



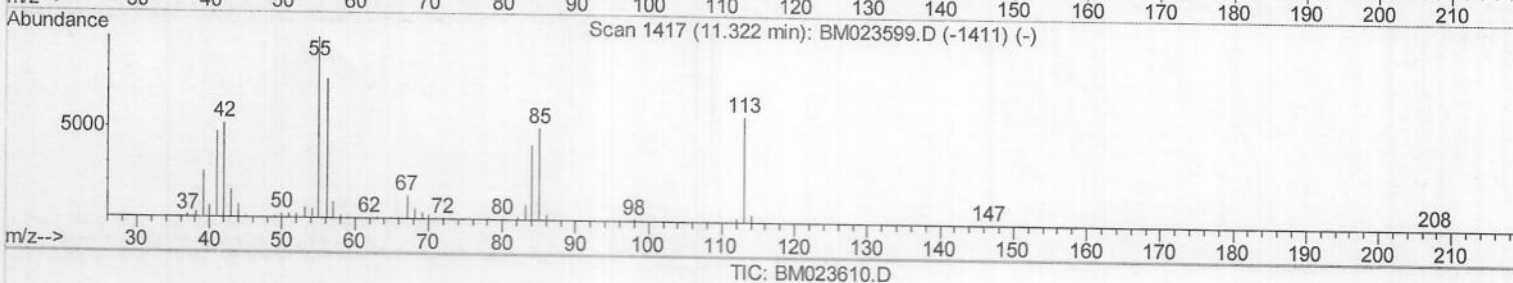
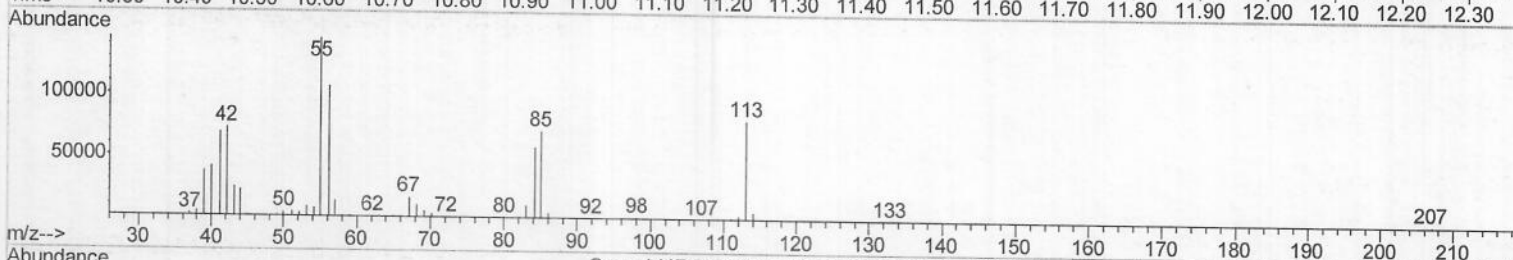
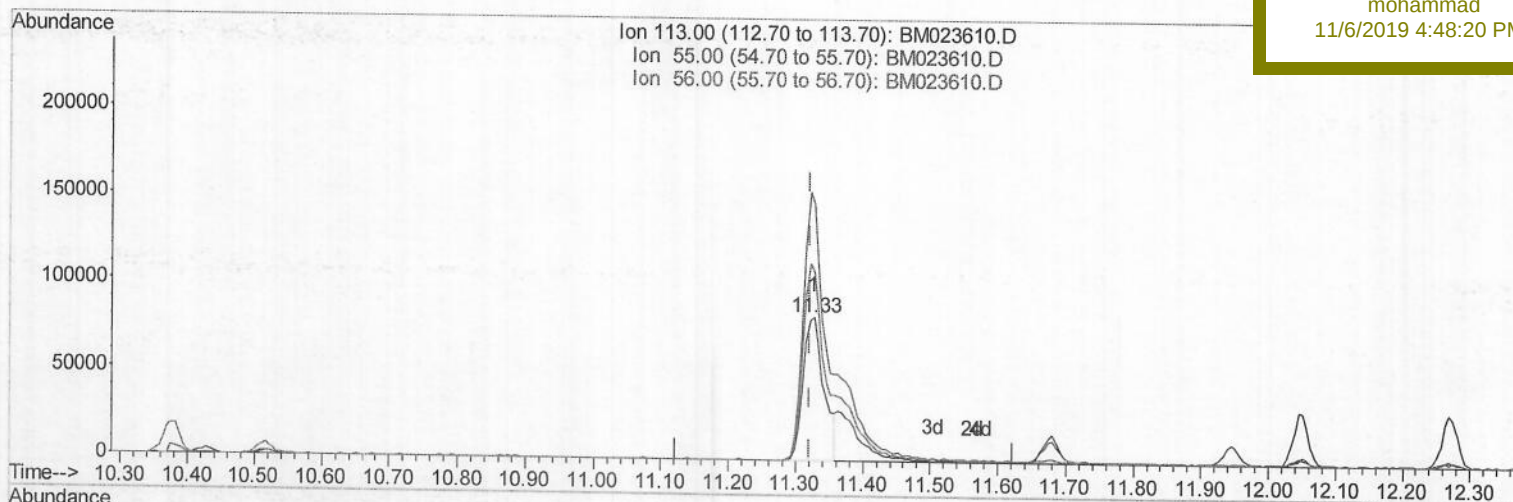
Data File : BM023610.D  
Acq On : 05 Nov 2019 16:36  
Operator : JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 05:51:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 06 05:47:35 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02005

