

(QT Reviewed)

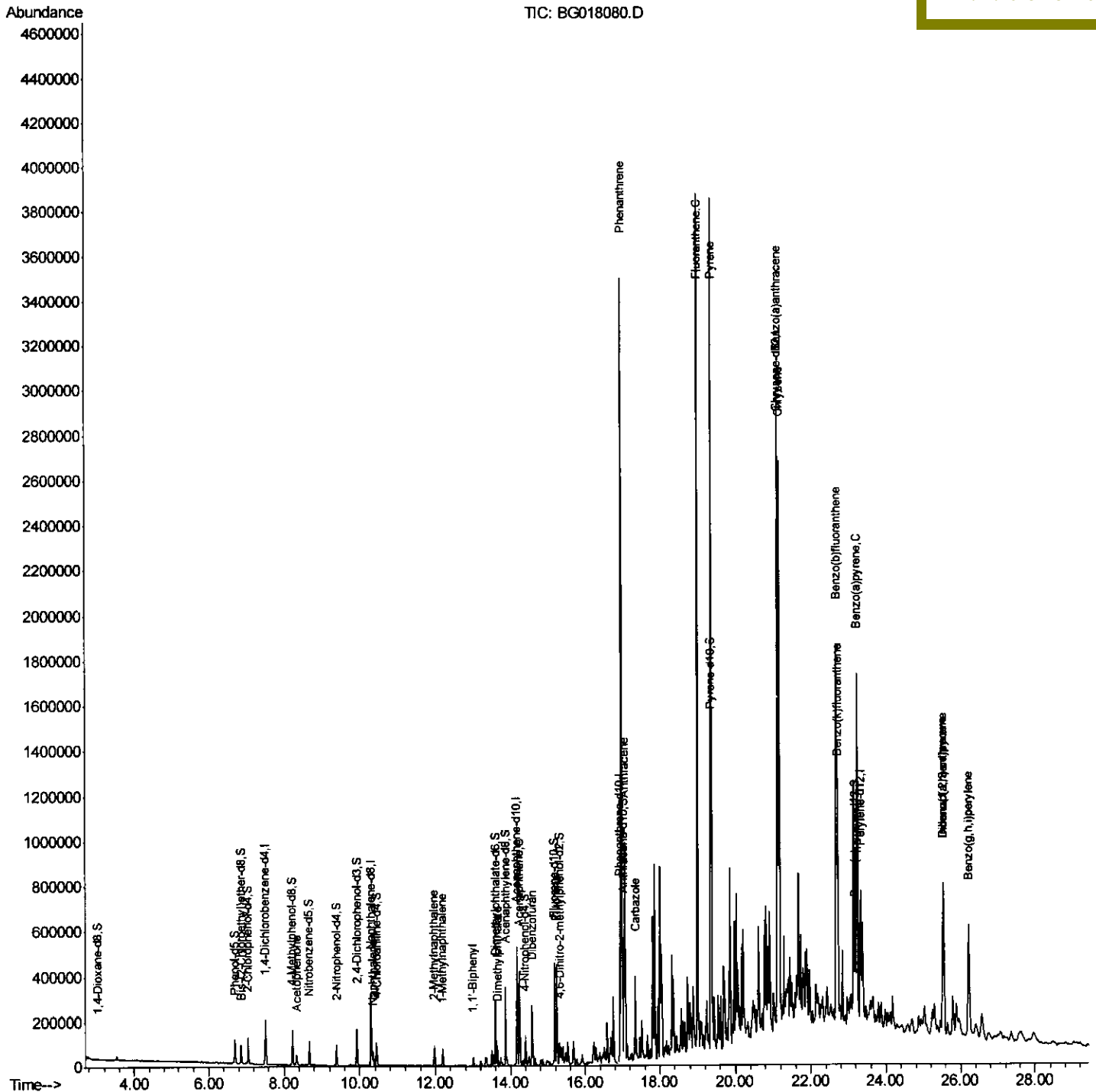
Data Path : Z:\HPCHEM1\BNA G\DATA\BG072315\  
Data File : BG018080.D  
Acq On : 24 Jul 2015 00:23  
Operator : TP/UM  
Sample : G3035-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
C02J6

Quant Time: Jul 24 02:28:18 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG072315.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 24 01:33:04 2015  
Response via : Initial Calibration

