

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
 Data File : BG025615.D  
 Acq On : 24 Jan 2017 19:51  
 Operator : UM/SJ  
 Sample : I1316-21  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDP33

Manual Integrations  
 APPROVED

mohammad  
 1/25/2017 3:47:36 PM

Quant Time: Jan 25 02:27:57 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 00:45:14 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 87239    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.01 | 136  | 400449   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 360685   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 818461   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 1007314  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 1061793  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 7586    | 4.35  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 157130  | 21.02 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 121988  | 25.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 115283  | 21.86 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 122490  | 19.27 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 64255   | 22.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 77094   | 22.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.64 | 165 | 140776  | 21.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 154549  | 20.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 600148  | 23.56 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 668636  | 24.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 83198m  | 23.84 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.80 | 176 | 547133  | 22.79 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.94 | 200 | 106166  | 21.03 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 857383  | 24.60 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1069308 | 25.51 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 1075992 | 24.11 | ng/ul | 0.00 |

## Target Compounds

|                       |       |     |        |      | Ovalue |    |
|-----------------------|-------|-----|--------|------|--------|----|
| 6) Phenol             | 7.37  | 94  | 26835  | 3.42 | ng/ul# | 88 |
| 44) Dimethylphthalate | 14.25 | 163 | 140139 | 5.60 | ng/ul  | 96 |
| 74) Fluoranthene      | 19.60 | 202 | 73786  | 1.57 | ng/ul  | 98 |
| 77) Pyrene            | 19.96 | 202 | 64649  | 1.31 | ng/ul# | 96 |

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

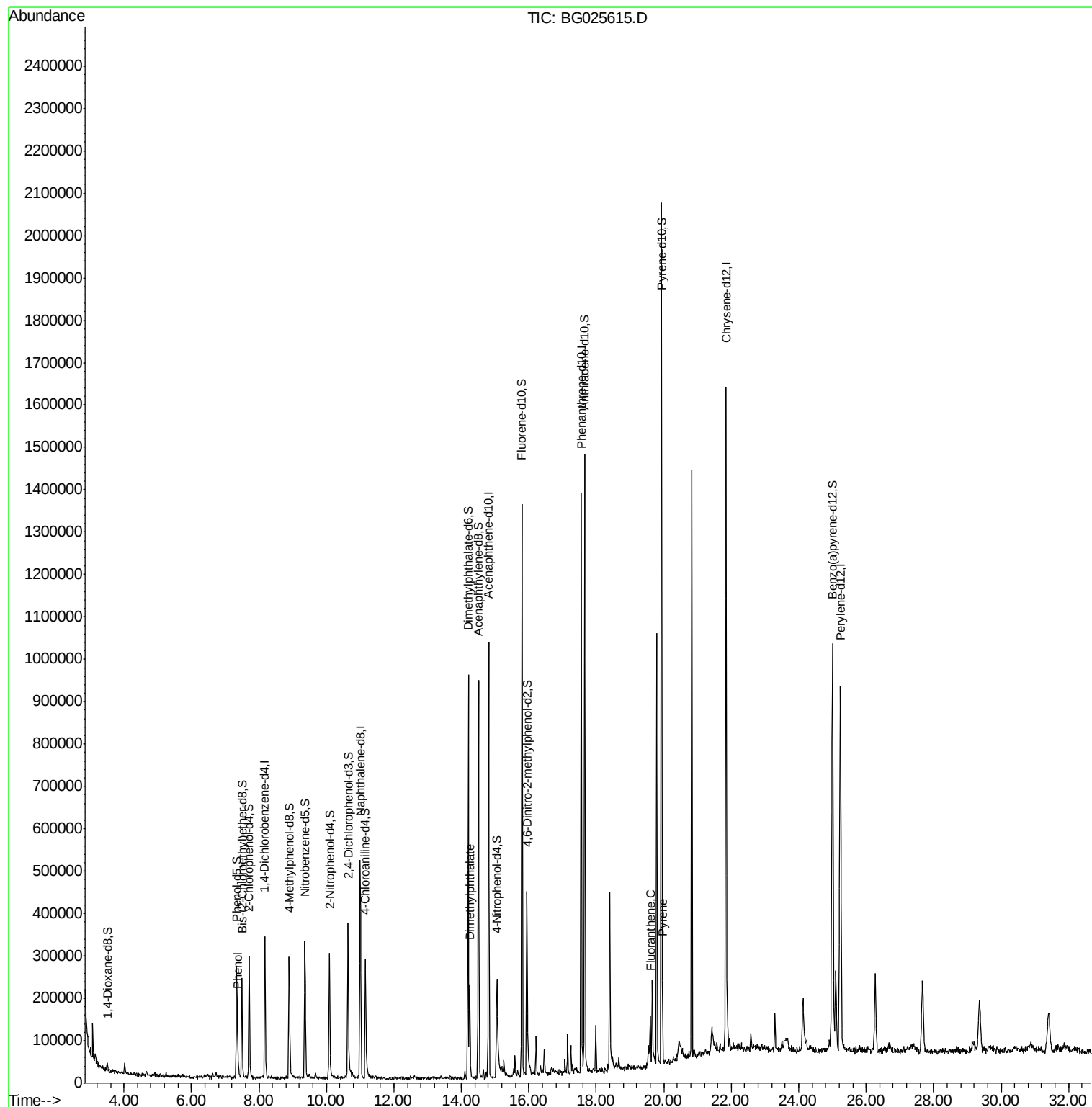
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
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ALS Vial : 16 Sample Multiplier: 1

