

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080715\  
Data File : BG018311.D  
Acq On : 7 Aug 2015 16:00  
Operator : UM/TP  
Sample : G3030-20REDL 5X

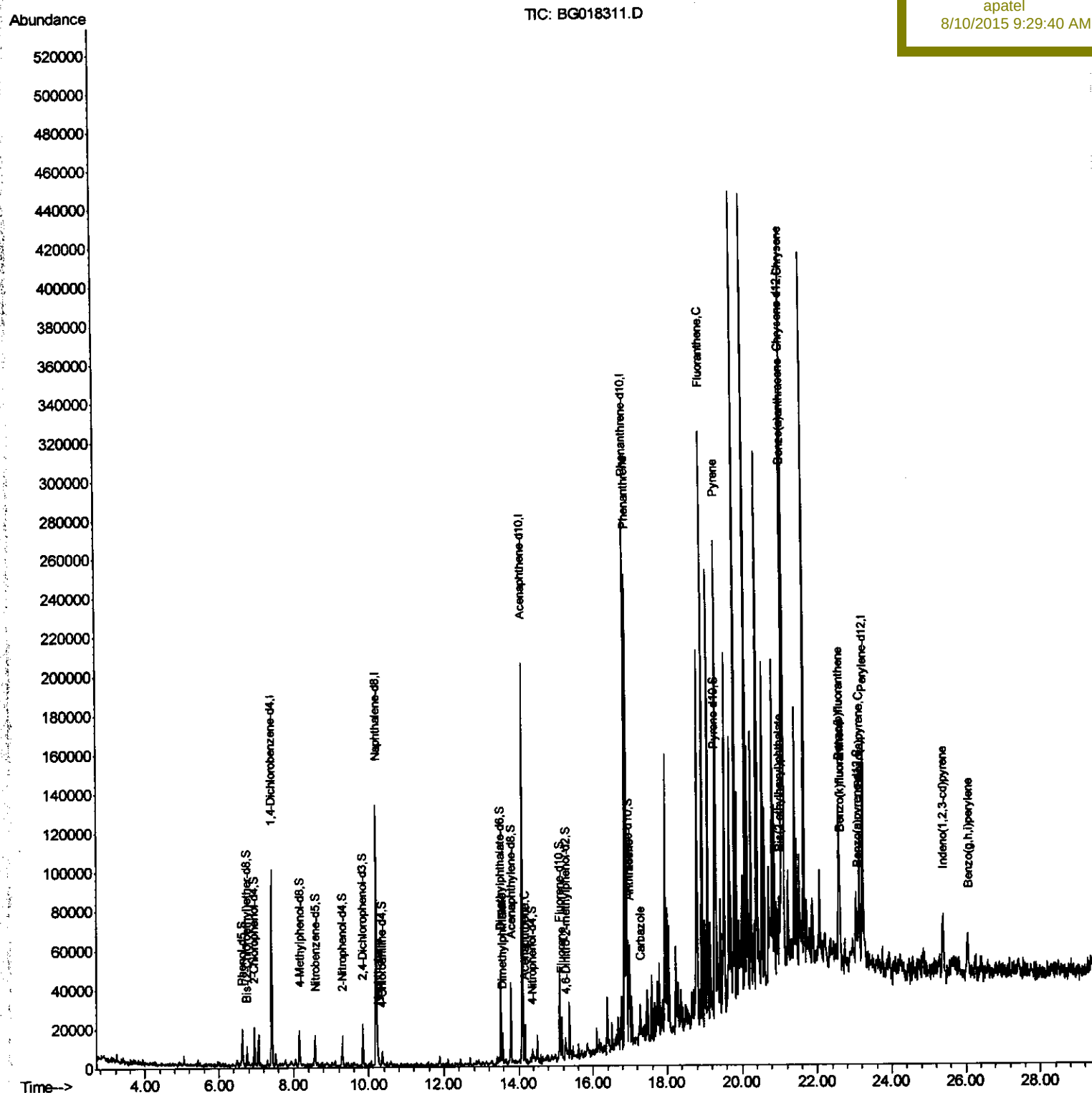
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 08 00:52:18 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 07 23:39:35 2015  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampleId :  
C02K6REDL

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 20460    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.20 | 136  | 93333    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.10 | 164  | 60742    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.86 | 188  | 129104m  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.07 | 240  | 104929   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.23 | 264  | 84177    | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d    | 0.00 | ng/uL |       |
| 5) Phenol-d5                   | 6.63  | 99  | 6965  | 4.33 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 3840  | 4.94 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 5650  | 4.22 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 5326  | 3.92 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.57  | 128 | 2653  | 3.67 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 3304  | 3.95 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 5766  | 3.75 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 3507  | 1.91 | ng/ul | 0.01  |
| 44) Dimethylphthalate-d6       | 13.52 | 166 | 21033 | 4.48 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.79 | 160 | 23391 | 4.39 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.37 | 143 | 1660m | 2.14 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.10 | 176 | 18052 | 4.28 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 2172m | 2.43 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.96 | 188 | 24225 | 4.27 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.27 | 212 | 23059 | 3.93 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.09 | 264 | 15912 | 3.63 | ng/ul | -0.01 |

| Target Compounds               |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 28) Naphthalene                | 10.25 | 128 | 6087    | 1.39  | ng/ul  | 98     |
| 45) Dimethylphthalate          | 13.57 | 163 | 8215    | 1.75  | ng/ul# | 94     |
| 50) Acenaphthene               | 14.17 | 153 | 6476    | 1.82  | ng/ul# | 94     |
| 59) Fluorene                   | 15.16 | 166 | 8561    | 1.87  | ng/ul# | 73     |
| 70) Phenanthrene               | 16.90 | 178 | 123808m | 19.00 | ng/ul  |        |
| 72) Anthracene                 | 16.99 | 178 | 28867   | 4.44  | ng/ul  | 98     |
| 75) Carbazole                  | 17.28 | 167 | 10987m  | 2.00  | ng/ul  |        |
| 77) Fluoranthene               | 18.94 | 202 | 158602m | 21.95 | ng/ul  |        |
| 80) Pyrene                     | 19.30 | 202 | 138404  | 18.97 | ng/ul  | 98     |
| 83) Benzo(a)anthracene         | 21.06 | 228 | 60640   | 10.95 | ng/ul  | 96     |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 10508   | 3.09  | ng/ul# | 89     |
| 85) Chrysene                   | 21.11 | 228 | 56091   | 11.27 | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene       | 22.58 | 252 | 55183   | 10.69 | ng/ul# | 96     |
| 89) Benzo(k)fluoranthene       | 22.62 | 252 | 19178   | 3.87  | ng/ul# | 96     |
| 91) Benzo(a)pyrene             | 23.13 | 252 | 37133   | 8.24  | ng/ul  | 95     |
| 92) Indeno(1,2,3-cd)pyrene     | 25.39 | 276 | 28168   | 5.05  | ng/ul  | 98     |
| 94) Benzo(g,h,i)perylene       | 26.06 | 276 | 26015   | 5.75  | ng/ul  | 97     |

