

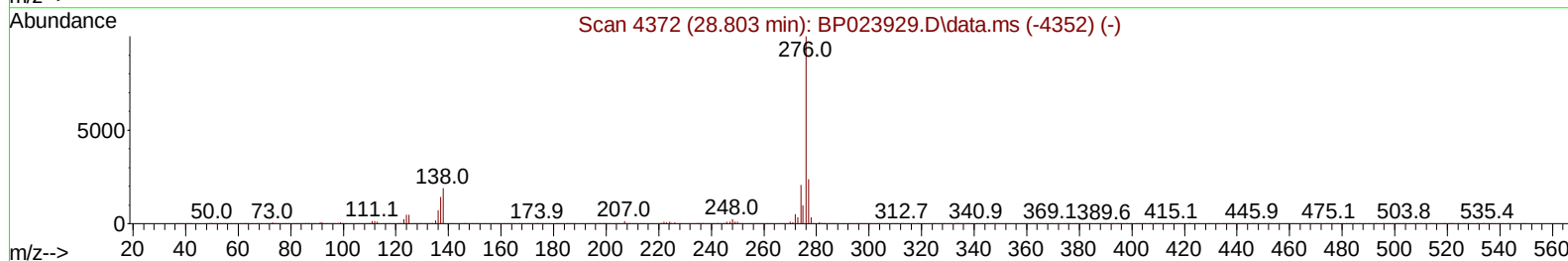
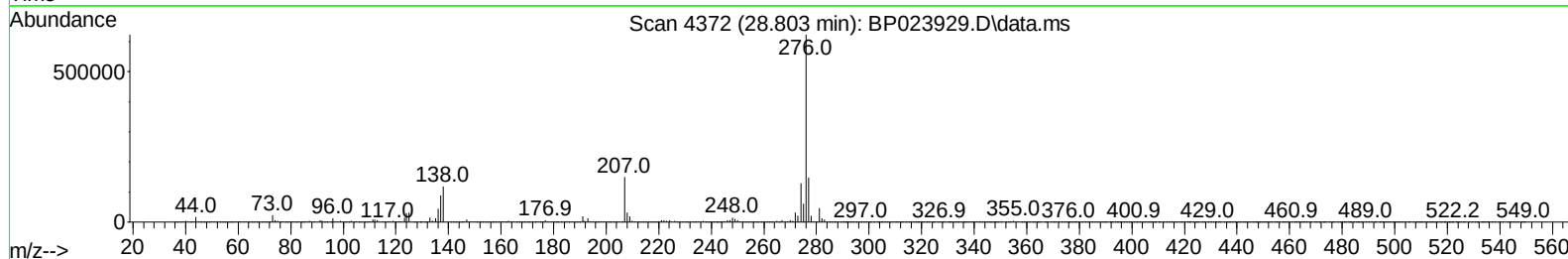
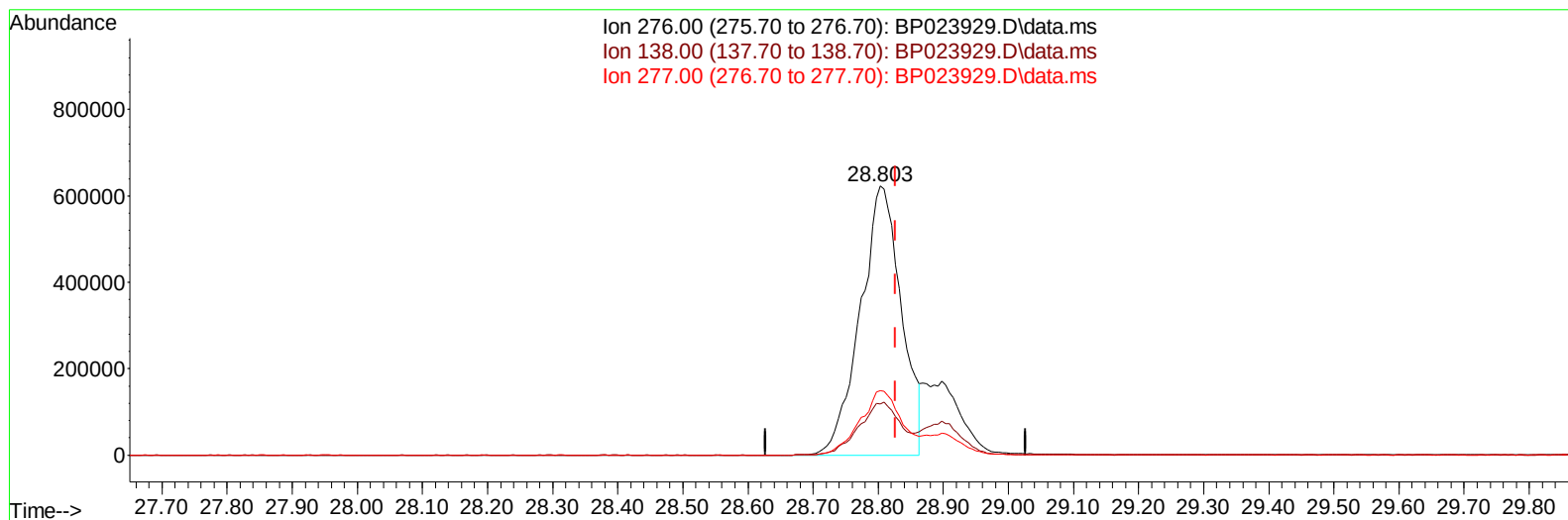
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020525\  
Data File : BP023929.D  
Acq On : 05 Feb 2025 09:30  
Operator : RC/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Feb 05 11:09:15 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 11:19:36 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/07/2025



