

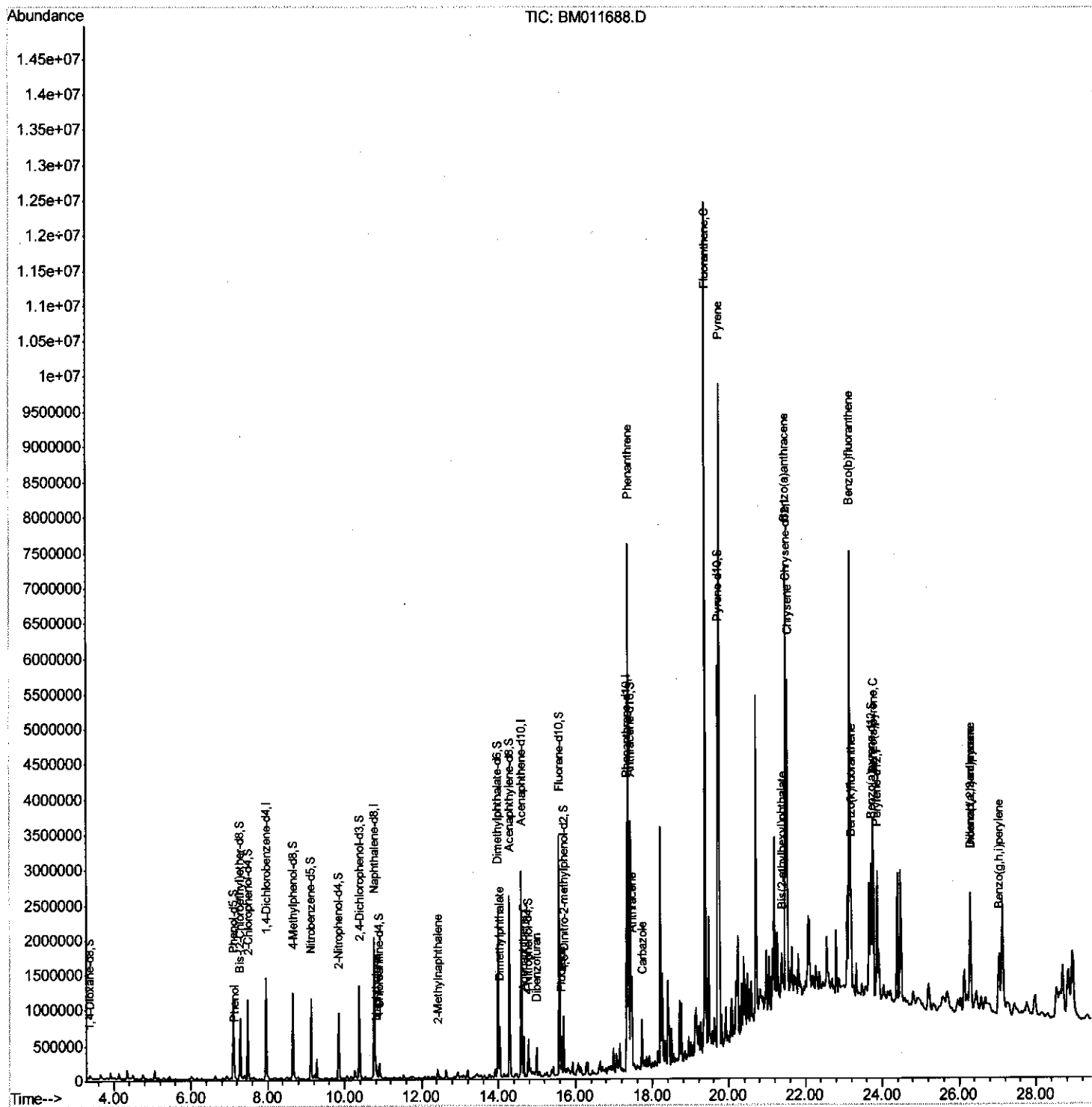
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\  
Data File : BM011688.D  
Acq On : 22 Sep 2017 12:11  
Operator : SJ/JU  
Sample : I5283-13  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
Client Sampled :  
CB3B8

