

# Quantitation Report (QT Reviewed)

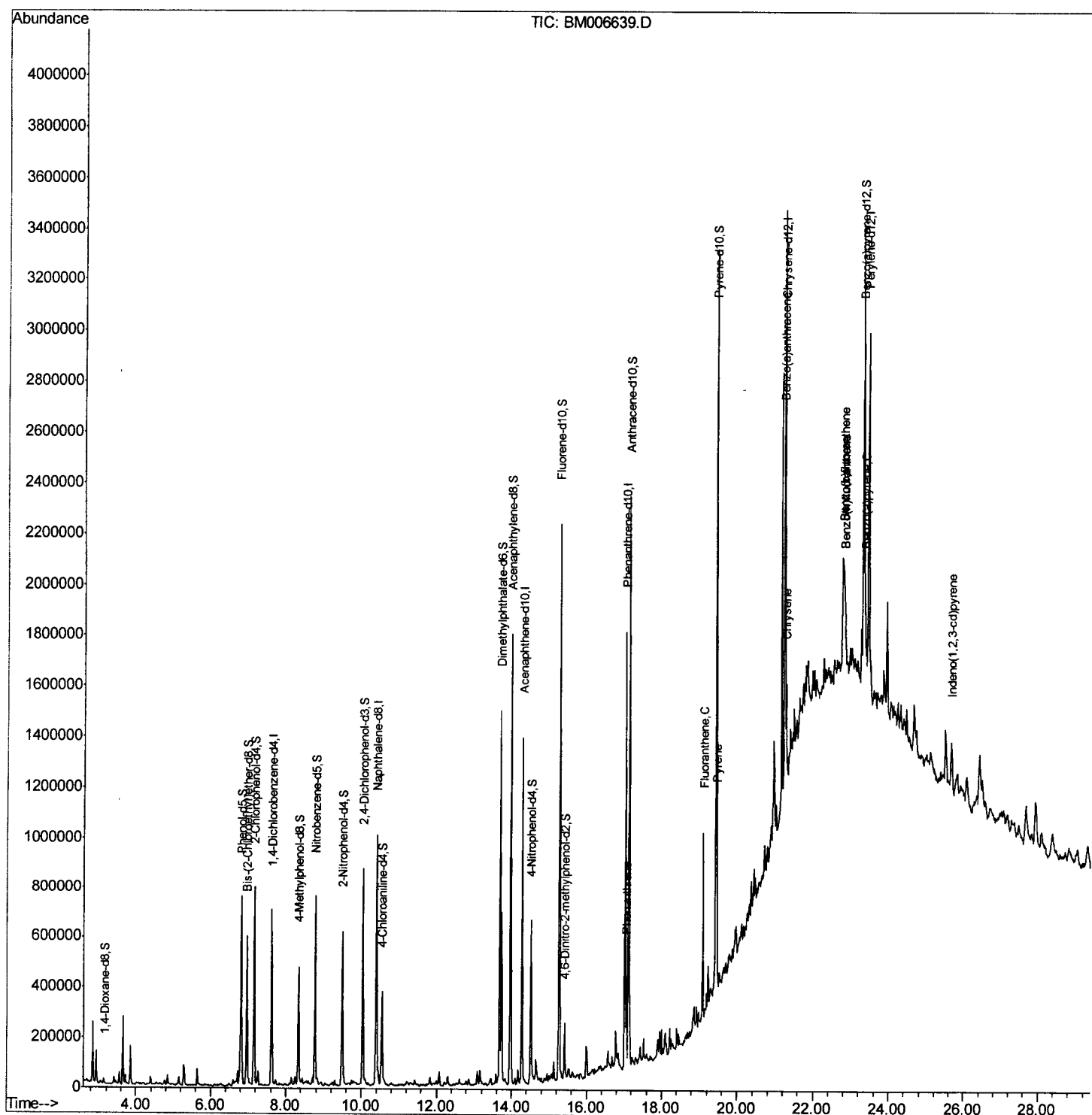
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM072216\  
 Data File : BM006639.D  
 Acq On : 23 Jul 2016 00:17  
 Operator : UM/SJ  
 Sample : H4076-21  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YQ4

