

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
 Data File : BG023608.D  
 Acq On : 11 Aug 2016 1:05  
 Operator : UM/SJ  
 Sample : H4385-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P002-SS002-3642-01

Manual Integrations  
 APPROVED

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 8/11/2016 6:13:09 PM

Quant Time: Aug 11 05:40:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 11 03:58:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 155981   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 732886   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 531797   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1300771  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.87 | 240  | 1284746  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.26 | 264  | 1264374  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 14943   | 4.07  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.26  | 99  | 333034m | 21.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 231749  | 23.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 236273  | 22.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 259300  | 21.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 130305m | 22.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 155106  | 23.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.56 | 165 | 272092m | 21.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 350519m | 23.87 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 1018132 | 23.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 1148118 | 23.43 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 156351  | 21.03 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.78 | 176 | 938502  | 23.33 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 171663  | 20.57 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 1412128 | 24.10 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 1572219 | 24.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.03 | 264 | 1416621 | 24.75 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |         |       |        | Qvalue |
|--------------------------|-------|-----|---------|-------|--------|--------|
| 44) Dimethylphthalate    | 14.22 | 163 | 619939  | 14.38 | ng/ul  | 99     |
| 69) Phenanthrene         | 17.59 | 178 | 121156  | 1.80  | ng/ul  | 97     |
| 74) Fluoranthene         | 19.60 | 202 | 207594m | 3.01  | ng/ul  |        |
| 77) Pyrene               | 19.97 | 202 | 272457m | 3.43  | ng/ul  |        |
| 80) Benzo(a)anthracene   | 21.84 | 228 | 121483  | 1.68  | ng/ul  | 95     |
| 82) Chrysene             | 21.92 | 228 | 123768  | 1.88  | ng/ul  | 98     |
| 85) Benzo(b)fluoranthene | 24.17 | 252 | 122197  | 1.70  | ng/ul# | 94     |
| 88) Benzo(a)pyrene       | 25.10 | 252 | 97908m  | 1.41  | ng/ul  |        |

