Quantitation Report (Qedit)

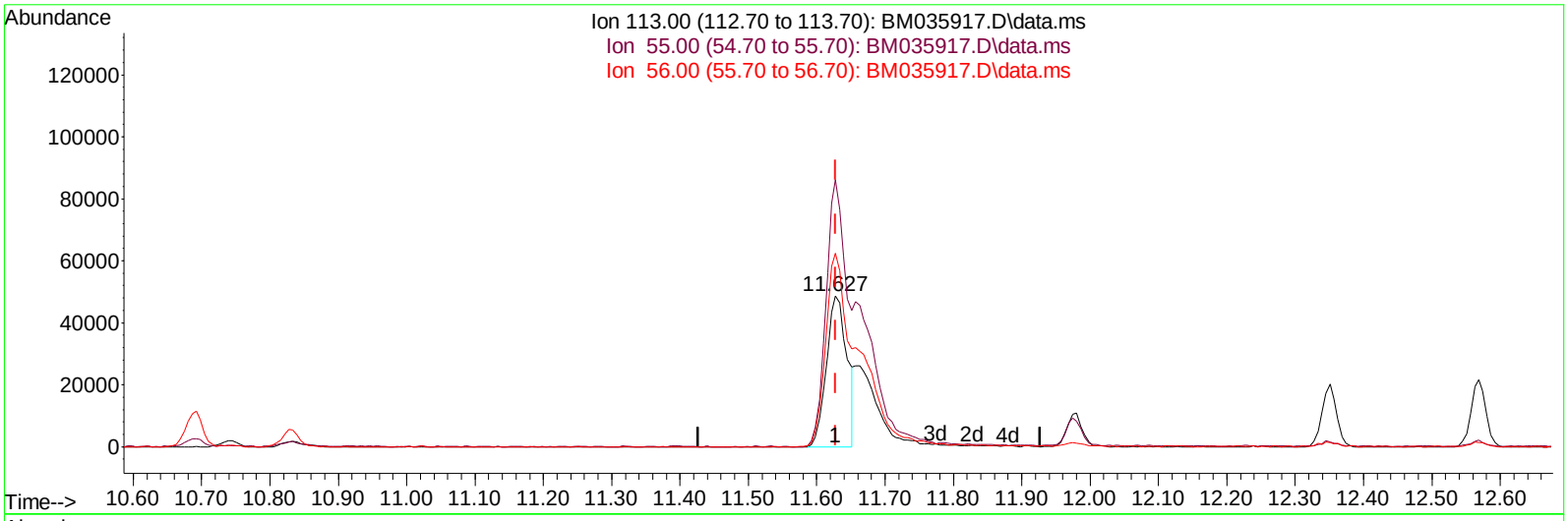
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072622\
Data File : BM035917.D
Acq On : 26 Jul 2022 09:41
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

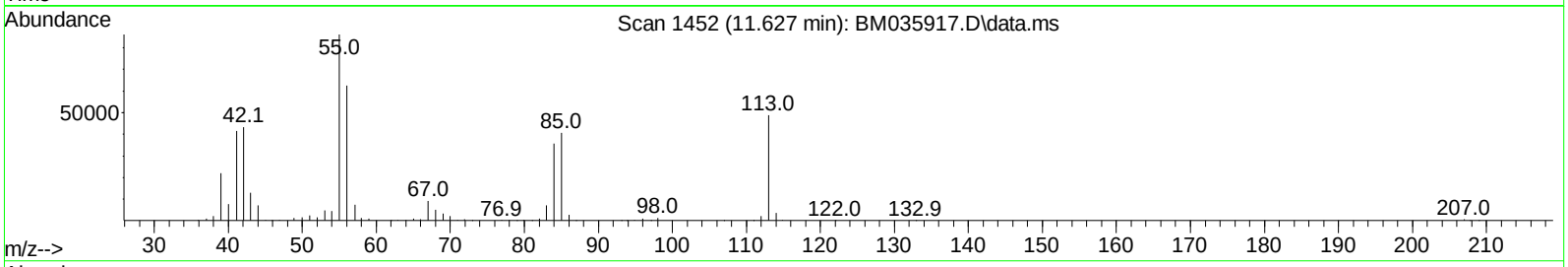
Quant Time: Jul 26 14:04:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM072522.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 25 14:55:39 2022
Response via : Initial Calibration

