

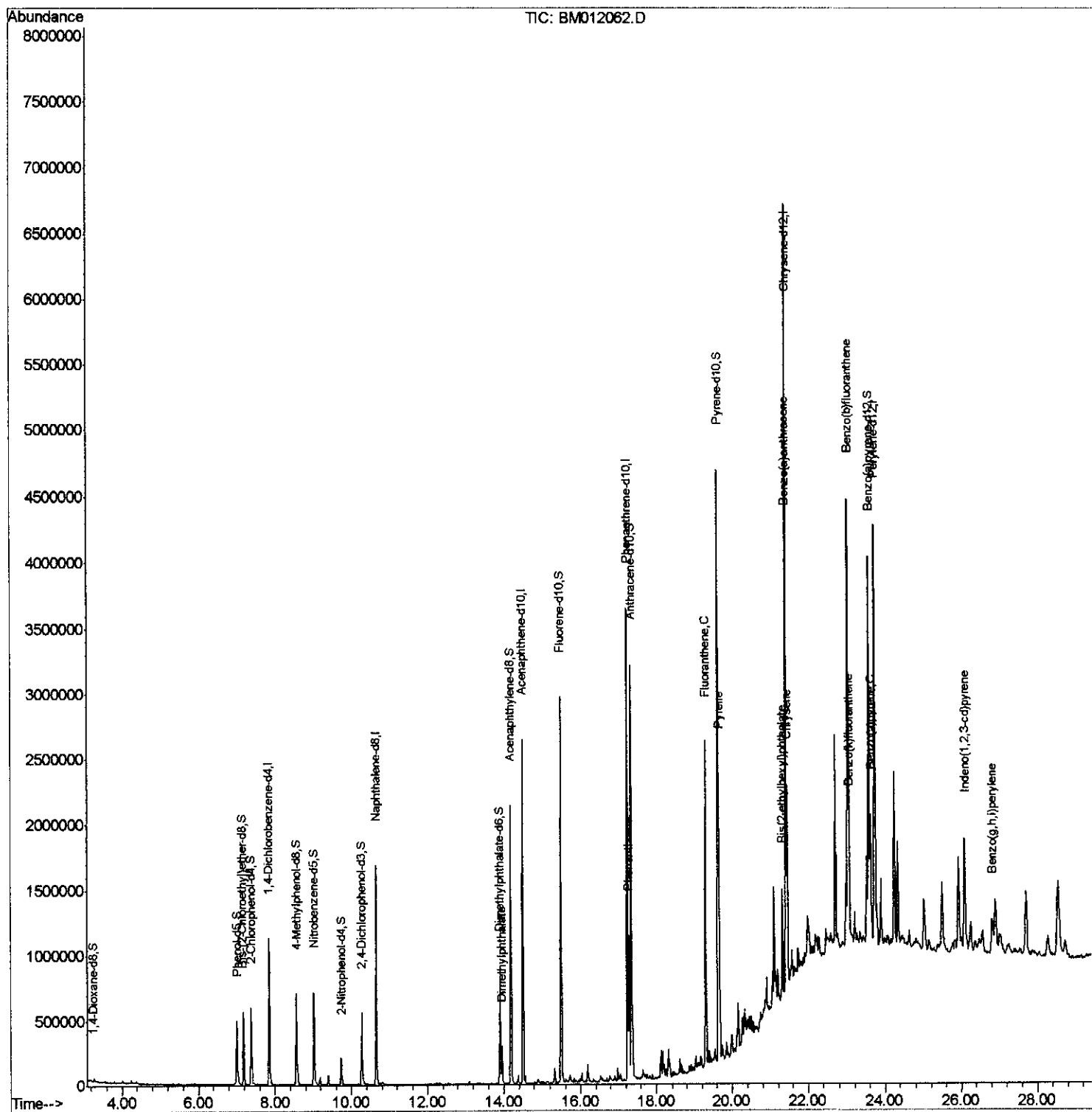
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
Data File : BM012062.D  
Acq On : 11 Oct 2017 03:15  
Operator : SJ/JU  
Sample : I5669-15  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
CB3M2

