Quantitation Report (Qedit)

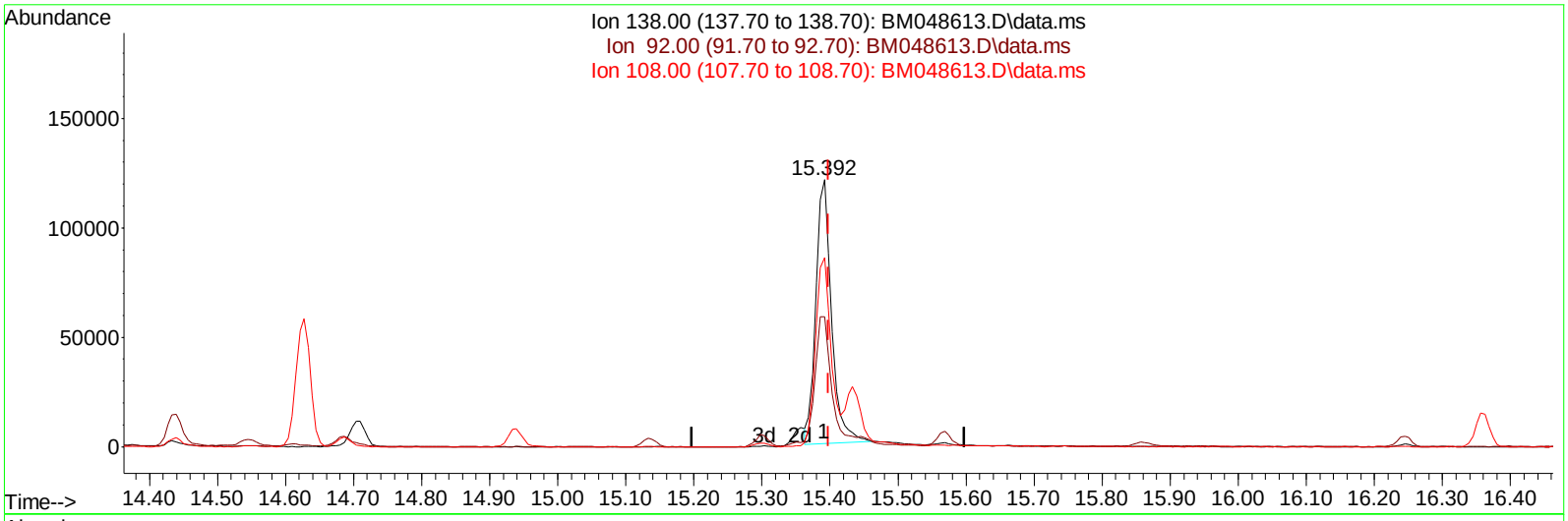
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111124\
Data File : BM048613.D
Acq On : 12 Nov 2024 10:08
Operator : RC/JU
Sample : PB164730BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

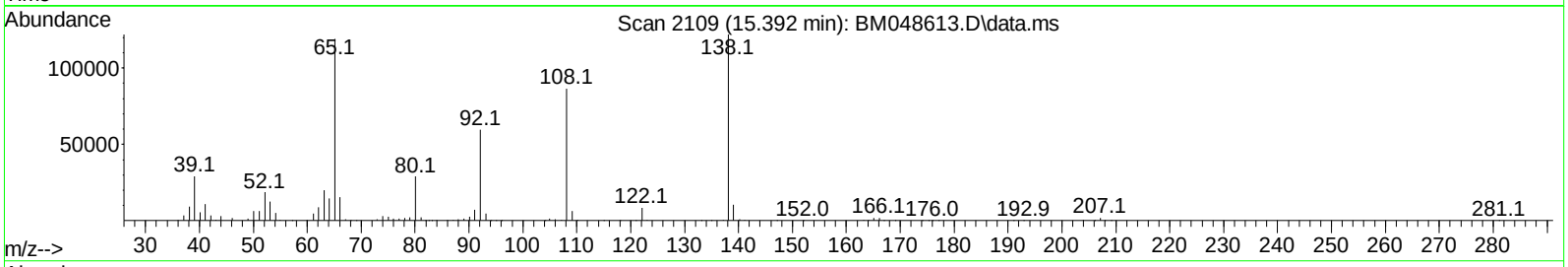
Quant Time: Nov 12 12:32:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM110724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 07 22:50:20 2024
Response via : Initial Calibration

