

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
 Data File : BG025618.D  
 Acq On : 24 Jan 2017 21:49  
 Operator : UM/SJ  
 Sample : I1316-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDNZ7

Manual Integrations  
 APPROVED

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 1/25/2017 3:47:47 PM

Quant Time: Jan 25 02:46:29 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 02:29:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 78095    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 375541   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 343820   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 780569   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 945648   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 983538   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 5628    | 3.61  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 7.34  | 99  | 152584  | 22.80 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 111802  | 25.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 112532  | 23.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.90  | 113 | 127779  | 22.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 70427   | 26.46 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 75645   | 23.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.63 | 165 | 138688  | 22.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 159011  | 22.70 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 591235  | 24.35 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 645720  | 24.62 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 79859m  | 24.00 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.80 | 176 | 529490  | 23.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.94 | 200 | 106048  | 22.03 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.66 | 188 | 836395  | 25.17 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1043926 | 26.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 1098592 | 26.58 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |         |      |        | Ovalue |
|--------------------------|-------|-----|---------|------|--------|--------|
| 6) Phenol                | 7.36  | 94  | 26739   | 3.80 | ng/ul# | 82     |
| 44) Dimethylphthalate    | 14.25 | 163 | 144288  | 6.04 | ng/ul# | 97     |
| 69) Phenanthrene         | 17.60 | 178 | 65994   | 1.74 | ng/ul  | 99     |
| 74) Fluoranthene         | 19.60 | 202 | 171156  | 3.82 | ng/ul# | 96     |
| 77) Pyrene               | 19.96 | 202 | 142384  | 3.06 | ng/ul# | 97     |
| 80) Benzo(a)anthracene   | 21.83 | 228 | 115456  | 2.31 | ng/ul# | 91     |
| 82) Chrysene             | 21.89 | 228 | 84106   | 1.79 | ng/ul# | 95     |
| 85) Benzo(b)fluoranthene | 24.16 | 252 | 108432m | 2.13 | ng/ul  |        |
| 88) Benzo(a)pyrene       | 25.07 | 252 | 74224   | 1.54 | ng/ul# | 96     |

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

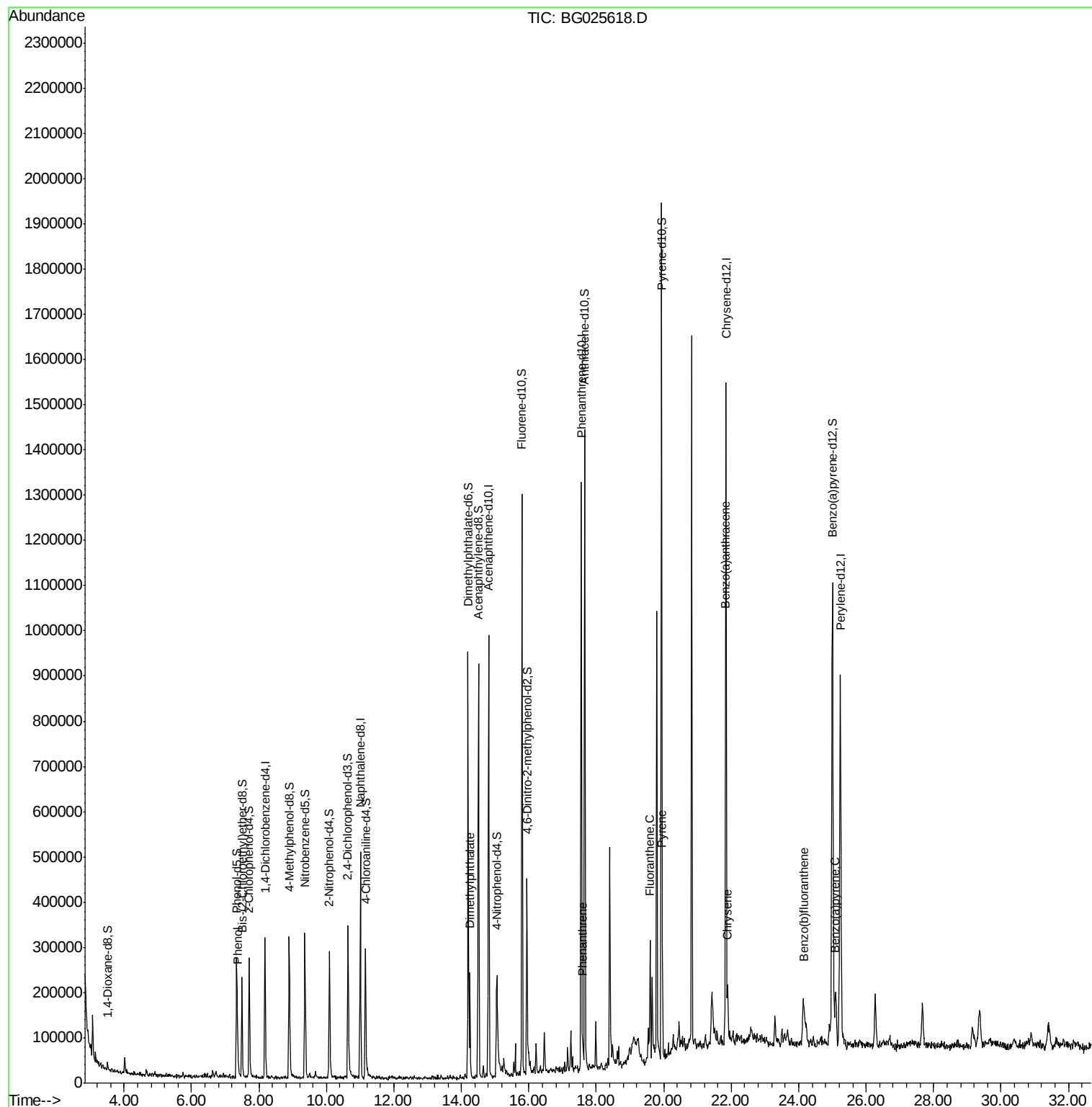
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\  
Data File : BG025618.D  
Acq On : 24 Jan 2017 21:49  
Operator : UM/SJ  
Sample : I1316-17  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