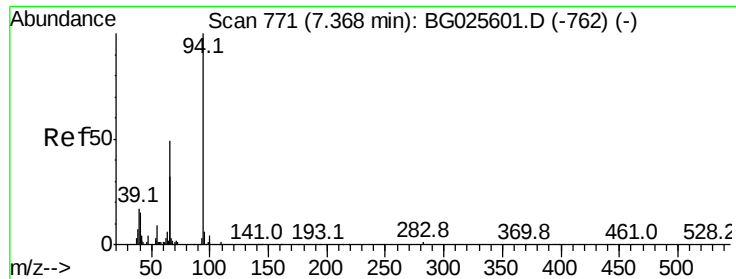
Instrument :  
BNA\_G  
ClientSampleId :  
BDP33

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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration





#6

Phenol

Concen: 3.42 ng/ul

RT: 7.37 min Scan# 771

Delta R.T. 0.00 min

Lab File: BG025615.D

Acq: 24 Jan 2017 19:51

Instrument :

BNA\_G

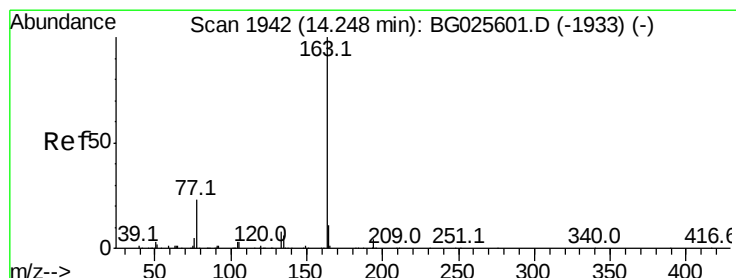
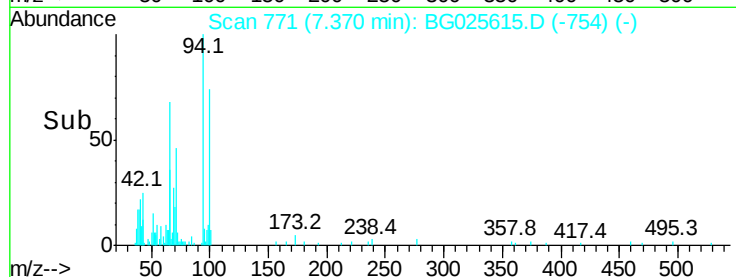
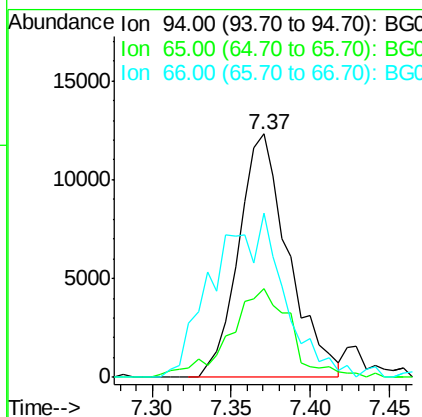
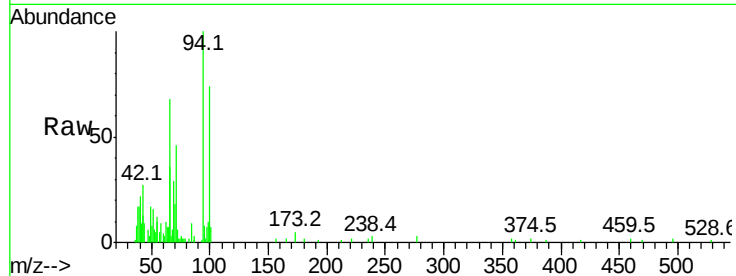
ClientSampleId :

