

# Quantitation Report (QT Reviewed)

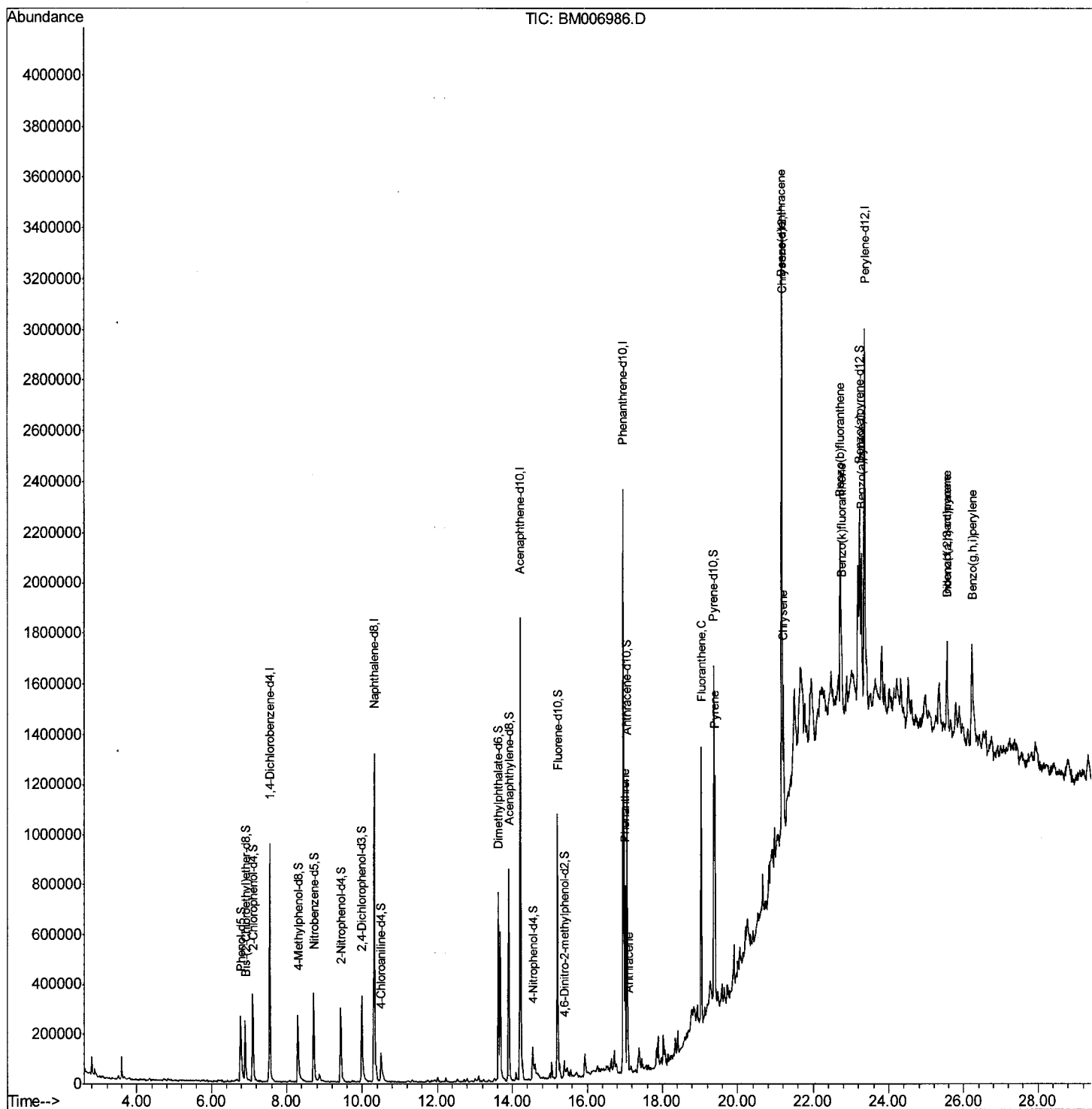
Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\  
 Data File : BM006986.D  
 Acq On : 08 Aug 2016 09:59  
 Operator : UM/SJ  
 Sample : H4301-09 2X  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA0F0

Manual Integrations  
 APPROVED

sohil  
 8/8/2016 7:09:18 PM

Quant Time: Aug 08 16:44:14 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 08 15:12:48 2016  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

