

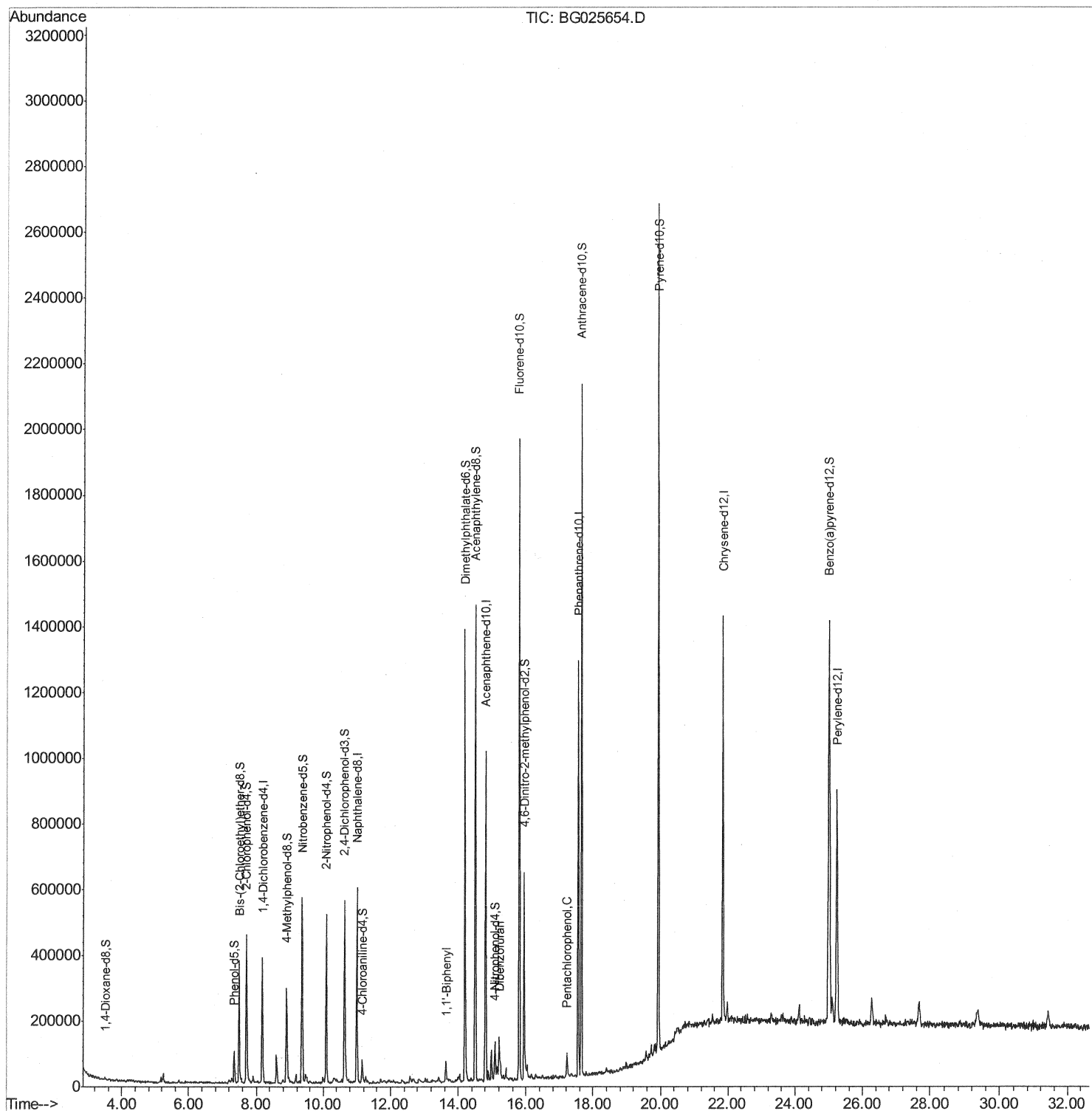
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
Data File : BG025654.D  
Acq On : 26 Jan 2017 4:51  
Operator : SJ/MA  
Sample : I1387-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DA9Q9

Manual Integrations  
APPROVED

mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:27:53 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



