

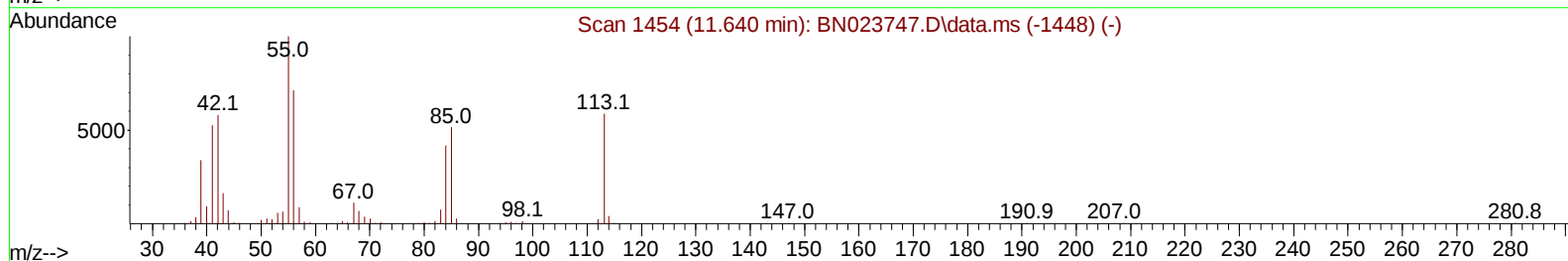
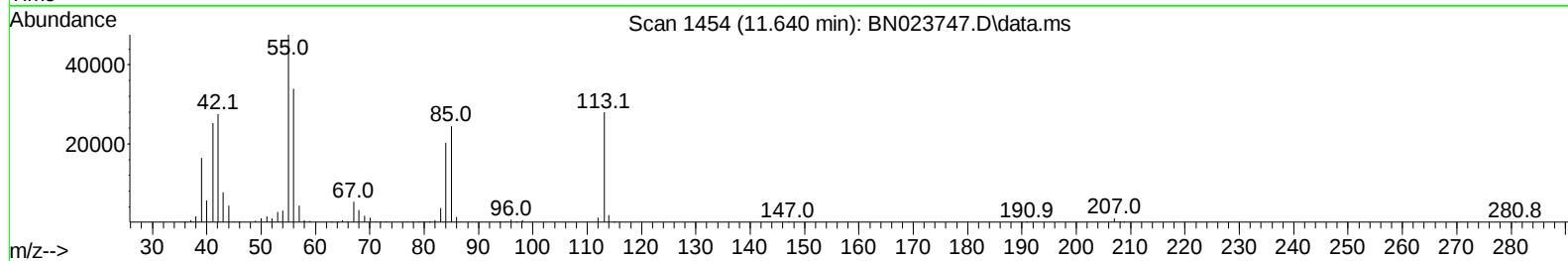
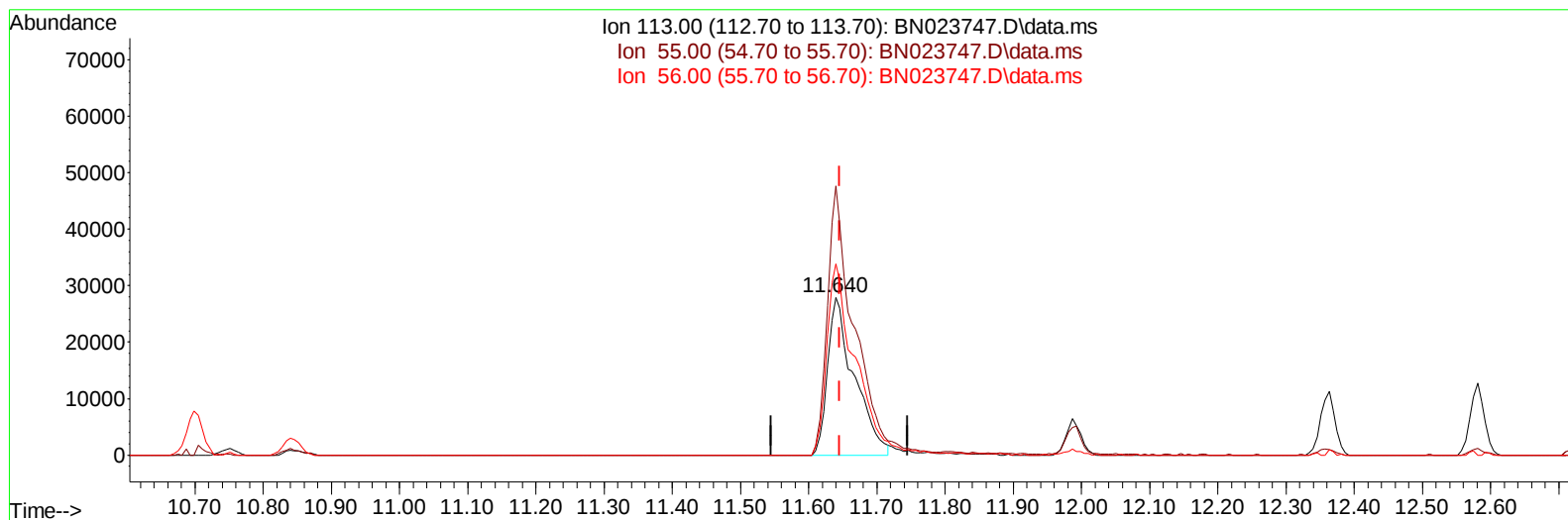
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012323\  
 Data File : BN023747.D  
 Acq On : 23 Jan 2023 11:34  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jan 23 23:59:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 20 23:02:18 2023  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/24/2023  
 Supervised By :mohammad ahmed 01/24/2023



