Quantitation Report (Qedit)

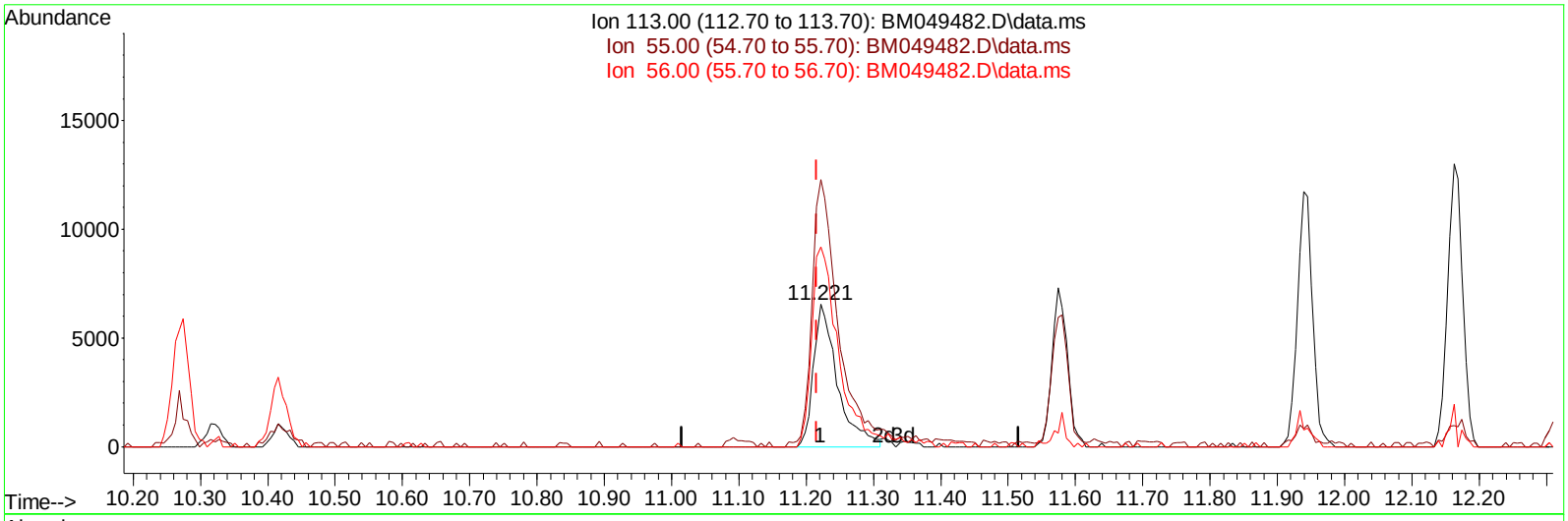
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
Data File : BM049482.D
Acq On : 28 Jan 2025 23:56
Operator : RC/JU
Sample : Q1184-11MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

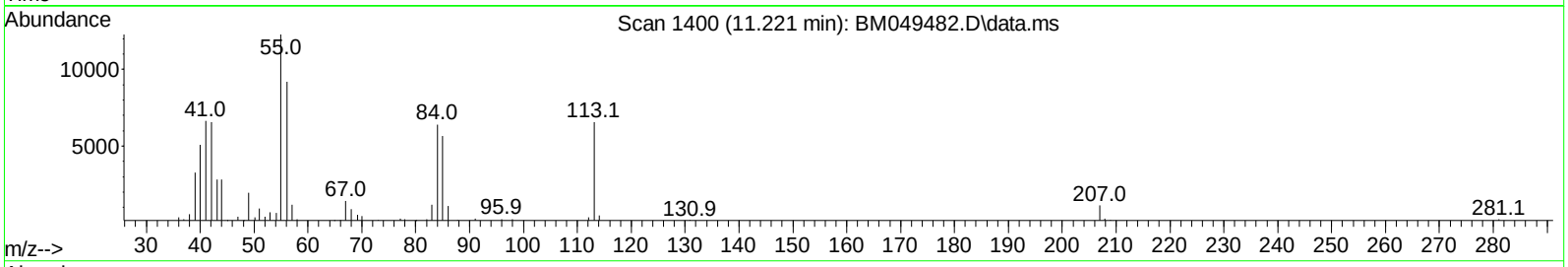
Quant Time: Jan 29 07:33:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

