Quantitation Report (Qedit)

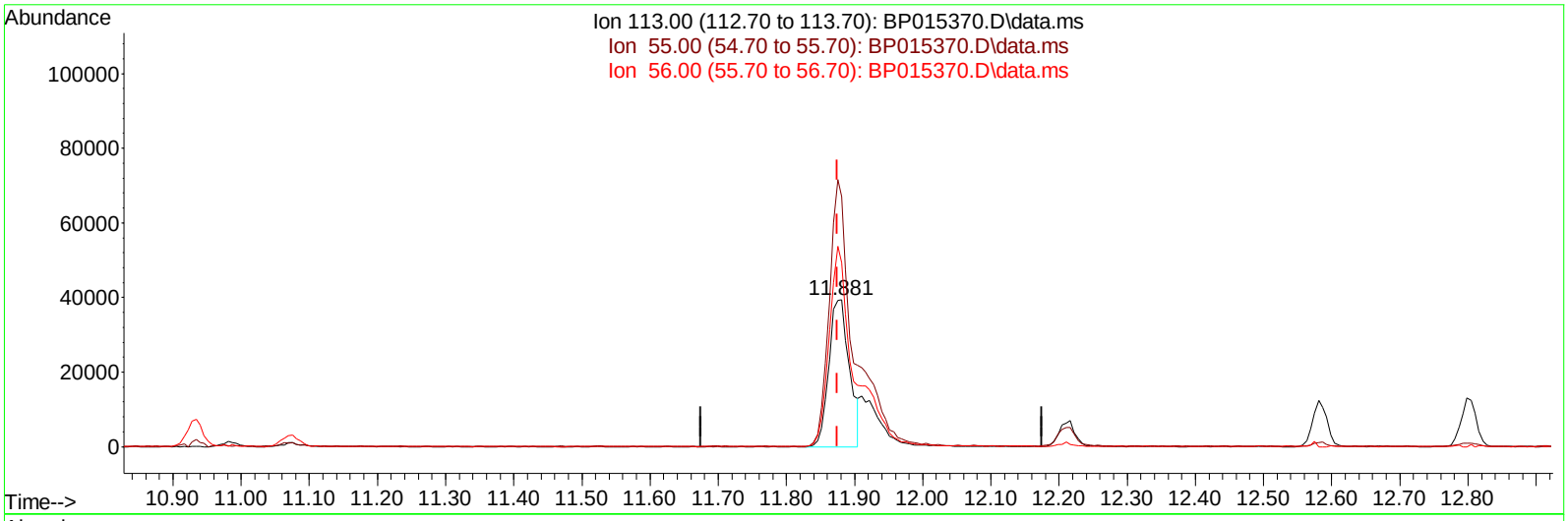
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP053123\
Data File : BP015370.D
Acq On : 31 May 2023 21:38
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 21 Sample Multiplier: 1

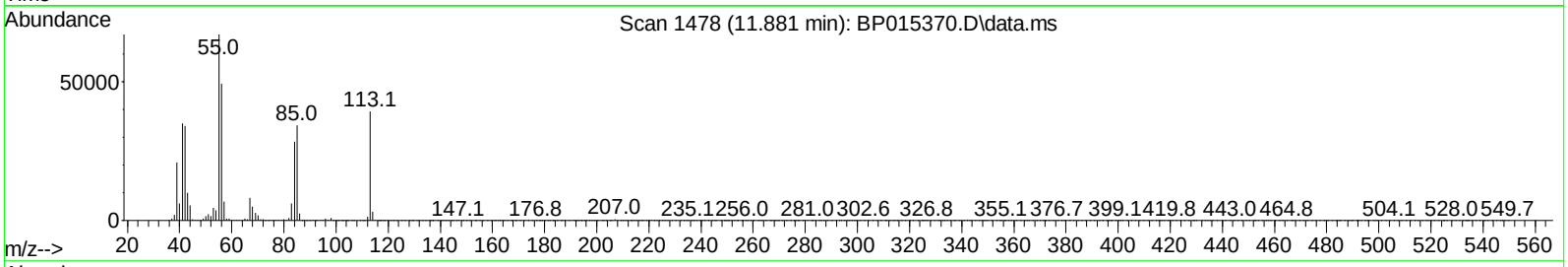
Quant Time: May 31 22:45:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 31 14:24:45 2023
Response via : Initial Calibration

