

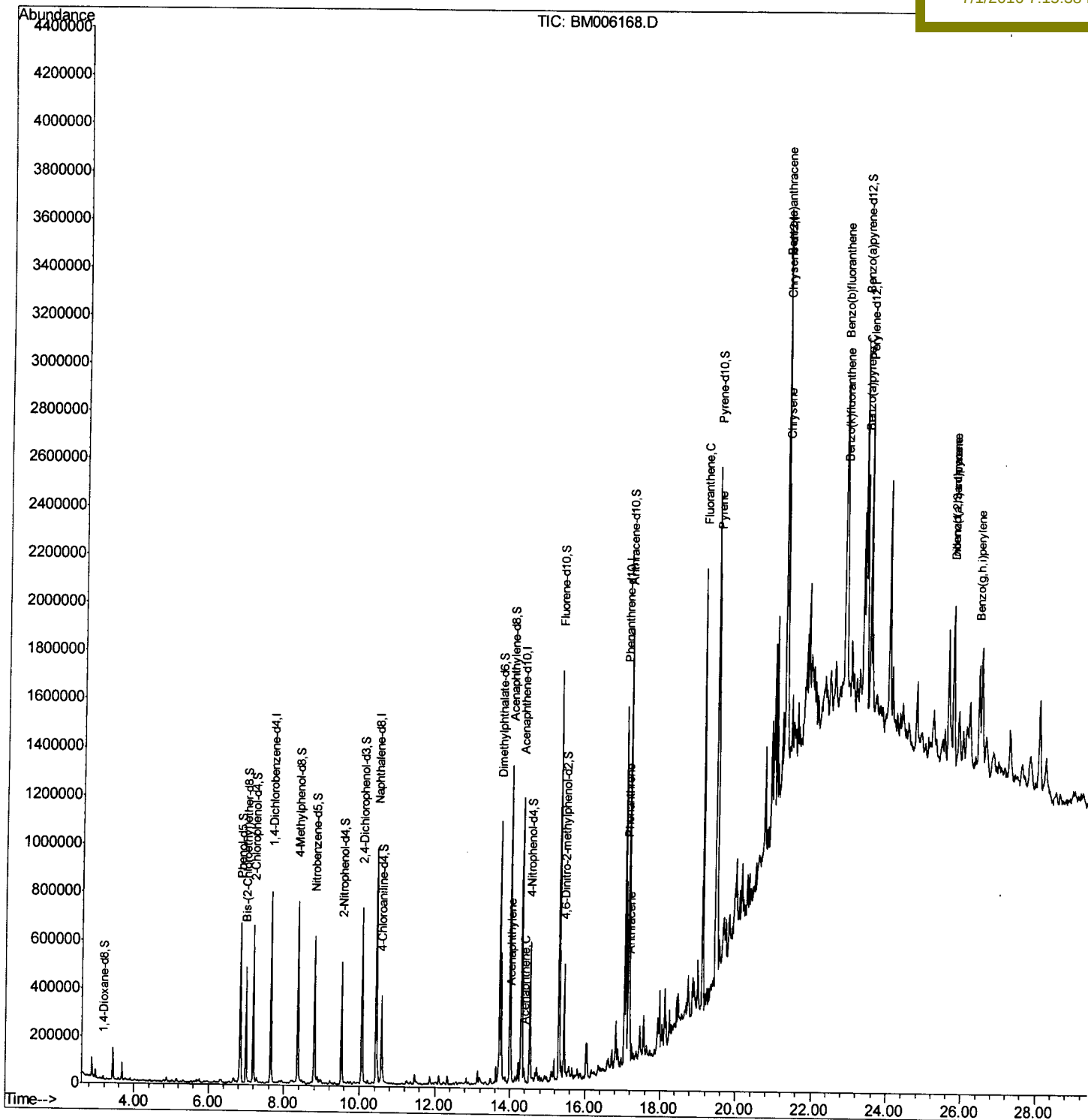
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
Data File : BM006168.D  
Acq On : 30 Jun 2016 21:36  
Operator : UM/SJ  
Sample : H3780-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9YF9

Quant Time: Jul 01 01:22:39 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

Manual Integrations  
APPROVED

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# Quantitation Report (Qedit)