TIC: BN023747.D\data.ms

**(34) Caprolactam**

**11.640min (-0.006) 13.90 ng/ul**

**response 75701**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 161.40 | 170.33 |
| 56.00  | 117.80 | 121.26 |
| 0.00   | 0.00   | 0.00   |

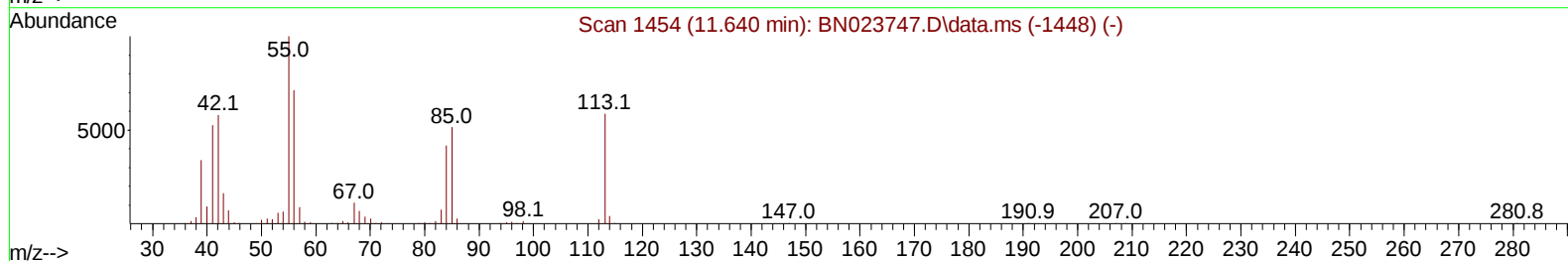
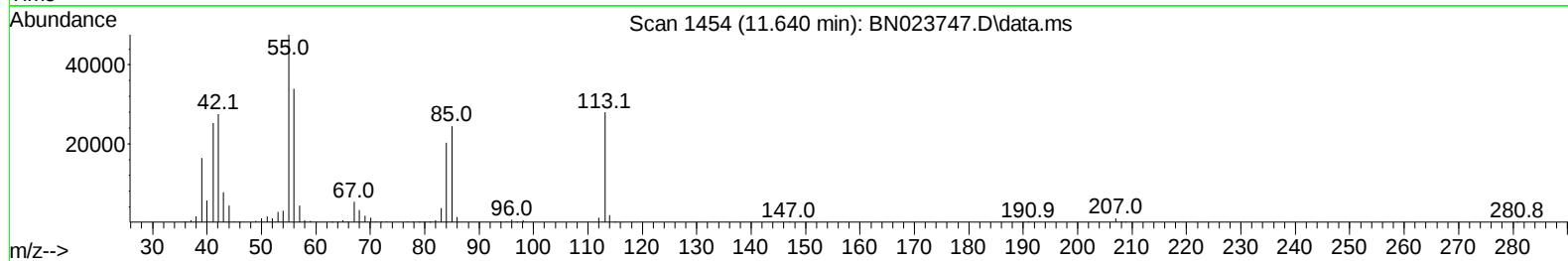
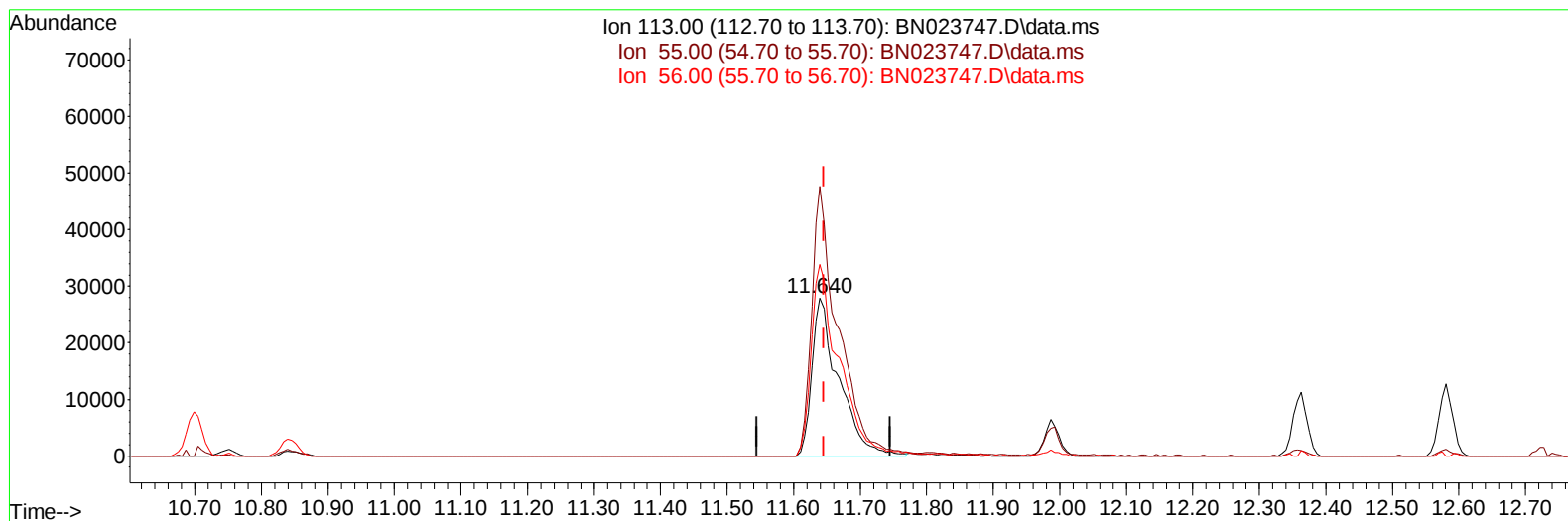
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 Supervised By :mohammad ahmed 01/24/2023



TIC: BN023747.D\data.ms

**(34) Caprolactam**

**11.640min (-0.006) 14.34 ng/ul m**

**response 78097**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 161.40 | 170.33 |
| 56.00  | 117.80 | 121.26 |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
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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     | 7.887  | 152  | 249017   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.698 | 136  | 1064022  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.539 | 164  | 605275   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 1144665  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 933385   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.904 | 264  | 935260   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 49926    | 8.628  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 341303   | 19.658 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 406094   | 18.400 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 262963   | 19.422 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.416  | 132  | 325238   | 19.242 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.604  | 113  | 309634   | 17.578 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 150711   | 18.784 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.781  | 143  | 158210   | 18.627 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 293892   | 18.141 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 429186   | 16.842 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.951 | 166  | 786732   | 17.473 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.234 | 160  | 947622   | 18.995 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 138649   | 15.126 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.528 | 176  | 635846   | 16.527 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200  | 99531    | 14.414 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.386 | 188  | 1003394  | 19.589 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 1048132  | 19.635 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.751 | 264  | 852248   | 18.427 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 52954    | 8.669  | ng/uL  | 98       |
| 5) Pyridine                   | 3.722  | 79   | 350565   | 19.724 | ng/ul  | 94       |
| 6) Benzaldehyde               | 7.028  | 77   | 184866   | 21.629 | ng/ul  | 99       |
| 8) Phenol                     | 7.081  | 94   | 417830   | 18.599 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 340024   | 19.155 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.452  | 128  | 333004   | 19.065 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.340  | 108  | 302824   | 17.912 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 462671   | 19.489 | ng/ul  | 99       |
| 16) Acetophenone              | 8.722  | 105  | 495262   | 18.191 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.704  | 70   | 255779   | 18.658 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.669  | 108  | 330301   | 17.741 | ng/ul  | 97       |
| 19) Hexachloroethane          | 8.969  | 117  | 137101   | 19.625 | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.099  | 77   | 387183   | 19.281 | ng/ul  | 98       |
| 23) Isophorone                | 9.628  | 82   | 675845   | 18.609 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.816  | 139  | 174593   | 18.493 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.875  | 107  | 351678   | 18.355 | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93   | 441379   | 18.737 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.346 | 162  | 288323   | 17.786 | ng/ul  | 98       |
| 30) Naphthalene               | 10.751 | 128  | 1058355  | 18.503 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 427638   | 16.756 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.034 | 225  | 183040   | 18.256 | ng/ul  | 99       |
| 34) Caprolactam               | 11.640 | 113  | 78097m   | 14.344 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 307876   | 17.418 | ng/ul  | 98       |