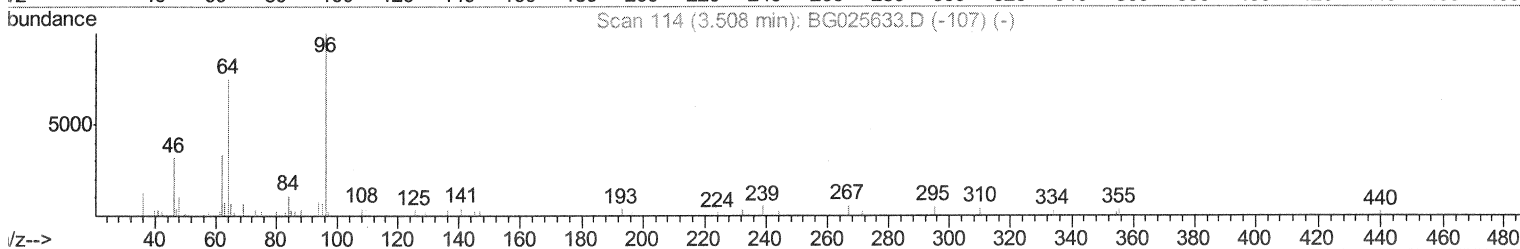
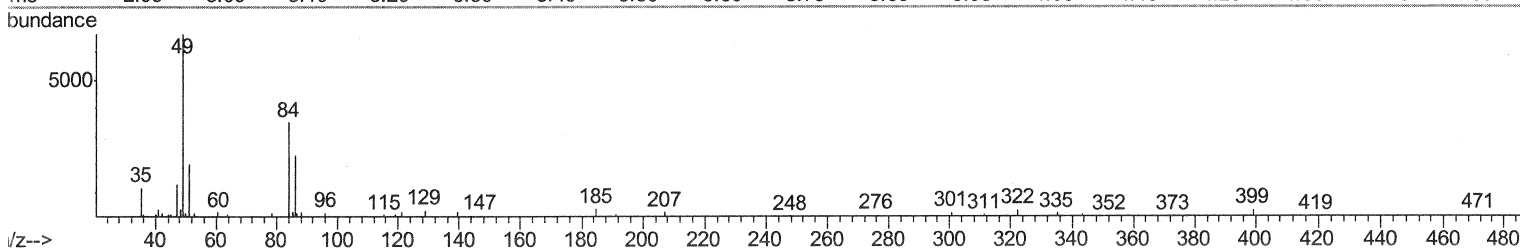
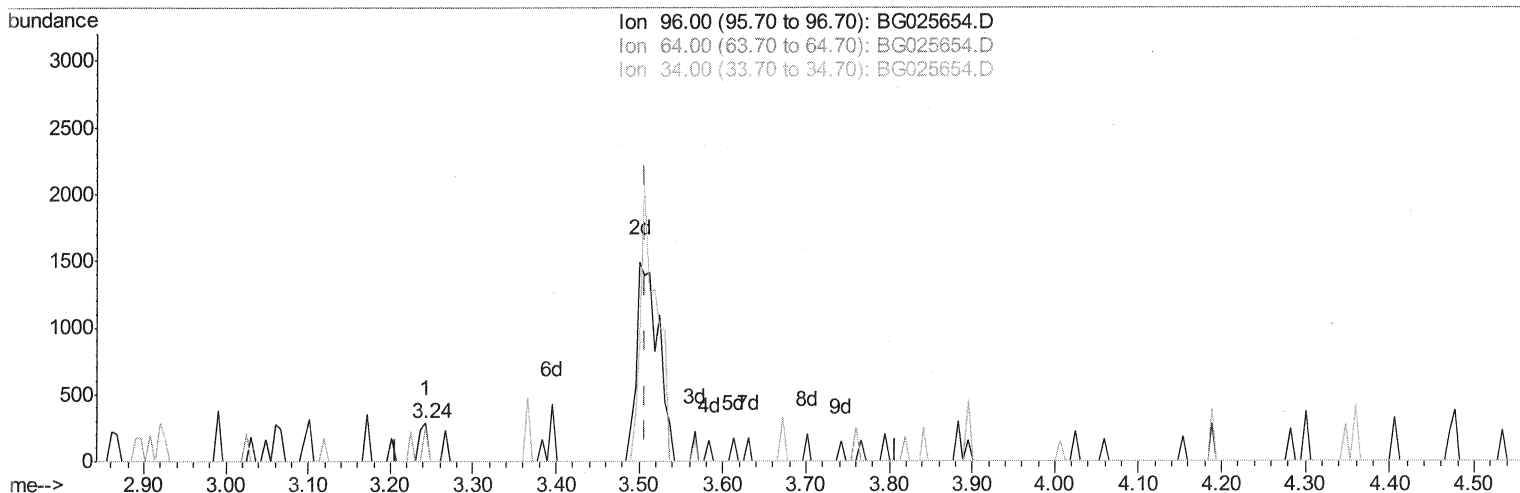
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
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Operator : SJ/MA  
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Instrument :  
BNA\_G  
ClientSampled :  
DA9Q9

Manual Integrations  
APPROVED

mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:25:45 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



TIC: BG025654.D

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

3.243min (-0.265) 0.09ng/uL

response 184

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 88.90 | 88.58 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

