Quantitation Report (Qedit)

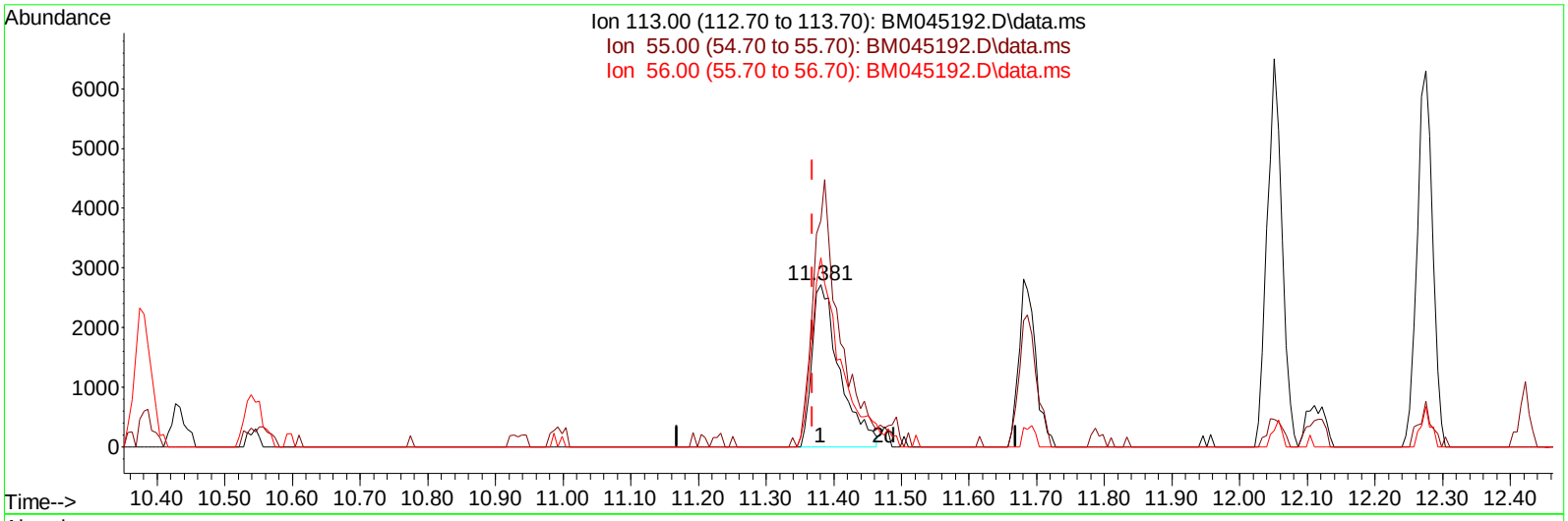
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041124\
Data File : BM045192.D
Acq On : 13 Apr 2024 05:06
Operator : MA/JU
Sample : P1979-03MSD 10X
Misc :
ALS Vial : 56 Sample Multiplier: 1

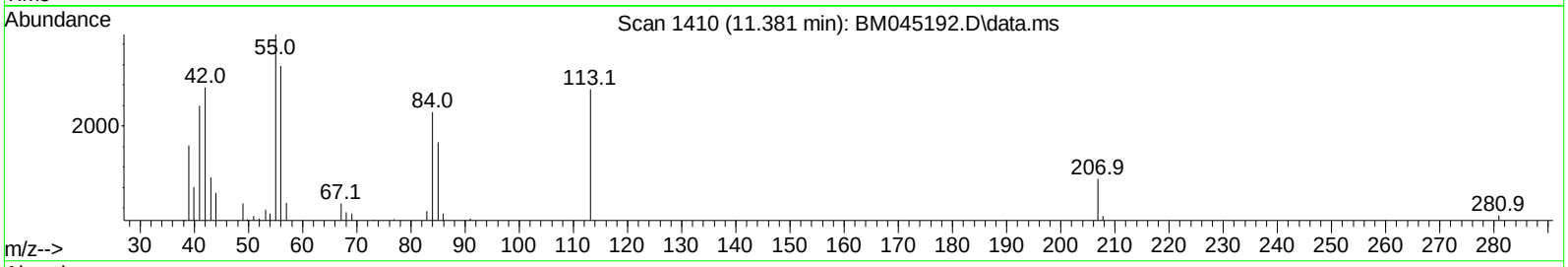
Quant Time: Apr 13 05:35:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 11 18:54:49 2024
Response via : Initial Calibration