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:40 PM

Quant Time: Oct 11 04:05:22 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 02:39:56 2017  
Response via : Initial Calibration



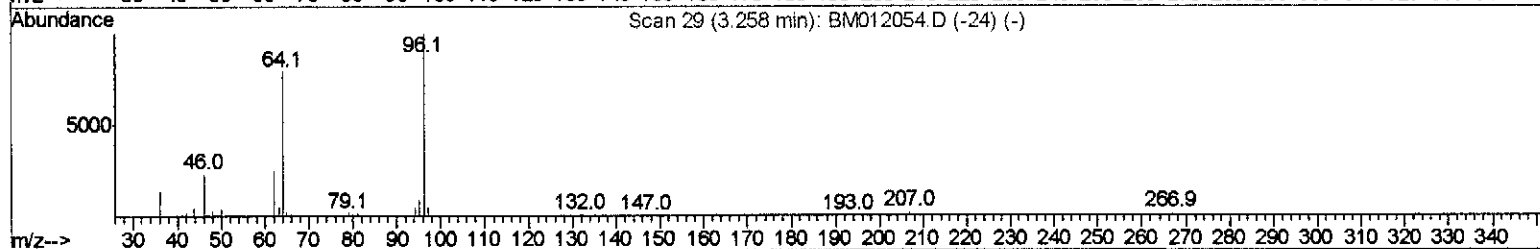
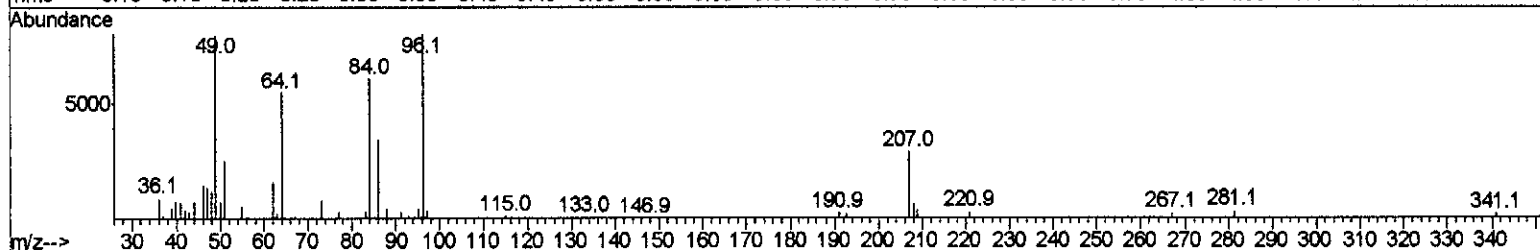
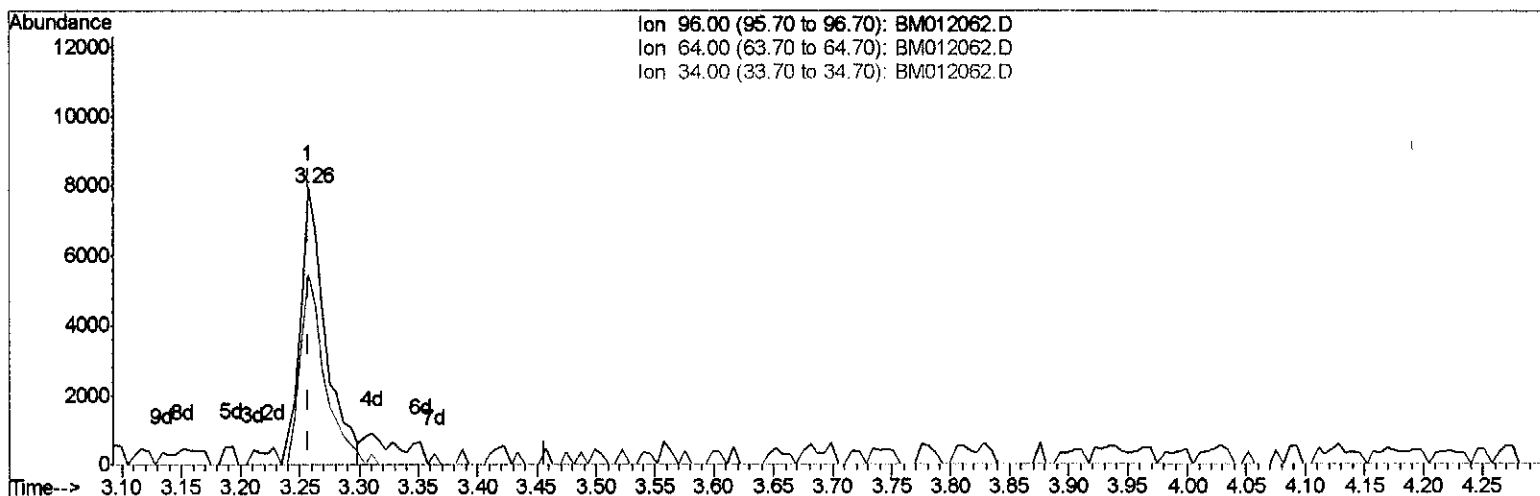
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Quant Time: Oct 11 03:59:21 2017  
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TIC: BM012062.D

