

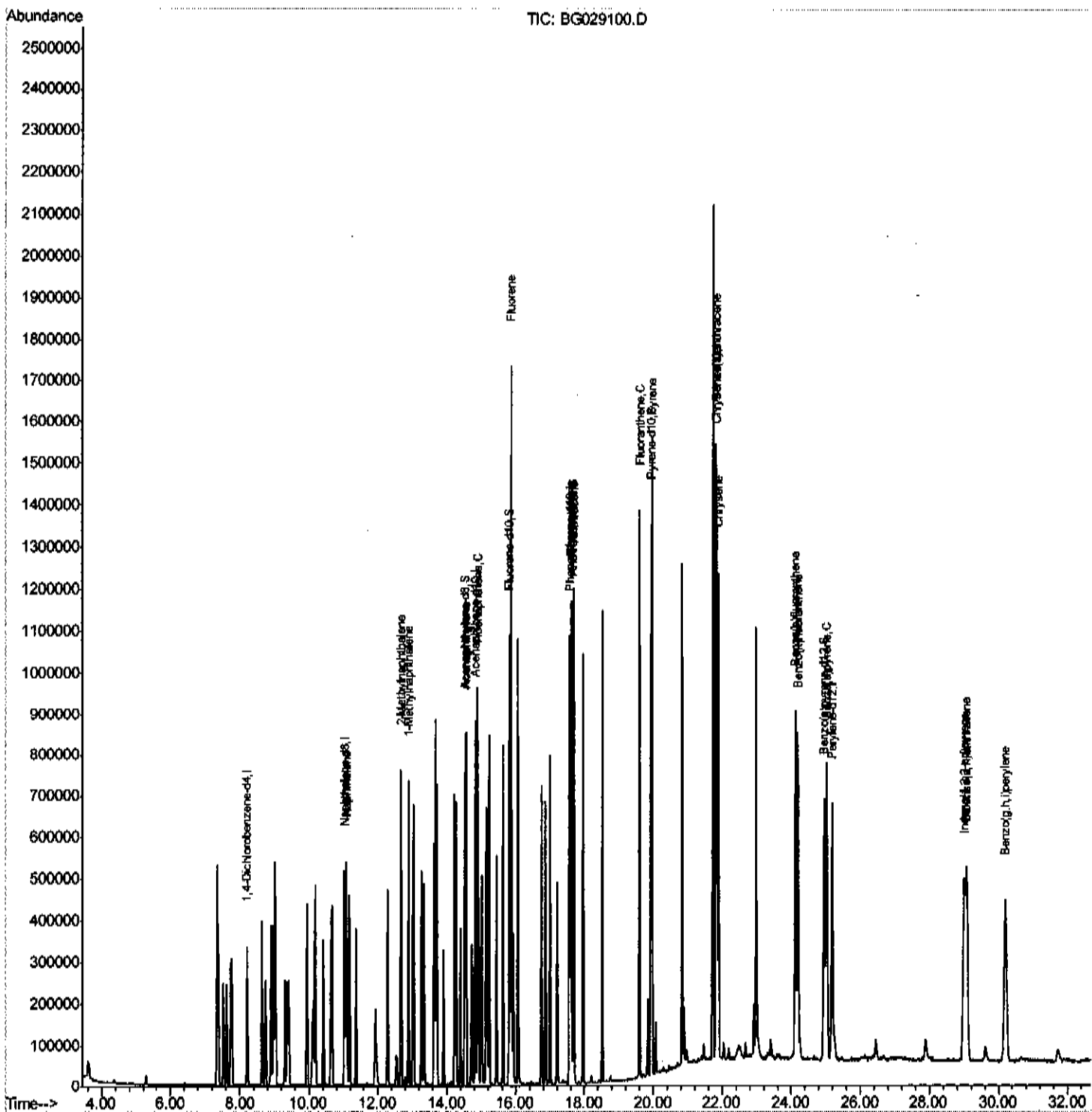
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\  
Data File : BG029100.D  
Acq On : 9 Oct 2017 8:18  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02062

Manual Integrations  
APPROVED

Sohil  
10/9/2017 6:50:27 PM

Quant Time: Oct 09 09:22:33 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 09 08:00:20 2017  
Response via : Initial Calibration



