

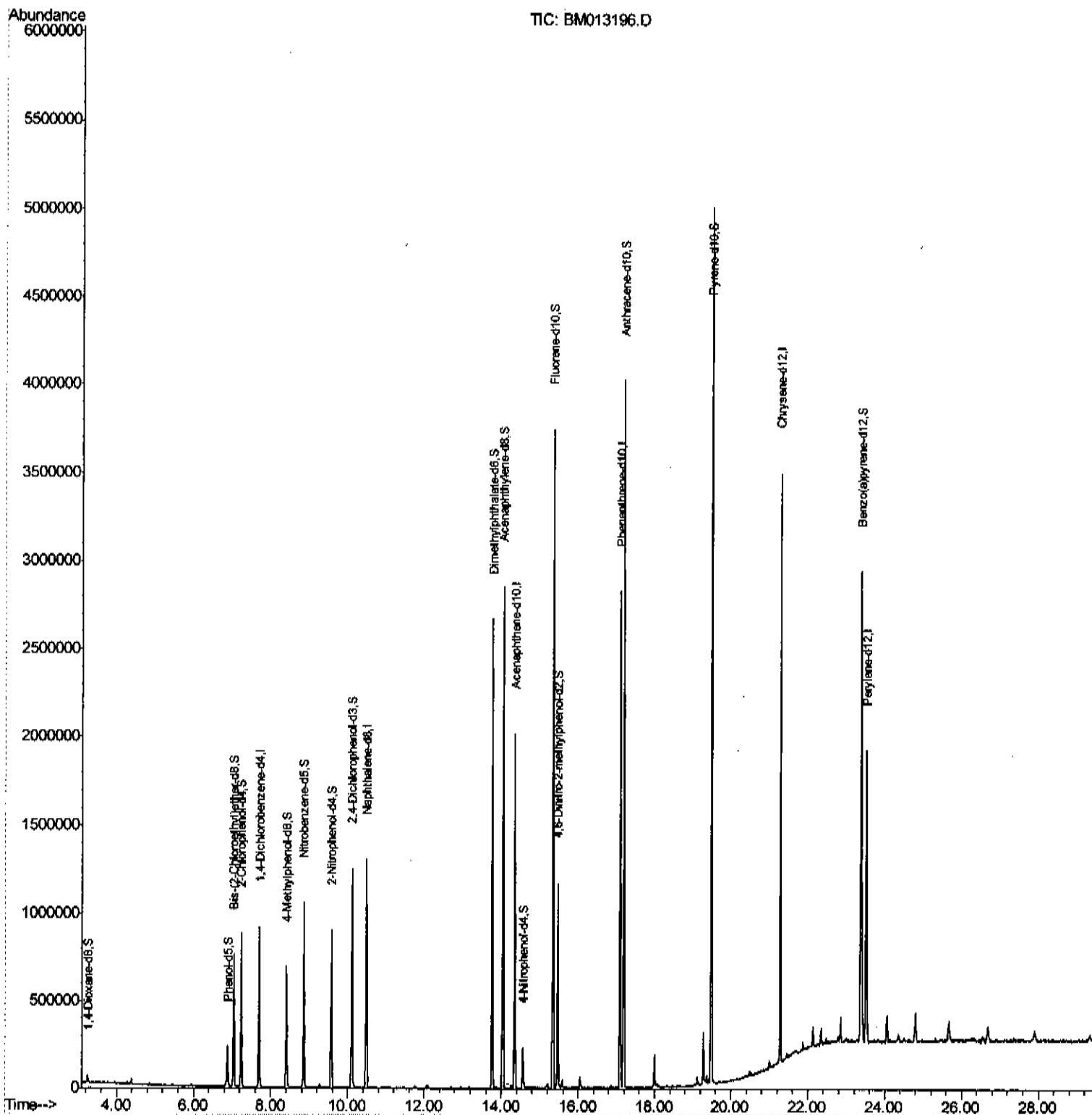
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120517\  
Data File : BM013196.D  
Acq On : 05 Dec 2017 19:31  
Operator : SJ/JU  
Sample : I6689-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
JHPP3

Manual Integrations  
APPROVED

Sohil  
12/6/2017 5:15:07 PM

Quant Time: Dec 06 01:55:40 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 06 01:31:21 2017  
Response via : Initial Calibration



