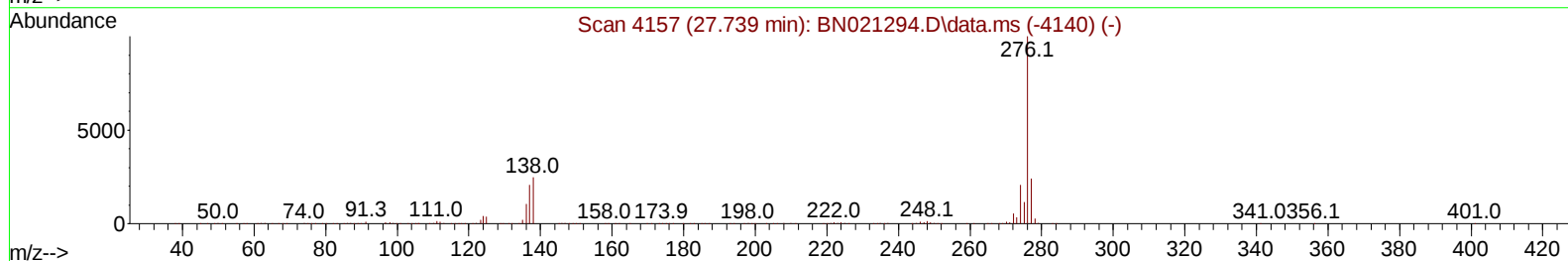
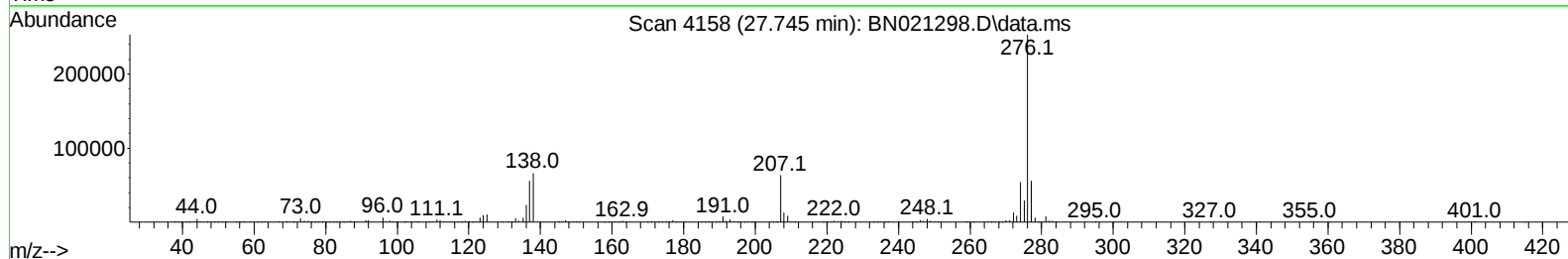
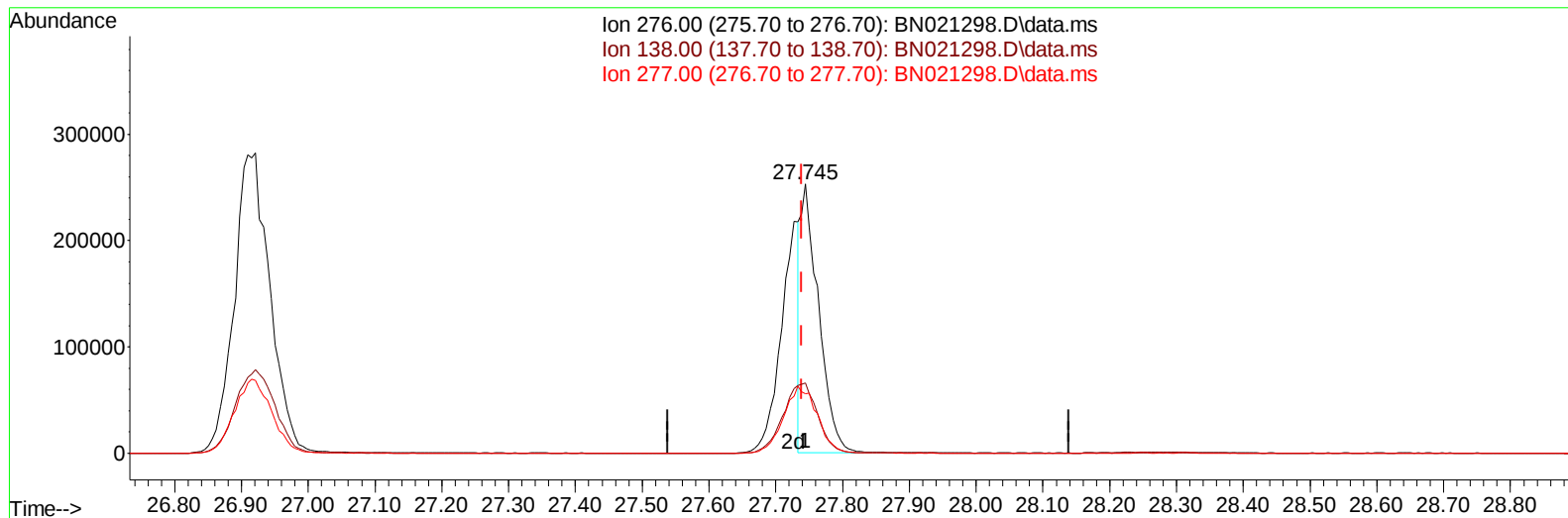


Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081922\  
Data File : BN021298.D  
Acq On : 19 Aug 2022 16:23  
Operator : CG/JU  
Sample : SSTDICV020  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 03:56:30 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081922.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 19 16:13:51 2022  
Response via : Initial Calibration



TIC: BN021298.D\data.ms

**(96) Benzo(g,h,i)perylene**

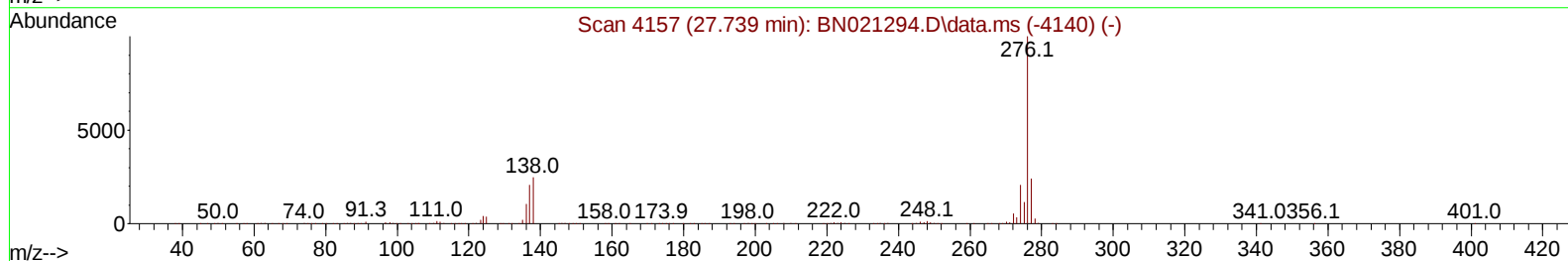
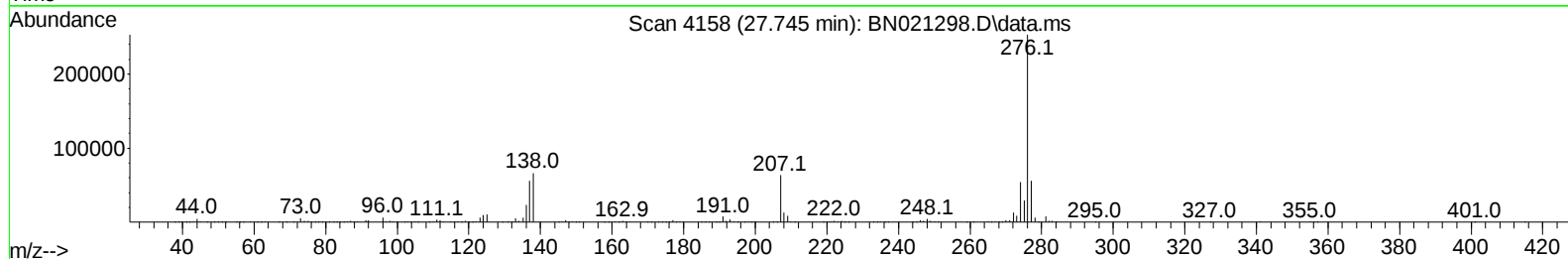
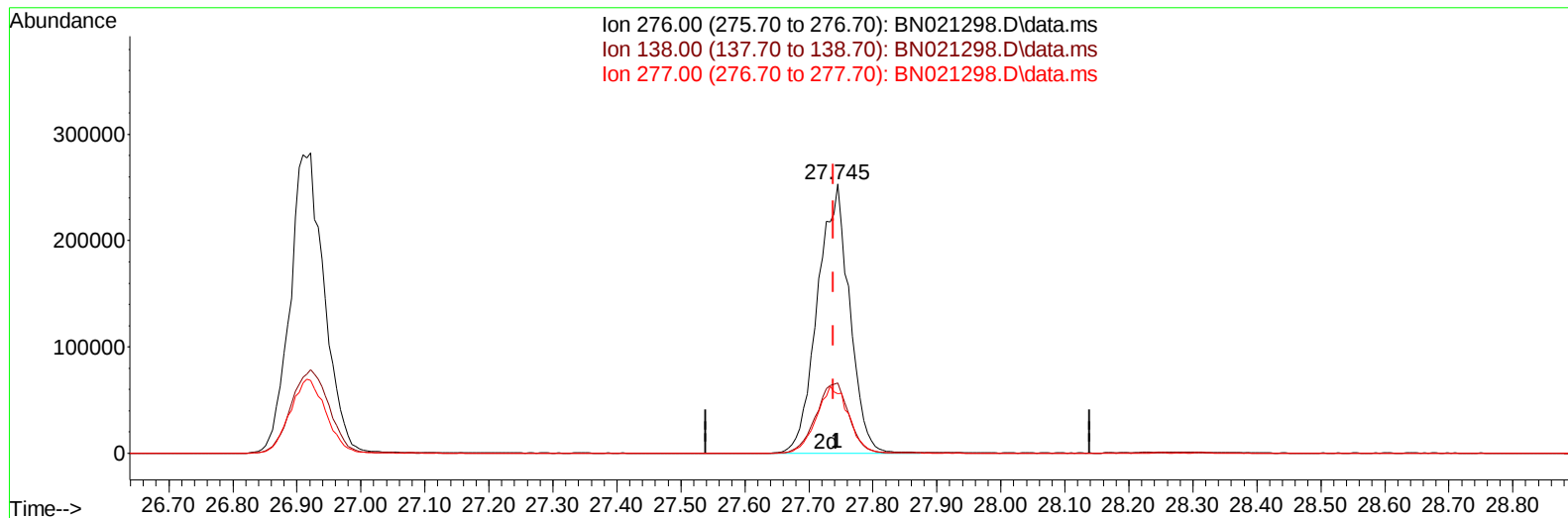
**27.745min (+ 0.006) 10.10 ng/u1**

