

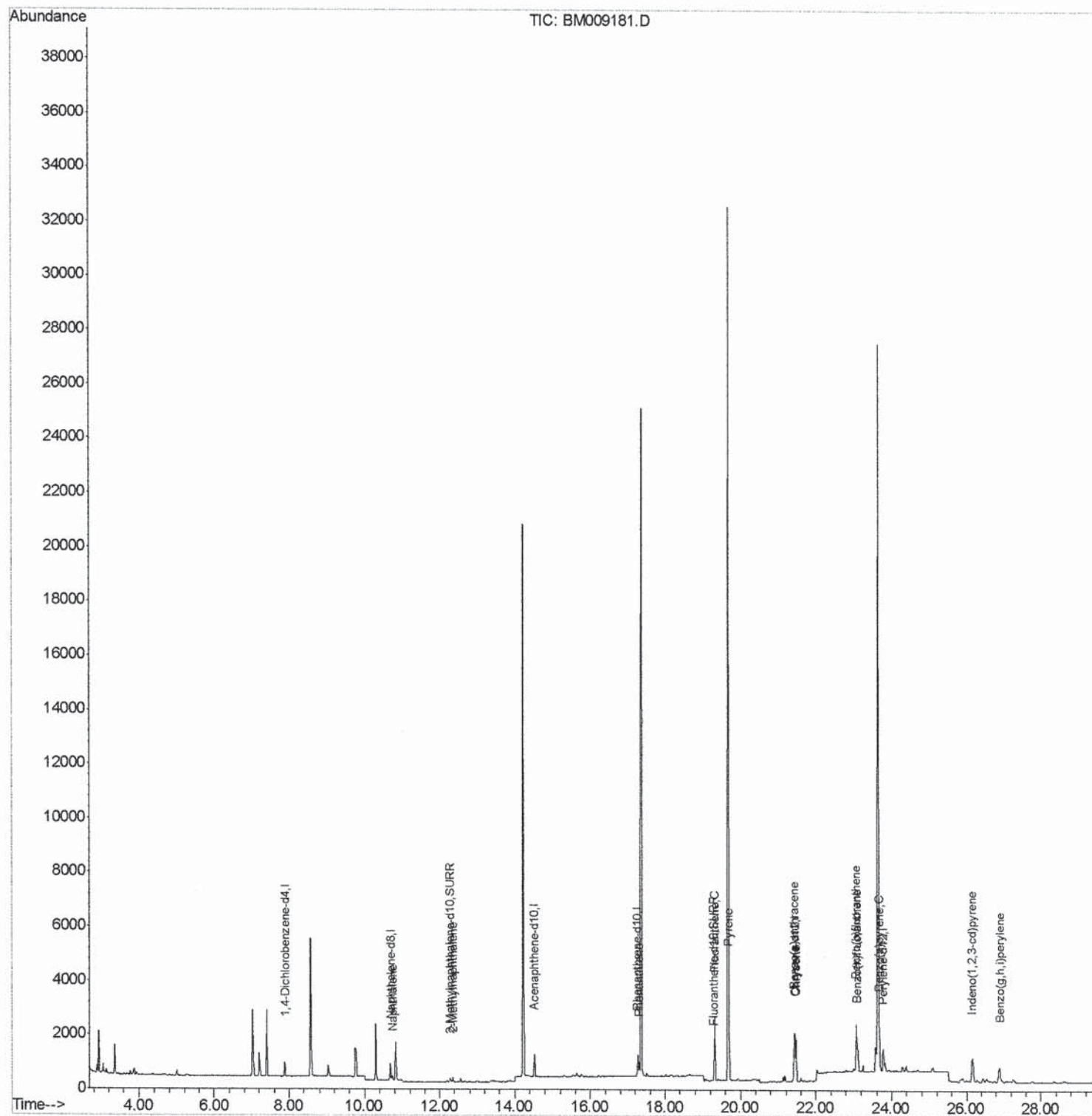
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\  
Data File : BM009181.D  
Acq On : 10 Mar 2017 18:46  
Operator : SJ/MA  
Sample : I2107-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5

Manual Integrations  
APPROVED

mohammad  
3/13/2017 2:13:54 PM

Quant Time: Mar 11 01:00:50 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 11 00:54:34 2017  
Response via : Initial Calibration



