

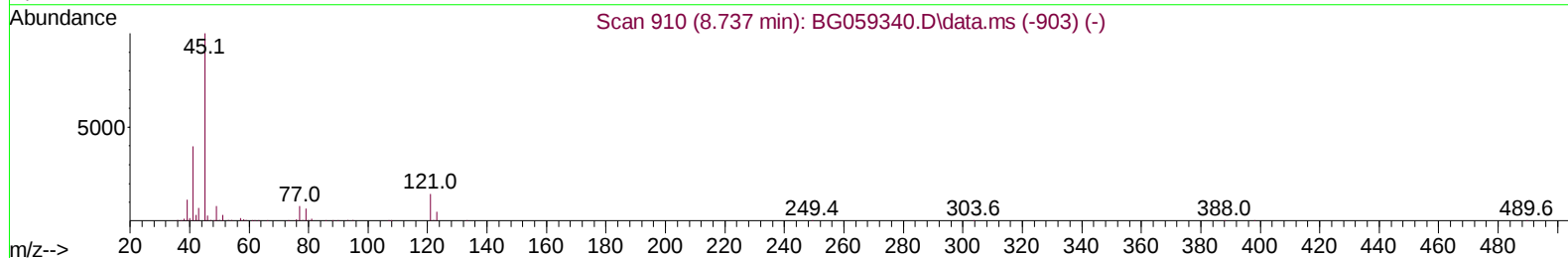
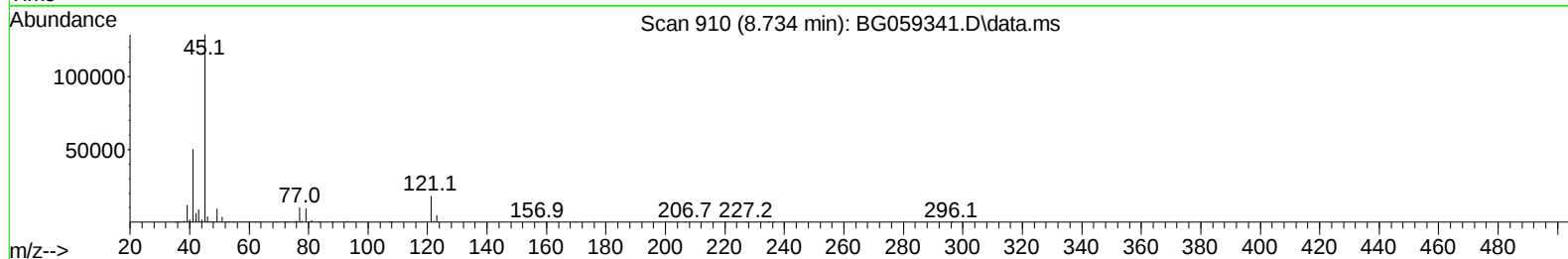
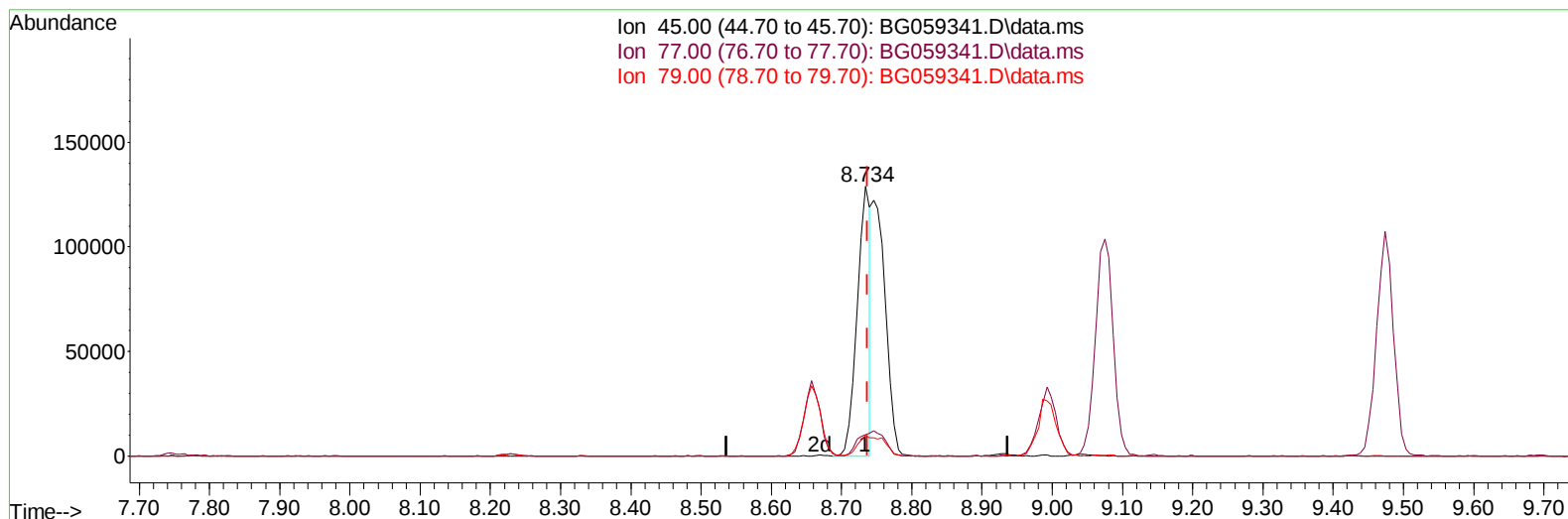
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100723\  
 Data File : BG059341.D  
 Acq On : 7 Oct 2023 13:51  
 Operator : MA/JU  
 Sample : SST04040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST040403

