

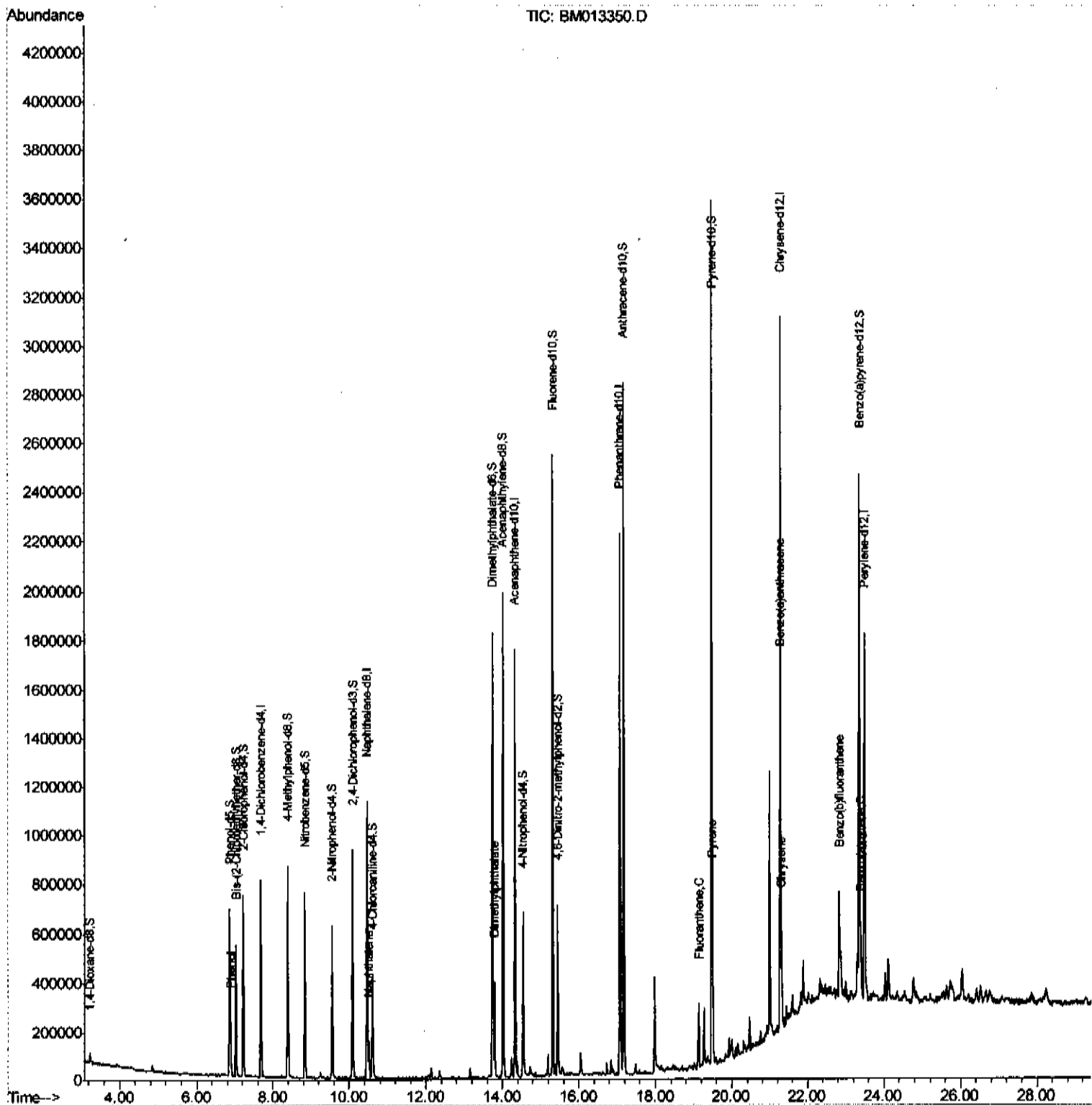
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\  
Data File : BM013350.D  
Acq On : 12 Dec 2017 21:48  
Operator : SJ/JU  
Sample : I6776-16  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9A45