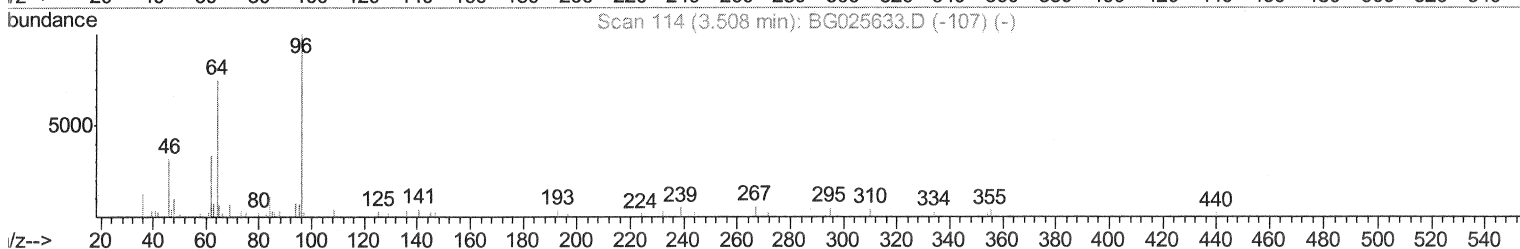
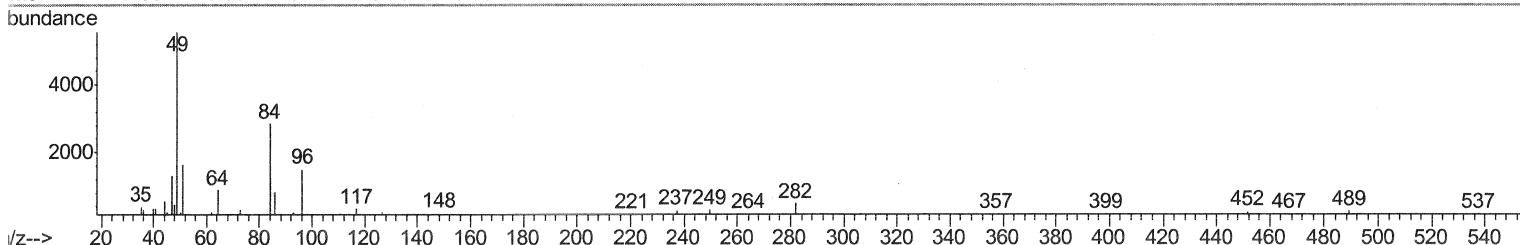
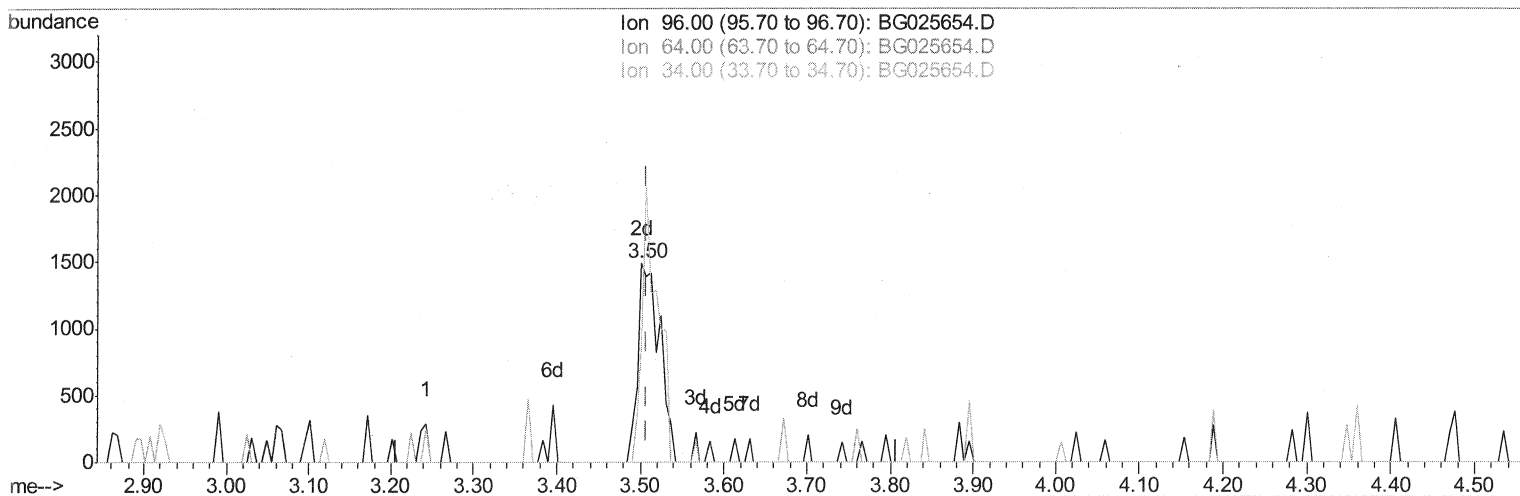
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
Data File : BG025654.D  
Acq On : 26 Jan 2017 4:51  
Operator : SJ/MA  
Sample : I1387-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DA9Q9