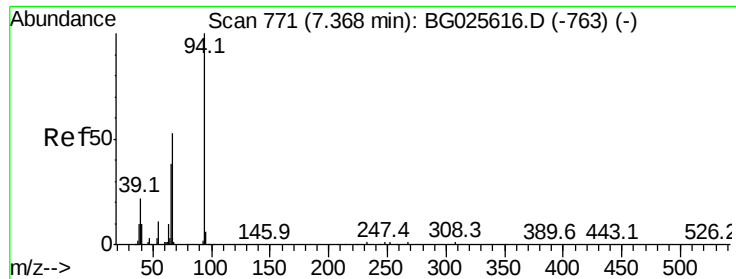
Instrument :  
BNA\_G  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 02:29:56 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 3.80 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

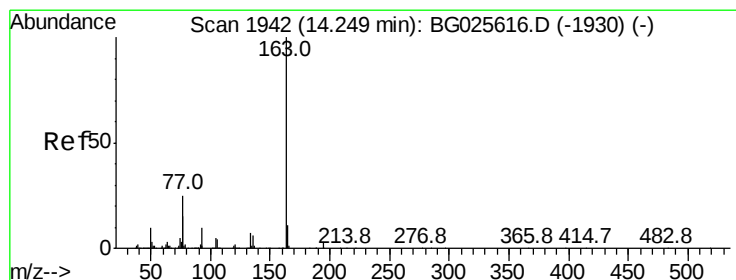
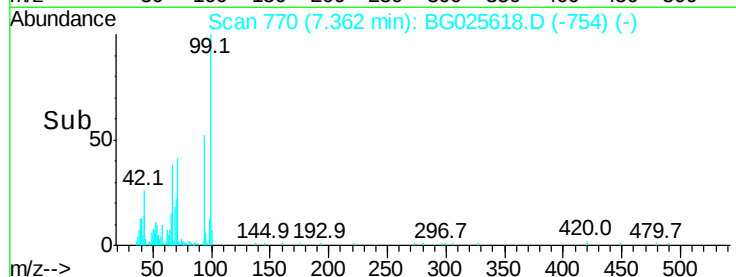
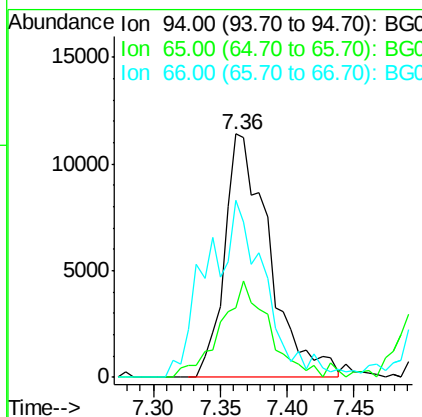
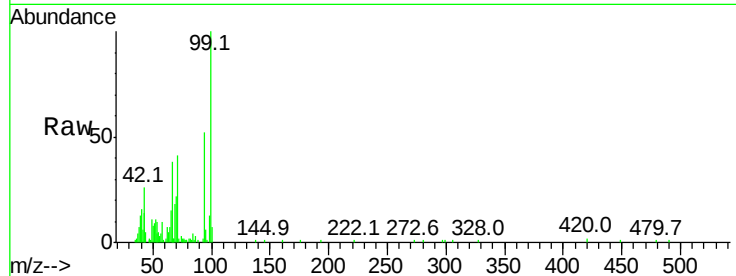
ClientSampleId :