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

3.257min (-0.000) 1.86ng/uL

response 11921

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 67.07 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

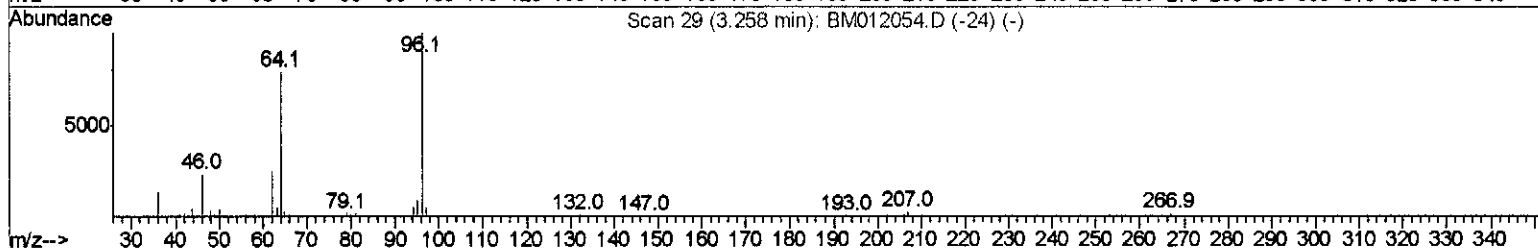
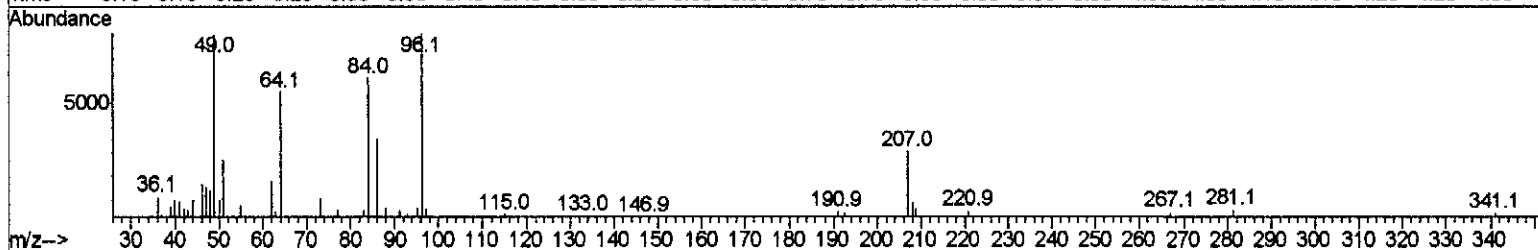
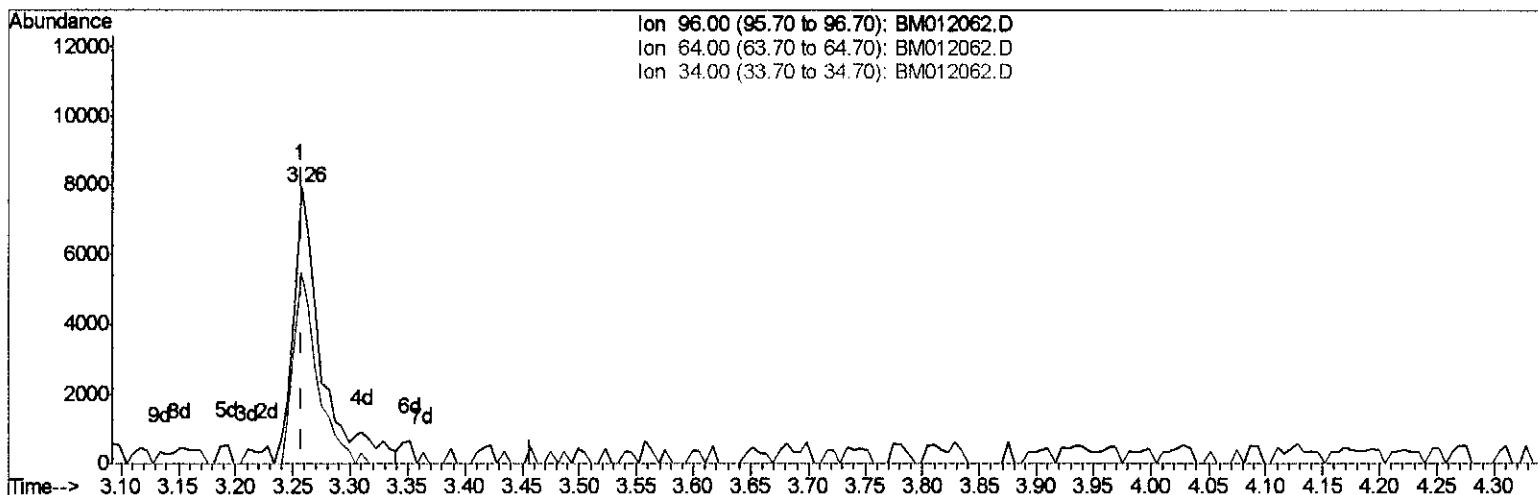
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CB3M2