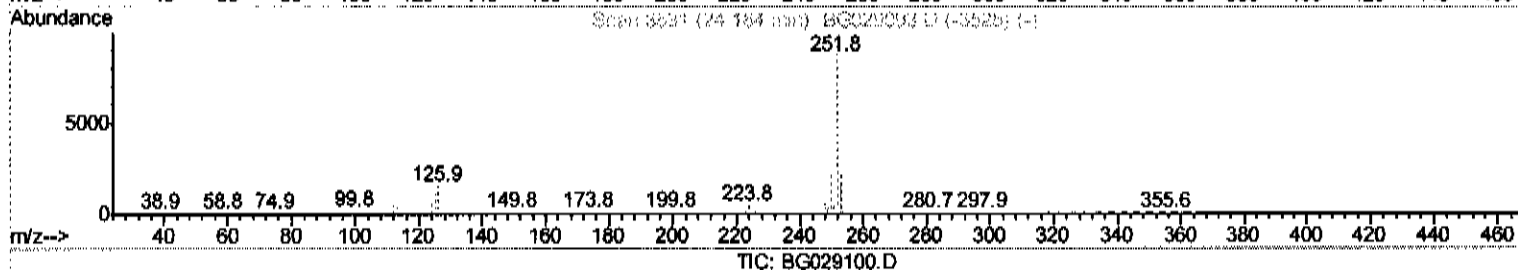
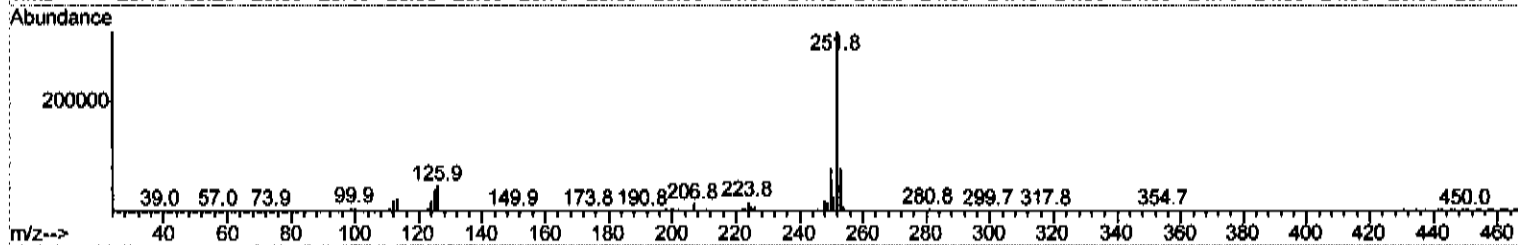
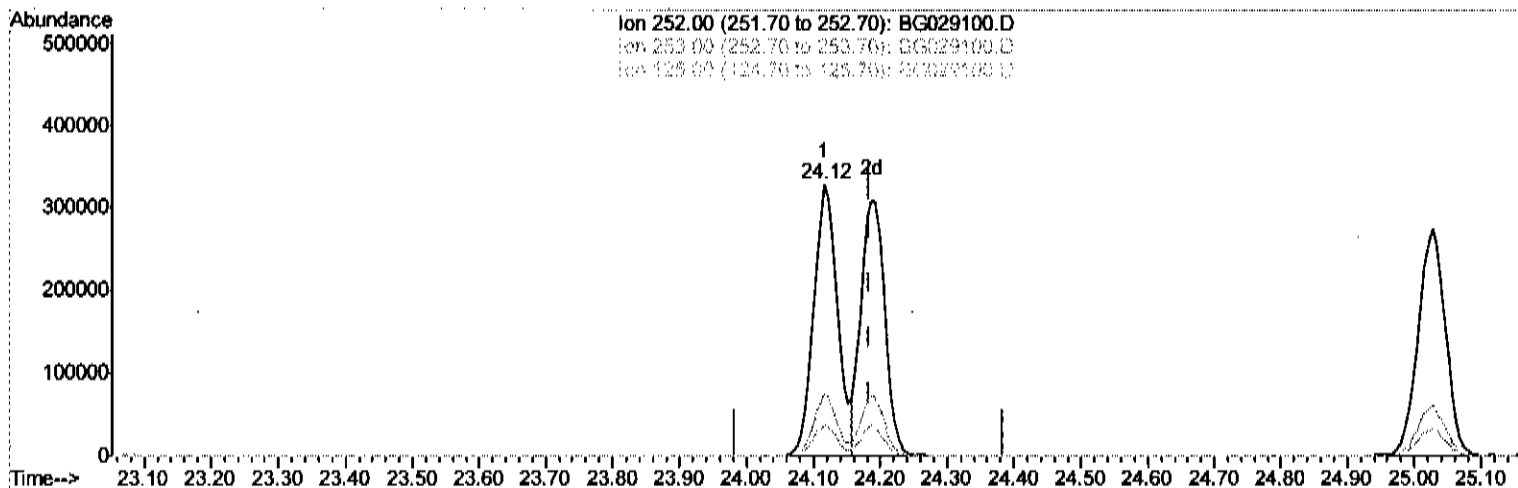
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\  
Data File : BG029100.D  
Acq On : 9 Oct 2017 8:18  
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Manual Integrations  
APPROVED

