

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\  
 Data File : BG042188.D  
 Acq On : 13 Aug 2019 19:45  
 Operator : HP/JU  
 Sample : K4215-23  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ETOC7

Manual Integrations  
 APPROVED

mohammad  
 8/20/2019 8:36:00 AM

Quant Time: Aug 14 05:58:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 14 02:56:59 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 76276    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.85 | 136  | 311063   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.68 | 164  | 211334   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.44 | 188  | 426679   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.72 | 240  | 427421   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.00 | 264  | 511369   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 5075   | 2.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 122233 | 20.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.34  | 67  | 62689  | 18.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.55  | 132 | 115804 | 22.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 105555 | 21.00 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.19  | 128 | 56359  | 24.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 69414  | 25.53 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.47 | 165 | 130134 | 23.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 146832 | 24.11 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.08 | 166 | 395266 | 24.12 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.38 | 160 | 463962 | 24.78 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.89 | 143 | 33062  | 12.01 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.68 | 176 | 351606 | 24.11 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 29452  | 10.76 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.54 | 188 | 545302 | 26.64 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.82 | 212 | 619377 | 25.97 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.77 | 264 | 714465 | 26.75 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       | Ovalue    |
|--------------------------------|-------|-----|---------|-------|-----------|
| 6) Phenol                      | 7.21  | 94  | 10725   | 1.736 | ng/ul 93  |
| 44) Dimethylphthalate          | 14.13 | 163 | 135912  | 8.351 | ng/ul 99  |
| 69) Phenanthrene               | 17.48 | 178 | 73004   | 3.125 | ng/ul 98  |
| 76) Fluoranthene               | 19.49 | 202 | 133246m | 4.937 | ng/ul     |
| 79) Pyrene                     | 19.85 | 202 | 121977  | 4.243 | ng/ul# 95 |
| 82) Benzo(a)anthracene         | 21.70 | 228 | 65206   | 2.200 | ng/ul 98  |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 59975   | 3.884 | ng/ul 97  |
| 84) Chrysene                   | 21.77 | 228 | 64524   | 2.333 | ng/ul 98  |
| 87) Benzo(b)fluoranthene       | 23.96 | 252 | 90553   | 2.822 | ng/ul# 96 |
| 88) Benzo(k)fluoranthene       | 24.02 | 252 | 31936m  | 1.035 | ng/ul     |
| 90) Benzo(a)pyrene             | 24.84 | 252 | 68525   | 2.241 | ng/ul# 96 |
| 91) Indeno(1,2,3-cd)pyrene     | 28.72 | 276 | 40836   | 1.145 | ng/ul# 91 |

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

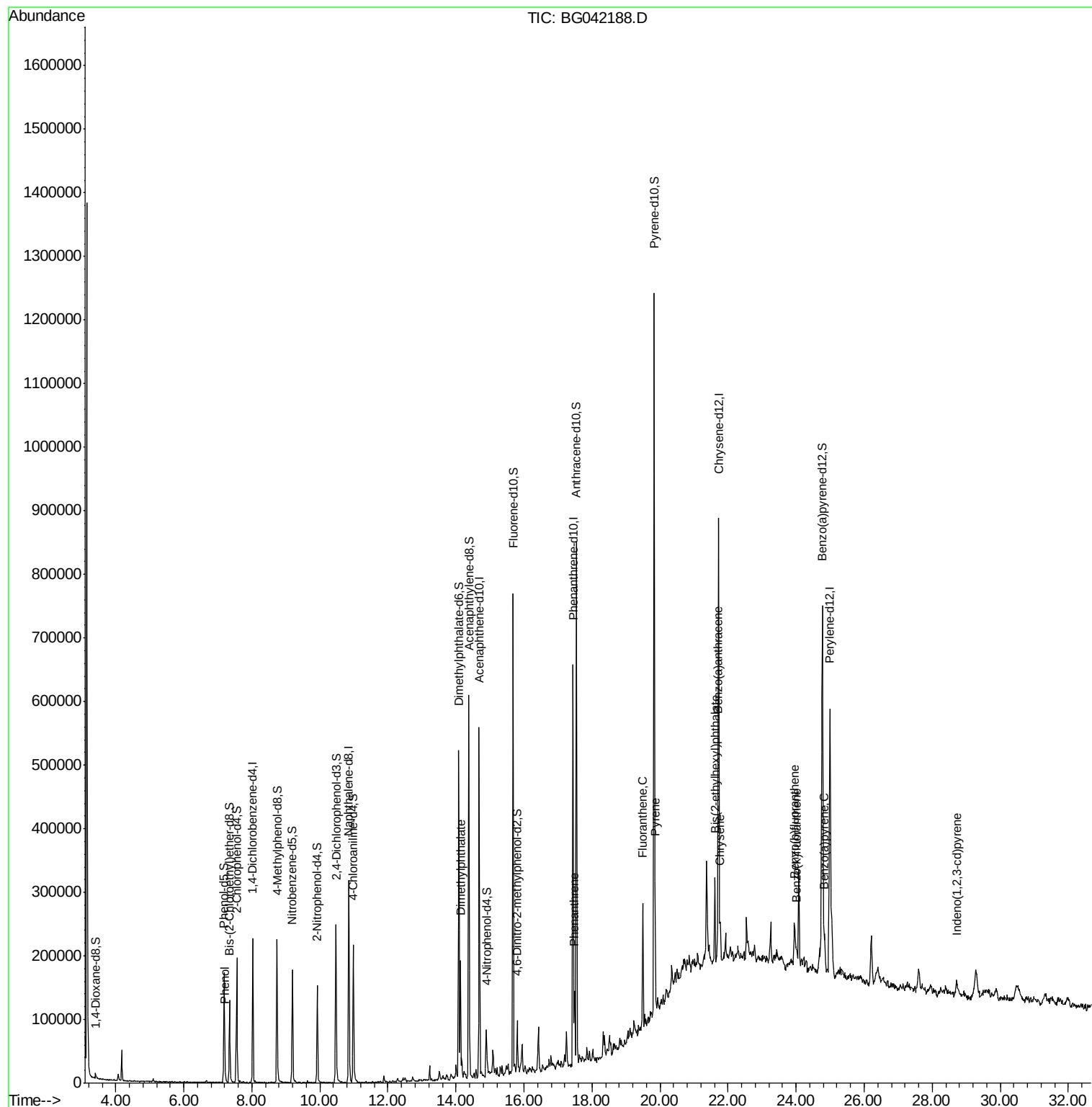
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\  
Data File : BG042188.D  
Acq On : 13 Aug 2019 19:45  
Operator : HP/JU  
Sample : K4215-23  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

