

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002367.D  
Acq On : 12 Aug 2015 18:56  
Operator : UM/IZ  
Sample : G3163-12MSD

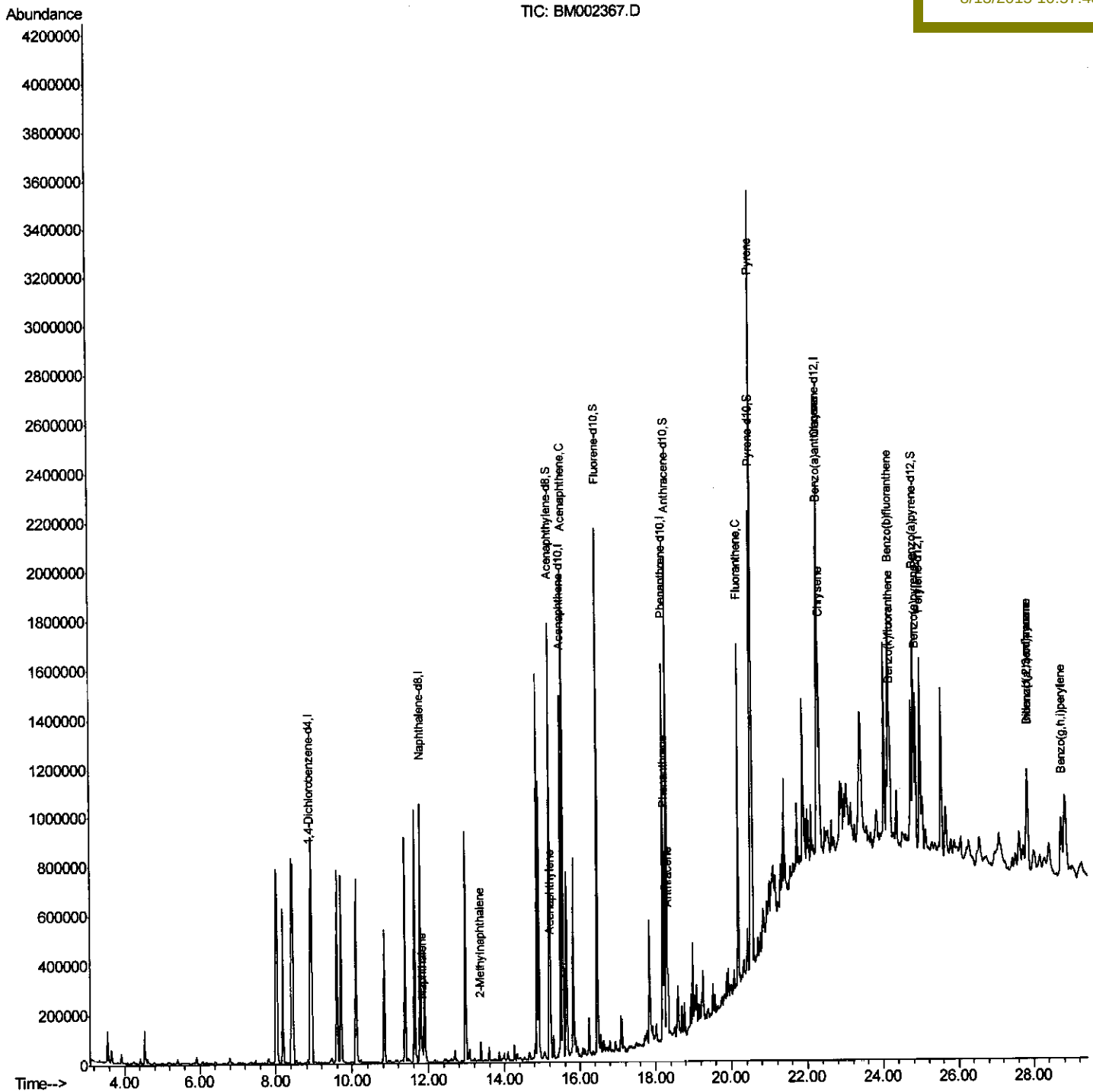
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 13 00:54:01 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 00:45:03 2015  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
D9C97MSD