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

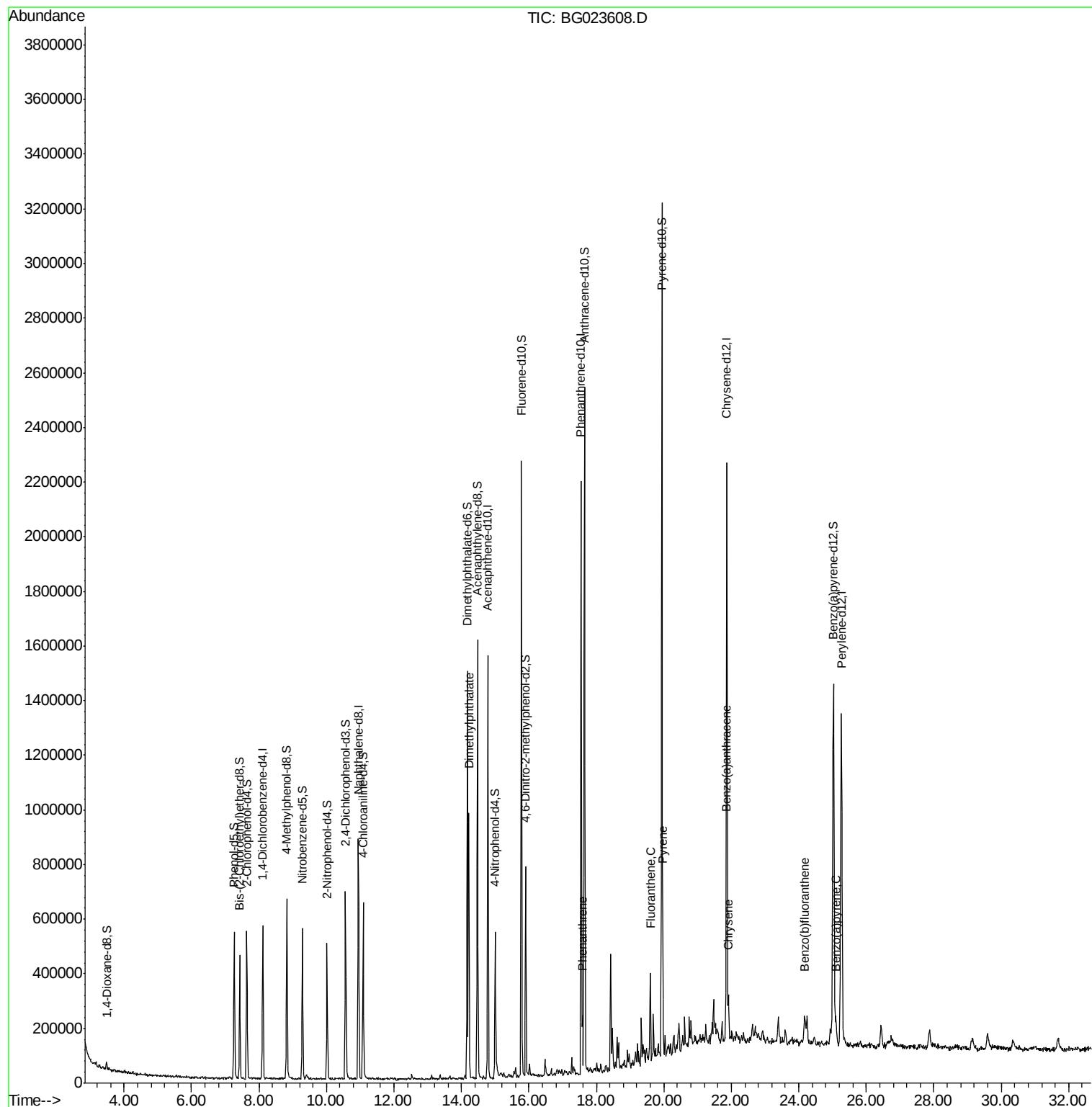
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023608.D  
Acq On : 11 Aug 2016 1:05  
Operator : UM/SJ  
Sample : H4385-06  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

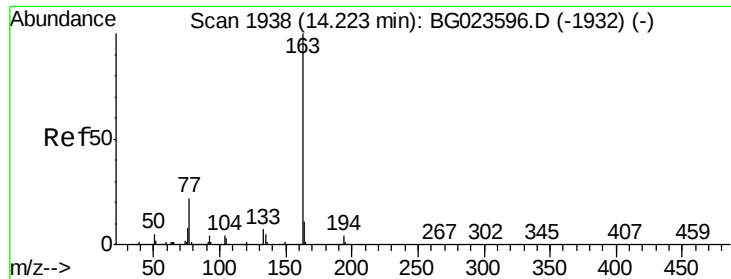
Instrument :  
BNA\_G  
ClientSampleId :  
P002-SS002-3642-01