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Manual IntegrationsAPPROVED

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 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/24/2023  
 Supervised By :mohammad ahmed 01/24/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.363 | 142  | 679348   | 17.817 | ng/ul | 98       |
| 37) 1-Methylnaphthalene       | 12.581 | 142  | 690667   | 17.730 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 337681   | 18.864 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.710 | 237  | 215256   | 19.079 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.969 | 196  | 212547   | 18.012 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.040 | 196  | 237971   | 18.441 | ng/ul | 87       |
| 43) 1,1'-Biphenyl             | 13.375 | 154  | 877801   | 18.798 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.416 | 162  | 679920   | 18.767 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.622 | 65   | 185511   | 18.568 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.998 | 163  | 810641   | 17.917 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.122 | 165  | 151811   | 17.749 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.257 | 152  | 1058917  | 19.090 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.445 | 138  | 144738   | 16.886 | ng/ul | 99       |
| 52) Acenaphthene              | 14.604 | 153  | 706991   | 18.078 | ng/ul | 97       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 55667    | 9.958  | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.751 | 109  | 113250   | 15.299 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.934 | 168  | 970526   | 17.829 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 214406   | 17.171 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 187900   | 16.993 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.357 | 149  | 744453   | 16.426 | ng/ul | 98       |
| 61) Fluorene                  | 15.586 | 166  | 684249   | 15.522 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 337571   | 15.730 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 110635   | 14.019 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 98858    | 14.507 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.798 | 169  | 571520   | 17.791 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.475 | 248  | 205902   | 17.946 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.586 | 284  | 238911   | 17.769 | ng/ul | 97       |
| 70) Atrazine                  | 16.751 | 200  | 196579   | 16.351 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.933 | 266  | 135529   | 15.794 | ng/ul | 99       |
| 72) Phenanthrene              | 17.328 | 178  | 1167681  | 19.038 | ng/ul | 100      |
| 74) Anthracene                | 17.416 | 178  | 1166544  | 19.111 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.339 | 216  | 336438   | 21.831 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 314970   | 20.404 | ng/uL | 98       |
| 77) Carbazole                 | 17.692 | 167  | 1032062  | 18.621 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 1192682  | 18.125 | ng/ul | 99       |
| 80) Fluoranthene              | 19.345 | 202  | 1254873  | 20.098 | ng/ul | 100      |
| 82) Pyrene                    | 19.710 | 202  | 1294026  | 19.622 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.610 | 149  | 464820   | 17.803 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 361131   | 17.712 | ng/ul | 93       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 1159278  | 18.336 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 676534   | 17.847 | ng/ul | 97       |
| 87) Chrysene                  | 21.521 | 228  | 1096030  | 18.489 | ng/ul | 97       |
| 89) Di-n-octyl phthalate      | 22.327 | 149  | 1062101  | 16.454 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.163 | 252  | 1104671  | 18.542 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.210 | 252  | 1074216  | 18.230 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.798 | 252  | 951834   | 18.422 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.421 | 276  | 1244325  | 19.487 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.445 | 278  | 1020041  | 19.320 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.203 | 276  | 985444   | 19.379 | ng/ul | 97       |

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

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