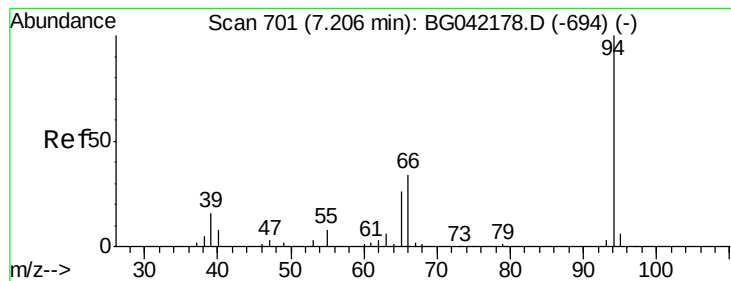
Instrument :  
BNA\_G  
ClientSampleId :  
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8/20/2019 8:36:00 AM

Quant Time: Aug 14 05:58:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 14 02:56:59 2019  
Response via : Initial Calibration





#6

Phenol

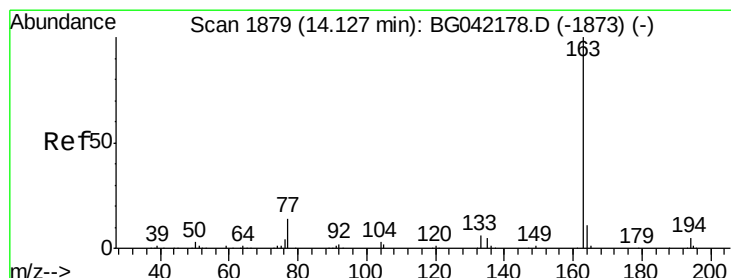
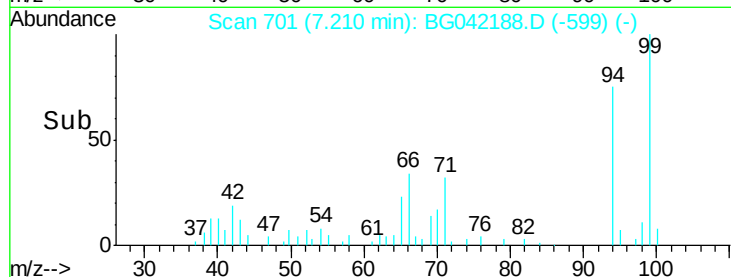
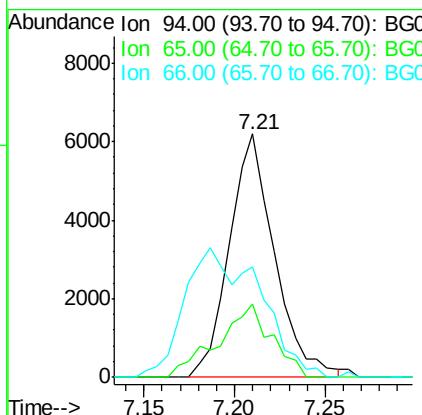
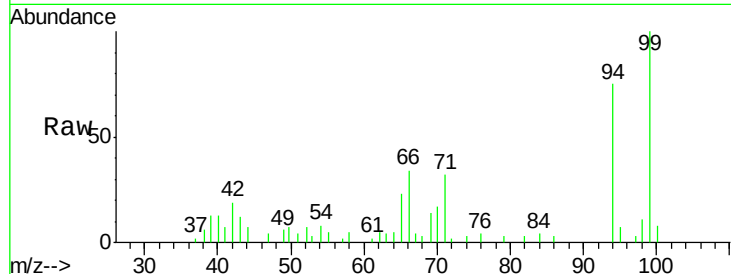
Concen: 1.736 ng/ul  
 RT: 7.21 min Scan# 701  
 Delta R.T. 0.00 min  
 Lab File: BG042188.D  
 Acq: 13 Aug 2019 19:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ETOC7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.0  | 25.8  | 38.6  |
| 66      | 45.1  | 31.8  | 47.8  |