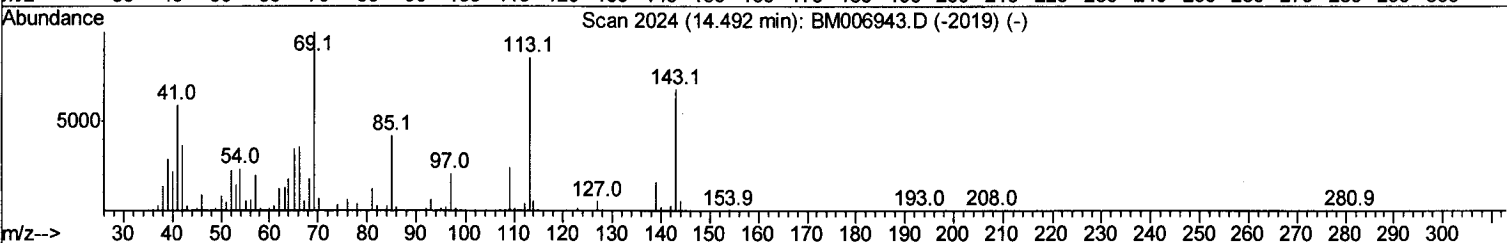
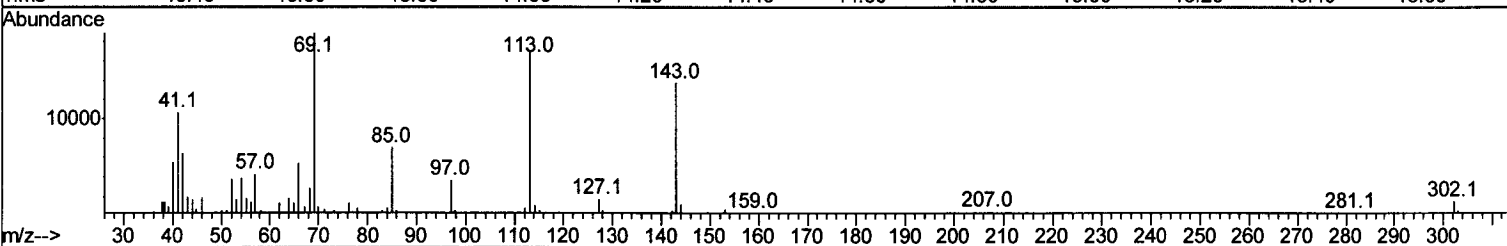
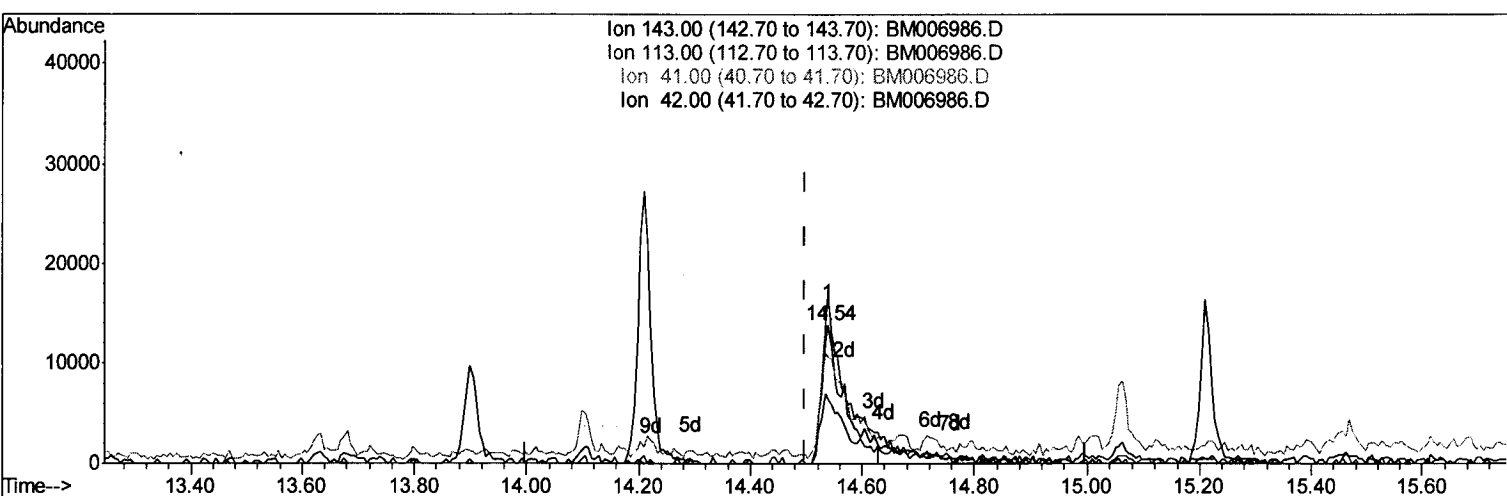
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TIC: BM006986.D

(20) 4-Nitrophenol-d4 (S)

14.539min (+0.041) 5.70ng/ul m U.M

response 39716

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 129.40 | 123.38 |
| 41.00  | 81.50  | 77.50  |
| 42.00  | 59.10  | 46.72# |