Manual Integrations  
APPROVED

Sohil  
12/13/2017 12:05:46 PM

Quant Time: Dec 13 03:42:57 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 13 01:37:55 2017  
Response via : Initial Calibration



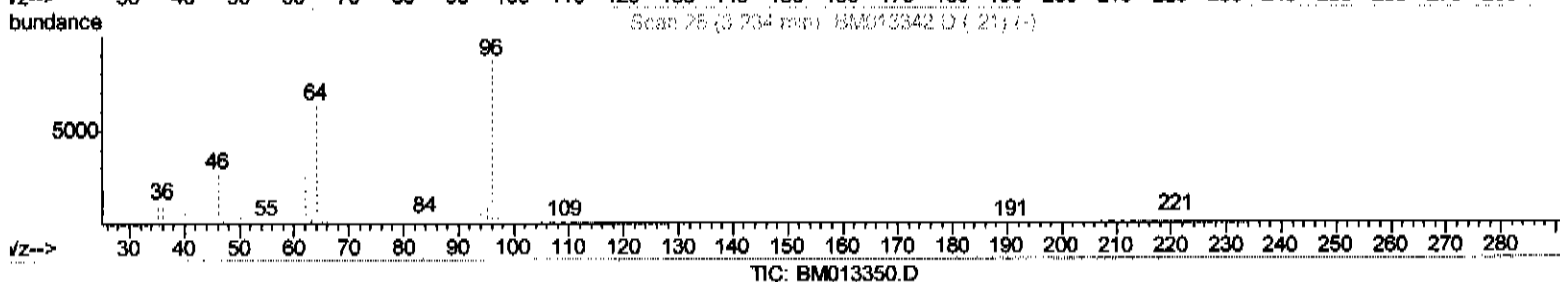
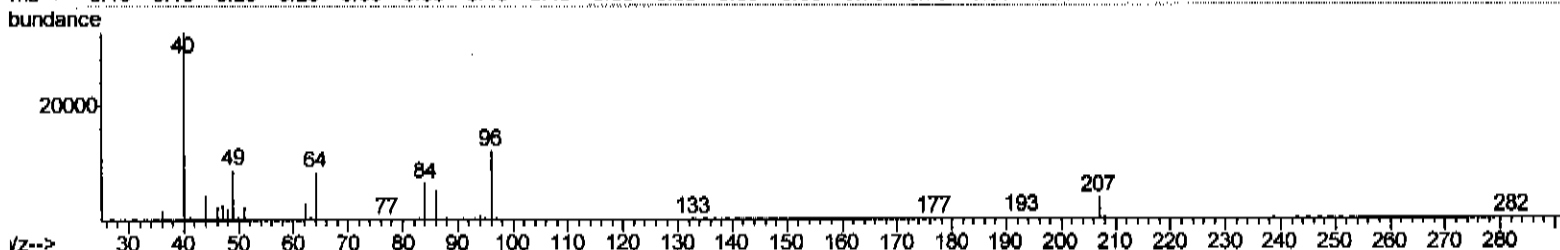
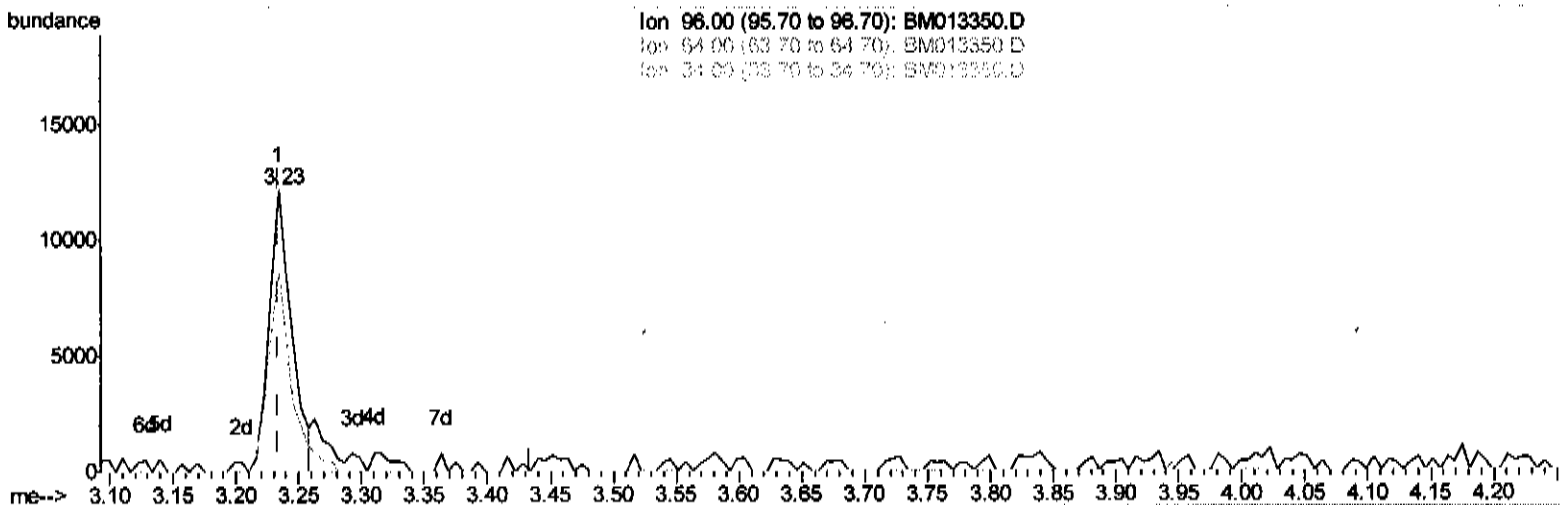
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(3) 1,4-Dioxane-d8 (S)