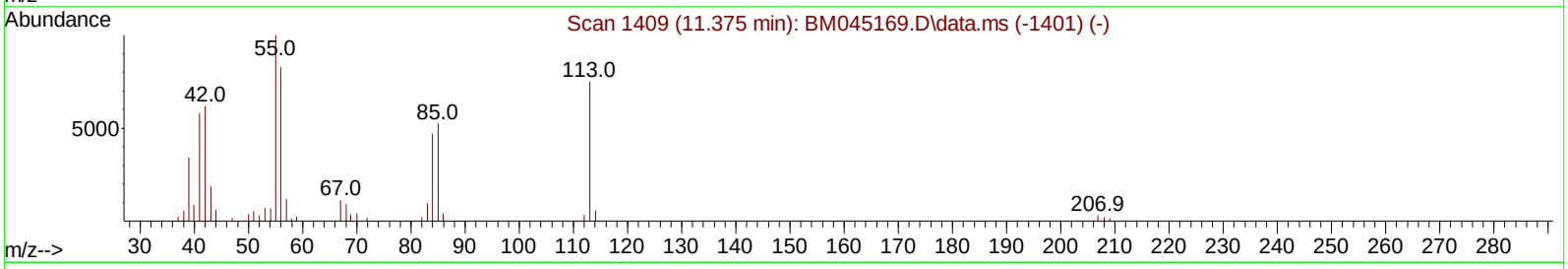
**Instrument :**
BNA_M
**ClientSampleId :**
E0M17MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/16/2024




TIC: BM045192.D\data.ms

**(34) Caprolactam**

**11.381min (+ 0.012) 4.63 ng/ul**

**response 7700**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 156.70 | 139.65 |
| 56.00 | 114.80 | 116.99 |
| 0.00 | 0.00 | 0.00 |

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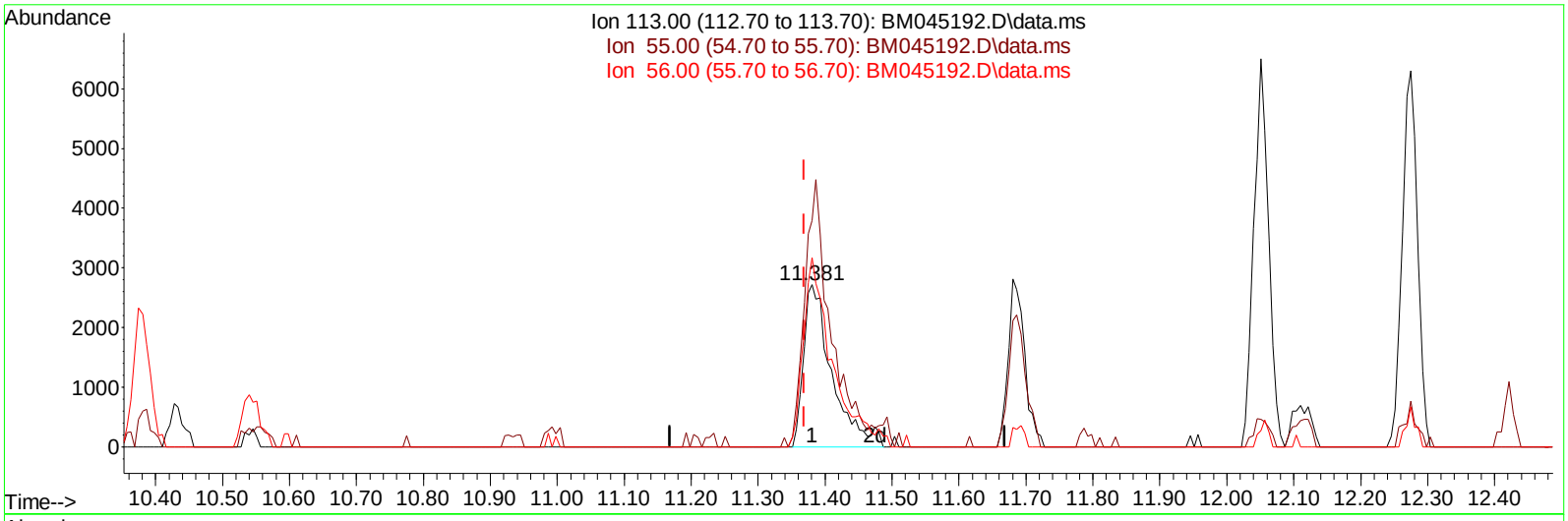


