

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
 Data File : BG023603.D  
 Acq On : 10 Aug 2016 21:56  
 Operator : UM/SJ  
 Sample : H4384-09  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS002-1218-01

Quant Time: Aug 11 04:00:27 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  | 149824   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.95 | 136  | 667127   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 454545   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1147093  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.87 | 240  | 1248980  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.27 | 264  | 1208967  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 12942   | 3.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 294720  | 19.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 209305  | 21.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 212088  | 20.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 208007  | 17.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 116407  | 22.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 133321  | 22.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 233885  | 20.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 296958  | 22.22 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 837745  | 22.51 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 945762  | 22.58 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 134573  | 21.18 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.78 | 176 | 764350  | 22.23 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.00 | 200 | 515     | 0.07  | ng/ul | 0.10 |
| 70) Anthracene-d10             | 17.65 | 188 | 1170927 | 22.66 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 1393637 | 22.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.03 | 264 | 1250597 | 22.85 | ng/ul | 0.00 |

## Target Compounds

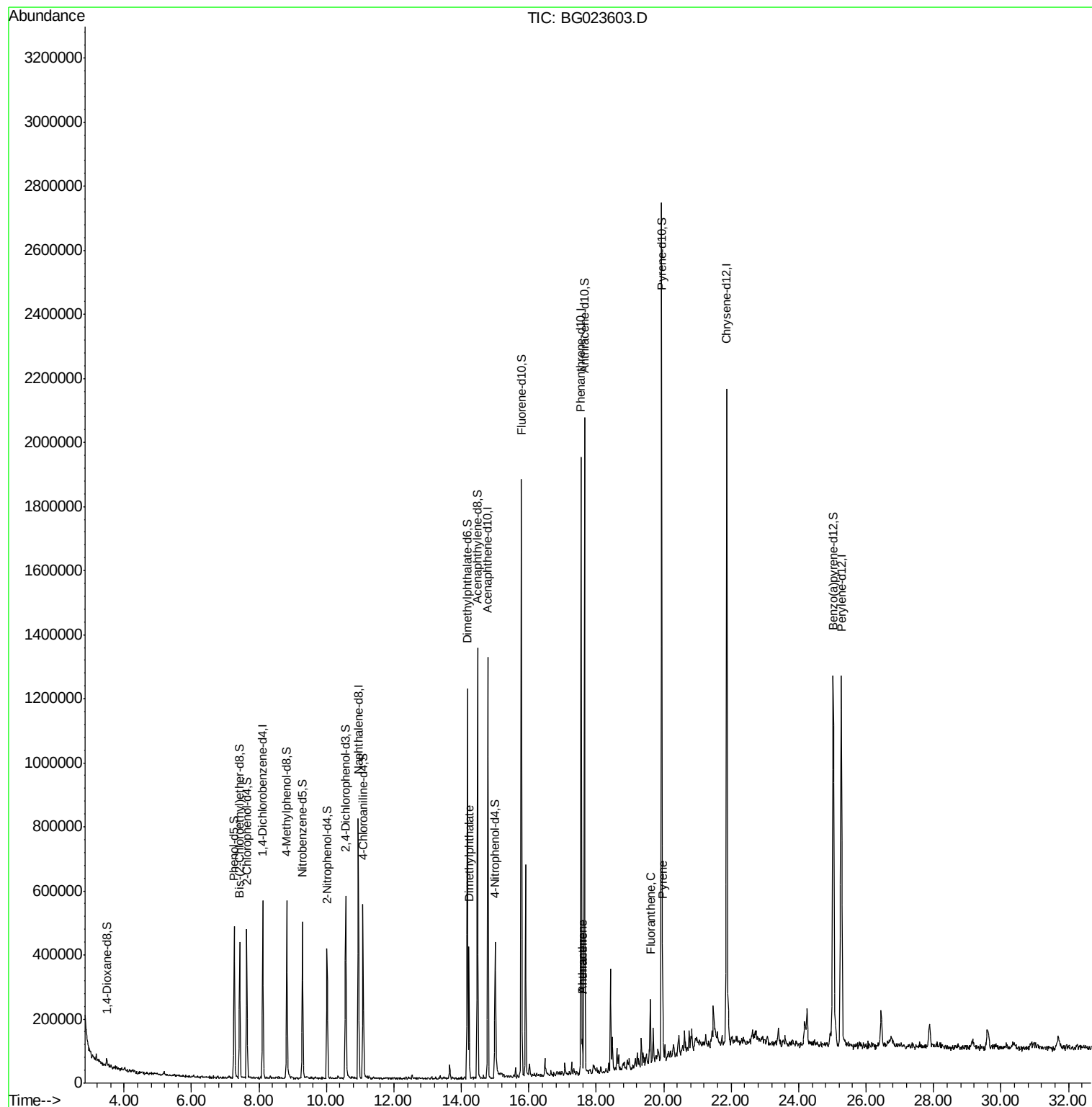
|                       |       |     |        |      |        | Qvalue |
|-----------------------|-------|-----|--------|------|--------|--------|
| 44) Dimethylphthalate | 14.22 | 163 | 271090 | 7.36 | ng/ul# | 99     |
| 69) Phenanthrene      | 17.59 | 178 | 65372  | 1.10 | ng/ul  | 99     |
| 71) Anthracene        | 17.59 | 178 | 65168  | 1.08 | ng/ul  | 99     |
| 74) Fluoranthene      | 19.60 | 202 | 118037 | 1.94 | ng/ul# | 91     |
| 77) Pyrene            | 19.97 | 202 | 151936 | 1.97 | ng/ul# | 91     |