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
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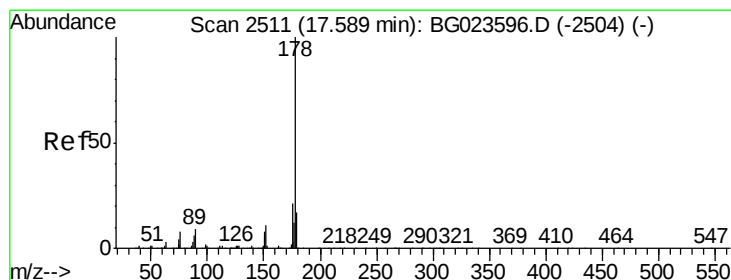
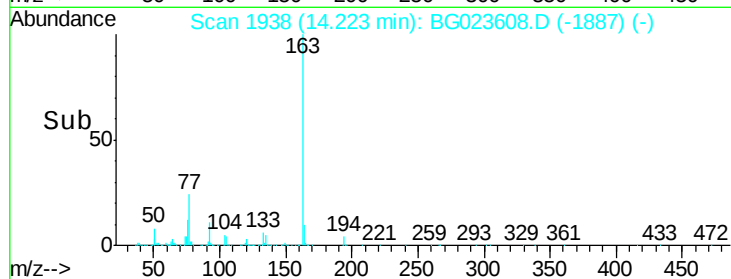
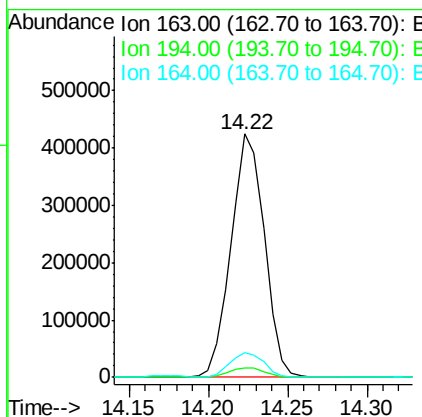
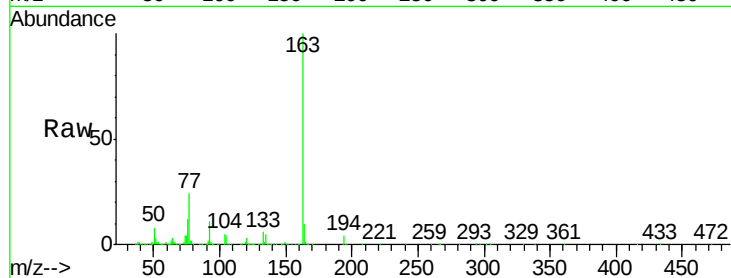
#44  
Dimethylphthalate  
Concen: 14.38 ng/ul  
RT: 14.22 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: BG023608.D  
Acq: 11 Aug 2016 1:05

Instrument :  
BNA\_G  
ClientSampleId :  
P002-SS002-3642-01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.9   | 3.4        | 5.2        |
| 164     | 10.4  | 8.8        | 13.2       |

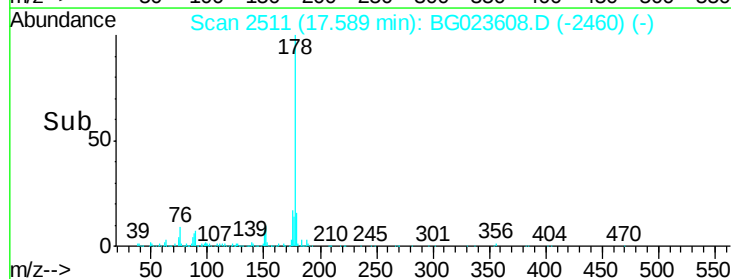
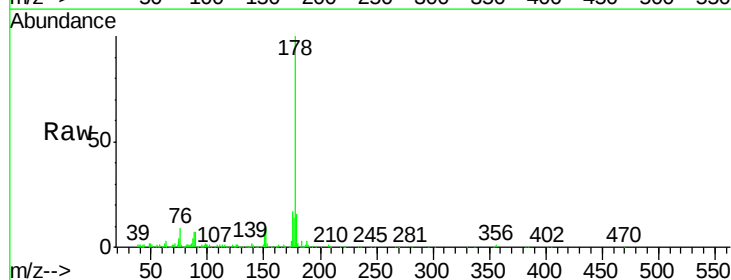
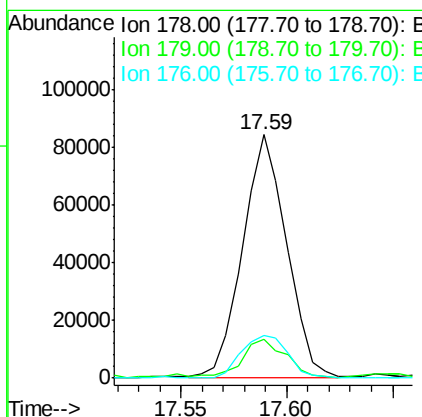
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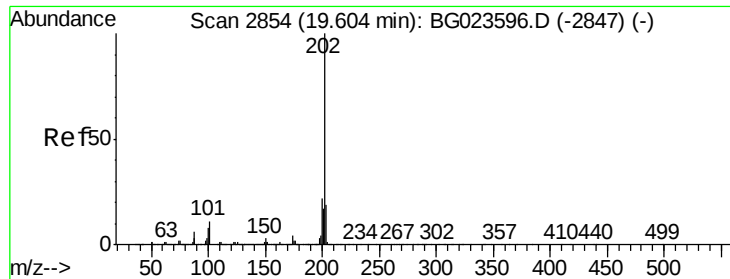
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#69  
Phenanthrene  
Concen: 1.80 ng/ul  
RT: 17.59 min Scan# 2511  
Delta R.T. 0.00 min  
Lab File: BG023608.D  
Acq: 11 Aug 2016 1:05

