

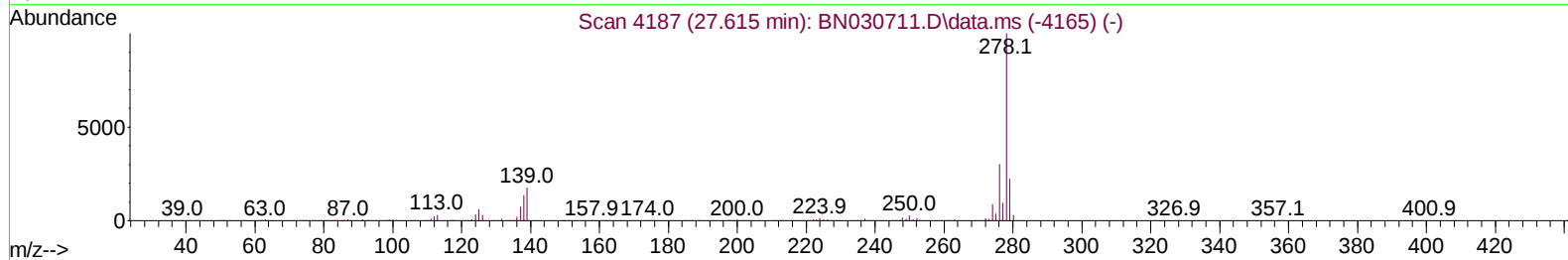
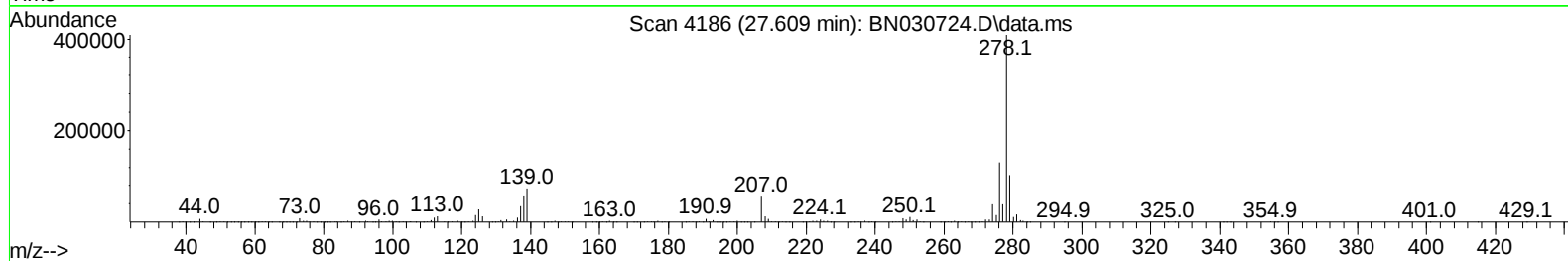
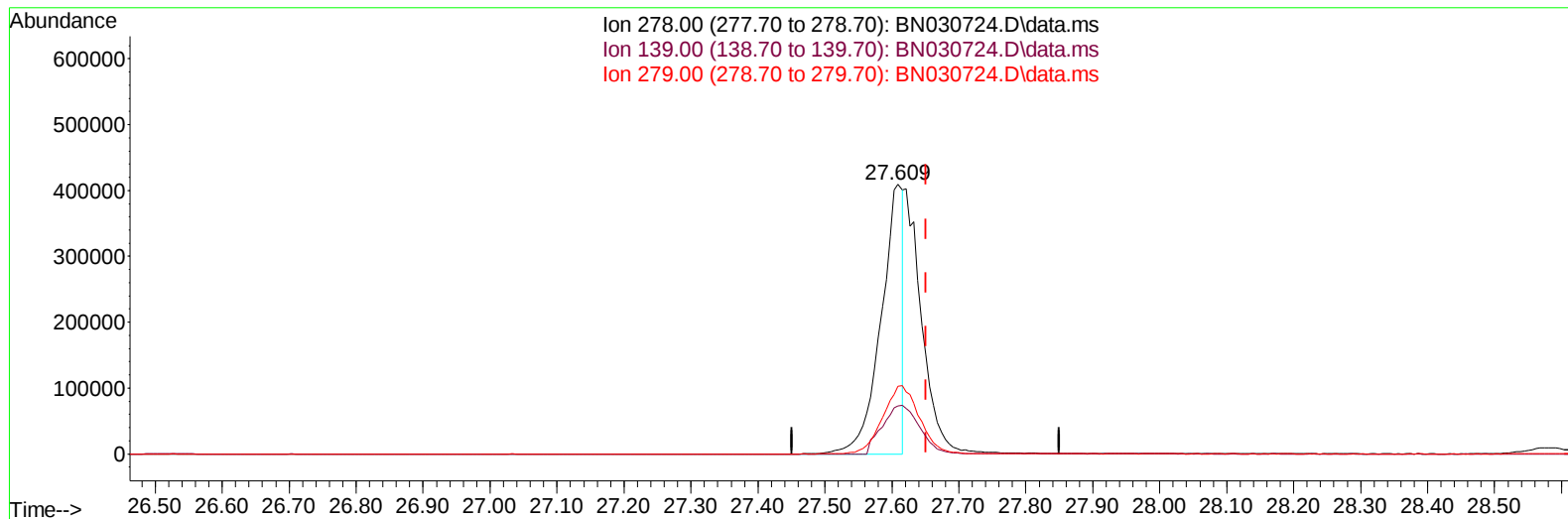
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040624\  
Data File : BN030724.D  
Acq On : 07 Apr 2024 02:17  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Apr 07 13:29:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Mar 31 12:24:07 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/08/2024  
Supervised By :mohammad ahmed 04/08/2024