Manual IntegrationsAPPROVED

Quant Time: Oct 07 14:57:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 14:54:34 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/09/2023



TIC: BG059341.D\data.ms

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

8.734min (-0.003) 26.26 ng/u1

response 168383

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.30   | 7.98   |
| 79.00 | 7.30   | 7.66   |
| 0.00  | 0.00   | 0.00   |

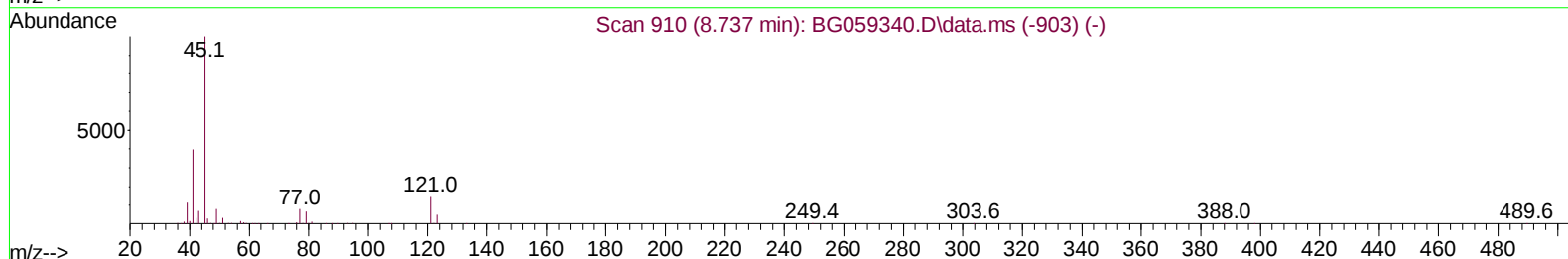
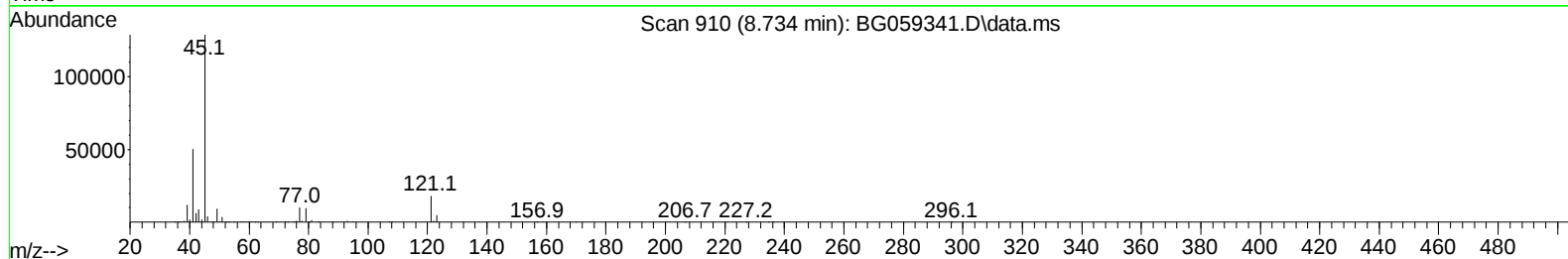
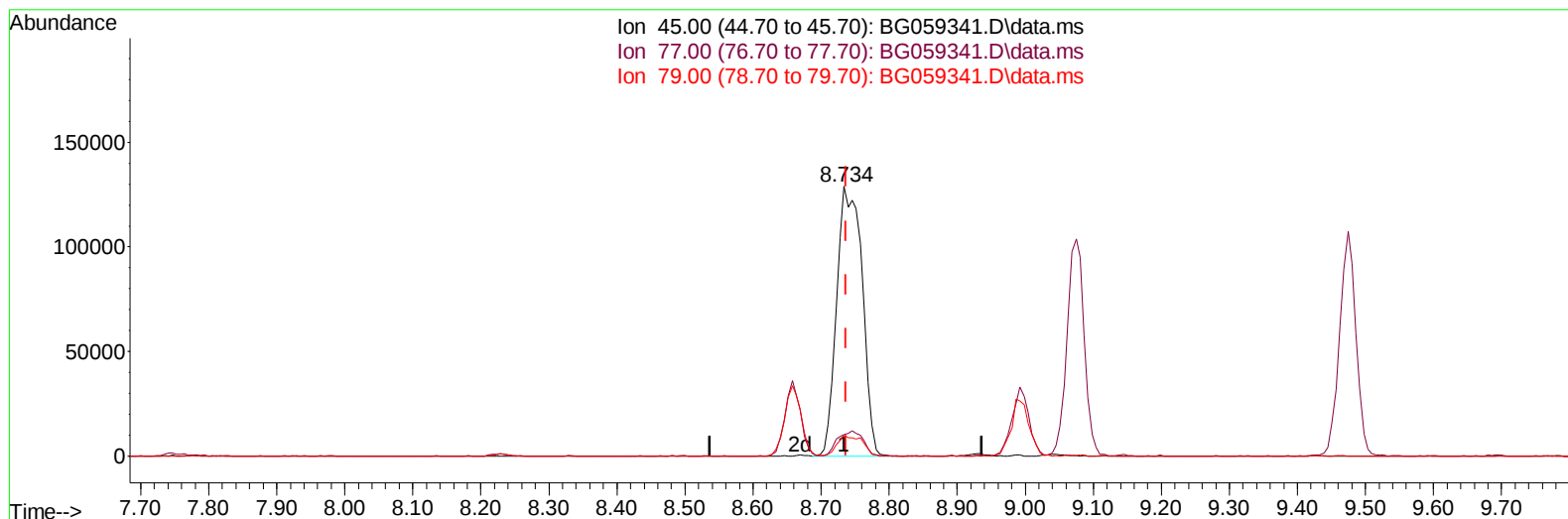
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(14) 2,2'-oxybis(1-Chloropropane)

8.734min (-0.003) 51.92 ng/ul m

response 332866

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.30   | 7.98   |
| 79.00 | 7.30   | 7.66   |
| 0.00  | 0.00   | 0.00   |