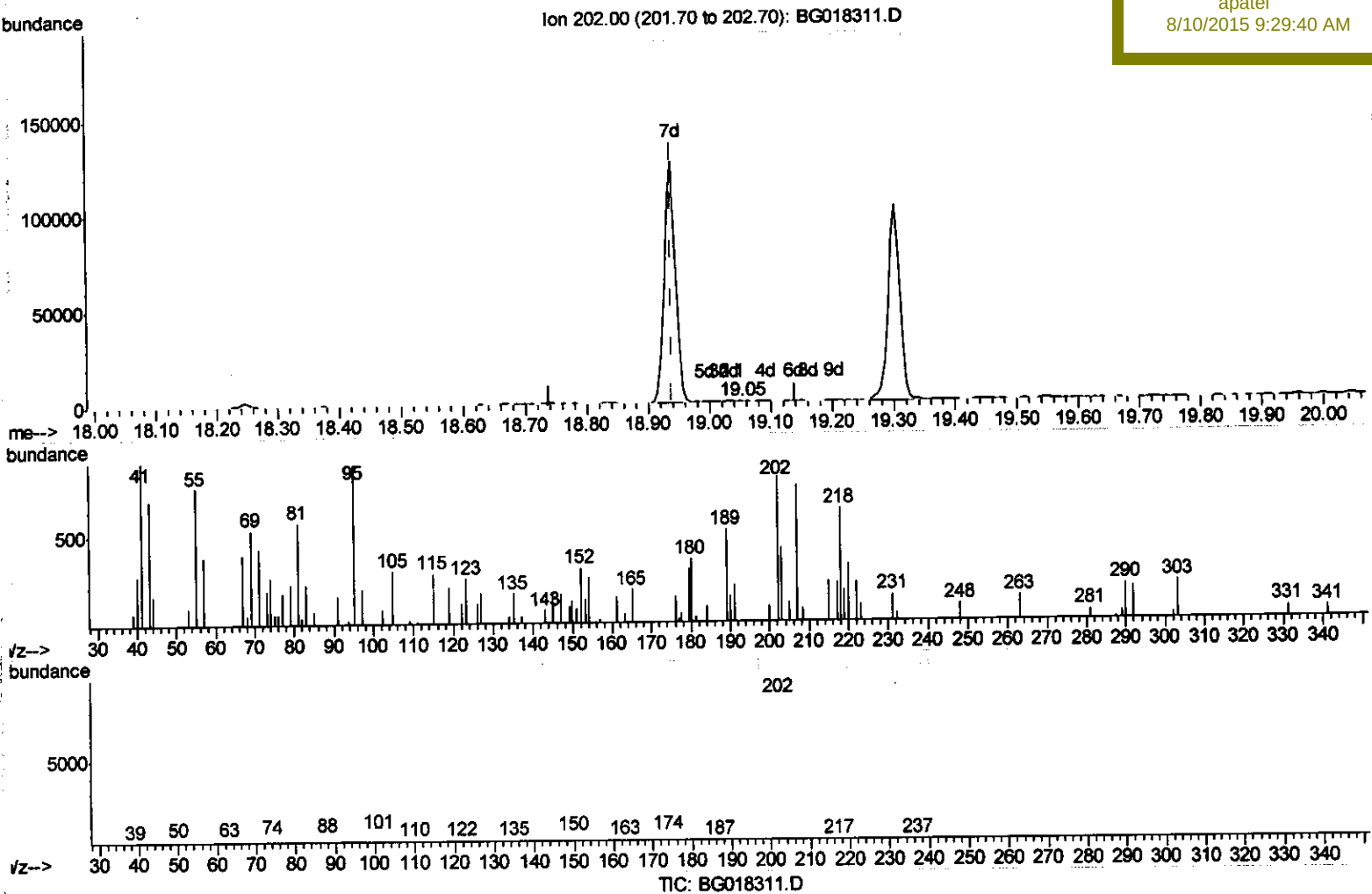
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Quant Time: Aug 10 14:34:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080515.M  
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(77) Fluoranthene (C)

19.051min (+0.111) 0.34ng/ul

response 461

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 7.70 | 0.00# |
| 100.00 | 5.70 | 0.00# |
| 0.00   | 0.00 | 0.00  |

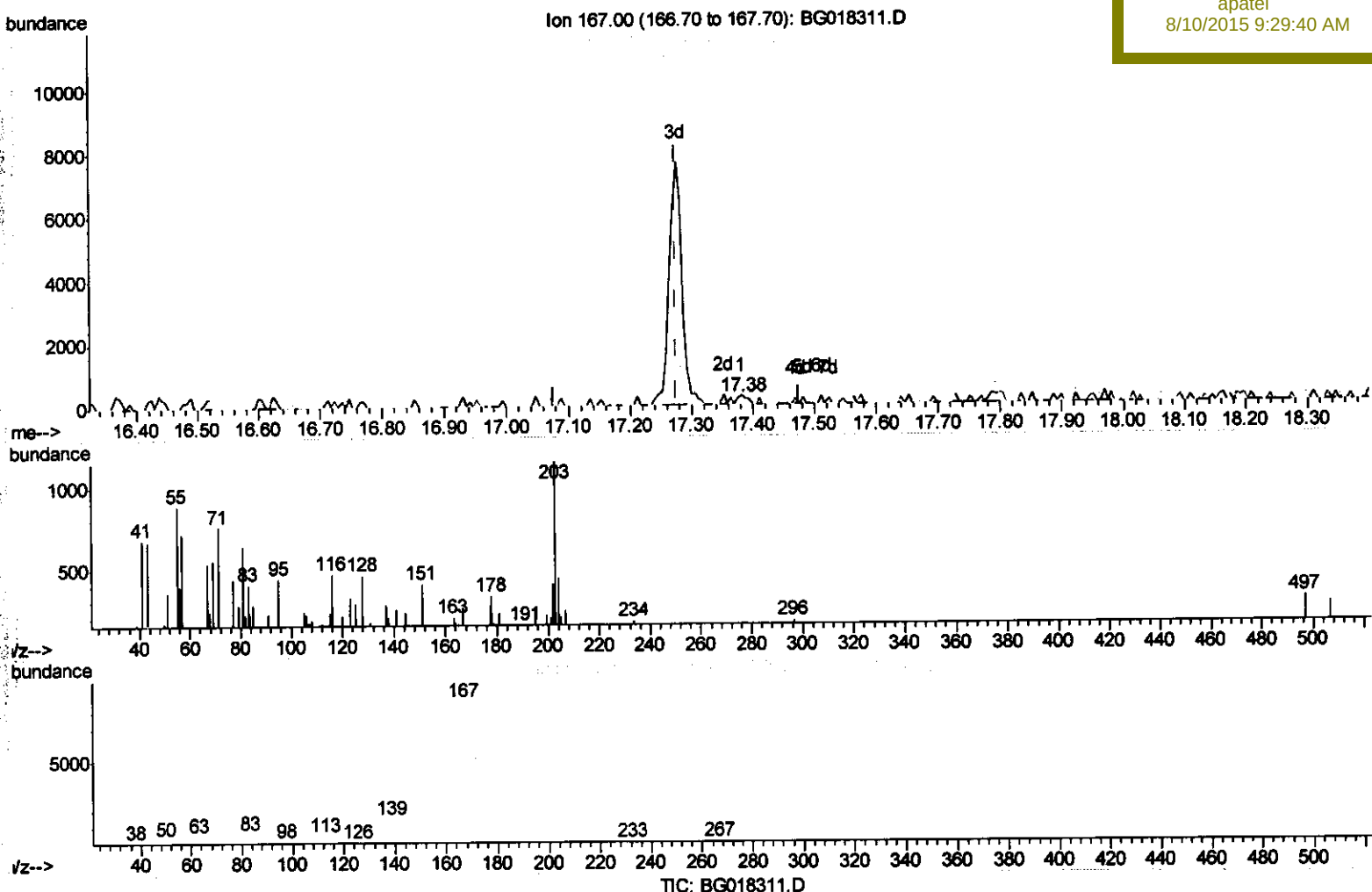
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 Response via : Initial Calibration



(75) Carbazole

17.382min (+0.106) 0.28ng/ul

response 291

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 167.00 | 100   | 100   |
| 166.00 | 22.30 | 0.00# |
| 139.00 | 13.30 | 0.00# |
| 0.00   | 0.00  | 0.00  |