3.234min (+0.000) 3.79ng/uL

response 15238

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 74.43 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

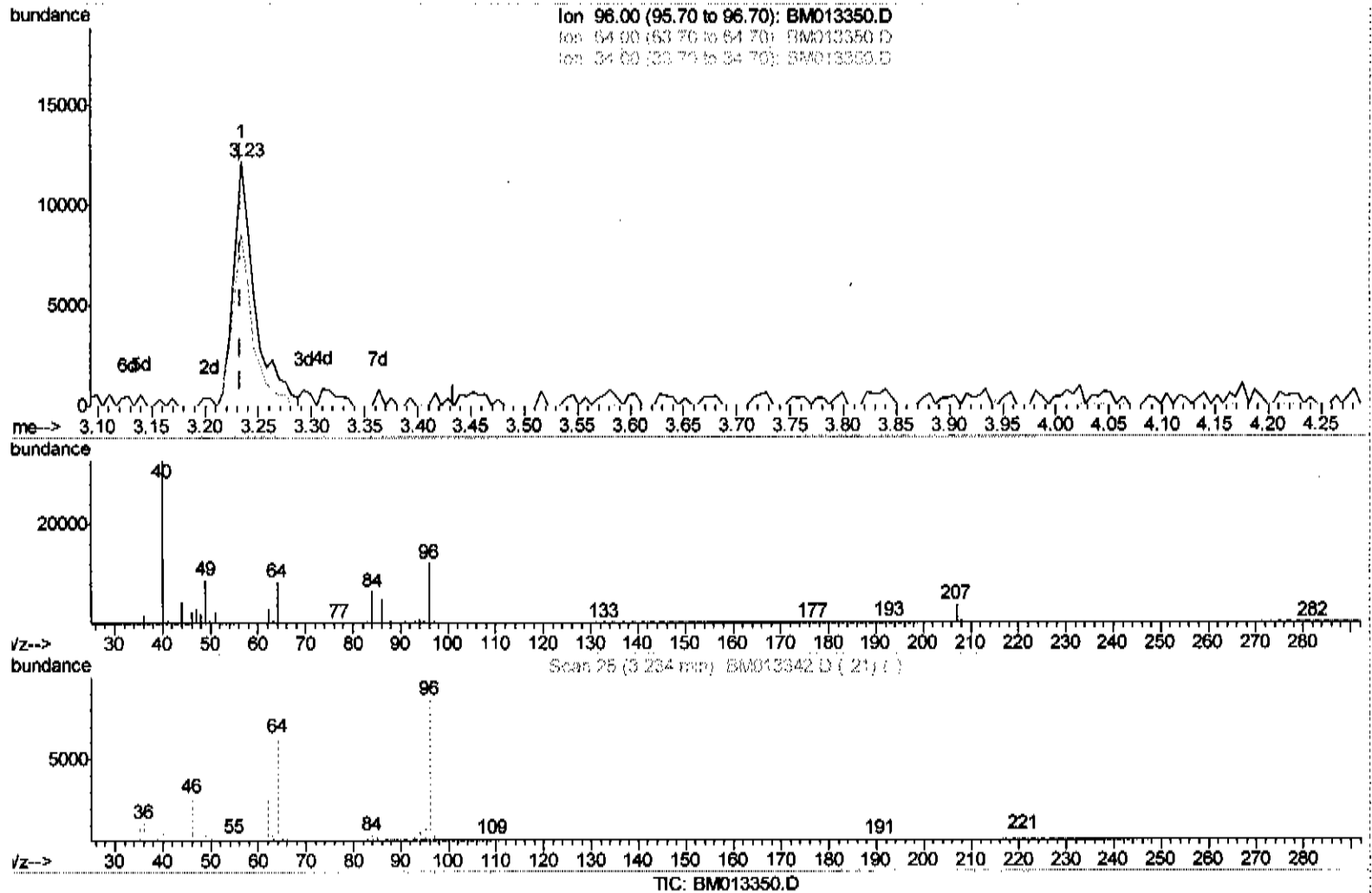
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F9A45

