

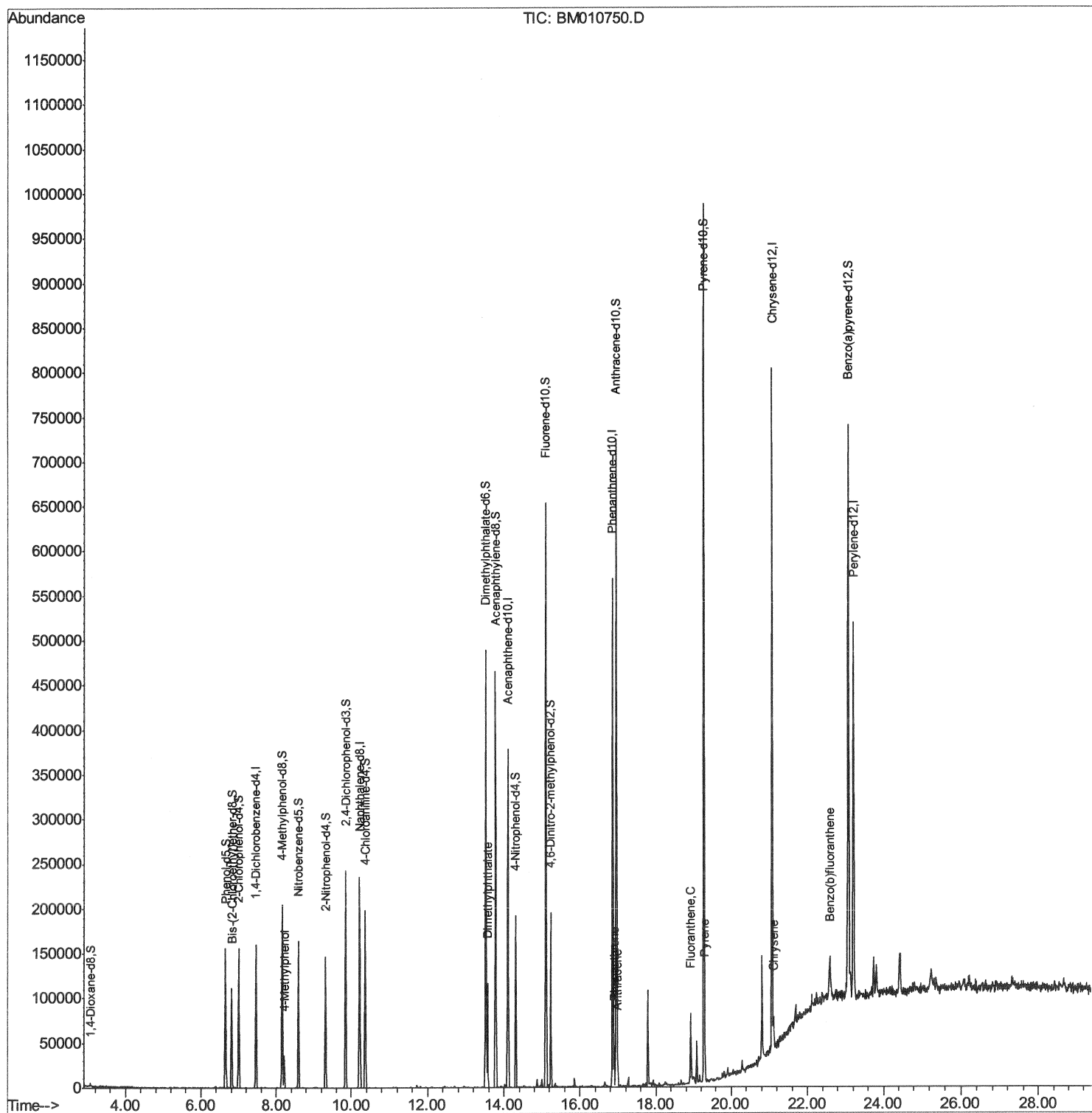
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010750.D  
Acq On : 26 Jun 2017 17:18  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Manual Integrations  
APPROVED

mohammad  
6/28/2017 7:53:20 AM

Quant Time: Jun 27 01:43:55 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 27 01:28:19 2017  
Response via : Initial Calibration



