

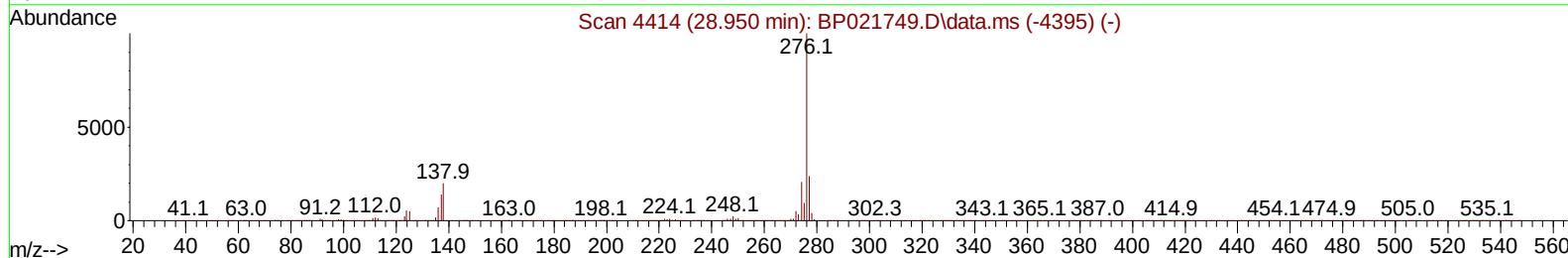
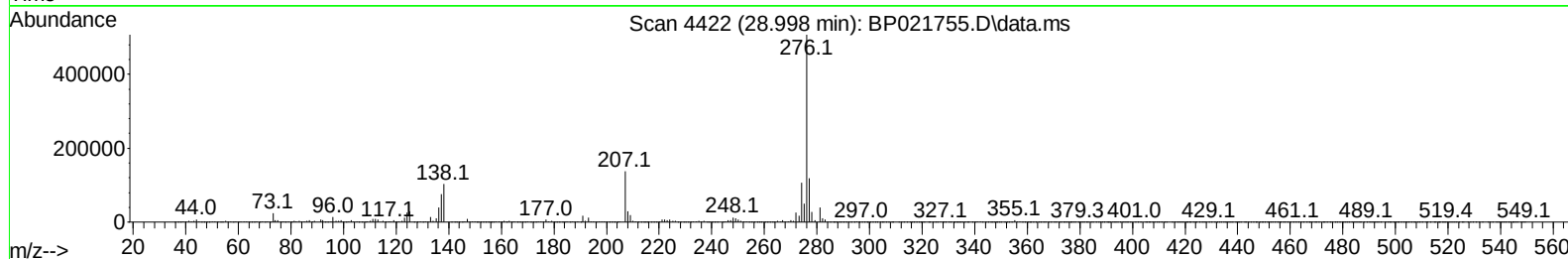
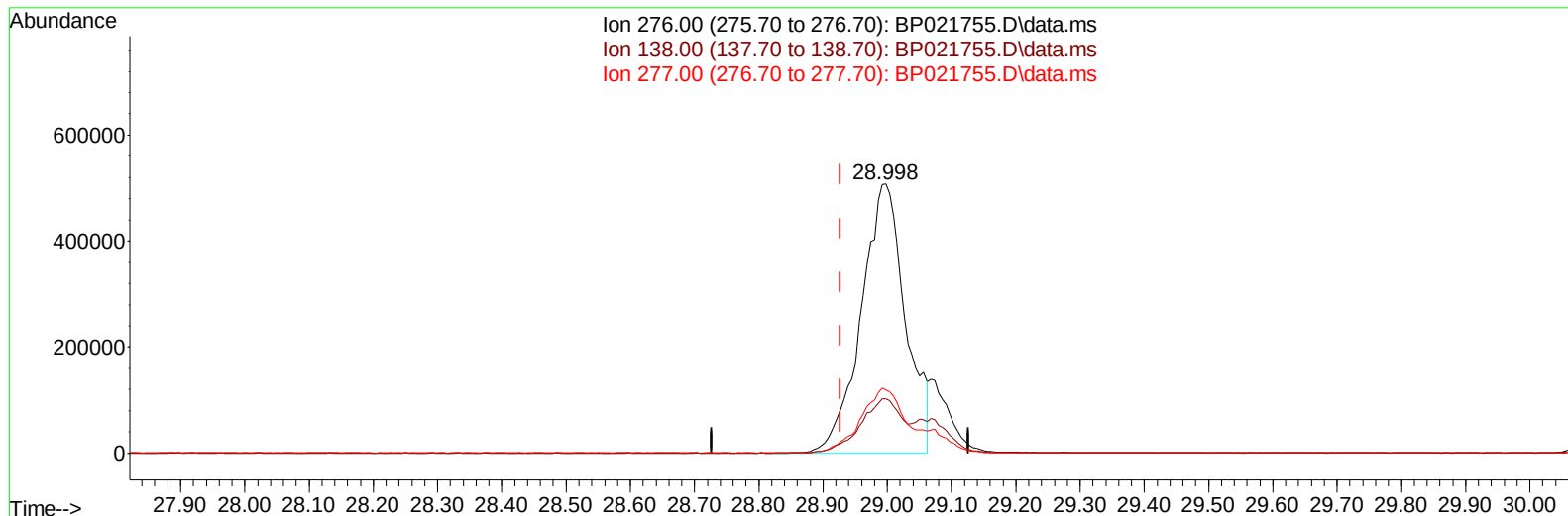
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP083024\  
Data File : BP021755.D  
Acq On : 30 Aug 2024 16:17  
Operator : RC/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Aug 30 17:42:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082324.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 29 23:56:59 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/02/2024  
Supervised By :mohammad ahmed 09/03/2024