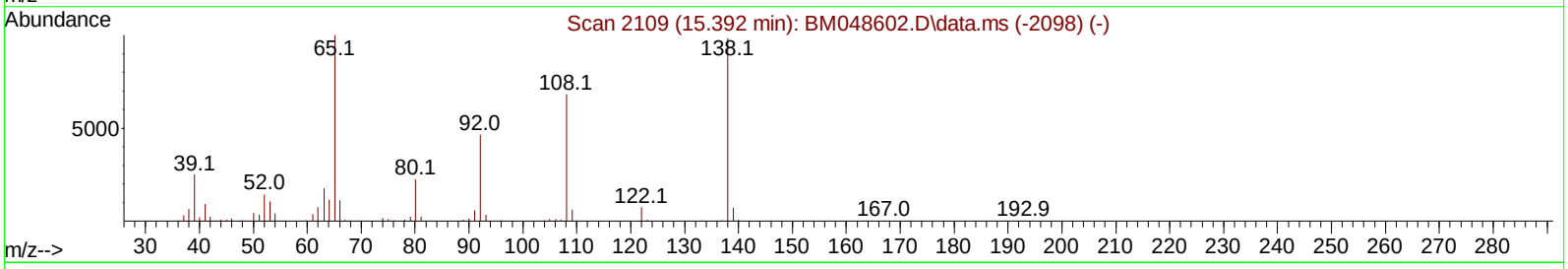
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS730

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024




TIC: BM048613.D\data.ms

**(63) 4-Nitroaniline**

**15.392min (-0.006) 31.06 ng/ul**

**response 192994**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 49.60 | 48.80 |
| 108.00 | 73.10 | 70.89 |
| 0.00 | 0.00 | 0.00 |

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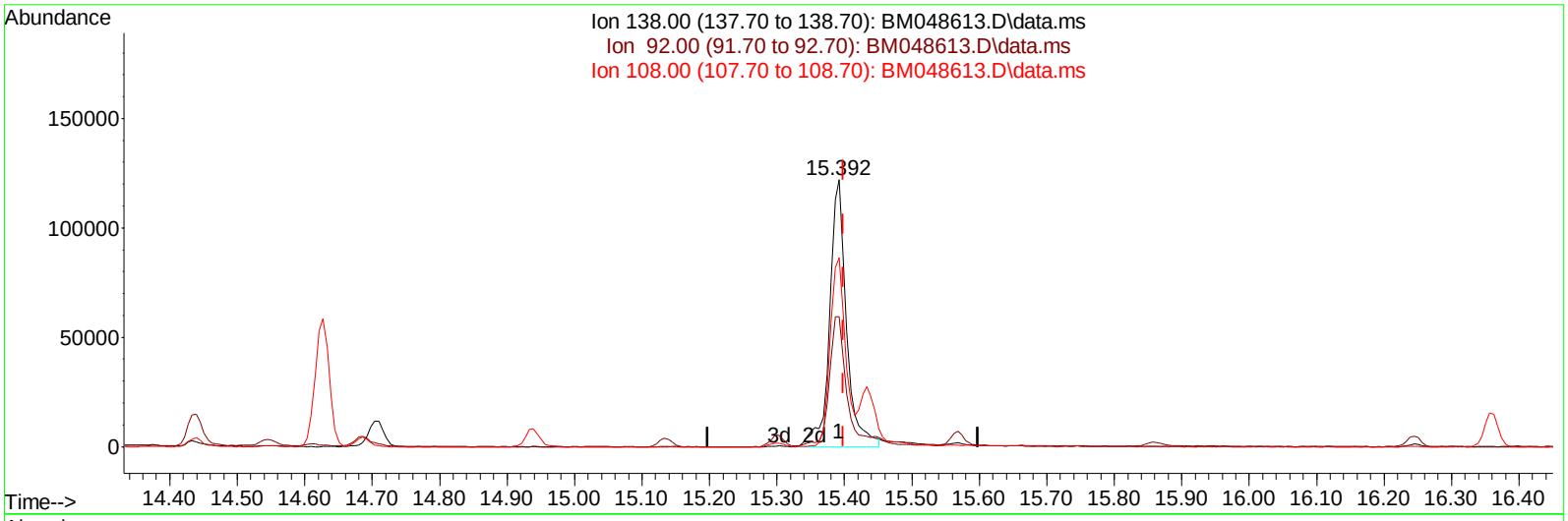