Manual Integrations  
APPROVED

mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:25:45 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



TIC: BG025654.D

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

3.501min (-0.007) 1.37ng/uL m SJ 1/27/17

response 2741

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 88.90 | 59.36# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

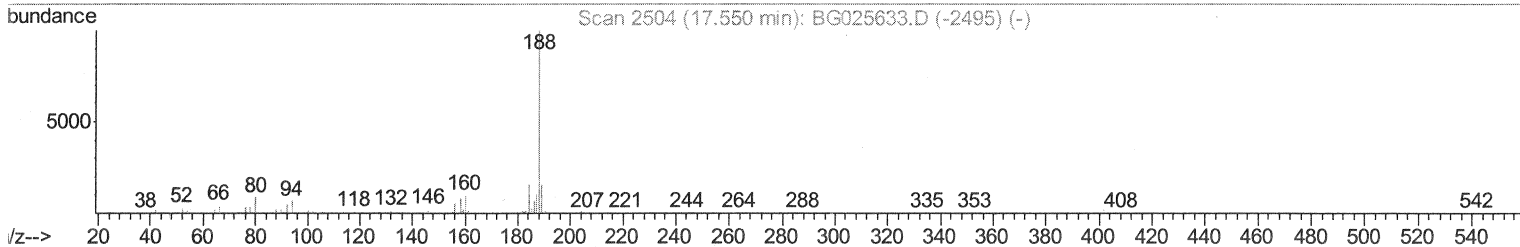
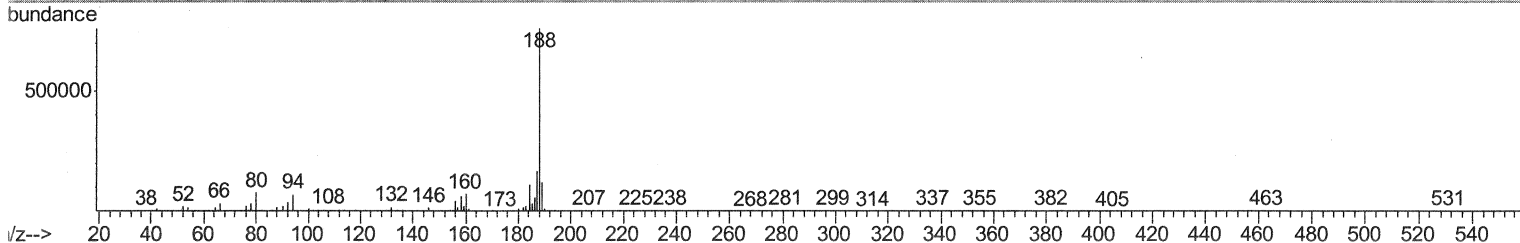
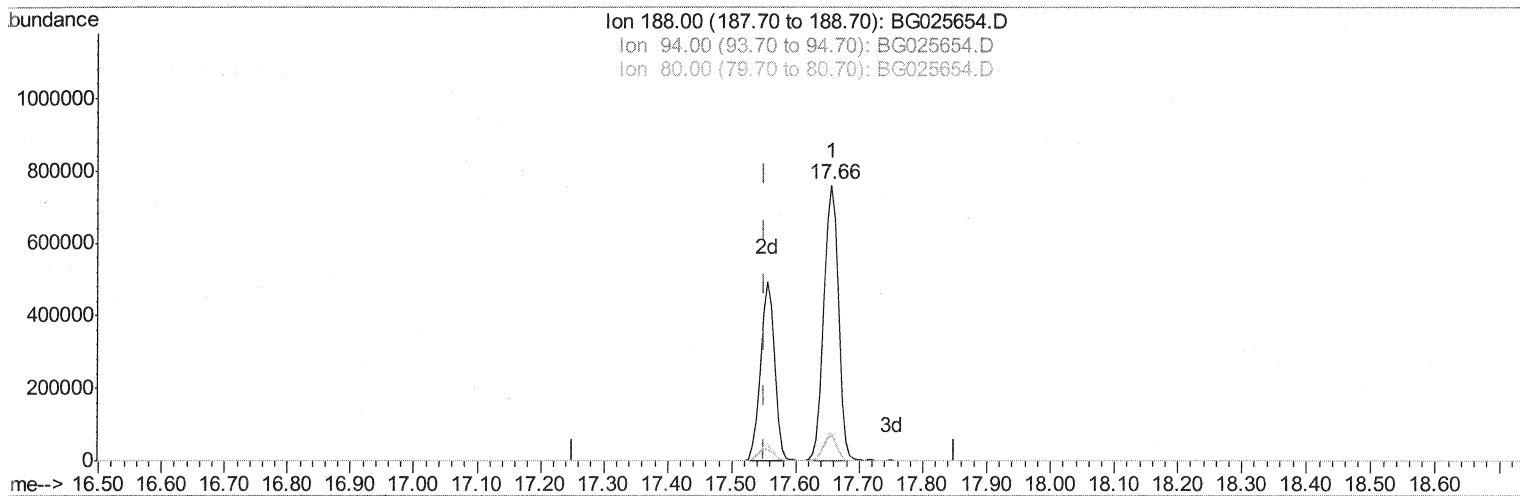
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
Data File : BG025654.D  
Acq On : 26 Jan 2017 4:51  
Operator : SJ/MA  
Sample : I1387-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DA9Q9