## Manual Integrations

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# Quantitation Report (Qedit)

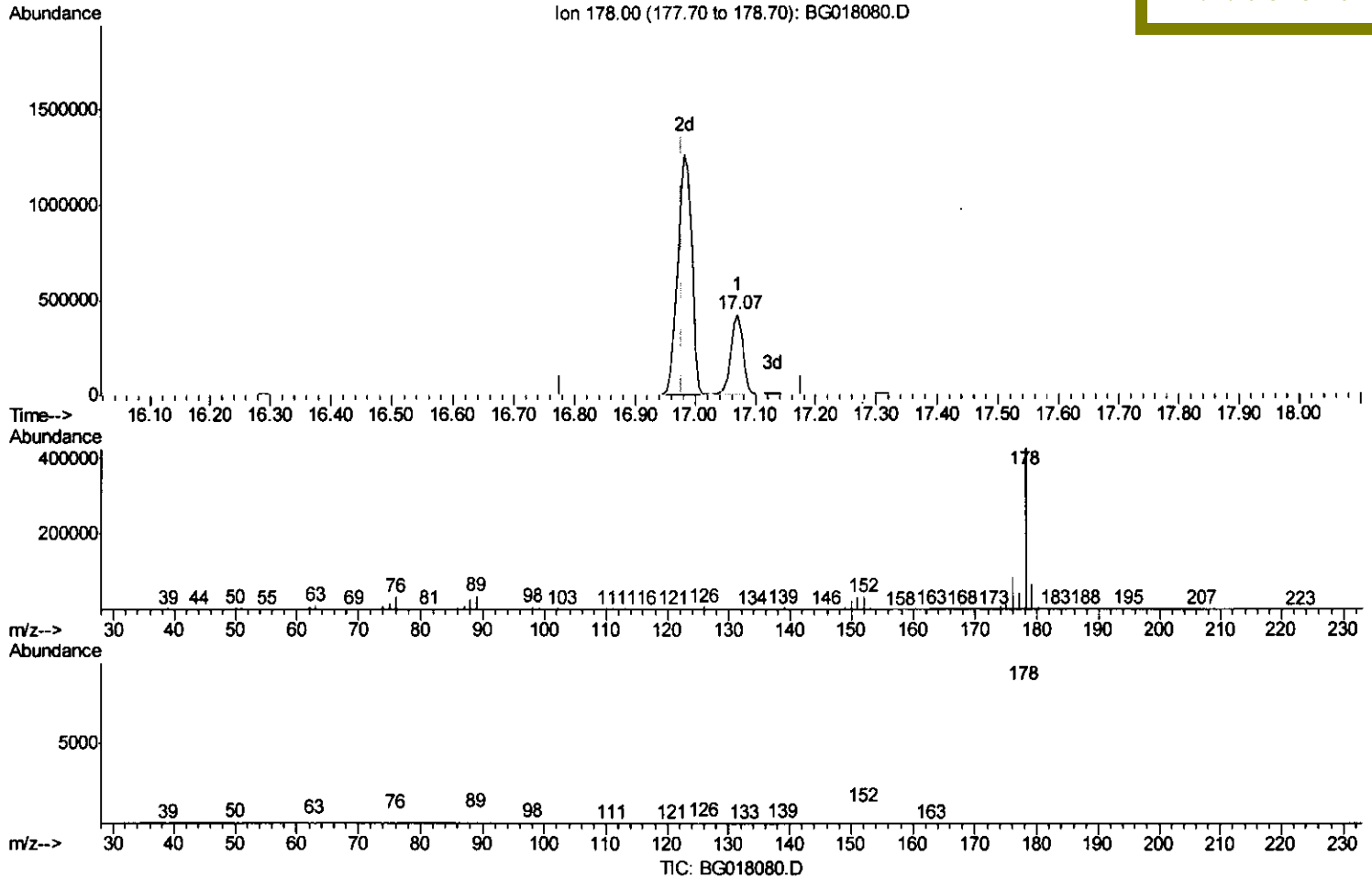
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Quant Time: Jul 24 01:35:00 2015  
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(70) Phenanthrene

17.070min (+0.094) 31.29ng/ul

response 584991

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.30 | 15.87 |
| 176.00 | 19.80 | 19.74 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