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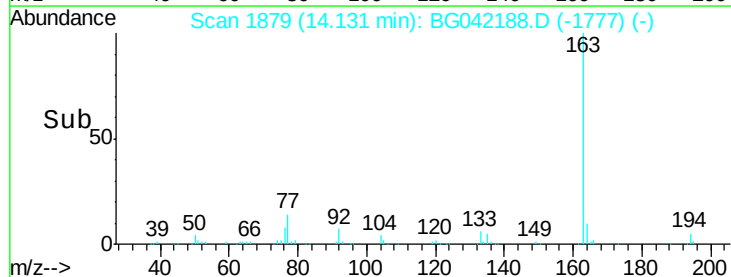
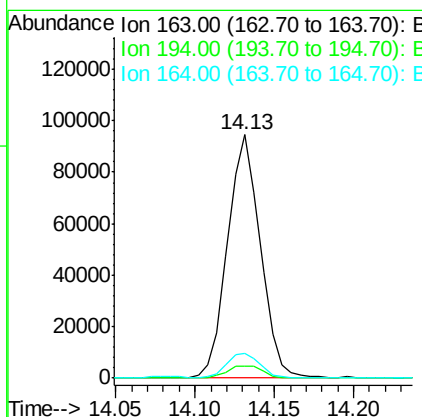
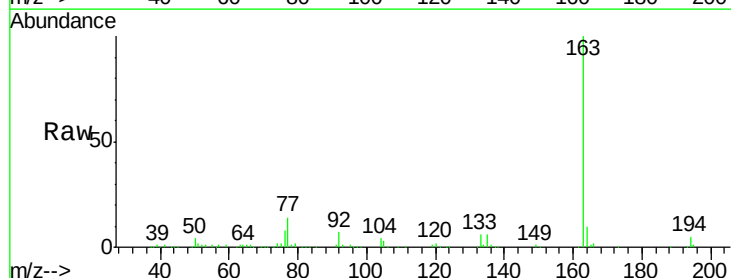


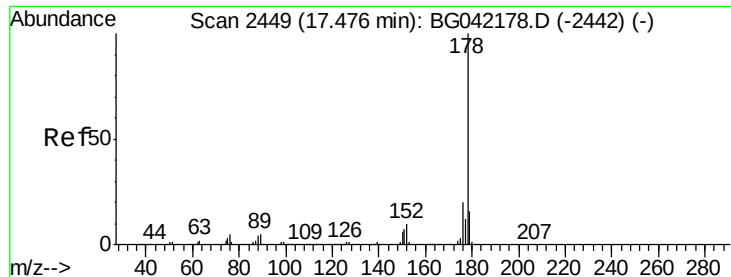
#44

Dimethylphthalate

Concen: 8.351 ng/ul  
 RT: 14.13 min Scan# 1879  
 Delta R.T. 0.00 min  
 Lab File: BG042188.D  
 Acq: 13 Aug 2019 19:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 4.2   | 6.2   |
| 164     | 10.3  | 7.8   | 11.8  |





#69

Phenanthrene

Concen: 3.125 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BG042188.D

Acq: 13 Aug 2019 19:45

Instrument :

BNA\_G

ClientSampleId :