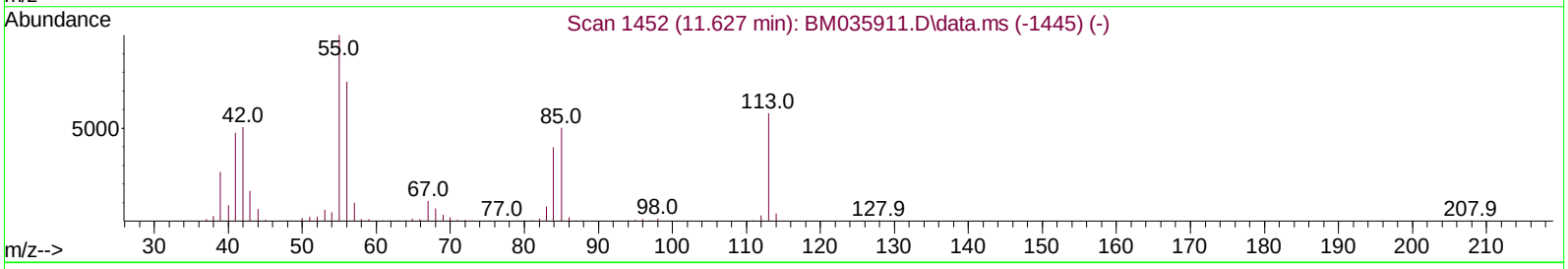
**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/27/2022
Supervised By :mohammad ahmed 07/27/2022




TIC: BM035917.D\data.ms

**(34) Caprolactam**

**11.627min (+ 0.000) 12.78 ng/ul**

**response 101837**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 187.80 | 176.72 |
| 56.00 | 127.60 | 128.02 |
| 0.00 | 0.00 | 0.00 |

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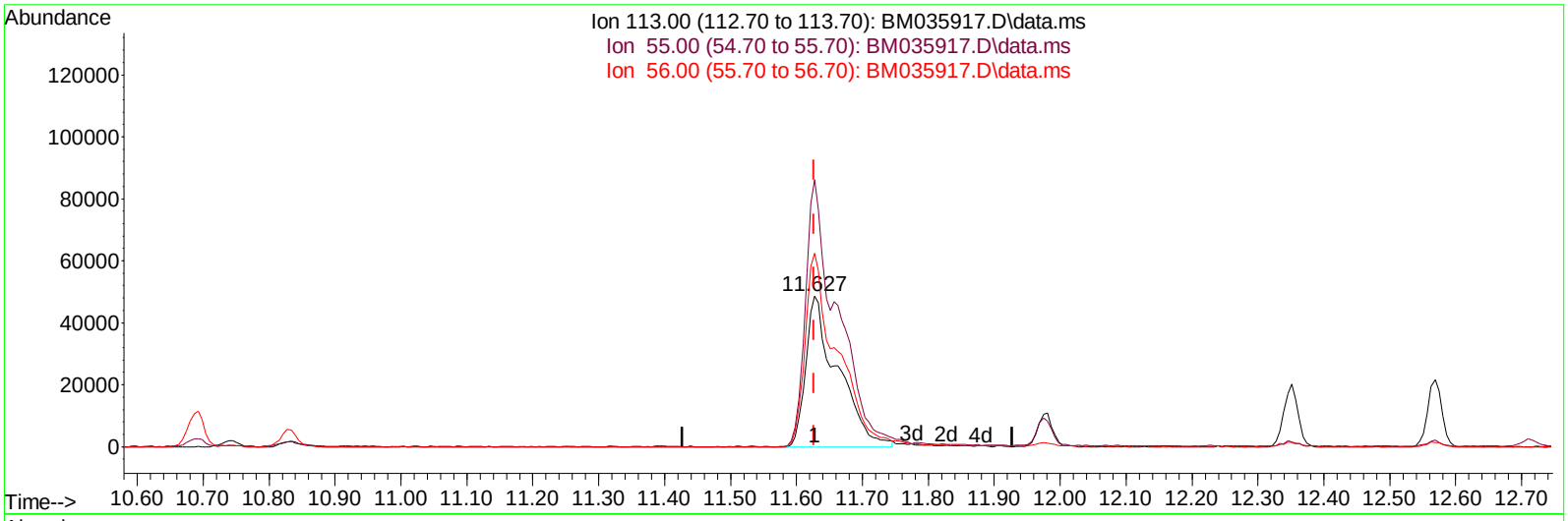