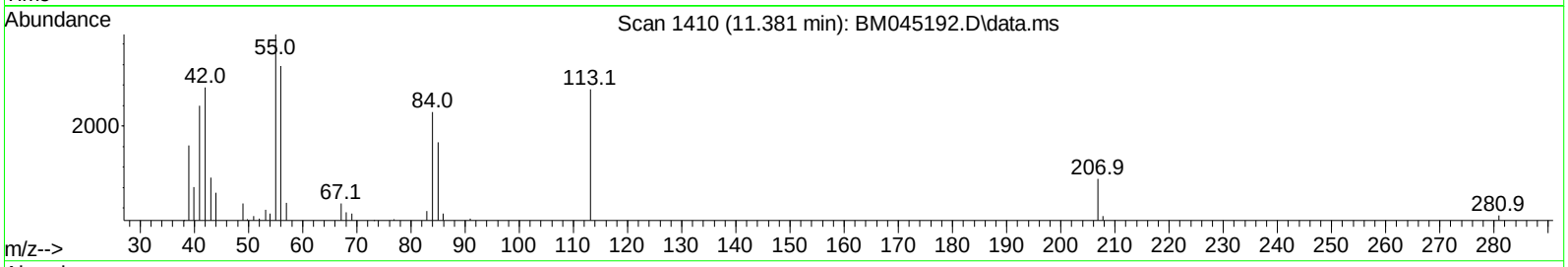


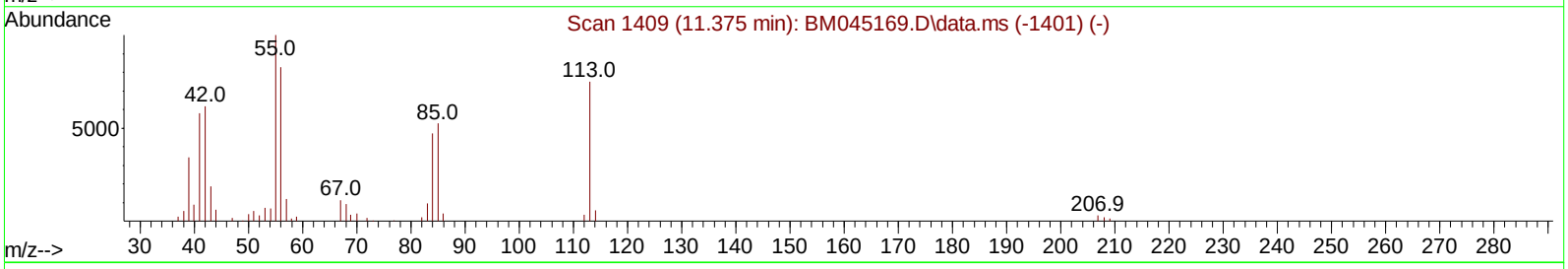


TIC: BM045192.D\data.ms

**(34) Caprolactam**

**11.381min (+ 0.012) 4.80 ng/ul m**

**response 7972**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 156.70 | 139.65 |
| 56.00 | 114.80 | 116.99 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 11 18:54:49 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
E0M17MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/16/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.610 | 152 | 80745 | 20.000 | ng/ul | -0.01 |
| 20) Naphthalene-d8 | 10.381 | 136 | 327730 | 20.000 | ng/ul | -0.01 |
| 38) Acenaphthene-d10 | 14.257 | 164 | 191660 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.015 | 188 | 353673 | 20.000 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.227 | 240 | 245679 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.439 | 264 | 291611 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.205 | 96 | 8939 | 4.134 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.605 | 84 | 38027 | 6.467 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.793 | 99 | 57146 | 8.348 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.969 | 67 | 134482 | 32.975 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.146 | 132 | 148384 | 27.669 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.322 | 113 | 96827 | 18.071 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.775 | 128 | 92896 | 36.902 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.481 | 143 | 98774 | 37.174 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.010 | 165 | 162884 | 33.435 | ng/ul | -0.01 |
| 31) 4-Chloroaniline-d4 | 10.539 | 131 | 124485 | 16.050 | ng/ul | -0.01 |
| 46) Dimethylphthalate-d6 | 13.686 | 166 | 513672 | 38.492 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.951 | 160 | 591597 | 37.526 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.498 | 143 | 20379 | 7.317 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.263 | 176 | 433539 | 36.441 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200 | 76736 | 36.593 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.115 | 188 | 622356 | 39.117 | ng/ul | -0.01 |
| 81) Pyrene-d10 | 19.421 | 212 | 630160 | 52.091 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 23.297 | 264 | 582082 | 40.918 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 11280 | 4.995 | ng/uL# | 1 |
| 5) Pyridine | 3.622 | 79 | 44521 | 7.146 | ng/ul | 100 |
| 6) Benzaldehyde | 6.781 | 77 | 114212 | 35.993 | ng/ul | 99 |
| 8) Phenol | 6.822 | 94 | 56238 | 7.934 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.057 | 93 | 168149 | 30.395 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.175 | 128 | 143959 | 25.582 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.057 | 108 | 103397 | 19.762 | ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.134 | 45 | 198209 | 30.039 | ng/ul | 98 |
| 16) Acetophenone | 8.440 | 105 | 270842 | 31.092 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.422 | 70 | 130542 | 31.739 | ng/ul | 92 |
| 18) 4-Methylphenol | 8.387 | 108 | 96960 | 17.193 | ng/ul | 98 |
| 19) Hexachloroethane | 8.657 | 117 | 72913 | 29.460 | ng/ul | 97 |
| 22) Nitrobenzene | 8.816 | 77 | 210276 | 34.046 | ng/ul | 99 |
| 23) Isophorone | 9.334 | 82 | 374552 | 33.007 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.516 | 139 | 98486 | 33.395 | ng/ul# | 88 |
| 26) 2,4-Dimethylphenol | 9.575 | 107 | 129630 | 22.799 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.822 | 93 | 221326 | 32.900 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.039 | 162 | 148592 | 30.190 | ng/ul | 97 |
| 30) Naphthalene | 10.434 | 128 | 552707 | 31.858 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.563 | 127 | 108053 | 14.317 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.692 | 225 | 94058 | 30.735 | ng/ul | 93 |
| 34) Caprolactam | 11.381 | 113 | 7972m | 4.798 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.686 | 107 | 141536 | 28.928 | ng/ul | 98 |