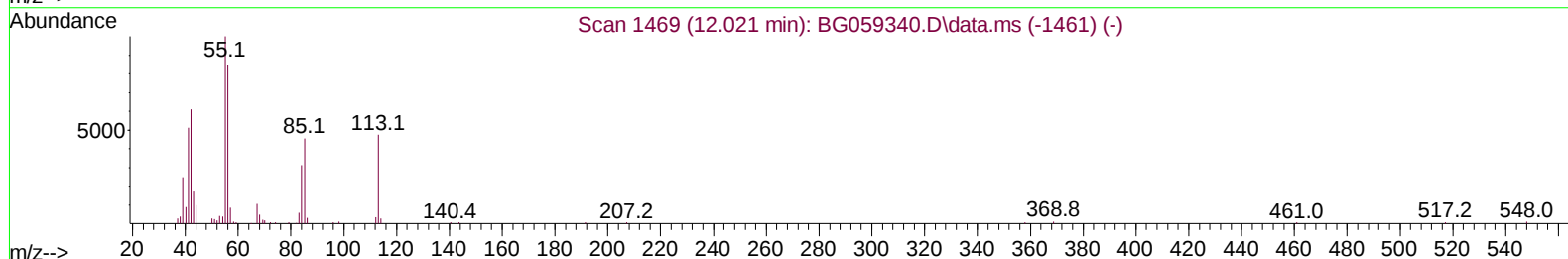
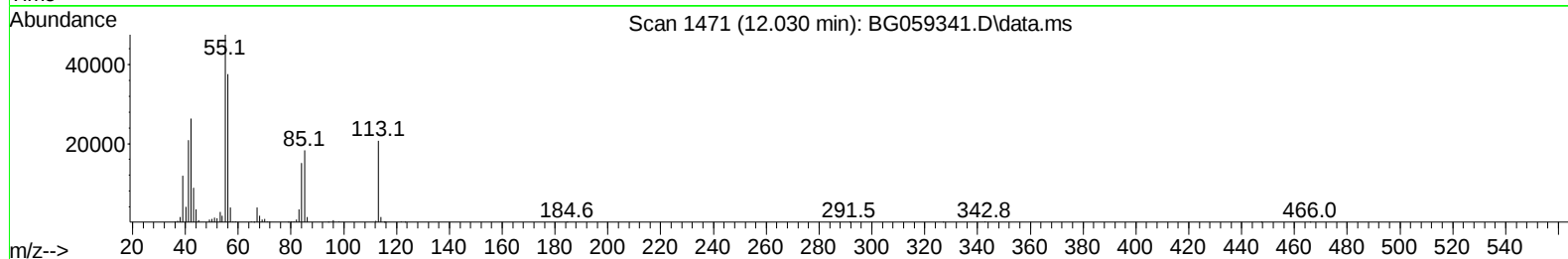
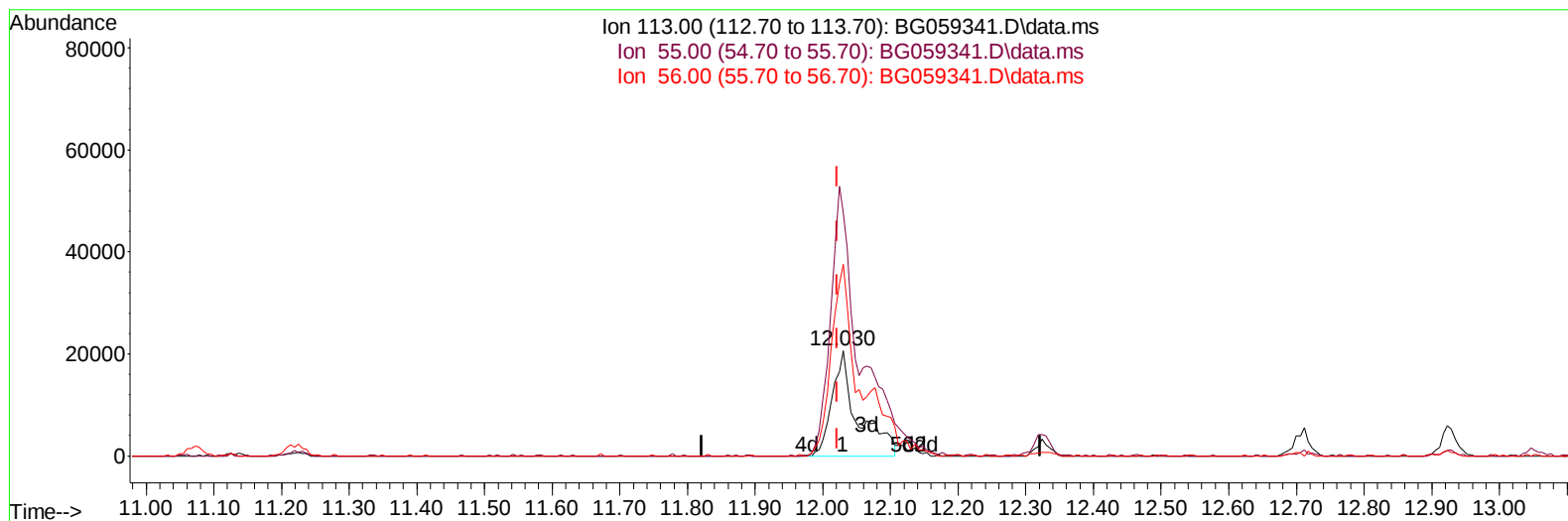
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TIC: BG059341.D\data.ms

