

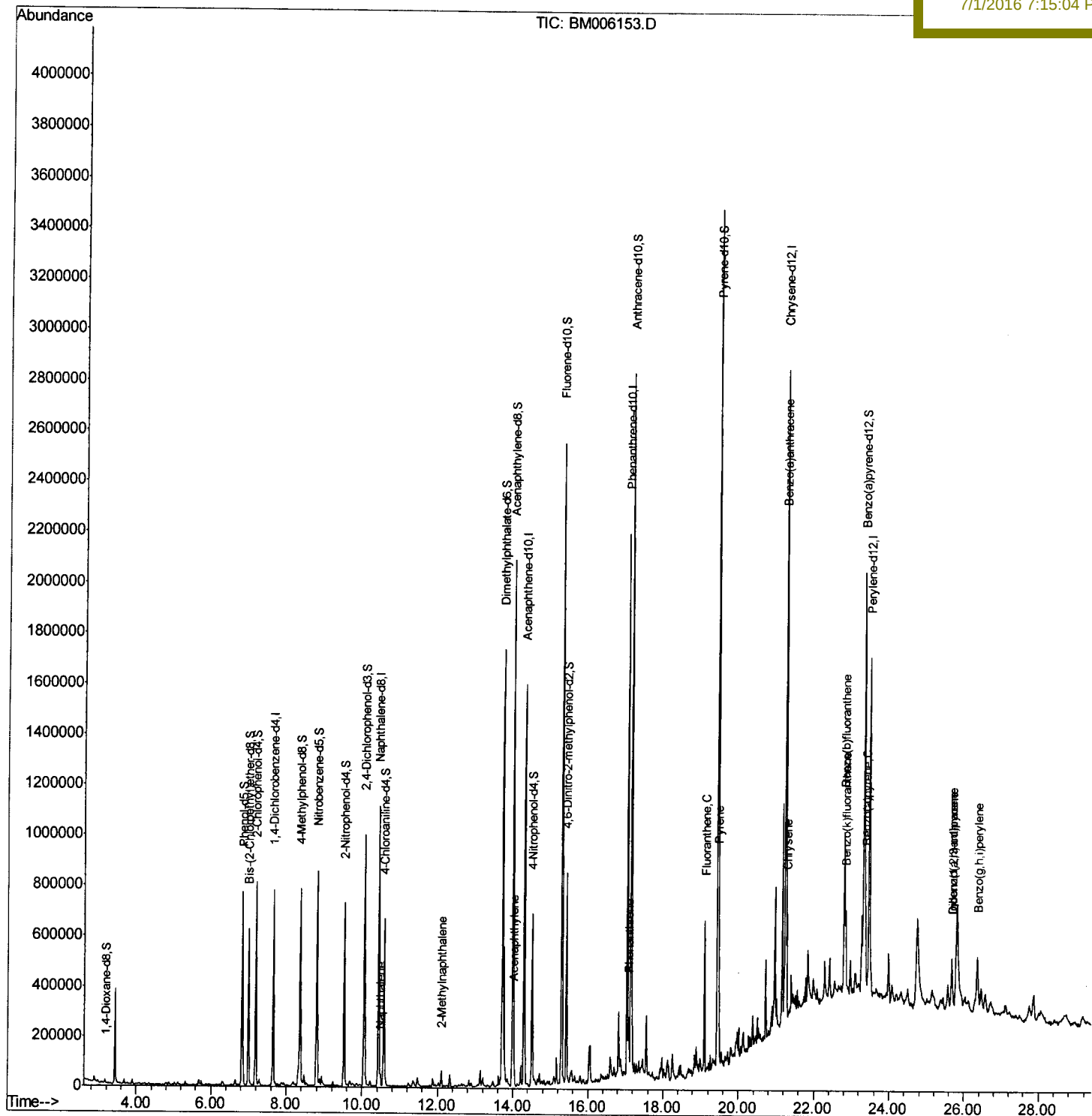
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
Data File : BM006153.D  
Acq On : 30 Jun 2016 10:45  
Operator : UM/SJ  
Sample : H3777-12  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 15:18:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jun 29 00:57:09 2016  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
D9YC2