Sohil  
10/9/2017 6:50:27 PM

Quant Time: Oct 09 09:20:26 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 09 08:00:20 2017  
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.116min (-0.067) 21.91ng/ui

response 829347

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 23.08 |
| 125.00 | 10.10 | 11.37 |
| 0.00   | 0.00  | 0.00  |

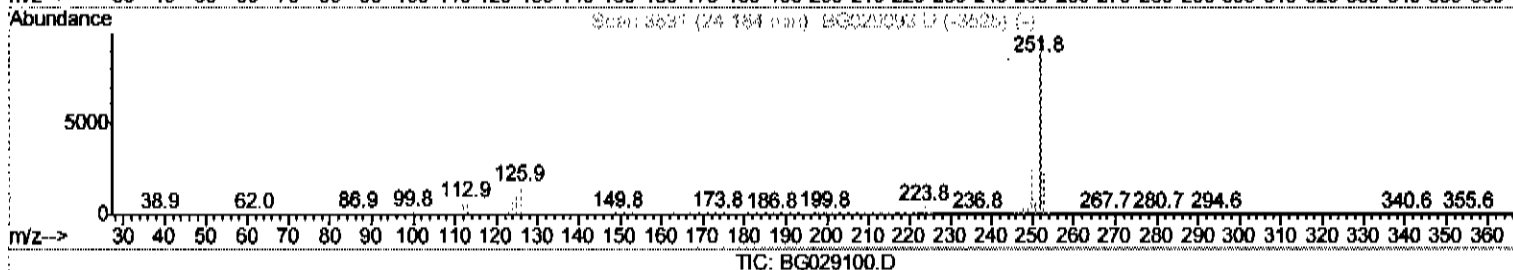
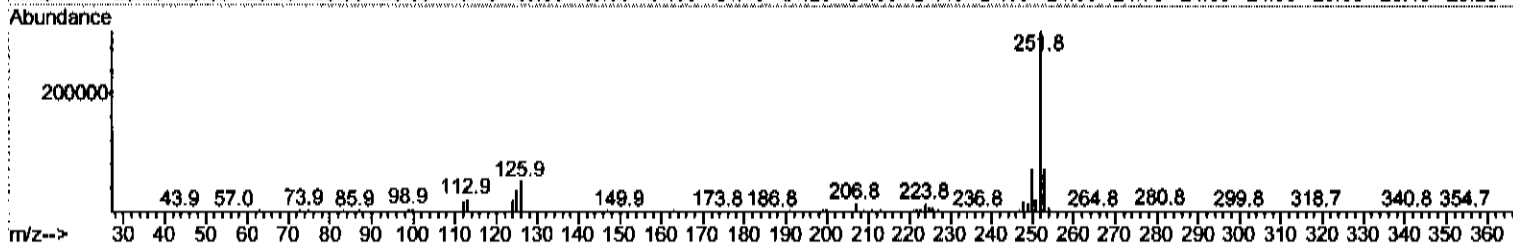
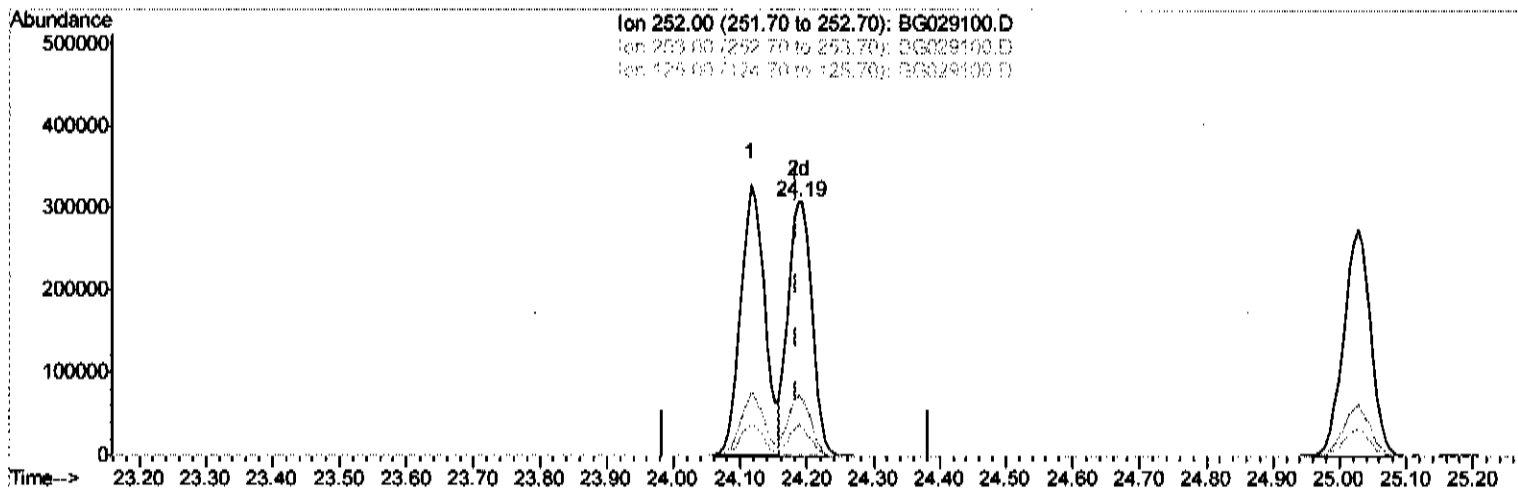
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\  
Data File : BG029100.D  
Acq On : 9 Oct 2017 8:18  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02062