Manual Integrations  
APPROVED

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8/13/2015 10:57:48 AM



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| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 199641   | 20.00 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.78 | 136  | 934831   | 20.00 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.49 | 164  | 504512   | 20.00 | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 18.20 | 188  | 910681   | 20.00 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 22.29 | 240  | 637964   | 20.00 | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.99 | 264  | 633094   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 7) Acenaphthylene-d8        | 15.19 | 160  | 1317680  | 25.21 | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.46 | 176  | 856364   | 23.56 | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 18.30 | 188  | 1101642  | 24.93 | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.52 | 212  | 902085   | 29.16 | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 818724   | 24.36 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       |        | Qvalue   |
| 3) Naphthalene              | 11.83 | 128  | 64856    | 1.32  | ng/ul  | 98       |
| 4) 2-Methylnaphthalene      | 13.37 | 142  | 38083    | 1.08  | ng/ul  | 93       |
| 8) Acenaphthylene           | 15.22 | 152  | 139232   | 2.57  | ng/ul  | 99       |
| 9) Acenaphthene             | 15.55 | 153  | 813662   | 22.29 | ng/ul  | 99       |
| 13) Phenanthrene            | 18.24 | 178  | 457282   | 8.72  | ng/ul  | 100      |
| 15) Anthracene              | 18.33 | 178  | 219096   | 4.05  | ng/ul  | 99       |
| 16) Fluoranthene            | 20.19 | 202  | 810341   | 13.96 | ng/ul  | 99       |
| 19) Pyrene                  | 20.54 | 202  | 1808575  | 43.85 | ng/ul  | 98       |
| 20) Benzo(a)anthracene      | 22.27 | 228  | 508361   | 13.05 | ng/ul  | 98       |
| 21) Chrysene                | 22.33 | 228  | 507394   | 13.75 | ng/ul  | 96       |
| 23) Benzo(b)fluoranthene    | 24.16 | 252  | 906177   | 23.03 | ng/ul  | 97       |
| 24) Benzo(k)fluoranthene    | 24.20 | 252  | 278461m  | 7.37  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.87 | 252  | 530977   | 14.10 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 27.84 | 276  | 368828   | 8.55  | ng/ul  | 94       |
| 28) Dibenzo(a,h)anthracene  | 27.84 | 278  | 106909   | 2.92  | ng/ul# | 81       |
| 29) Benzo(g,h,i)perylene    | 28.74 | 276  | 314056   | 8.63  | ng/ul  | 98       |