Manual Integrations  
APPROVED

Sohil  
9/25/2017 6:23:25 PM

Quant Time: Sep 23 00:14:51 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Sep 22 23:48:55 2017  
Response via : Initial Calibration



## Quantitation Report (Qedit)

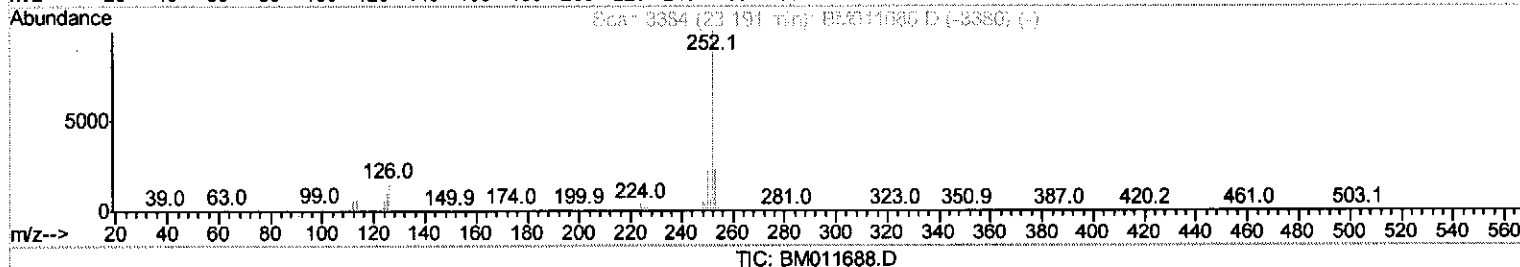
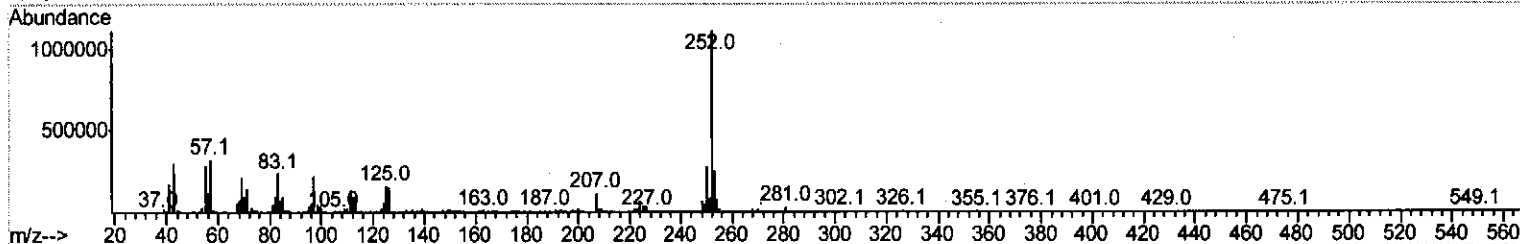
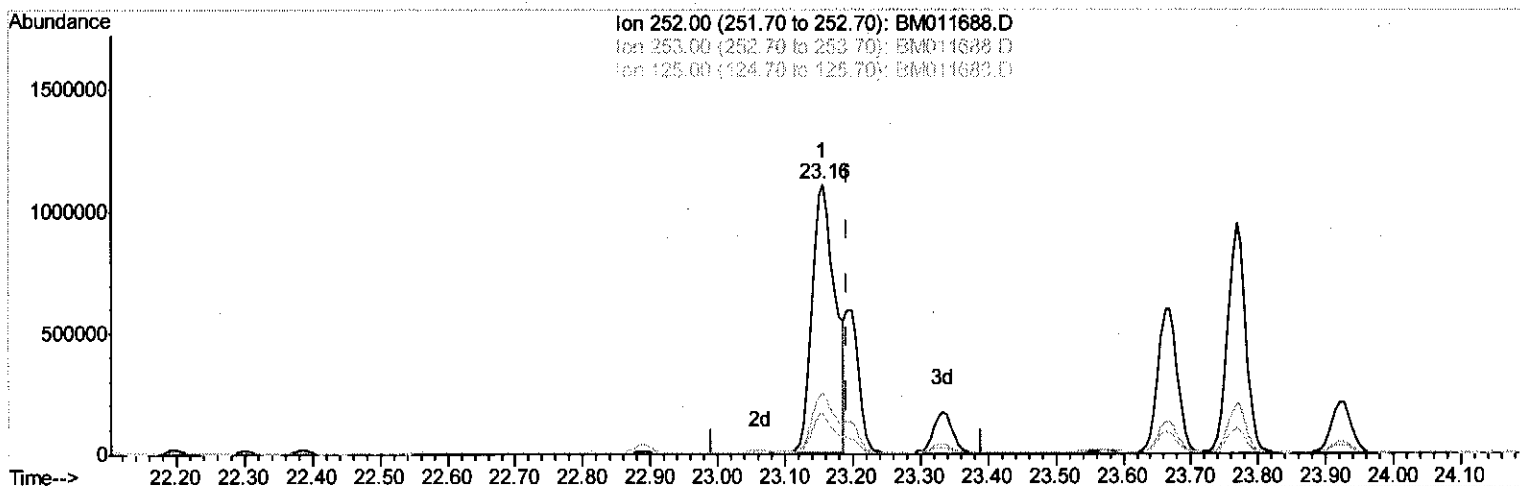
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(89) Benzo(k)fluoranthene