Manual Integrations  
APPROVED

mohammad  
11/6/2019 4:48:20 PM



(32) Caprolactam

11.327min (+0.006) 13.83ng/ul

response 174545

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 166.00 | 179.19 |
| 56.00  | 125.70 | 131.38 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM110519\

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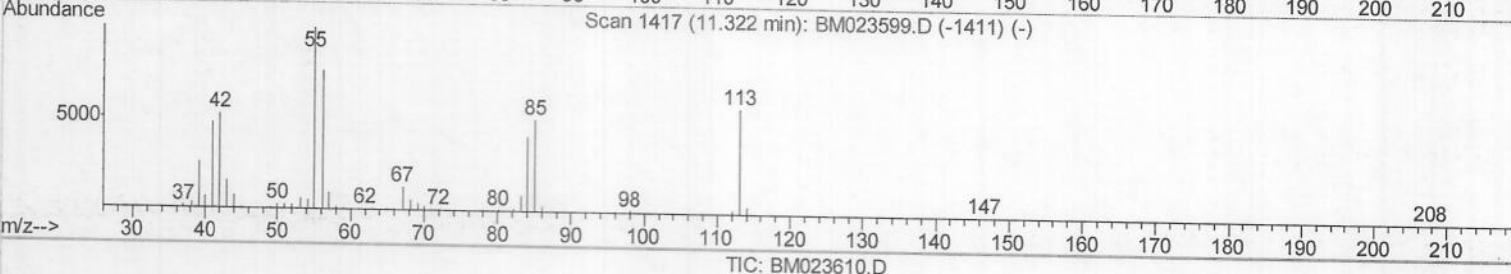
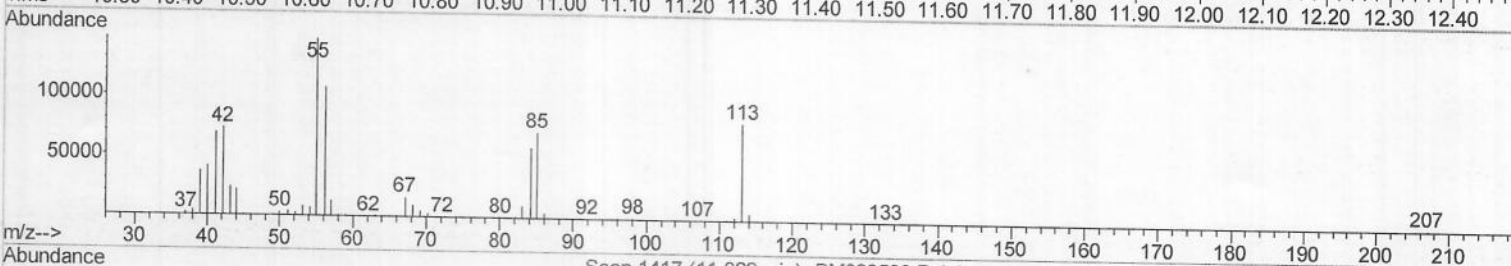
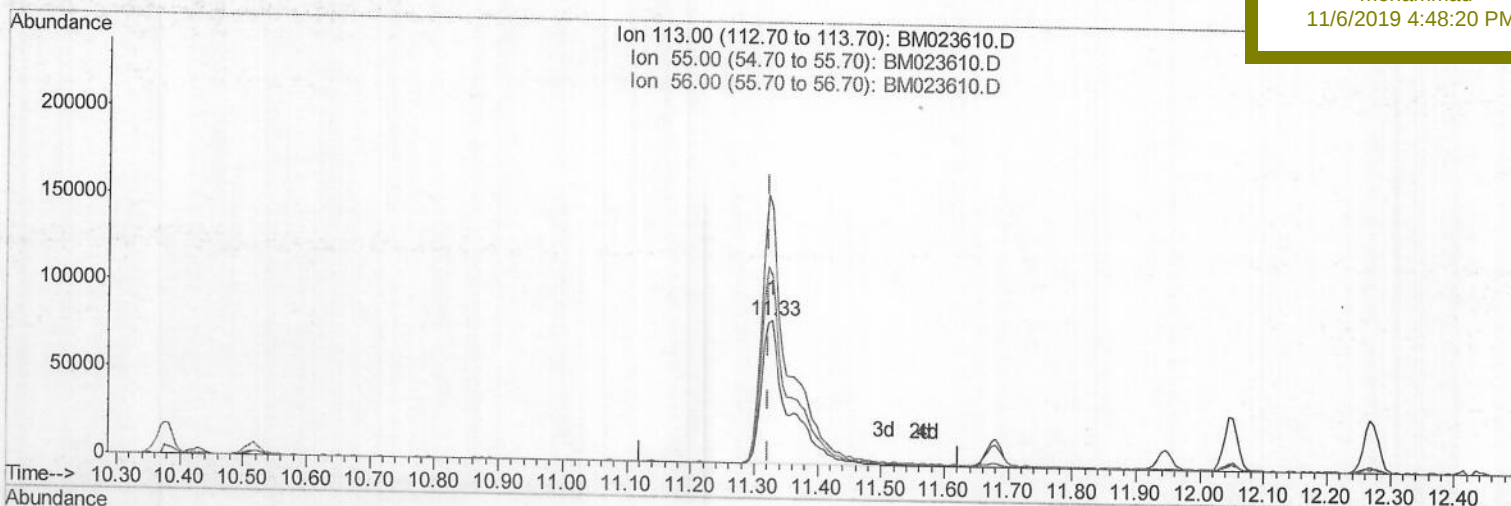
SSTD02005