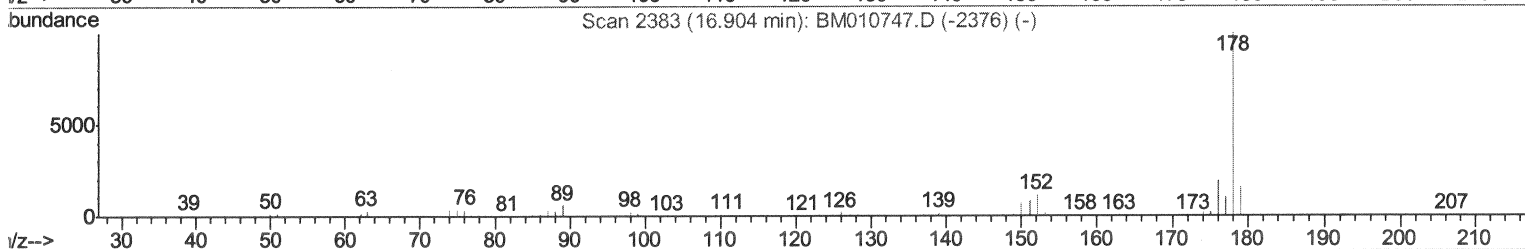
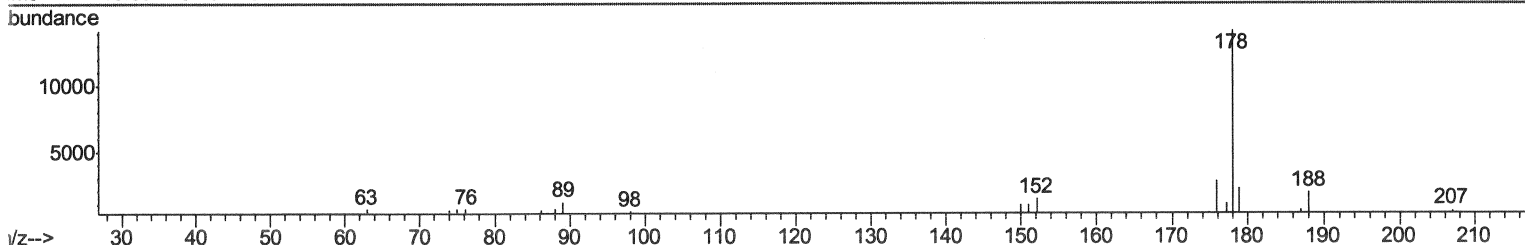
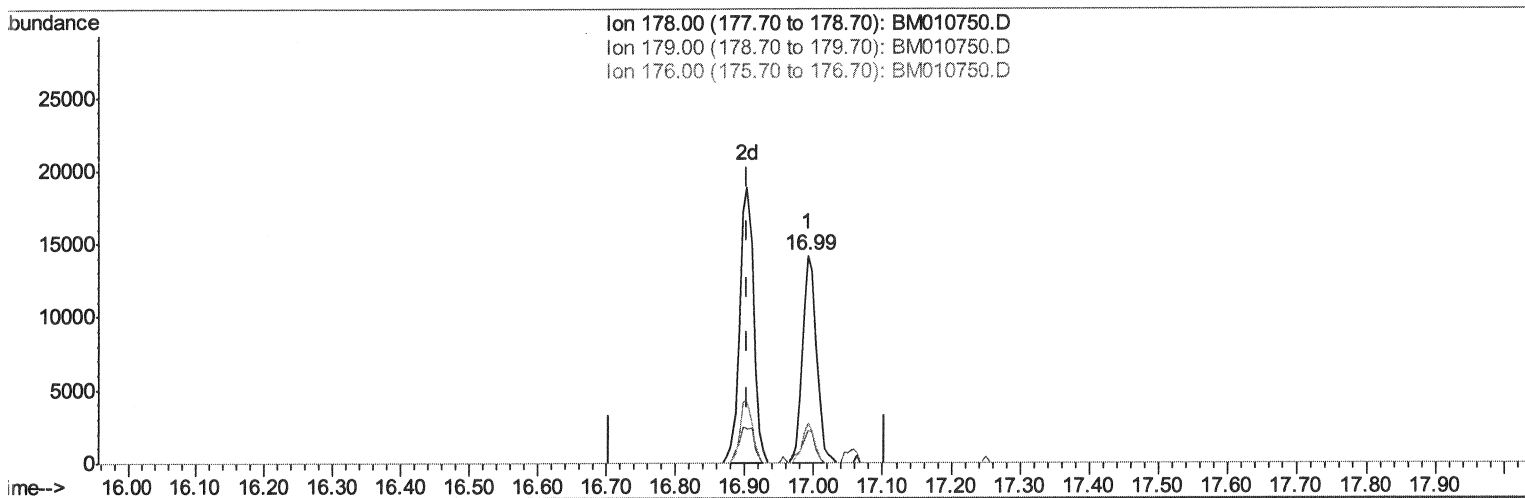
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010750.D  
Acq On : 26 Jun 2017 17:18  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Manual Integrations  
APPROVED