ETOC7

Tot Ion:178 Resp: 73004

Ion Ratio Lower Upper

178 100

179 16.8 12.8 19.2

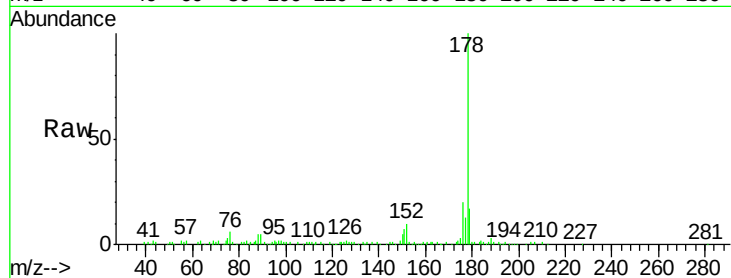
176 20.0 15.4 23.2

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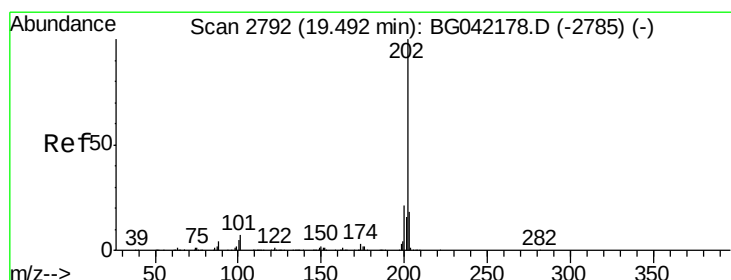
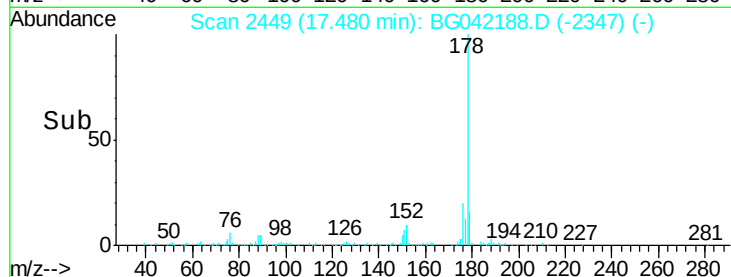
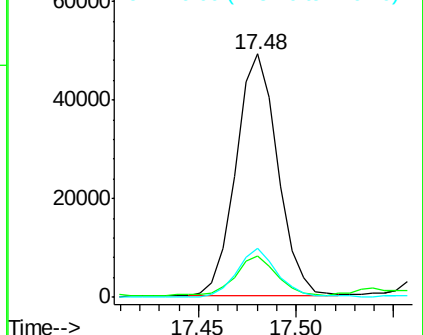
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 4.937 ng/ul m

RT: 19.49 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BG042188.D

Acq: 13 Aug 2019 19:45

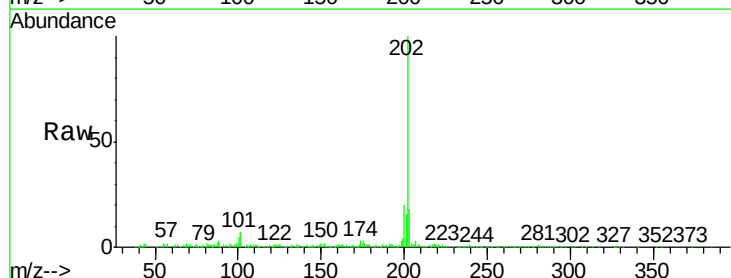
Tgt Ion:202 Resp: 133246

Ion Ratio Lower Upper

202 100

101 6.8 6.7 10.1

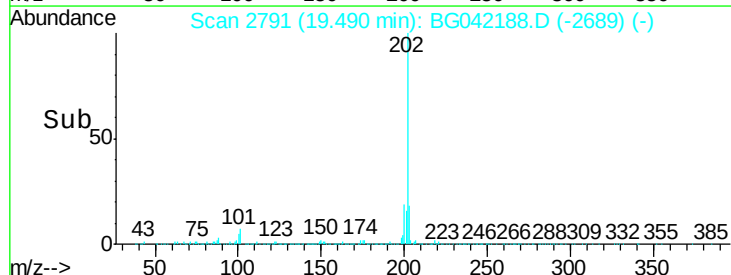
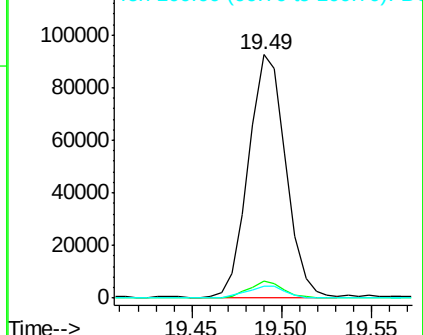
100 5.2 5.3 7.9#

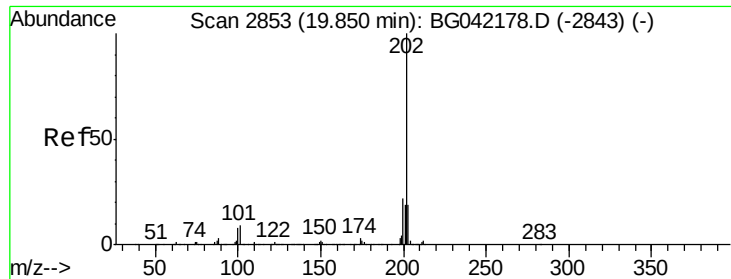


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 4.243 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG042188.D

Acq: 13 Aug 2019 19:45

Instrument :

BNA\_G

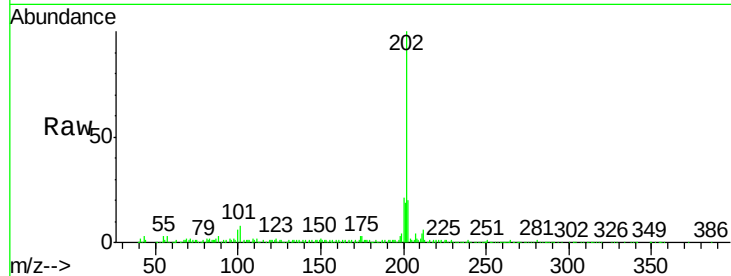
ClientSampleId :