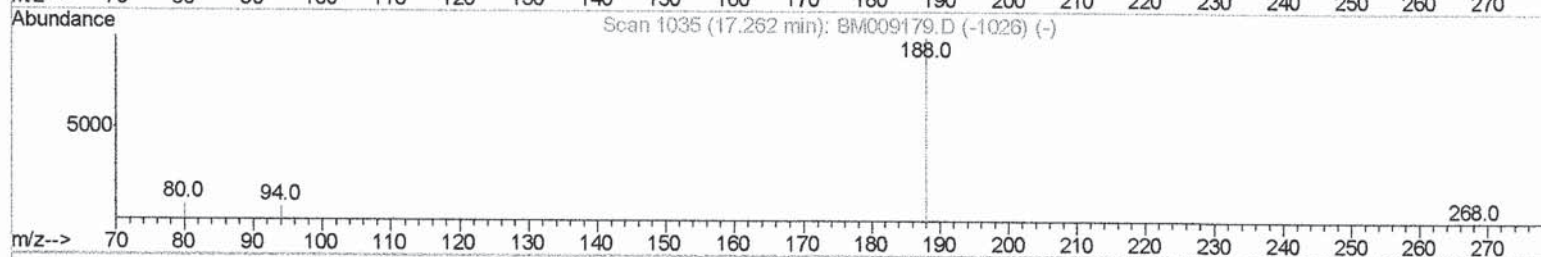
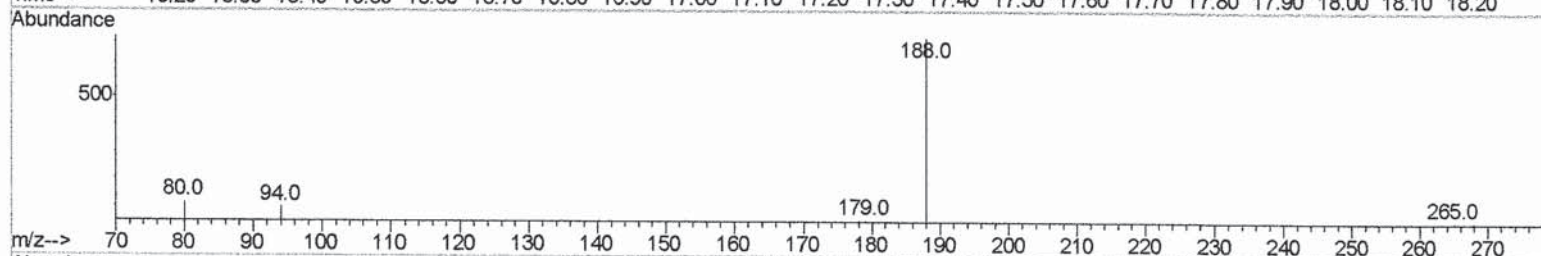
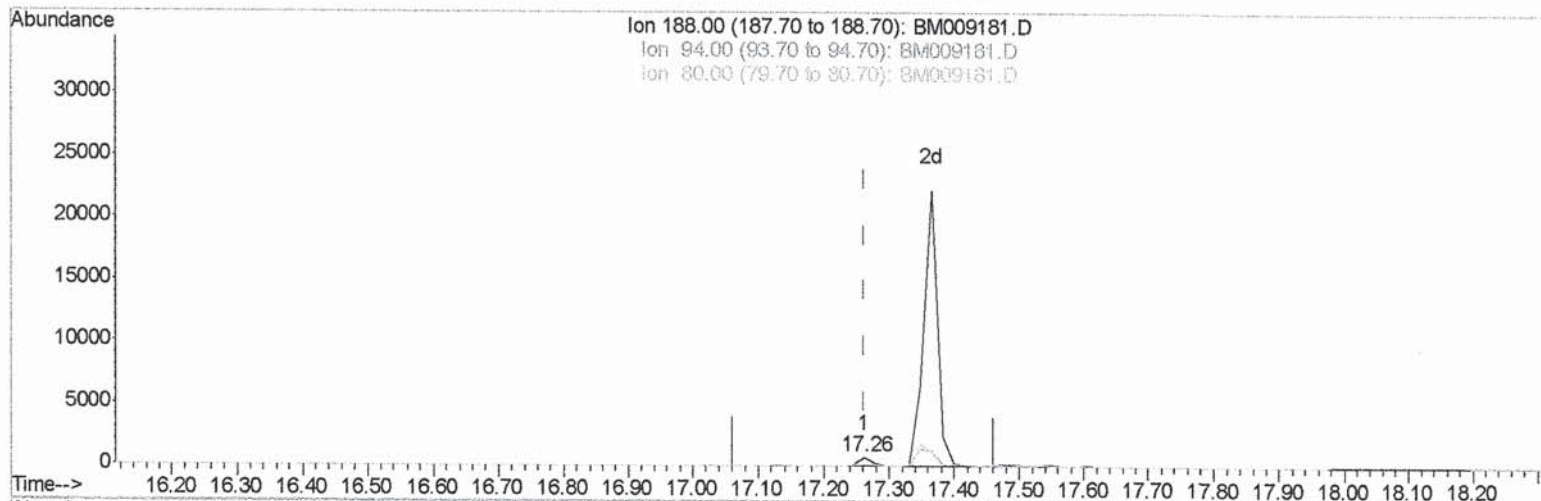
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Response via : Initial Calibration



TIC: BM009181.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul

response 987

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 13.52# |
| 80.00  | 11.80 | 15.59# |
| 0.00   | 0.00  | 0.00   |