BDNZ7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 28.4  | 26.8  | 40.2  |
| 66      | 72.7  | 44.4  | 66.6# |

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#44

Dimethylphthalate

Concen: 6.04 ng/ul

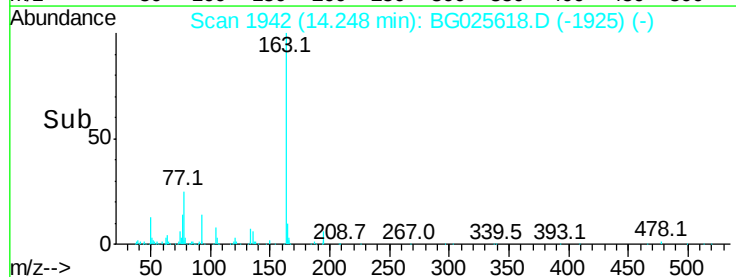
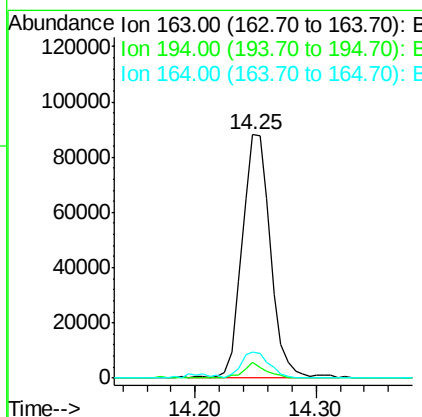
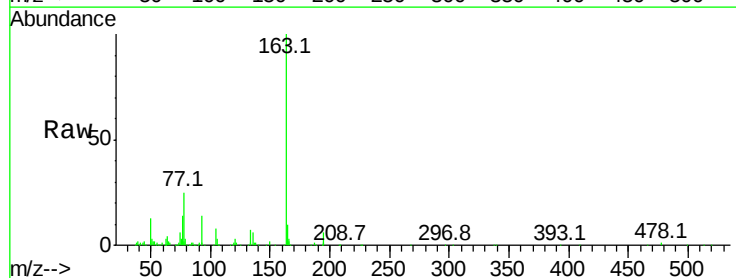
RT: 14.25 min Scan# 1942

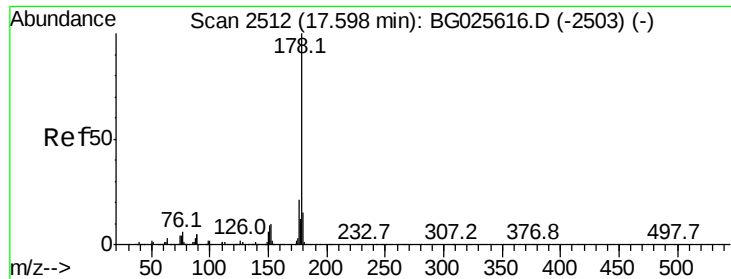
Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 6.5   | 3.4   | 5.0#  |
| 164     | 10.4  | 9.0   | 13.4  |





