Quantitation Report (Qedit)

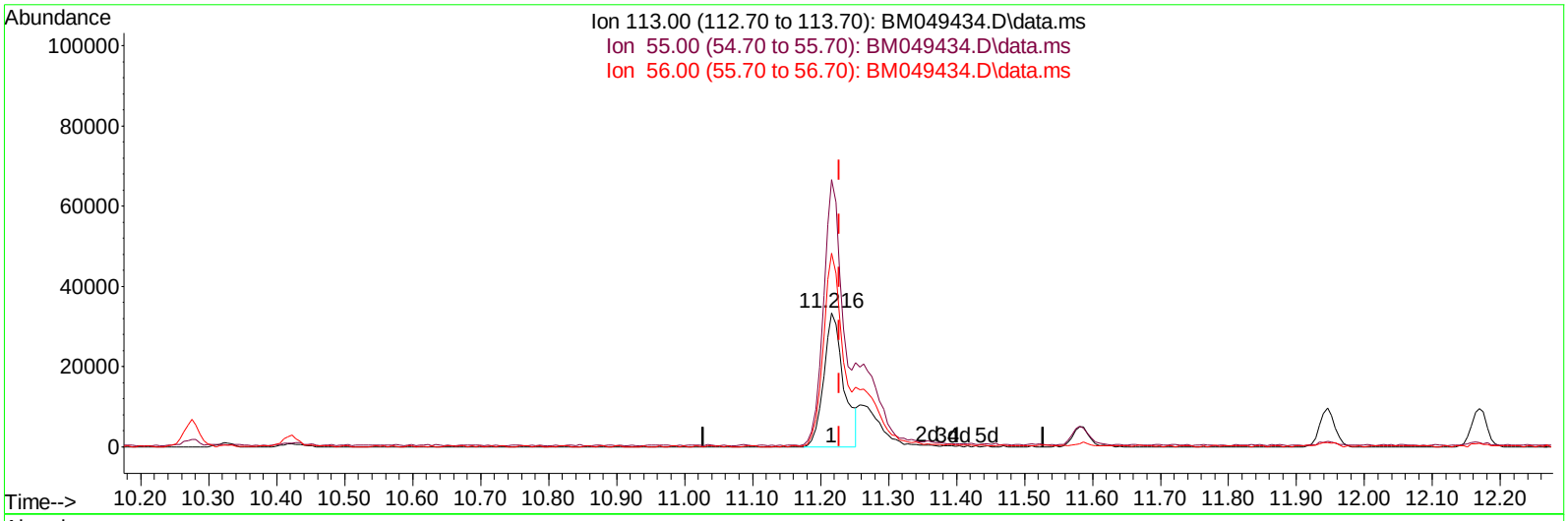
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012425\
Data File : BM049434.D
Acq On : 24 Jan 2025 13:22
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

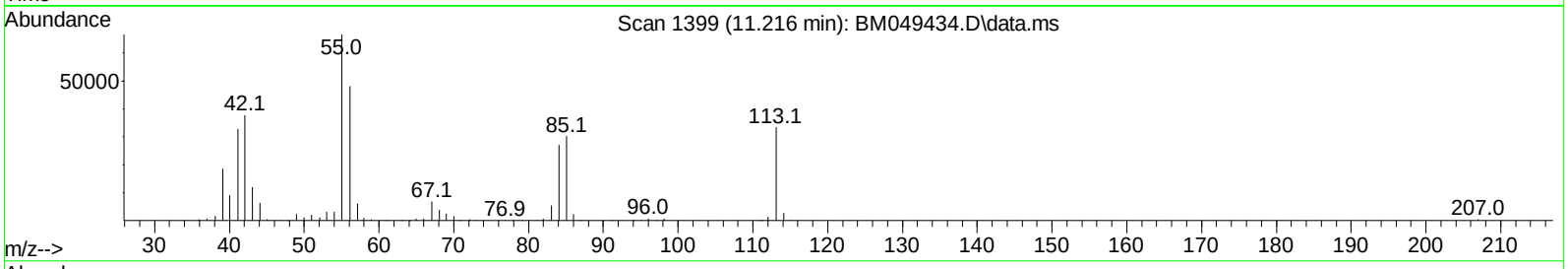
Quant Time: Jan 24 14:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