ETOC7

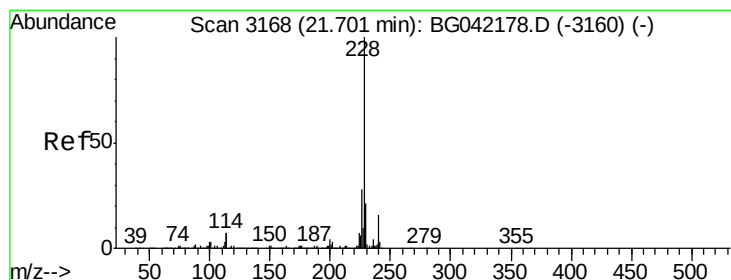
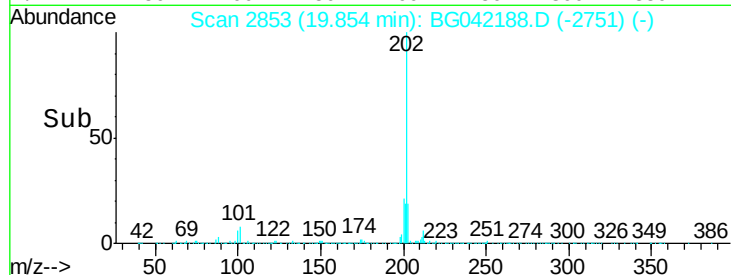
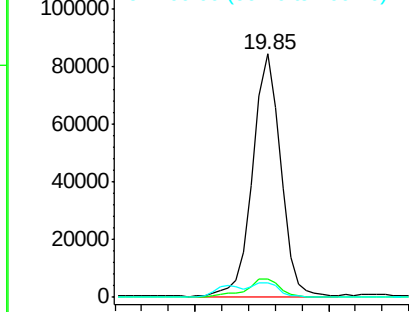
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 121977 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.6   | 7.6   | 11.4#  |
| 100       | 6.1   | 6.5   | 9.7#   |

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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): E



#82

Benzo(a)anthracene

Concen: 2.200 ng/ul

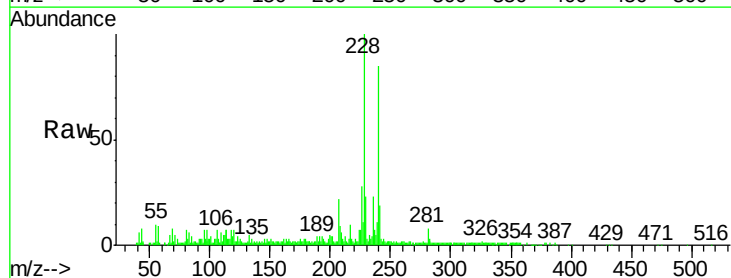
RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

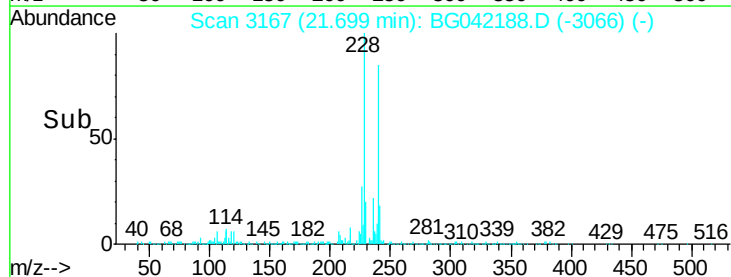
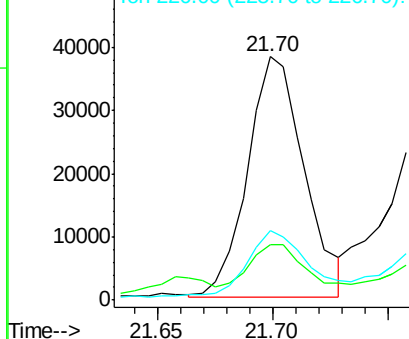
Lab File: BG042188.D

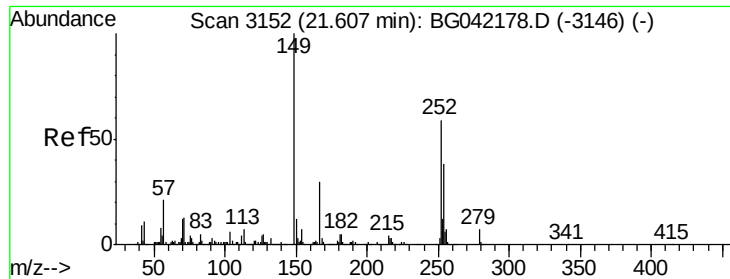
Acq: 13 Aug 2019 19:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 65206 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 23.0  | 17.0  | 25.6  |
| 226       | 28.4  | 23.3  | 34.9  |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E