Manual Integrations  
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## Quantitation Report (Qedit)

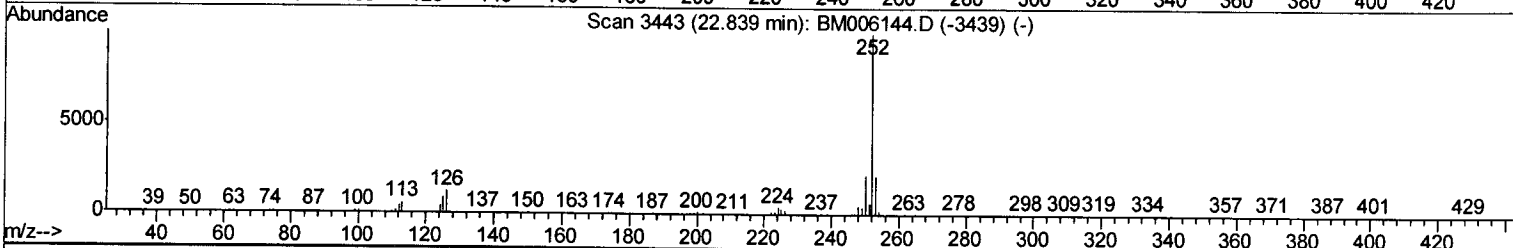
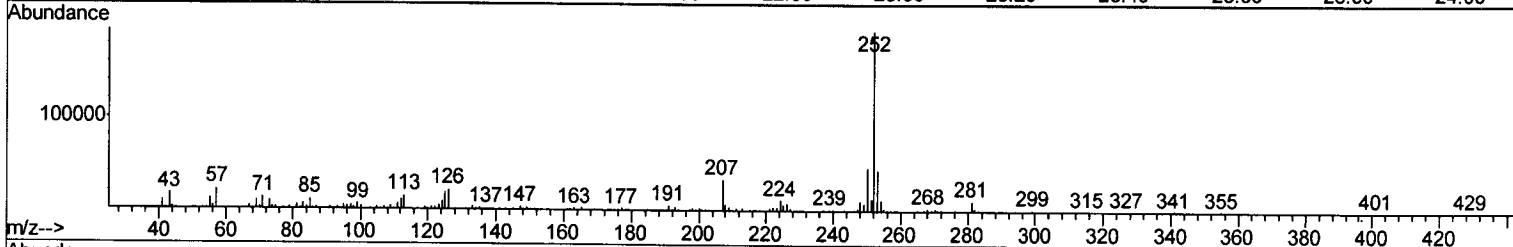
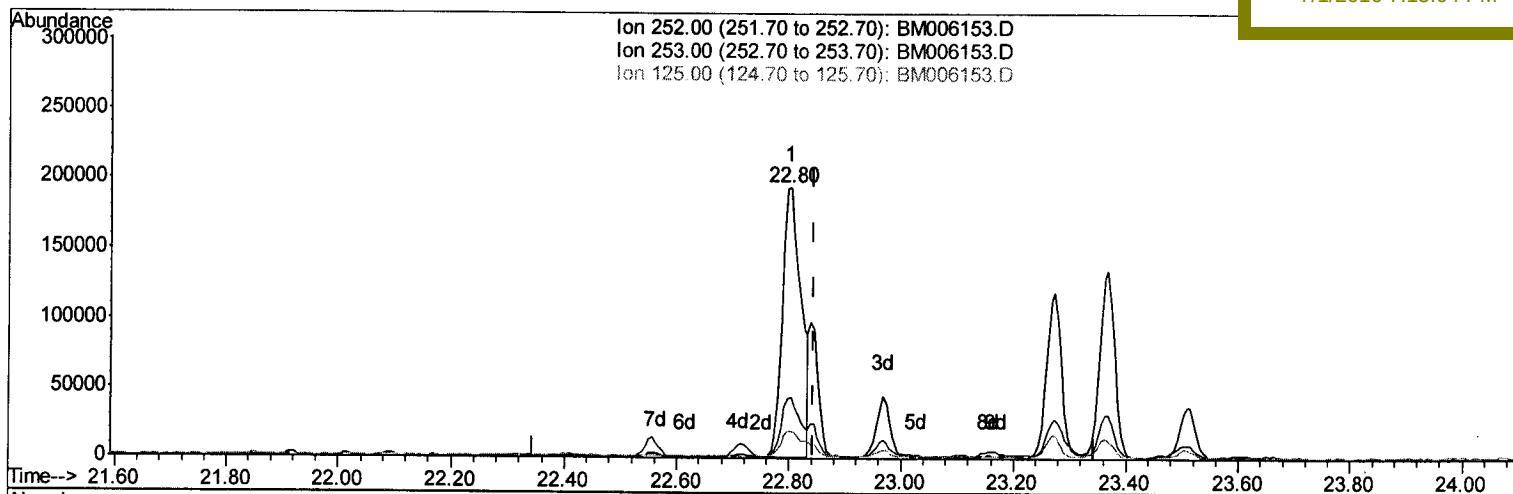
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Instrument :  
BNA\_M  
ClientSampleId :  
D9YC2