# Quantitation Report (Qedit)

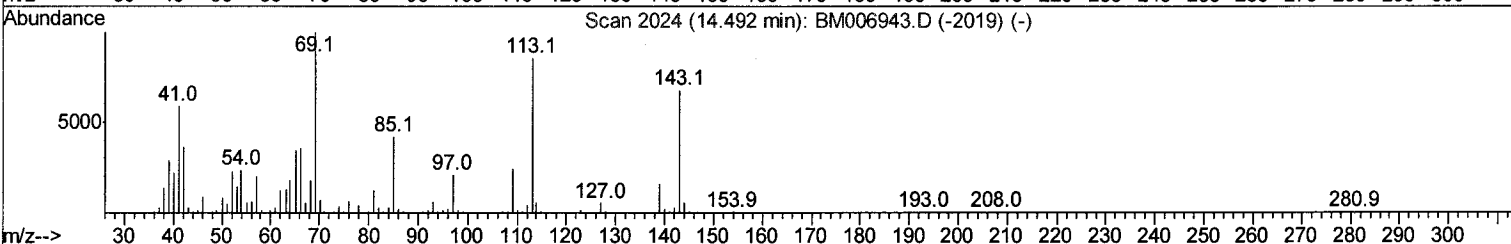
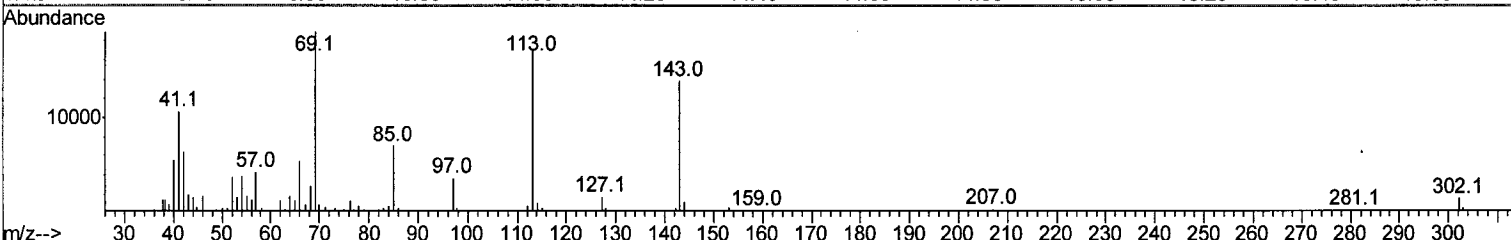
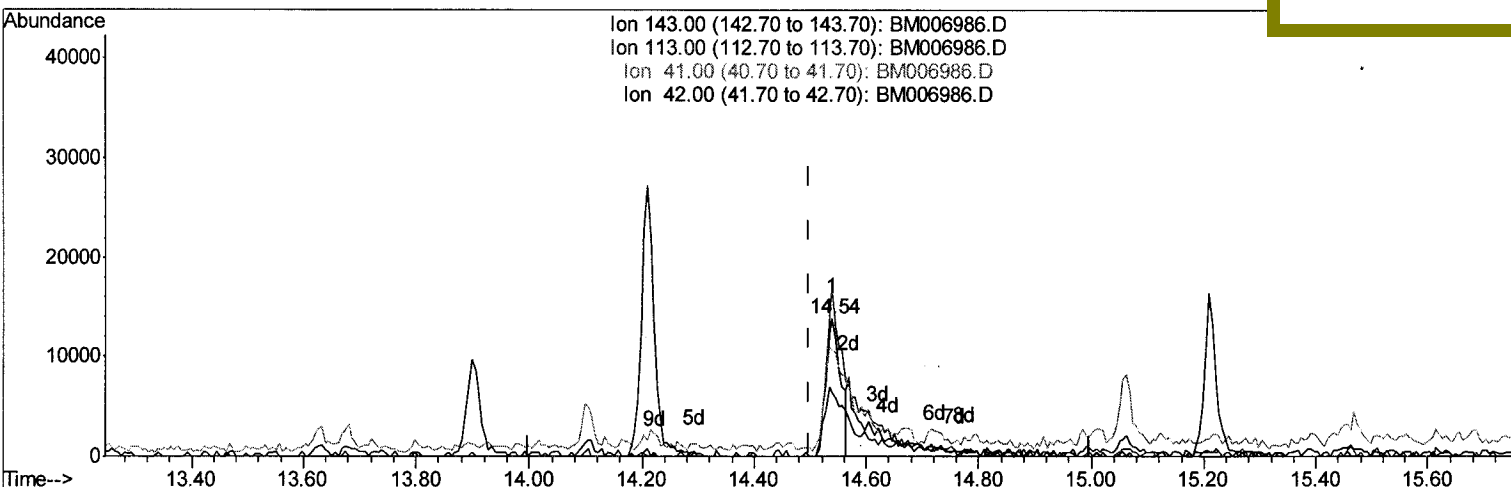
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TIC: BM006986.D