23.156min (-0.035) 34.03ng/ul

response 2677026

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.49  |
| 125.00 | 6.70  | 14.74# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

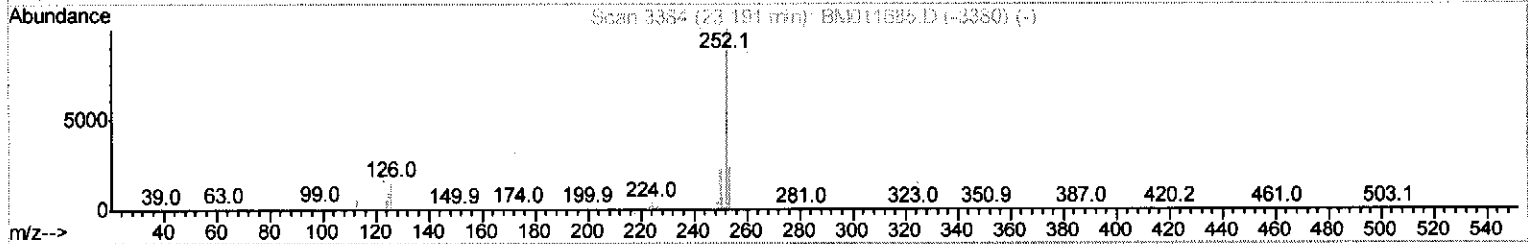
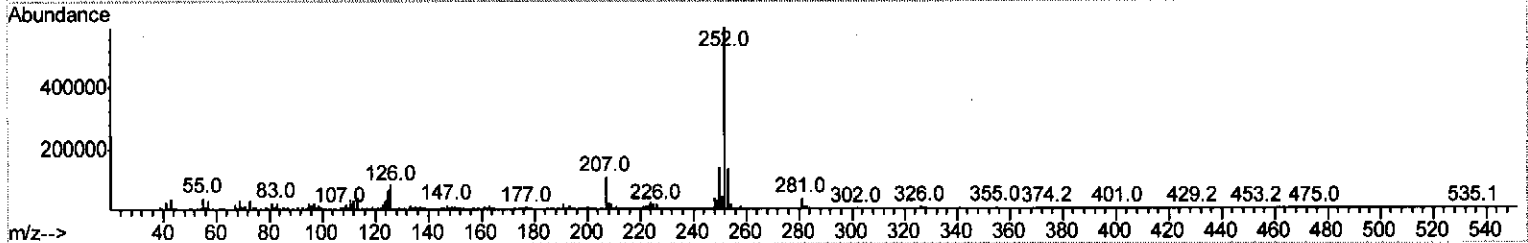
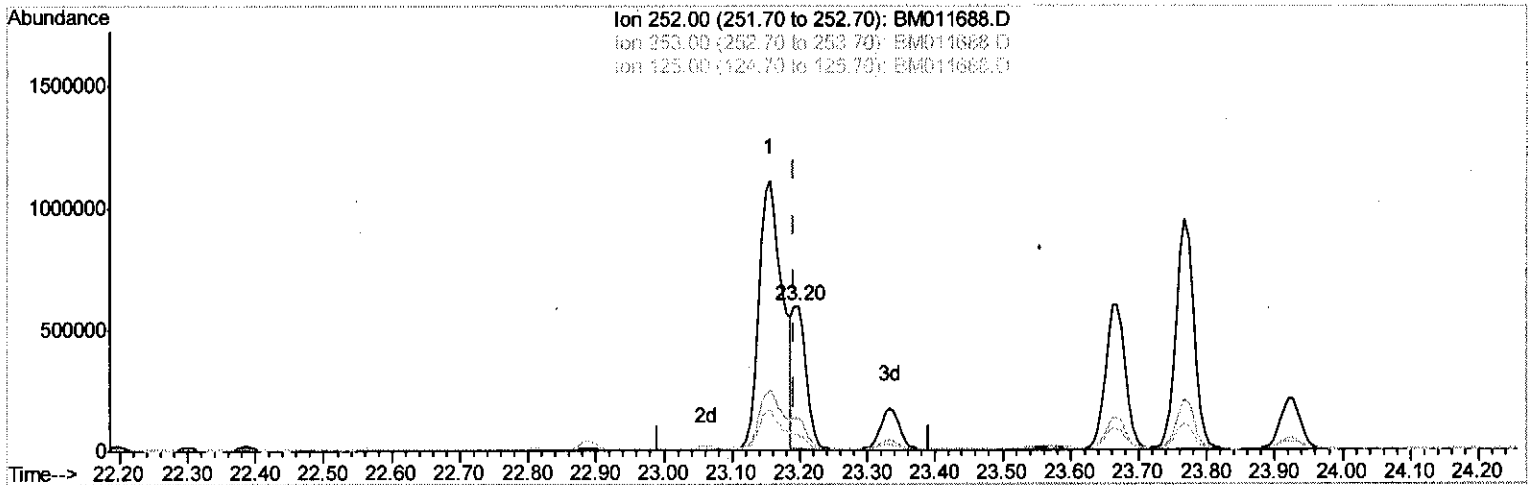
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Sample : I5283-13  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampled :  
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TIC: BM011688.D