BDP33

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 36.2  | 26.8  | 40.2  |
| 66      | 67.7  | 44.4  | 66.6# |

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#44

Dimethylphthalate

Concen: 5.60 ng/ul

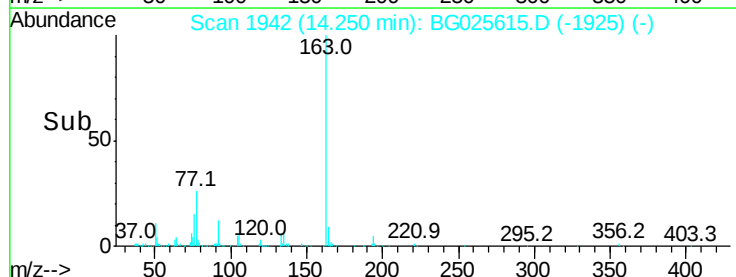
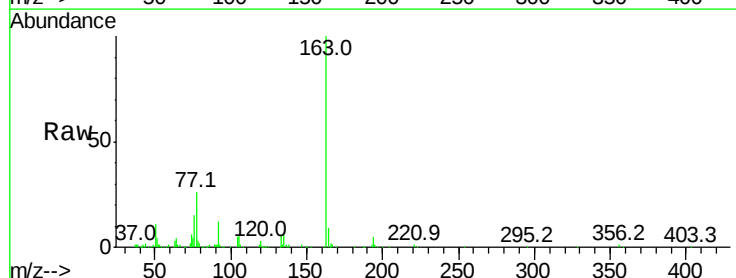
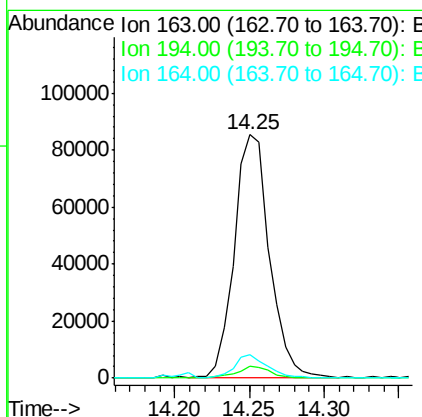
RT: 14.25 min Scan# 1942

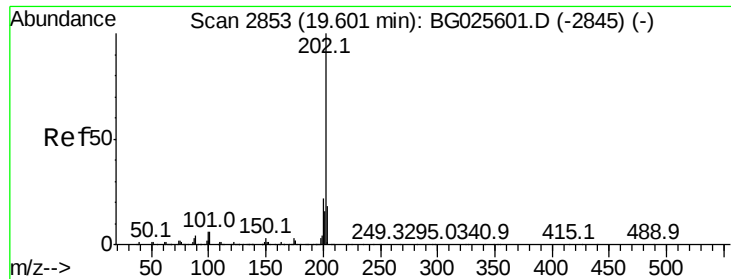
Delta R.T. 0.00 min

Lab File: BG025615.D

Acq: 24 Jan 2017 19:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.0   | 3.4   | 5.0   |
| 164     | 9.5   | 9.0   | 13.4  |