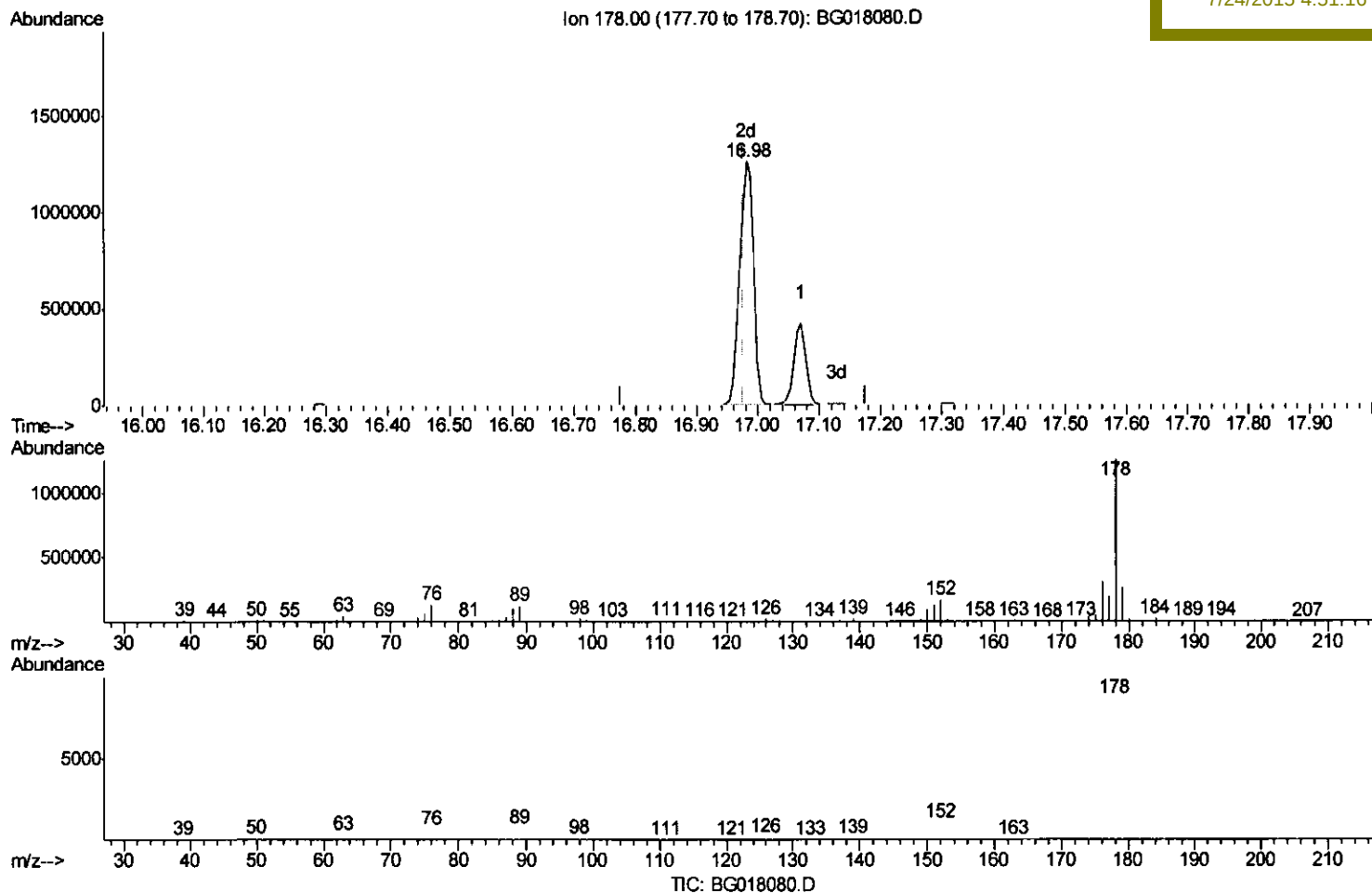
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Data File : BG018080.D  
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Operator : TP/UM  
Sample : G3035-13  
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(70) Phenanthrene

16.982min (+0.005) 108.06ng/ul m

response 2020177

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 16.30 | 20.24# |
| 176.00 | 19.80 | 24.42# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