**(34) Caprolactam**

12.030min (+ 0.009) 45.88 ng/ul m

response 54295

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 211.40 | 230.22 |
| 56.00  | 177.10 | 181.85 |
| 0.00   | 0.00   | 0.00   |

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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     | 8.229  | 152  | 40498    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.072 | 136  | 213382   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.868 | 164  | 146290   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.612 | 188  | 351780   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.918 | 240  | 311037   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.403 | 264  | 365302   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.528  | 96   | 18813    | 19.013 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.963  | 84   | 153806   | 52.234 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.359  | 99   | 208922   | 51.780 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.553  | 67   | 117368   | 51.227 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.747  | 132  | 152719   | 53.447 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.928  | 113  | 166315   | 53.783 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.427  | 128  | 82829    | 48.924 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.150 | 143  | 90684    | 48.310 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.679 | 165  | 165794   | 49.014 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.219 | 131  | 269424   | 52.213 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.263 | 166  | 551439   | 50.005 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.568 | 160  | 646121   | 48.214 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.062 | 143  | 105548   | 53.257 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.855 | 176  | 521496   | 49.981 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.972 | 200  | 106533   | 49.407 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.717 | 188  | 774843   | 47.791 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.991 | 212  | 856536   | 47.611 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.156 | 264  | 872104   | 48.769 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.569  | 88   | 19344    | 17.064 | ng/uL  | 91       |
| 5) Pyridine                   | 3.981  | 79   | 156566   | 53.832 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.377  | 77   | 89396    | 62.420 | ng/ul  | 93       |
| 8) Phenol                     | 7.388  | 94   | 204674   | 51.961 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.647  | 93   | 159674   | 51.945 | ng/ul  | 95       |
| 12) 2-Chlorophenol            | 7.782  | 128  | 157560   | 54.272 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.657  | 108  | 155427   | 52.921 | ng/ul  | 92       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.734  | 45   | 332866m  | 51.921 | ng/ul  |          |
| 16) Acetophenone              | 9.075  | 105  | 248180   | 52.303 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.039  | 70   | 123927   | 53.059 | ng/ul  | 87       |
| 18) 4-Methylphenol            | 8.992  | 108  | 170757   | 53.231 | ng/ul  | 89       |
| 19) Hexachloroethane          | 9.310  | 117  | 55895    | 47.557 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.474  | 77   | 180031   | 49.161 | ng/ul  | 90       |
| 23) Isophorone                | 9.979  | 82   | 389532   | 48.777 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.185 | 139  | 93047    | 48.137 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 10.209 | 107  | 179750   | 48.941 | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.461 | 93   | 237710   | 49.100 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.702 | 162  | 160660   | 48.988 | ng/ul  | 98       |
| 30) Naphthalene               | 11.125 | 128  | 551882   | 47.796 | ng/ul  | 95       |
| 32) 4-Chloroaniline           | 11.243 | 127  | 250325   | 50.611 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.348 | 225  | 99541    | 49.218 | ng/ul  | 98       |
| 34) Caprolactam               | 12.030 | 113  | 54295m   | 45.876 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.324 | 107  | 175354   | 49.119 | ng/ul  | 94       |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD040403