Manual Integrations

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(32) Caprolactam

11.327min (+0.006) 19.36ng/ul m>JU 11/12/2019

response 244348

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 166.00 | 179.19 |
| 56.00  | 125.70 | 131.38 |
| 0.00   | 0.00   | 0.00   |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 605463   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.37 | 136  | 2539051  | 20.00 | ng/ul | 0.00      |
| 36) Acenaphthene-d10      | 14.25 | 164  | 1569391  | 20.00 | ng/ul | 0.00      |
| 62) Phenanthrene-d10      | 17.00 | 188  | 3279155  | 20.00 | ng/ul | 0.00      |
| 78) Chrysene-d12          | 21.20 | 240  | 3457252  | 20.00 | ng/ul | 0.00      |
| 86) Perylene-d12          | 23.39 | 264  | 4079638  | 20.00 | ng/ul | 0.00      |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 97327   | 7.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 987879  | 19.43 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 615028  | 20.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.14  | 132 | 779895  | 19.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 766635  | 18.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 384330  | 20.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 400855  | 18.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 785579  | 18.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.52 | 131 | 970116  | 20.24 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 2275158 | 19.09 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.94 | 160 | 2775564 | 20.33 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.46 | 143 | 393213  | 19.05 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.24 | 176 | 2018332 | 20.00 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 341002  | 16.70 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.10 | 188 | 3121579 | 20.14 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.40 | 212 | 3434613 | 18.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.25 | 264 | 4145362 | 19.95 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 100140  | 7.382  | ng/uL  | 89  |
| 4) Benzaldehyde                | 6.75  | 77  | 455251  | 15.550 | ng/ul  | 97  |
| 6) Phenol                      | 6.81  | 94  | 1044720 | 19.951 | ng/ul  | 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 829360  | 20.311 | ng/ul  | 99  |
| 10) 2-Chlorophenol             | 7.17  | 128 | 815195  | 19.574 | ng/ul  | 96  |
| 11) 2-Methylphenol             | 8.05  | 108 | 763301  | 19.064 | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 1249345 | 21.427 | ng/ul  | 98  |
| 14) Acetophenone               | 8.42  | 105 | 1293191 | 20.042 | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 679805  | 18.649 | ng/ul  | 97  |
| 16) 4-Methylphenol             | 8.37  | 108 | 843457  | 19.216 | ng/ul  | 99  |
| 17) Hexachloroethane           | 8.67  | 117 | 364319  | 21.019 | ng/ul  | 97  |
| 20) Nitrobenzene               | 8.79  | 77  | 1021330 | 21.814 | ng/ul  | 99  |
| 21) Isophorone                 | 9.32  | 82  | 1836199 | 19.575 | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 9.50  | 139 | 453081  | 19.555 | ng/ul  | 95  |
| 24) 2,4-Dimethylphenol         | 9.57  | 107 | 923994  | 19.312 | ng/ul  | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.80  | 93  | 1136176 | 19.695 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.03 | 162 | 787526  | 19.157 | ng/ul  | 99  |
| 28) Naphthalene                | 10.43 | 128 | 2642829 | 20.308 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.54 | 127 | 1025758 | 20.642 | ng/ul  | 99  |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 526653  | 19.627 | ng/ul  | 99  |
| 32) Caprolactam                | 11.33 | 113 | 244348m | 19.361 | ng/ul  | 97  |
| 33) 4-Chloro-3-methylphenol    | 11.68 | 107 | 850775  | 18.770 | ng/ul  | 98  |
| 34) 2-Methylnaphthalene        | 12.05 | 142 | 1902277 | 19.136 | ng/ul  | 97  |