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 179     | 15.7  | 12.9       | 19.3       |
| 176     | 17.3  | 15.8       | 23.8       |





#74

Fluoranthene

Concen: 3.01 ng/ul m

RT: 19.60 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

Instrument :

BNA\_G

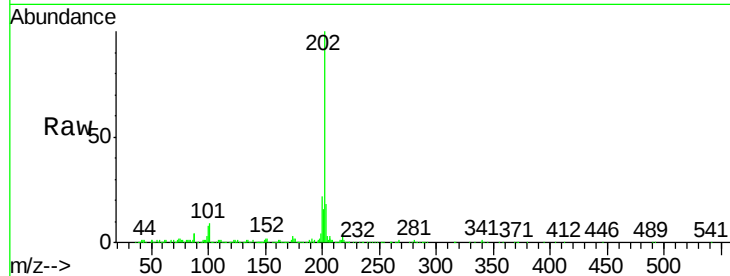
ClientSampleId :

P002-SS002-3642-01

| Tgt | Ion | Ratio | Resp   | Lower | Upper |
|-----|-----|-------|--------|-------|-------|
| 202 | 100 |       | 207594 |       |       |
| 101 | 8.6 | 10.6  | 16.0#  |       |       |
| 100 | 8.3 | 8.7   | 13.1#  |       |       |

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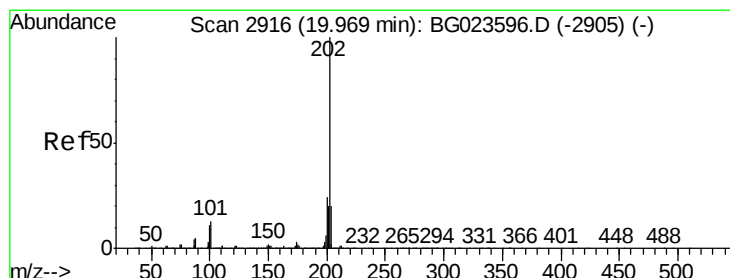
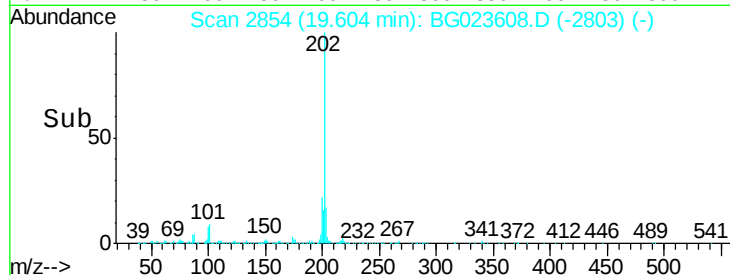
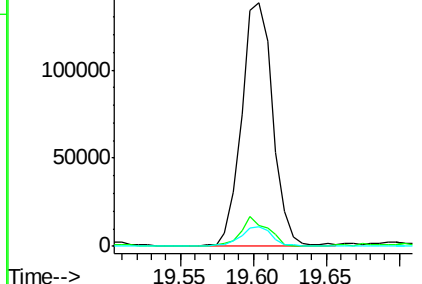
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 3.43 ng/ul m