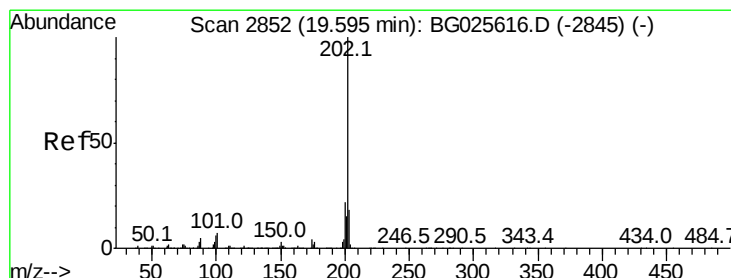
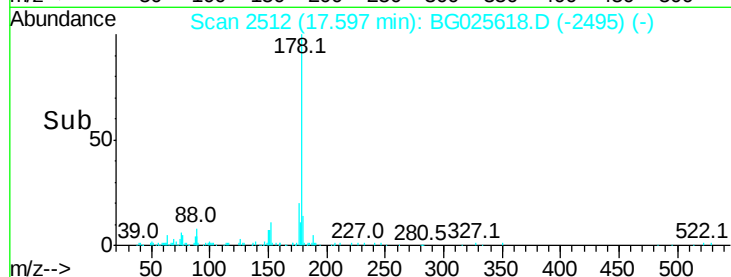
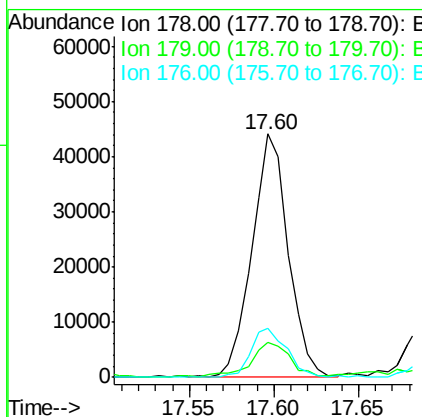
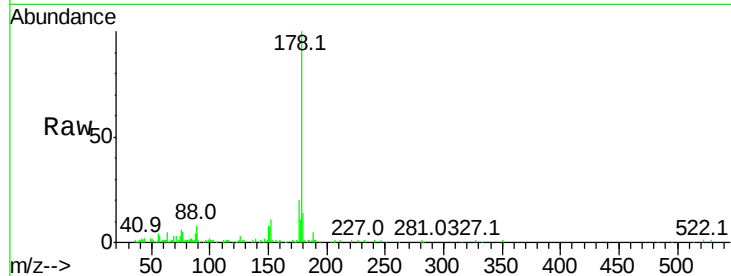
#69  
Phenanthrene  
Concen: 1.74 ng/ul  
RT: 17.60 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: BG025618.D  
Acq: 24 Jan 2017 21:49

Instrument :  
BNA\_G  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.4  | 12.4  | 18.6  |
| 176     | 20.4  | 16.5  | 24.7  |

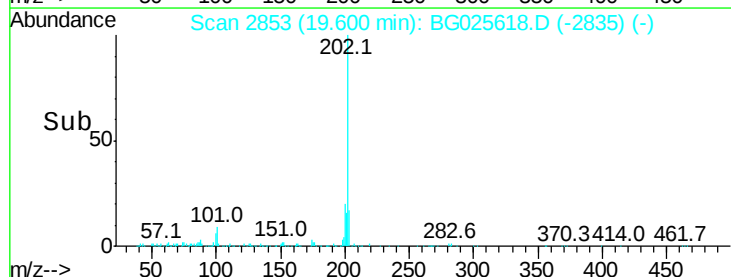
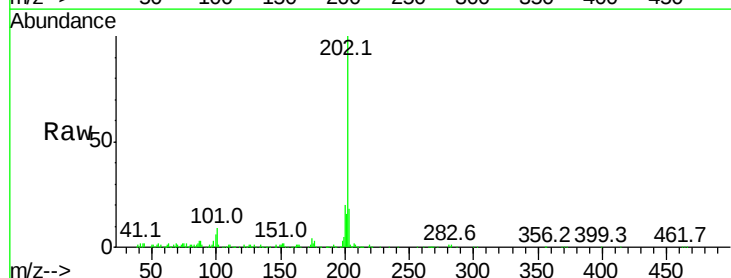
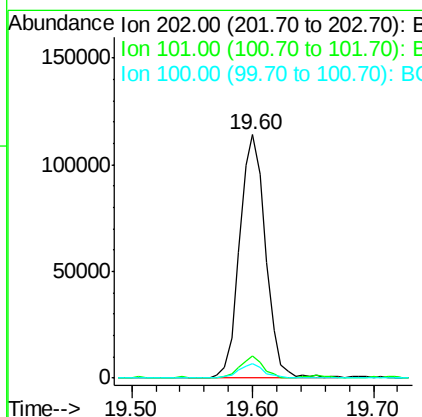
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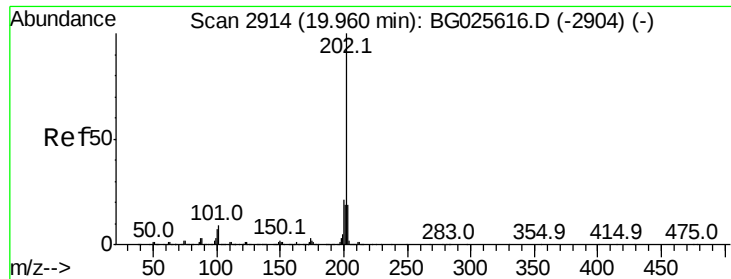
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#74  
Fluoranthene  
Concen: 3.82 ng/ul  
RT: 19.60 min Scan# 2853  
Delta R.T. 0.00 min  
Lab File: BG025618.D  
Acq: 24 Jan 2017 21:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.3  | 6.2   | 9.2#  |
| 100     | 6.2   | 5.2   | 7.8   |