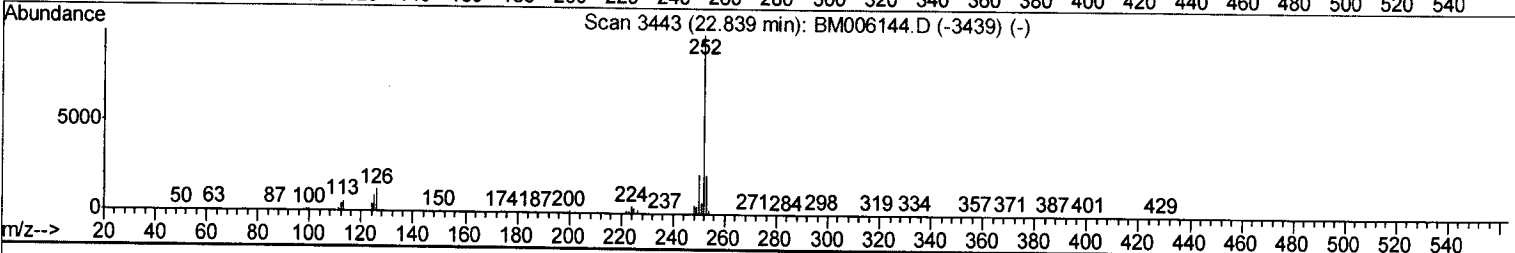
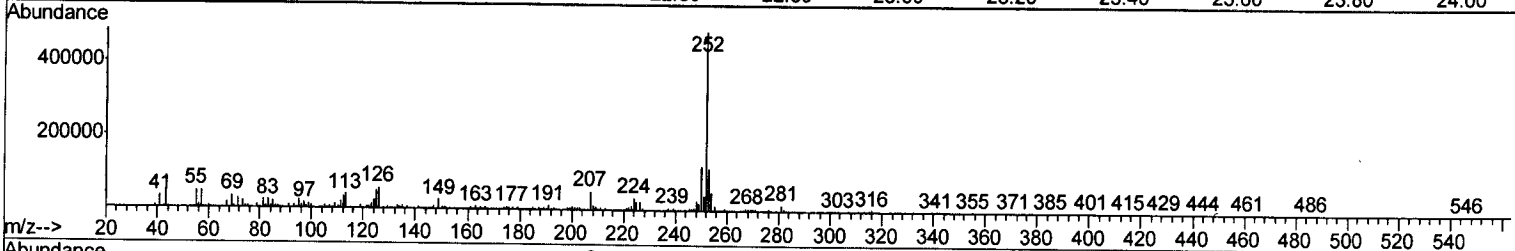
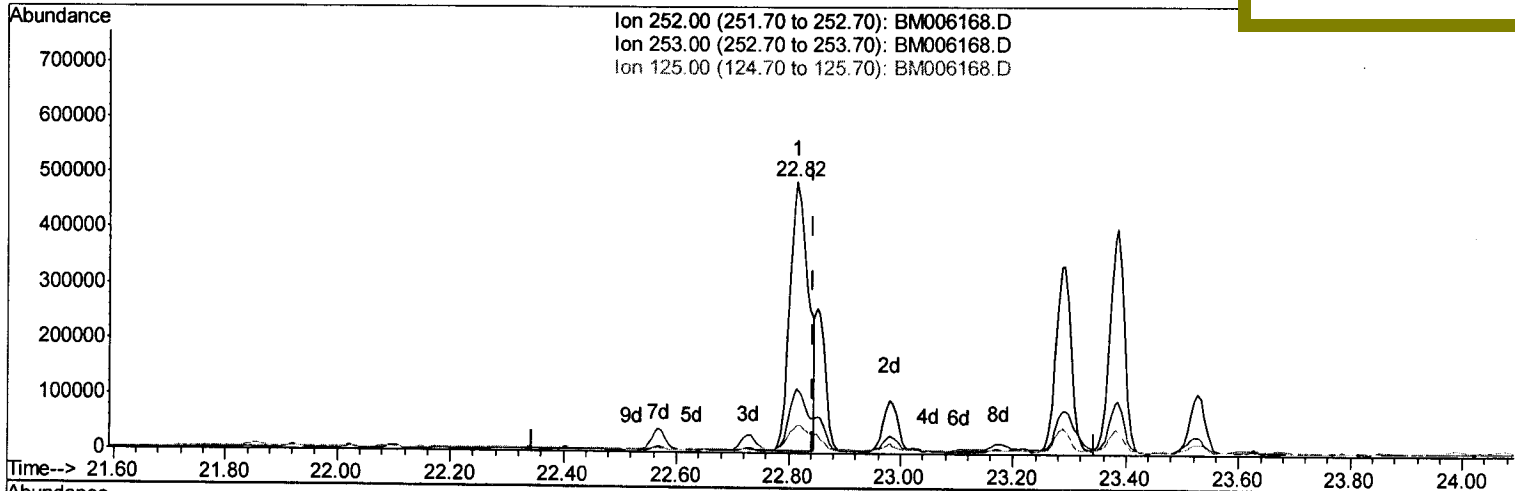
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
 Data File : BM006168.D  
 Acq On : 30 Jun 2016 21:36  
 Operator : UM/SJ  
 Sample : H3780-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF9