(20) 4-Nitrophenol-d4 (S)

14.539min (+0.041) 3.70ng/ul

response 25753

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 129.40 | 123.38 |
| 41.00  | 81.50  | 77.50  |
| 42.00  | 59.10  | 46.72# |

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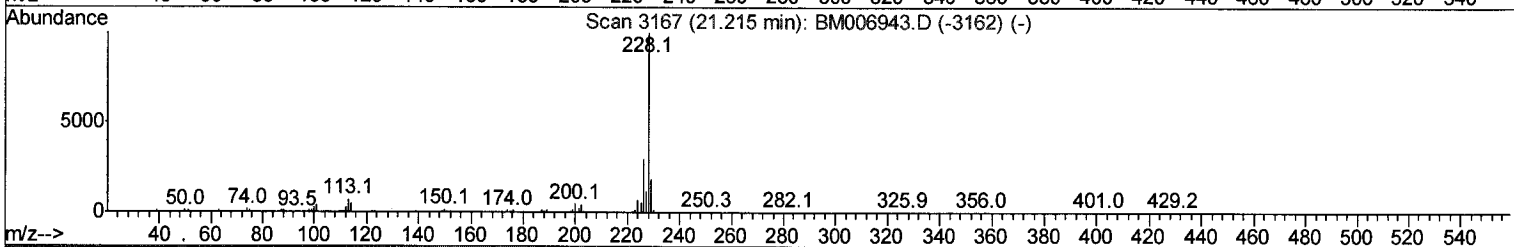
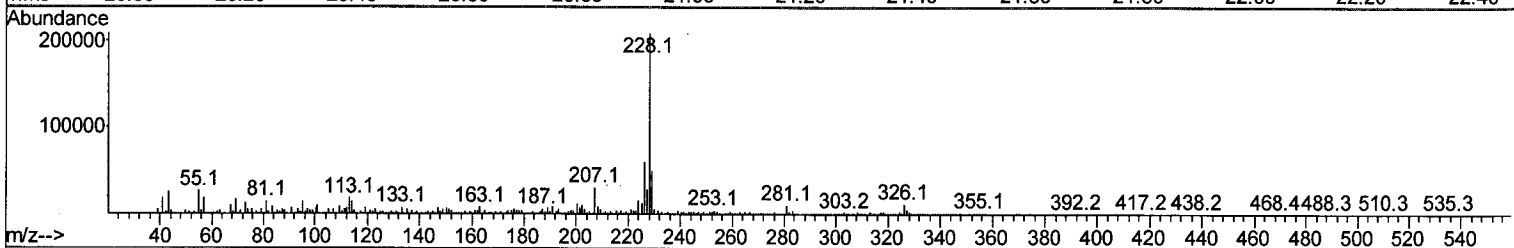
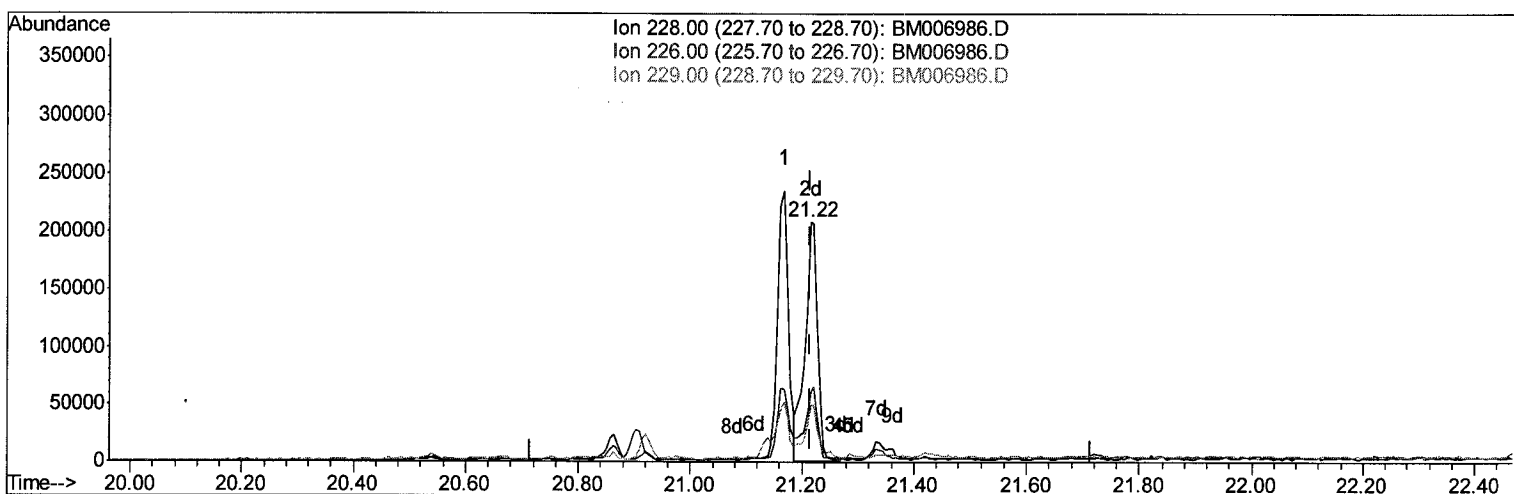
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(33) Chrysene