Manual Integrations  
 APPROVED

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(3) 1,4-Dioxane-d8 (S)

3.234min (+0.000) 4.28ng/uL m

response 17229

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 65.83 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

*5/12/18/17*

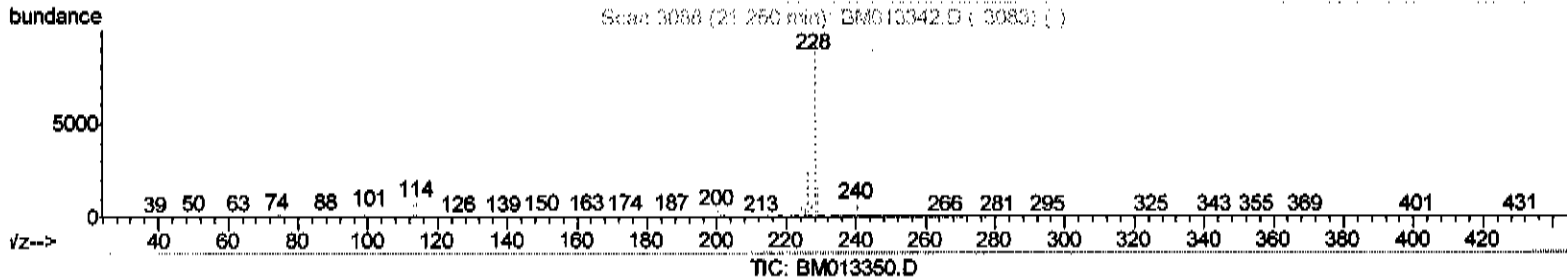
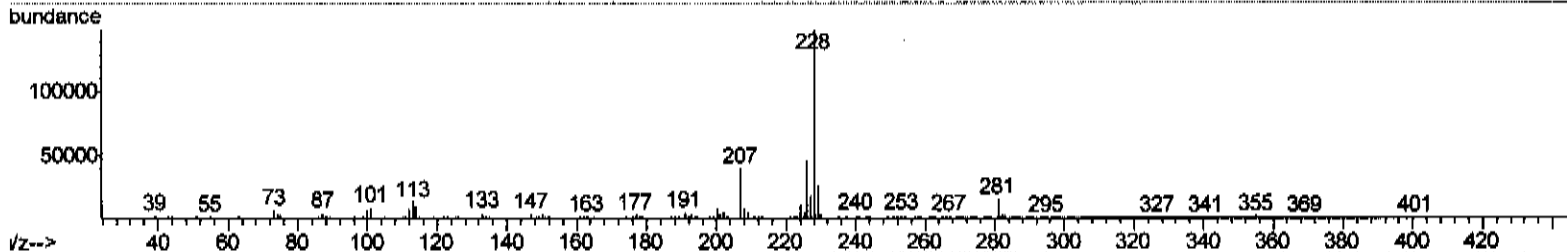
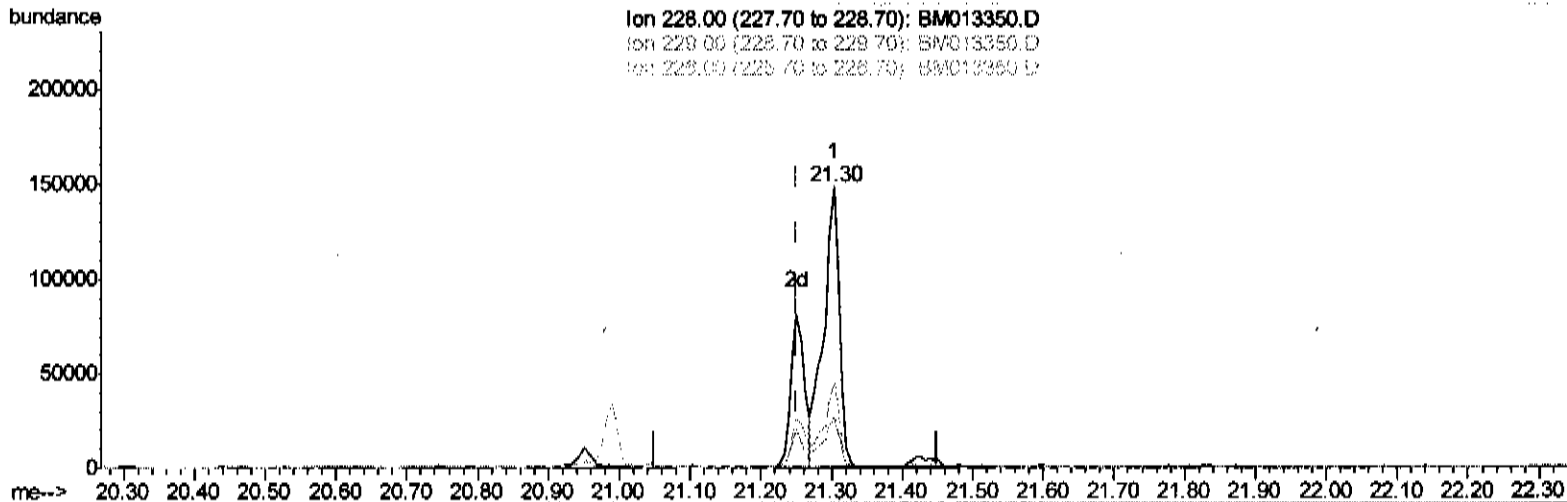
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A45

Manual Integrations  
 APPROVED

Sohil  
 12/13/2017 12:05:46 PM

Quant Time: Dec 13 03:36:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



(80) Benzo(a)anthracene

21.303min (+0.053) 2.80ng/ul

response 230819

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.20 | 17.62 |
| 226.00 | 26.70 | 30.27 |
| 0.00   | 0.00  | 0.00  |