#77

Pvrene

Concen: 3.06 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

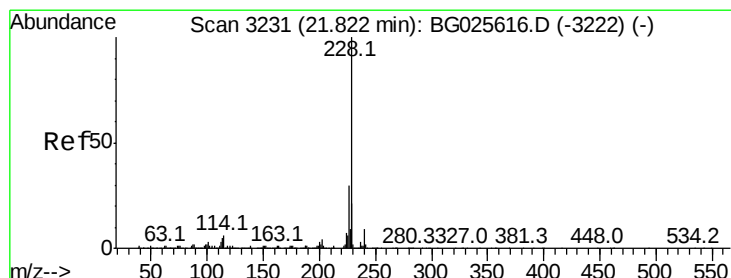
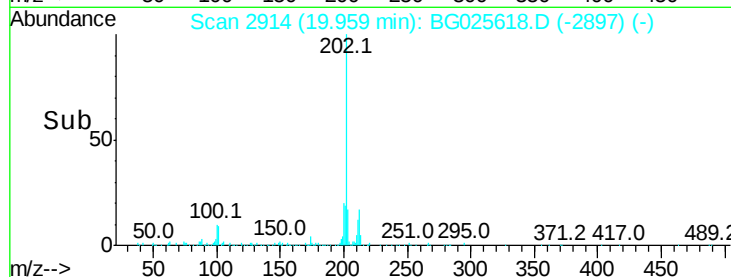
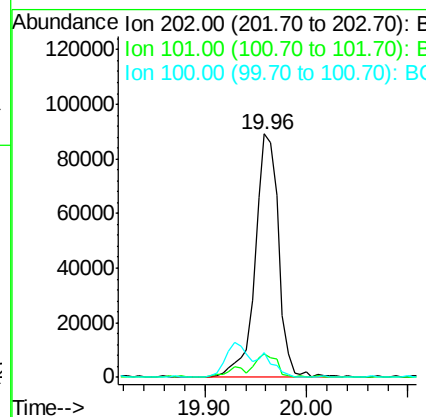
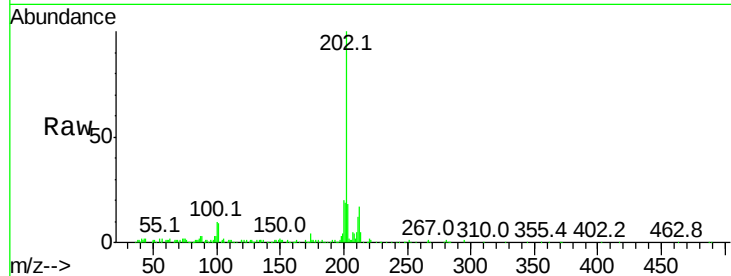
ClientSampleId :

BDNZ7

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 9.4   | 6.9        | 10.3  |
| 100     | 10.0  | 6.6        | 10.0# |