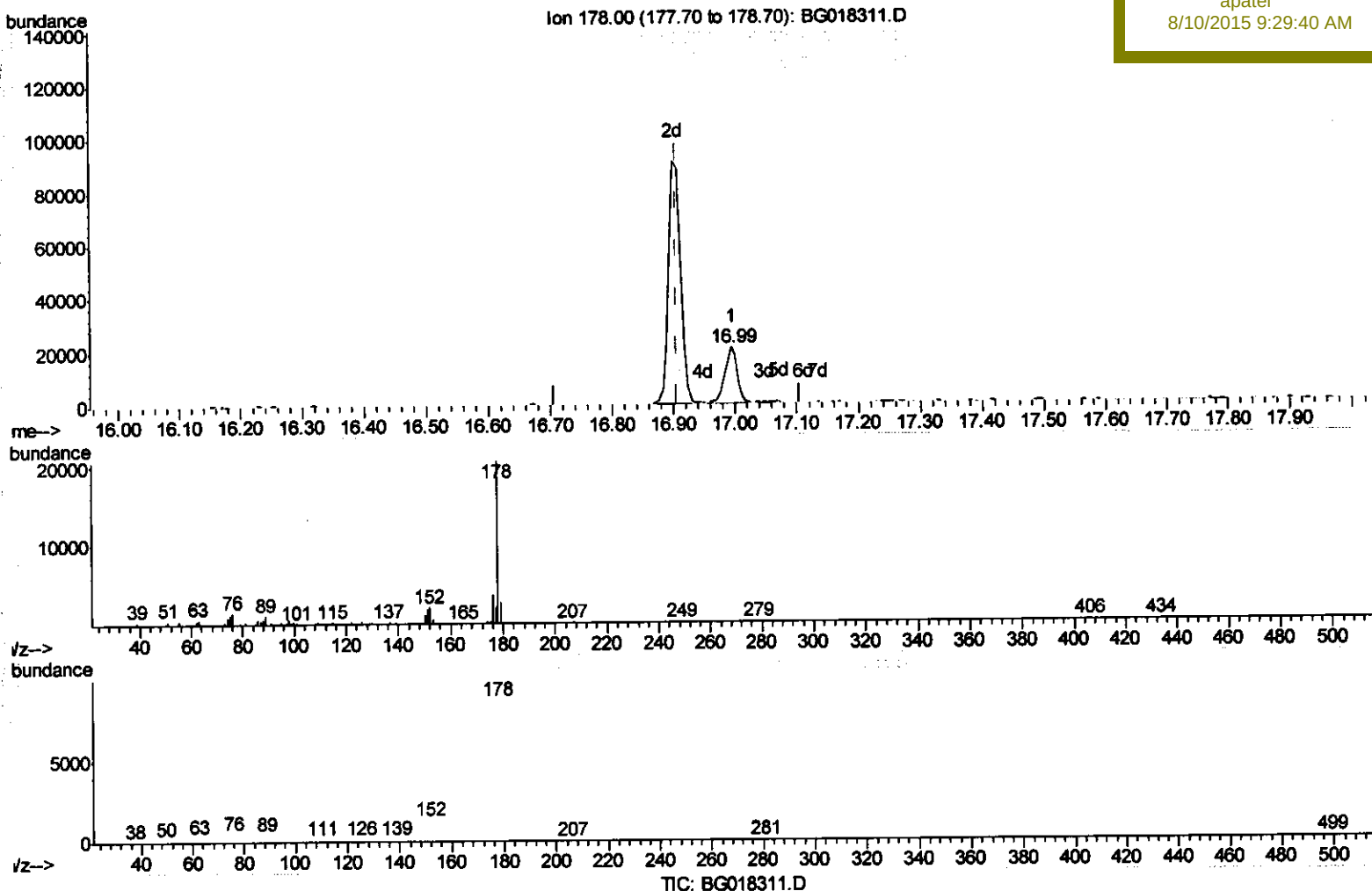
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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Manual Integrations  
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(70) Phenanthrene

16.994min (+0.088) 23.61ng/ul

response 28867

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 13.81 |
| 176.00 | 18.10 | 18.41 |
| 0.00   | 0.00  | 0.00  |

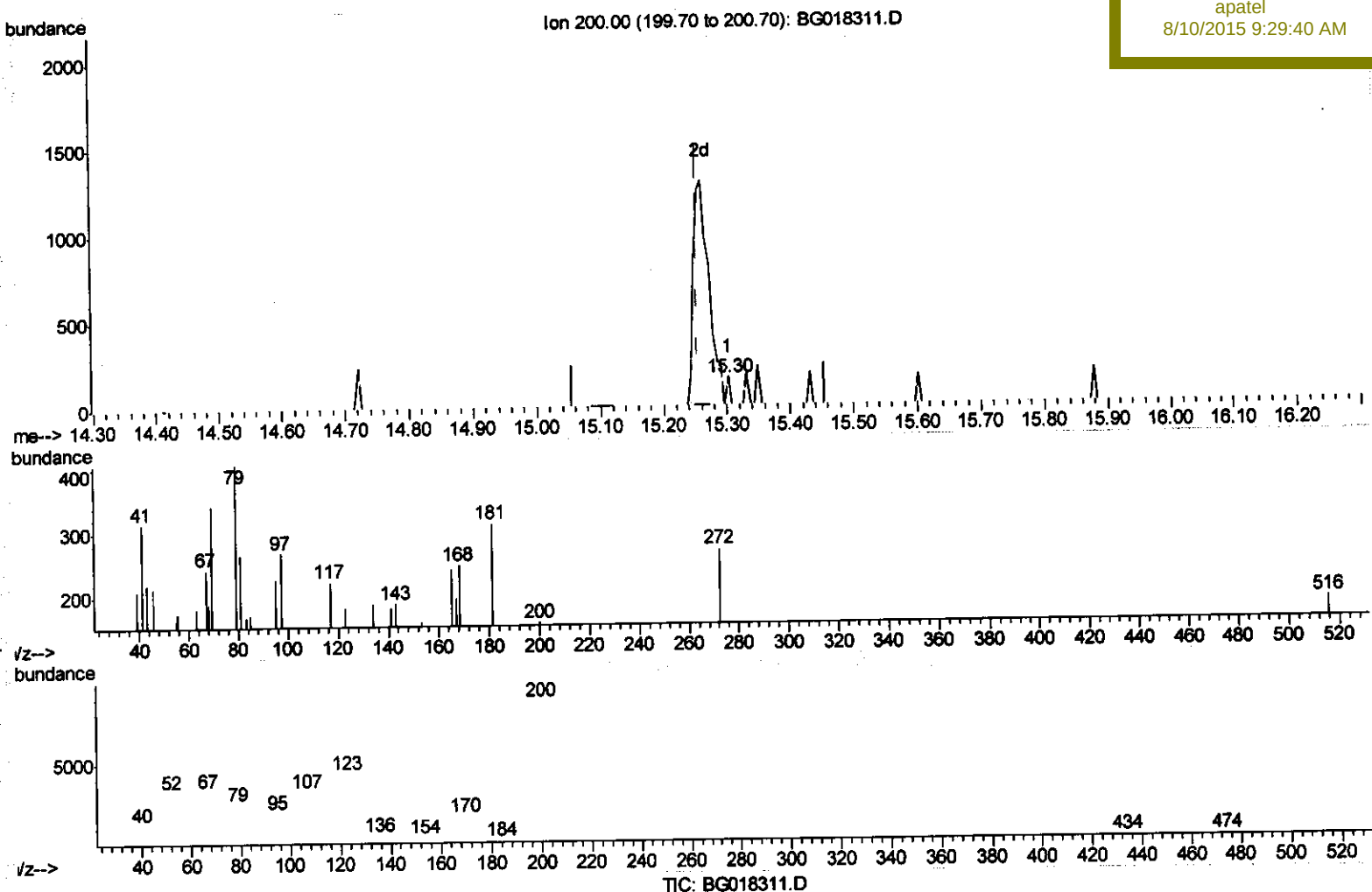
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.302min (+0.047) 0.33ng/ul

response 55

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 17.70 | 0.00# |
| 52.00  | 27.80 | 0.00# |
| 0.00   | 0.00  | 0.00  |