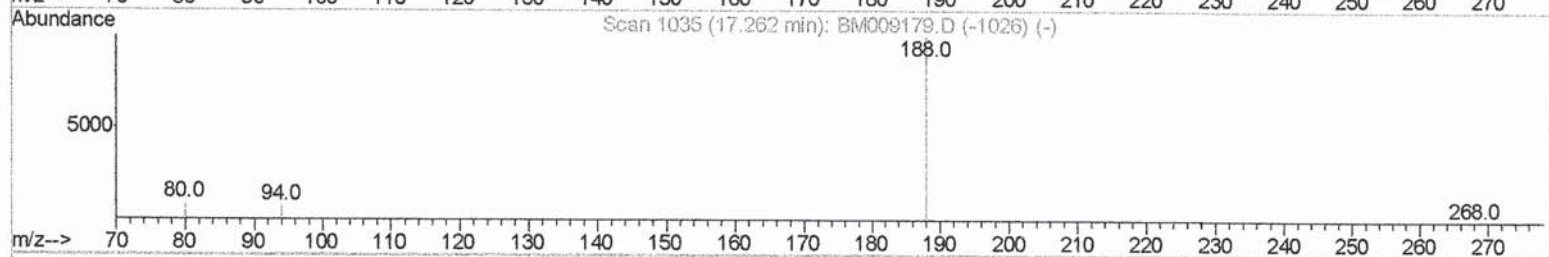
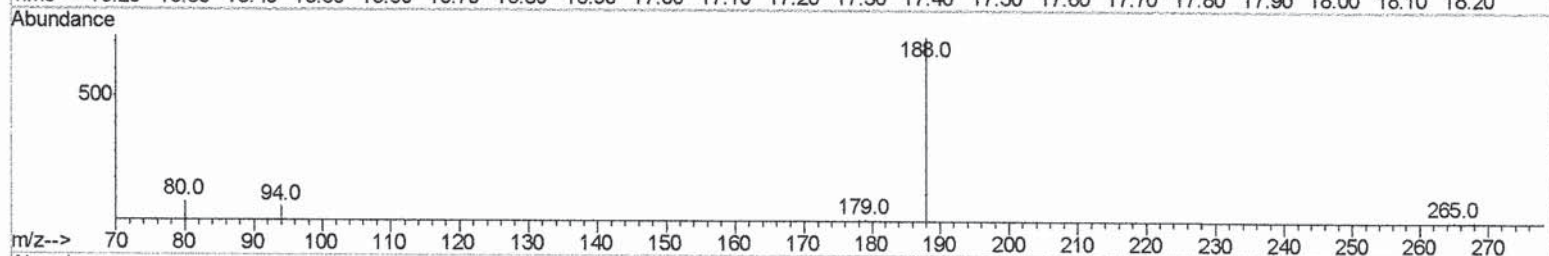
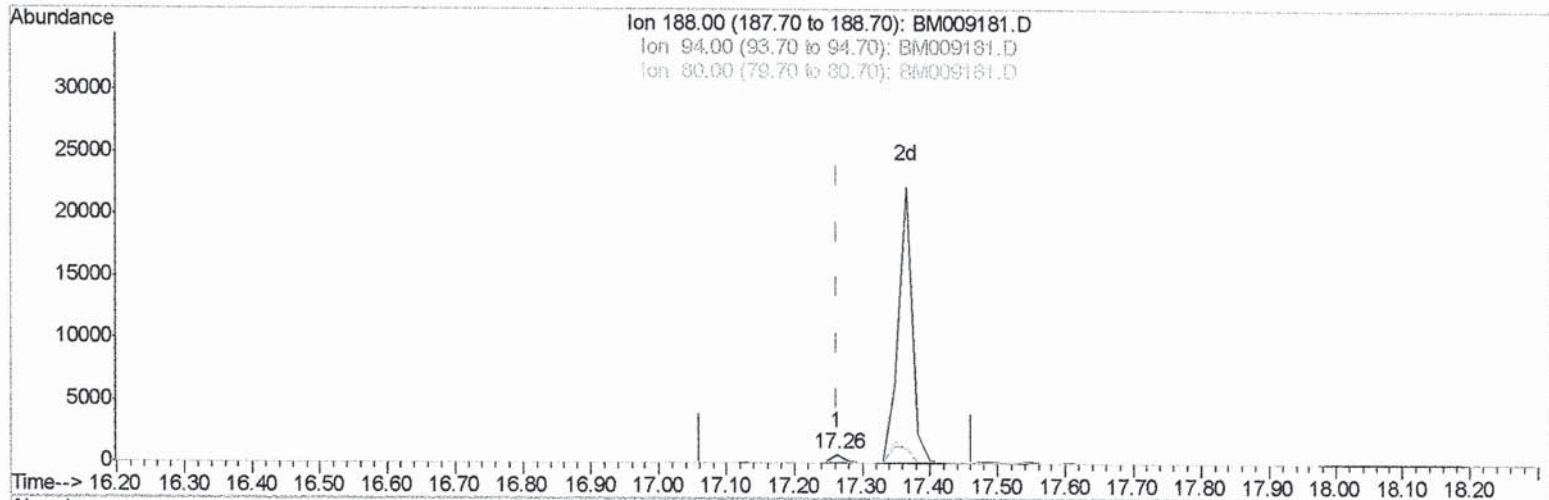
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Instrument :  
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ClientSampleId :  
C0AA5

Manual Integrations  
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Response via : Initial Calibration



TIC: BM009181.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m

response 1085

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 13.52# |
| 80.00  | 11.80 | 15.59# |
| 0.00   | 0.00  | 0.00   |