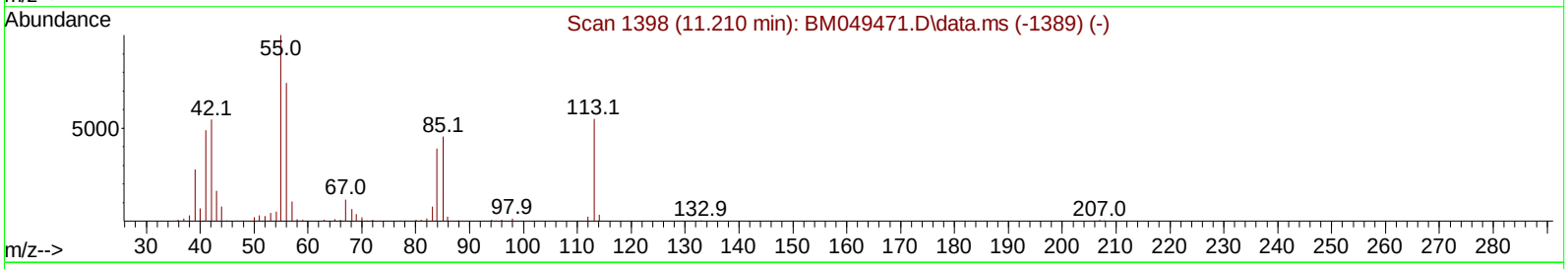
**Instrument :**
BNA_M
**ClientSampleId :**
E2959MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/29/2025
Supervised By :mohammad ahmed 02/05/2025




TIC: BM049482.D\data.ms

**(34) Caprolactam**

**11.221min (+ 0.006) 4.22 ng/ul**

**response 16237**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 182.50 | 187.56 |
| 56.00 | 134.80 | 140.33 |
| 0.00 | 0.00 | 0.00 |

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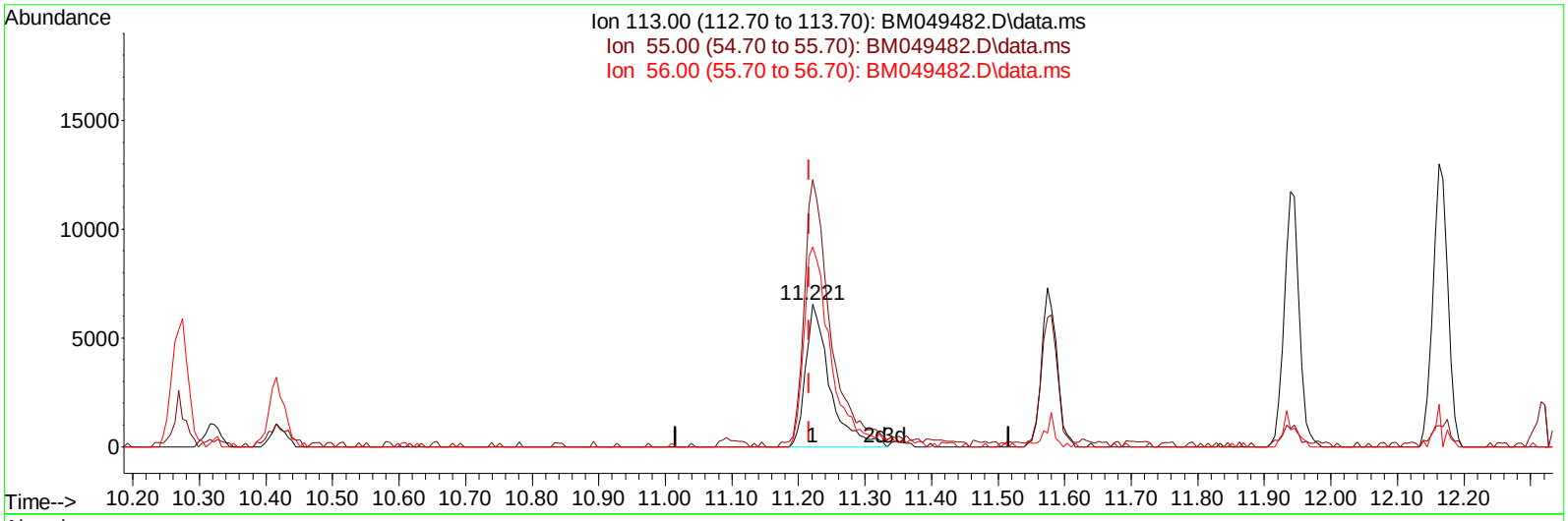