Manual Integration

Quant Time: Jul 23 01:16:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 23 00:16:38 2016  
 Response via : Initial Calibration

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# Quantitation Report (Qedit)

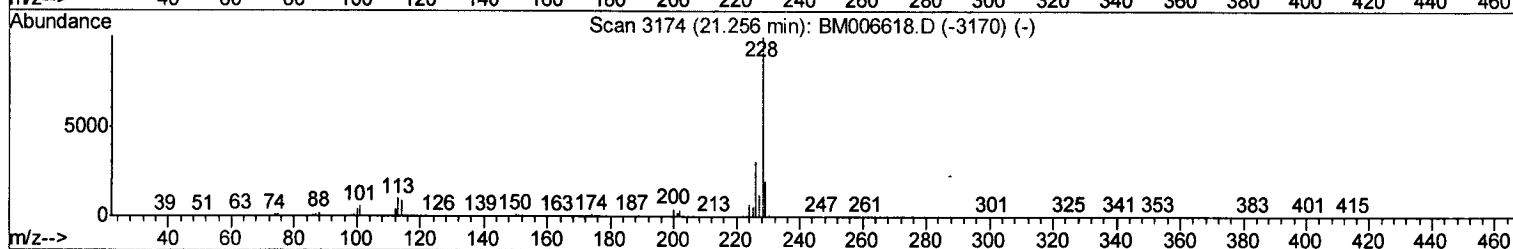
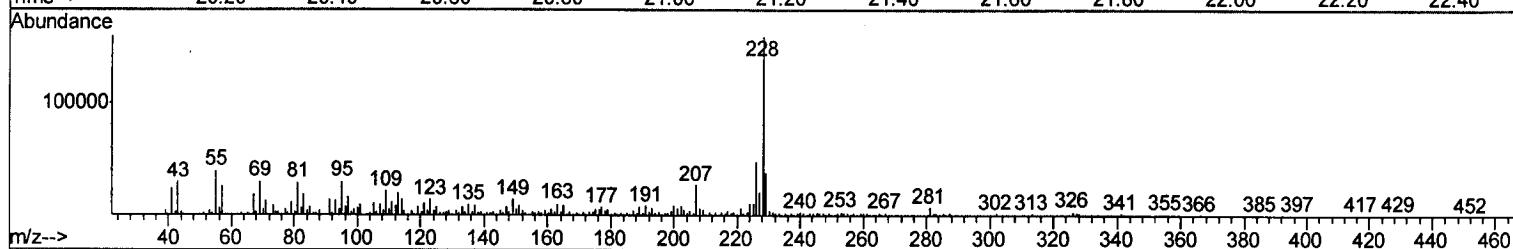
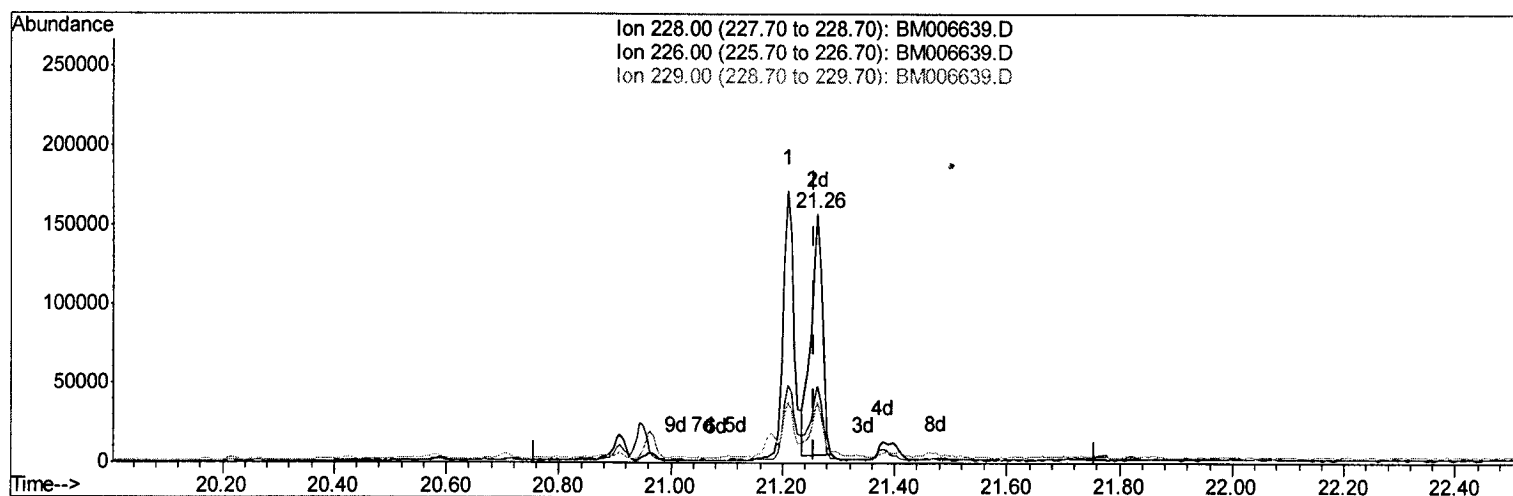
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TIC: BM006639.D