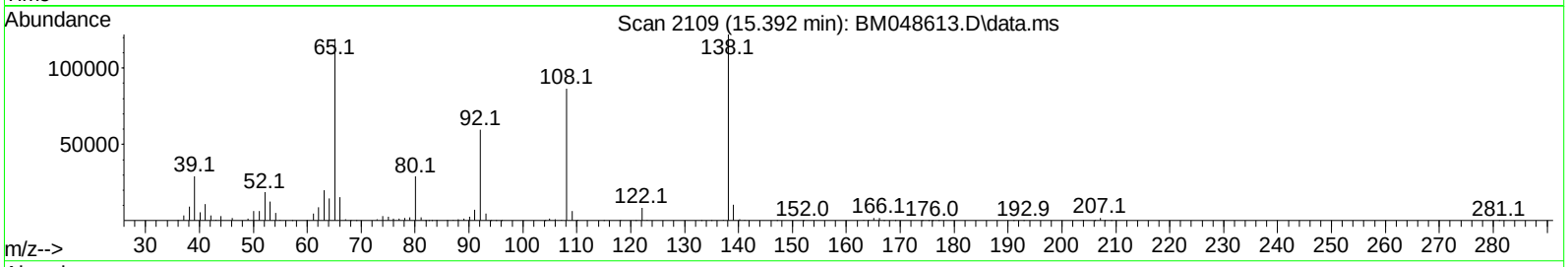


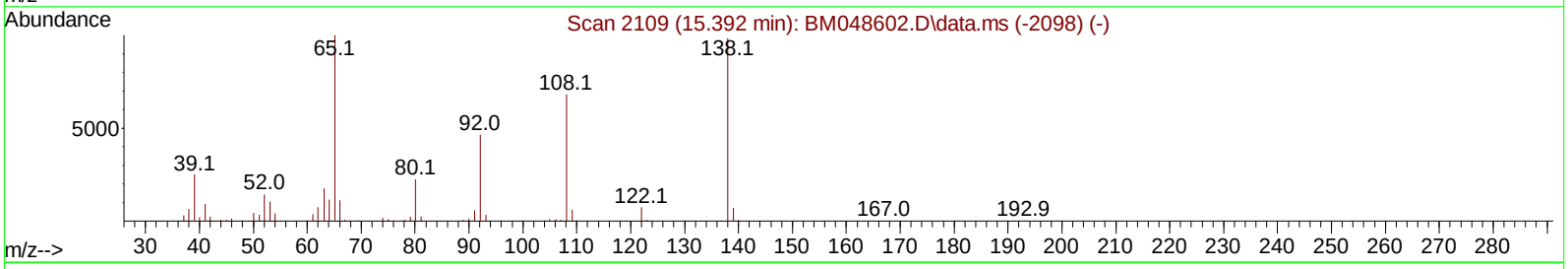


TIC: BM048613.D\data.ms

**(63) 4-Nitroaniline**

**15.392min (-0.006) 34.34 ng/ul m**

**response 213345**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 49.60 | 48.80 |
| 108.00 | 73.10 | 70.89 |
| 0.00 | 0.00 | 0.00 |