SJ  
03/13/17

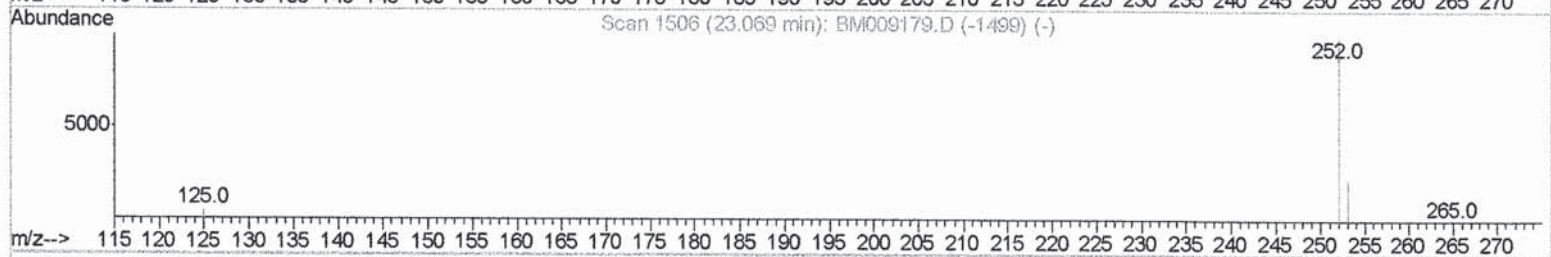
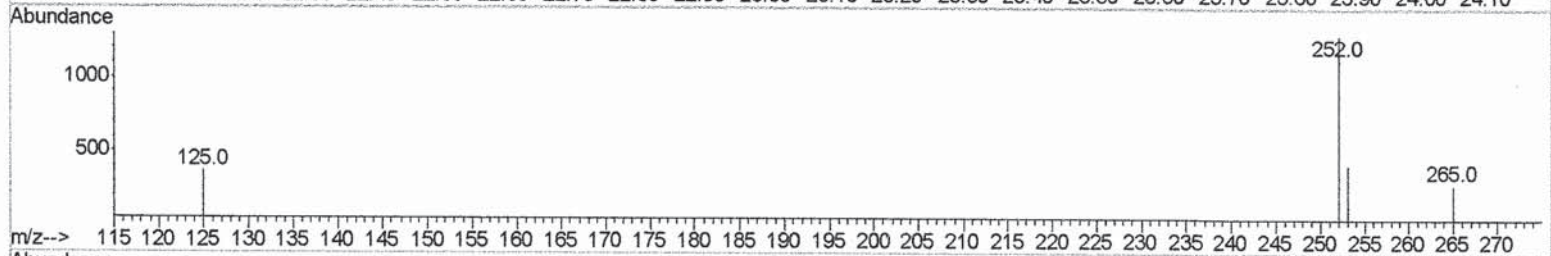
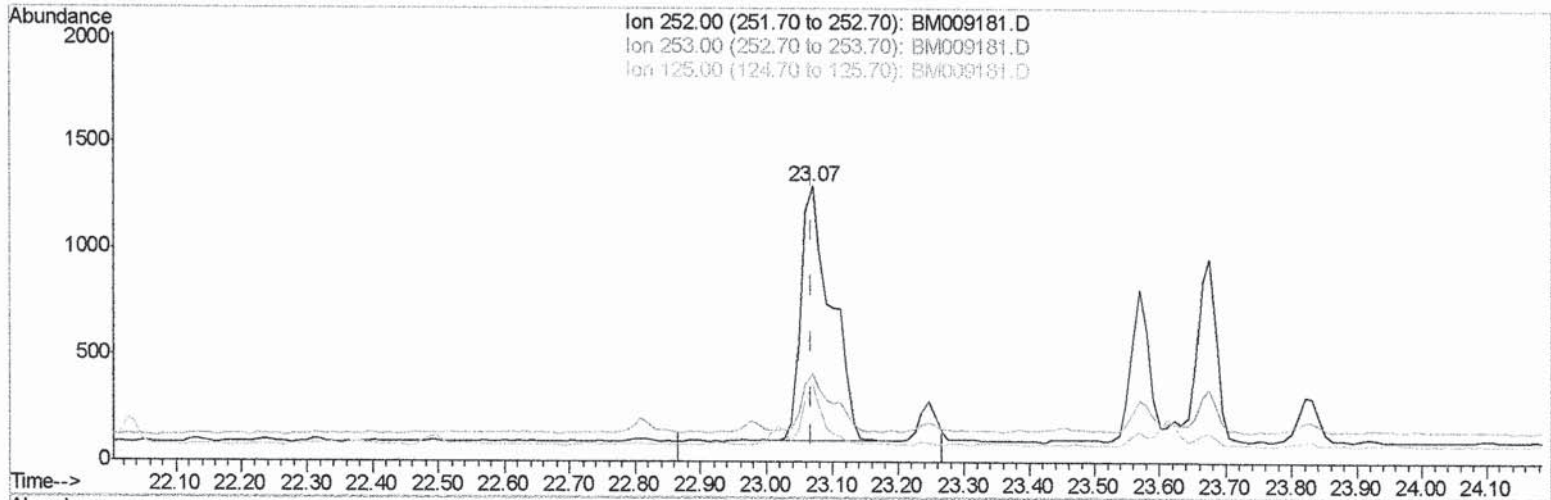
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Sample : I2107-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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mohammad  
3/13/2017 2:13:54 PM