(89) Benzo(k)fluoranthene

23.198min (+0.006) 10.20ng/ul m *5410/31/17*

response 802598

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.39  |
| 125.00 | 6.70  | 10.05# |
| 0.00   | 0.00  | 0.00   |

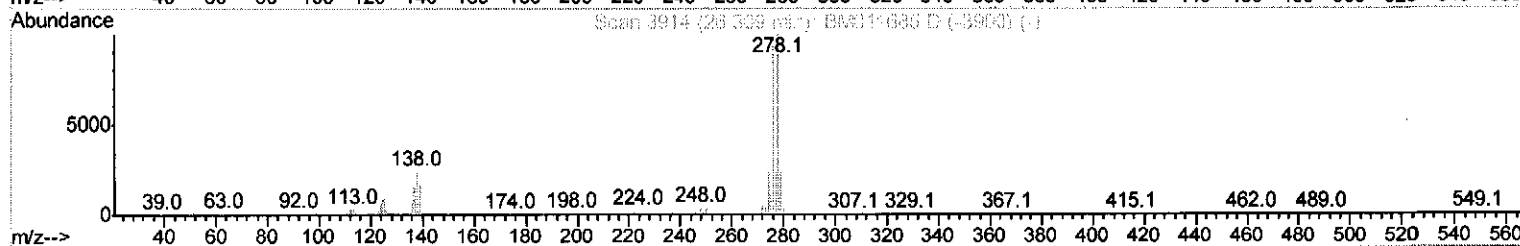
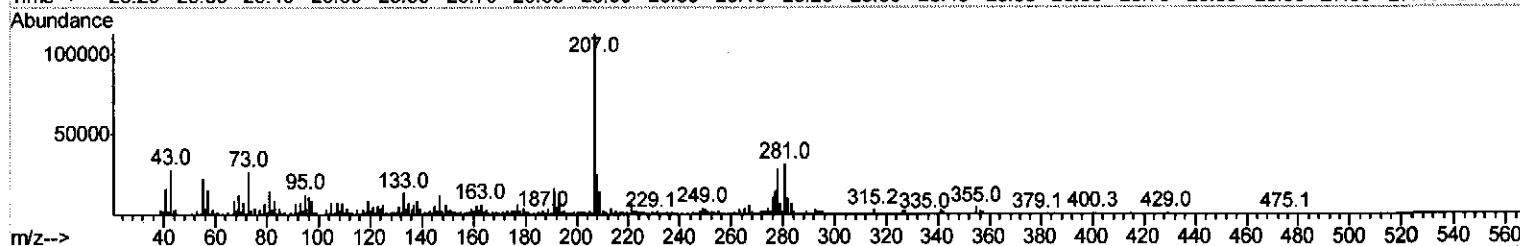
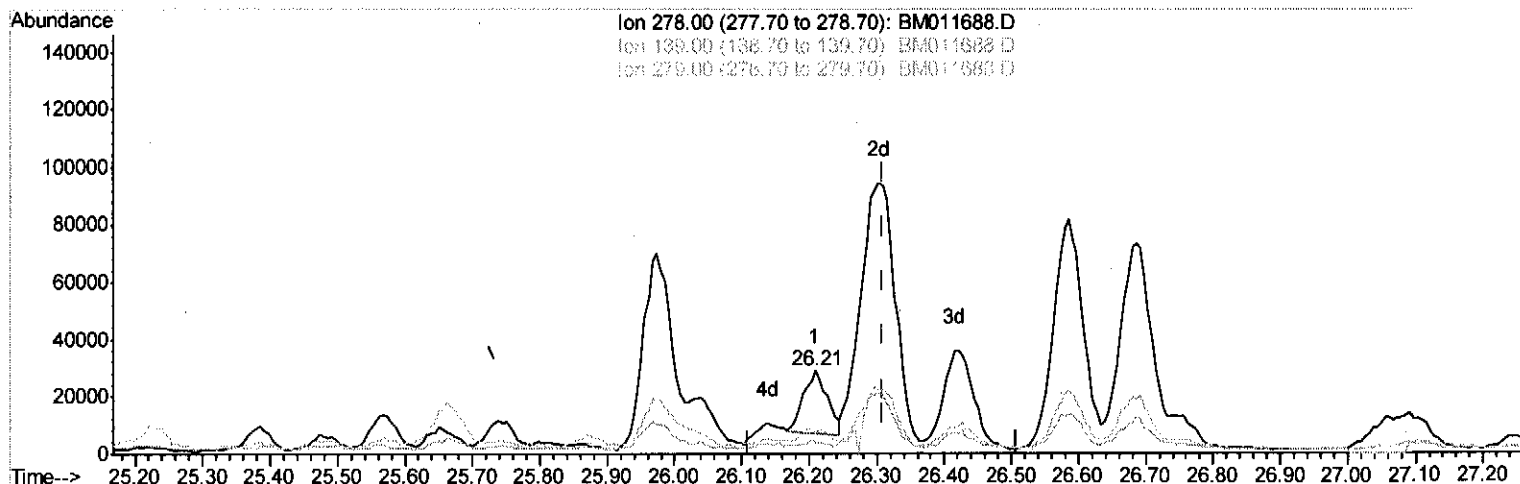
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Data File : BM011688.D  
Acq On : 22 Sep 2017 12:11  
Operator : SJ/JU  
Sample : I5283-13  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampled :  
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Manual Integrations  
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TIC: BM011688.D

(93) Dibenzo(a,h)anthracene

26.209min (-0.100) 0.76ng/ul

response 54691

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 11.20 | 13.32 |
| 279.00 | 23.90 | 25.81 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