Quant Time: Jul 01 00:59:37 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

Manual Integrations  
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(36) Benzo(k)fluoranthene  
 22.815min (-0.029) 22.50ng/ul  
 response 1108912

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 23.51 |
| 125.00 | 10.10 | 10.08 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

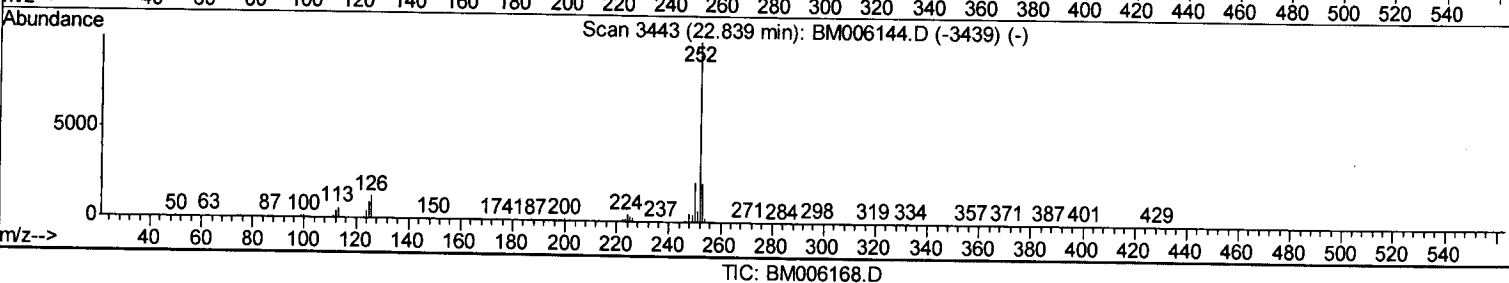
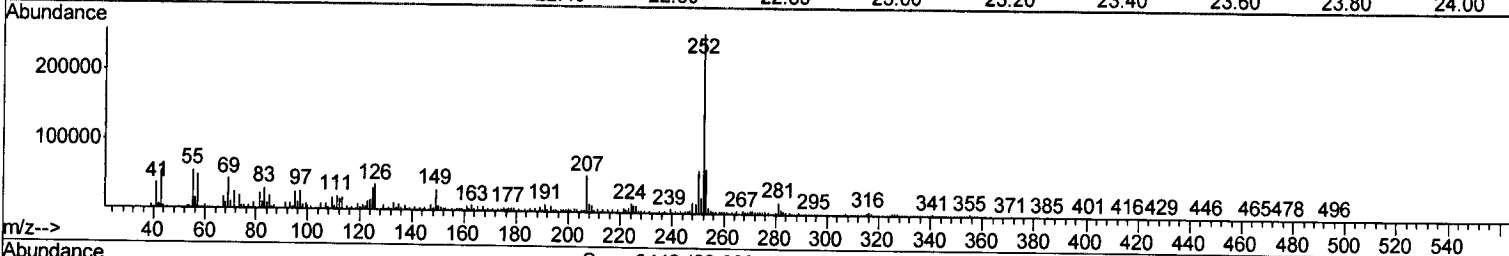
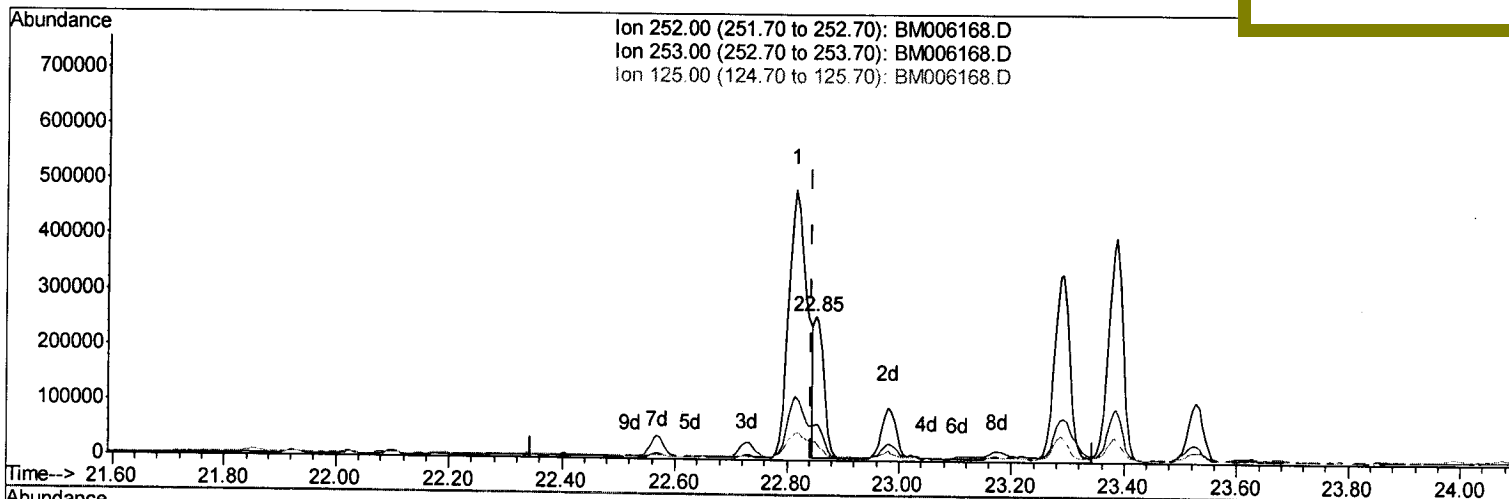
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
 Data File : BM006168.D  
 Acq On : 30 Jun 2016 21:36  
 Operator : UM/SJ  
 Sample : H3780-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF9