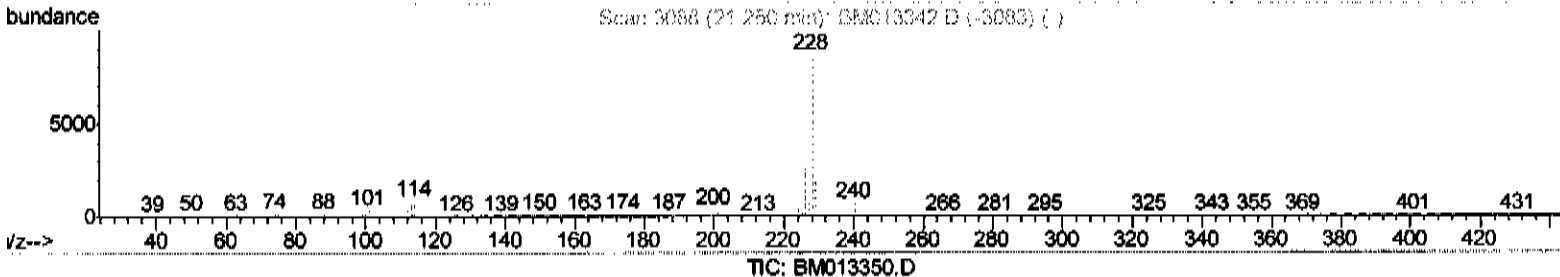
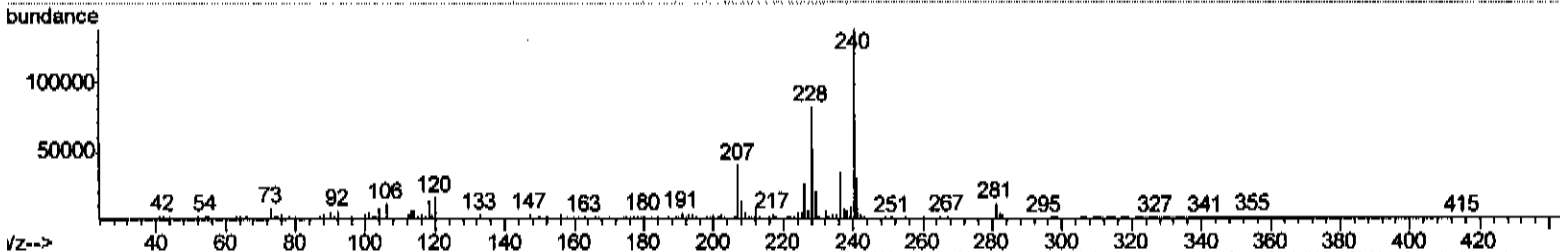
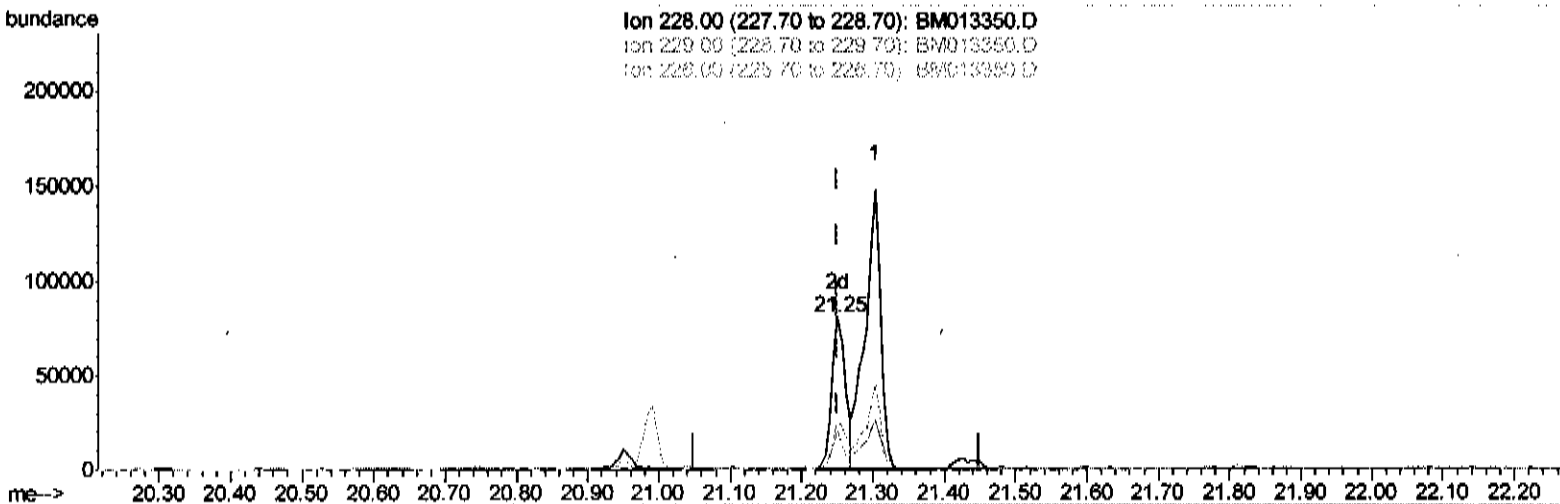
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Instrument :  
 BNA\_M  
 ClientSampled :  
 F9A45

