

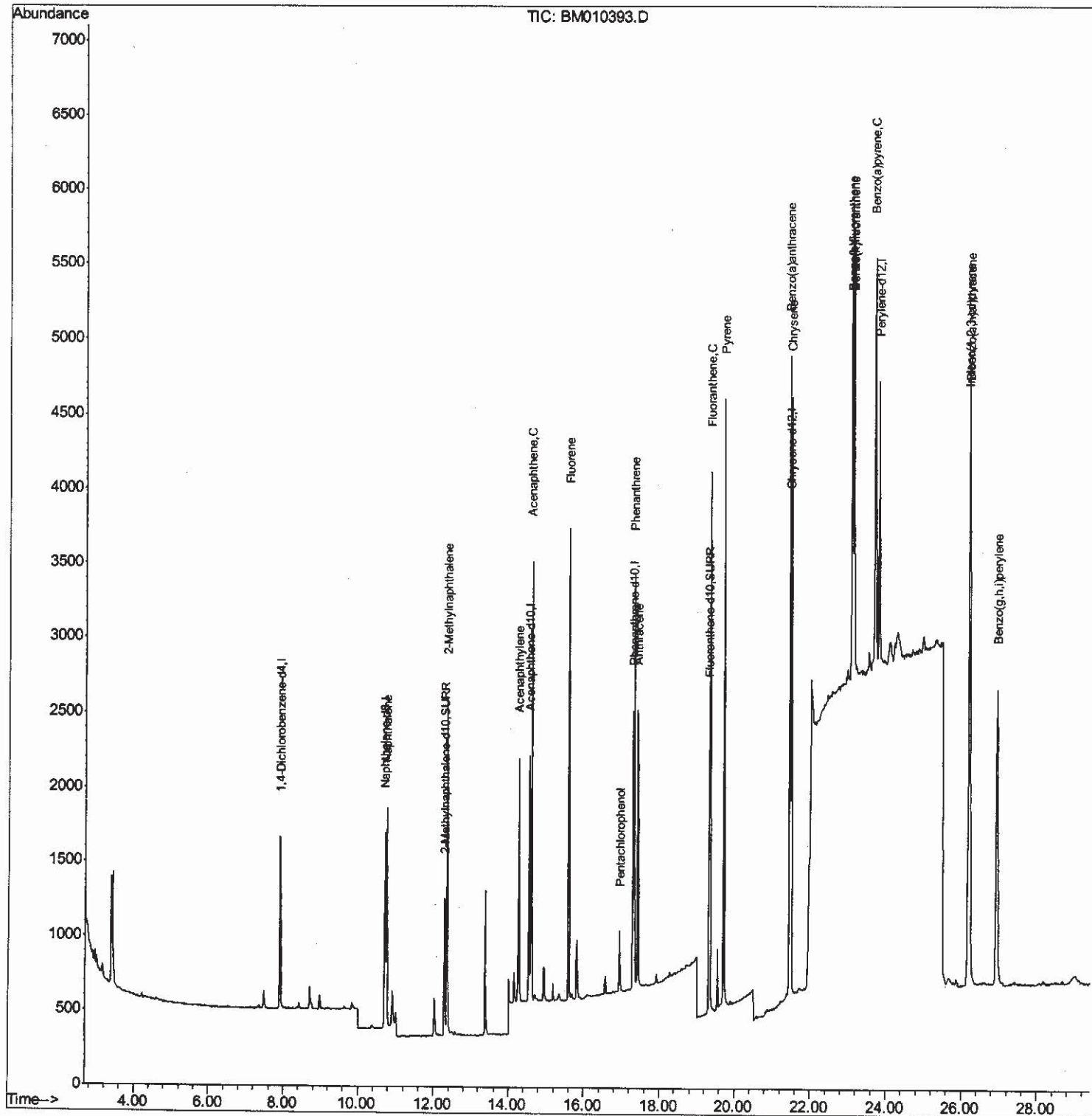
Data Path : Z:\HPCHEM1\BNA M\Data\BM060217\  
Data File : BM010393.D  
Acq On : 02 Jun 2017 18:36  
Operator : SJ/MA  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD0.417

Manual Integrations  
APPROVED

mohammad  
6/5/2017 11:38:41 AM

Quant Time: Jun 02 19:08:53 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 02 17:41:09 2017  
Response via : Initial Calibration