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#80

Benzo(a)anthracene

Concen: 2.31 ng/ul

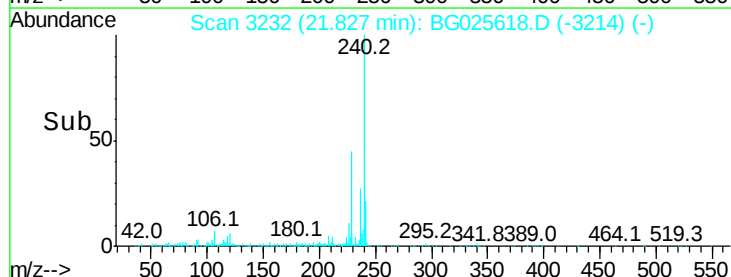
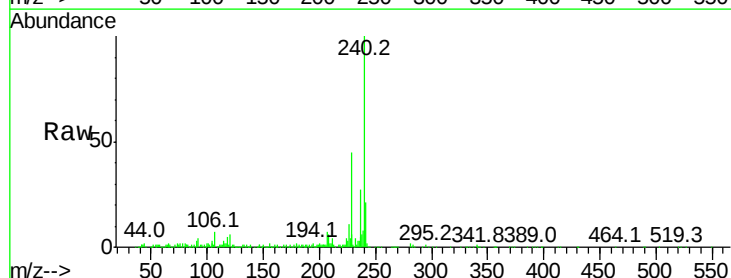
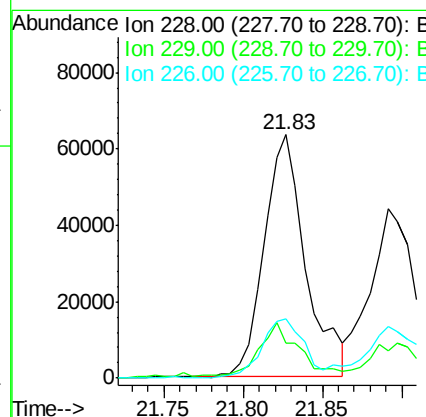
RT: 21.83 min Scan# 3232

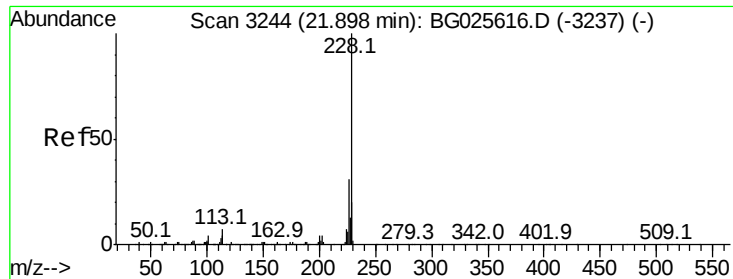
Delta R.T. 0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 14.3  | 16.3       | 24.5# |
| 226     | 24.2  | 21.9       | 32.9  |





#82

Chrysene

Concen: 1.79 ng/ul

RT: 21.89 min Scan# 3243

Delta R.T. -0.01 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

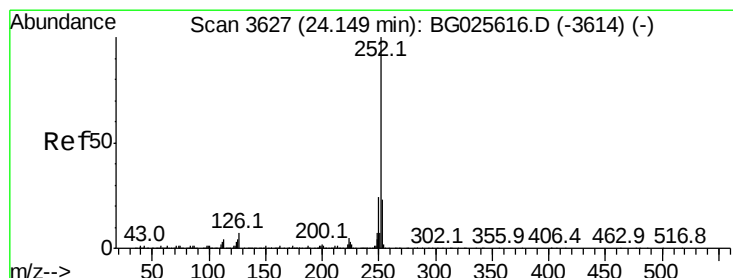
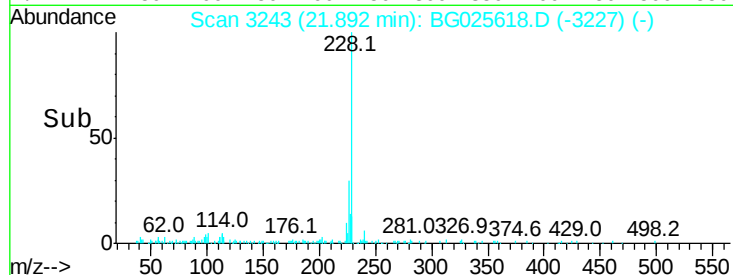
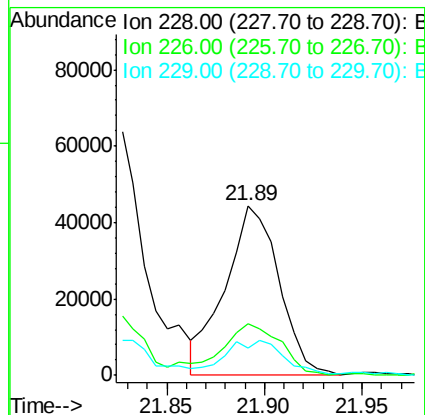
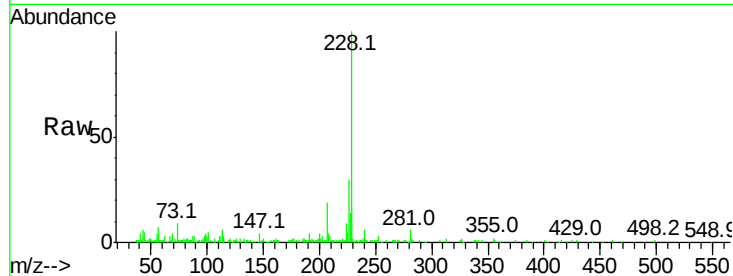
ClientSampleId :