Manual Integrations  
 APPROVED

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 Response via : Initial Calibration



(80) Benzo(a)anthracene

21.250min (+0.000) 1.30ng/ul m

response 107437

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.20 | 25.04# |
| 226.00 | 26.70 | 32.46# |
| 0.00   | 0.00  | 0.00   |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A45

Manual Integrations  
 APPROVED

Sohil  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 199308   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 881488   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 540851   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 1268771  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 1299438  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.50 | 264  | 1098086  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |        |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 17229m  | 4.28  | ng/uL | > 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 353668  | 20.51 | ng/ul | > 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 220960  | 22.47 | ng/ul | 0.00   |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 303119  | 22.49 | ng/ul | 0.00   |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 295675  | 20.07 | ng/ul | 0.00   |
| 19) Nitrobenzene-d5            | 8.84  | 128 | 160927  | 23.02 | ng/ul | 0.00   |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 176845  | 23.64 | ng/ul | 0.00   |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 323922  | 21.01 | ng/ul | 0.00   |
| 29) 4-Chloroaniline-d4         | 10.61 | 131 | 216599  | 15.29 | ng/ul | 0.00   |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1131110 | 23.50 | ng/ul | 0.00   |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 1393187 | 23.46 | ng/ul | 0.00   |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 144898  | 17.33 | ng/ul | 0.00   |
| 57) Fluorene-d10               | 15.33 | 176 | 969883  | 23.43 | ng/ul | 0.00   |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 140127  | 17.56 | ng/ul | 0.00   |
| 70) Anthracene-d10             | 17.17 | 188 | 1559510 | 24.54 | ng/ul | 0.00   |
| 76) Pyrene-d10                 | 19.47 | 212 | 1783825 | 27.55 | ng/ul | 0.00   |
| 87) Benzo(a)pyrene-d12         | 23.36 | 264 | 1410178 | 25.21 | ng/ul | 0.00   |

#### Target Compounds

|                          |       |     |         |       | Ovalue     |
|--------------------------|-------|-----|---------|-------|------------|
| 6) Phenol                | 6.89  | 94  | 55905   | 3.280 | ng/ul 90   |
| 28) Naphthalene          | 10.52 | 128 | 115535  | 2.548 | ng/ul 99   |
| 44) Dimethylphthalate    | 13.79 | 163 | 225419  | 4.897 | ng/ul 100  |
| 74) Fluoranthene         | 19.14 | 202 | 146120  | 1.654 | ng/ul# 95  |
| 77) Pyrene               | 19.50 | 202 | 207870  | 2.633 | ng/ul# 94  |
| 80) Benzo(a)anthracene   | 21.25 | 228 | 107437m | 1.303 | ng/ul > 94 |
| 82) Chrysene             | 21.30 | 228 | 230819  | 3.018 | ng/ul 97   |
| 85) Benzo(b)fluoranthene | 22.83 | 252 | 270604  | 3.656 | ng/ul# 96  |
| 88) Benzo(a)pyrene       | 23.40 | 252 | 118615  | 1.784 | ng/ul# 96  |

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