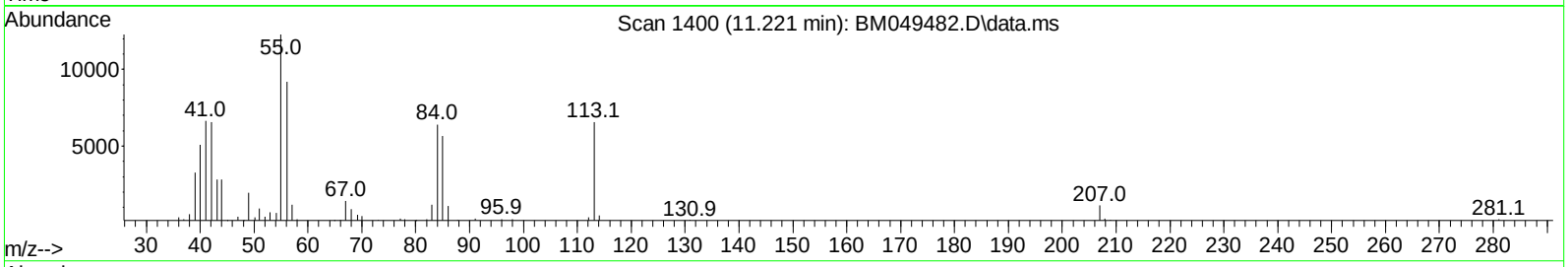


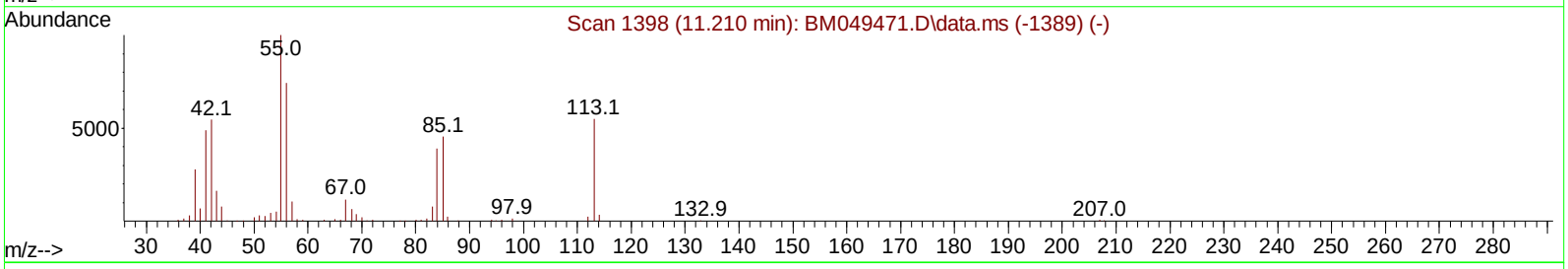


TIC: BM049482.D\data.ms

**(34) Caprolactam**

**11.221min (+ 0.006) 4.30 ng/ul m**

**response 16552**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 182.50 | 187.56 |
| 56.00 | 134.80 | 140.33 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Tue Jan 28 14:45:18 2025
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**Instrument :**
BNA_M
**ClientSampleId :**
E2959MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/29/2025
Supervised By :mohammad ahmed 02/05/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.510 | 152 | 222536 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.269 | 136 | 815584 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.151 | 164 | 509544 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.903 | 188 | 1002788 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.139 | 240 | 991427 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.915 | 264 | 980620 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.122 | 96 | 24490 | 4.077 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.516 | 84 | 99632 | 5.646 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.704 | 99 | 156310 | 8.656 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.863 | 67 | 359713 | 29.131 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.051 | 132 | 372065 | 26.626 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.228 | 113 | 271675 | 20.534 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.657 | 128 | 188817 | 30.262 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.369 | 143 | 211014 | 31.005 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.904 | 165 | 429292 | 30.910 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.416 | 131 | 451590 | 25.349 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.574 | 166 | 1252245 | 33.518 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.839 | 160 | 1352220 | 30.805 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.380 | 143 | 52647 | 8.590 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.151 | 176 | 1084453 | 33.007 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.286 | 200 | 212445 | 33.619 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.003 | 188 | 1737667 | 34.700 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.309 | 212 | 2045861 | 35.299 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.732 | 264 | 1915196 | 36.618 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.151 | 88 | 32734 | 5.186 | ng/uL | 96 |
| 5) Pyridine | 3.528 | 79 | 115351 | 6.374 | ng/ul | 94 |
| 6) Benzaldehyde | 6.669 | 77 | 192269 | 19.386 | ng/ul | 98 |
| 8) Phenol | 6.734 | 94 | 177085 | 9.343 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 6.951 | 93 | 446872 | 28.911 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.086 | 128 | 391488 | 27.129 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.963 | 108 | 319178 | 24.030 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.033 | 45 | 661255 | 27.773 | ng/ul | 99 |
| 16) Acetophenone | 8.328 | 105 | 662654 | 30.119 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.316 | 70 | 361134 | 31.297 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.286 | 108 | 303279 | 21.155 | ng/ul | 97 |
| 19) Hexachloroethane | 8.569 | 117 | 86699 | 13.674 | ng/ul | 97 |
| 22) Nitrobenzene | 8.698 | 77 | 496209 | 29.775 | ng/ul | 99 |
| 23) Isophorone | 9.222 | 82 | 948591 | 31.832 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.398 | 139 | 234937 | 31.090 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.475 | 107 | 410822 | 29.542 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.704 | 93 | 580021 | 31.076 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 9.933 | 162 | 433116 | 31.023 | ng/ul | 99 |
| 30) Naphthalene | 10.322 | 128 | 1013805 | 23.347 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.439 | 127 | 275531 | 16.164 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.610 | 225 | 171995 | 16.434 | ng/ul | 96 |