mohammad  
6/28/2017 7:53:20 AM

Quant Time: Jun 27 01:30:29 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 27 01:28:19 2017  
Response via : Initial Calibration



TIC: BM010750.D

(69) Phenanthrene

16.992min (+0.088) 1.30ng/ul

response 20422

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.80 | 15.74 |
| 176.00 | 18.60 | 19.65 |
| 0.00   | 0.00  | 0.00  |

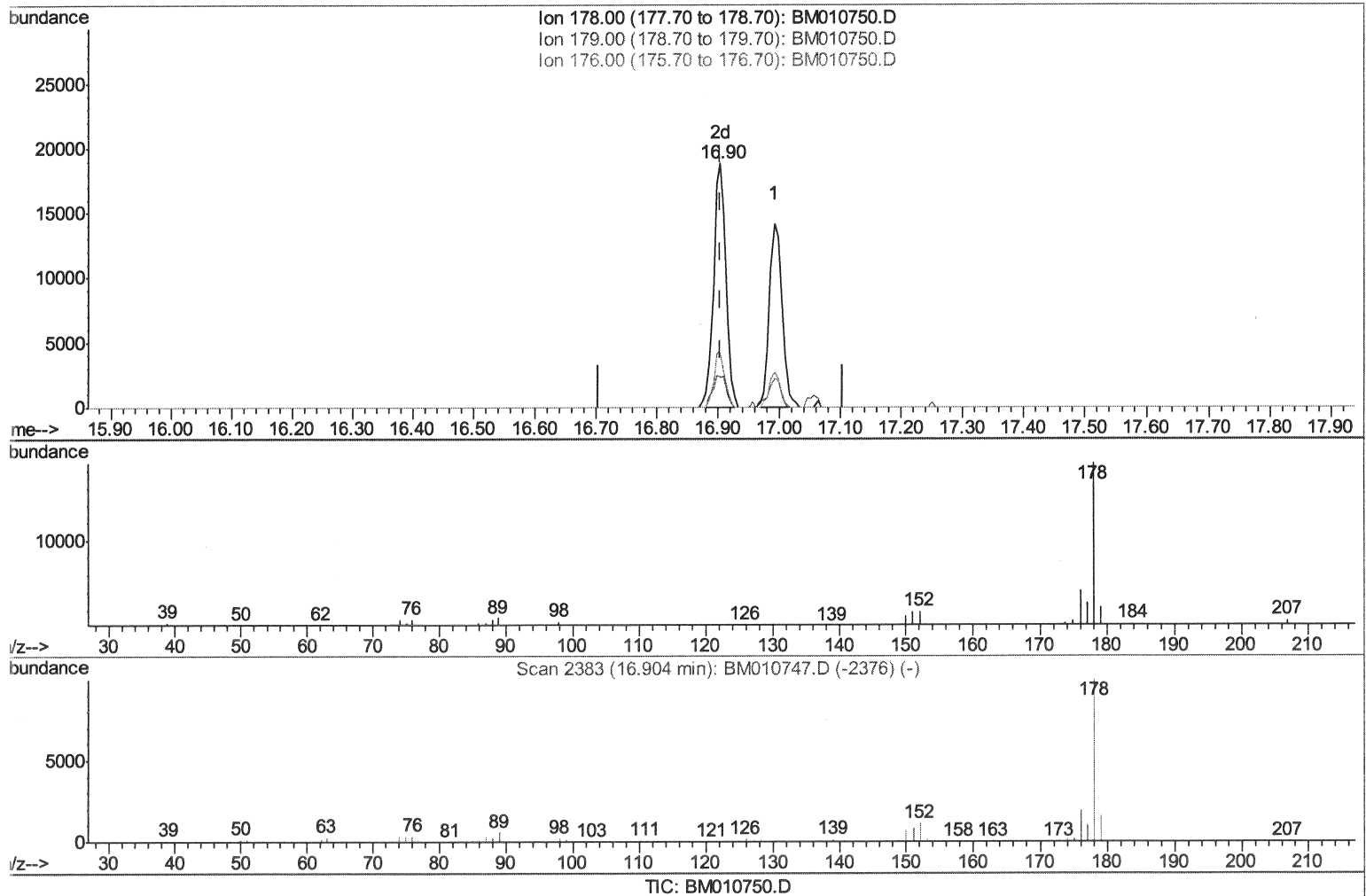
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010750.D  
Acq On : 26 Jun 2017 17:18  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Manual Integrations  
APPROVED