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

*Q.m*  
*08/13/15*

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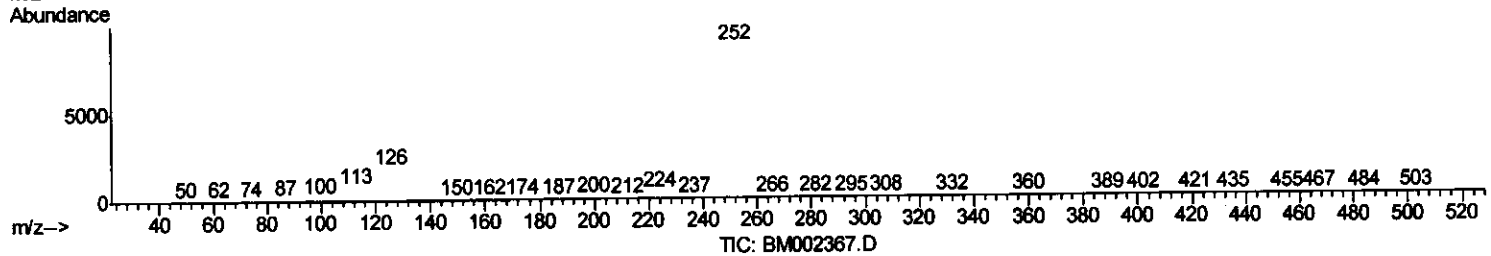
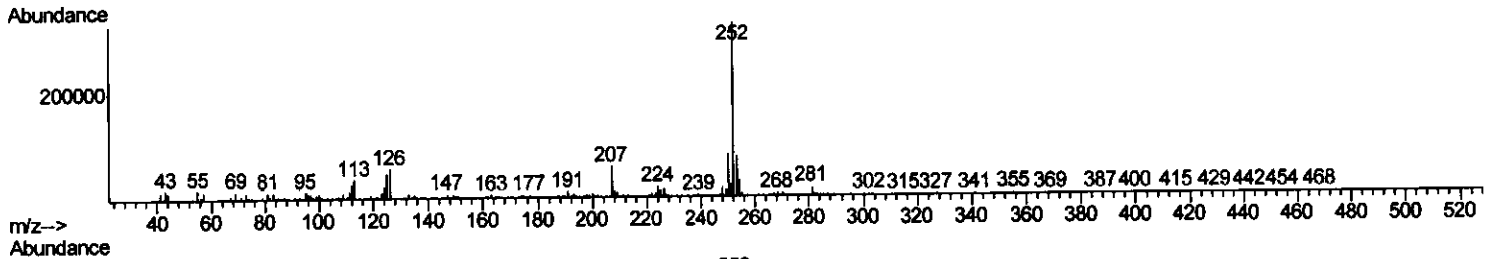
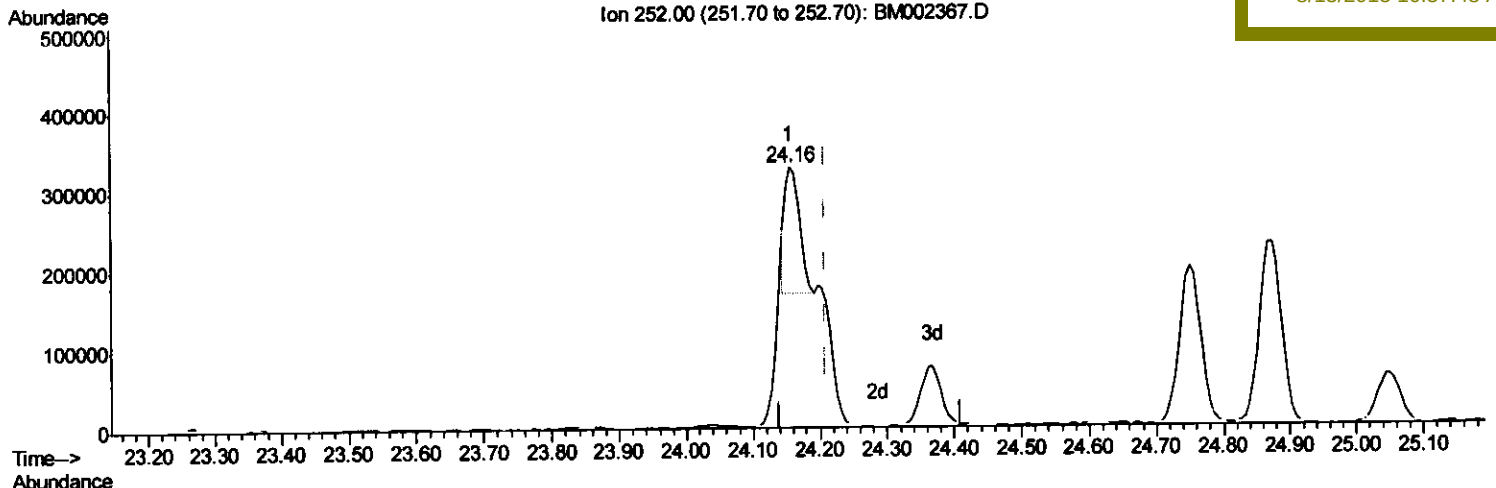
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(24) Benzo(k)fluoranthene

24.156min (-0.053) 6.20ng/ul

response 234422

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 23.44 |
| 125.00 | 12.80 | 14.50 |
| 0.00   | 0.00  | 0.00  |