(33) Chrysene

21.262min (+0.006) 3.92ng/ul m U.M  
 response 221481 07/26/16

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 30.63  |
| 229.00 | 20.20 | 24.30# |
| 0.00   | 0.00  | 0.00   |

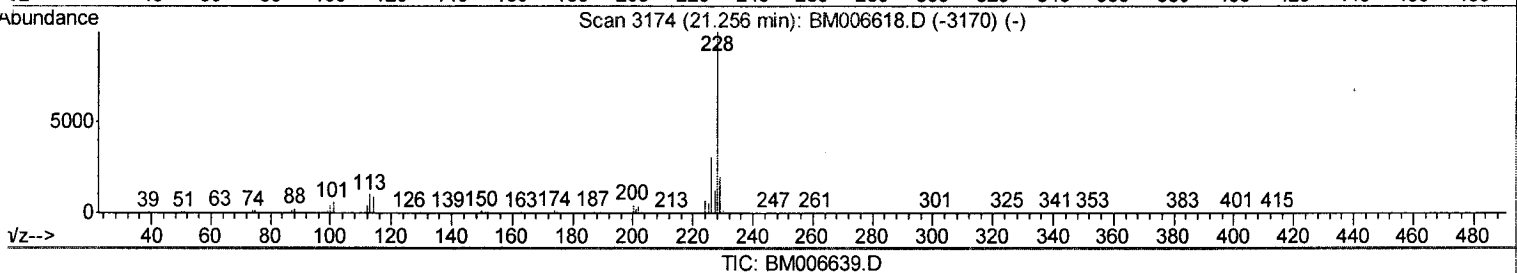
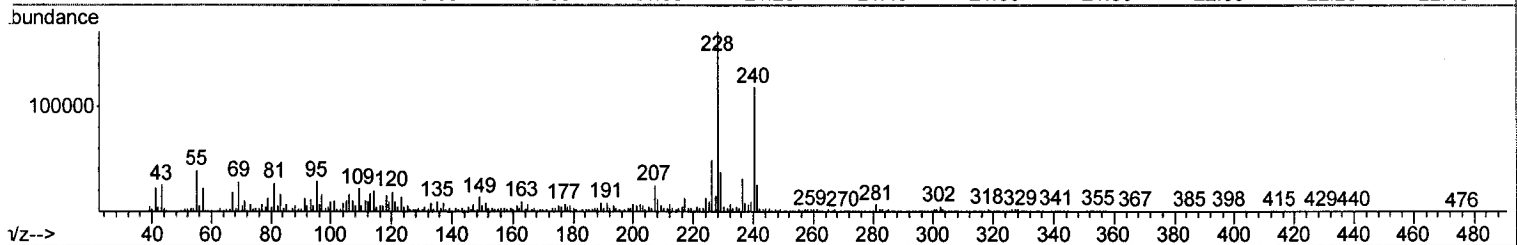