**response 471363**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30  | 26.18# |
| 277.00 | 22.20  | 22.14  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081922\  
Data File : BN021298.D  
Acq On : 19 Aug 2022 16:23  
Operator : CG/JU  
Sample : SSTDICV020  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 03:56:30 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081922.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 19 16:13:51 2022  
Response via : Initial Calibration



TIC: BN021298.D\data.ms

**(96) Benzo(g,h,i)perylene**

27.745min (+ 0.006) 18.84 ng/ul m

response 879494

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30  | 26.18# |
| 277.00 | 22.20  | 22.14  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081922\  
 Data File : BN021298.D  
 Acq On : 19 Aug 2022 16:23  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 03:56:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 16:13:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.093  | 152  | 93998    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.928 | 136  | 440941   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.751 | 164  | 300858   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.504 | 188  | 632756   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.698 | 240  | 679964   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 748543   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 18752    | 7.490  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.816  | 84   | 125891   | 18.450 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 157519   | 18.477 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.416  | 67   | 97277    | 18.850 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.616  | 132  | 120340   | 19.402 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.804  | 113  | 128342   | 19.186 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.275  | 128  | 62040    | 20.651 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.998  | 143  | 56989    | 21.238 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 122210   | 20.565 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.063 | 131  | 201958   | 20.011 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.157 | 166  | 403053   | 19.600 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.445 | 160  | 471261   | 19.658 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.939 | 143  | 79196    | 19.354 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.745 | 176  | 339921   | 18.997 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200  | 45736    | 18.071 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.604 | 188  | 551044   | 19.762 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.892 | 212  | 615155   | 19.023 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.068 | 264  | 719892   | 20.290 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.416  | 88   | 18770    | 7.280  | ng/uL  | 91       |
| 5) Pyridine                   | 3.834  | 79   | 128808   | 18.761 | ng/ul  | 89       |
| 6) Benzaldehyde               | 7.222  | 77   | 77007    | 20.789 | ng/ul  | 91       |
| 8) Phenol                     | 7.269  | 94   | 163398   | 18.547 | ng/ul  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.510  | 93   | 134183   | 19.102 | ng/ul  | 95       |
| 12) 2-Chlorophenol            | 7.652  | 128  | 127621   | 19.179 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.540  | 108  | 126639   | 18.919 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.628  | 45   | 168860   | 19.058 | ng/ul  | 97       |
| 16) Acetophenone              | 8.928  | 105  | 212467   | 20.082 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.910  | 70   | 106584   | 20.232 | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.869  | 108  | 142245   | 19.345 | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.193  | 117  | 52069    | 19.632 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.316  | 77   | 148170   | 20.014 | ng/ul  | 98       |
| 23) Isophorone                | 9.846  | 82   | 309037   | 20.272 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.034 | 139  | 69331    | 22.057 | ng/ul  | 92       |
| 26) 2,4-Dimethylphenol        | 10.093 | 107  | 155303   | 19.953 | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.334 | 93   | 190562   | 19.961 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.569 | 162  | 123046   | 19.762 | ng/ul  | 98       |
| 30) Naphthalene               | 10.981 | 128  | 446989   | 19.469 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.093 | 127  | 208864   | 19.970 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.269 | 225  | 71601    | 19.961 | ng/ul  | 98       |