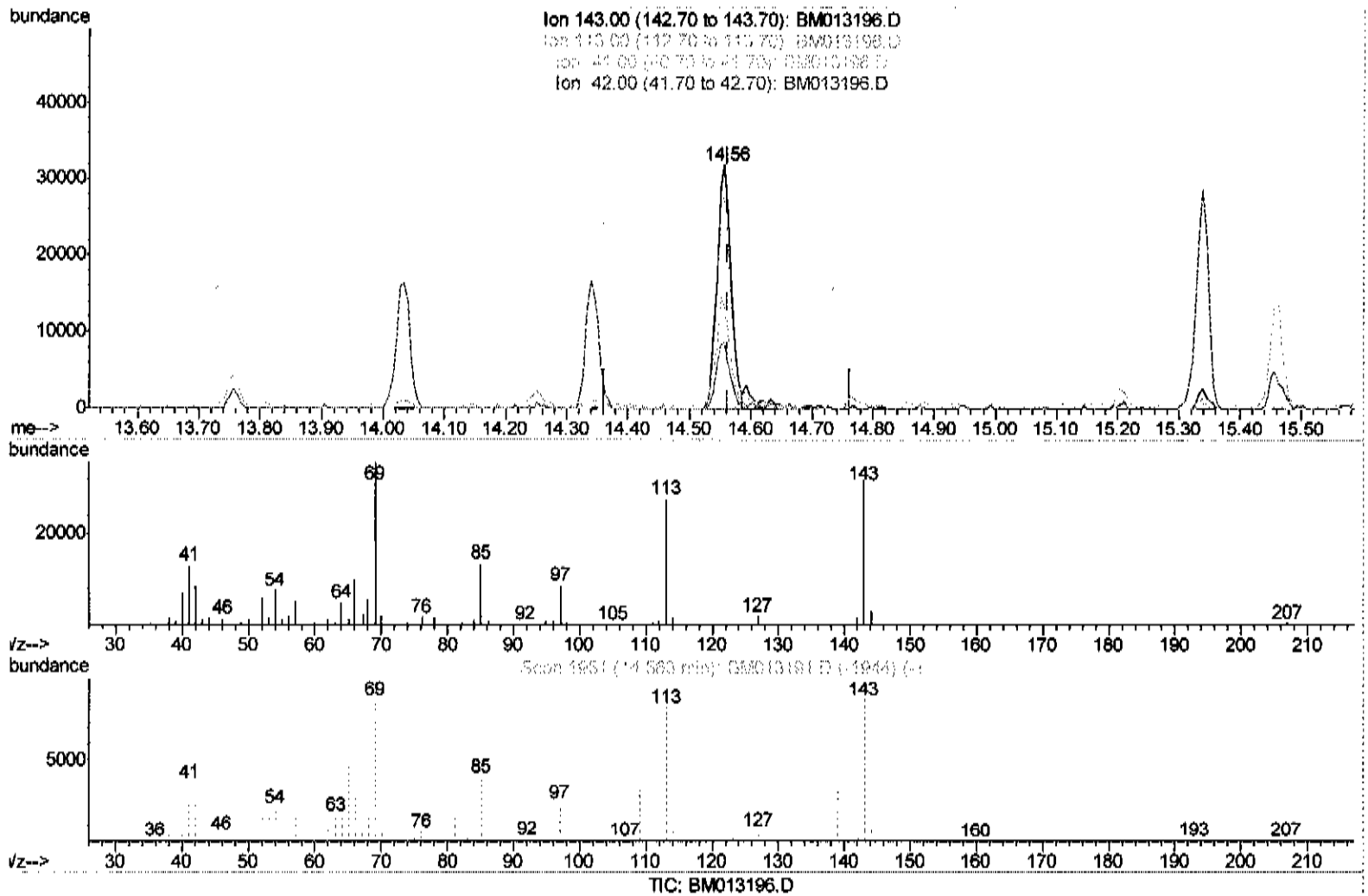
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120517\  
Data File : BM013196.D  
Acq On : 05 Dec 2017 19:31  
Operator : SJ/JU  
Sample : I6689-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHPP3

Manual Integrations  
APPROVED

Sohil  
12/6/2017 5:15:07 PM

Quant Time: Dec 06 01:32:35 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 06 01:31:21 2017  
Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.557min (-0.006) 5.00ng/ul

response 50958

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 114.60 | 86.66# |
| 41.00  | 34.80  | 41.39  |
| 42.00  | 20.50  | 26.80# |