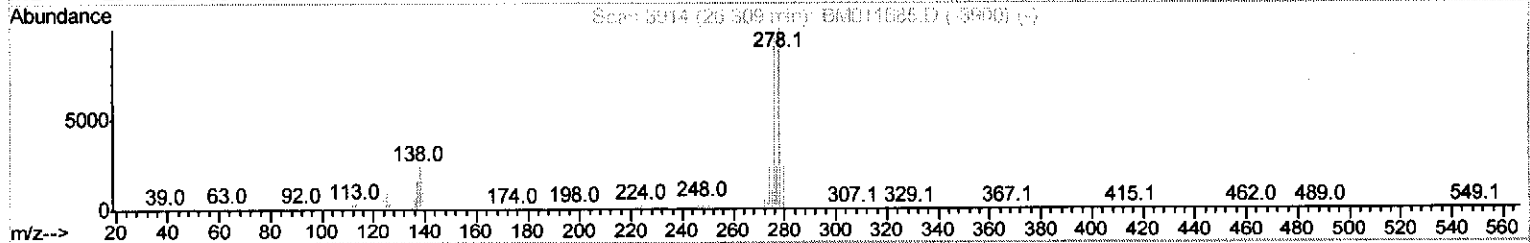
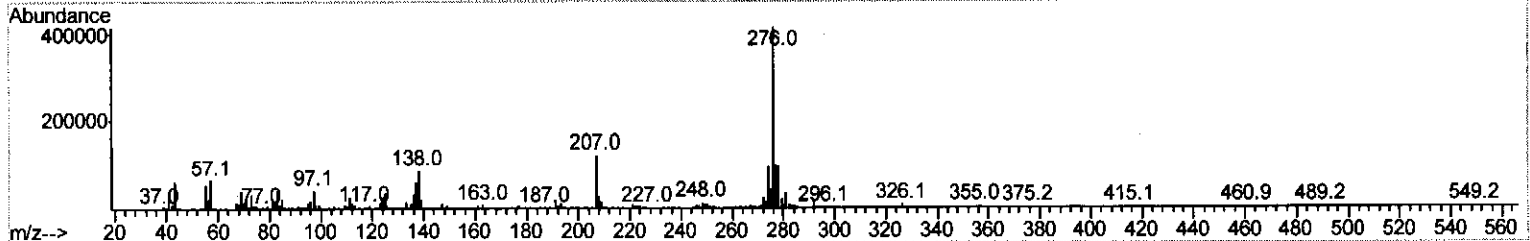
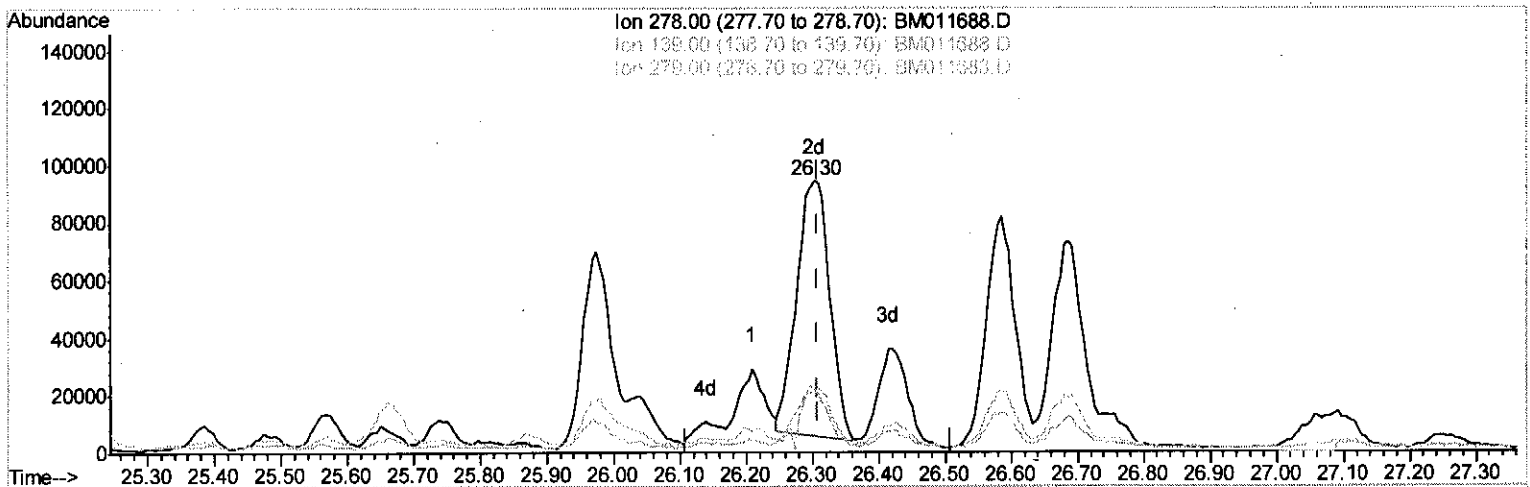
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Sample : I5283-13  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
CB3B8