Quant Time: Jul 01 00:59:37 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

Manual Integrations  
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(36) Benzo(k)fluoranthene

22.850min (+0.006) 6.19ng/ul m

response 305121

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.00 | 24.80  |
| 125.00 | 10.10 | 12.48# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

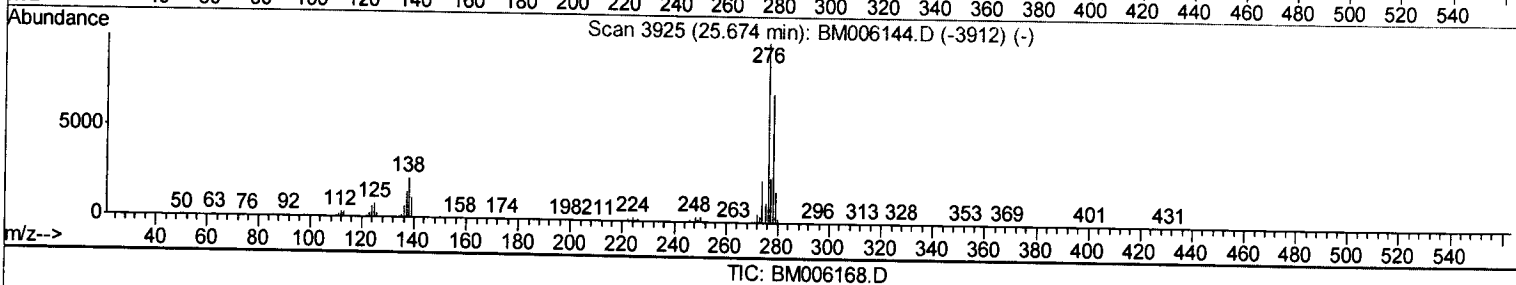
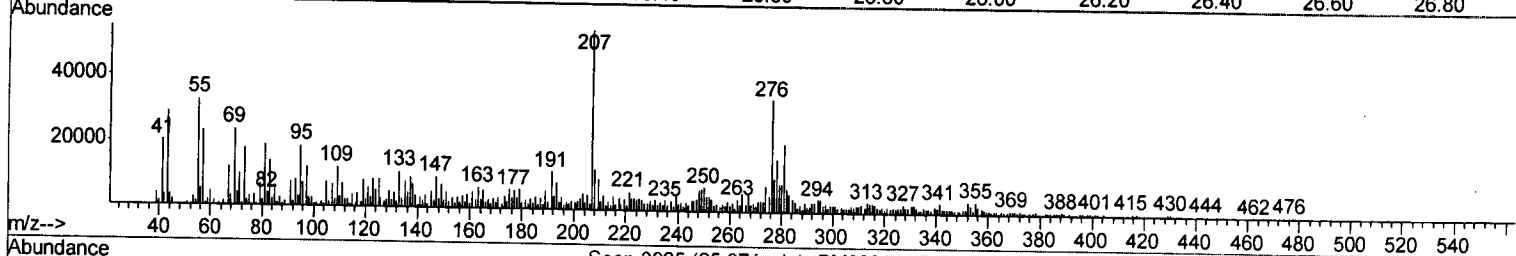
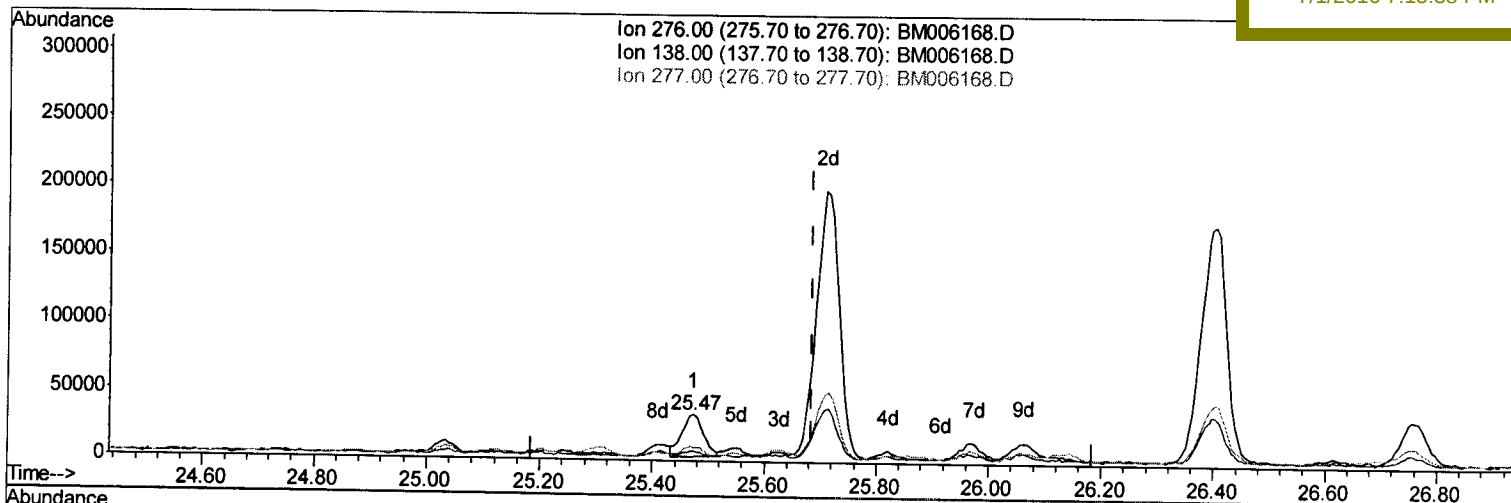
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
 Data File : BM006168.D  
 Acq On : 30 Jun 2016 21:36  
 Operator : UM/SJ  
 Sample : H3780-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Quant Time: Jul 01 00:59:37 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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Manual Integrations  
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(39) Indeno(1,2,3-cd)pyrene

25.474min (-0.212) 1.62ng/ul

response 83591

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 25.50 | 21.36 |
| 277.00 | 25.70 | 30.34 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