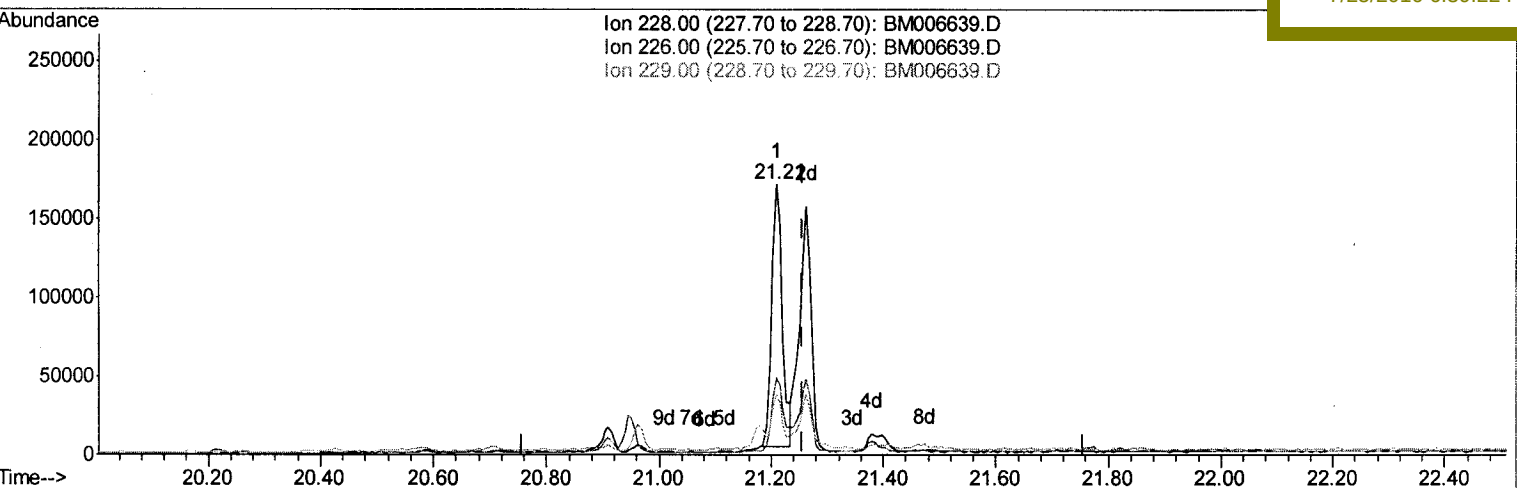
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(33) Chrysene

21.209min (-0.047) 3.84ng/ul

response 217063

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 28.81 |
| 229.00 | 20.20 | 22.17 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