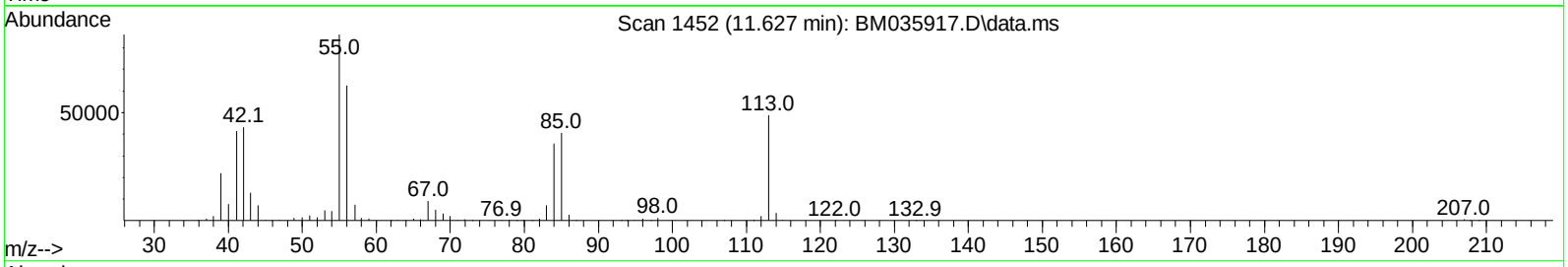


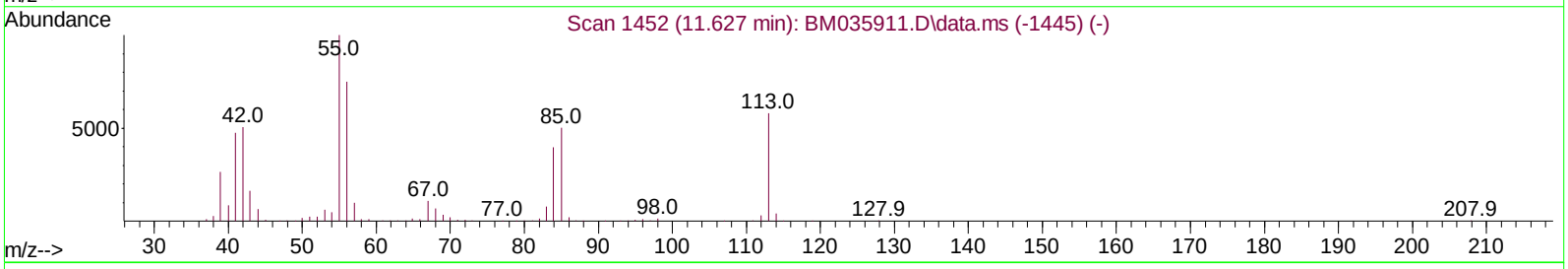


TIC: BM035917.D\data.ms

**(34) Caprolactam**

**11.627min (+ 0.000) 20.53 ng/ul m**

**response 163532**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 187.80 | 176.72 |
| 56.00 | 127.60 | 128.02 |
| 0.00 | 0.00 | 0.00 |

