Quantitation Report (Qedit)

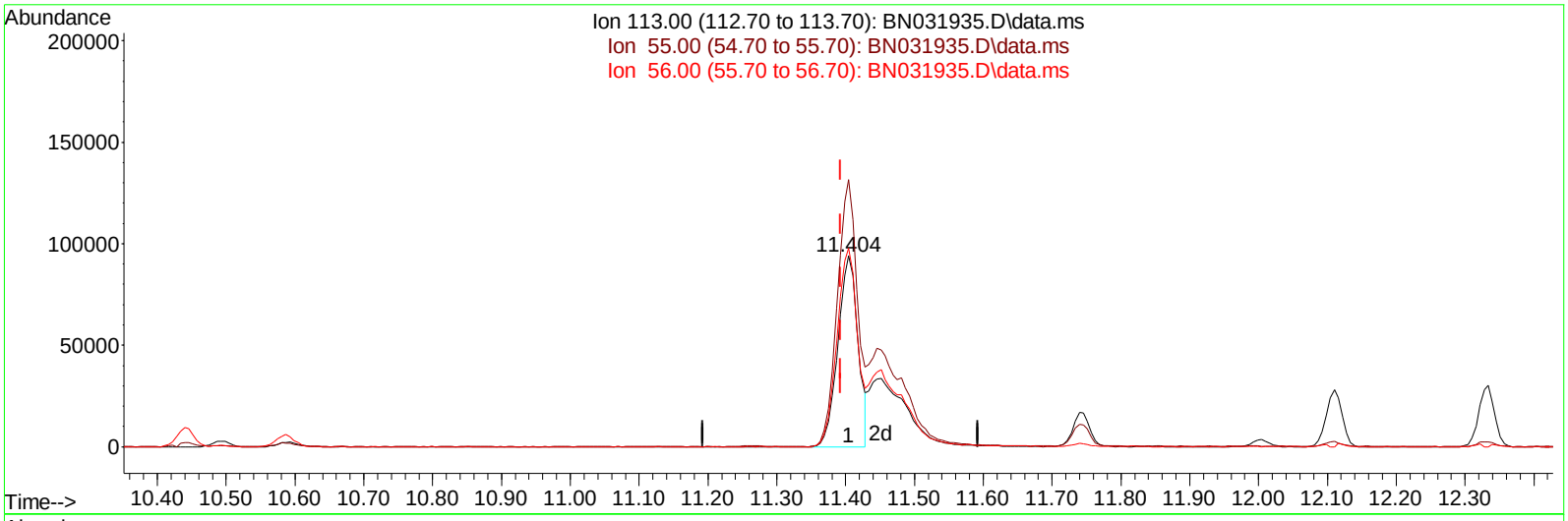
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031935.D
Acq On : 12 Jun 2024 10:48
Operator : MA/JU
Sample : PB161173BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

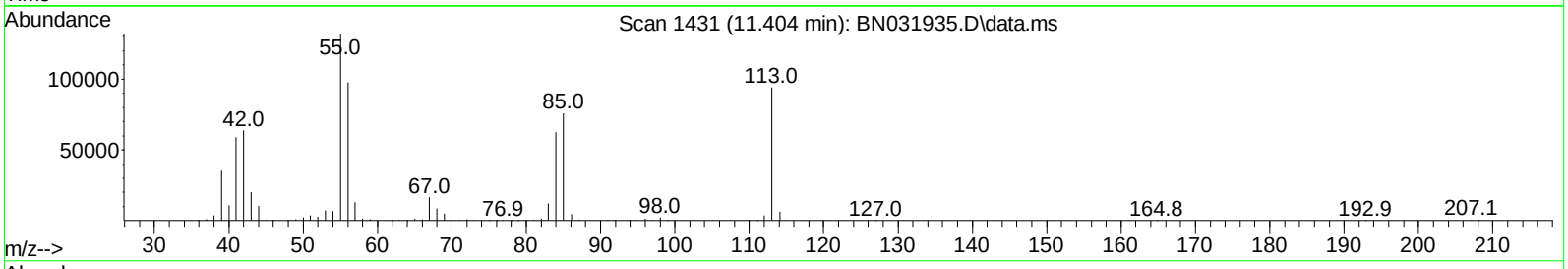
Quant Time: Jun 12 22:51:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

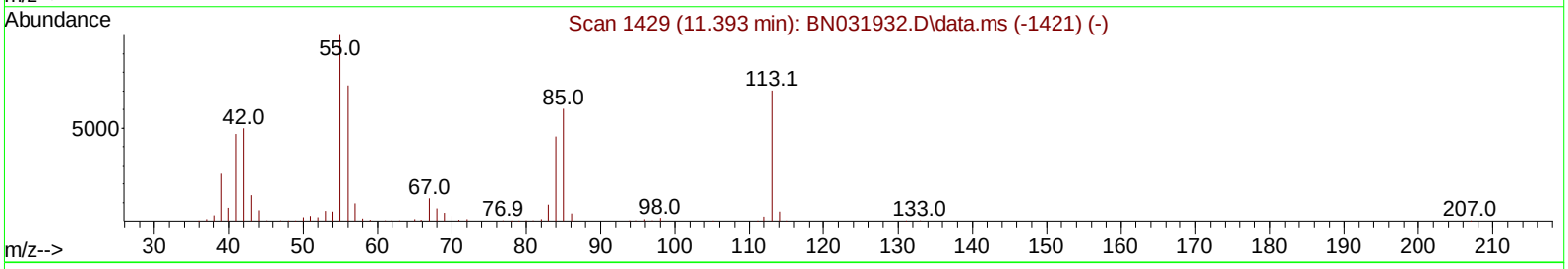
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS173

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024




TIC: BN031935.D\data.ms

**(34) Caprolactam**

**11.404min (+ 0.012) 20.73 ng/ul**

**response 189325**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 139.89 |
| 56.00 | 111.70 | 103.92 |
| 0.00 | 0.00 | 0.00 |

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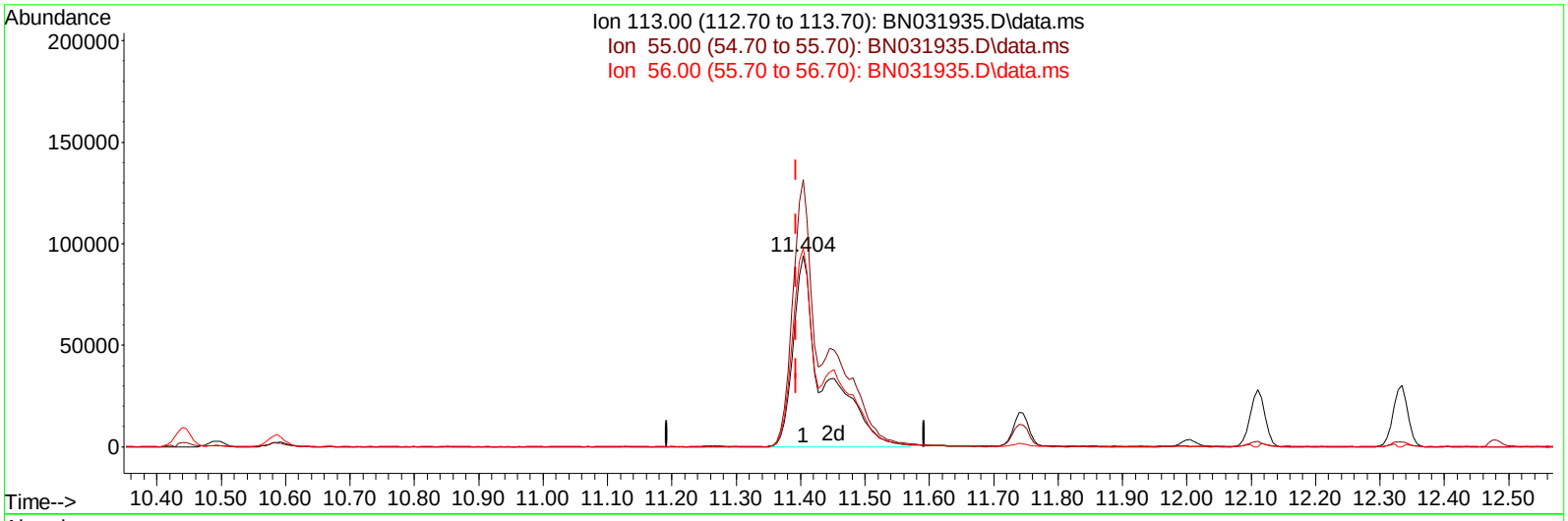