Manual Integrations  
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mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:25:45 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
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QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



TIC: BG025654.D

(61) Phenanthrene-d10 (I)

17.655min (+0.105) 20.00ng/ul

response 1226495

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 9.09  |
| 80.00  | 9.50 | 10.27 |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

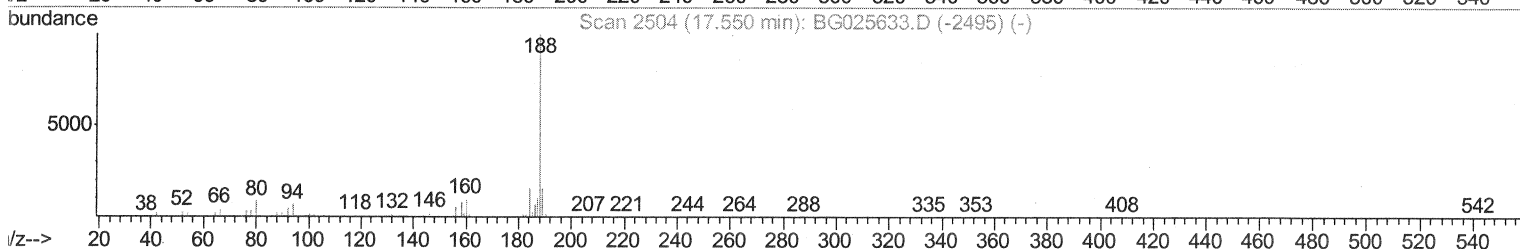
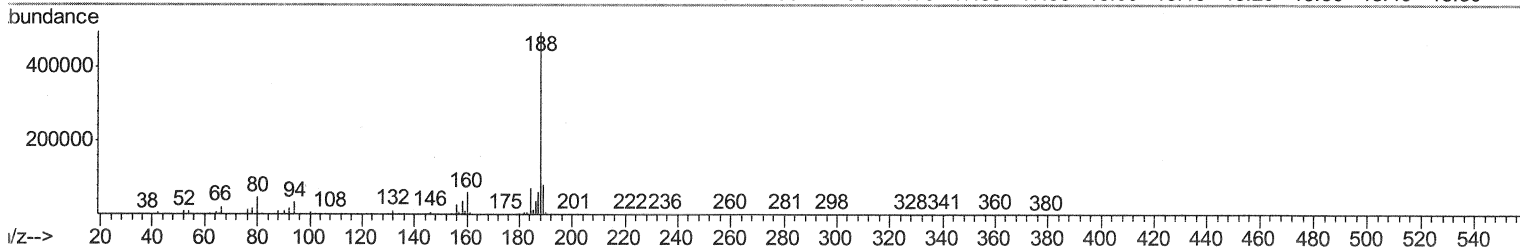
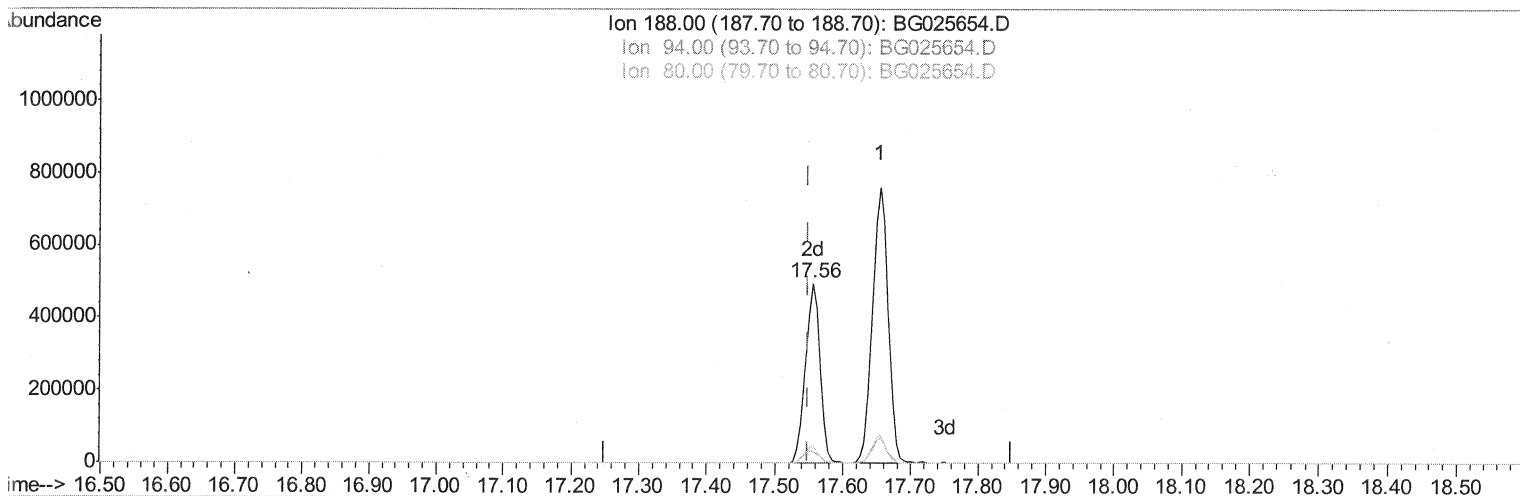
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
 Data File : BG025654.D  
 Acq On : 26 Jan 2017 4:51  
 Operator : SJ/MA  
 Sample : I1387-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA9Q9