| 34) Caprolactam               | 11.845 | 113  | 47430    | 19.915 | ng/ul  | 80       |
| 35) 4-Chloro-3-methylphenol   | 12.204 | 107  | 143469   | 20.445 | ng/ul  | 95       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 16:13:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.587 | 142  | 304405   | 19.599 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.804 | 142  | 313337   | 20.074 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.945 | 216  | 145843   | 18.905 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.928 | 237  | 84326    | 18.359 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.187 | 196  | 95451    | 19.940 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.257 | 196  | 107793   | 20.524 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.592 | 154  | 427345   | 19.437 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.634 | 162  | 323628   | 19.227 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.834 | 65   | 88200    | 20.892 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 14.204 | 163  | 411305   | 19.554 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.328 | 165  | 76249    | 21.130 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.475 | 152  | 538794   | 19.469 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.651 | 138  | 78629    | 19.559 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.816 | 153  | 347995   | 19.460 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.851 | 184  | 28204    | 15.965 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.951 | 109  | 62706    | 19.117 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.151 | 168  | 491019   | 19.111 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.104 | 165  | 113117   | 21.584 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.369 | 232  | 85229    | 21.142 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.569 | 149  | 422122   | 19.900 | ng/ul  | 100      |
| 61) Fluorene                  | 15.798 | 166  | 398378   | 19.660 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.792 | 204  | 182966   | 19.588 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.816 | 138  | 80995    | 20.076 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.869 | 198  | 51164    | 19.082 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.004 | 169  | 350314   | 19.753 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.686 | 248  | 112192   | 19.936 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.798 | 284  | 124967   | 18.655 | ng/ul# | 89       |
| 70) Atrazine                  | 16.957 | 200  | 121759   | 19.402 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.145 | 266  | 68382    | 18.335 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.545 | 178  | 640820   | 19.173 | ng/ul  | 98       |
| 74) Anthracene                | 17.633 | 178  | 666325   | 20.022 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.551 | 216  | 156298   | 19.407 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.063 | 250  | 147071   | 19.170 | ng/uL  | 95       |
| 77) Carbazole                 | 17.904 | 167  | 636745   | 20.246 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.474 | 149  | 707214   | 19.945 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.557 | 202  | 789565   | 20.243 | ng/ul  | 97       |
| 82) Pyrene                    | 19.921 | 202  | 791306   | 19.465 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.821 | 149  | 315164   | 20.483 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.610 | 252  | 266020   | 20.519 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.680 | 228  | 777844   | 18.999 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.604 | 149  | 483793   | 20.536 | ng/ul# | 96       |
| 87) Chrysene                  | 21.733 | 228  | 769466   | 19.412 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.580 | 149  | 846247   | 19.300 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.451 | 252  | 888315   | 19.506 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.504 | 252  | 807924   | 19.832 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.121 | 252  | 858615   | 19.706 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.921 | 276  | 1048524  | 19.601 | ng/ul  | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.945 | 278  | 887761   | 19.666 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 27.745 | 276  | 879494m  | 18.841 | ng/ul  |          |

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



[illegible]