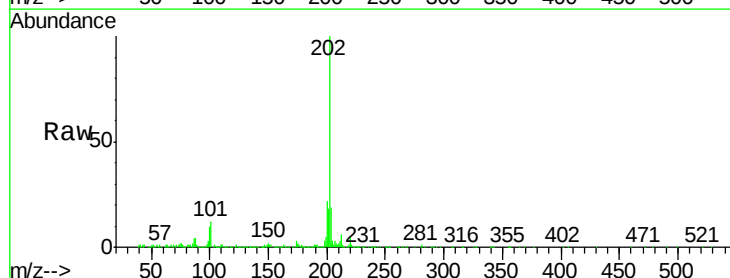
RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

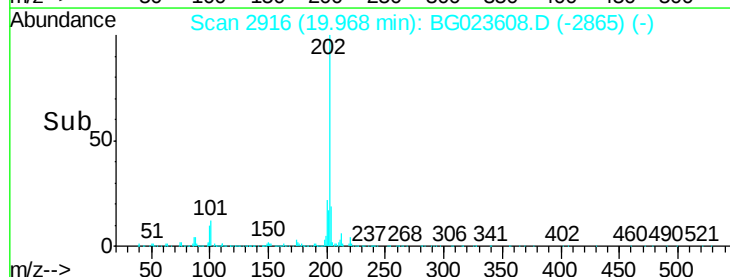
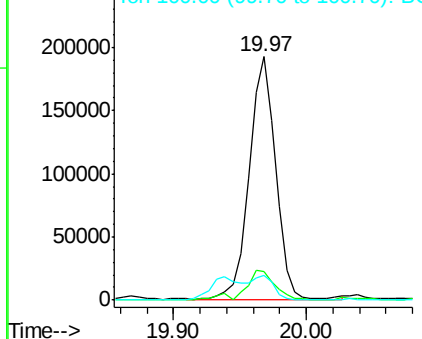
| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 272457 |       |       |
| 101 | 11.6 | 12.5  | 18.7#  |       |       |
| 100 | 10.0 | 10.2  | 15.4#  |       |       |

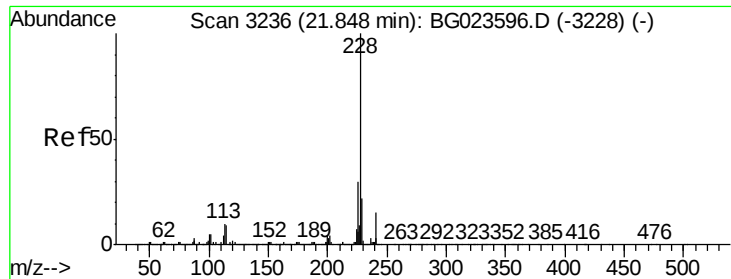


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.68 ng/ul

RT: 21.84 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

Instrument :