21.215min (-0.000) 6.27ng/ul m

response 323894

*U.M*  
*08/11/16*

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.70 | 28.98  |
| 229.00 | 18.90 | 23.92# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

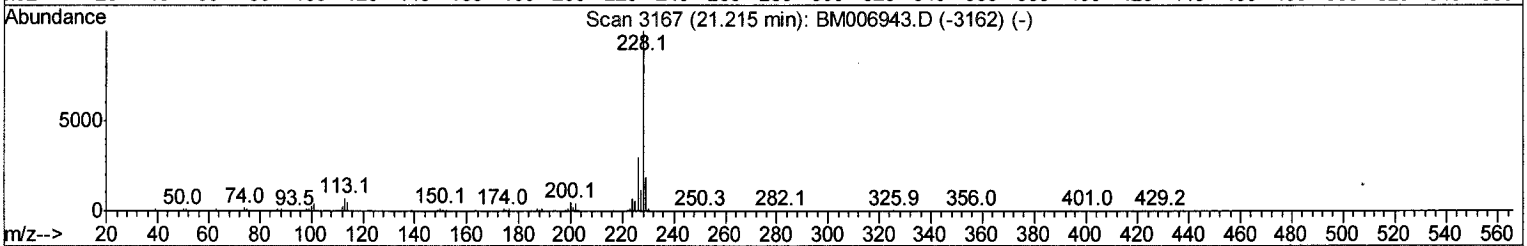
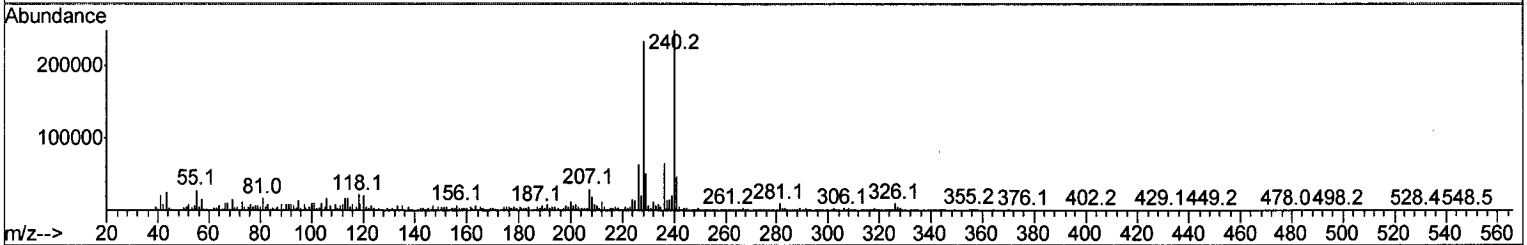
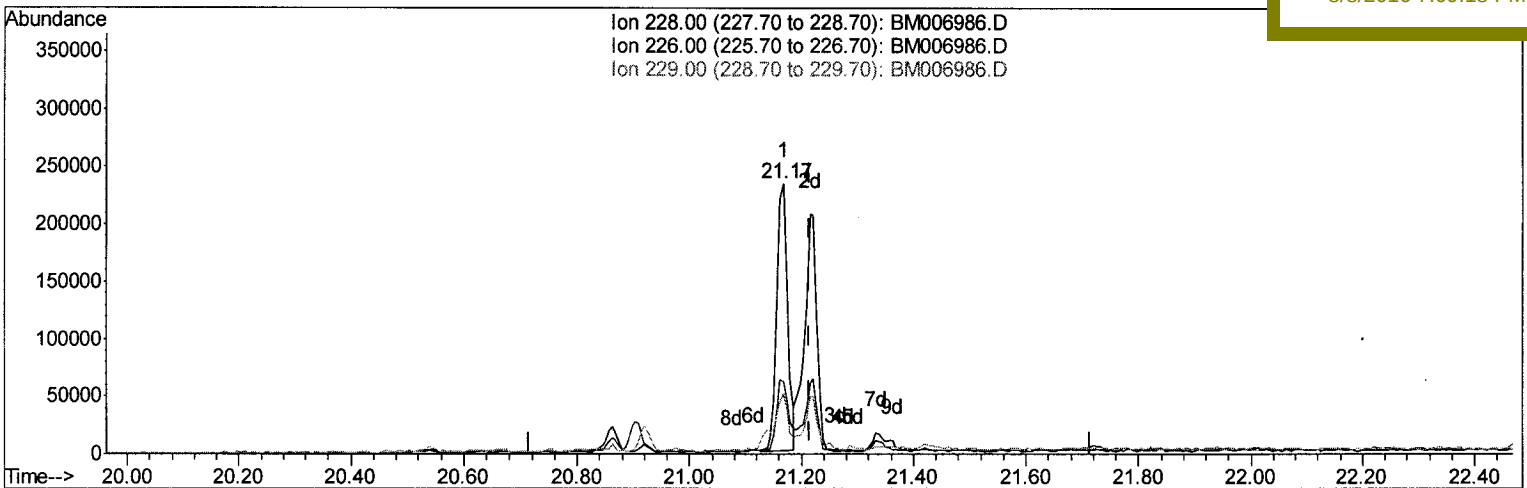
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 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DAOFO