TIC: BP023929.D\data.ms

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

**28.803min (-0.024) 17.00 ng/u1**

**response 2724438**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.90  | 18.96  |
| 277.00 | 23.70  | 23.90  |
| 0.00   | 0.00   | 0.00   |

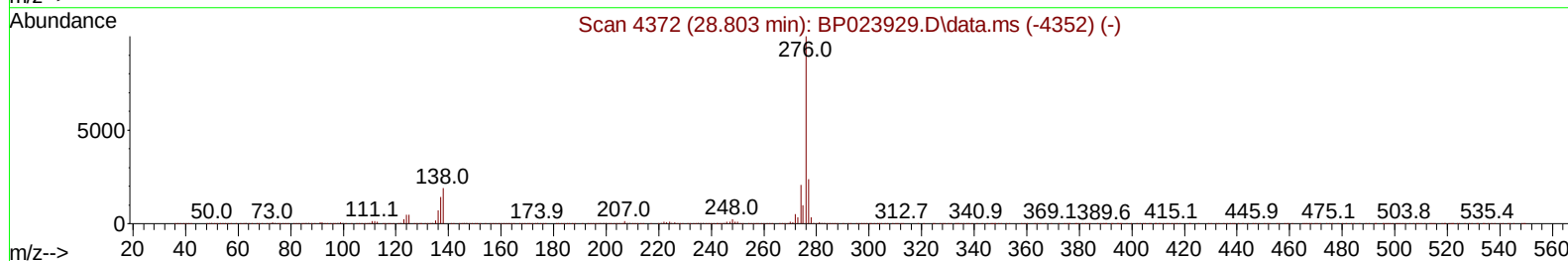
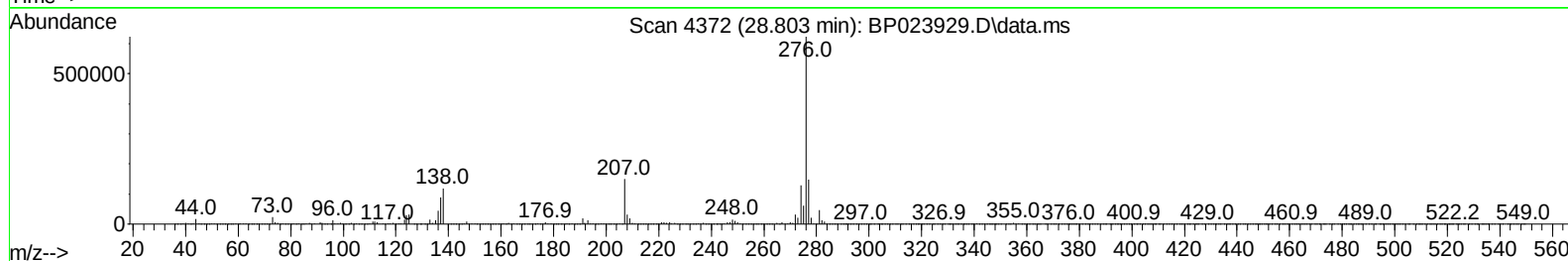
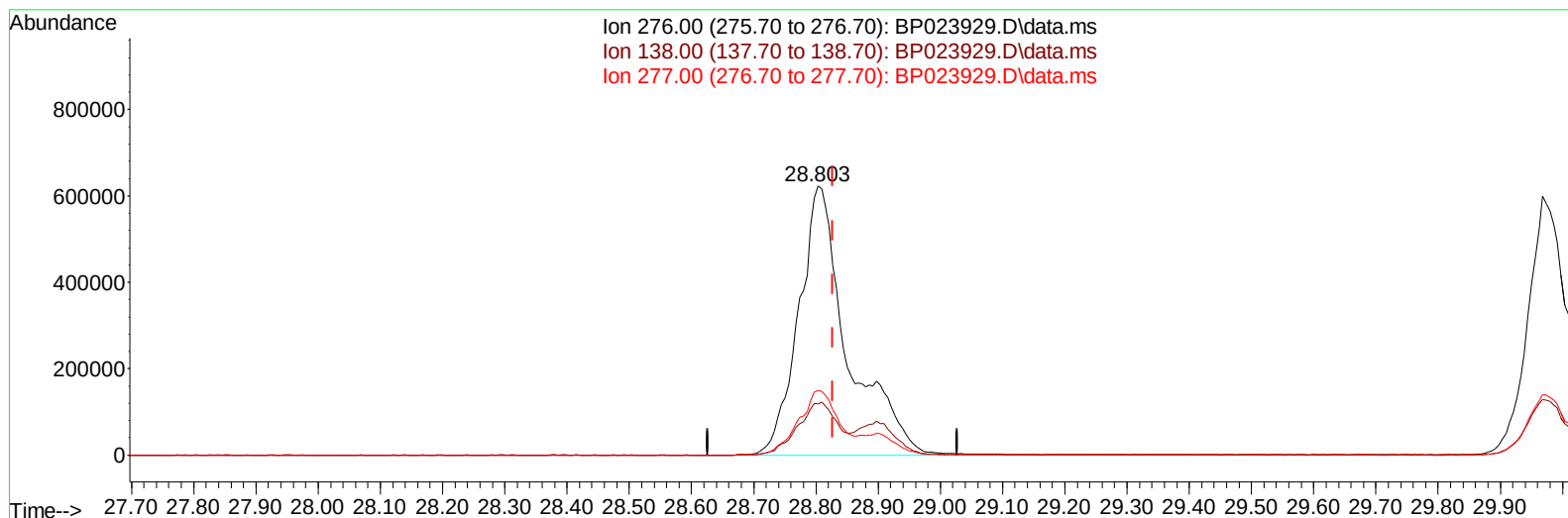
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TIC: BP023929.D\data.ms