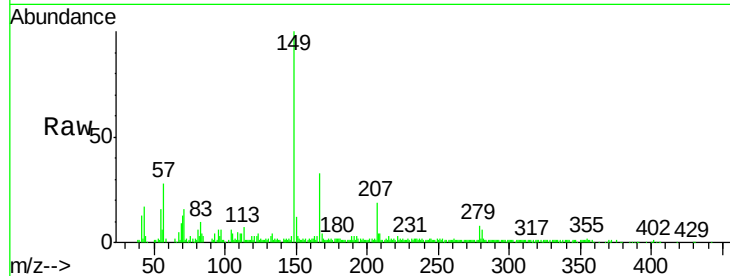
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.884 ng/ul  
 RT: 21.61 min Scan# 3152  
 Delta R.T. 0.00 min  
 Lab File: BG042188.D  
 Acq: 13 Aug 2019 19:45

Instrument :  
 BNA\_G  
 ClientSampleID :  
 ETOC7

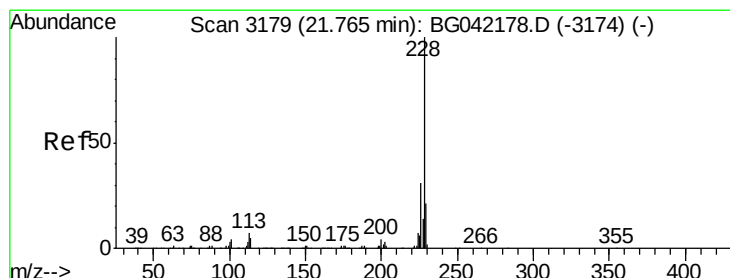
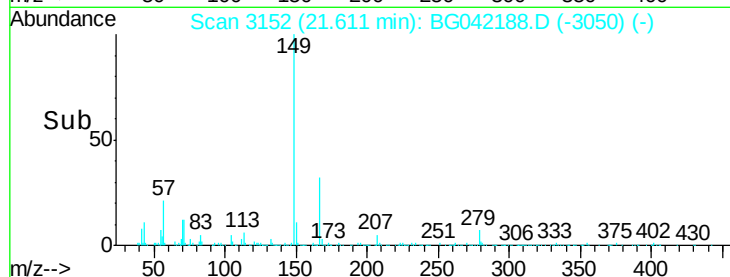
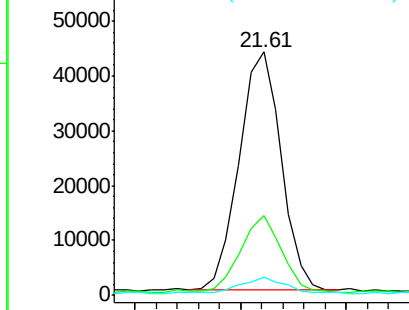
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 32.9  | 25.0  | 37.4  |
| 279     | 7.7   | 5.2   | 7.8   |

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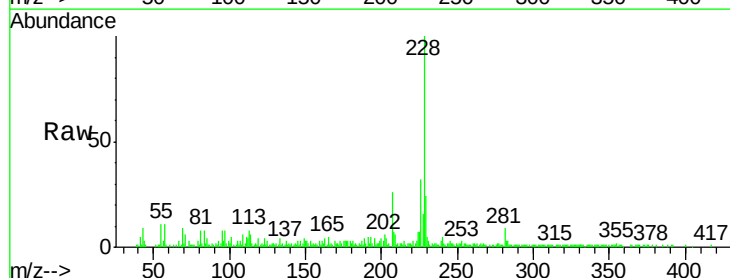


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

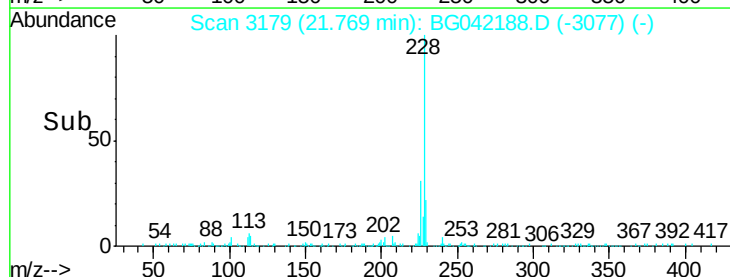
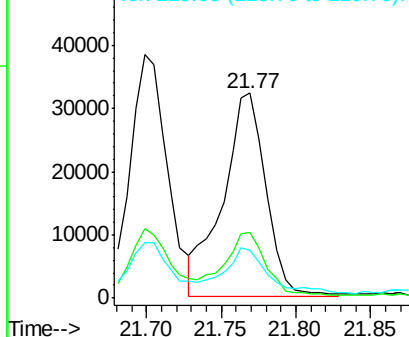