Quant Time: Mar 11 00:59:19 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M  
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TIC: BM009181.D

(21) Benzo(b)fluoranthene

23.069min (-0.000) 0.83ng/ul

response 3772

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 32.10 |
| 125.00 | 17.50 | 28.16 |
| 0.00   | 0.00  | 0.00  |

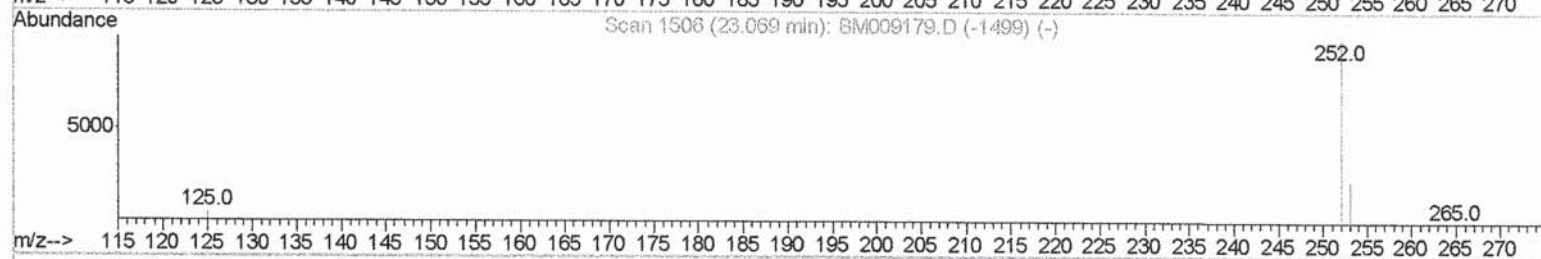
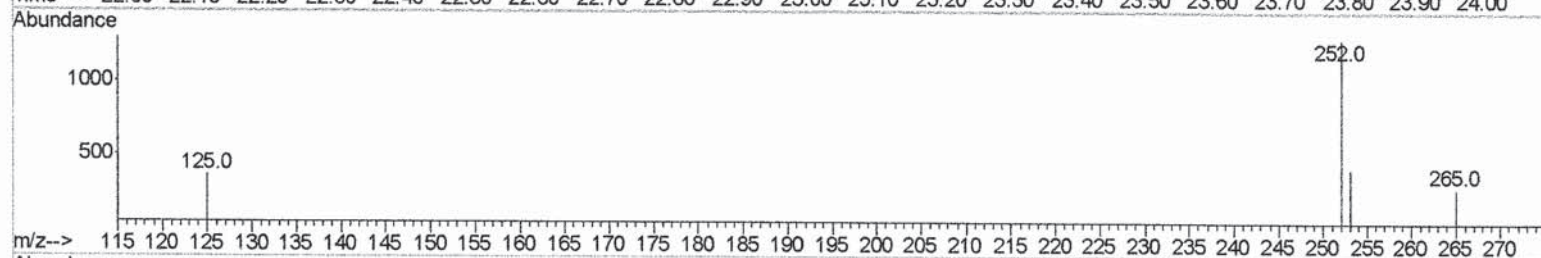
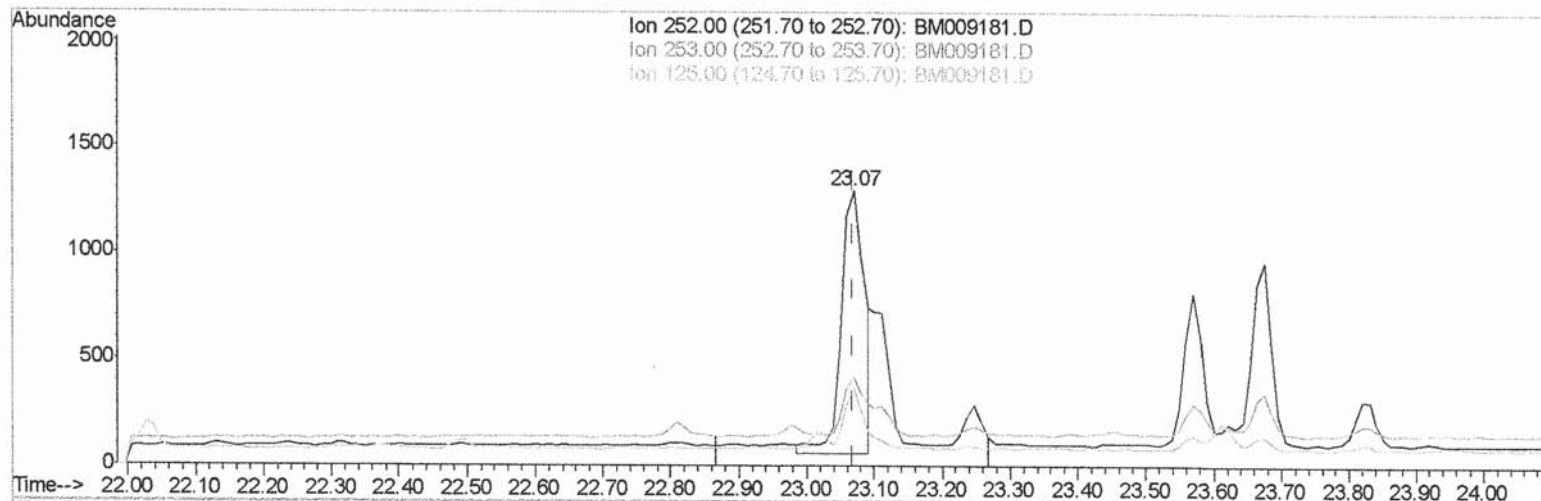
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\  
 Data File : BM009181.D  
 Acq On : 10 Mar 2017 18:46  
 Operator : SJ/MA  
 Sample : I2107-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA5