Quant Time: Jun 30 14:59:51 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jun 29 00:57:09 2016  
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TIC: BM006153.D

(36) Benzo(k)fluoranthene

22.803min (-0.041) 9.48ng/ul

response 448669

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 22.85 |
| 125.00 | 10.10 | 9.85  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

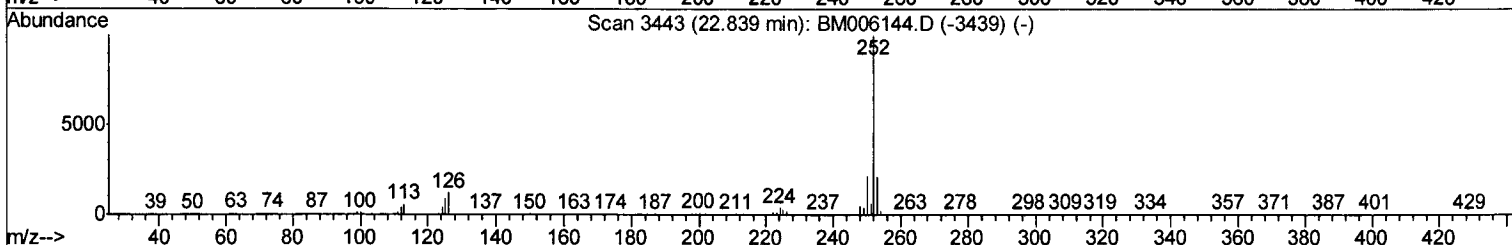
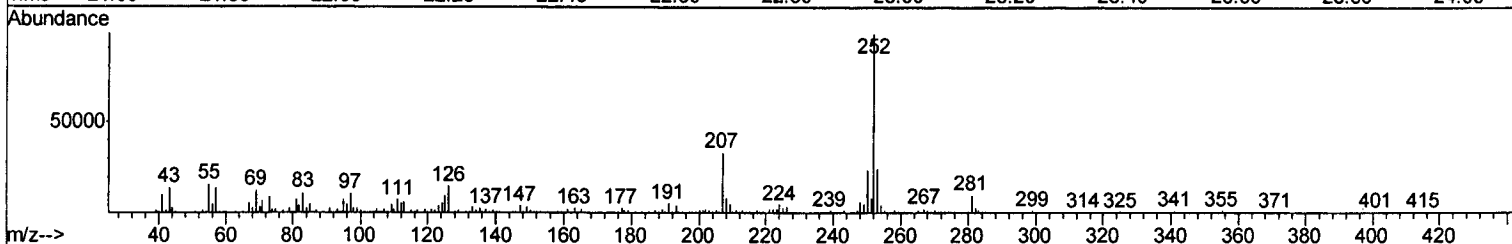
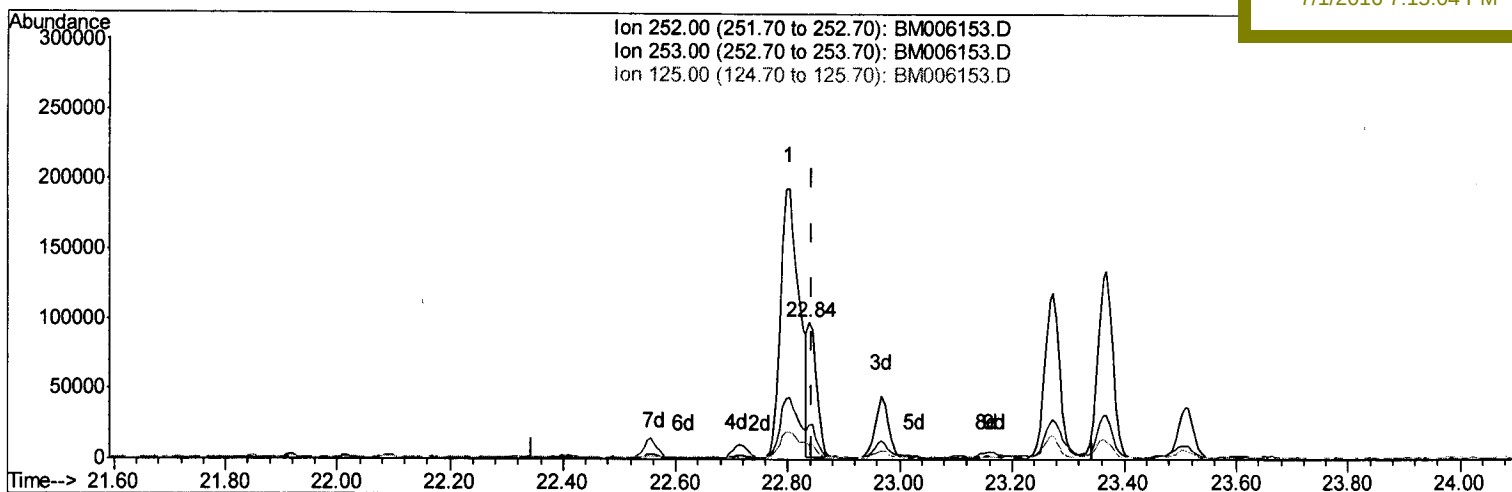
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006153.D  
 Acq On : 30 Jun 2016 10:45  
 Operator : UM/SJ  
 Sample : H3777-12  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YC2