Manual Integrations  
APPROVED

Sohil  
10/9/2017 6:50:27 PM

Quant Time: Oct 09 09:20:26 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 09 08:00:20 2017  
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.187min (+0.003) 20.19ng/ul m

response 764507

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.50 | 23.77  |
| 125.00 | 10.10 | 12.37# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\  
 Data File : BG029100.D  
 Acq On : 9 Oct 2017 8:18  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SST02062

Manual Integrations  
 APPROVED

Sohil  
 10/9/2017 6:50:27 PM

Quant Time: Oct 09 09:22:33 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 09 08:00:20 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 100161   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.03 | 136  | 461917   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.83 | 164  | 302079   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.57 | 188  | 678539   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.84 | 240  | 643073   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 25.19 | 264  | 648422   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 14.52 | 160  | 646602   | 20.58 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.81 | 176  | 461646   | 20.26 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 17.66 | 188  | 673117   | 20.48 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 19.93 | 212  | 708171   | 21.52 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.95 | 264  | 643827   | 20.73 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 3) Naphthalene             | 11.08 | 128  | 490868   | 20.413 | ng/ul  | 98     |
| 4) 2-Methylnaphthalene     | 12.67 | 142  | 377917   | 20.706 | ng/ul  | 99     |
| 5) 1-Methylnaphthalene     | 12.89 | 142  | 357923   | 20.548 | ng/ul# | 99     |
| 8) Acenaphthylene          | 14.55 | 152  | 620727   | 20.522 | ng/ul  | 99     |
| 9) Acenaphthene            | 14.89 | 153  | 419715   | 20.388 | ng/ul  | 97     |
| 11) Fluorene               | 15.87 | 166  | 486467   | 20.192 | ng/ul  | 93     |
| 13) Phenanthrene           | 17.61 | 178  | 742556   | 20.517 | ng/ul  | 98     |
| 15) Anthracene             | 17.69 | 178  | 767501   | 20.728 | ng/ul  | 98     |
| 16) Fluoranthene           | 19.60 | 202  | 856195   | 20.180 | ng/ul  | 98     |
| 19) Pyrene                 | 19.96 | 202  | 859749   | 21.448 | ng/ul  | 99     |
| 20) Benzo(a)anthracene     | 21.82 | 228  | 822128   | 21.708 | ng/ul  | 97     |
| 21) Chrysene               | 21.89 | 228  | 751931   | 21.683 | ng/ul  | 99     |
| 23) Benzo(b)fluoranthene   | 24.12 | 252  | 829347   | 21.380 | ng/ul  | 98     |
| 24) Benzo(k)fluoranthene   | 24.19 | 252  | 764507m  | 20.193 | ng/ul  | 98     |
| 26) Benzo(a)pyrene         | 25.03 | 252  | 776501   | 20.609 | ng/ul  | 97     |
| 27) Indeno(1,2,3-cd)pyrene | 29.00 | 276  | 888131   | 20.769 | ng/ul# | 93     |
| 28) Dibenzo(a,h)anthracene | 29.08 | 278  | 740838   | 20.924 | ng/ul  | 98     |
| 29) Benzo(a,h,i)perylene   | 30.20 | 276  | 744126   | 21.103 | ng/ul# | 94     |

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

ju 10/9/17