Manual Integrations  
 APPROVED

mohammad  
 3/13/2017 2:13:54 PM

Quant Time: Mar 11 00:59:19 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 11 00:54:34 2017  
 Response via : Initial Calibration



TIC: BM009181.D

(21) Benzo(b)fluoranthene

23.069min (-0.000) 0.65ng/ul m

response 2960

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 32.10 |
| 125.00 | 17.50 | 28.16 |
| 0.00   | 0.00  | 0.00  |

SJ  
 03/13/17

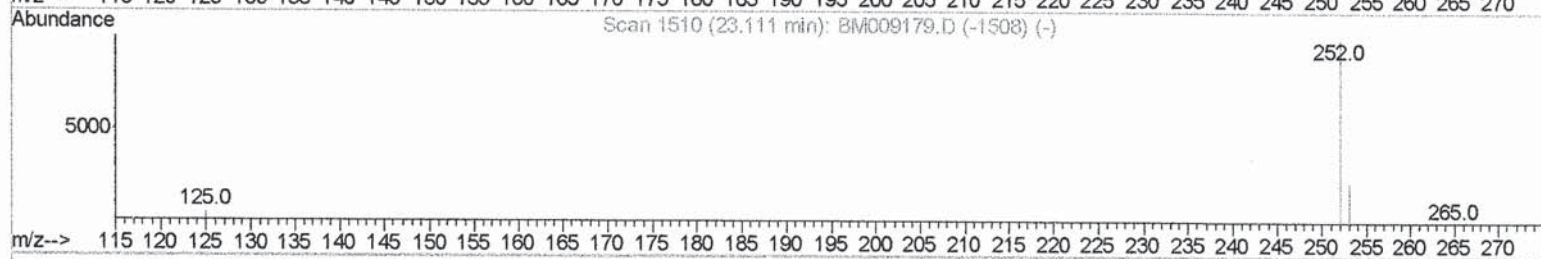
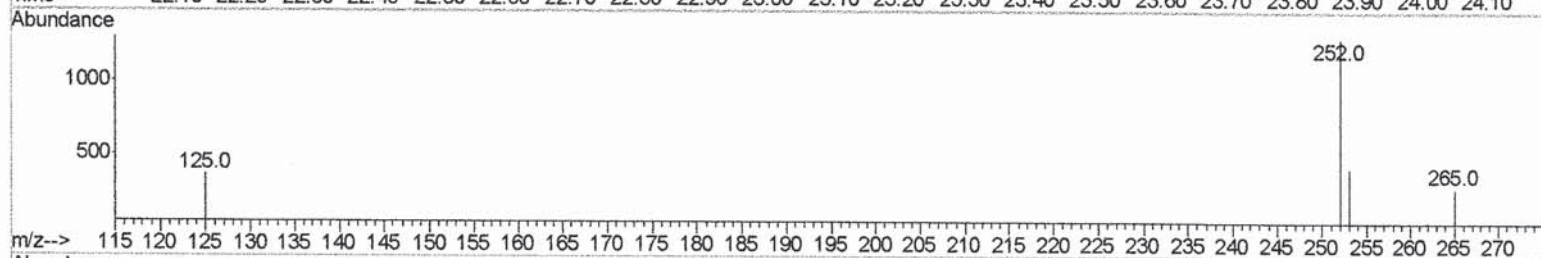
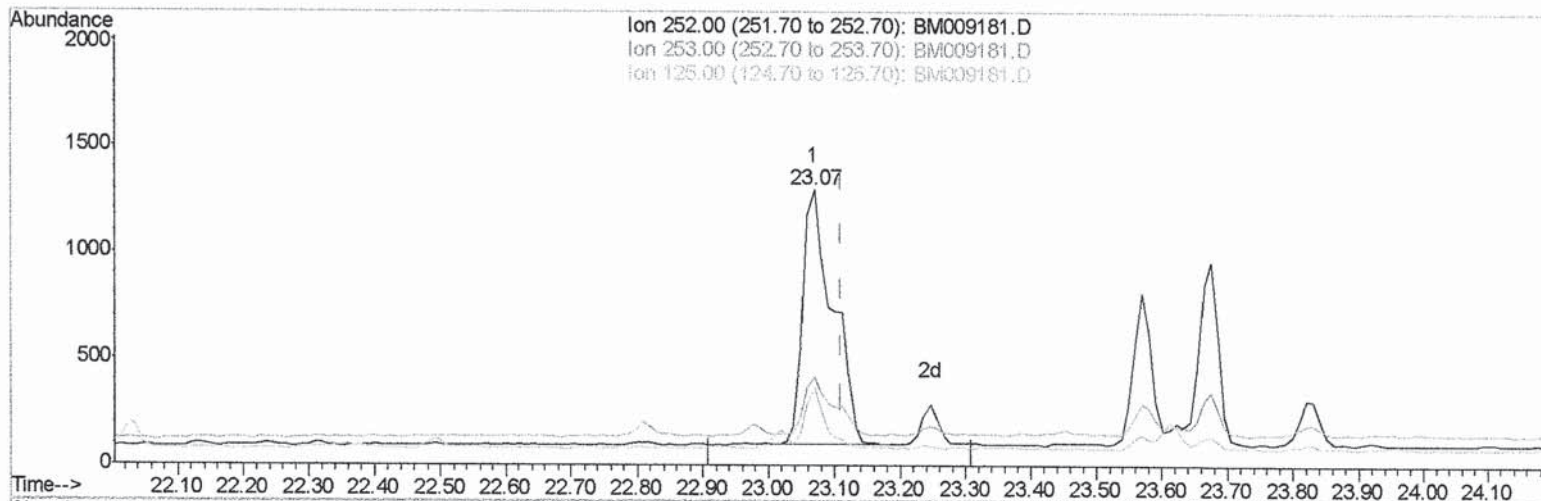
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\  
Data File : BM009181.D  
Acq On : 10 Mar 2017 18:46  
Operator : SJ/MA  
Sample : I2107-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5