TIC: BN030724.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**27.609min (-0.041) 11.61 ng/u1**

**response 929068**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 16.50  | 17.88  |
| 279.00 | 21.80  | 25.06  |
| 0.00   | 0.00   | 0.00   |

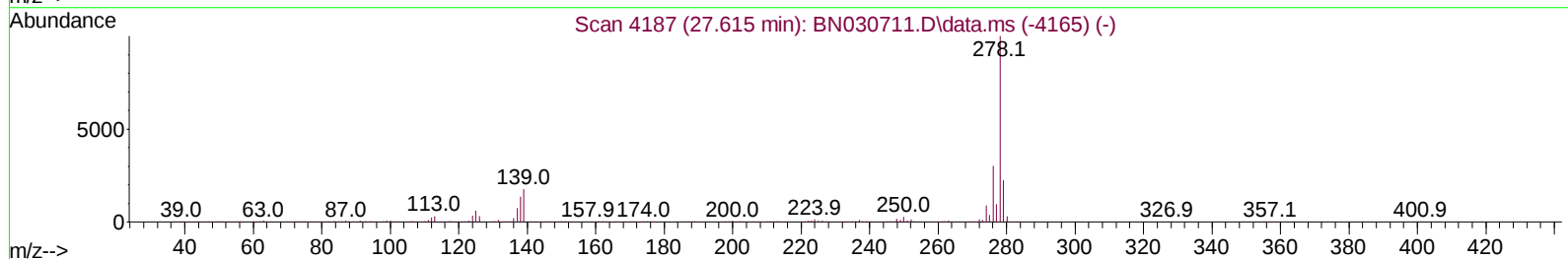
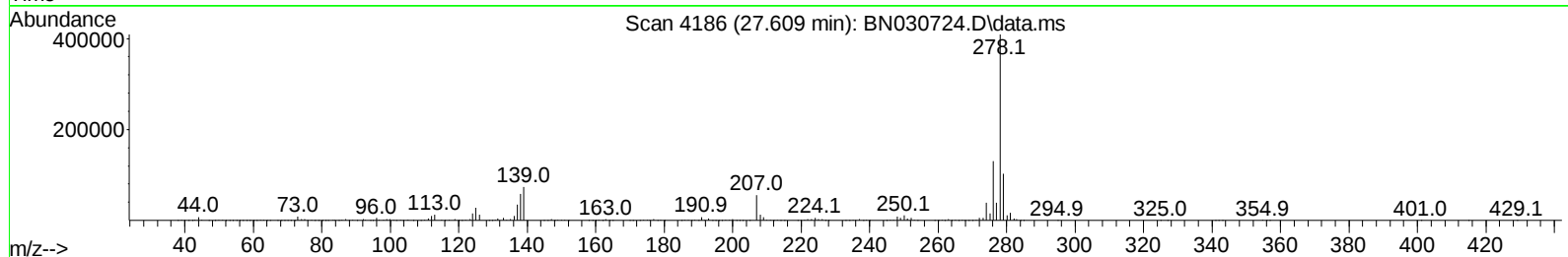
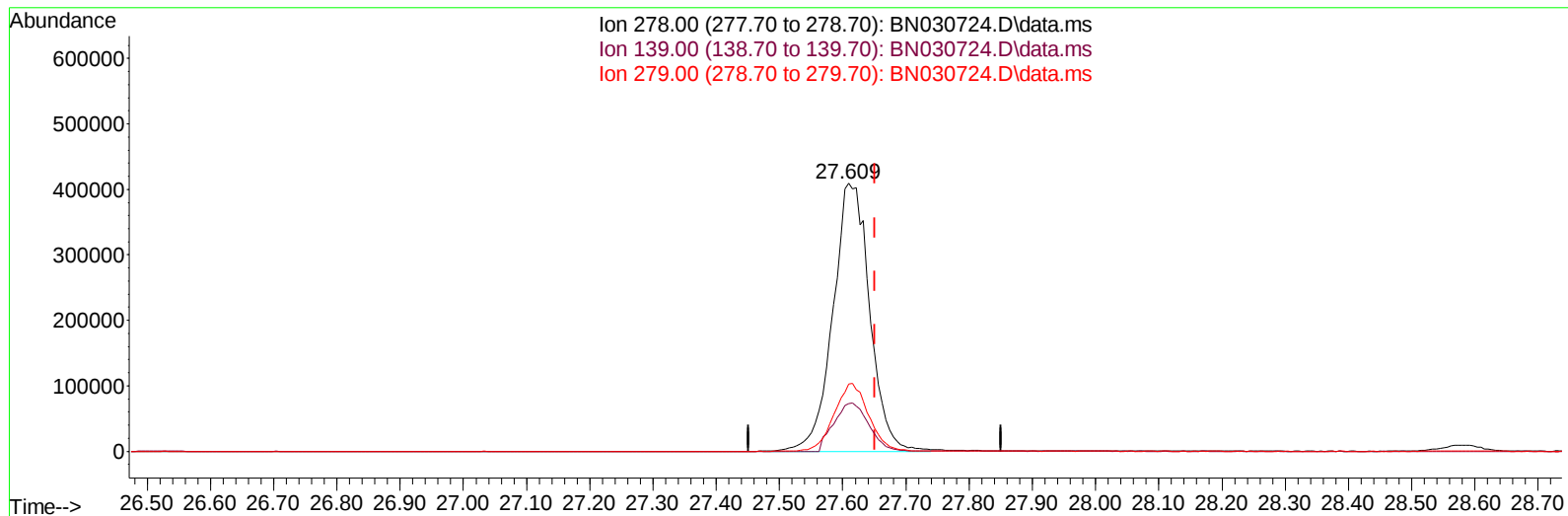
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(95) Dibenzo(a,h)anthracene