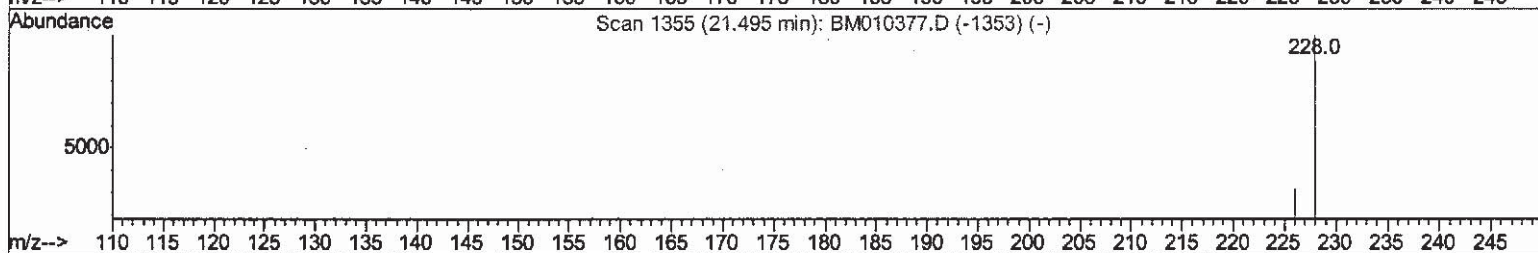
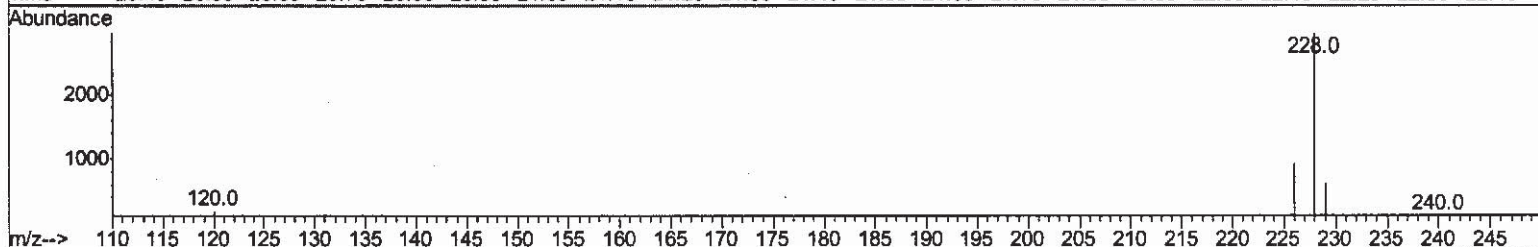
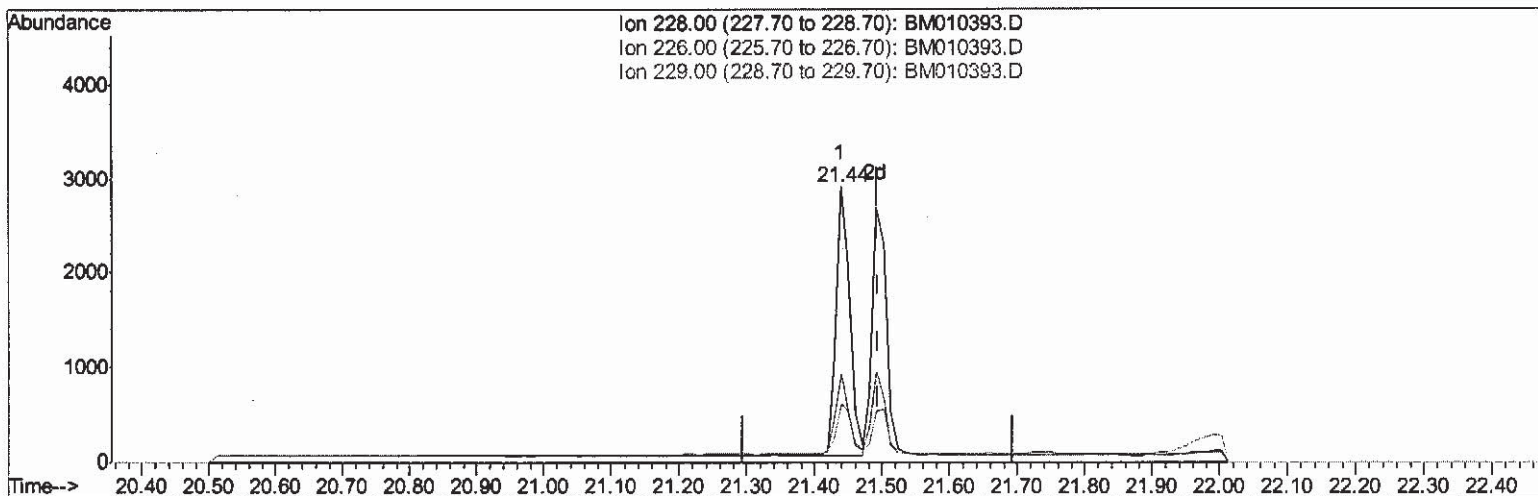
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Quant Time: Jun 02 19:07:05 2017  
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QLast Update : Fri Jun 02 17:41:09 2017  
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TIC: BM010393.D

(19) Chrysene

21.440min (-0.055) 0.42ng/ul

response 4066

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.20 | 31.69 |
| 229.00 | 22.10 | 21.09 |
| 0.00   | 0.00  | 0.00  |

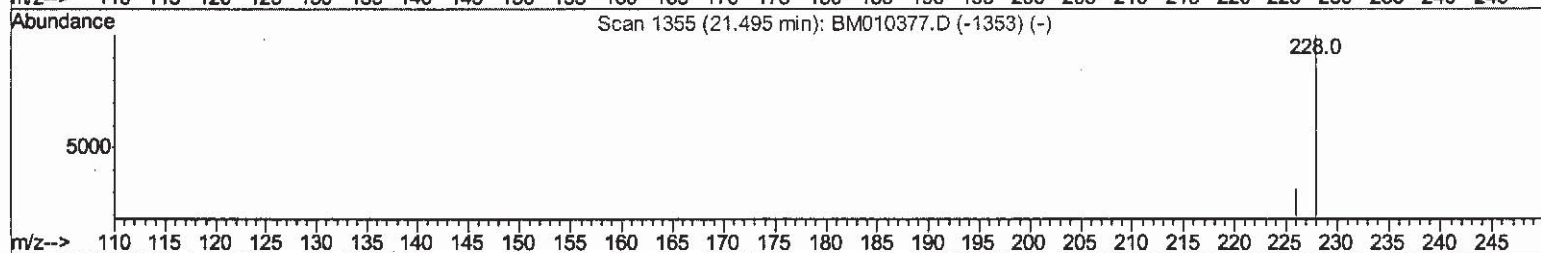
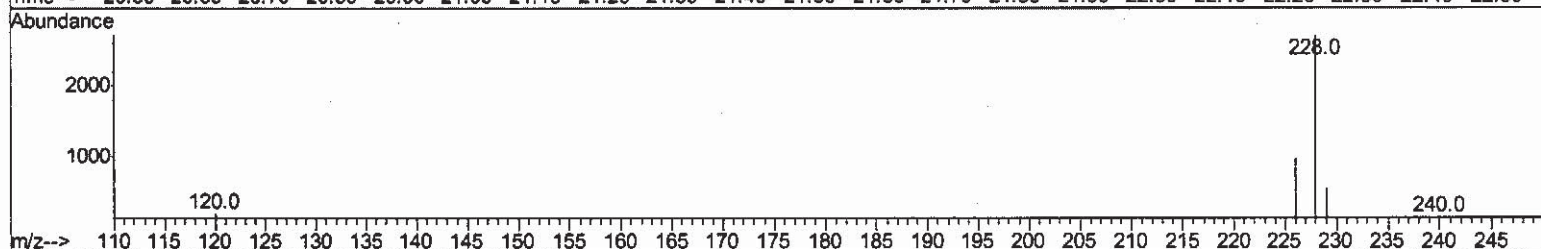
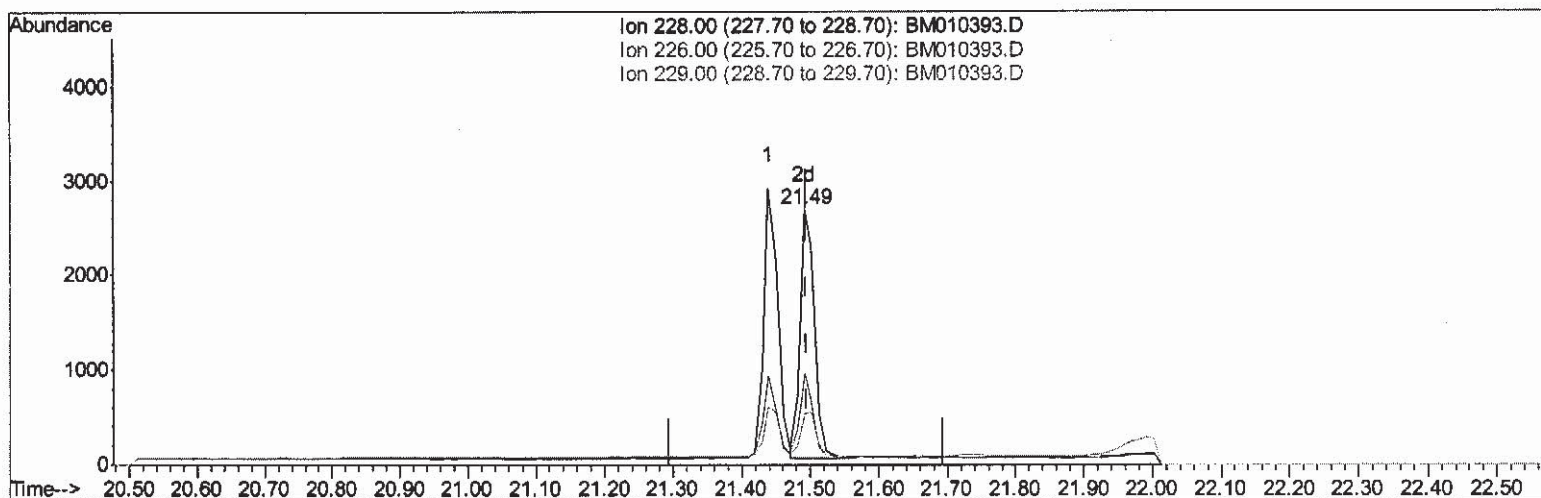
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BNA\_M  
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Manual Integrations  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M  
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QLast Update : Fri Jun 02 17:41:09 2017  
Response via : Initial Calibration



TIC: BM010393.D

(19) Chrysene

21.492min (-0.003) 0.39ng/ul m 51 6/6/17

response 3831

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.20 | 35.63# |
| 229.00 | 22.10 | 20.32  |
| 0.00   | 0.00  | 0.00   |



Data Path : Z:\HPCHEM1\BNA M\Data\BM060217\  
 Data File : BM010393.D  
 Acq On : 02 Jun 2017 18:36  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD0.417

Manual Integrations  
 APPROVED

mohammad  
 6/5/2017 11:38:41 AM

Quant Time: Jun 02 19:08:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 02 17:41:09 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 744      | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.72 | 136  | 2117     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.55 | 164  | 1141     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.30 | 188  | 2507     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.46 | 240  | 2486     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.81 | 264  | 2644     | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.30 | 152  | 1240     | 0.40 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.31 | 212  | 2664     | 0.40 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.77 | 128  | 2188     | 0.39 | ng/ul  | 97     |
| 5) 2-Methylnaphthalene     | 12.37 | 142  | 1588     | 0.40 | ng/ul  | 99     |
| 7) Acenaphthylene          | 14.26 | 152  | 2314     | 0.41 | ng/ul  | 95     |
| 8) Acenaphthene            | 14.61 | 153  | 1728     | 0.40 | ng/ul  | 97     |
| 9) Fluorene                | 15.60 | 166  | 2016     | 0.39 | ng/ul  | 92     |
| 11) Pentachlorophenol      | 16.95 | 266  | 425      | 0.44 | ng/ul  | 96     |
| 12) Phenanthrene           | 17.33 | 178  | 3131     | 0.39 | ng/ul  | 99     |
| 13) Anthracene             | 17.42 | 178  | 3028     | 0.40 | ng/ul  | 98     |
| 15) Fluoranthene           | 19.35 | 202  | 3959     | 0.40 | ng/ul  | 93     |
| 17) Pyrene                 | 19.71 | 202  | 4160     | 0.39 | ng/ul  | 97     |
| 18) Benzo(a)anthracene     | 21.44 | 228  | 4066     | 0.40 | ng/ul  | 96     |
| 19) Chrysene               | 21.49 | 228  | 3831m    | 0.39 | ng/ul  | 96     |
| 21) Benzo(b)fluoranthene   | 23.09 | 252  | 4409     | 0.38 | ng/ul  | 86     |
| 22) Benzo(k)fluoranthene   | 23.13 | 252  | 4358     | 0.40 | ng/ul# | 87     |
| 23) Benzo(a)pyrene         | 23.70 | 252  | 4437     | 0.41 | ng/ul# | 84     |
| 24) Indeno(1,2,3-cd)pyrene | 26.19 | 276  | 5543     | 0.38 | ng/ul# | 93     |
| 25) Dibenzo(a,h)anthracene | 26.21 | 278  | 4412     | 0.38 | ng/ul  | 94     |
| 26) Benzo(a,h,i)perylene   | 26.94 | 276  | 4684     | 0.38 | ng/ul  | 94     |

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

SJ 6/6/17