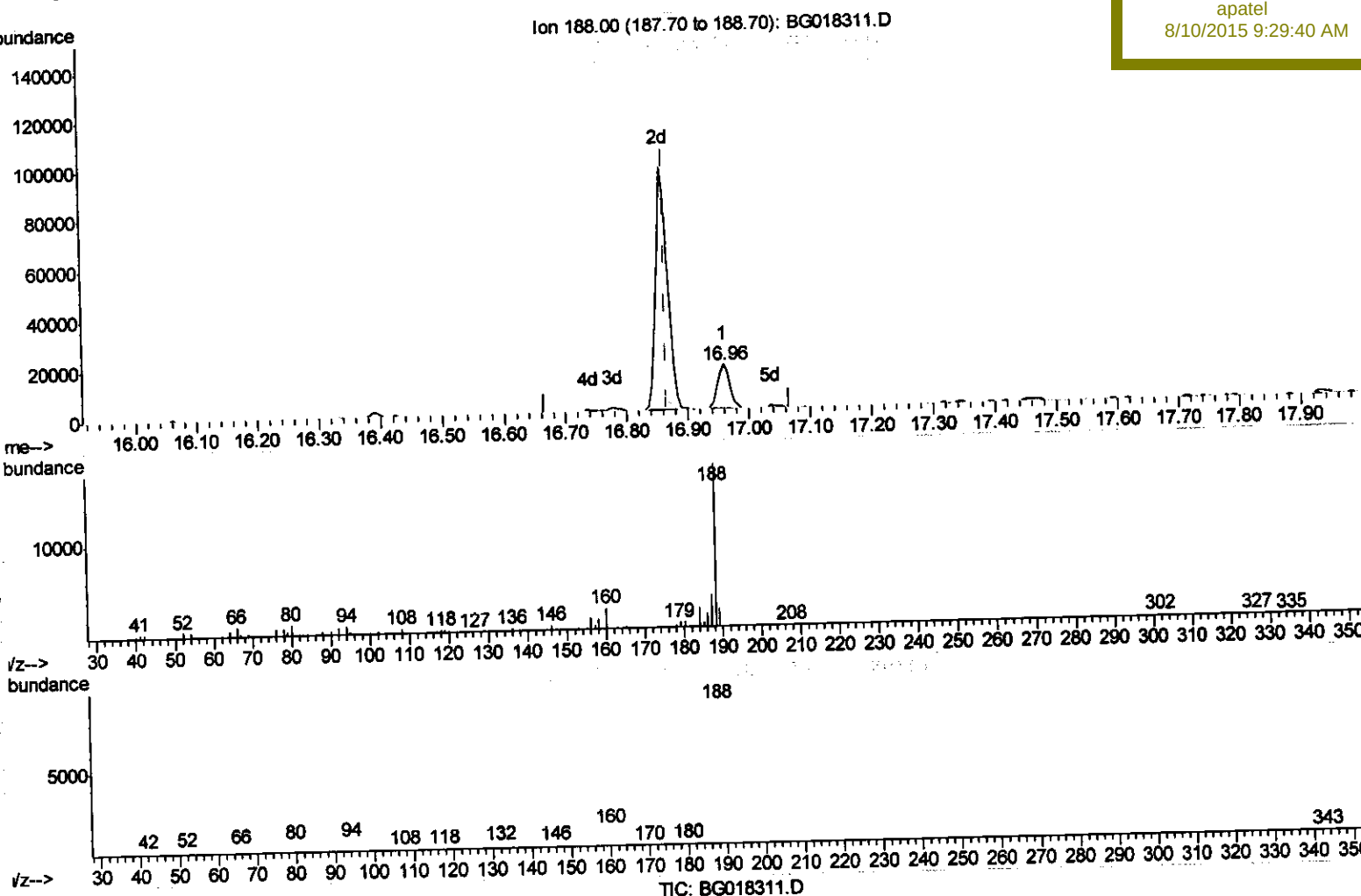
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 Operator : UM/TP  
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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 BNA\_G  
 ClientSampleId :  
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Manual Integration  
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(62) Phenanthrene-d10 (I)

16.959min (+0.094) 20.00ng/ul

response 24225

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 6.50 | 5.79 |
| 80.00  | 6.10 | 7.08 |
| 0.00   | 0.00 | 0.00 |

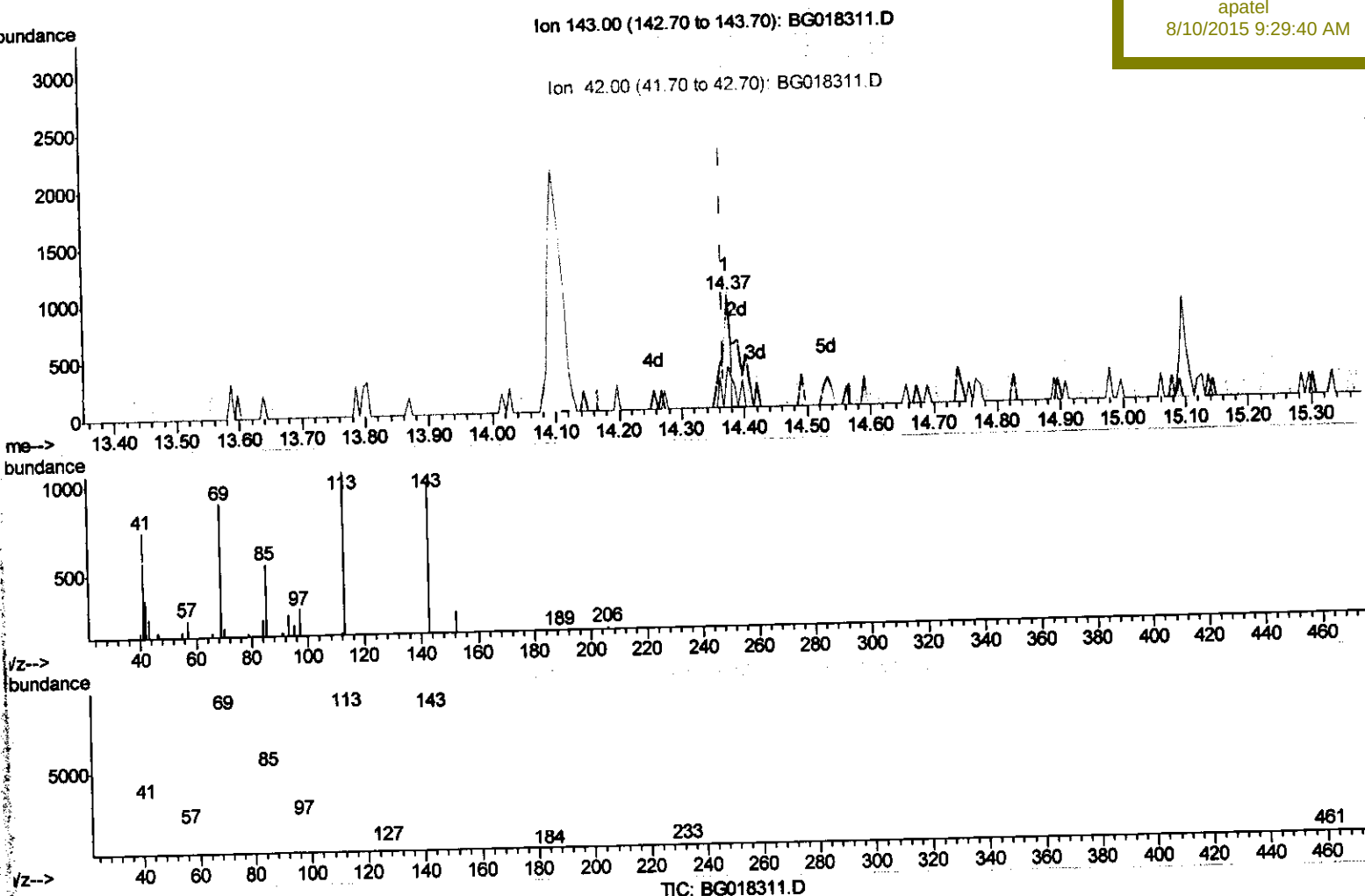
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 C02K6REDL