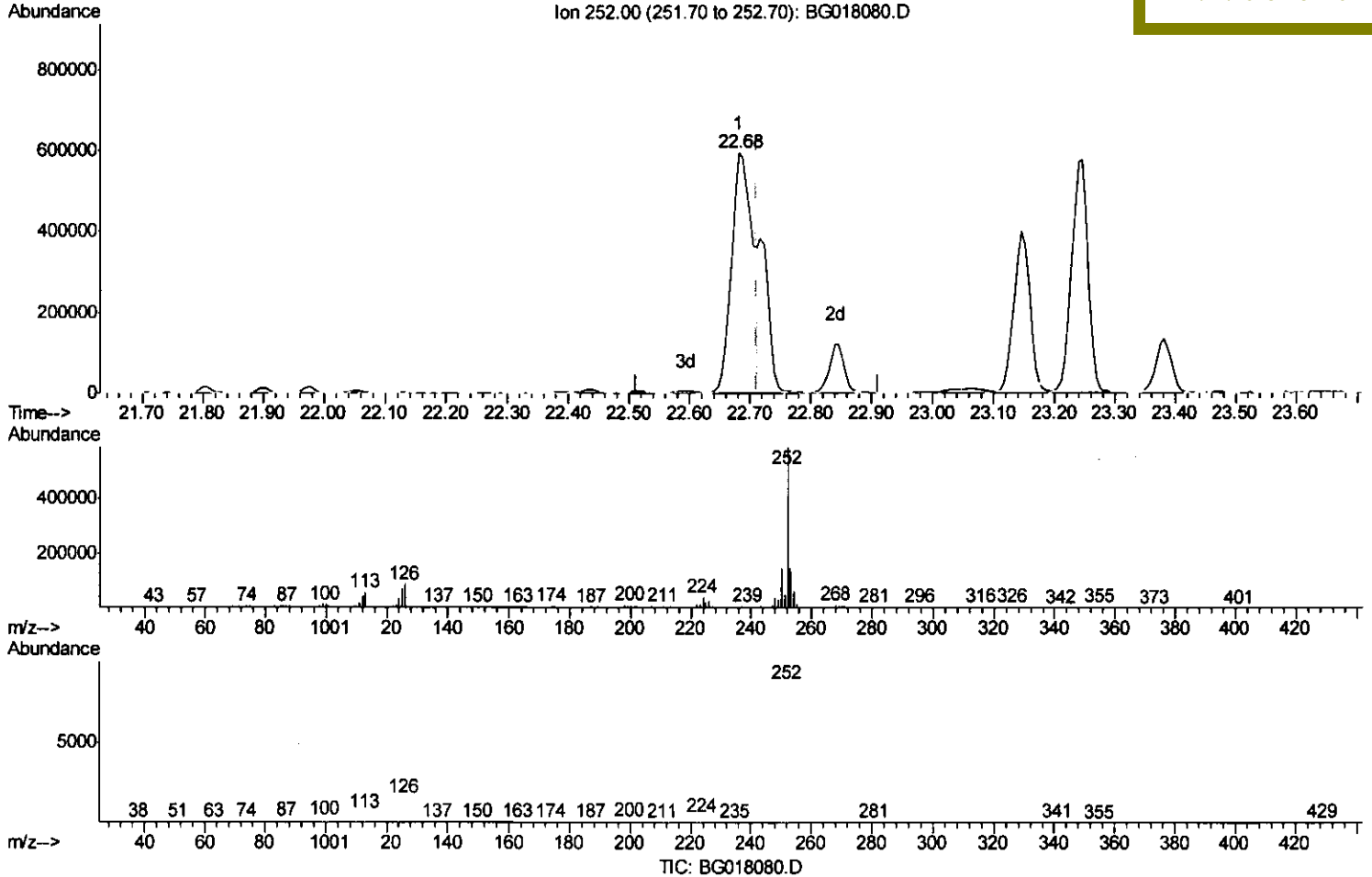
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(89) Benzo(k)fluoranthene

22.681min (-0.030) 69.96ng/ui

response 1435166

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.30 | 24.53 |
| 125.00 | 11.60 | 11.96 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