TIC: BP021755.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.998min (+ 0.070) 17.71 ng/ul**

**response 2432688**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 18.60  | 20.26  |
| 277.00 | 23.80  | 23.40  |
| 0.00   | 0.00   | 0.00   |

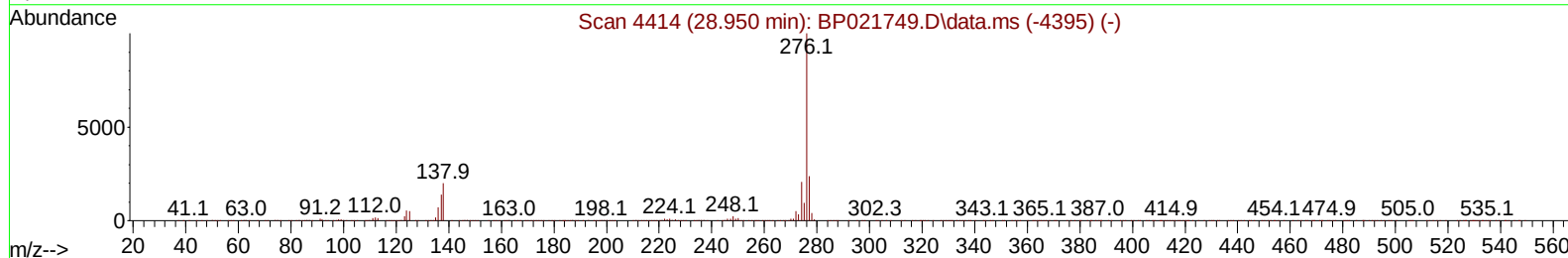
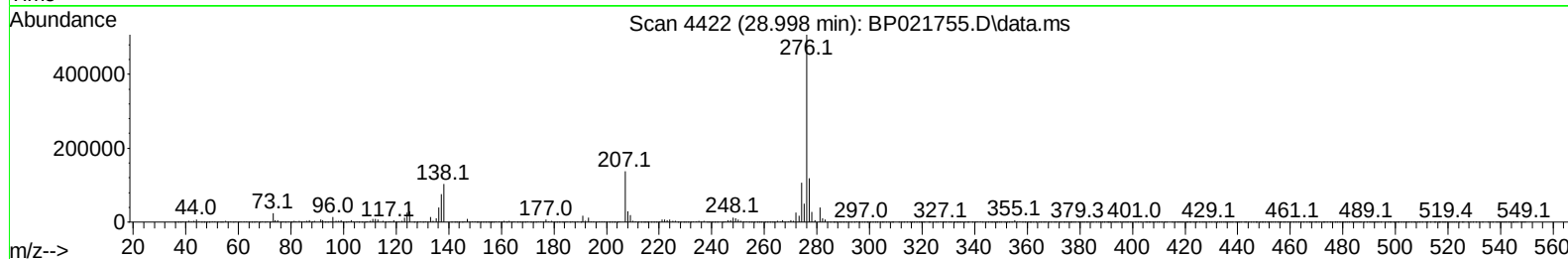
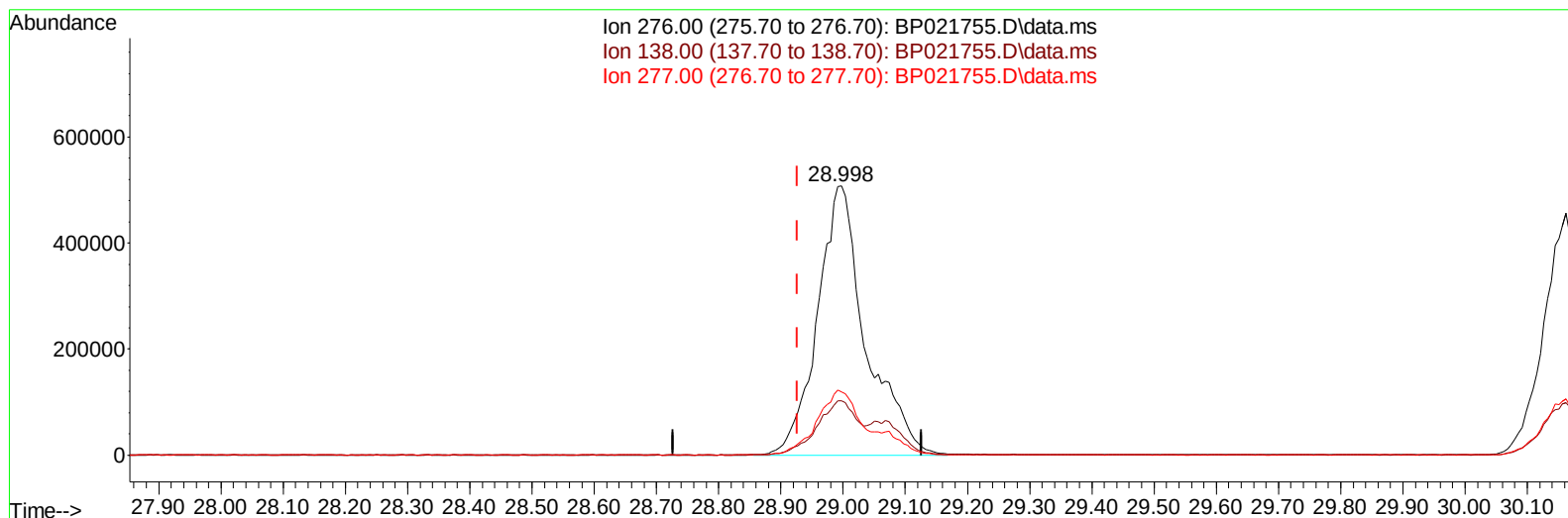
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TIC: BP021755.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.998min (+ 0.070) 19.92 ng/ul m**