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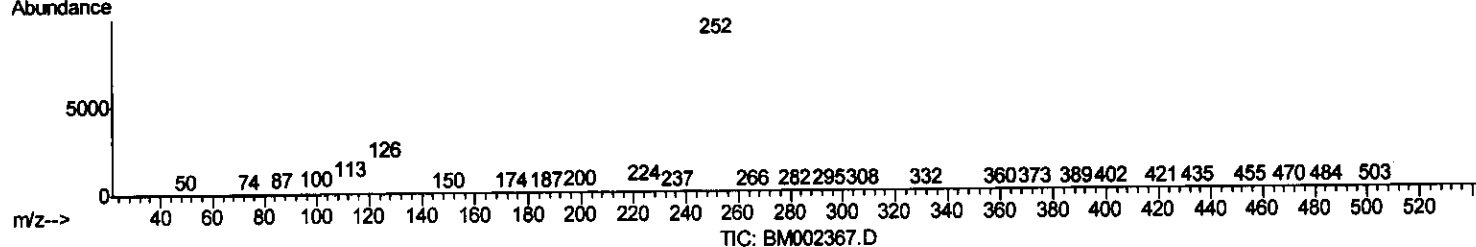
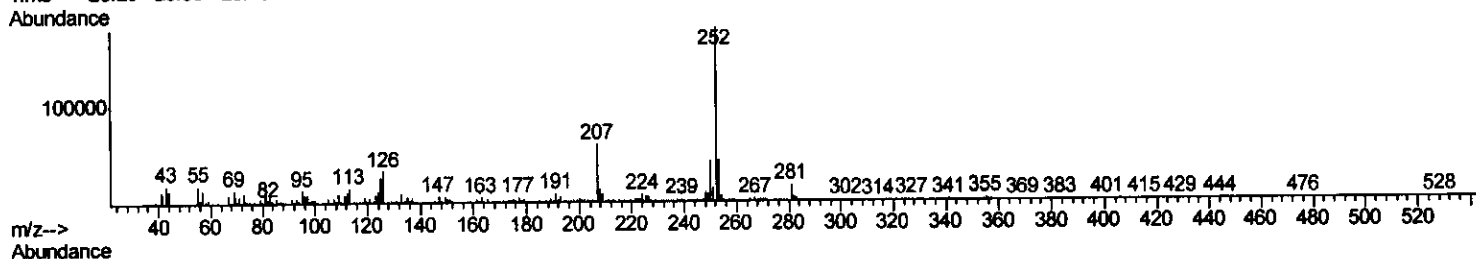
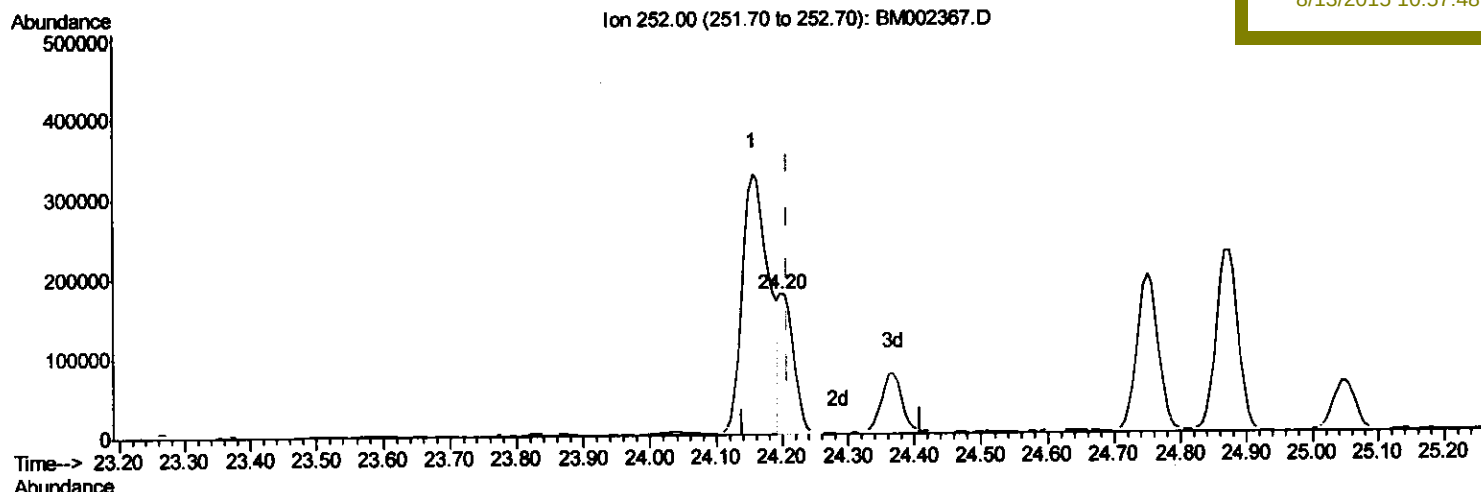
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(24) Benzo(k)fluoranthene

24.197min (-0.012) 7.37ng/ul m

response 278461

Ion Exp% Act%

252.00 100 100

253.00 21.60 24.40

125.00 12.80 14.69

0.00 0.00 0.00

U. M  
08/13/15