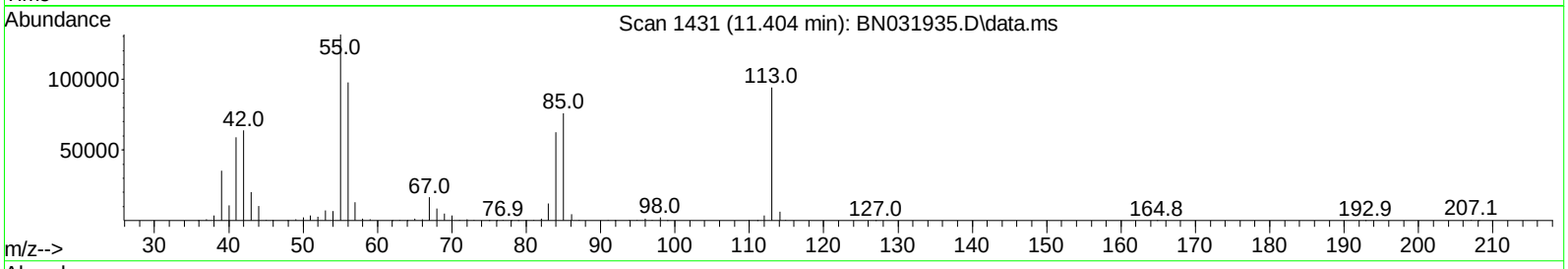


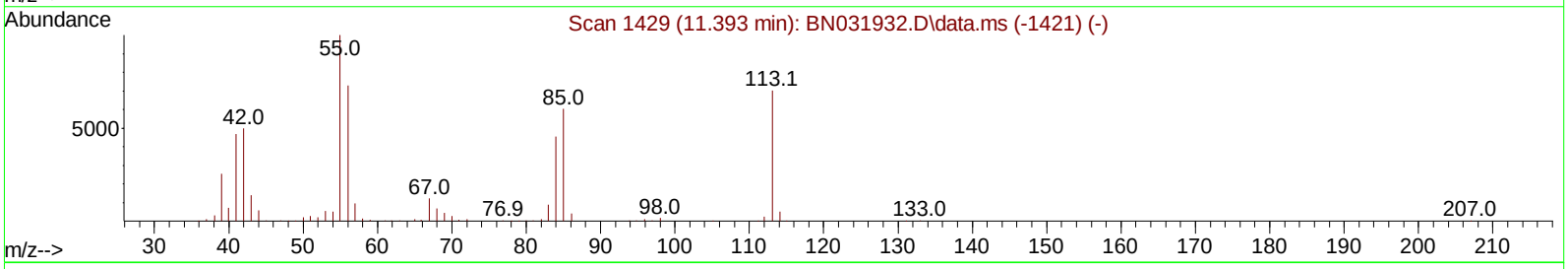


TIC: BN031935.D\data.ms

**(34) Caprolactam**

**11.404min (+ 0.012) 34.49 ng/ul m**

**response 314910**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 139.89 |
| 56.00 | 111.70 | 103.92 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
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**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 06/14/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 350438 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.440 | 136 | 1606776 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.304 | 164 | 1059703 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.051 | 188 | 2184665 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.292 | 240 | 1586643 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.227 | 264 | 1470120 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.175 | 96 | 46977 | 5.546 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.581 | 84 | 660120 | 27.684 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.834 | 99 | 971293 | 32.331 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.005 | 67 | 548146 | 31.193 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.193 | 132 | 792349 | 34.566 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.369 | 113 | 796206 | 32.513 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.816 | 128 | 409954 | 33.369 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.534 | 143 | 446481 | 35.182 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.069 | 165 | 787199 | 33.226 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.587 | 131 | 1103200 | 31.362 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.722 | 166 | 2430452 | 32.922 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.998 | 160 | 2739519 | 32.272 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.528 | 143 | 487253 | 32.964 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.304 | 176 | 1985434 | 31.785 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200 | 392447 | 35.738 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.157 | 188 | 2951152 | 31.553 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.451 | 212 | 3417247 | 40.248 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.021 | 264 | 2308607 | 32.887 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.211 | 88 | 103990 | 11.474 | ng/uL | 99 |
| 5) Pyridine | 3.599 | 79 | 681754 | 28.595 | ng/ul | 98 |
| 6) Benzaldehyde | 6.810 | 77 | 571225 | 40.538 | ng/ul | 99 |
| 8) Phenol | 6.863 | 94 | 1047352 | 34.256 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.093 | 93 | 818025 | 32.357 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.228 | 128 | 824071 | 34.353 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.104 | 108 | 793349 | 33.596 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 955655 | 32.838 | ng/ul | 99 |
| 16) Acetophenone | 8.487 | 105 | 1276588 | 34.397 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.475 | 70 | 621717 | 32.328 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.434 | 108 | 888150 | 34.696 | ng/ul | 98 |
| 19) Hexachloroethane | 8.728 | 117 | 336118 | 33.089 | ng/ul | 98 |
| 22) Nitrobenzene | 8.863 | 77 | 943355 | 32.229 | ng/ul | 98 |
| 23) Isophorone | 9.387 | 82 | 1868917 | 31.126 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.563 | 139 | 499419 | 36.020 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.628 | 107 | 627930 | 23.280 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.863 | 93 | 1166562 | 31.174 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 817990 | 34.967 | ng/ul | 99 |
| 30) Naphthalene | 10.493 | 128 | 2717330 | 32.677 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.610 | 127 | 1015441 | 29.733 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 10.769 | 225 | 475237 | 33.825 | ng/ul | 93 |
| 34) Caprolactam | 11.404 | 113 | 314910m | 34.488 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.740 | 107 | 951422 | 34.795 | ng/ul | 99 |