**response 2735103**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 18.60  | 20.26  |
| 277.00 | 23.80  | 23.40  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP083024\  
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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Aug 30 17:44:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 29 23:56:59 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/02/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 291942   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 10.569 | 136  | 1167507  | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10          | 14.422 | 164  | 741479   | 20.000 | ng/ul | -0.01    |
| 64) Phenanthrene-d10          | 17.239 | 188  | 1577094  | 20.000 | ng/ul | 0.01     |
| 79) Chrysene-d12              | 21.698 | 240  | 1565183  | 20.000 | ng/ul | 0.03     |
| 88) Perylene-d12              | 25.115 | 264  | 1847615  | 20.000 | ng/ul | 0.05     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 72881    | 8.288  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 523510   | 20.582 | ng/ul | 0.00     |
| 7) Phenol-d5                  | 6.957  | 99   | 611538   | 19.628 | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 329174   | 19.414 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 412206   | 20.493 | ng/ul | 0.00     |
| 15) 4-Methylphenol-d8         | 8.487  | 113  | 461471   | 19.168 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 8.934  | 128  | 196102   | 20.877 | ng/ul | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.651  | 143  | 206998   | 21.710 | ng/ul | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.193 | 165  | 385073   | 20.495 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.698 | 131  | 542272   | 19.838 | ng/ul | 0.00     |
| 46) Dimethylphthalate-d6      | 13.828 | 166  | 1114412  | 19.642 | ng/ul | -0.01    |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 1293599  | 20.308 | ng/ul | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.628 | 143  | 216695   | 20.075 | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.434 | 176  | 940596   | 19.719 | ng/ul | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 158776   | 18.305 | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.339 | 188  | 1481174  | 19.789 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.710 | 212  | 1801556  | 20.135 | ng/ul | 0.02     |
| 92) Benzo(a)pyrene-d12        | 24.880 | 264  | 1975553  | 20.052 | ng/ul | 0.04     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.311  | 88   | 76938    | 8.232  | ng/uL | 98       |
| 5) Pyridine                   | 3.705  | 79   | 517049   | 20.343 | ng/ul | 98       |
| 6) Benzaldehyde               | 6.928  | 77   | 388390   | 24.372 | ng/ul | 99       |
| 8) Phenol                     | 6.987  | 94   | 643497   | 19.808 | ng/ul | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.210  | 93   | 493445   | 19.541 | ng/ul | 97       |
| 12) 2-Chlorophenol            | 7.357  | 128  | 433221   | 20.520 | ng/ul | 99       |
| 13) 2-Methylphenol            | 8.228  | 108  | 449865   | 19.195 | ng/ul | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.299  | 45   | 478883   | 19.648 | ng/ul | 98       |
| 16) Acetophenone              | 8.599  | 105  | 750729   | 19.450 | ng/ul | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.587  | 70   | 339301   | 18.628 | ng/ul | 98       |
| 18) 4-Methylphenol            | 8.552  | 108  | 494512   | 19.273 | ng/ul | 97       |
| 19) Hexachloroethane          | 8.863  | 117  | 195625   | 20.723 | ng/ul | 93       |
| 22) Nitrobenzene              | 8.975  | 77   | 542283   | 20.704 | ng/ul | 97       |
| 23) Isophorone                | 9.504  | 82   | 996188   | 18.954 | ng/ul | 100      |
| 25) 2-Nitrophenol             | 9.681  | 139  | 227832   | 21.567 | ng/ul | 98       |
| 26) 2,4-Dimethylphenol        | 9.751  | 107  | 522373   | 20.147 | ng/ul | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.981  | 93   | 651217   | 19.757 | ng/ul | 99       |
| 29) 2,4-Dichlorophenol        | 10.222 | 162  | 387215   | 20.509 | ng/ul | 98       |
| 30) Naphthalene               | 10.622 | 128  | 1351322  | 20.537 | ng/ul | 100      |
| 32) 4-Chloroaniline           | 10.728 | 127  | 550635   | 19.953 | ng/ul | 98       |
| 33) Hexachlorobutadiene       | 10.916 | 225  | 256571   | 20.253 | ng/ul | 99       |
| 34) Caprolactam               | 11.504 | 113  | 147907   | 18.526 | ng/ul | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.863 | 107  | 505402   | 20.225 | ng/ul | 99       |