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Manual Integrations  
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TIC: BM006986.D

(33) Chrysene

21.168min (-0.047) 6.09ng/ul

response 314966

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.70 | 26.85 |
| 229.00 | 18.90 | 22.07 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

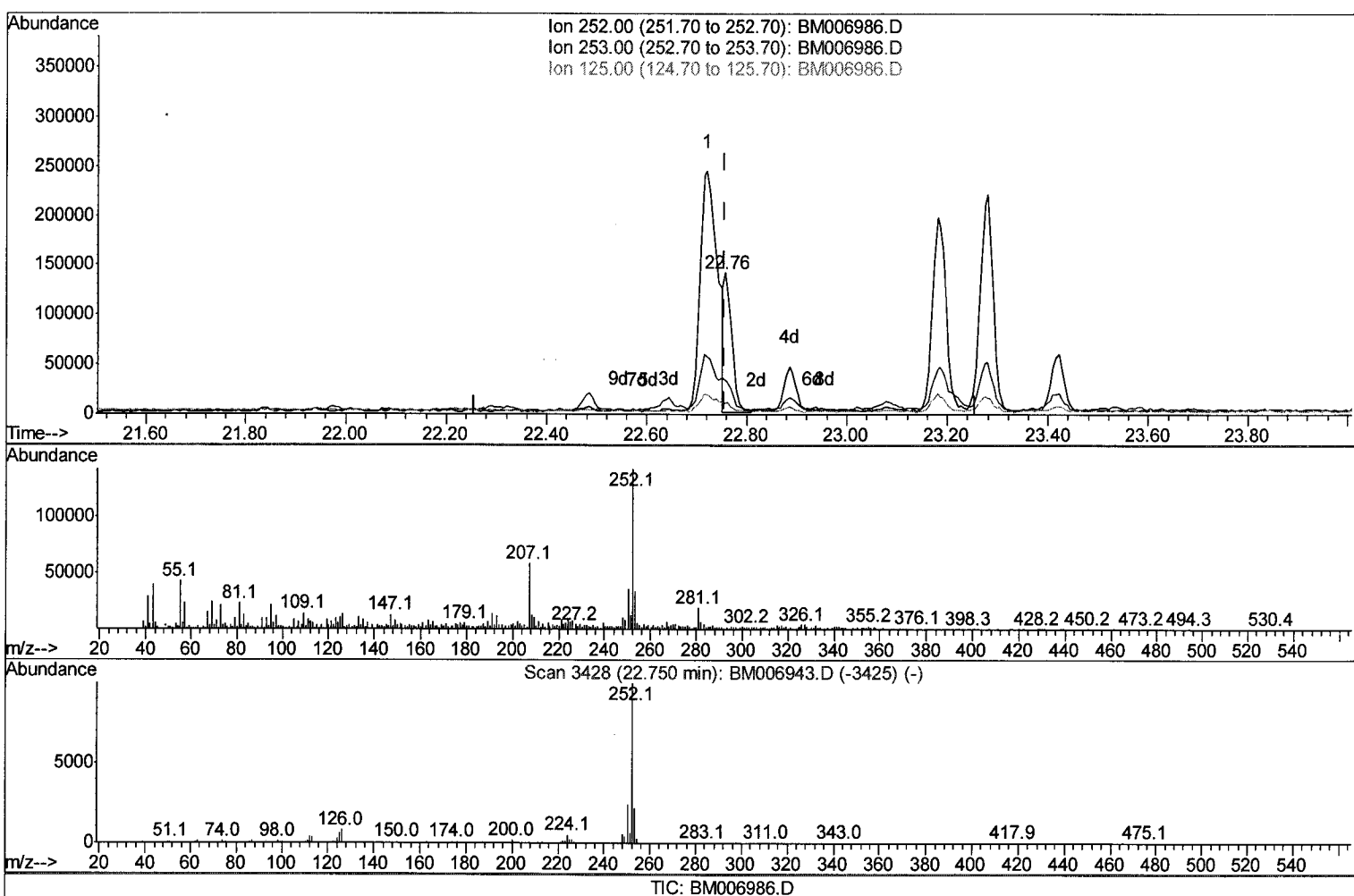
Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\  
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 Operator : UM/SJ  
 Sample : H4301-09 2X  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA0F0