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 Response via : Initial Calibration



(52) 4-Nitrophenol-d4 (S)

14.374min (+0.006) 1.17ng/ul

response 906

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 100.50 | 107.40 |
| 41.00  | 27.20  | 74.57# |
| 42.00  | 20.30  | 36.98# |



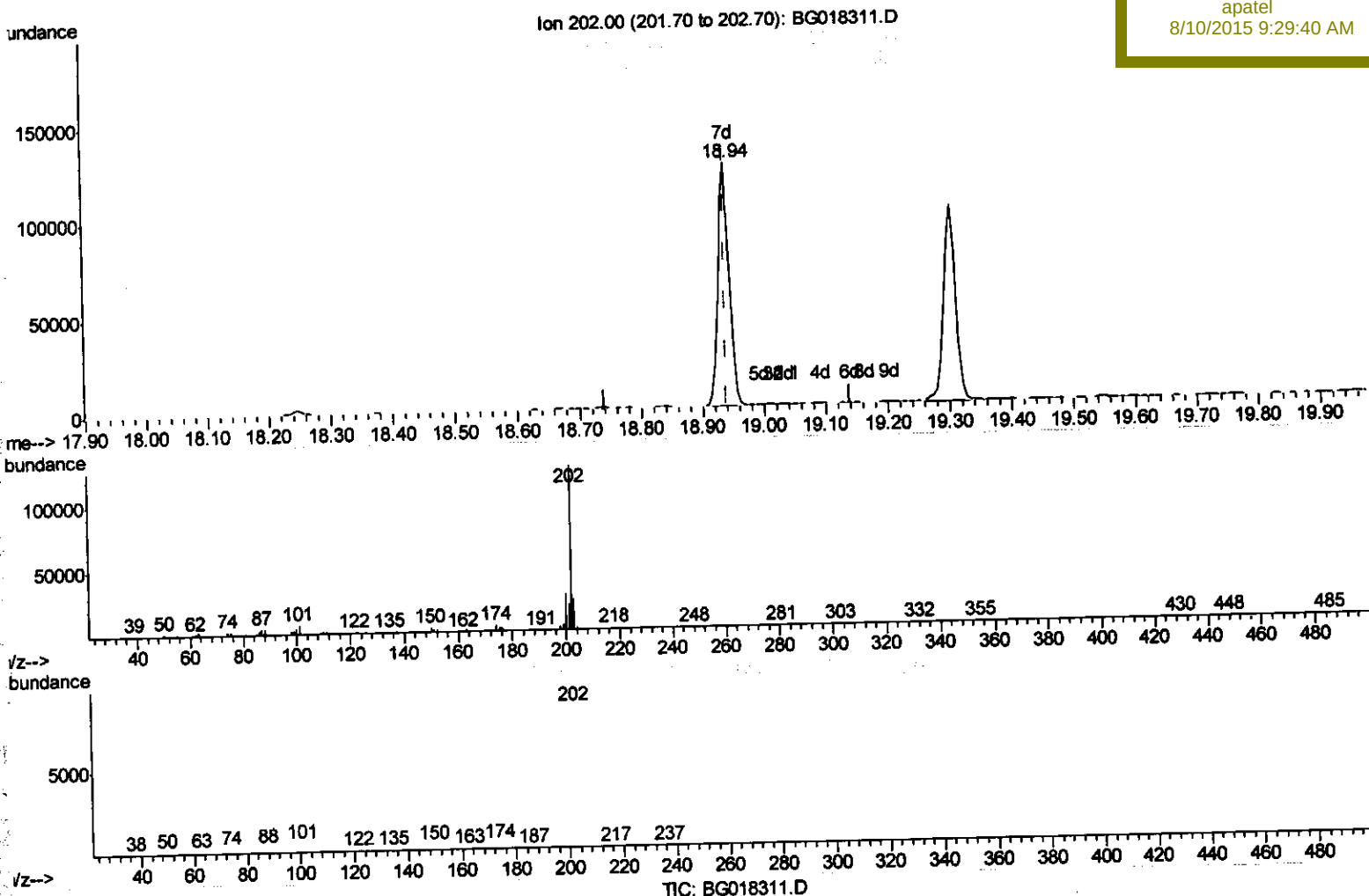
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 Data File : BG018311.D  
 Acq On : 7 Aug 2015 16:00  
 Operator : UM/TP  
 Sample : G3030-20REDL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 C02K6REDL

Manual Integration  
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 Response via : Initial Calibration



(77) Fluoranthene (C)  
 18.939min (-0.000) 21.95ng/ul m  
 response 158602  

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 7.70 | 5.80# |
| 100.00 | 5.70 | 3.35# |
| 0.00   | 0.00 | 0.00  |