Quant Time: Jun 30 14:59:51 2016  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
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Manual Integrations  
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TIC: BM006153.D

(36) Benzo(k)fluoranthene

22.839min (-0.006) 2.27ng/ul m

response 107414

Ion Exp% Act%

252.00 100 100

253.00 22.00 24.84

125.00 10.10 10.09

0.00 0.00 0.00

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# Quantitation Report (Qedit)

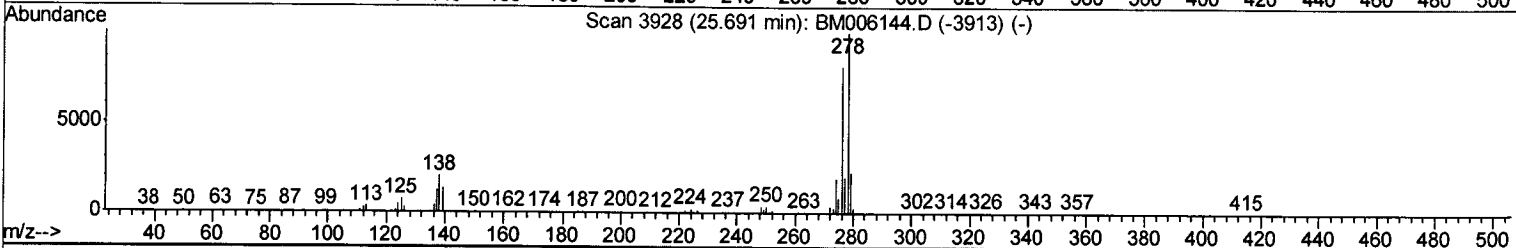
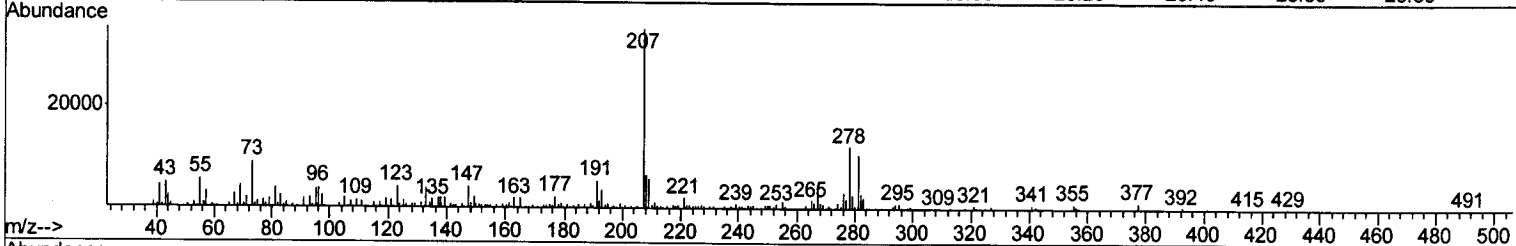
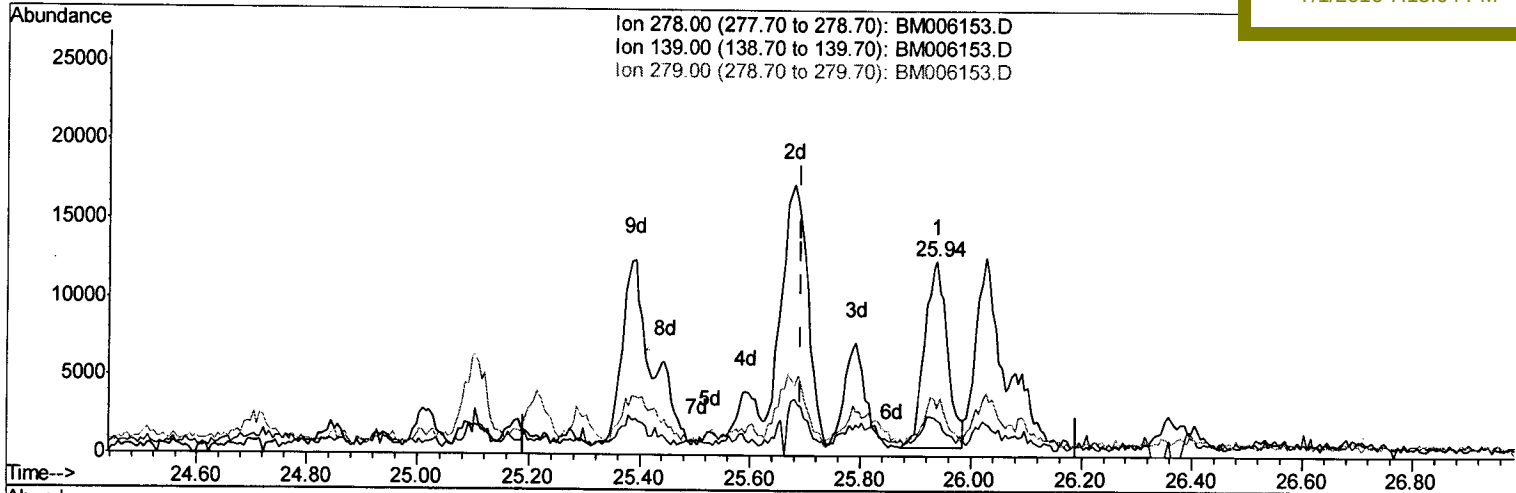
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006153.D  
 Acq On : 30 Jun 2016 10:45  
 Operator : UM/SJ  
 Sample : H3777-12  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 15:17:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YC2

Manual Integrations  
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TIC: BM006153.D

(40) Dibenzo(a,h)anthracene

25.938min (+0.247) 0.84ng/ul

response 34593

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 16.20 | 18.09 |
| 279.00 | 23.50 | 24.48 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