Manual Integrations  
 APPROVED

mohammad  
 1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:25:45 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 18:08:33 2017  
 Response via : Initial Calibration



TIC: BG025654.D

(61) Phenanthrene-d10 (I)

17.555min (+0.005) 20.00ng/ul m

SJ 1/27/17

response 751465

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 6.58# |
| 80.00  | 9.50 | 9.56  |
| 0.00   | 0.00 | 0.00  |

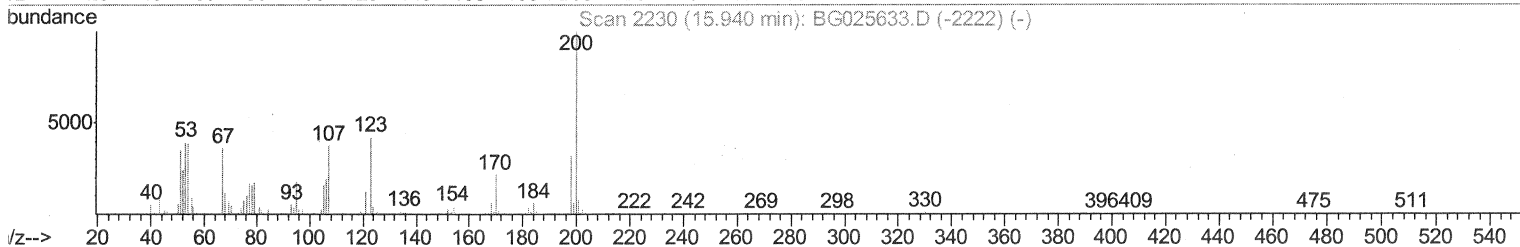
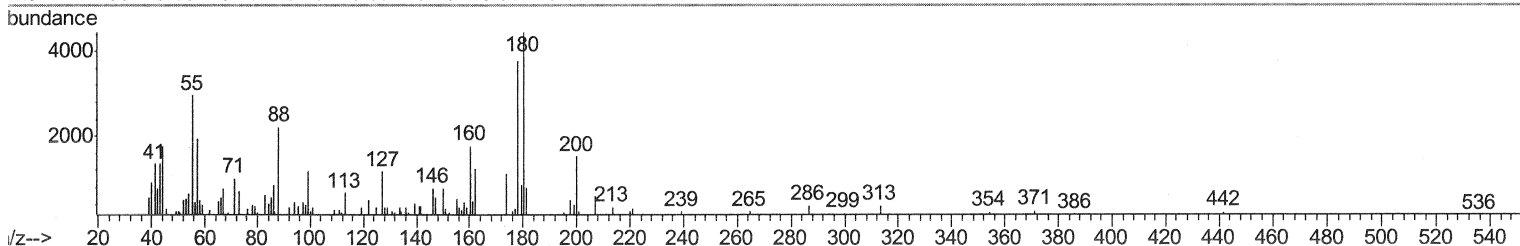
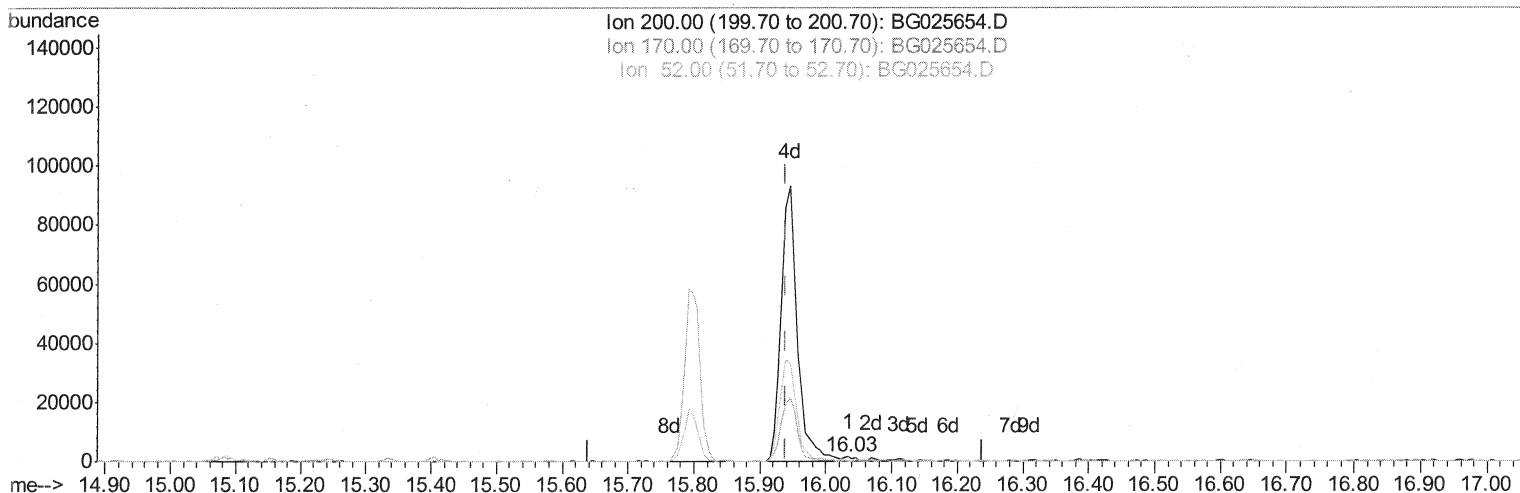
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
Data File : BG025654.D  
Acq On : 26 Jan 2017 4:51  
Operator : SJ/MA  
Sample : I1387-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DA9Q9