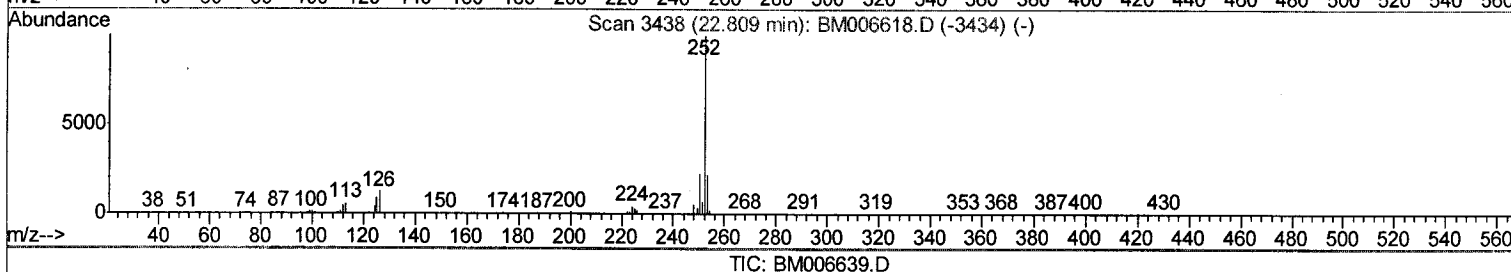
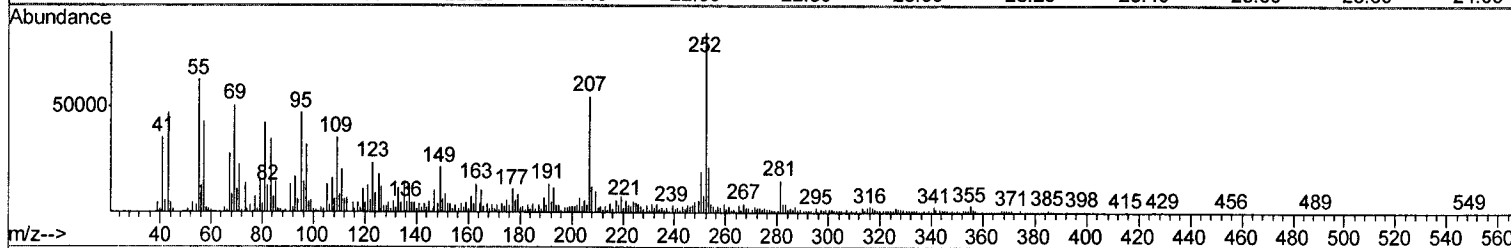
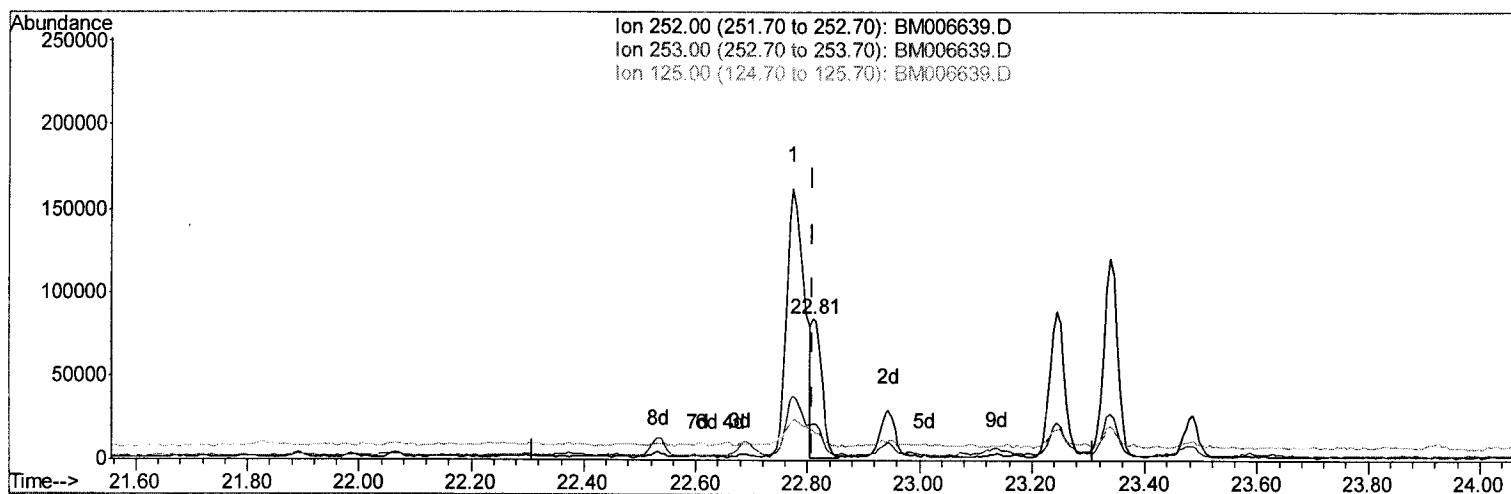
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(36) Benzo(k)fluoranthene