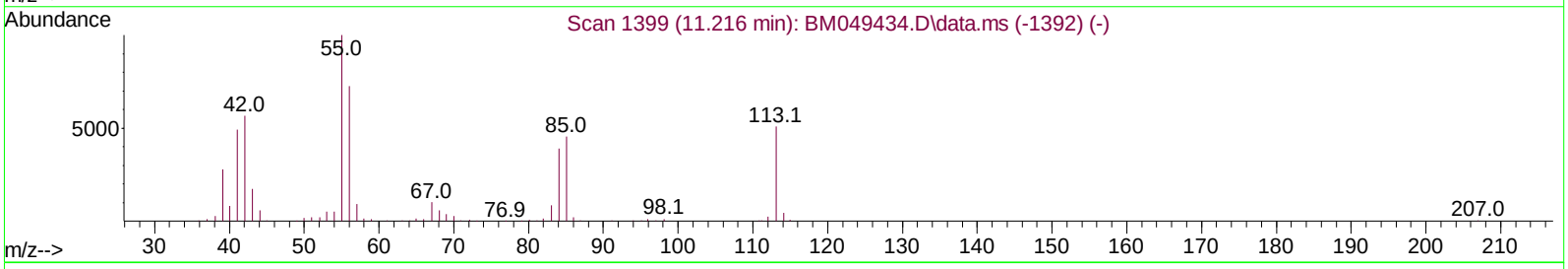
**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :mohammad ahmed 01/27/2025




TIC: BM049434.D\data.ms

**(34) Caprolactam**

**11.216min (-0.011) 16.69 ng/ul**

**response 68126**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 193.90 | 199.09 |
| 56.00 | 143.50 | 144.23 |
| 0.00 | 0.00 | 0.00 |

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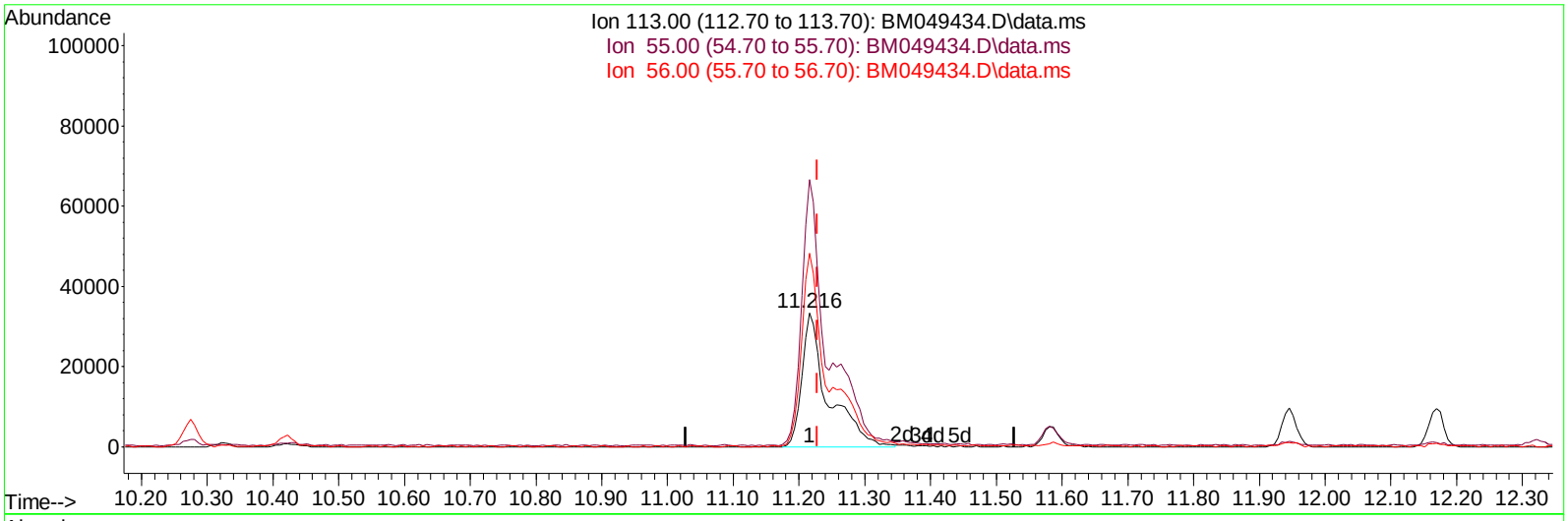