Manual Integrations  
APPROVED

mohammad  
3/13/2017 2:13:54 PM

Quant Time: Mar 11 00:59:19 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M  
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QLast Update : Sat Mar 11 00:54:34 2017  
Response via : Initial Calibration



TIC: BM009181.D

(22) Benzo(k)fluoranthene

23.069min (-0.042) 0.94ng/ul

response 3772

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 32.10  |
| 125.00 | 17.10 | 28.16# |
| 0.00   | 0.00  | 0.00   |

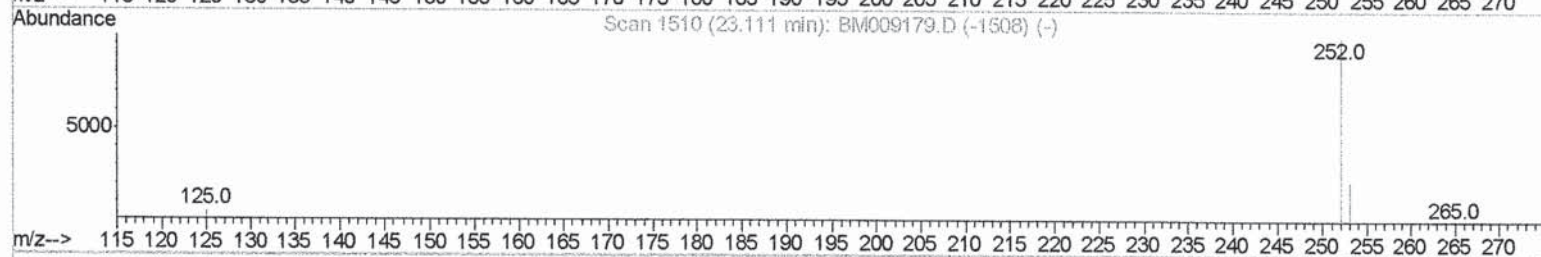
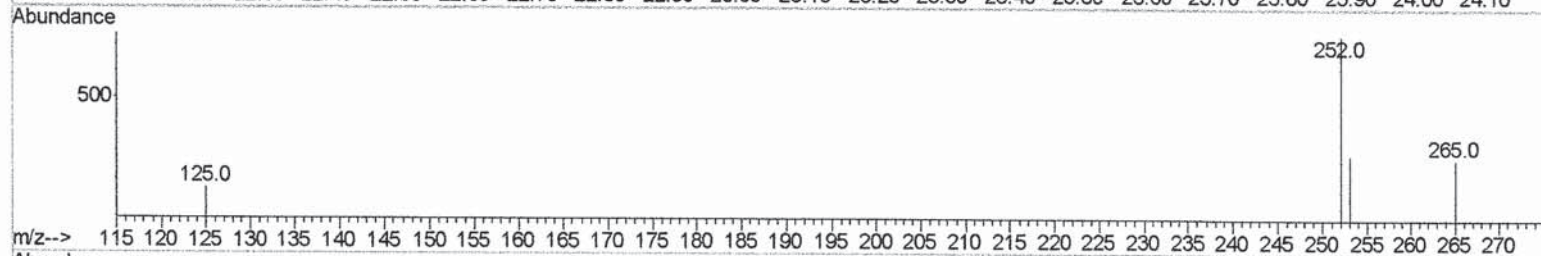
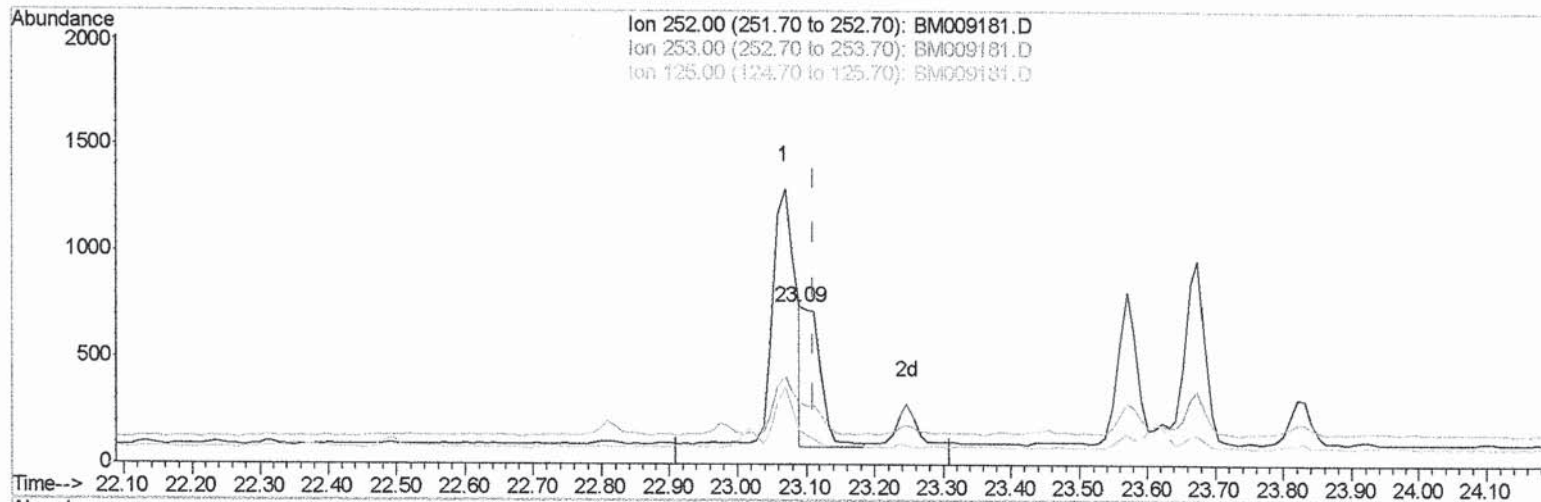
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\  
Data File : BM009181.D  
Acq On : 10 Mar 2017 18:46  
Operator : SJ/MA  
Sample : I2107-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5