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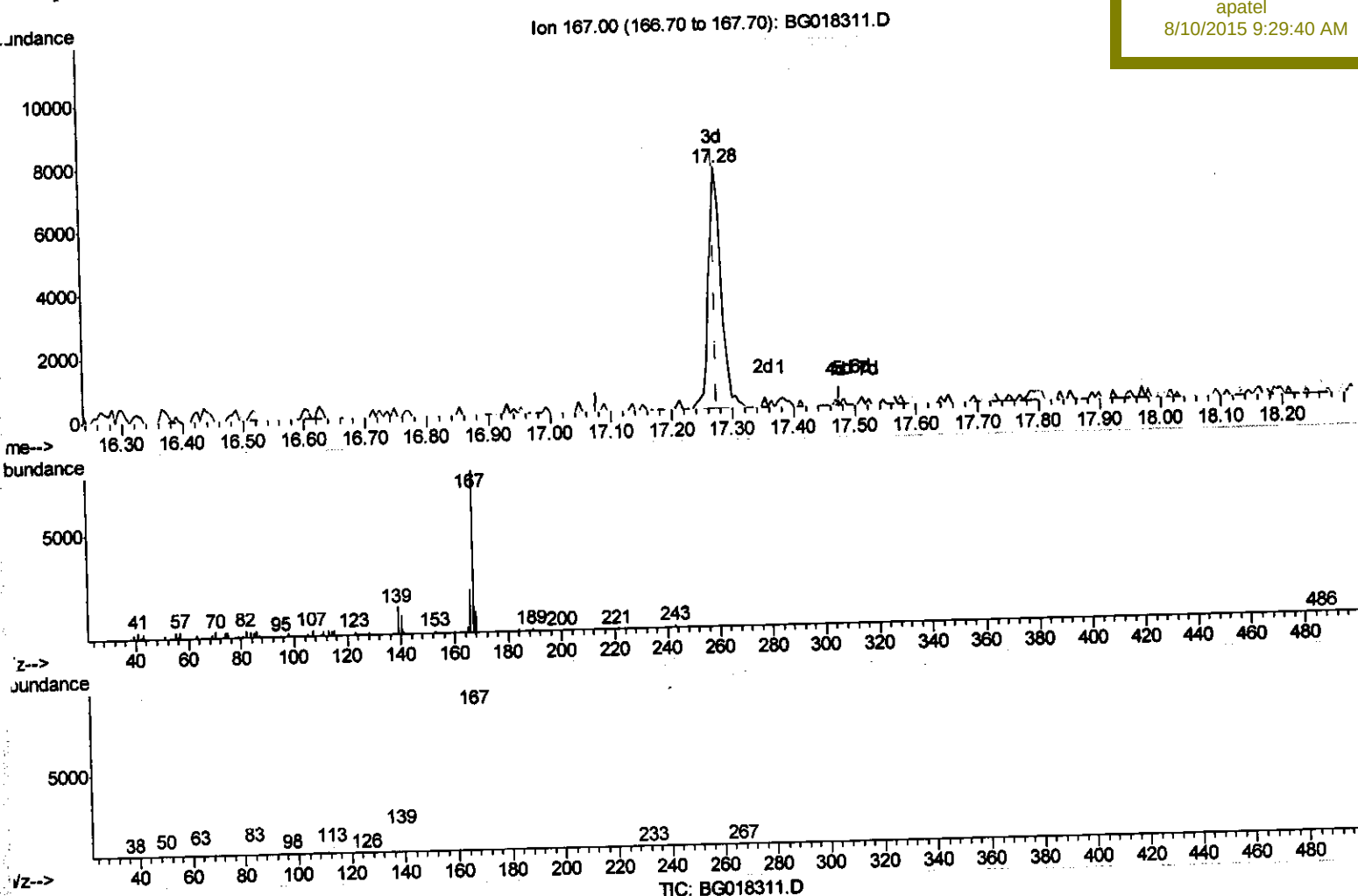
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080715\  
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02K6REDL

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Manual Integration  
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(75) Carbazole

17.276min (-0.000) 2.00ng/ul m

response 10987

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 167.00 | 100   | 100    |
| 166.00 | 22.30 | 27.97# |
| 139.00 | 13.30 | 18.63# |
| 0.00   | 0.00  | 0.00   |

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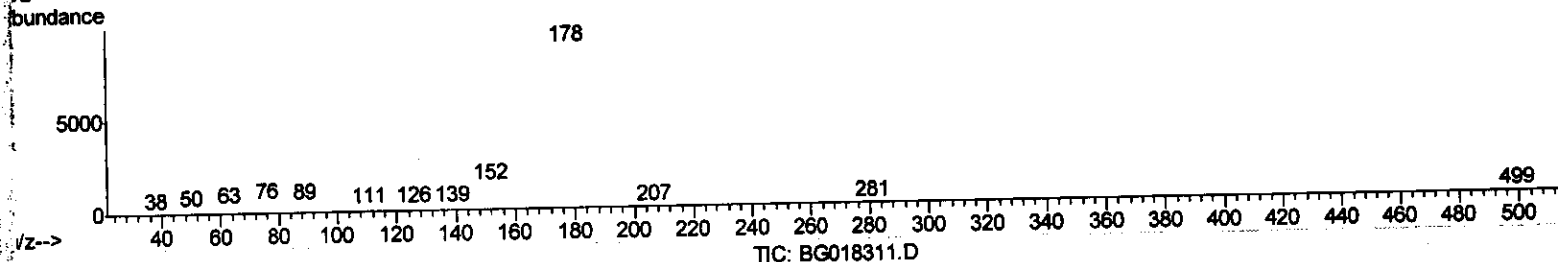
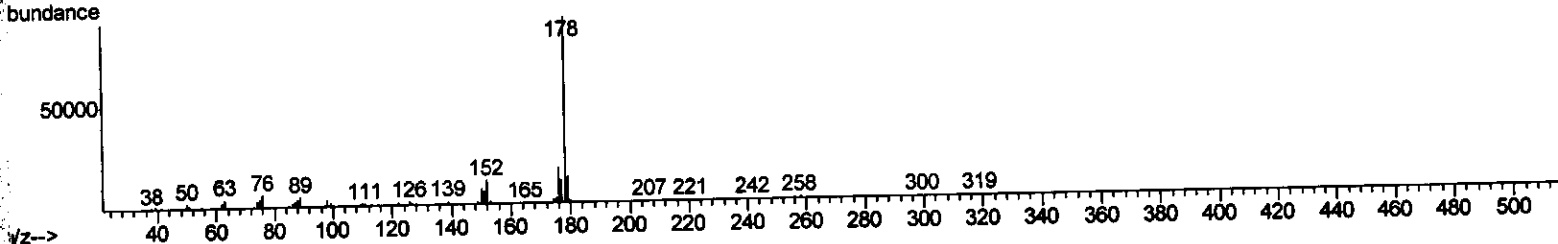
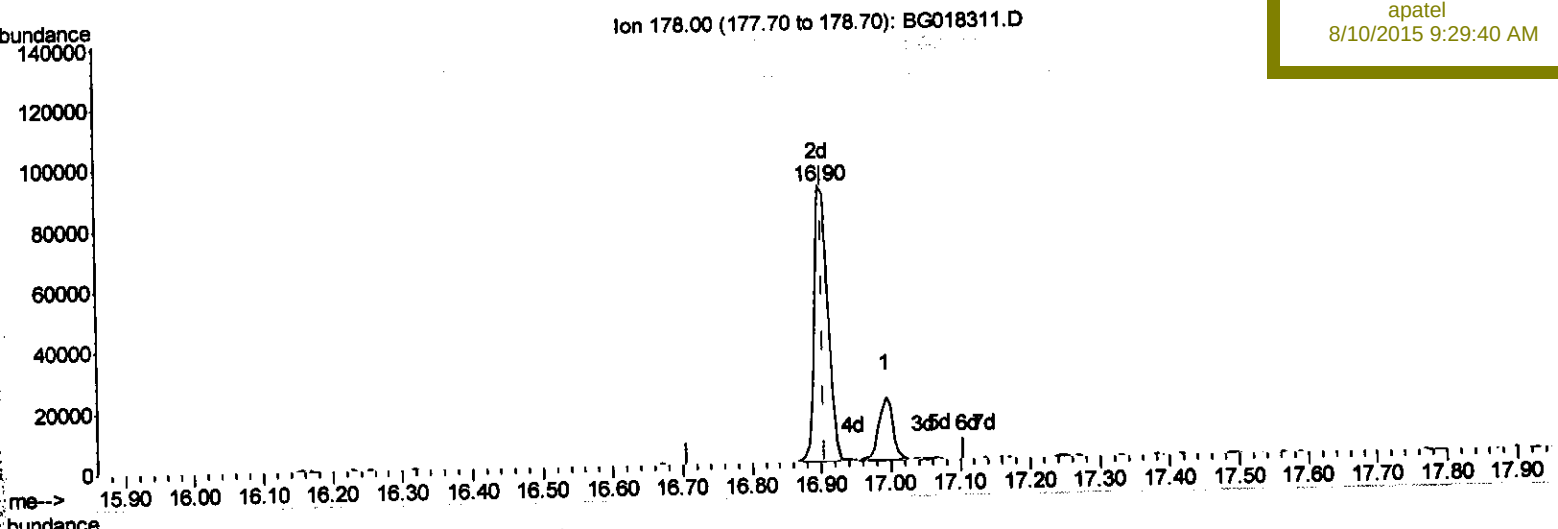
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(70) Phenanthrene