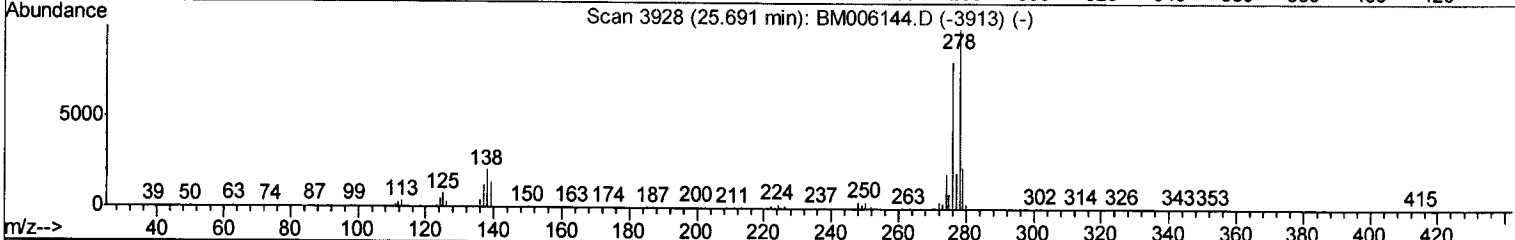
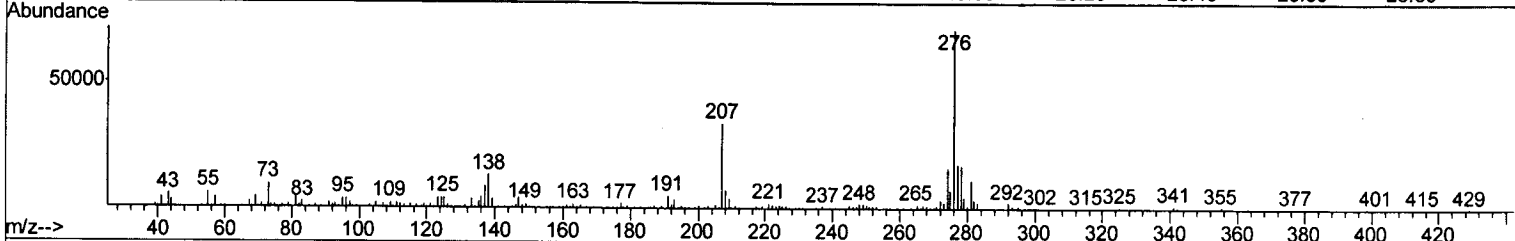
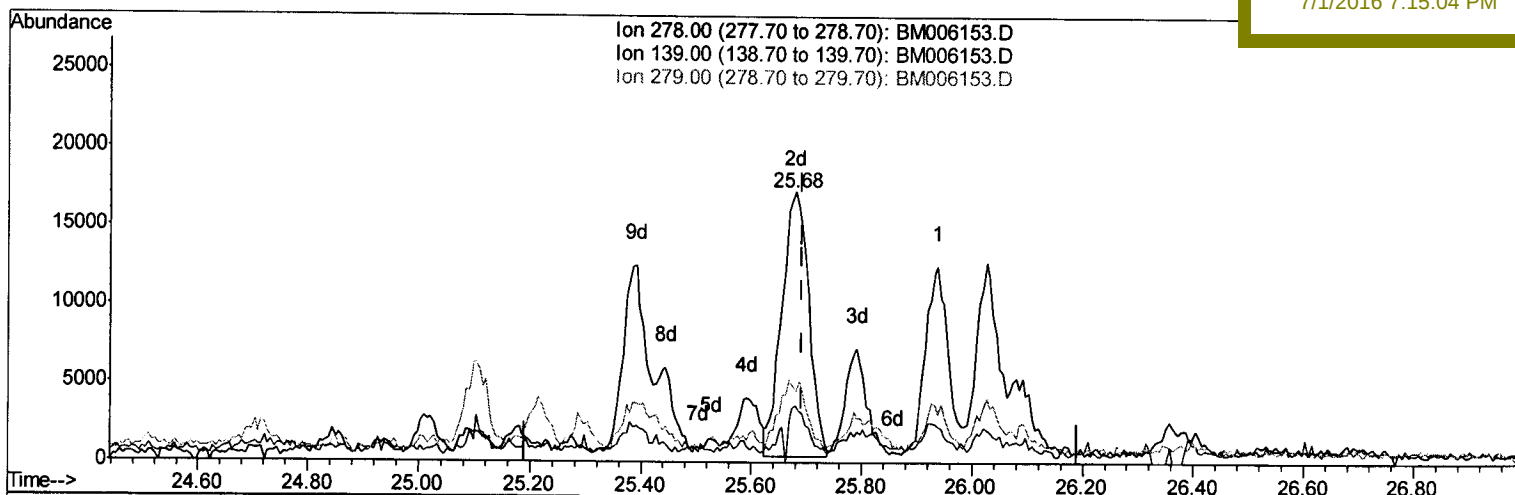
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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YC2