Manual Integrations  
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TIC: BM011688.D

(93) Dibenzo(a,h)anthracene

26.303min (-0.006) 4.27ng/ul m

response 307766

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 11.20 | 22.86# |
| 279.00 | 23.90 | 22.67  |
| 0.00   | 0.00  | 0.00   |

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 Acq On : 22 Sep 2017 12:11  
 Operator : SJ/JU  
 Sample : I5283-13  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 CB3B8

Manual Integrations  
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Quant Time: Sep 23 00:14:51 2017  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 22 23:48:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 358174   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.77 | 136  | 1615906  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 906605   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 1981991  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 1577278  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 1361634  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 23847   | 2.99  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 565867  | 16.45 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.28  | 67  | 414526  | 17.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 452377  | 17.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 425383  | 15.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.12  | 128 | 232466  | 18.95 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.85  | 143 | 249670  | 19.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.38 | 165 | 446059  | 17.38 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.90 | 131 | 107045  | 3.78  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.99 | 166 | 1422114 | 18.55 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 1764771 | 19.04 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.77 | 143 | 128817  | 8.94  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.58 | 176 | 1249246 | 18.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 144880  | 12.56 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 1898887 | 19.46 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 2039752 | 27.62 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 1287632 | 19.84 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |      |
|--------------------------------|-------|-----|---------|--------|--------|------|
| 6) Phenol                      | 7.14  | 94  | 38087   | 1.116  | ng/ul# | 87   |
| 28) Naphthalene                | 10.82 | 128 | 132218  | 1.578  | ng/ul  | 95   |
| 34) 2-Methylnaphthalene        | 12.42 | 142 | 63654   | 1.023  | ng/ul  | 99   |
| 45) Dimethylphthalate          | 14.04 | 163 | 416598  | 5.677  | ng/ul# | 97   |
| 50) Acenaphthene               | 14.66 | 153 | 216843  | 3.440  | ng/ul  | 97   |
| 54) Dibenzofuran               | 14.99 | 168 | 189536  | 2.150  | ng/ul  | 99   |
| 59) Fluorene                   | 15.64 | 166 | 239494  | 3.241  | ng/ul  | 98   |
| 70) Phenanthrene               | 17.37 | 178 | 4345614 | 39.336 | ng/ul  | 99   |
| 72) Anthracene                 | 17.47 | 178 | 812416  | 7.167  | ng/ul  | 98   |
| 75) Carbazole                  | 17.73 | 167 | 419815  | 4.341  | ng/ul  | 97   |
| 77) Fluoranthene               | 19.39 | 202 | 6497128 | 57.178 | ng/ul# | 92   |
| 80) Pyrene                     | 19.75 | 202 | 5571122 | 60.539 | ng/ul# | 91   |
| 83) Benzo(a)anthracene         | 21.49 | 228 | 2380652 | 27.412 | ng/ul  | 98   |
| 84) Bis(2-ethylhexyl)phthalate | 21.39 | 149 | 100638  | 1.548  | ng/ul  | 94   |
| 85) Chrysene                   | 21.54 | 228 | 2375723 | 30.175 | ng/ul  | 98   |
| 88) Benzo(b)fluoranthene       | 23.16 | 252 | 2677026 | 32.681 | ng/ul# | 93   |
| 89) Benzo(k)fluoranthene       | 23.20 | 252 | 802598m | 10.202 | ng/ul  | > 94 |
| 91) Benzo(a)pyrene             | 23.77 | 252 | 1753987 | 22.685 | ng/ul# | 97   |
| 92) Indeno(1,2,3-cd)pyrene     | 26.30 | 276 | 1210423 | 14.231 | ng/ul# | 94   |
| 93) Dibenzo(a,h)anthracene     | 26.30 | 278 | 307766m | 4.267  | ng/ul  | > 94 |
| 94) Benzo(g,h,i)perylene       | 27.06 | 276 | 1140299 | 16.555 | ng/ul# | 92   |

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |