

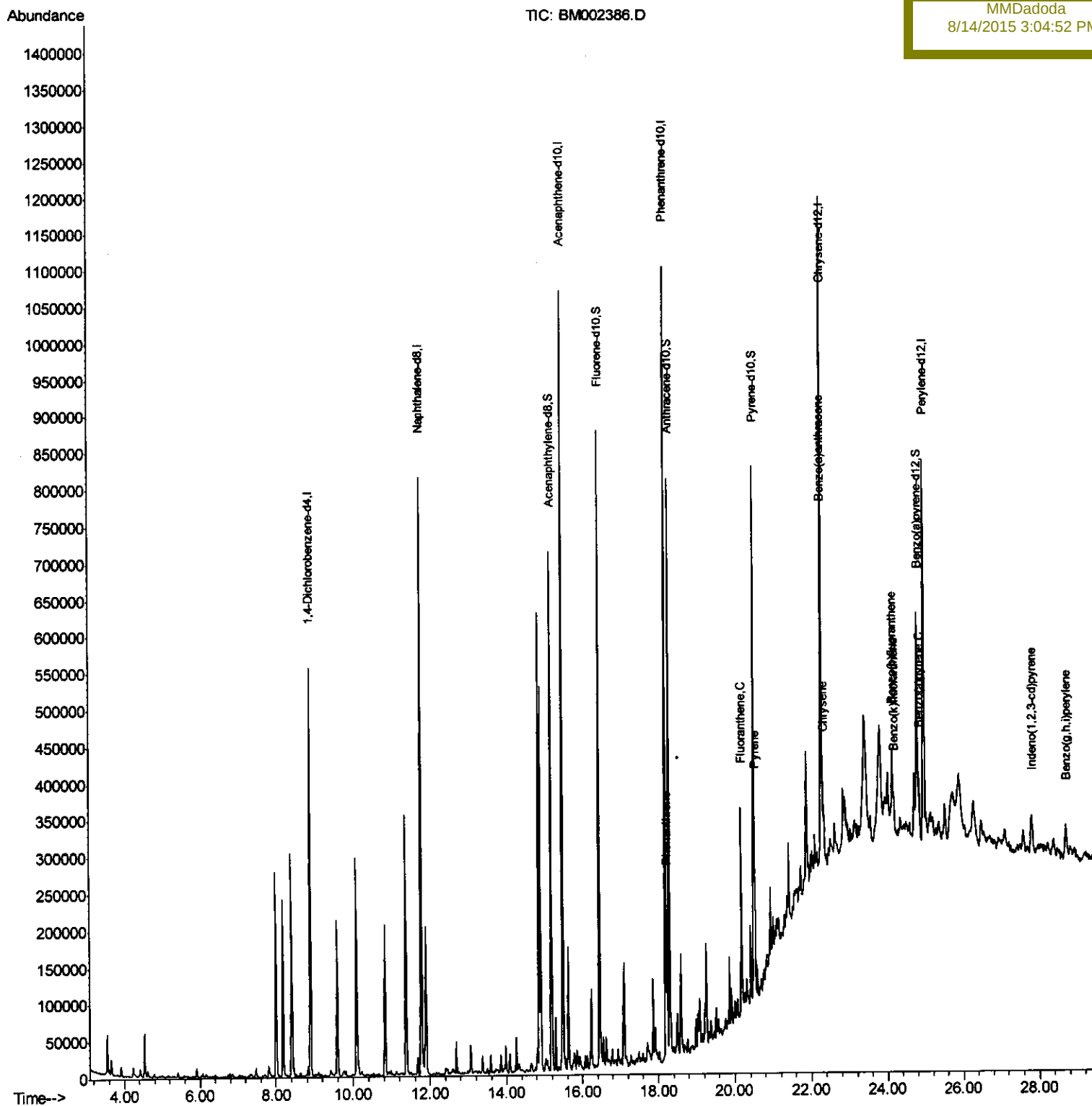
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081315\  
Data File : BM002386.D  
Acq On : 13 Aug 2015 06:27  
Operator : UM/IZ  
Sample : G3194-06  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 07:01:01 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 05:08:41 2015  
Response via : Initial Calibration

Instrument :  
BNA M  
ClientSampleId :  
D9D87

Manual Integrations  
APPROVED

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 168627   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.77 | 136  | 739465   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.49 | 164  | 360045   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.19 | 188  | 652922   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.28 | 240  | 453913   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.98 | 264  | 436095   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 15.19 | 160  | 552494   | 14.81 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 16.46 | 176  | 356751   | 13.75 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 18.29 | 188  | 449062   | 14.17 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 20.51 | 212  | 352898   | 16.03 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.80 | 264  | 254817   | 11.00 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 13) Phenanthrene           | 18.23 | 178  | 124673   | 3.32 | ng/ul | 99     |
| 16) Fluoranthene           | 20.18 | 202  | 167718   | 4.03 | ng/ul | 99     |
| 19) Pyrene                 | 20.54 | 202  | 130855   | 4.46 | ng/ul | 95     |
| 20) Benzo(a)anthracene     | 22.26 | 228  | 74693    | 2.70 | ng/ul | 97     |
| 21) Chrysene               | 22.33 | 228  | 79304    | 3.02 | ng/ul | 97     |
| 23) Benzo(b)fluoranthene   | 24.14 | 252  | 106362   | 3.92 | ng/ul | 95     |
| 24) Benzo(k)fluoranthene   | 24.20 | 252  | 35008m   | 1.34 | ng/ul | 95     |
| 26) Benzo(a)pyrene         | 24.86 | 252  | 68632    | 2.65 | ng/ul | 94     |
| 27) Indeno(1,2,3-cd)pyrene | 27.83 | 276  | 57234    | 1.93 | ng/ul | 97     |
| 29) Benzo(g,h,i)perylene   | 28.71 | 276  | 60912    | 2.43 | ng/ul | 91     |

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

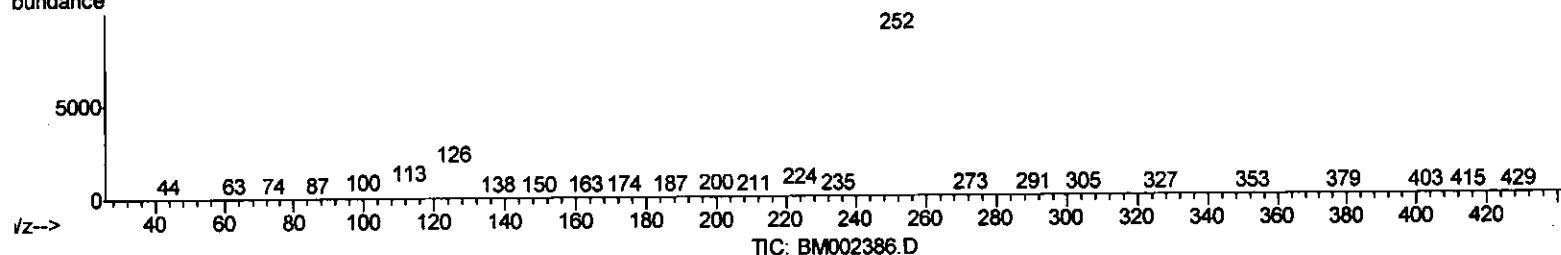
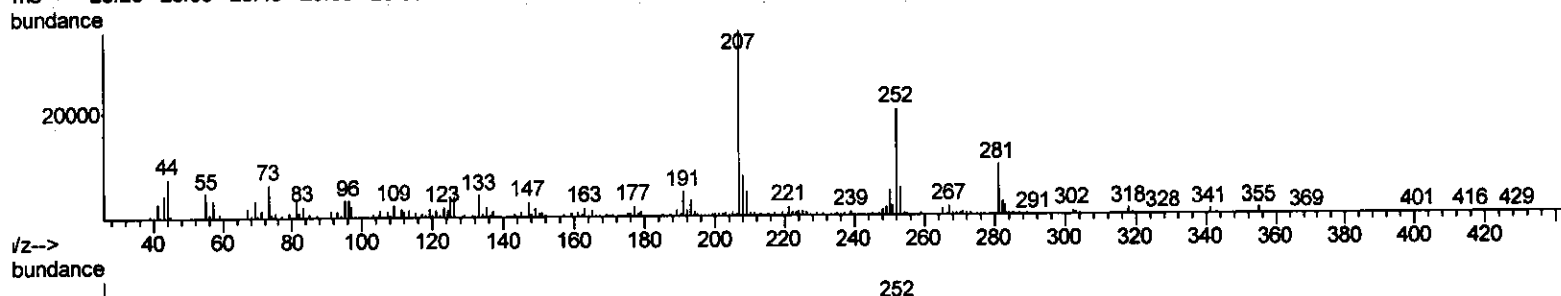
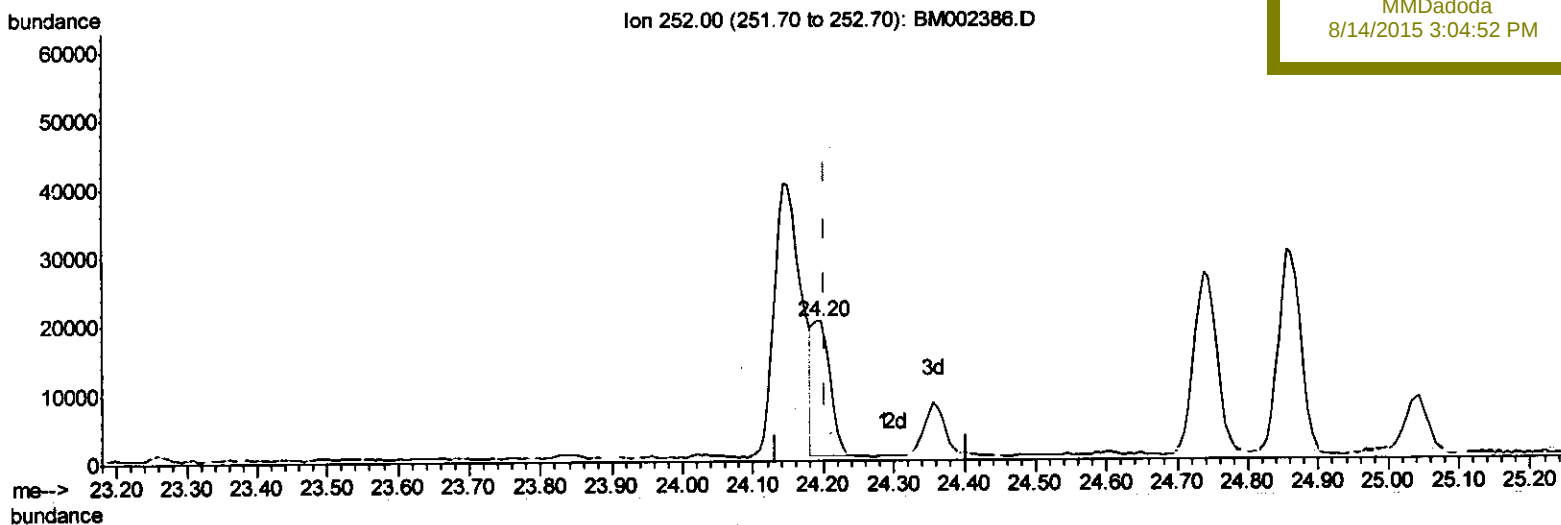
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(24) Benzo(k)fluoranthene

24.197min (-0.006) 1.34ng/ul m

response 35008

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 27.01# |
| 125.00 | 12.80 | 18.80# |
| 0.00   | 0.00  | 0.00   |

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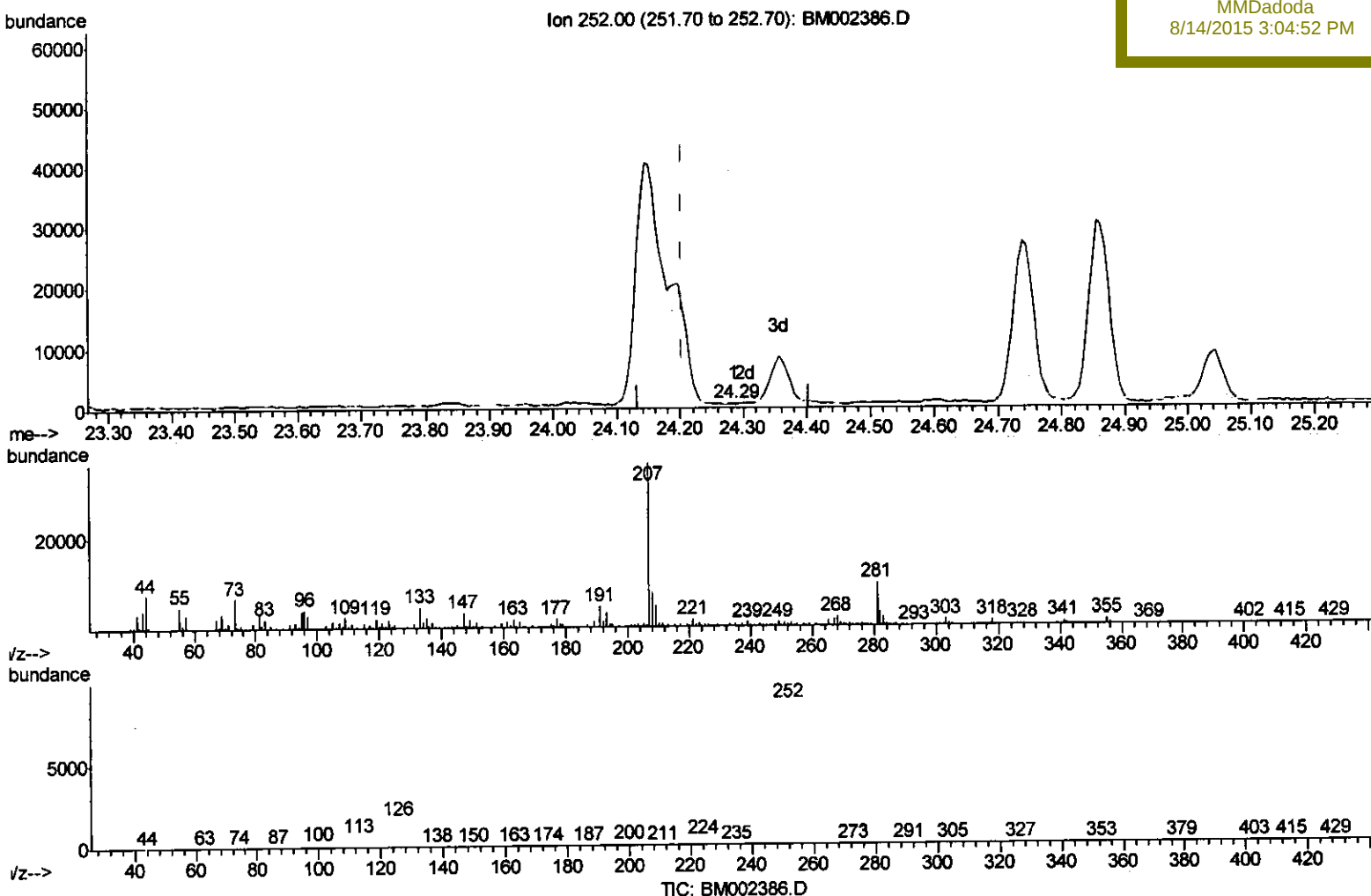
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(24) Benzo(k)fluoranthene

24.286min (+0.082) 0.00ng/ul

response 89

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 21.60 | 126.34# |
| 125.00 | 12.80 | 156.59# |
| 0.00   | 0.00  | 0.00    |