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**Instrument :**
BNA_M
**ClientSampleId :**
E0M17MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/16/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.051 | 142 | 368755 | 32.553 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.275 | 142 | 369125 | 32.201 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.422 | 216 | 181267 | 34.583 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.386 | 237 | 77282 | 24.356 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.675 | 196 | 120155 | 35.141 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.751 | 196 | 131083 | 34.794 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.086 | 154 | 475094 | 35.104 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.122 | 162 | 381482 | 34.694 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.357 | 65 | 117880 | 38.837 | ng/ul | 95 |
| 47) Dimethylphthalate | 13.733 | 163 | 489721 | 35.110 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.863 | 165 | 103889 | 38.000 | ng/ul | 89 |
| 50) Acenaphthylene | 13.980 | 152 | 633920 | 34.428 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.198 | 138 | 92920 | 31.159 | ng/ul | 96 |
| 52) Acenaphthene | 14.322 | 153 | 428865 | 34.906 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.410 | 184 | 47252 | 29.071 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.510 | 109 | 16131 | 6.586 | ng/ul# | 83 |
| 56) Dibenzofuran | 14.663 | 168 | 566845 | 33.715 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.657 | 165 | 141952 | 34.688 | ng/ul | 86 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.892 | 232 | 104276 | 32.340 | ng/ul | 99 |
| 59) Diethylphthalate | 15.104 | 149 | 485195 | 34.097 | ng/ul | 97 |
| 61) Fluorene | 15.316 | 166 | 475001 | 33.521 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.316 | 204 | 215299 | 32.415 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.368 | 138 | 87620 | 32.317 | ng/ul | 91 |
| 66) 4,6-Dinitro-2-methylph... | 15.421 | 198 | 76278 | 33.966 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.539 | 169 | 369641 | 38.743 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.215 | 248 | 133964 | 38.892 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.310 | 284 | 167818 | 37.454 | ng/ul | 95 |
| 70) Atrazine | 16.504 | 200 | 39362 | 11.216 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.668 | 266 | 83323 | 30.614 | ng/ul | 97 |
| 72) Phenanthrene | 17.063 | 178 | 704721 | 37.027 | ng/ul | 98 |
| 74) Anthracene | 17.157 | 178 | 698034 | 35.854 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.039 | 216 | 180754 | 40.549 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.574 | 250 | 188765 | 39.800 | ng/uL | 98 |
| 77) Carbazole | 17.439 | 167 | 627004 | 33.400 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.004 | 149 | 737173 | 34.820 | ng/ul | 99 |
| 80) Fluoranthene | 19.086 | 202 | 717183 | 50.265 | ng/ul | 99 |
| 82) Pyrene | 19.451 | 202 | 731604 | 47.516 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.380 | 149 | 253976 | 39.370 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.162 | 252 | 128023 | 23.436 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.215 | 228 | 627195 | 37.624 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.156 | 149 | 319311 | 31.666 | ng/ul | 98 |
| 87) Chrysene | 21.268 | 228 | 586379 | 37.734 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.039 | 149 | 490542 | 26.736 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.780 | 252 | 652708 | 38.403 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 22.827 | 252 | 619208 | 36.196 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.344 | 252 | 621496 | 37.572 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.662 | 276 | 832427 | 38.850 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 25.680 | 278 | 685554 | 38.268 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 26.338 | 276 | 701565 | 41.504 | ng/ul | 99 |

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

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