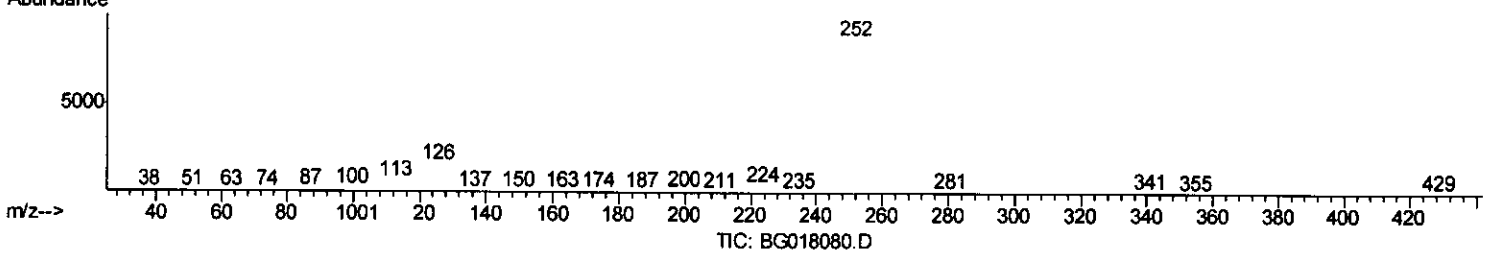
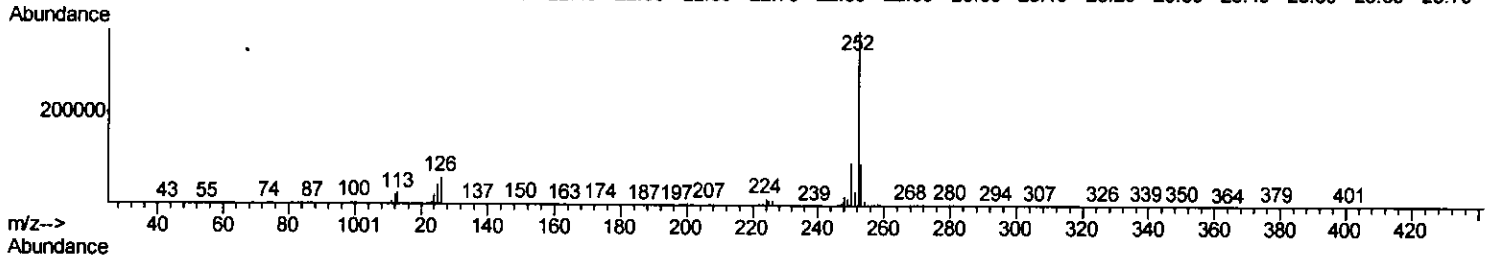
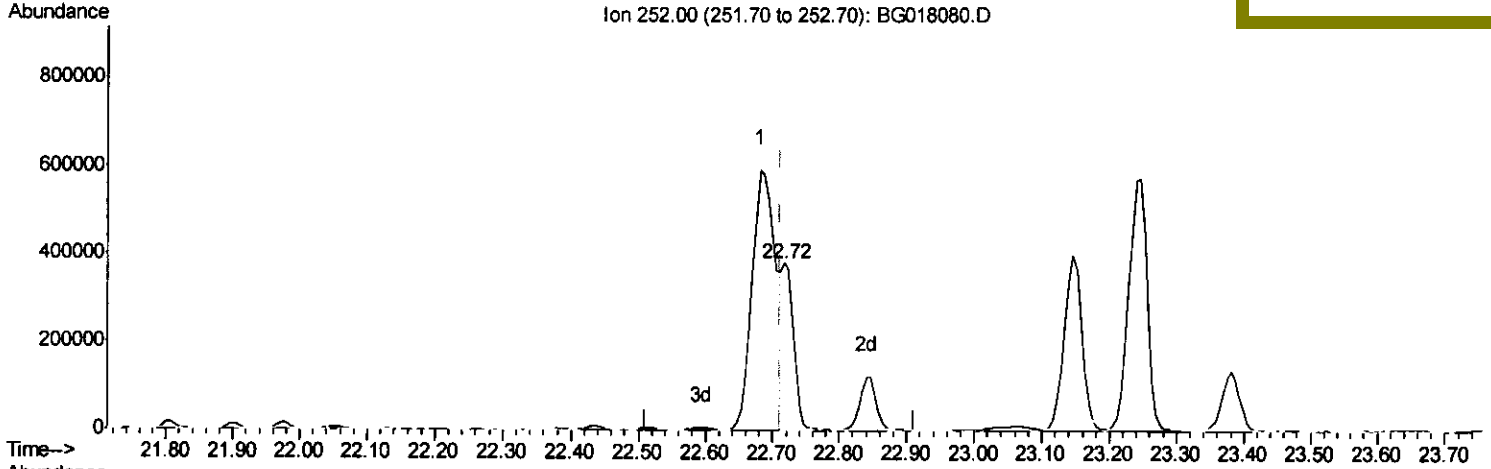
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(89) Benzo(k)fluoranthene