Manual Integrations  
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Response via : Initial Calibration



TIC: BM012062.D

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

3.257min (-0.000) 2.10ng/uL m> 52 10/14/17

response 13414

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 74.90 | 59.61# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

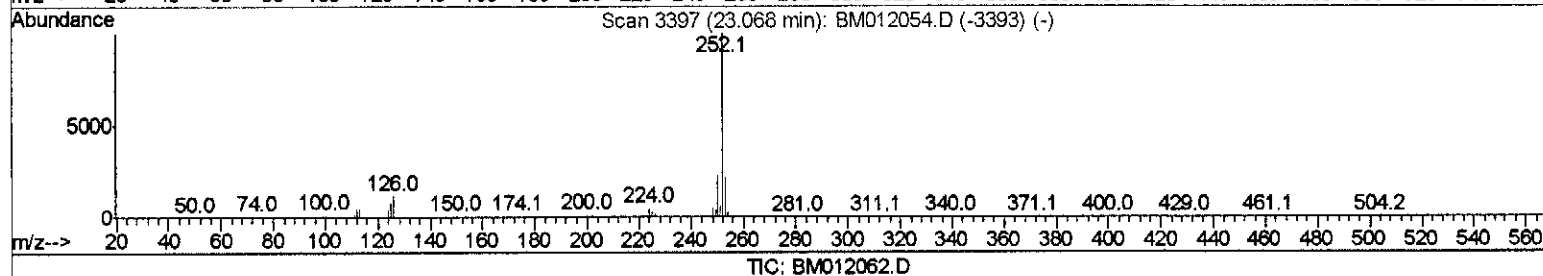
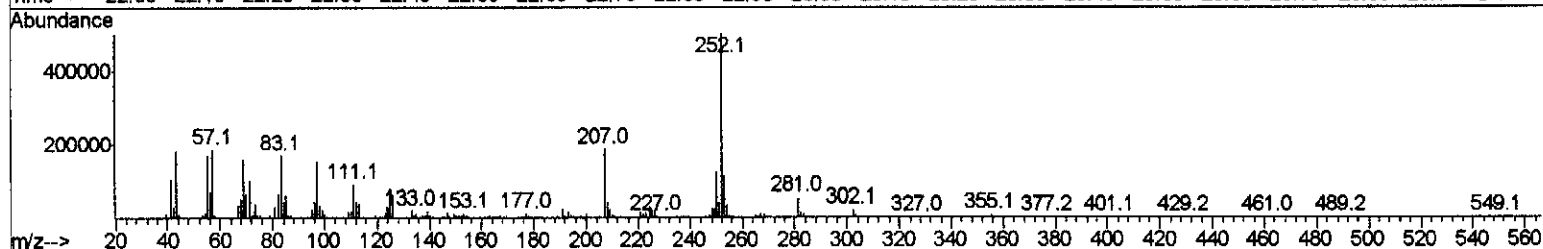
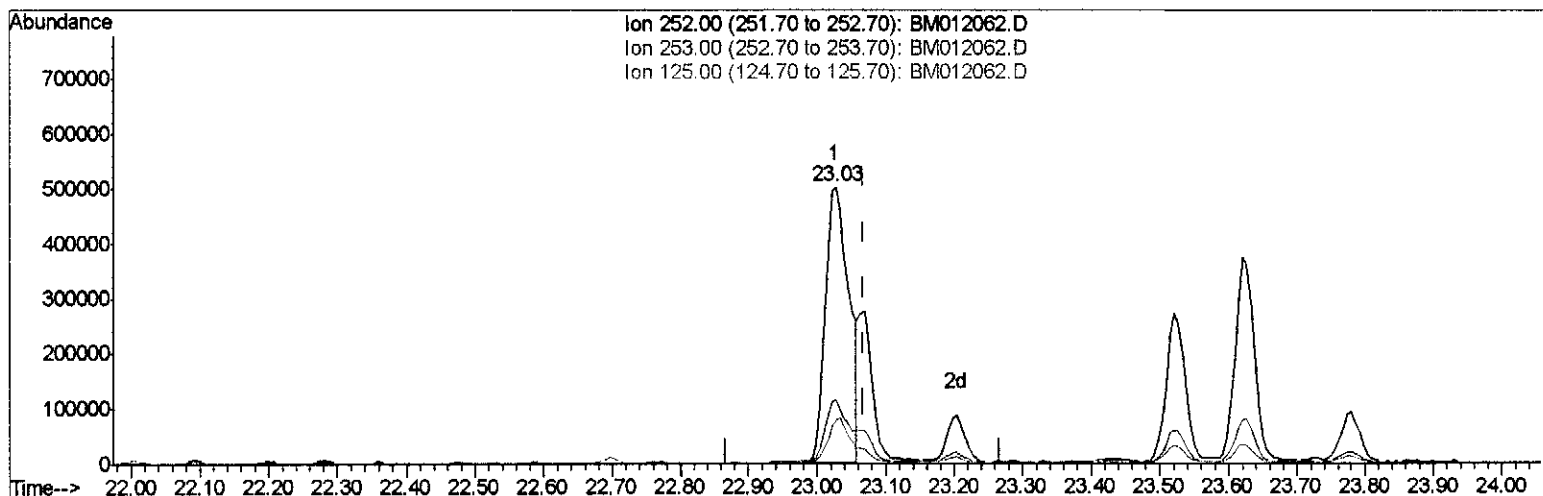
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Instrument :  
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CB3M2

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:40 PM

Quant Time: Oct 11 04:03:13 2017  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 02:39:56 2017  
Response via : Initial Calibration



(86) Benzo(k)fluoranthene  
23.027min (-0.041) 8.32ng/ui  
response 1212146

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.98  |
| 125.00 | 4.30  | 16.03# |
| 0.00   | 0.00  | 0.00   |