16.900min (-0.006) 19.00ng/ul m

response 123808

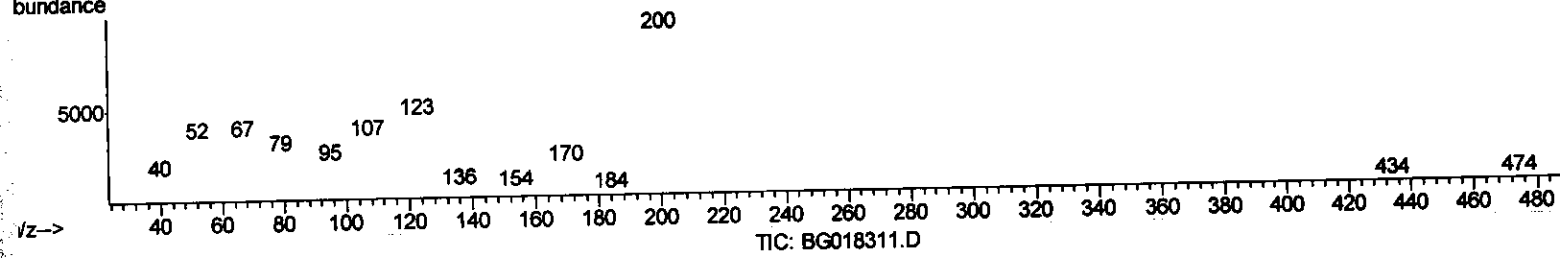
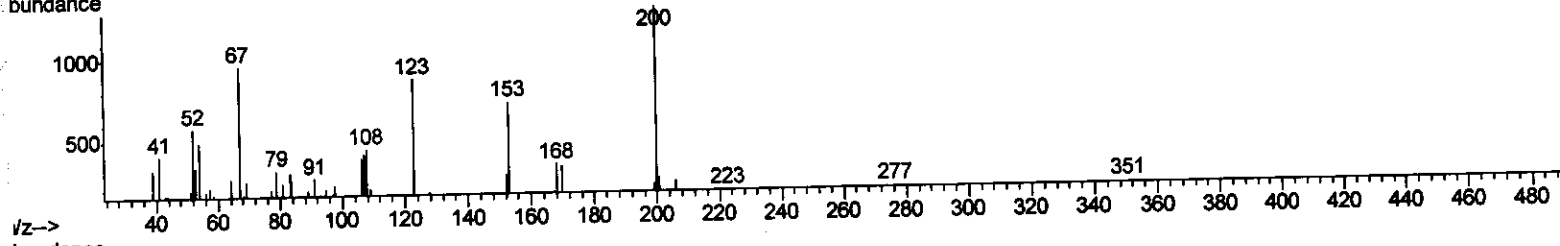
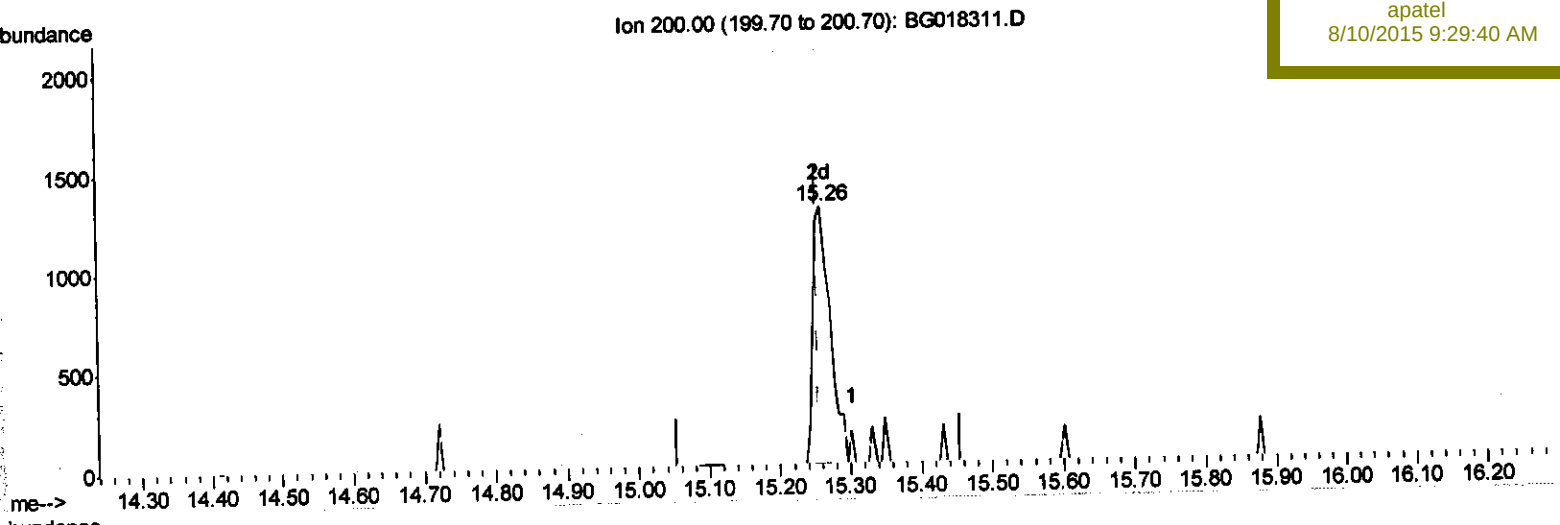
| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 14.80 |
| 176.00 | 18.10 | 19.43 |
| 0.00   | 0.00  | 0.00  |

*Handwritten signature:* T.P. 08/08/15

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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.261min (+0.006) 2.43ng/ul m

response 2172

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 17.70 | 24.55# |
| 52.00  | 27.80 | 44.77# |
| 0.00   | 0.00  | 0.00   |