BDNZ7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 84106 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.2  | 24.0  | 36.0  |
| 229       | 16.2  | 16.9  | 25.3# |

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#85

Benzo(b)fluoranthene

Concen: 2.13 ng/ul m

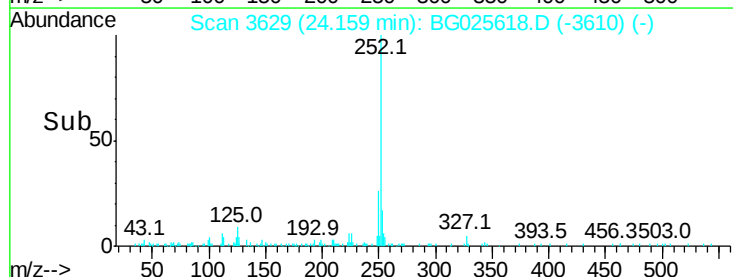
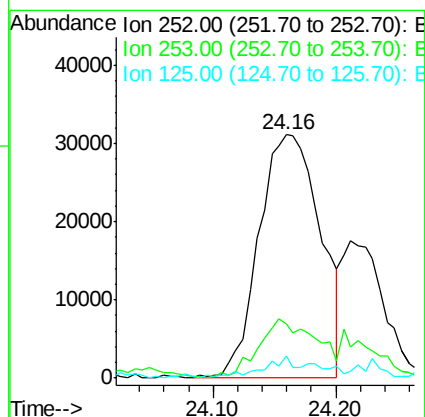
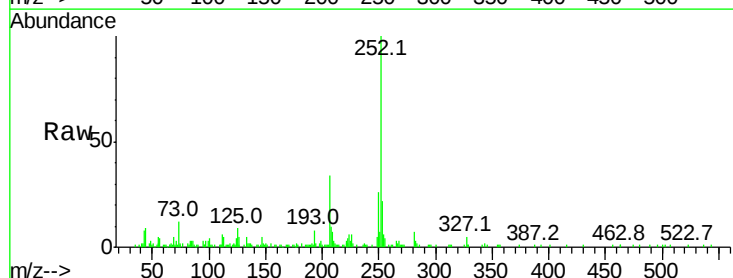
RT: 24.16 min Scan# 3629

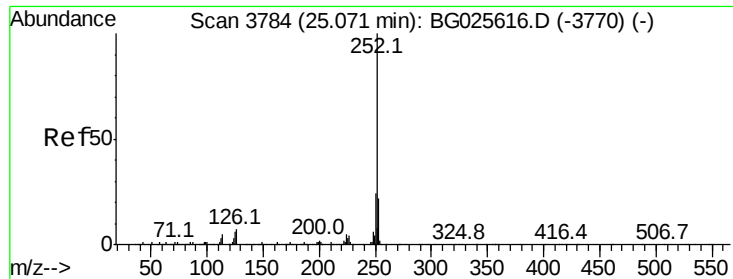
Delta R.T. 0.01 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 108432 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.1  | 17.7  | 26.5   |
| 125       | 9.2   | 4.0   | 6.0#   |





#88

Benzo(a)pyrene

Concen: 1.54 ng/ul

RT: 25.07 min Scan# 3784

Delta R.T. -0.00 min

Lab File: BG025618.D

Acq: 24 Jan 2017 21:49

Instrument :

BNA\_G

ClientSampleId :

BDNZ7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.8  | 26.6  |
| 125     | 11.3  | 5.4   | 8.0   |

Manual Integrations  
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