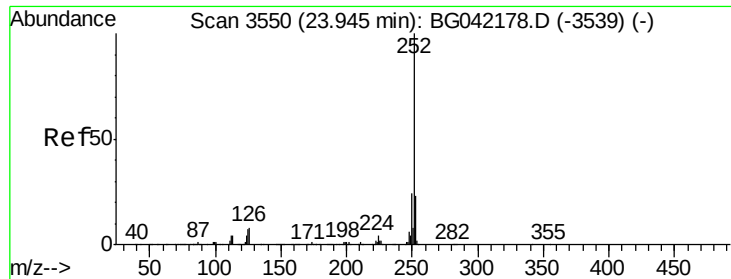
#84  
 Chrysene  
 Concen: 2.333 ng/ul  
 RT: 21.77 min Scan# 3179  
 Delta R.T. 0.00 min  
 Lab File: BG042188.D  
 Acq: 13 Aug 2019 19:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.1  | 25.7  | 38.5  |
| 229     | 23.5  | 16.6  | 24.8  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 2.822 ng/ul

RT: 23.96 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BG042188.D

Acq: 13 Aug 2019 19:45

Instrument :

BNA\_G

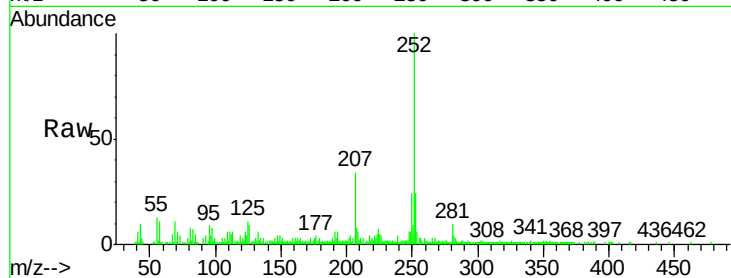
ClientSampleId :

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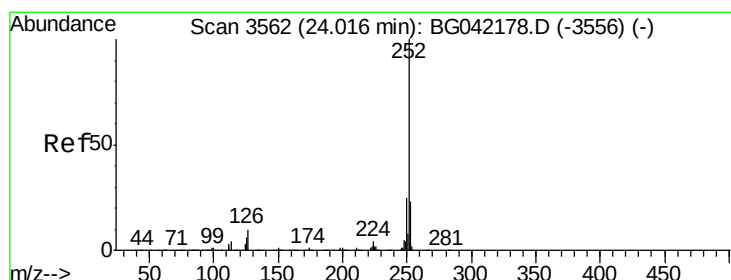
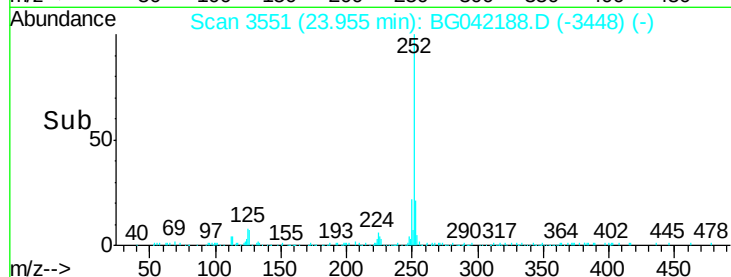
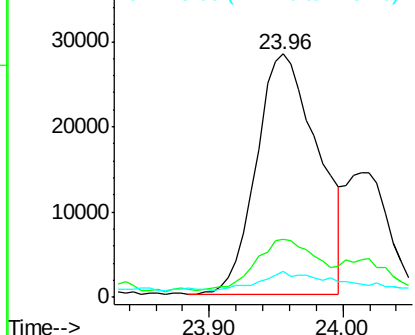
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 90553 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.1  | 18.4  | 27.6  |
| 125       | 10.9  | 5.8   | 8.8#  |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 1.035 ng/ul m

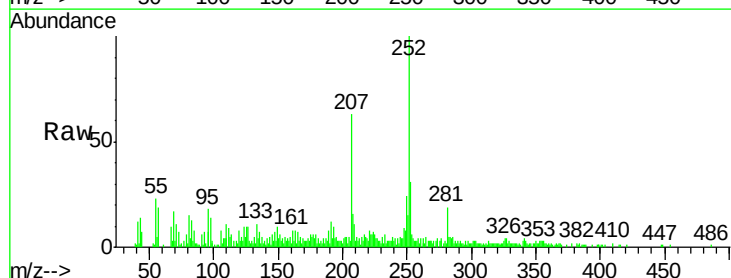
RT: 24.02 min Scan# 3562

Delta R.T. 0.01 min

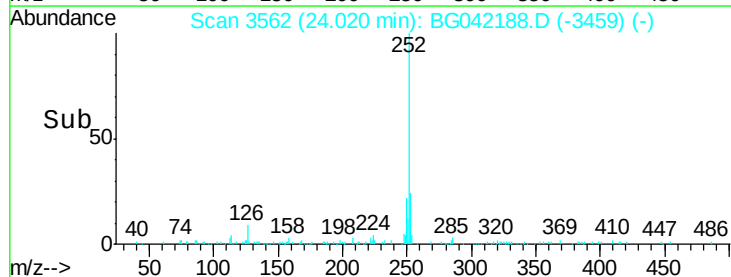
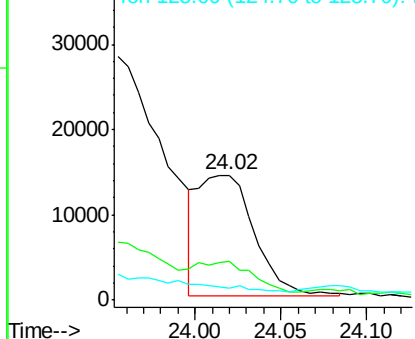
Lab File: BG042188.D