| 34) Caprolactam | 11.221 | 113 | 16552m | 4.298 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.574 | 107 | 392732 | 32.558 | ng/ul | 98 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.939 | 142 | 805273 | 27.191 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.163 | 142 | 819357 | 28.065 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.321 | 216 | 531168 | 28.280 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.298 | 237 | 190261 | 17.267 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.568 | 196 | 369262 | 33.337 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.639 | 196 | 397699 | 34.162 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 12.974 | 154 | 1175520 | 30.406 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.015 | 162 | 931243 | 29.711 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.227 | 65 | 286892 | 36.437 | ng/ul | 97 |
| 47) Dimethylphthalate | 13.621 | 163 | 1276733 | 34.401 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.739 | 165 | 245388 | 36.764 | ng/ul | 99 |
| 50) Acenaphthylene | 13.868 | 152 | 1427779 | 31.660 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.068 | 138 | 226798 | 34.206 | ng/ul | 96 |
| 52) Acenaphthene | 14.215 | 153 | 1033036 | 32.084 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.274 | 184 | 136426 | 33.055 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.398 | 109 | 42790 | 9.542 | ng/ul | 96 |
| 56) Dibenzofuran | 14.557 | 168 | 1505235 | 32.788 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.533 | 165 | 370087 | 37.078 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.786 | 232 | 338268 | 35.679 | ng/ul | 98 |
| 59) Diethylphthalate | 14.998 | 149 | 1266369 | 35.944 | ng/ul | 100 |
| 61) Fluorene | 15.209 | 166 | 1276846 | 34.419 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.209 | 204 | 680971 | 33.842 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.239 | 138 | 252980 | 41.319 | ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.298 | 198 | 242437 | 35.003 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.427 | 169 | 1056400 | 35.339 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.104 | 248 | 402674 | 35.167 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.215 | 284 | 463768 | 35.075 | ng/ul | 99 |
| 70) Atrazine | 16.392 | 200 | 377652 | 32.096 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.562 | 266 | 286882 | 34.457 | ng/ul | 99 |
| 72) Phenanthrene | 16.951 | 178 | 1999197 | 35.417 | ng/ul | 99 |
| 74) Anthracene | 17.039 | 178 | 2020855 | 35.543 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 12.939 | 216 | 532143 | 29.361 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.474 | 250 | 548359 | 31.642 | ng/uL | 99 |
| 77) Carbazole | 17.315 | 167 | 1815790 | 35.732 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.898 | 149 | 2218937 | 38.230 | ng/ul | 100 |
| 80) Fluoranthene | 18.974 | 202 | 2387723 | 36.070 | ng/ul | 98 |
| 82) Pyrene | 19.339 | 202 | 2560993 | 35.956 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.268 | 149 | 923049 | 38.481 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.056 | 252 | 549831 | 29.208 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.121 | 228 | 2487092 | 35.711 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.074 | 149 | 1362745 | 38.664 | ng/ul | 100 |
| 87) Chrysene | 21.180 | 228 | 2322252 | 35.905 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.133 | 149 | 2212025 | 36.876 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.044 | 252 | 2318772 | 36.480 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.103 | 252 | 2380820 | 37.068 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.791 | 252 | 2191868 | 36.760 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.003 | 276 | 2745884 | 37.154 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 27.050 | 278 | 2263356 | 37.794 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.956 | 276 | 2096465 | 37.308 | ng/ul | 99 |

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

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