JU 11/12/2019

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Manual Integrations

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.27 | 142  | 1827083  | 19.046 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216  | 993573   | 20.047 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.41 | 237  | 577815   | 17.576 | ng/ul  | 100      |
| 39) 2,4,6-Trichlorophenol      | 12.67 | 196  | 624476   | 19.338 | ng/ul  | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.75 | 196  | 665489   | 19.208 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.08 | 154  | 2449458  | 20.128 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.12 | 162  | 1897616  | 20.462 | ng/ul  | 100      |
| 43) 2-Nitroaniline             | 13.32 | 65   | 526387   | 20.314 | ng/ul  | 96       |
| 45) Dimethylphthalate          | 13.72 | 163  | 2318840  | 19.379 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 13.83 | 165  | 450491   | 19.004 | ng/ul  | 92       |
| 48) Acenaphthylene             | 13.97 | 152  | 2874167  | 20.309 | ng/ul  | 100      |
| 49) 3-Nitroaniline             | 14.16 | 138  | 397126   | 18.541 | ng/ul  | 98       |
| 50) Acenaphthene               | 14.32 | 153  | 2016004  | 20.250 | ng/ul  | 100      |
| 51) 2,4-Dinitrophenol          | 14.37 | 184  | 229039   | 16.028 | ng/ul  | 95       |
| 53) 4-Nitrophenol              | 14.48 | 109  | 328716   | 19.998 | ng/ul  | 94       |
| 54) Dibenzofuran               | 14.65 | 168  | 2905047  | 20.376 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.62 | 165  | 693264   | 20.174 | ng/ul  | 89       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.89 | 232  | 591322   | 18.712 | ng/ul  | 98       |
| 57) Diethylphthalate           | 15.09 | 149  | 2386785  | 19.773 | ng/ul  | 99       |
| 59) Fluorene                   | 15.30 | 166  | 2356794  | 20.275 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204  | 1198178  | 19.501 | ng/ul  | 99       |
| 61) 4-Nitroaniline             | 15.32 | 138  | 436093   | 18.240 | ng/ul  | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 383194   | 17.094 | ng/ul# | 96       |
| 65) N-Nitrosodiphenylamine     | 15.52 | 169  | 2008420  | 19.416 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.20 | 248  | 777751   | 18.577 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.31 | 284  | 919684   | 19.194 | ng/ul  | 98       |
| 68) Atrazine                   | 16.48 | 200  | 675984   | 17.882 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.66 | 266  | 507825   | 17.844 | ng/ul  | 99       |
| 70) Phenanthrene               | 17.04 | 178  | 3743402  | 20.427 | ng/ul  | 99       |
| 72) Anthracene                 | 17.13 | 178  | 3839275  | 20.678 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.04 | 216  | 963085   | 19.604 | ng/uL  | 100      |
| 74) Pentachlorobenzene         | 14.57 | 250  | 1014950  | 19.280 | ng/uL  | 100      |
| 75) Carbazole                  | 17.40 | 167  | 3386134  | 21.633 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 17.99 | 149  | 3855068  | 19.622 | ng/ul  | 100      |
| 77) Fluoranthene               | 19.06 | 202  | 4347609  | 22.745 | ng/ul  | 97       |
| 80) Pyrene                     | 19.43 | 202  | 4528681  | 18.550 | ng/ul  | 98       |
| 81) Butylbenzylphthalate       | 20.35 | 149  | 1668995  | 16.698 | ng/ul  | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 1279567  | 15.475 | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.19 | 228  | 4649078  | 20.107 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 2464548  | 17.588 | ng/ul  | 100      |
| 85) Chrysene                   | 21.23 | 228  | 4385637  | 20.556 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 22.00 | 149  | 4123245  | 17.184 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.73 | 252  | 5017195  | 19.148 | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene       | 22.78 | 252  | 4847203  | 19.701 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.29 | 252  | 4842574  | 20.415 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.57 | 276  | 6025055  | 23.458 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.59 | 278  | 5026554  | 23.210 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene       | 26.24 | 276  | 4977929  | 23.822 | ng/ul  | 99       |

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Internal Standards

R.T. QIon Response Conc Units Dev(Min)

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