22.809min (+0.000) 1.76ng/ul m

response 108339

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.30 | 25.82  |
| 125.00 | 9.60  | 21.52# |
| 0.00   | 0.00  | 0.00   |

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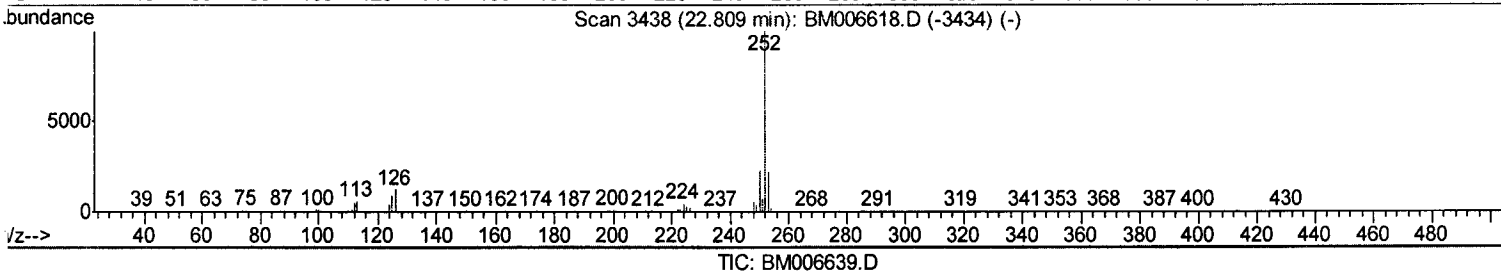
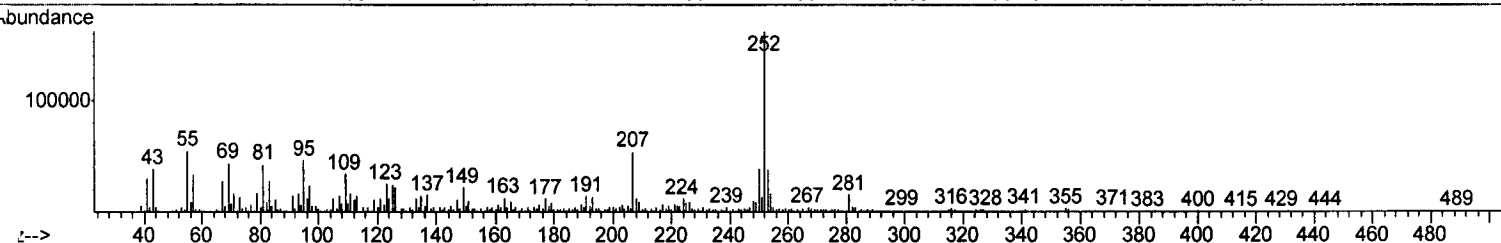
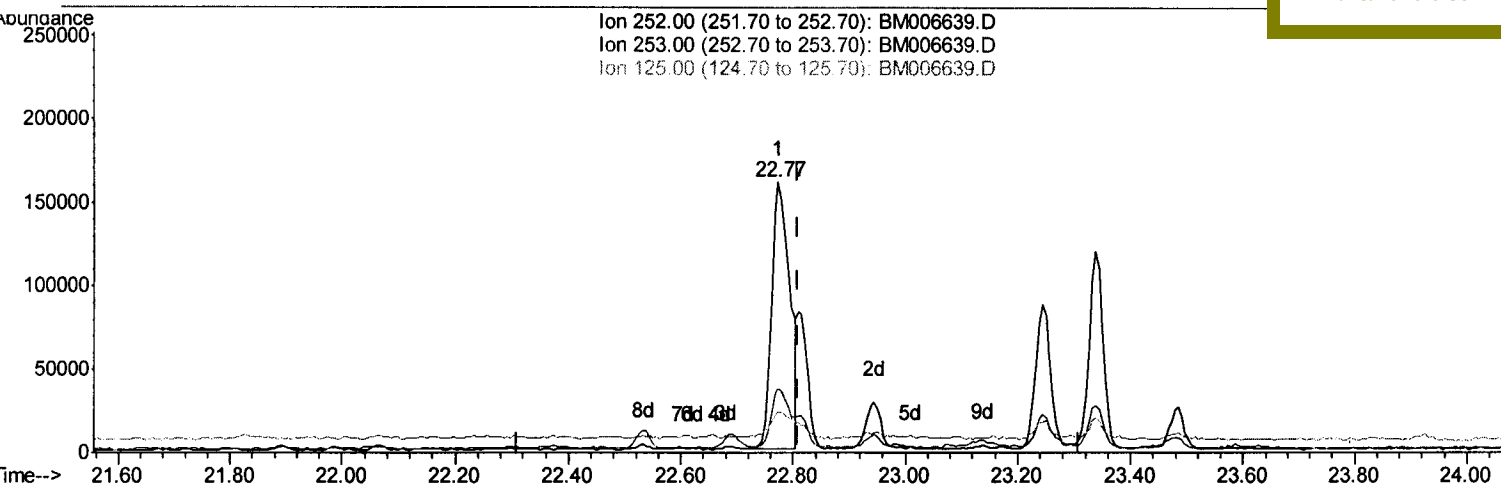
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Manual Integration