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

**28.803min (-0.024) 21.28 ng/ul m**

**response 3410400**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.90  | 18.96  |
| 277.00 | 23.70  | 23.90  |
| 0.00   | 0.00   | 0.00   |

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 Sample : SSTDCCC020  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Feb 05 11:10:17 2025  
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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.769  | 152  | 416548   | 20.000 | ng/uI | 0.00     |
| 20) Naphthalene-d8            | 10.546 | 136  | 1795452  | 20.000 | ng/uI | 0.00     |
| 38) Acenaphthene-d10          | 14.392 | 164  | 1107015  | 20.000 | ng/uI | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 2148833  | 20.000 | ng/uI | 0.00     |
| 79) Chrysene-d12              | 21.627 | 240  | 2211704  | 20.000 | ng/uI | -0.01    |
| 88) Perylene-d12              | 24.992 | 264  | 2181980  | 20.000 | ng/uI | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.293  | 96   | 90269    | 9.004  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.705  | 84   | 657932   | 22.743 | ng/uI | 0.00     |
| 7) Phenol-d5                  | 6.952  | 99   | 794478   | 21.552 | ng/uI | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.105  | 67   | 440916   | 22.597 | ng/uI | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 636515   | 21.988 | ng/uI | 0.00     |
| 15) 4-Methylphenol-d8         | 8.475  | 113  | 624264   | 20.731 | ng/uI | 0.00     |
| 21) Nitrobenzene-d5           | 8.916  | 128  | 311071   | 21.655 | ng/uI | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.628  | 143  | 320135   | 20.654 | ng/uI | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.175 | 165  | 607971   | 21.381 | ng/uI | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.675 | 131  | 895226   | 21.052 | ng/uI | 0.00     |
| 46) Dimethylphthalate-d6      | 13.792 | 166  | 1693956  | 20.515 | ng/uI | 0.00     |
| 49) Acenaphthylene-d8         | 14.081 | 160  | 2043111  | 21.938 | ng/uI | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 317640   | 19.370 | ng/uI | -0.01    |
| 60) Fluorene-d10              | 15.392 | 176  | 1490011  | 21.428 | ng/uI | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 232092   | 17.508 | ng/uI | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 2382844  | 22.585 | ng/uI | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 2577692  | 21.751 | ng/uI | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.751 | 264  | 2498393  | 21.945 | ng/uI | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.328  | 88   | 91674    | 8.695  | ng/uL | 99       |
| 5) Pyridine                   | 3.722  | 79   | 668137   | 23.069 | ng/uI | 99       |
| 6) Benzaldehyde               | 6.922  | 77   | 494609   | 27.338 | ng/uI | 99       |
| 8) Phenol                     | 6.981  | 94   | 840525   | 22.206 | ng/uI | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.199  | 93   | 638126   | 22.146 | ng/uI | 99       |
| 12) 2-Chlorophenol            | 7.346  | 128  | 662585   | 22.217 | ng/uI | 98       |
| 13) 2-Methylphenol            | 8.216  | 108  | 602464   | 21.153 | ng/uI | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.287  | 45   | 675881   | 22.736 | ng/uI | 99       |
| 16) Acetophenone              | 8.587  | 105  | 1026760  | 22.304 | ng/uI | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.569  | 70   | 467058   | 21.546 | ng/uI | 97       |
| 18) 4-Methylphenol            | 8.540  | 108  | 679956   | 21.518 | ng/uI | 100      |
| 19) Hexachloroethane          | 8.846  | 117  | 264037   | 22.390 | ng/uI | 100      |
| 22) Nitrobenzene              | 8.957  | 77   | 720440   | 23.110 | ng/uI | 96       |
| 23) Isophorone                | 9.481  | 82   | 1290480  | 20.502 | ng/uI | 97       |
| 25) 2-Nitrophenol             | 9.657  | 139  | 360696   | 21.335 | ng/uI | 95       |
| 26) 2,4-Dimethylphenol        | 9.728  | 107  | 686417   | 21.936 | ng/uI | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.951  | 93   | 826111   | 21.070 | ng/uI | 99       |
| 29) 2,4-Dichlorophenol        | 10.198 | 162  | 620475   | 21.518 | ng/uI | 98       |
| 30) Naphthalene               | 10.593 | 128  | 2138520  | 22.252 | ng/uI | 100      |
| 32) 4-Chloroaniline           | 10.698 | 127  | 860559   | 21.443 | ng/uI | 100      |
| 33) Hexachlorobutadiene       | 10.881 | 225  | 375041   | 21.484 | ng/uI | 100      |
| 34) Caprolactam               | 11.475 | 113  | 194031   | 17.369 | ng/uI | 94       |
| 35) 4-Chloro-3-methylphenol   | 11.834 | 107  | 632455   | 20.404 | ng/uI | 99       |