BNA\_G

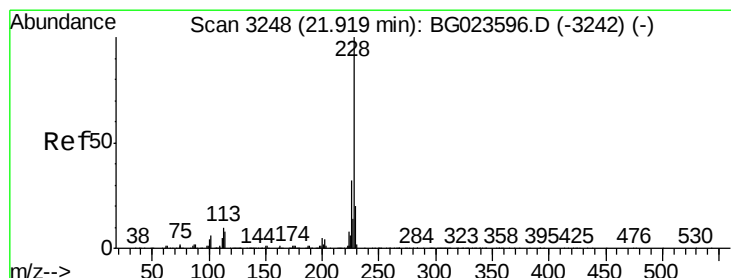
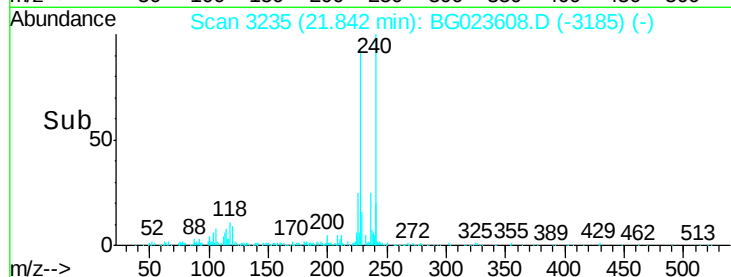
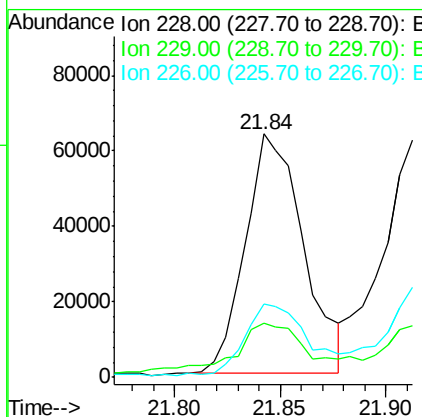
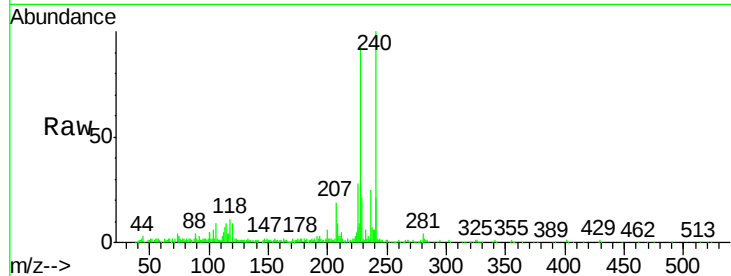
ClientSampleId :

P002-SS002-3642-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 121483 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 22.5  | 15.4  | 23.2   |
| 226       | 30.1  | 22.8  | 34.2   |

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#82

Chrysene

Concen: 1.88 ng/ul

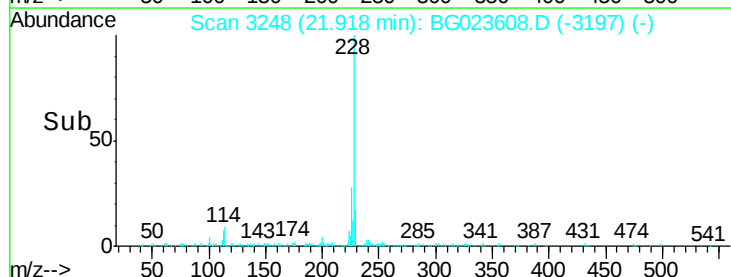
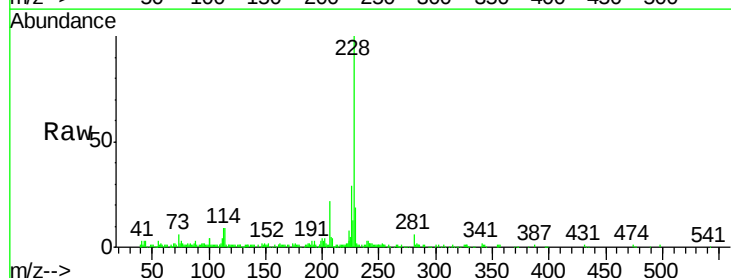
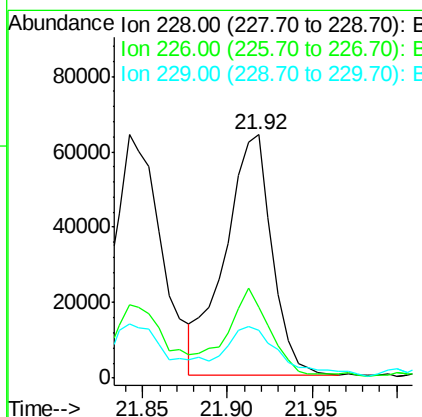
RT: 21.92 min Scan# 3248