22.717min (+0.005) 21.10ng/ul m

response 432760

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.30 | 24.09 |
| 125.00 | 11.60 | 11.89 |
| 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 | 7.51  | 152  | 56303    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.30 | 136  | 278510   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.18 | 164  | 181483   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.94 | 188  | 372080   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 382074   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.33 | 264  | 386886   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.02  | 96  | 2269   | 2.52  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.69  | 99  | 65004  | 14.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.86  | 67  | 33008  | 15.39 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.05  | 132 | 60173  | 15.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.23  | 113 | 57395  | 14.90 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.66  | 128 | 33949  | 15.42 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 36520  | 15.71 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.92  | 165 | 63350  | 15.66 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.44 | 131 | 62622  | 13.30 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.60 | 166 | 196079 | 15.39 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.87 | 160 | 251177 | 16.04 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.40 | 143 | 34192  | 12.76 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.18 | 176 | 181832 | 15.44 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.31 | 200 | 23663  | 9.95  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.03 | 188 | 261095 | 16.20 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.34 | 212 | 260052 | 14.86 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.19 | 264 | 245802 | 13.31 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |        |        | Ovalue |
|----------------------------|-------|-----|----------|--------|--------|--------|
| 14) Acetophenone           | 8.33  | 105 | 23684    | 4.36   | ng/ul  | 88     |
| 28) Naphthalene            | 10.34 | 128 | 58790    | 4.51   | ng/ul  | 99     |
| 34) 2-Methylnaphthalene    | 11.97 | 142 | 48929    | 4.97   | ng/ul  | 97     |
| 35) 1-Methylnaphthalene    | 12.19 | 142 | 36522    | 3.80   | ng/ul  | 96     |
| 41) 1,1'-Biphenyl          | 13.00 | 154 | 19150    | 1.54   | ng/ul  | 94     |
| 45) Dimethylphthalate      | 13.64 | 163 | 57317    | 4.47   | ng/ul  | 98     |
| 50) Acenaphthene           | 14.24 | 153 | 169180   | 15.72  | ng/ul  | 98     |
| 54) Dibenzofuran           | 14.58 | 168 | 159841   | 10.45  | ng/ul  | 98     |
| 59) Fluorene               | 15.24 | 166 | 189335   | 14.38  | ng/ul  | 98     |
| 70) Phenanthrene           | 16.98 | 178 | 2020177m | 108.06 | ng/ul  | 100    |
| 72) Anthracene             | 17.07 | 178 | 585453   | 30.84  | ng/ul  | 99     |
| 75) Carbazole              | 17.34 | 167 | 218368   | 13.28  | ng/ul  | 99     |
| 77) Fluoranthene           | 19.01 | 202 | 2096286  | 105.26 | ng/ul# | 94     |
| 80) Pyrene                 | 19.38 | 202 | 2289310  | 104.63 | ng/ul# | 91     |
| 83) Benzo(a)anthracene     | 21.13 | 228 | 1273289  | 63.01  | ng/ul  | 91     |
| 85) Chrysene               | 21.18 | 228 | 1261922  | 66.32  | ng/ul# | 89     |
| 88) Benzo(b)fluoranthene   | 22.68 | 252 | 1435166  | 67.71  | ng/ul  | 98     |
| 89) Benzo(k)fluoranthene   | 22.72 | 252 | 432760m  | 21.10  | ng/ul  | 97     |
| 91) Benzo(a)pyrene         | 23.25 | 252 | 1078358  | 52.53  | ng/ul  | 95     |
| 92) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 619972   | 26.18  | ng/ul  | 78     |
| 93) Dibenzo(a,h)anthracene | 25.55 | 278 | 189323   | 9.36   | ng/ul# | 99     |
| 94) Benzo(a,h,i)perylene   | 26.22 | 276 | 581411   | 29.71  | ng/ul  | 99     |

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BNA\_G  
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C02J6

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APPROVED

apatel  
7/24/2015 4:51:16 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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