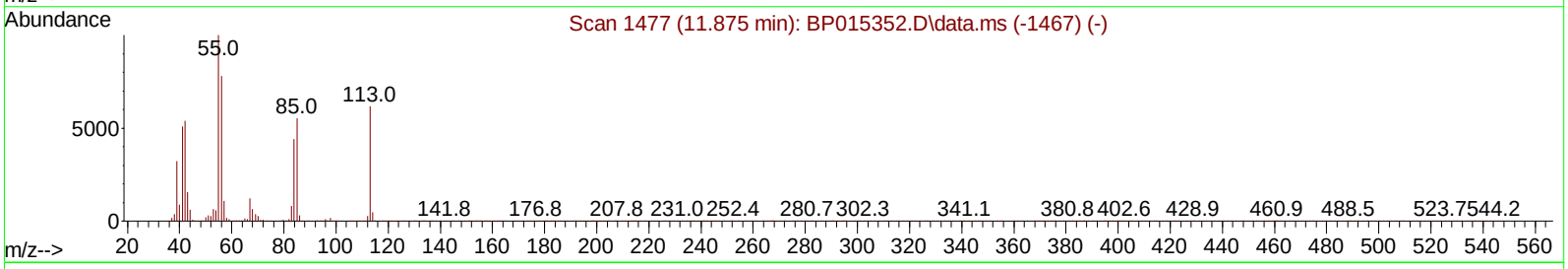
**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023




TIC: BP015370.D\data.ms

**(34) Caprolactam**

**11.881min (+ 0.006) 14.41 ng/ul**

**response 82500**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 151.50 | 170.37 |
| 56.00 | 112.80 | 125.47 |
| 0.00 | 0.00 | 0.00 |

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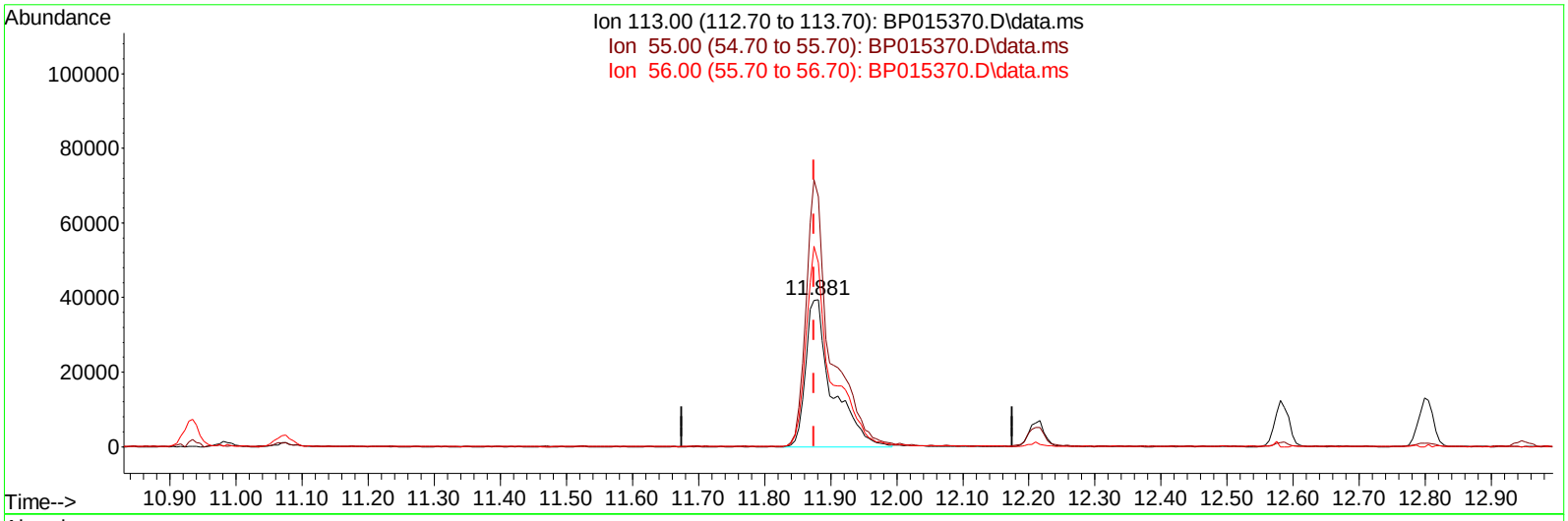