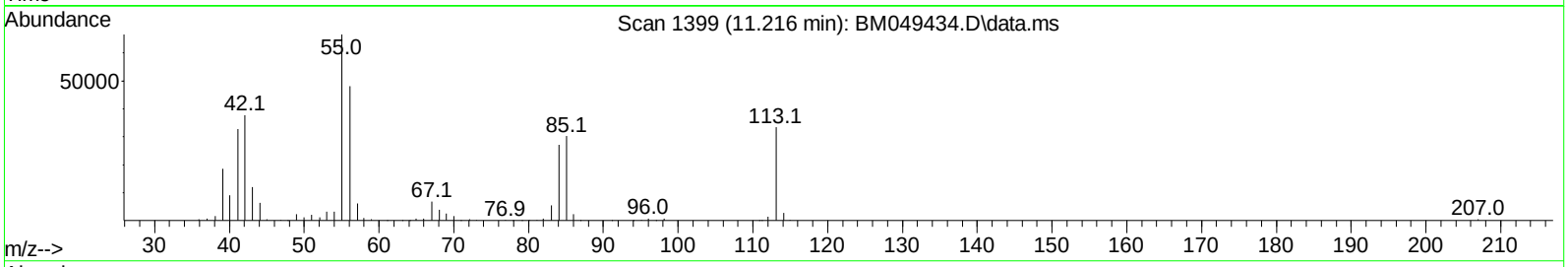


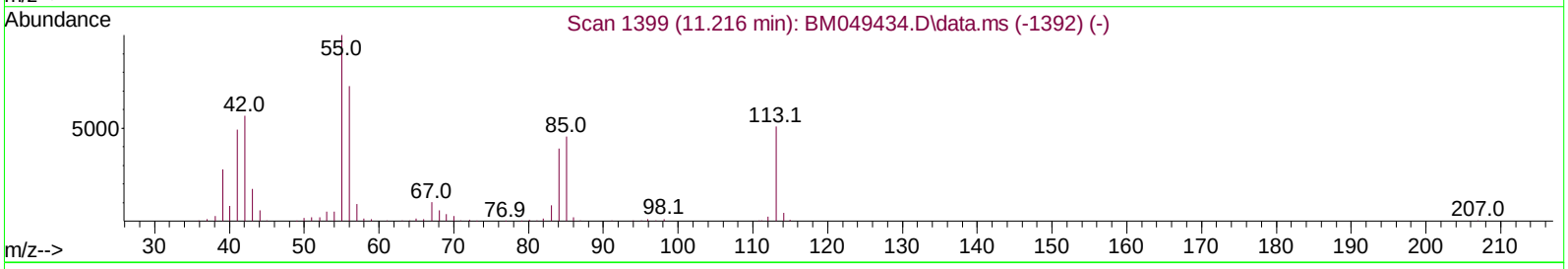


TIC: BM049434.D\data.ms

**(34) Caprolactam**

**11.216min (-0.011) 22.48 ng/ul m**

**response 91748**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 193.90 | 199.09 |
| 56.00 | 143.50 | 144.23 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :mohammad ahmed 01/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.517 | 152 | 205468 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.275 | 136 | 791170 | 20.000 | ng/ul | -0.01 |
| 38) Acenaphthene-d10 | 14.157 | 164 | 560520 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.910 | 188 | 1222911 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.139 | 240 | 1419053 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.921 | 264 | 1488779 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.117 | 96 | 43854 | 8.831 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.505 | 84 | 341500 | 21.602 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.711 | 99 | 363239 | 21.060 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.864 | 67 | 253644 | 22.085 | ng/ul | -0.01 |
| 11) 2-Chlorophenol-d4 | 7.058 | 132 | 281065 | 21.302 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.228 | 113 | 274865 | 20.551 | ng/ul | -0.01 |
| 21) Nitrobenzene-d5 | 8.658 | 128 | 130101 | 21.564 | ng/ul | -0.01 |
| 24) 2-Nitrophenol-d4 | 9.375 | 143 | 149525 | 22.170 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.911 | 165 | 302928 | 22.011 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.422 | 131 | 378186 | 20.883 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.581 | 166 | 888284 | 21.292 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.846 | 160 | 1027394 | 21.572 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.381 | 143 | 150316 | 21.758 | ng/ul | -0.01 |
| 60) Fluorene-d10 | 15.157 | 176 | 808127 | 22.423 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.287 | 200 | 160979 | 20.655 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.004 | 188 | 1324554 | 21.910 | ng/ul | -0.01 |
| 81) Pyrene-d10 | 19.310 | 212 | 1646052 | 19.060 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 23.733 | 264 | 1706842 | 21.357 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.152 | 88 | 49533 | 9.105 | ng/uL | 96 |
| 5) Pyridine | 3.523 | 79 | 359771 | 22.512 | ng/ul | 94 |
| 6) Benzaldehyde | 6.670 | 77 | 250514 | 26.940 | ng/ul | 100 |
| 8) Phenol | 6.734 | 94 | 382710 | 21.341 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 6.958 | 93 | 311027 | 21.298 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.087 | 128 | 290985 | 21.217 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.964 | 108 | 268938 | 20.526 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034 | 45 | 512724 | 23.427 | ng/ul | 99 |
| 16) Acetophenone | 8.328 | 105 | 464559 | 21.267 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.322 | 70 | 256441 | 21.734 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.293 | 108 | 295909 | 20.614 | ng/ul | 96 |
| 19) Hexachloroethane | 8.575 | 117 | 125280 | 21.260 | ng/ul | 97 |
| 22) Nitrobenzene | 8.699 | 77 | 351898 | 22.514 | ng/ul | 98 |
| 23) Isophorone | 9.228 | 82 | 658417 | 21.680 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.405 | 139 | 165374 | 22.310 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.475 | 107 | 299782 | 21.609 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.711 | 93 | 404972 | 21.696 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 9.934 | 162 | 303604 | 22.142 | ng/ul | 98 |
| 30) Naphthalene | 10.328 | 128 | 894736 | 21.309 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.446 | 127 | 362426 | 20.987 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.616 | 225 | 218779 | 22.346 | ng/ul | 99 |