mohammad  
6/28/2017 7:53:20 AM

Quant Time: Jun 27 01:30:29 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 27 01:28:19 2017  
Response via : Initial Calibration



(69) Phenanthrene

16.904min (-0.000) 1.68ng/ul m

response 26397

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.80 | 12.49# |
| 176.00 | 18.60 | 22.30  |
| 0.00   | 0.00  | 0.00   |

SJ  
6/29/17

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062617\  
 Data File : BM010750.D  
 Acq On : 26 Jun 2017 17:18  
 Operator : SJ/JU  
 Sample : I3756-11  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE2

Manual Integrations  
 APPROVED

mohammad  
 6/28/2017 7:53:20 AM

Quant Time: Jun 27 01:43:55 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 27 01:28:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 35194    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 160429   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.10 | 164  | 114003   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.86 | 188  | 295468   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.07 | 240  | 348634   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.21 | 264  | 284420   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 2898   | 4.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 70090  | 20.91 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 43975  | 22.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.99  | 132 | 56941  | 24.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 63201  | 22.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 30416  | 26.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 33711  | 25.57 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 70005  | 25.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 80281  | 27.44 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.53 | 166 | 271169 | 27.10 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.79 | 160 | 301767 | 25.92 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 30484  | 17.31 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.11 | 176 | 230507 | 26.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 37579  | 20.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.96 | 188 | 386678 | 27.10 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.27 | 212 | 484409 | 29.91 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.08 | 264 | 387134 | 28.16 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |         |       | Qvalue |    |
|--------------------------|-------|-----|---------|-------|--------|----|
| 16) 4-Methylphenol       | 8.22  | 108 | 10295   | 3.555 | ng/ul# | 65 |
| 44) Dimethylphthalate    | 13.57 | 163 | 62662   | 6.388 | ng/ul  | 96 |
| 69) Phenanthrene         | 16.90 | 178 | 26397m> | 1.680 | ng/ul  | 97 |
| 71) Anthracene           | 16.99 | 178 | 20422   | 1.262 | ng/ul  | 97 |
| 74) Fluoranthene         | 18.93 | 202 | 44438   | 2.195 | ng/ul# | 98 |
| 77) Pyrene               | 19.30 | 202 | 34756   | 1.726 | ng/ul# | 96 |
| 82) Chrysene             | 21.11 | 228 | 20114   | 1.111 | ng/ul  | 98 |
| 85) Benzo(b)fluoranthene | 22.59 | 252 | 20215   | 1.095 | ng/ul# | 92 |

SJ 6/29/17

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