Manual Integrations  
APPROVED

mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:27:18 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



TIC: BG025654.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.034min (+0.093) 0.43ng/ul

response 1994

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 0.00#  |
| 52.00  | 47.20 | 32.57# |
| 0.00   | 0.00  | 0.00   |



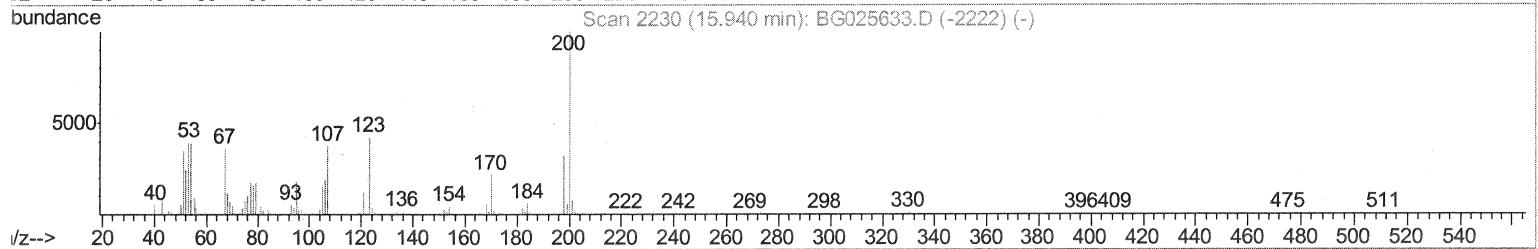
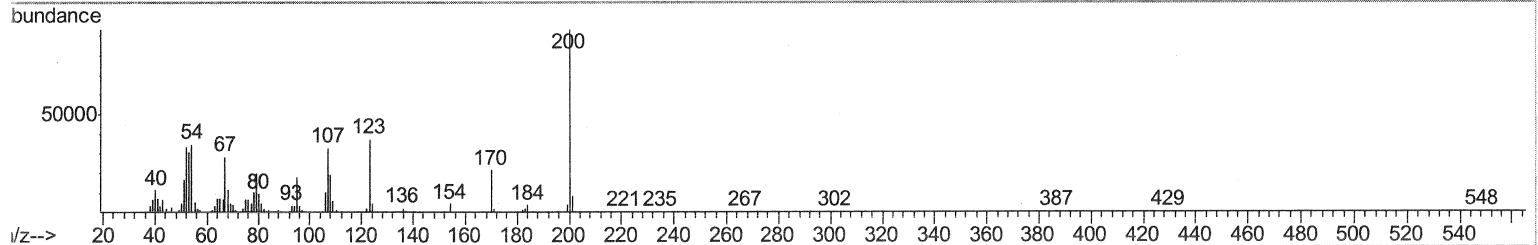
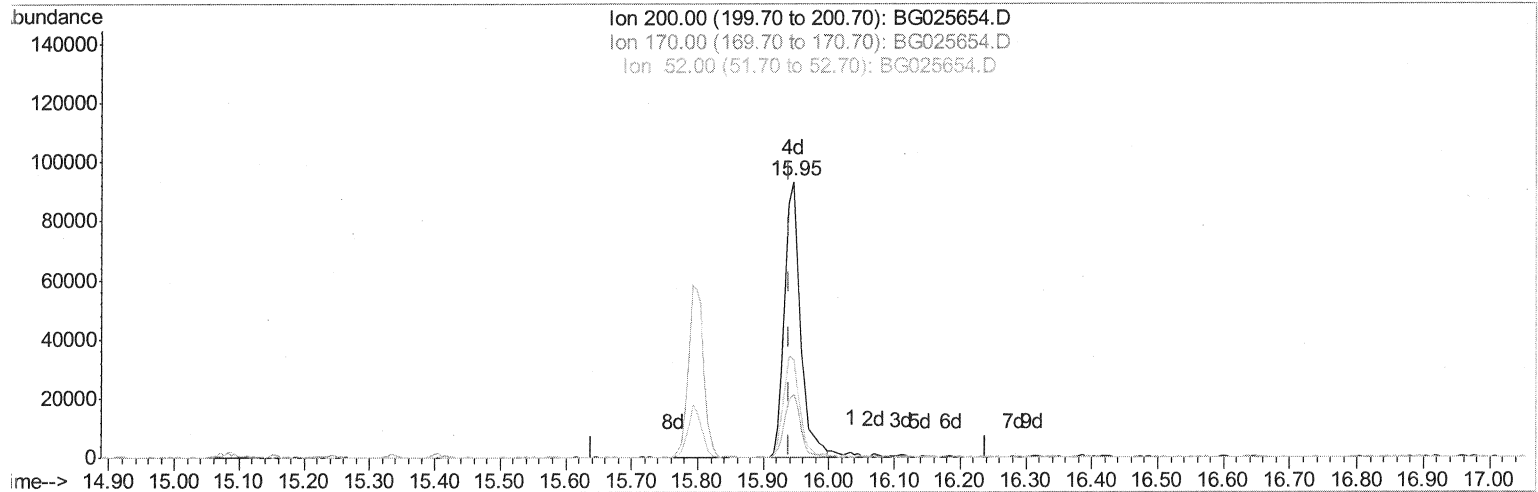
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
Data File : BG025654.D  
Acq On : 26 Jan 2017 4:51  
Operator : SJ/MA  
Sample : I1387-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DA9Q9

Manual Integrations  
APPROVED

mohammad  
1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:27:18 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 18:08:33 2017  
Response via : Initial Calibration



TIC: BG025654.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.945min (+0.005) 32.96ng/ul m

SJ 1/26/17

response 152765

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 23.30  |
| 52.00  | 47.20 | 35.57# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
 Data File : BG025654.D  
 Acq On : 26 Jan 2017 4:51  
 Operator : SJ/MA  
 Sample : I1387-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DA9Q9

Manual Integrations  
 APPROVED

mohammad  
 1/26/2017 5:11:55 PM

Quant Time: Jan 26 10:27:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 18:08:33 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 100191   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 440608   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 346803   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 751465m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 842400   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.24 | 264  | 862738   | 20.00 | ng/ul | 0.01     |

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## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 2741m   | 1.37  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.34  | 99  | 56972   | 6.63  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 200836  | 36.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 165464  | 27.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 117217  | 16.06 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 115349  | 36.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 135355  | 36.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.63 | 165 | 227311  | 30.92 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 35466   | 4.32  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 869921  | 35.52 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 1019710 | 38.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.07 | 143 | 15536   | 4.63  | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.80 | 176 | 792574  | 34.33 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 152765m | 32.96 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.66 | 188 | 1226495 | 38.33 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1359733 | 38.79 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.01 | 264 | 1371780 | 37.83 | ng/ul | 0.01 |

SJ 1/27/17

SJ 1/27/17

## Target Compounds

|                       |       |     |       |      |        | Qvalue |
|-----------------------|-------|-----|-------|------|--------|--------|
| 40) 1,1'-Biphenyl     | 13.64 | 154 | 32103 | 1.49 | ng/ul# | 94     |
| 53) Dibenzofuran      | 15.21 | 168 | 52828 | 1.87 | ng/ul# | 85     |
| 68) Pentachlorophenol | 17.22 | 266 | 11458 | 2.78 | ng/ul  | 97     |

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