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ALS Vial : 38 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 182806 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.445 | 136 | 757681 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.304 | 164 | 475294 | 20.000 | ng/ul | -0.01 |
| 64) Phenanthrene-d10 | 17.051 | 188 | 996076 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.280 | 240 | 984834 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.180 | 264 | 1120213 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.122 | 96 | 25294 | 5.516 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.534 | 84 | 364071 | 28.809 | ng/ul | -0.01 |
| 7) Phenol-d5 | 6.840 | 99 | 440309 | 31.641 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.992 | 67 | 250976 | 30.026 | ng/ul | -0.01 |
| 11) 2-Chlorophenol-d4 | 7.192 | 132 | 366697 | 31.811 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.375 | 113 | 341630 | 31.222 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.816 | 128 | 174619 | 31.797 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.534 | 143 | 189055 | 32.366 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.075 | 165 | 346624 | 31.944 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.586 | 131 | 436560 | 28.324 | ng/ul | -0.01 |
| 46) Dimethylphthalate-d6 | 13.721 | 166 | 945597 | 31.166 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.998 | 160 | 1115774 | 31.192 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.533 | 143 | 188696 | 33.485 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.304 | 176 | 829327 | 31.314 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.433 | 200 | 159279 | 31.787 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.151 | 188 | 1309237 | 31.060 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.445 | 212 | 1579488 | 31.958 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.985 | 264 | 1664292 | 31.798 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.157 | 88 | 52115 | 10.356 | ng/uL | 96 |
| 5) Pyridine | 3.557 | 79 | 369715 | 28.500 | ng/ul | 96 |
| 6) Benzaldehyde | 6.810 | 77 | 25927 | 3.770 | ng/ul | 96 |
| 8) Phenol | 6.869 | 94 | 452462 | 30.989 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.087 | 93 | 333239 | 29.043 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.222 | 128 | 367999 | 30.815 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.110 | 108 | 333007 | 30.811 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.175 | 45 | 498871 | 29.565 | ng/ul | 99 |
| 16) Acetophenone | 8.481 | 105 | 512293 | 30.035 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.469 | 70 | 246657 | 30.772 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.439 | 108 | 361872 | 30.578 | ng/ul | 100 |
| 19) Hexachloroethane | 8.728 | 117 | 145767 | 28.884 | ng/ul | 97 |
| 22) Nitrobenzene | 8.857 | 77 | 377577 | 30.324 | ng/ul | 96 |
| 23) Isophorone | 9.386 | 82 | 693968 | 30.131 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.563 | 139 | 201611 | 31.672 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.633 | 107 | 332595 | 27.972 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.863 | 93 | 435096 | 30.264 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.098 | 162 | 343062 | 31.168 | ng/ul | 98 |
| 30) Naphthalene | 10.492 | 128 | 1117333 | 29.135 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.616 | 127 | 262142 | 18.038 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.775 | 225 | 212831 | 28.573 | ng/ul | 98 |
| 34) Caprolactam | 11.392 | 113 | 108116 | 31.166 | ng/ul | 91 |
| 35) 4-Chloro-3-methylphenol | 11.751 | 107 | 340961 | 32.013 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.110 | 142 | 738328 | 30.089 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.333 | 142 | 731561 | 29.051 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.486 | 216 | 391544 | 28.748 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 12.463 | 237 | 166435 | 23.907 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 12.733 | 196 | 264167 | 30.706 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.816 | 196 | 286085 | 31.226 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.133 | 154 | 948576 | 29.188 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.174 | 162 | 756800 | 29.510 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.392 | 65 | 212336 | 32.971 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.769 | 163 | 923522 | 30.302 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.892 | 165 | 190299 | 32.754 | ng/ul | 96 |
| 50) Acenaphthylene | 14.027 | 152 | 1174300 | 29.782 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.221 | 138 | 204801 | 32.459 | ng/ul | 94 |
| 52) Acenaphthene | 14.368 | 153 | 818284 | 29.478 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.439 | 184 | 93941 | 30.072 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.545 | 109 | 129591 | 31.809 | ng/ul | 96 |
| 56) Dibenzofuran | 14.704 | 168 | 1143425 | 29.859 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.686 | 165 | 287101 | 33.995 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 241977 | 31.751 | ng/ul | 99 |
| 59) Diethylphthalate | 15.133 | 149 | 935133 | 31.143 | ng/ul | 99 |
| 61) Fluorene | 15.357 | 166 | 909899 | 30.012 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 447314 | 29.947 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.392 | 138 | 213345m | 34.339 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 169099 | 31.011 | ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.568 | 169 | 769738 | 29.320 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.245 | 248 | 278754 | 29.674 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.362 | 284 | 331610 | 29.249 | ng/ul | 98 |
| 70) Atrazine | 16.527 | 200 | 271477 | 28.413 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.709 | 266 | 222191 | 30.836 | ng/ul | 98 |
| 72) Phenanthrene | 17.092 | 178 | 1474137 | 29.840 | ng/ul | 99 |
| 74) Anthracene | 17.186 | 178 | 1484692 | 29.946 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.098 | 216 | 385018 | 27.096 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.627 | 250 | 379692 | 27.426 | ng/uL | 98 |
| 77) Carbazole | 17.462 | 167 | 1410784 | 31.592 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.021 | 149 | 1659031 | 31.599 | ng/ul | 99 |
| 80) Fluoranthene | 19.115 | 202 | 1774440 | 30.942 | ng/ul | 99 |
| 82) Pyrene | 19.474 | 202 | 1897621 | 30.517 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.380 | 149 | 792695 | 33.187 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.186 | 252 | 537999 | 30.066 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.262 | 228 | 1907432 | 30.724 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.186 | 149 | 1135227 | 32.580 | ng/ul | 99 |
| 87) Chrysene | 21.321 | 228 | 1804066 | 30.240 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.280 | 149 | 2001634 | 31.697 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.268 | 252 | 1934341 | 31.368 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.327 | 252 | 1917641 | 31.189 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.050 | 252 | 1794059 | 30.944 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.456 | 276 | 2286854 | 30.351 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 27.503 | 278 | 1872530 | 30.427 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 28.473 | 276 | 1796504 | 30.409 | ng/ul | 99 |

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

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