Manual Integrations  
APPROVED

mohammad  
3/13/2017 2:13:54 PM

Quant Time: Mar 11 00:59:19 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



TIC: BM009181.D

(22) Benzo(k)fluoranthene

23.090min (-0.021) 0.29ng/ul m

response 1154

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 39.59# |
| 125.00 | 17.10 | 22.30# |
| 0.00   | 0.00  | 0.00   |

>  $\frac{53}{03/13/17}$

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\  
 Data File : BM009181.D  
 Acq On : 10 Mar 2017 18:46  
 Operator : SJ/MA  
 Sample : I2107-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA5

Manual Integrations  
 APPROVED

mohammad  
 3/13/2017 2:13:54 PM

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| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev (Min) |
|-----------------------------|-------|------|----------|------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.88  | 152  | 259      | 0.40 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 10.68 | 136  | 798      | 0.40 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 14.52 | 164  | 451      | 0.40 | ng/ul  | 0.00      |
| 10) Phenanthrene-d10        | 17.26 | 188  | 1085m    | 0.40 | ng/ul  | 0.00      |
| 16) Chrysene-d12            | 21.44 | 240  | 1109     | 0.40 | ng/ul  | 0.00      |
| 20) Perylene-d12            | 23.78 | 264  | 1155     | 0.40 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |      |        |           |
| 4) 2-Methylnaphthalene-d10  | 12.27 | 152  | 155      | 0.12 | ng/ul  | 0.00      |
| 14) Fluoranthene-d10        | 19.29 | 212  | 407      | 0.12 | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |      |        |           |
|                             |       |      |          |      | Ovalue |           |
| 3) Naphthalene              | 10.73 | 128  | 232      | 0.10 | ng/ul# | 52        |
| 5) 2-Methylnaphthalene      | 12.34 | 142  | 103      | 0.06 | ng/ul  | 98        |
| 12) Phenanthrene            | 17.30 | 178  | 701      | 0.21 | ng/ul# | 83        |
| 15) Fluoranthene            | 19.32 | 202  | 2269     | 0.51 | ng/ul  | 99        |
| 17) Pyrene                  | 19.68 | 202  | 2242     | 0.59 | ng/ul  | 96        |
| 18) Benzo(a)anthracene      | 21.42 | 228  | 1510     | 0.41 | ng/ul  | 95        |
| 19) Chrysene                | 21.47 | 228  | 1493     | 0.43 | ng/ul  | 92        |
| 21) Benzo(b)fluoranthene    | 23.07 | 252  | 2960m    | 0.65 | ng/ul  |           |
| 22) Benzo(k)fluoranthene    | 23.09 | 252  | 1154m    | 0.29 | ng/ul  |           |
| 23) Benzo(a)pyrene          | 23.67 | 252  | 1823     | 0.45 | ng/ul# | 93        |
| 24) Indeno(1,2,3-cd)pyrene  | 26.15 | 276  | 1474     | 0.28 | ng/ul# | 90        |
| 26) Benzo(a,h,i)perylene    | 26.89 | 276  | 1350     | 0.30 | ng/ul# | 91        |

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