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

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Supervised By :mohammad ahmed 07/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.881 | 152 | 367181 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.692 | 136 | 1663338 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.521 | 164 | 1050952 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 2179982 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.433 | 240 | 2096752 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.803 | 264 | 1985880 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.275 | 96 | 82030 | 8.407 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.699 | 84 | 551161 | 20.618 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.045 | 99 | 629161 | 20.433 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.216 | 67 | 446068 | 21.731 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.410 | 132 | 540474 | 21.146 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.598 | 113 | 524822 | 21.039 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.051 | 128 | 277008 | 21.017 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.775 | 143 | 264523 | 20.599 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.310 | 165 | 490461 | 21.118 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.828 | 131 | 873306 | 22.212 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.939 | 166 | 1532419 | 21.406 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.216 | 160 | 1928886 | 21.118 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.716 | 143 | 296472 | 20.167 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.510 | 176 | 1398710 | 21.622 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.627 | 200 | 215184 | 18.363 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.357 | 188 | 2106337 | 21.371 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.645 | 212 | 2425122 | 20.869 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.650 | 264 | 2093787 | 20.767 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.310 | 88 | 84106 | 8.317 | ng/uL# | 96 |
| 5) Pyridine | 3.716 | 79 | 593954 | 21.173 | ng/ul | 88 |
| 6) Benzaldehyde | 7.022 | 77 | 212854 | 16.470 | ng/ul | 94 |
| 8) Phenol | 7.075 | 94 | 704413 | 20.904 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.310 | 93 | 577958 | 21.334 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.445 | 128 | 557246 | 21.254 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.328 | 108 | 523787 | 20.807 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422 | 45 | 780078 | 21.815 | ng/ul | 97 |
| 16) Acetophenone | 8.710 | 105 | 886787 | 22.142 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.704 | 70 | 458193 | 22.942 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.663 | 108 | 575877 | 21.325 | ng/ul | 99 |
| 19) Hexachloroethane | 8.963 | 117 | 230248 | 21.284 | ng/ul | 85 |
| 22) Nitrobenzene | 9.092 | 77 | 649198 | 21.524 | ng/ul | 98 |
| 23) Isophorone | 9.622 | 82 | 1246488 | 21.893 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.804 | 139 | 304177 | 21.351 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.863 | 107 | 620631 | 21.320 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93 | 778716 | 21.686 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.333 | 162 | 513740 | 21.312 | ng/ul | 99 |
| 30) Naphthalene | 10.739 | 128 | 1866026 | 21.254 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.857 | 127 | 876937 | 22.453 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.022 | 225 | 310314 | 20.852 | ng/ul | 99 |
| 34) Caprolactam | 11.627 | 113 | 163532m | 20.527 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.975 | 107 | 556173 | 22.188 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.351 | 142 | 1254567 | 21.841 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.569 | 142 | 1264788 | 21.845 | ng/ul# | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.716 | 216 | 605563 | 20.242 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.692 | 237 | 374517 | 18.797 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.957 | 196 | 394160 | 20.589 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.027 | 196 | 427964 | 20.950 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.357 | 154 | 1670963 | 20.657 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.398 | 162 | 1273619 | 20.516 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.604 | 65 | 370216 | 21.631 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.986 | 163 | 1542423 | 21.420 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.104 | 165 | 308374 | 21.570 | ng/ul | 95 |
| 50) Acenaphthylene | 14.245 | 152 | 2149393 | 21.272 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.427 | 138 | 251018 | 15.887 | ng/ul | 99 |
| 52) Acenaphthene | 14.586 | 153 | 1369533 | 20.893 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.633 | 184 | 146762 | 18.080 | ng/ul | 100 |
| 55) 4-Nitrophenol | 14.733 | 109 | 229309 | 20.395 | ng/ul | 85 |
| 56) Dibenzofuran | 14.916 | 168 | 1937552 | 21.363 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.886 | 165 | 449698 | 22.315 | ng/ul# | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.139 | 232 | 342033 | 21.310 | ng/ul# | 90 |
| 59) Diethylphthalate | 15.345 | 149 | 1582027 | 21.720 | ng/ul | 99 |
| 61) Fluorene | 15.563 | 166 | 1591318 | 21.478 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204 | 756465 | 21.310 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.586 | 138 | 229234 | 15.760 | ng/ul | 91 |
| 66) 4,6-Dinitro-2-methylph... | 15.639 | 198 | 222292 | 18.958 | ng/ul | 92 |
| 67) N-Nitrosodiphenylamine | 15.774 | 169 | 1332347 | 20.789 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.457 | 248 | 446447 | 20.890 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.562 | 284 | 544232 | 20.900 | ng/ul | 98 |
| 70) Atrazine | 16.727 | 200 | 453765 | 20.413 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.904 | 266 | 308243 | 19.377 | ng/ul | 99 |
| 72) Phenanthrene | 17.304 | 178 | 2467307 | 21.117 | ng/ul | 98 |
| 74) Anthracene | 17.392 | 178 | 2518983 | 21.485 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.321 | 216 | 627200 | 18.501 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.833 | 250 | 619079 | 20.146 | ng/uL | 99 |
| 77) Carbazole | 17.662 | 167 | 2297014 | 21.213 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.233 | 149 | 2668695 | 21.843 | ng/ul | 99 |
| 80) Fluoranthene | 19.309 | 202 | 2834766 | 20.417 | ng/ul | 99 |
| 82) Pyrene | 19.674 | 202 | 2939301 | 20.539 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.580 | 149 | 1079431 | 20.739 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.356 | 252 | 771306 | 19.934 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.421 | 228 | 2824500 | 21.402 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.356 | 149 | 1607005 | 21.368 | ng/ul | 99 |
| 87) Chrysene | 21.474 | 228 | 2746924 | 21.332 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.274 | 149 | 2512160 | 19.589 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.080 | 252 | 2706947 | 20.425 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.133 | 252 | 2699681 | 21.466 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.703 | 252 | 2651525 | 21.004 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.268 | 276 | 2755897 | 20.481 | ng/ul | 94 |
| 95) Dibenzo(a,h)anthracene | 26.285 | 278 | 2350388 | 20.360 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 27.026 | 276 | 2265064 | 20.314 | ng/ul | 95 |

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

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