27.609min (-0.041) 20.65 ng/ul m

response 1653277

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 16.50  | 17.88  |
| 279.00 | 21.80  | 25.06  |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 179994   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.469 | 136  | 858648   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.334 | 164  | 609601   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.080 | 188  | 1305018  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.316 | 240  | 1349455  | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.251 | 264  | 1582295  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 29764    | 7.753  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.593  | 84   | 222562   | 19.336 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.857  | 99   | 295317   | 20.282 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 175544   | 19.519 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 236294   | 21.392 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 250511   | 20.528 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 125642   | 21.094 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 133757   | 24.547 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 257532   | 21.589 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 395864   | 20.157 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 833406   | 20.477 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 980602   | 20.955 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 166909   | 21.439 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.328 | 176  | 735929   | 20.663 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 122204   | 21.215 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.175 | 188  | 1167758  | 20.768 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.474 | 212  | 1407365  | 19.398 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.051 | 264  | 1498852  | 20.558 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.222  | 88   | 31281    | 7.607  | ng/uL  | 94       |
| 5) Pyridine                   | 3.616  | 79   | 222383   | 19.147 | ng/ul  | 100      |
| 6) Benzaldehyde               | 6.834  | 77   | 168626   | 24.868 | ng/ul  | 97       |
| 8) Phenol                     | 6.881  | 94   | 304256   | 20.058 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 246914   | 19.962 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.252  | 128  | 248934   | 21.009 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.128  | 108  | 239570   | 20.496 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 328484   | 18.860 | ng/ul  | 98       |
| 16) Acetophenone              | 8.504  | 105  | 401274   | 20.827 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.493  | 70   | 201028   | 20.716 | ng/ul  | 95       |
| 18) 4-Methylphenol            | 8.452  | 108  | 264131   | 20.186 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.757  | 117  | 101294   | 20.390 | ng/ul  | 94       |
| 22) Nitrobenzene              | 8.881  | 77   | 292758   | 20.134 | ng/ul  | 98       |
| 23) Isophorone                | 9.404  | 82   | 592837   | 20.444 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.593  | 139  | 145875   | 22.779 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.651  | 107  | 297832   | 20.925 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.893  | 93   | 369212   | 20.026 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 254194   | 20.876 | ng/ul  | 97       |
| 30) Naphthalene               | 10.522 | 128  | 889117   | 20.190 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 385432   | 20.364 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.798 | 225  | 154438   | 20.151 | ng/ul  | 96       |
| 34) Caprolactam               | 11.404 | 113  | 92940    | 20.432 | ng/ul  | 96       |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 295570   | 21.552 | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 632232   | 20.557 | ng/ul | 98       |
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 637287   | 20.413 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 325291   | 20.677 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.487 | 237  | 175304   | 19.622 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 217676   | 22.142 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 240472   | 21.660 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.157 | 154  | 833424   | 20.058 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 669757   | 20.476 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.410 | 65   | 188186   | 21.619 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.792 | 163  | 860580   | 20.469 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 171917   | 22.055 | ng/ul | 94       |
| 50) Acenaphthylene            | 14.051 | 152  | 1121749  | 20.747 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.239 | 138  | 182255   | 22.028 | ng/ul | 98       |
| 52) Acenaphthene              | 14.392 | 153  | 735472   | 20.412 | ng/ul | 97       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 69944    | 19.536 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 131316   | 21.290 | ng/ul | 99       |
| 56) Dibenzofuran              | 14.734 | 168  | 1020261  | 20.370 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 258461   | 22.711 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 208863   | 22.652 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.163 | 149  | 899692   | 21.064 | ng/ul | 98       |
| 61) Fluorene                  | 15.381 | 166  | 827867   | 20.795 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 408036   | 20.891 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 193705   | 24.082 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 131882   | 21.308 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 732613   | 20.614 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 259604   | 20.949 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 301185   | 20.640 | ng/ul | 97       |
| 70) Atrazine                  | 16.551 | 200  | 266037   | 21.597 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.728 | 266  | 179021   | 20.808 | ng/ul | 95       |
| 72) Phenanthrene              | 17.122 | 178  | 1372392  | 20.469 | ng/ul | 99       |
| 74) Anthracene                | 17.210 | 178  | 1437346  | 21.206 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216  | 325348   | 20.293 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 334941   | 20.568 | ng/uL | 93       |
| 77) Carbazole                 | 17.486 | 167  | 1334787  | 22.456 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.057 | 149  | 1619509  | 22.334 | ng/ul | 100      |
| 80) Fluoranthene              | 19.139 | 202  | 1680037  | 19.480 | ng/ul | 97       |
| 82) Pyrene                    | 19.510 | 202  | 1778502  | 19.526 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.416 | 149  | 774328   | 22.261 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.227 | 252  | 591377   | 23.850 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 1864219  | 20.700 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 1156953  | 22.554 | ng/ul | 98       |
| 87) Chrysene                  | 21.357 | 228  | 1731723  | 20.372 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.345 | 149  | 2061465  | 20.573 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 1899710  | 20.401 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.386 | 252  | 1849497  | 19.557 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.115 | 252  | 1737848  | 19.756 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.551 | 276  | 1994774  | 20.978 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.609 | 278  | 1653277m | 20.653 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 28.586 | 276  | 1570684  | 21.040 | ng/ul | 98       |

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

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