Manual Integrations  
 APPROVED

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(36) Benzo(k)fluoranthene

22.756min (-0.000) 2.44ng/ul m

response 156108

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.50 | 24.29 |
| 125.00 | 6.40  | 8.04# |
| 0.00   | 0.00  | 0.00  |

V.M  
 08/11/16

# Quantitation Report (Qedit)

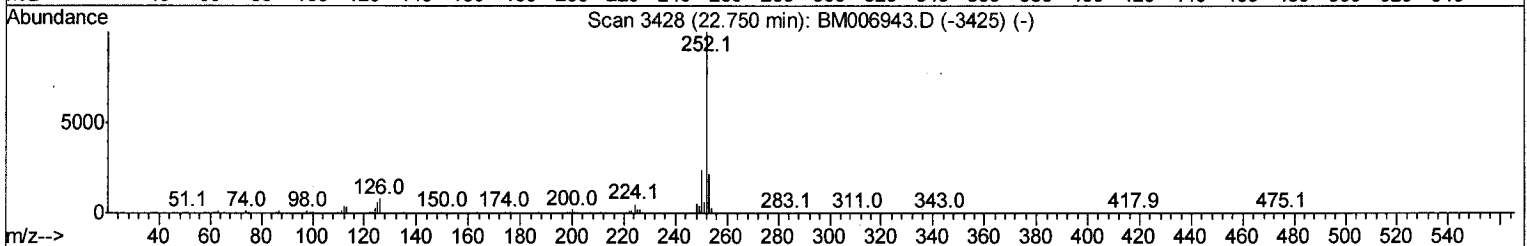
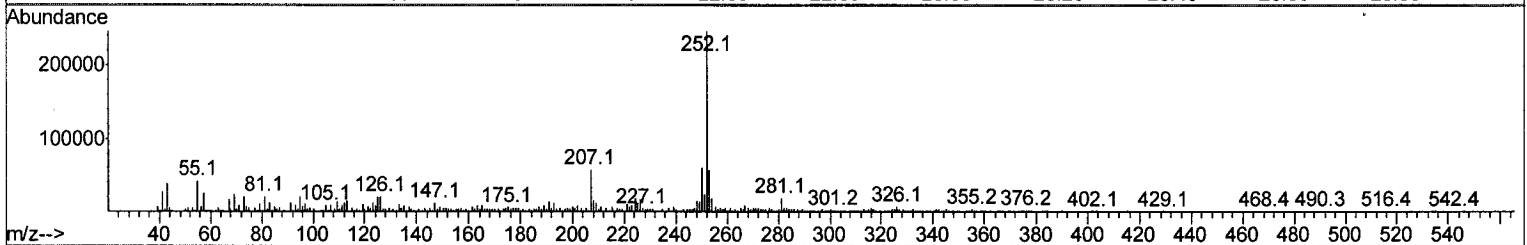
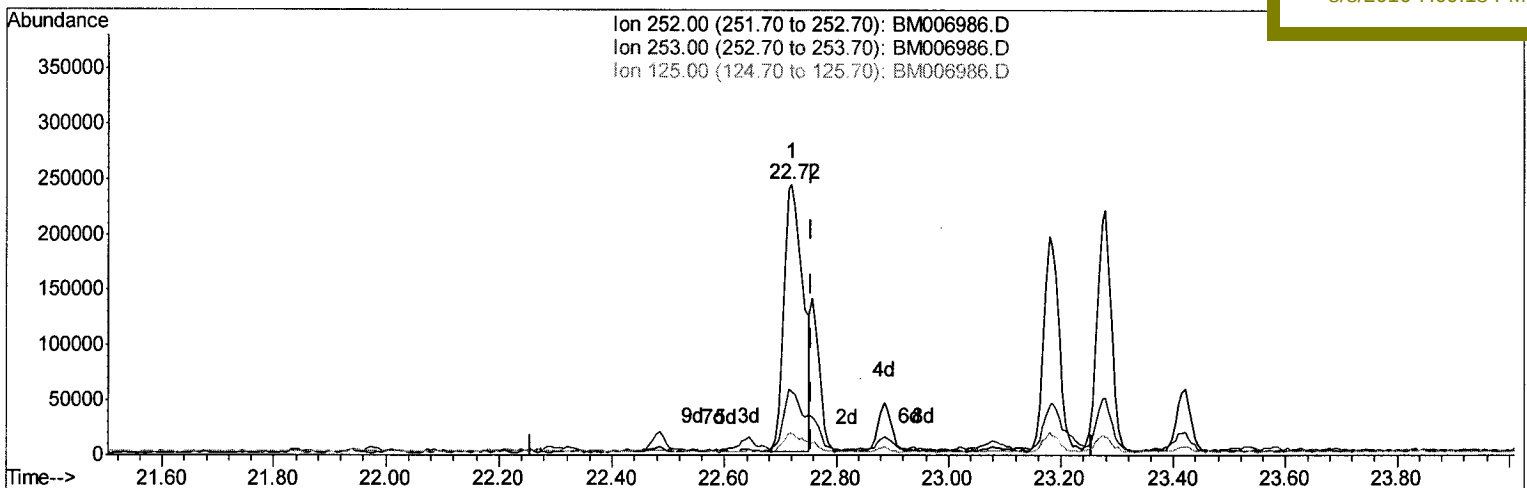
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 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DAOFO