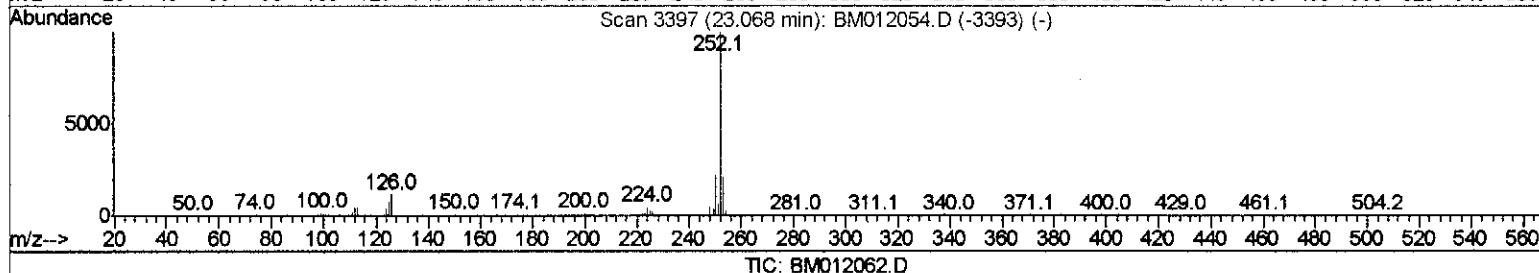
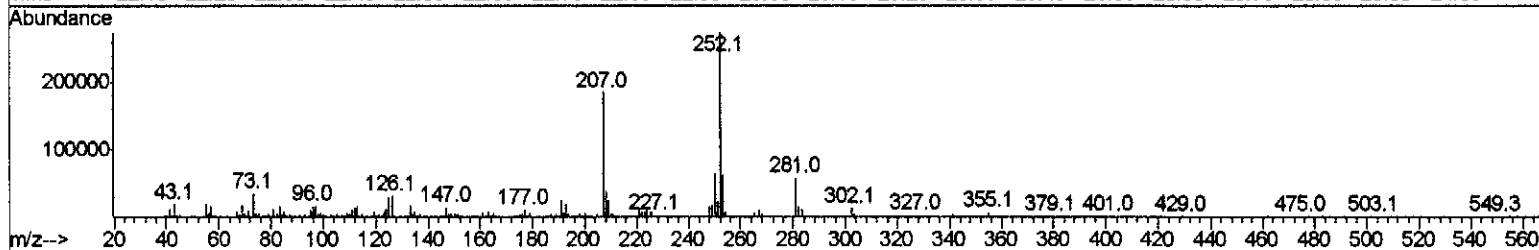
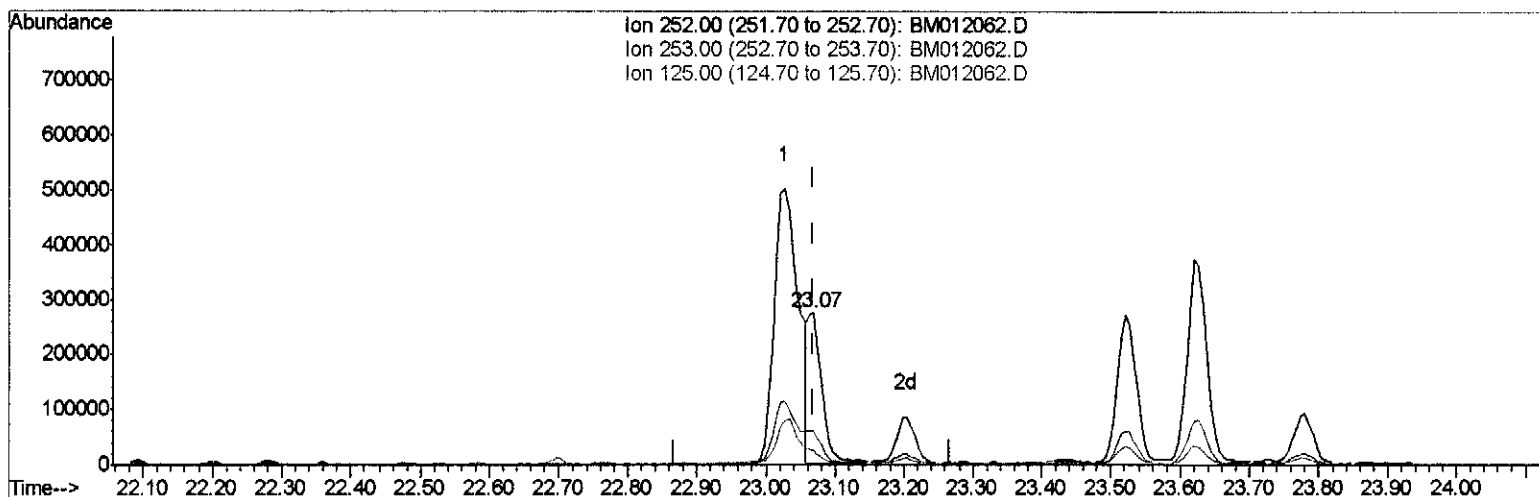
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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
CB3M2