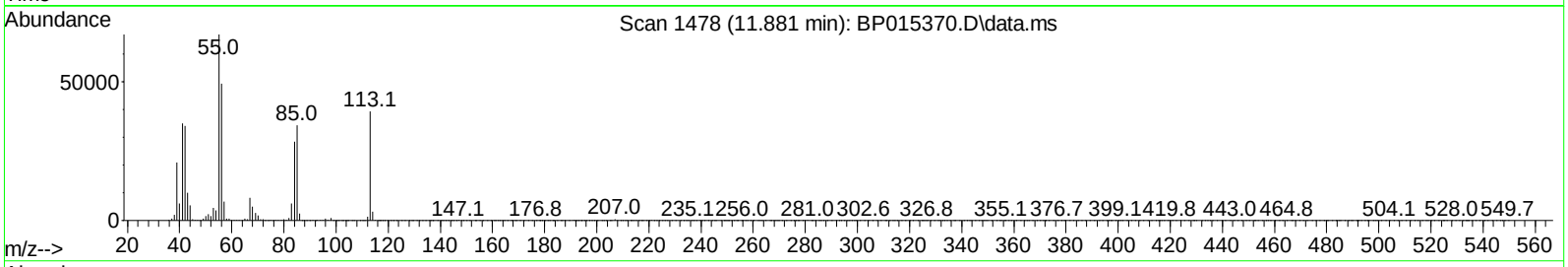


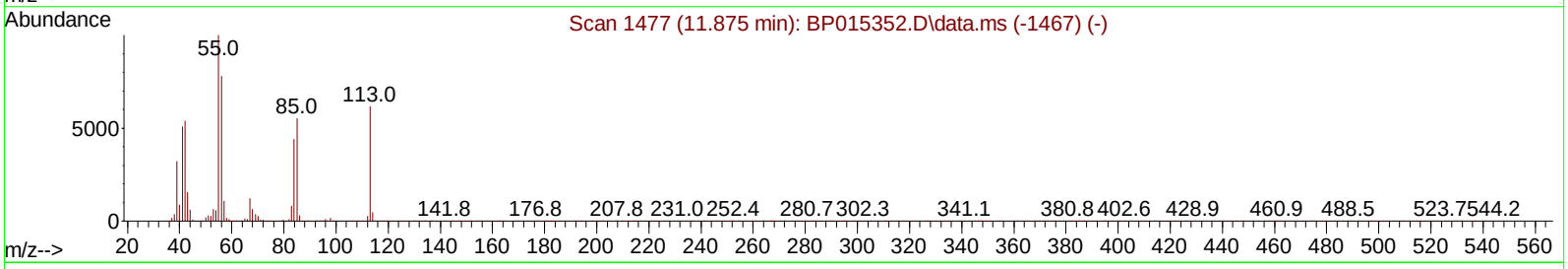


TIC: BP015370.D\data.ms

**(34) Caprolactam**

**11.881min (+ 0.006) 19.15 ng/ul m**

**response 109649**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 151.50 | 170.37 |
| 56.00 | 112.80 | 125.47 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 31 14:24:45 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.105 | 152 | 213002 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.934 | 136 | 953034 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.745 | 164 | 622189 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.504 | 188 | 1417222 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.580 | 240 | 1338029 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.133 | 264 | 1437021 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.411 | 96 | 40048 | 7.305 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.852 | 84 | 288243 | 18.549 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.258 | 99 | 364549 | 18.433 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.422 | 67 | 220319 | 19.289 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.628 | 132 | 278429 | 19.148 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.822 | 113 | 300259 | 19.053 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.281 | 128 | 149133 | 19.914 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.010 | 143 | 174622 | 20.956 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.552 | 165 | 307618 | 20.458 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.069 | 131 | 428019 | 19.239 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.151 | 166 | 949768 | 20.201 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.440 | 160 | 1066789 | 19.839 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.945 | 143 | 171514 | 18.787 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.740 | 176 | 801878 | 20.212 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.863 | 200 | 178368 | 19.971 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.604 | 188 | 1260307 | 19.421 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.822 | 212 | 1474164 | 18.996 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.969 | 264 | 1381716 | 19.369 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.452 | 88 | 44149 | 7.495 | ng/uL# | 95 |
| 5) Pyridine | 3.875 | 79 | 298173 | 18.450 | ng/ul | 94 |
| 6) Benzaldehyde | 7.234 | 77 | 136450 | 25.102 | ng/ul | 98 |
| 8) Phenol | 7.287 | 94 | 378979 | 18.688 | ng/ul# | 89 |
| 10) Bis(2-Chloroethyl)ether | 7.522 | 93 | 303707 | 18.719 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.664 | 128 | 291103 | 18.927 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.552 | 108 | 295484 | 18.852 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.640 | 45 | 396909 | 19.526 | ng/ul | 99 |
| 16) Acetophenone | 8.940 | 105 | 486660 | 19.787 | ng/ul# | 92 |
| 17) N-Nitroso-di-n-propyla... | 8.922 | 70 | 257010 | 19.924 | ng/ul | 91 |
| 18) 4-Methylphenol | 8.881 | 108 | 321501 | 18.636 | ng/ul | 96 |
| 19) Hexachloroethane | 9.193 | 117 | 124521 | 19.828 | ng/ul | 86 |
| 22) Nitrobenzene | 9.322 | 77 | 385889 | 20.863 | ng/ul | 95 |
| 23) Isophorone | 9.852 | 82 | 746132 | 19.626 | ng/ul# | 98 |
| 25) 2-Nitrophenol | 10.040 | 139 | 185875 | 20.342 | ng/ul# | 84 |
| 26) 2,4-Dimethylphenol | 10.099 | 107 | 374018 | 20.512 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.334 | 93 | 436656 | 18.877 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.575 | 162 | 305391 | 20.107 | ng/ul | 99 |
| 30) Naphthalene | 10.987 | 128 | 988242 | 19.073 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.099 | 127 | 441668 | 19.316 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.263 | 225 | 203703 | 22.253 | ng/ul | 98 |
| 34) Caprolactam | 11.881 | 113 | 109649m | 19.149 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.210 | 107 | 357546 | 20.849 | ng/ul | 95 |