#74

Fluoranthene

Concen: 1.57 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG025615.D

Acq: 24 Jan 2017 19:51

Instrument :

BNA\_G

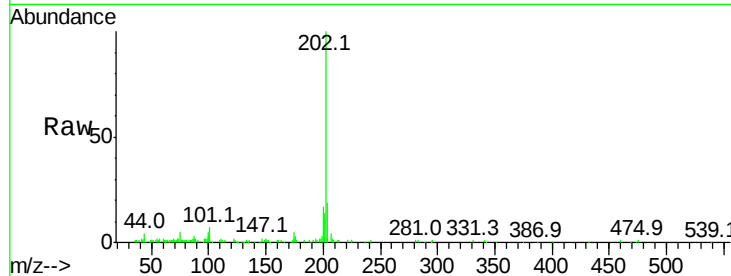
ClientSampleId :

BDP33

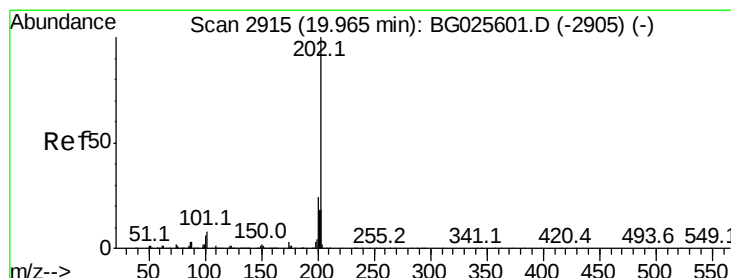
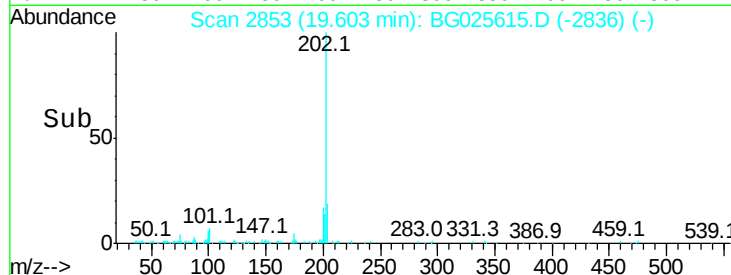
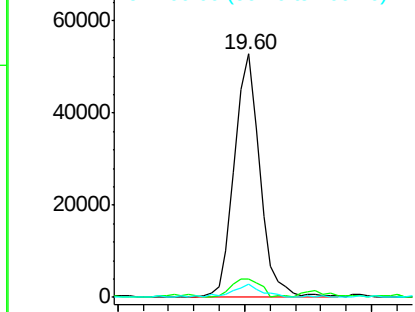
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 73786 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.4   | 6.2   | 9.2   |
| 100       | 5.5   | 5.2   | 7.8   |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 1.31 ng/ul

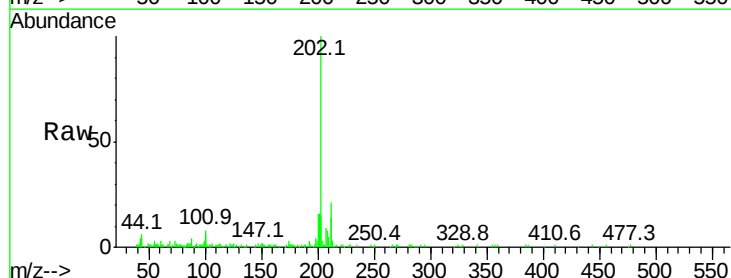
RT: 19.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: BG025615.D

Acq: 24 Jan 2017 19:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 64649 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.7   | 6.9   | 10.3  |
| 100       | 6.1   | 6.6   | 10.0# |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