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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.110 | 142 | 1904227 | 33.501 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.334 | 142 | 1920210 | 33.669 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216 | 970766 | 34.639 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.451 | 237 | 309928 | 19.188 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 12.728 | 196 | 662590 | 34.832 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.804 | 196 | 736399 | 35.624 | ng/ul | 94 |
| 43) 1,1'-Biphenyl | 13.134 | 154 | 2487439 | 33.372 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.175 | 162 | 1945256 | 33.321 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.392 | 65 | 604029 | 35.693 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.769 | 163 | 2517653 | 33.346 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.892 | 165 | 547614 | 36.489 | ng/ul | 99 |
| 50) Acenaphthylene | 14.028 | 152 | 3130849 | 32.635 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.222 | 138 | 600782 | 37.441 | ng/ul | 99 |
| 52) Acenaphthene | 14.369 | 153 | 2052176 | 32.330 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.434 | 184 | 290681 | 38.366 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.545 | 109 | 391398 | 35.695 | ng/ul | 94 |
| 56) Dibenzofuran | 14.704 | 168 | 2940835 | 34.100 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.687 | 165 | 788271 | 35.796 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 615420 | 35.592 | ng/ul | 100 |
| 59) Diethylphthalate | 15.139 | 149 | 2526505 | 32.429 | ng/ul | 99 |
| 61) Fluorene | 15.357 | 166 | 2299754 | 33.115 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 1101291 | 32.740 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.392 | 138 | 642357 | 42.052 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 460534 | 39.451 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.575 | 169 | 2120417 | 35.212 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248 | 744147 | 35.155 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.357 | 284 | 875632 | 36.499 | ng/ul | 92 |
| 70) Atrazine | 16.528 | 200 | 605778 | 31.861 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.704 | 266 | 531382 | 34.619 | ng/ul | 96 |
| 72) Phenanthrene | 17.098 | 178 | 3829175 | 34.407 | ng/ul | 98 |
| 74) Anthracene | 17.186 | 178 | 3660187 | 32.458 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.092 | 216 | 973991 | 34.638 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.622 | 250 | 965256 | 35.243 | ng/uL | 99 |
| 77) Carbazole | 17.463 | 167 | 3608764 | 37.531 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.028 | 149 | 4628635 | 34.989 | ng/ul | 100 |
| 80) Fluoranthene | 19.116 | 202 | 4317663 | 42.551 | ng/ul | 99 |
| 82) Pyrene | 19.486 | 202 | 4417696 | 42.434 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.392 | 149 | 2085840 | 42.420 | ng/ul | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.204 | 252 | 1159603 | 38.112 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.274 | 228 | 3708215 | 34.917 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phtha... | 21.198 | 149 | 2895410 | 40.395 | ng/ul | 99 |
| 87) Chrysene | 21.333 | 228 | 3394786 | 34.222 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.310 | 149 | 4773899 | 48.504 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.292 | 252 | 3158708 | 35.946 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.351 | 252 | 2862727 | 33.200 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.086 | 252 | 2480684 | 30.142 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.521 | 276 | 3356322 | 35.390 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 27.574 | 278 | 2684177 | 34.667 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 28.550 | 276 | 2574992 | 34.156 | ng/ul | 98 |

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

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