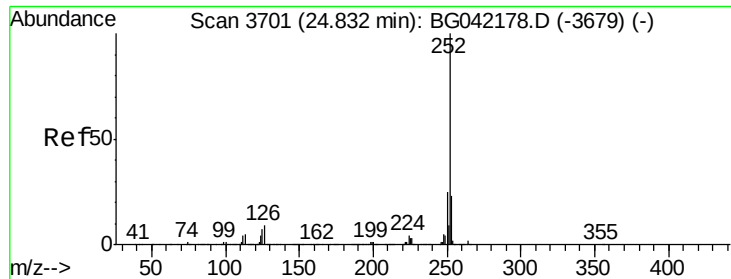
Acq: 13 Aug 2019 19:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 31936 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.3  | 18.3  | 27.5# |
| 125       | 9.8   | 5.5   | 8.3#  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





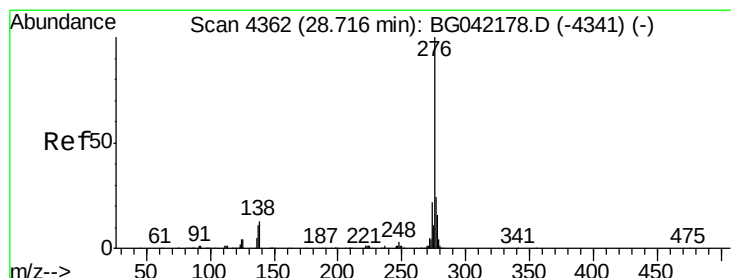
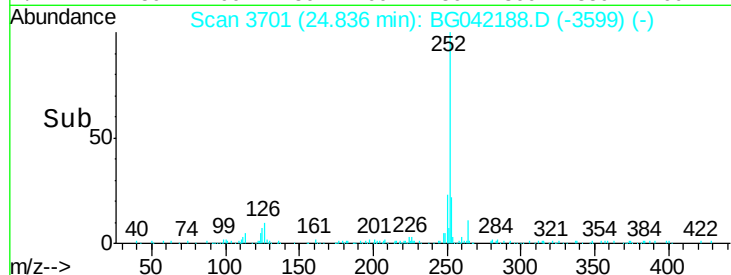
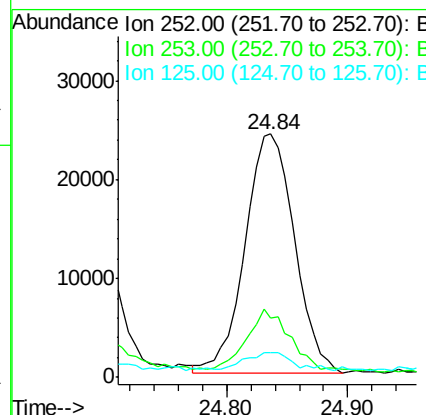
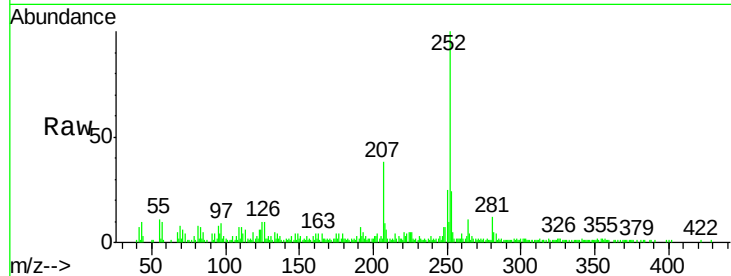
#90  
Benzo(a)pyrene  
Concen: 2.241 ng/ul  
RT: 24.84 min Scan# 3701  
Delta R.T. 0.00 min  
Lab File: BG042188.D  
Acq: 13 Aug 2019 19:45

Instrument :  
BNA\_G  
ClientSampleId :  
ETOC7

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 24.4  | 18.3       | 27.5  |
| 125     | 10.3  | 6.5        | 9.7   |

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8/20/2019 8:36:00 AM



#91  
Indeno(1,2,3-cd)pyrene  
Concen: 1.145 ng/ul  
RT: 28.72 min Scan# 4362  
Delta R.T. 0.01 min  
Lab File: BG042188.D  
Acq: 13 Aug 2019 19:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 18.8  | 12.0       | 18.0  |
| 277     | 28.1  | 19.2       | 28.8  |