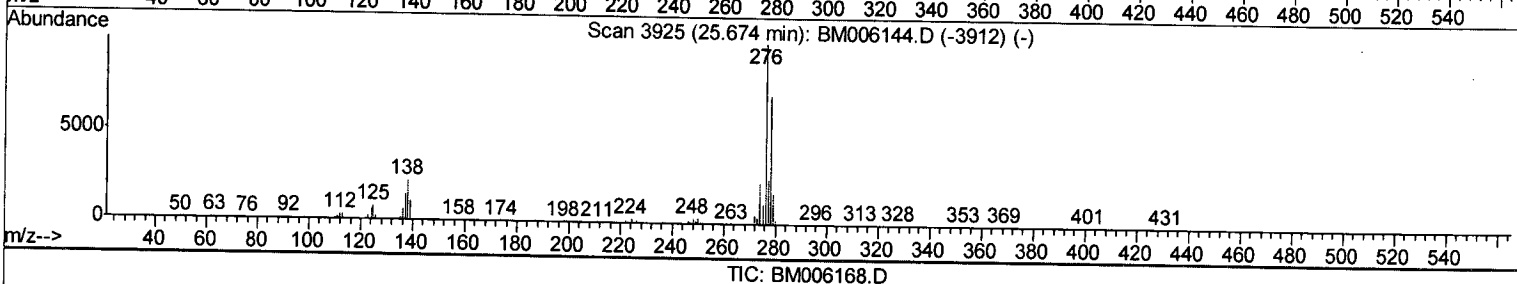
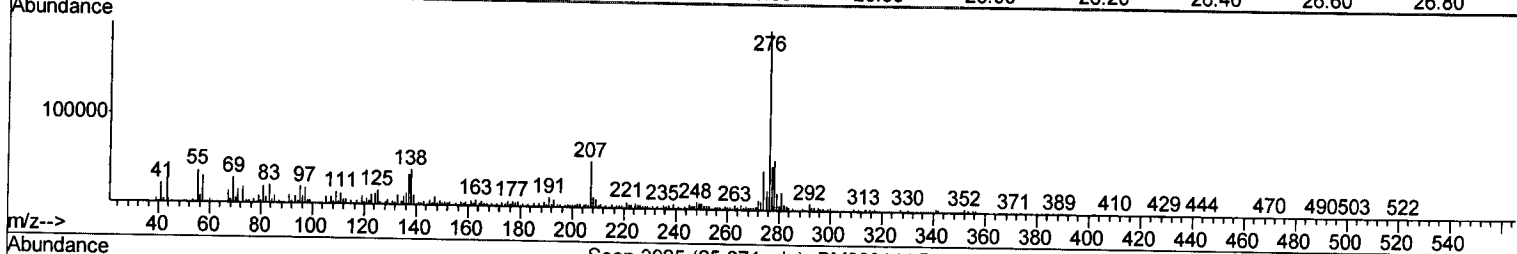
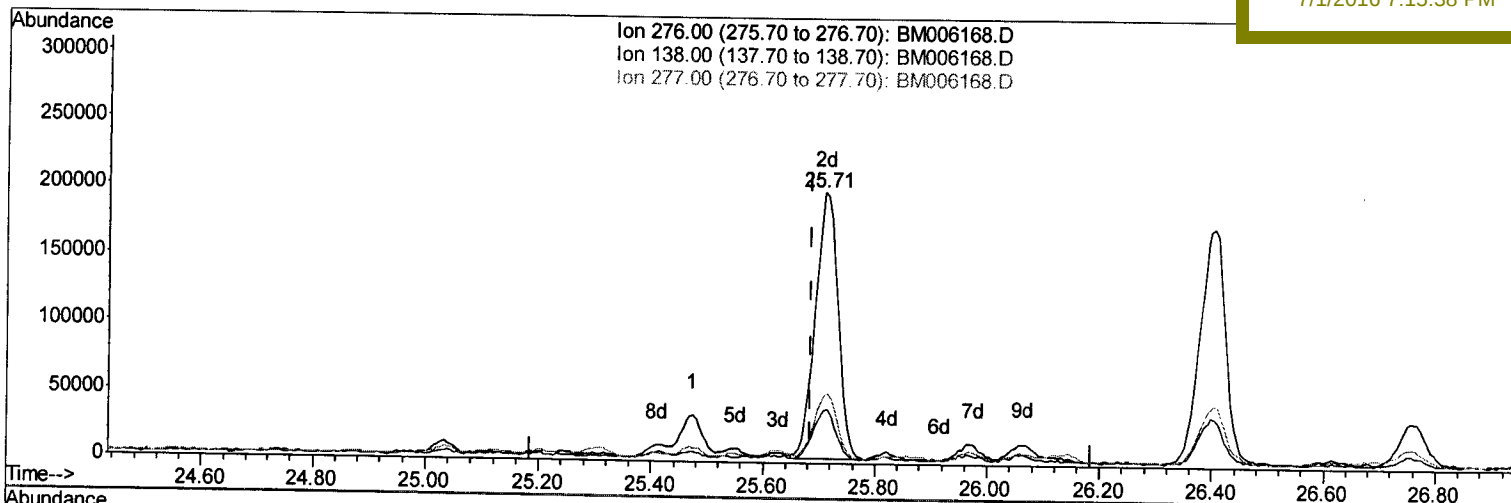
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
 Data File : BM006168.D  
 Acq On : 30 Jun 2016 21:36  
 Operator : UM/SJ  
 Sample : H3780-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF9