## Manual IntegrationsAPPROVED

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 14:54:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.712 | 142  | 373453   | 48.343 | ng/ul  | 91       |
| 37) 1-Methylnaphthalene       | 12.929 | 142  | 388150   | 48.694 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.052 | 216  | 197498   | 47.303 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 13.005 | 237  | 118761   | 46.849 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.299 | 196  | 134299   | 48.459 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.370 | 196  | 147854   | 48.403 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.704 | 154  | 547206   | 48.026 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.757 | 162  | 427466   | 49.335 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.975 | 65   | 142137   | 51.457 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.310 | 163  | 544011   | 48.747 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.457 | 165  | 112751   | 51.008 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.598 | 152  | 694405   | 48.589 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.797 | 138  | 96112    | 44.532 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.932 | 153  | 466613   | 47.792 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.991 | 184  | 65776    | 52.636 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 15.079 | 109  | 68794    | 50.546 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.262 | 168  | 641362   | 48.660 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.232 | 165  | 160902   | 49.285 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.473 | 232  | 146284   | 50.789 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.655 | 149  | 534826   | 48.872 | ng/ul  | 99       |
| 61) Fluorene                  | 15.908 | 166  | 546304   | 49.065 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.890 | 204  | 273247   | 48.313 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.955 | 138  | 76504    | 41.152 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.984 | 198  | 113721   | 49.458 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 16.113 | 169  | 461133   | 49.022 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.789 | 248  | 169020   | 47.065 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.883 | 284  | 193873   | 47.788 | ng/ul  | 96       |
| 70) Atrazine                  | 17.048 | 200  | 178627   | 48.263 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.242 | 266  | 119586   | 52.394 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.659 | 178  | 938698   | 48.521 | ng/ul  | 99       |
| 74) Anthracene                | 17.753 | 178  | 966059   | 48.467 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.663 | 216  | 213369   | 47.873 | ng/uL  | 92       |
| 76) Pentachlorobenzene        | 15.156 | 250  | 214651   | 46.394 | ng/uL  | 93       |
| 77) Carbazole                 | 18.029 | 167  | 813373   | 50.447 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.528 | 149  | 957815   | 49.227 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.650 | 202  | 1086163  | 48.833 | ng/ul  | 99       |
| 82) Pyrene                    | 20.021 | 202  | 1099875  | 47.530 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.867 | 149  | 415661   | 48.567 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.813 | 252  | 334009   | 45.904 | ng/ul  | 92       |
| 85) Benzo(a)anthracene        | 21.895 | 228  | 1074193  | 47.999 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.725 | 149  | 616685   | 47.625 | ng/ul  | 98       |
| 87) Chrysene                  | 21.971 | 228  | 998327   | 47.638 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.017 | 149  | 1054232  | 48.405 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.280 | 252  | 1092274  | 48.728 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.351 | 252  | 1111344  | 48.501 | ng/ul  | 95       |
| 93) Benzo(a)pyrene            | 25.238 | 252  | 1045377  | 48.858 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.433 | 276  | 1190653  | 48.374 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 29.509 | 278  | 1000457  | 49.389 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.714 | 276  | 961330   | 48.704 | ng/ul  | 97       |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

SSTD040403

**Manual IntegrationsAPPROVED**

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