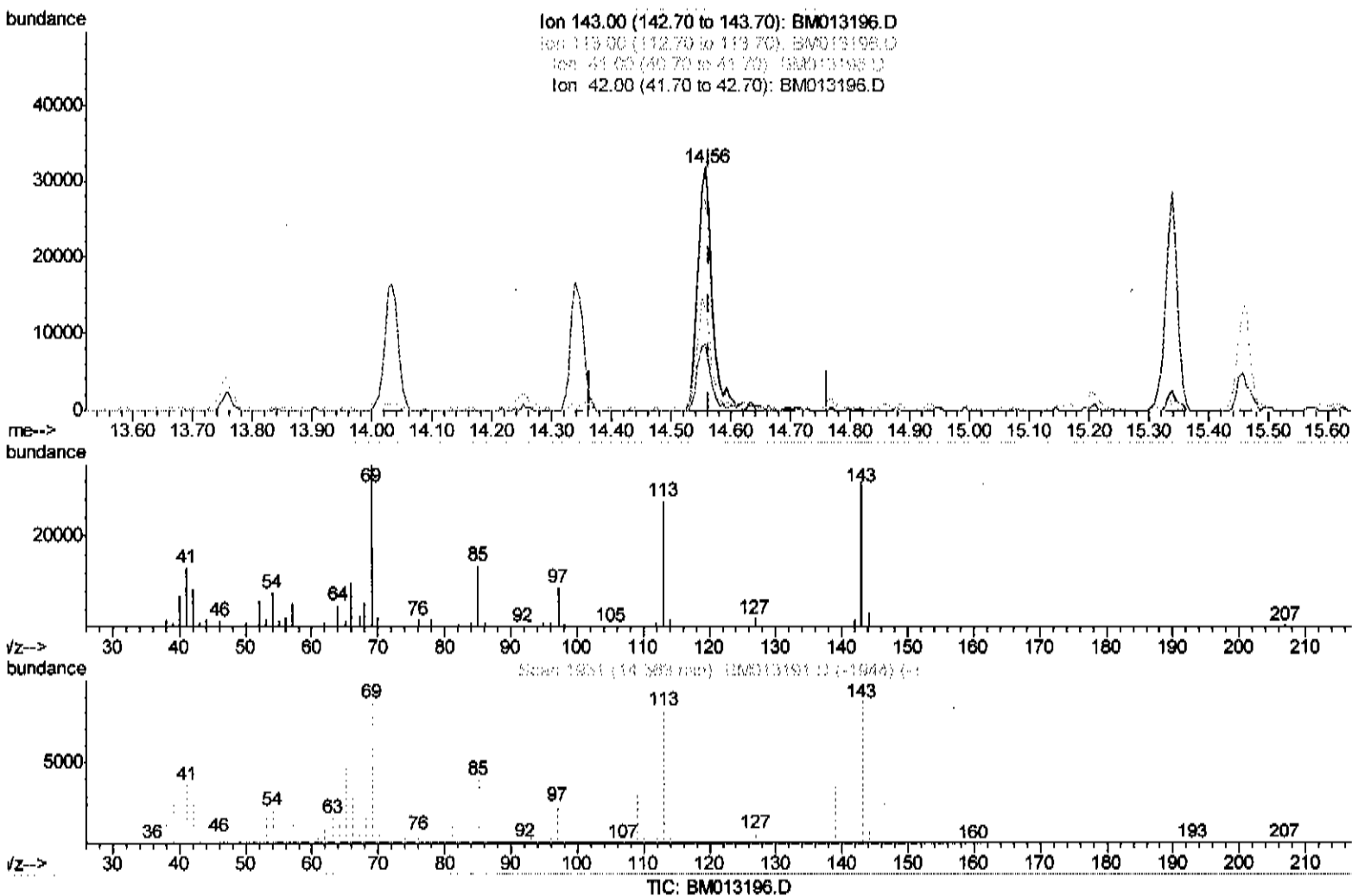
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120517\  
 Data File : BM013196.D  
 Acq On : 05 Dec 2017 19:31  
 Operator : SJ/JU  
 Sample : I6689-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 JHPP3

Manual Integrations  
 APPROVED

Sohil  
 12/6/2017 5:15:07 PM

Quant Time: Dec 06 01:32:35 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 06 01:31:21 2017  
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.557min (-0.006) 5.38ng/ul m *SD 12/07/17*

response 54817

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 114.60 | 86.66# |
| 41.00  | 34.80  | 41.39  |
| 42.00  | 20.50  | 26.80# |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120517\  
 Data File : BM013196.D  
 Acq On : 05 Dec 2017 19:31  
 Operator : SJ/JU  
 Sample : I6689-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHPP3

Manual Integrations  
 APPROVED

Sohil  
 12/6/2017 5:15:07 PM

Quant Time: Dec 06 01:55:40 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 06 01:31:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 228950   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 1019289  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.34 | 164  | 658945   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 1556811  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 1541981  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.50 | 264  | 1216810  | 20.00 | ng/ul | -0.01    |

#### System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 23957   | 5.18  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.88  | 99  | 118057  | 5.96  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 317894  | 28.14 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 352181  | 22.75 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.41  | 113 | 230342  | 13.61 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 237860  | 29.43 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 261243  | 30.19 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 436419  | 24.48 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 444     | 0.03  | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 1664559 | 28.39 | ng/ul | 0.00  |
| 46) Accnaphthylene-d8          | 14.03 | 160 | 1964227 | 27.15 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 54817m  | 5.38  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.34 | 176 | 1426685 | 28.29 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 241003  | 24.61 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.19 | 188 | 2261147 | 29.00 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.49 | 212 | 2462496 | 32.05 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.36 | 264 | 1865086 | 30.09 | ng/ul | -0.01 |

~ SJ12/07/17

| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

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