| 34) Caprolactam | 11.216 | 113 | 91748m | 22.477 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.581 | 107 | 282393 | 22.026 | ng/ul | 100 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.946 | 142 | 644129 | 21.438 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.169 | 142 | 637263 | 21.317 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.322 | 216 | 419267 | 21.610 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.304 | 237 | 241889 | 20.780 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.575 | 196 | 267078 | 22.377 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.646 | 196 | 283106 | 22.131 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 12.981 | 154 | 872722 | 21.266 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.016 | 162 | 700710 | 21.350 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.234 | 65 | 200964 | 23.206 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.628 | 163 | 879778 | 21.318 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.740 | 165 | 167914 | 21.809 | ng/ul | 98 |
| 50) Acenaphthylene | 13.875 | 152 | 1045204 | 21.407 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.069 | 138 | 165565 | 21.917 | ng/ul | 94 |
| 52) Acenaphthene | 14.222 | 153 | 746315 | 21.394 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.281 | 184 | 96454 | 20.003 | ng/ul | 95 |
| 55) 4-Nitrophenol | 14.398 | 109 | 112938 | 22.169 | ng/ul | 98 |
| 56) Dibenzofuran | 14.557 | 168 | 1087917 | 21.961 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.534 | 165 | 253513 | 22.189 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.793 | 232 | 243209 | 22.507 | ng/ul | 95 |
| 59) Diethylphthalate | 15.004 | 149 | 865885 | 21.529 | ng/ul | 99 |
| 61) Fluorene | 15.210 | 166 | 925221 | 22.859 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.216 | 204 | 496633 | 22.514 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.240 | 138 | 173435 | 25.517 | ng/ul | 100 |
| 66) 4,6-Dinitro-2-methylph... | 15.298 | 198 | 175216 | 20.619 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.434 | 169 | 757519 | 20.877 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.110 | 248 | 288410 | 20.741 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.216 | 284 | 335621 | 20.752 | ng/ul | 99 |
| 70) Atrazine | 16.398 | 200 | 319375 | 21.529 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.563 | 266 | 223009 | 20.814 | ng/ul | 97 |
| 72) Phenanthrene | 16.951 | 178 | 1457361 | 21.436 | ng/ul | 99 |
| 74) Anthracene | 17.039 | 178 | 1493577 | 21.887 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 12.940 | 216 | 410317 | 20.076 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.481 | 250 | 413030 | 20.247 | ng/uL | 100 |
| 77) Carbazole | 17.316 | 167 | 1342768 | 22.178 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.898 | 149 | 1672544 | 22.546 | ng/ul | 100 |
| 80) Fluoranthene | 18.975 | 202 | 1856320 | 18.706 | ng/ul | 98 |
| 82) Pyrene | 19.339 | 202 | 2041666 | 19.328 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.269 | 149 | 789650 | 21.114 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.063 | 252 | 617711 | 23.246 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.122 | 228 | 2107535 | 21.311 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.074 | 149 | 1179763 | 21.211 | ng/ul | 99 |
| 87) Chrysene | 21.180 | 228 | 1935154 | 21.435 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.139 | 149 | 1997301 | 18.416 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.051 | 252 | 2056347 | 20.636 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.110 | 252 | 2015382 | 20.284 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.792 | 252 | 1919236 | 21.323 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.004 | 276 | 2336806 | 22.633 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 27.056 | 278 | 1909321 | 22.704 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.962 | 276 | 1773249 | 23.006 | ng/ul | 99 |

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

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