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/02/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.234 | 142  | 881005   | 19.795 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.451 | 142  | 882683   | 19.718 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 477515   | 20.433 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.587 | 237  | 225760   | 16.836 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.845 | 196  | 308064   | 20.474 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.922 | 196  | 334011   | 20.558 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.251 | 154  | 1140925  | 20.338 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.292 | 162  | 898312   | 20.423 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.492 | 65   | 293628   | 21.309 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.875 | 163  | 1126079  | 19.822 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.992 | 165  | 217758   | 20.784 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.145 | 152  | 1400650  | 20.445 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.322 | 138  | 244598   | 21.364 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.487 | 153  | 976970   | 20.279 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.534 | 184  | 105830   | 16.872 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.645 | 109  | 201594   | 20.397 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.834 | 168  | 1344298  | 20.169 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.787 | 165  | 331182   | 21.035 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 283366   | 20.243 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.263 | 149  | 1104067  | 19.353 | ng/ul  | 99       |
| 61) Fluorene                  | 15.492 | 166  | 1084404  | 20.115 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 534710   | 19.739 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.504 | 138  | 256260   | 23.159 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.569 | 198  | 179928   | 18.544 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 936213   | 20.180 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 338159   | 19.423 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.528 | 284  | 401342   | 19.418 | ng/ul  | 99       |
| 70) Atrazine                  | 16.686 | 200  | 342490   | 19.461 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.881 | 266  | 253254   | 19.145 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.280 | 178  | 1745883  | 20.164 | ng/ul  | 99       |
| 74) Anthracene                | 17.375 | 178  | 1759415  | 20.058 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216  | 481957   | 20.555 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.751 | 250  | 481892   | 19.829 | ng/uL  | 98       |
| 77) Carbazole                 | 17.651 | 167  | 1644990  | 20.851 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 1935816  | 20.158 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.363 | 202  | 2091238  | 20.029 | ng/ul  | 99       |
| 82) Pyrene                    | 19.739 | 202  | 2239358  | 20.251 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.686 | 149  | 921579   | 20.355 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.592 | 252  | 770241   | 19.527 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.680 | 228  | 2246257  | 20.175 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.621 | 149  | 1323104  | 19.800 | ng/ul  | 99       |
| 87) Chrysene                  | 21.745 | 228  | 2115630  | 20.191 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.927 | 149  | 2278578  | 19.483 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.027 | 252  | 2341592  | 20.255 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.104 | 252  | 2276000  | 20.110 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.951 | 252  | 2128095  | 19.981 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.998 | 276  | 2735103m | 19.916 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.074 | 278  | 2210154  | 20.028 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.162 | 276  | 2143868  | 20.205 | ng/ul  | 99       |

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

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SSTDCCC020

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