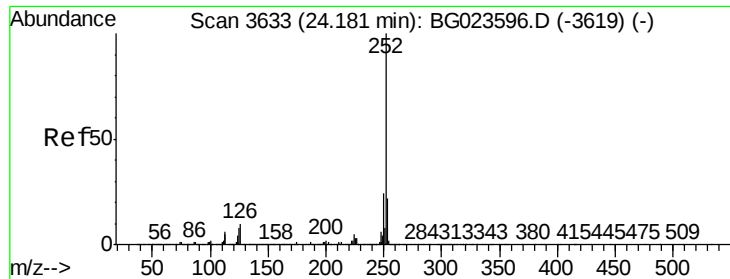
Delta R.T. 0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 123768 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.3  | 24.2  | 36.4   |
| 229       | 19.4  | 15.0  | 22.6   |





#85

Benzo(b)fluoranthene

Concen: 1.70 ng/ul

RT: 24.17 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

Instrument :

BNA\_G

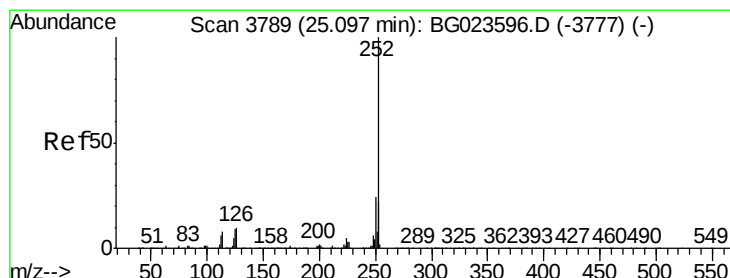
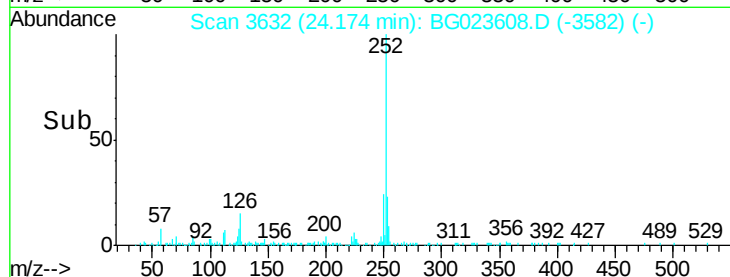
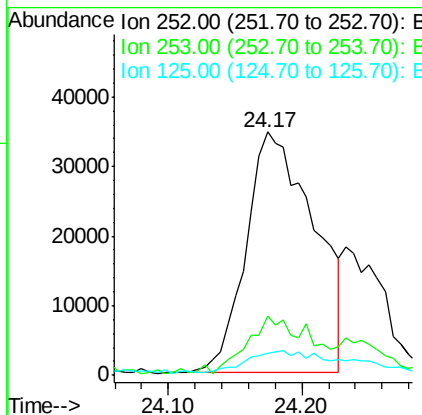
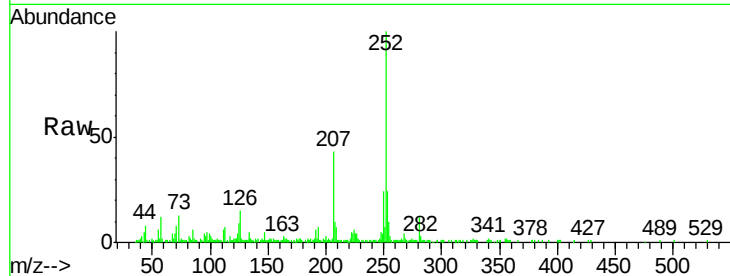
ClientSampleId :

P002-SS002-3642-01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 122197 |       |       |
| 253     | 24.2  | 18.2   | 27.2  |       |
| 125     | 9.1   | 10.8   | 16.2  |       |

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#88

Benzo(a)pyrene

Concen: 1.41 ng/ul m

RT: 25.10 min Scan# 3790

Delta R.T. -0.00 min

Lab File: BG023608.D

Acq: 11 Aug 2016 1:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 97908 |       |       |
| 253     | 16.6  | 19.0  | 28.4  |       |
| 125     | 9.6   | 12.0  | 18.0  |       |