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

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.581 | 142 | 682713 | 19.556 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.799 | 142 | 692547 | 19.754 | ng/ul# | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.946 | 216 | 389337 | 20.923 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.922 | 237 | 252359 | 20.931 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.187 | 196 | 267341 | 20.346 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 13.263 | 196 | 285393 | 20.032 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.581 | 154 | 947069 | 19.619 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.628 | 162 | 748063 | 19.843 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.834 | 65 | 247494 | 22.944 | ng/ul | 88 |
| 47) Dimethylphthalate | 14.198 | 163 | 978975 | 19.994 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.328 | 165 | 209906 | 21.638 | ng/ul | 100 |
| 50) Acenaphthylene | 14.469 | 152 | 1171171 | 19.520 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.657 | 138 | 172993 | 19.805 | ng/ul | 94 |
| 52) Acenaphthene | 14.810 | 153 | 809152 | 19.746 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.869 | 184 | 161461 | 25.068 | ng/ul# | 87 |
| 55) 4-Nitrophenol | 14.963 | 109 | 169534 | 25.248 | ng/ul# | 78 |
| 56) Dibenzofuran | 15.145 | 168 | 1131665 | 19.855 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 15.116 | 165 | 302490 | 21.549 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.369 | 232 | 257444 | 21.411 | ng/ul | 99 |
| 59) Diethylphthalate | 15.557 | 149 | 1000331 | 20.483 | ng/ul | 100 |
| 61) Fluorene | 15.798 | 166 | 921019 | 20.108 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.781 | 204 | 463439 | 20.707 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.816 | 138 | 150917 | 20.007 | ng/ul# | 82 |
| 66) 4,6-Dinitro-2-methylph... | 15.881 | 198 | 182288 | 19.776 | ng/ul# | 99 |
| 67) N-Nitrosodiphenylamine | 15.998 | 169 | 796557 | 19.115 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.681 | 248 | 301225 | 20.635 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.804 | 284 | 355479 | 20.607 | ng/ul | 98 |
| 70) Atrazine | 16.951 | 200 | 321869 | 20.897 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.151 | 266 | 221759 | 20.551 | ng/ul | 98 |
| 72) Phenanthrene | 17.545 | 178 | 1482919 | 19.215 | ng/ul | 99 |
| 74) Anthracene | 17.639 | 178 | 1501316 | 19.238 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.551 | 216 | 401528 | 19.982 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.063 | 250 | 410369 | 20.339 | ng/uL | 98 |
| 77) Carbazole | 17.904 | 167 | 1365271 | 19.951 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.434 | 149 | 1739997 | 19.745 | ng/ul | 99 |
| 80) Fluoranthene | 19.498 | 202 | 1822292 | 19.266 | ng/ul | 96 |
| 82) Pyrene | 19.851 | 202 | 1858309 | 19.025 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.704 | 149 | 833337 | 19.245 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.486 | 252 | 626963 | 21.335 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.563 | 228 | 1820456 | 19.677 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149 | 1225413 | 19.657 | ng/ul | 99 |
| 87) Chrysene | 21.622 | 228 | 1714224 | 19.383 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.427 | 149 | 2117290 | 21.513 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.345 | 252 | 1861095 | 20.429 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.398 | 252 | 1722486 | 19.691 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.021 | 252 | 1530599 | 19.008 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.839 | 276 | 1810965 | 17.369 | ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 26.851 | 278 | 1503522 | 17.567 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 27.674 | 276 | 1458176 | 17.151 | ng/ul | 96 |

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

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