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Manual Integrations  
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TIC: BM006986.D

(36) Benzo(k)fluoranthene

22.721min (-0.035) 8.85ng/ul

response 566665

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.50 | 23.65 |
| 125.00 | 6.40  | 8.04# |
| 0.00   | 0.00  | 0.00  |

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 APPROVED

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 210813   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 947869   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.21 | 164  | 545704   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 16.97 | 188  | 1225253  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.18 | 240  | 989717   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.37 | 264  | 1015907  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.09  | 96  | 3684   | 0.80  | ng/uL | 0.01 |
| 3) Phenol-d5                   | 6.77  | 99  | 147343 | 7.37  | ng/ul | 0.01 |
| 4) Bis-(2-Chloroethyl) ether-d | 6.90  | 67  | 113238 | 9.03  | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.10  | 132 | 128169 | 8.98  | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.30  | 113 | 101492 | 6.08  | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.72  | 128 | 69788  | 9.91  | ng/ul | 0.01 |
| 9) 2-Nitrophenol-d4            | 9.44  | 143 | 71490  | 8.48  | ng/ul | 0.01 |
| 10) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 129984 | 8.13  | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.50 | 131 | 71606  | 3.75  | ng/ul | 0.02 |
| 16) Dimethylphthalate-d6       | 13.63 | 166 | 453770 | 9.45  | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.90 | 160 | 569530 | 10.25 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.54 | 143 | 39716m | 5.70  | ng/ul | 0.04 |
| 21) Fluorene-d10               | 15.21 | 176 | 405879 | 9.94  | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 10694  | 2.11  | ng/ul | 0.01 |
| 26) Anthracene-d10             | 17.07 | 188 | 586052 | 9.90  | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.38 | 212 | 570570 | 12.09 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.23 | 264 | 466940 | 9.65  | ng/ul | 0.00 |

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## Target Compounds

|                            |       |     |         |             | Ovalue |
|----------------------------|-------|-----|---------|-------------|--------|
| 25) Phenanthrene           | 17.01 | 178 | 389670  | 5.69 ng/ul  | 99     |
| 27) Anthracene             | 17.10 | 178 | 72068   | 1.00 ng/ul  | 97     |
| 28) Fluoranthene           | 19.04 | 202 | 652869  | 7.83 ng/ul# | 97     |
| 31) Pyrene                 | 19.41 | 202 | 554674  | 9.02 ng/ul  | 99     |
| 32) Benzo(a)anthracene     | 21.17 | 228 | 314804  | 5.36 ng/ul  | 97     |
| 33) Chrysene               | 21.22 | 228 | 323894m | 6.27 ng/ul  | 97     |
| 35) Benzo(b)fluoranthene   | 22.72 | 252 | 566665  | 8.55 ng/ul# | 96     |
| 36) Benzo(k)fluoranthene   | 22.76 | 252 | 156108m | 2.44 ng/ul  | 96     |
| 38) Benzo(a)pyrene         | 23.28 | 252 | 384894  | 6.40 ng/ul  | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 342268  | 5.61 ng/ul  | 99     |
| 40) Dibenzo(a,h)anthracene | 25.55 | 278 | 110950  | 2.16 ng/ul# | 80     |
| 41) Benzo(g,h,i)perylene   | 26.24 | 276 | 455370  | 9.48 ng/ul  | 100    |

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 08/11/16

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