Quant Time: Jul 01 00:59:37 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

Manual Integrations  
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(39) Indeno(1,2,3-cd)pyrene

25.709min (+0.024) 10.81ng/ul m

response 557726

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 25.50 | 19.67# |
| 277.00 | 25.70 | 25.04  |
| 0.00   | 0.00  | 0.00   |

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Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM063016\  
 Data File : BM006168.D  
 Acq On : 30 Jun 2016 21:36  
 Operator : UM/SJ  
 Sample : H3780-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF9

Quant Time: Jul 01 01:22:39 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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Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 205009   | 20.00 | ng/ul | 0.00      |
| 7) Naphthalene-d8         | 10.44 | 136  | 799670   | 20.00 | ng/ul | 0.00      |
| 15) Acenaphthene-d10      | 14.30 | 164  | 408137   | 20.00 | ng/ul | 0.00      |
| 23) Phenanthrene-d10      | 17.06 | 188  | 866011   | 20.00 | ng/ul | 0.00      |
| 29) Chrysene-d12          | 21.26 | 240  | 909538   | 20.00 | ng/ul | 0.00      |
| 34) Perylene-d12          | 23.48 | 264  | 1012261  | 20.00 | ng/ul | 0.02      |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.18  | 96  | 5444    | 1.23  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.83  | 99  | 352589  | 21.05 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl) ether-d | 6.99  | 67  | 217136  | 21.99 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 275520  | 21.43 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.37  | 113 | 278801  | 20.68 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.81  | 128 | 134279  | 24.93 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.53  | 143 | 148560  | 24.10 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 262541  | 23.34 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.58 | 131 | 208876  | 23.49 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 729399  | 24.93 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.00 | 160 | 949056  | 26.73 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.53 | 143 | 134109  | 24.16 | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.30 | 176 | 637551  | 25.54 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 88822   | 28.96 | ng/ul | 0.01 |
| 26) Anthracene-d10             | 17.16 | 188 | 970553  | 27.94 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.46 | 212 | 1044686 | 28.52 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.34 | 264 | 1083396 | 26.89 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |       | Qvalue    |
|----------------------------|-------|-----|---------|-------|-----------|
| 18) Acenaphthylene         | 14.03 | 152 | 66617   | 1.79  | ng/ul 99  |
| 19) Acenaphthene           | 14.37 | 153 | 24150   | 1.02  | ng/ul 98  |
| 25) Phenanthrene           | 17.10 | 178 | 446828  | 10.90 | ng/ul 99  |
| 27) Anthracene             | 17.19 | 178 | 156556  | 3.72  | ng/ul 98  |
| 28) Fluoranthene           | 19.12 | 202 | 1078853 | 21.49 | ng/ul 99  |
| 31) Pyrene                 | 19.49 | 202 | 1011827 | 21.09 | ng/ul 98  |
| 32) Benzo(a)anthracene     | 21.24 | 228 | 631316  | 13.35 | ng/ul 96  |
| 33) Chrysene               | 21.29 | 228 | 706961  | 16.24 | ng/ul 97  |
| 35) Benzo(b)fluoranthene   | 22.82 | 252 | 1108912 | 21.11 | ng/ul 97  |
| 36) Benzo(k)fluoranthene   | 22.85 | 252 | 305121m | 6.19  | ng/ul 98  |
| 38) Benzo(a)pyrene         | 23.39 | 252 | 708662  | 14.28 | ng/ul 98  |
| 39) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 557726m | 10.81 | ng/ul 81  |
| 40) Dibenzo(a,h)anthracene | 25.71 | 278 | 175377  | 4.11  | ng/ul# 81 |
| 41) Benzo(g,h,i)perylene   | 26.40 | 276 | 542647  | 12.57 | ng/ul 97  |

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

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