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:40 PM

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QLast Update : Wed Oct 11 02:39:56 2017  
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.068min (-0.000) 2.61ng/ul m> 52 10/14/17

response 381000

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.80  |
| 125.00 | 4.30  | 10.09# |
| 0.00   | 0.00  | 0.00   |

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 Acq On : 11 Oct 2017 03:15  
 Operator : SJ/JU  
 Sample : I5669-15  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 CB3M2

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:29:40 PM

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 11 02:39:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 302395   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.65 | 136  | 1369474  | 20.00 | ng/ul | 0.00      |
| 35) Acenaphthene-d10      | 14.49 | 164  | 849708   | 20.00 | ng/ul | 0.00      |
| 61) Phenanthrene-d10      | 17.23 | 188  | 2039799  | 20.00 | ng/ul | 0.00      |
| 75) Chrysene-d12          | 21.41 | 240  | 2542927  | 20.00 | ng/ul | 0.00      |
| 83) Perylene-d12          | 23.73 | 264  | 2401557  | 20.00 | ng/ul | 0.00      |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 13414m  | 2.10  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 293684  | 11.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.17  | 67  | 262522  | 17.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 275297  | 13.19 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 278219  | 12.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 173029  | 17.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 65594   | 5.97  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 238903  | 10.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 12683   | 0.52  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 558905  | 7.59  | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 1545150 | 17.86 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.75 | 143 | 1917    | 0.15  | ng/ul | 0.06 |
| 57) Fluorene-d10               | 15.48 | 176 | 1121798 | 17.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 4339    | 0.32  | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.33 | 188 | 1747172 | 17.38 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 2156836 | 18.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 2010514 | 17.40 | ng/ul | 0.00 |

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## Target Compounds

|                                |       |     |         | Ovalue        |    |
|--------------------------------|-------|-----|---------|---------------|----|
| 44) Dimethylphthalate          | 13.94 | 163 | 189502  | 2.675 ng/ul   | 98 |
| 69) Phenanthrene               | 17.27 | 178 | 630568  | 5.620 ng/ul   | 99 |
| 74) Fluoranthene               | 19.29 | 202 | 1506298 | 11.003 ng/ul# | 92 |
| 77) Pyrene                     | 19.65 | 202 | 1322500 | 9.380 ng/ul#  | 89 |
| 80) Benzo(a)anthracene         | 21.39 | 228 | 837200  | 5.747 ng/ul   | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 283928  | 3.455 ng/ul   | 97 |
| 82) Chrysene                   | 21.44 | 228 | 847614  | 6.124 ng/ul   | 99 |
| 85) Benzo(b)fluoranthene       | 23.03 | 252 | 1212146 | 8.304 ng/ul#  | 93 |
| 86) Benzo(k)fluoranthene       | 23.07 | 252 | 381000m | 2.614 ng/ul   | 96 |
| 88) Benzo(a)pyrene             | 23.62 | 252 | 712044  | 5.076 ng/ul#  | 96 |
| 89) Indeno(1,2,3-cd)pyrene     | 26.09 | 276 | 466577  | 3.108 ng/ul#  | 94 |
| 91) Benzo(a,h,i)perylene       | 26.82 | 276 | 373263  | 3.006 ng/ul#  | 91 |

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