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/06/2025  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.204 | 142  | 1438236  | 21.284 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.422 | 142  | 1438915  | 21.465 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.575 | 216  | 729353   | 22.286 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.551 | 237  | 297097   | 16.110 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.810 | 196  | 458986   | 20.996 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.887 | 196  | 508968   | 21.601 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.216 | 154  | 1855415  | 22.579 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.257 | 162  | 1448517  | 22.623 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.457 | 65   | 365998   | 21.963 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.839 | 163  | 1697183  | 20.658 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.951 | 165  | 329435   | 20.518 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.110 | 152  | 2225460  | 22.439 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.287 | 138  | 377778   | 21.410 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.457 | 153  | 1566046  | 22.271 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.498 | 184  | 128675   | 13.443 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.610 | 109  | 248764   | 21.443 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.798 | 168  | 2152032  | 22.086 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 488628   | 20.460 | ng/ul# | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.022 | 232  | 399481   | 19.924 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.222 | 149  | 1688288  | 20.511 | ng/ul  | 100      |
| 61) Fluorene                  | 15.451 | 166  | 1818256  | 22.495 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.445 | 204  | 869574   | 21.732 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.469 | 138  | 406230   | 23.663 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.522 | 198  | 262048   | 17.980 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.663 | 169  | 1456665  | 22.212 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.357 | 248  | 505470   | 20.850 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.481 | 284  | 620581   | 21.127 | ng/ul  | 99       |
| 70) Atrazine                  | 16.633 | 200  | 512102   | 20.165 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.833 | 266  | 340393   | 18.839 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.228 | 178  | 2752540  | 22.683 | ng/ul  | 100      |
| 74) Anthracene                | 17.322 | 178  | 2803367  | 22.907 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.181 | 216  | 716534   | 22.771 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.716 | 250  | 747265   | 22.037 | ng/uL  | 99       |
| 77) Carbazole                 | 17.604 | 167  | 2551102  | 23.795 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.198 | 149  | 2741723  | 20.662 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.316 | 202  | 3043761  | 22.298 | ng/ul  | 99       |
| 82) Pyrene                    | 19.686 | 202  | 3332553  | 23.346 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 1215525  | 19.774 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.521 | 252  | 943347   | 19.714 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.604 | 228  | 3151036  | 21.666 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 1764413  | 19.672 | ng/ul  | 98       |
| 87) Chrysene                  | 21.674 | 228  | 3003678  | 22.414 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.827 | 149  | 2698911  | 20.634 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.910 | 252  | 2975953  | 22.477 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.980 | 252  | 3004949  | 22.640 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.827 | 252  | 2750573  | 22.246 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.803 | 276  | 3410400m | 21.280 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.898 | 278  | 2750762  | 21.159 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.968 | 276  | 2623682  | 21.373 | ng/ul  | 99       |

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

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