Quant Time: Jun 30 15:17:34 2016  
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Manual Integrations  
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TIC: BM006153.D

(40) Dibenzo(a,h)anthracene

25.680min (-0.012) 1.41ng/ul m

response 57617

Ion Exp% Act%

278.00 100 100

139.00 16.20 20.95#

279.00 23.50 25.82

0.00 0.00 0.00

> 0.m.  
 07/02/2016

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006153.D  
 Acq On : 30 Jun 2016 10:45  
 Operator : UM/SJ  
 Sample : H3777-12  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YC2

Quant Time: Jun 30 15:18:25 2016  
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Manual Integrations  
 APPROVED

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 200395   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 907235   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.30 | 164  | 530166   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.05 | 188  | 1194918  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.25 | 240  | 1158240  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.46 | 264  | 972163   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.16  | 96  | 8611    | 2.00  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.83  | 99  | 417327  | 25.49 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 292290  | 30.28 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 350173  | 27.87 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.36  | 113 | 267353  | 20.29 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.80  | 128 | 189247  | 30.97 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.52  | 143 | 207754  | 29.71 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 366628  | 28.73 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.57 | 131 | 359289  | 35.62 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 1151382 | 30.30 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.99 | 160 | 1469005 | 31.85 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.51 | 143 | 152871  | 21.20 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.30 | 176 | 1014447 | 31.28 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 154822  | 36.58 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.15 | 188 | 1553420 | 32.41 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.45 | 212 | 1715021 | 36.77 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.32 | 264 | 1231778 | 31.84 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |      |        | Qvalue |
|----------------------------|-------|-----|---------|------|--------|--------|
| 11) Naphthalene            | 10.48 | 128 | 41325   | 1.04 | ng/ul  | 98     |
| 13) 2-Methylnaphthalene    | 12.10 | 142 | 32620   | 1.08 | ng/ul  | 94     |
| 18) Acenaphthylene         | 14.02 | 152 | 59708   | 1.24 | ng/ul# | 96     |
| 25) Phenanthrene           | 17.09 | 178 | 128340  | 2.27 | ng/ul  | 99     |
| 28) Fluoranthene           | 19.12 | 202 | 369146  | 5.33 | ng/ul  | 100    |
| 31) Pyrene                 | 19.48 | 202 | 348318  | 5.70 | ng/ul  | 98     |
| 32) Benzo(a)anthracene     | 21.23 | 228 | 225815  | 3.75 | ng/ul  | 95     |
| 33) Chrysene               | 21.29 | 228 | 270023  | 4.87 | ng/ul  | 98     |
| 35) Benzo(b)fluoranthene   | 22.80 | 252 | 448669  | 8.89 | ng/ul  | 98     |
| 36) Benzo(k)fluoranthene   | 22.84 | 252 | 107414m | 2.27 | ng/ul  |        |
| 38) Benzo(a)pyrene         | 23.37 | 252 | 247814  | 5.20 | ng/ul  | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 190181  | 3.84 | ng/ul  | 94     |
| 40) Dibenzo(a,h)anthracene | 25.68 | 278 | 57617m  | 1.41 | ng/ul  |        |
| 41) Benzo(g,h,i)perylene   | 26.36 | 276 | 184197  | 4.44 | ng/ul  | 96     |

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

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