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(36) Benzo(k)fluoranthene

22.774min (-0.035) 5.74ng/ul

response 353374

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.30 | 23.68  |
| 125.00 | 9.60  | 15.18# |
| 0.00   | 0.00  | 0.00   |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 179045   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.40 | 136  | 813408   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.27 | 164  | 458503   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.03 | 188  | 1011631  | 20.00 | ng/ul | 0.01     |
| 29) Chrysene-d12          | 21.23 | 240  | 1010963  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.44 | 264  | 1062623  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.13  | 96  | 10424   | 2.35  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.80  | 99  | 431969  | 28.36 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl) ether-d | 6.96  | 67  | 266190  | 28.21 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.16  | 132 | 335984  | 27.60 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.33  | 113 | 183416  | 15.53 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.77  | 128 | 169986  | 27.61 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.49  | 143 | 182615  | 27.89 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 319215  | 25.80 | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.55 | 131 | 226344  | 16.61 | ng/ul | 0.01 |
| 16) Dimethylphthalate-d6       | 13.69 | 166 | 997554  | 27.75 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.96 | 160 | 1277077 | 27.83 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.51 | 143 | 168920  | 27.05 | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.27 | 176 | 903268  | 28.09 | ng/ul | 0.01 |
| 24) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 44048   | 8.39  | ng/ul | 0.01 |
| 26) Anthracene-d10             | 17.13 | 188 | 1316259 | 27.40 | ng/ul | 0.01 |
| 30) Pyrene-d10                 | 19.43 | 212 | 1419865 | 30.82 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.30 | 264 | 1282109 | 26.23 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |      | Qvalue |    |
|----------------------------|-------|-----|---------|------|--------|----|
| 25) Phenanthrene           | 17.07 | 178 | 184749  | 3.25 | ng/ul  | 99 |
| 28) Fluoranthene           | 19.09 | 202 | 429896  | 6.43 | ng/ul  | 99 |
| 31) Pyrene                 | 19.46 | 202 | 372154  | 6.08 | ng/ul  | 97 |
| 32) Benzo(a)anthracene     | 21.21 | 228 | 217063  | 3.54 | ng/ul  | 96 |
| 33) Chrysene               | 21.26 | 228 | 221481m | 3.92 | ng/ul  |    |
| 35) Benzo(b)fluoranthene   | 22.77 | 252 | 353374  | 5.55 | ng/ul# | 94 |
| 36) Benzo(k)fluoranthene   | 22.81 | 252 | 108339m | 1.76 | ng/ul  |    |
| 38) Benzo(a)pyrene         | 23.34 | 252 | 206005  | 3.32 | ng/ul# | 92 |
| 39) Indeno(1,2,3-cd)pyrene | 25.65 | 276 | 179522  | 2.50 | ng/ul  | 94 |

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