*T.P.*  
*8/10/15*

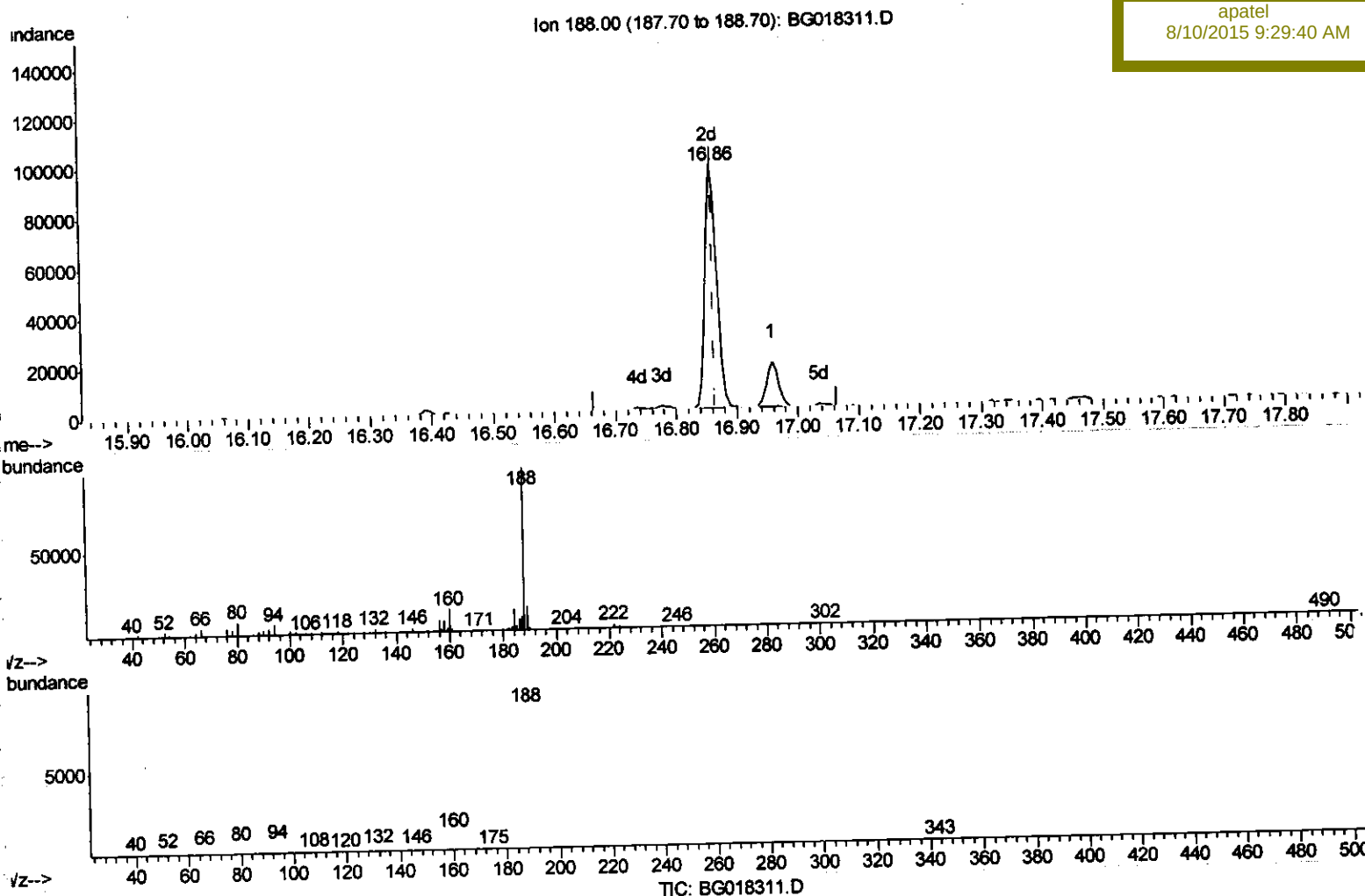
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 8/10/2015 9:29:40 AM



(62) Phenanthrene-d10 (I)

16.859min (-0.006) 20.00ng/ul m

response 129104

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 6.50 | 6.23  |
| 80.00  | 6.10 | 7.89# |
| 0.00   | 0.00 | 0.00  |

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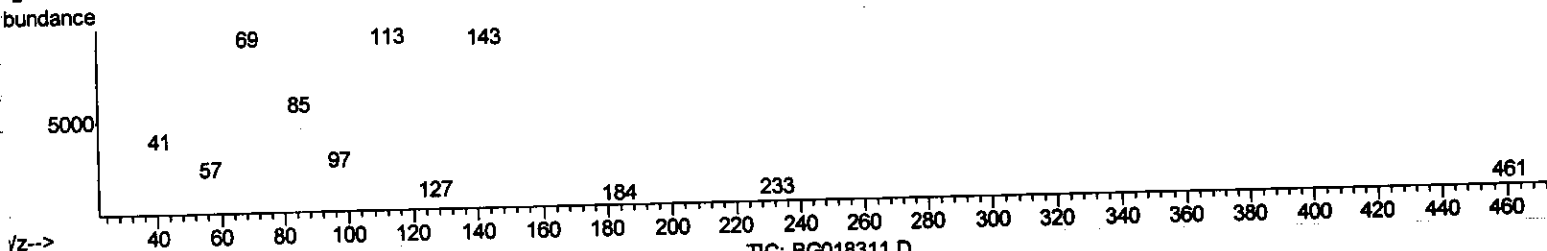
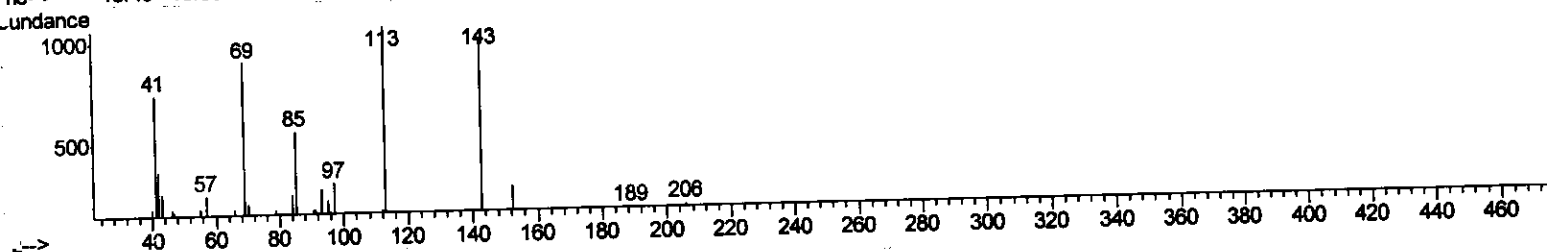
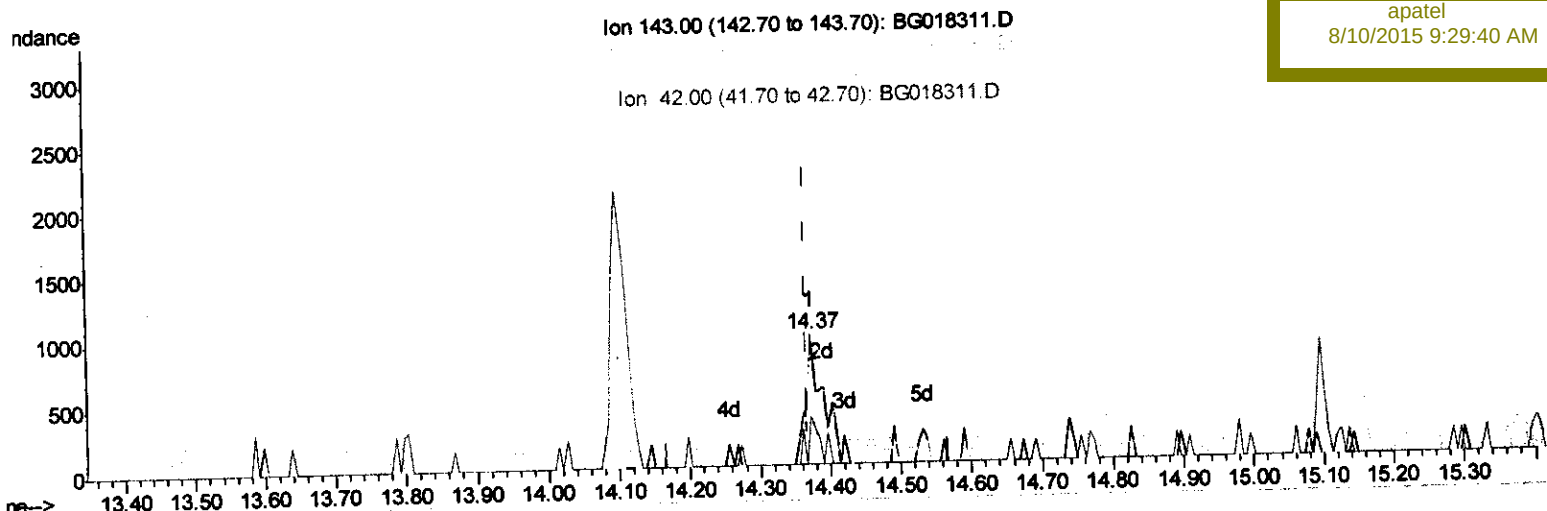
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(52) 4-Nitrophenol-d4 (S)

14.374min (+0.006) 2.14ng/ul m

response 1660

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 100.50 | 107.40 |
| 41.00  | 27.20  | 74.57# |
| 42.00  | 20.30  | 36.98# |

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