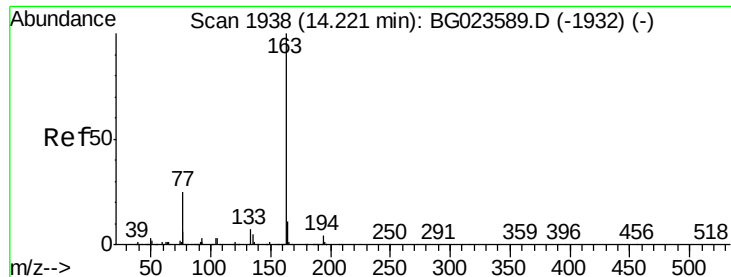
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 7.36 ng/ul

RT: 14.22 min Scan# 1938

Delta R.T. 0.00 min

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Acq: 10 Aug 2016 21:56

Instrument :

BNA\_G

ClientSampleId :

P001-SS002-1218-01

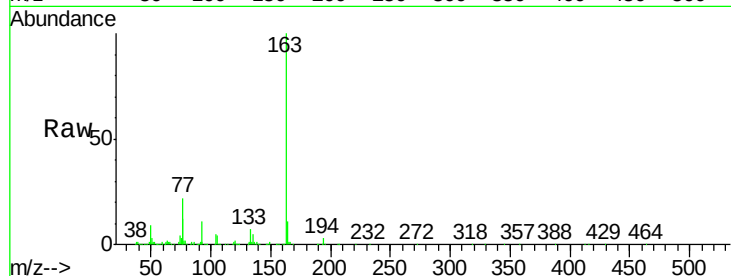
Tgt Ion:163 Resp: 271090

Ion Ratio Lower Upper

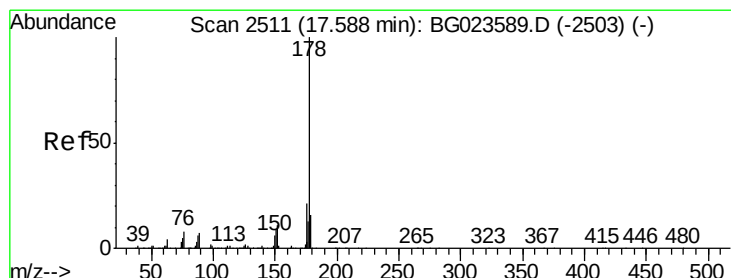
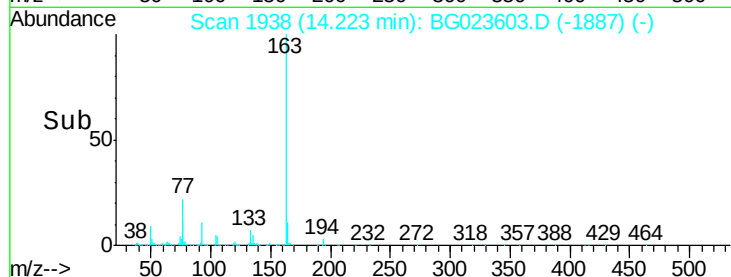
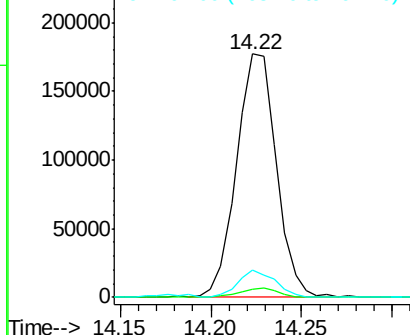
163 100

194 3.2 3.4 5.2#

164 11.1 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 1.10 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG023603.D

Acq: 10 Aug 2016 21:56

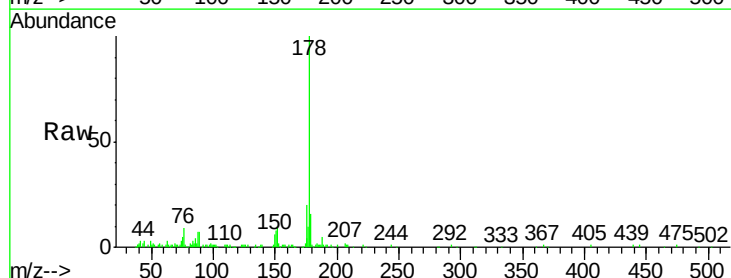
Tgt Ion:178 Resp: 65372

Ion Ratio Lower Upper

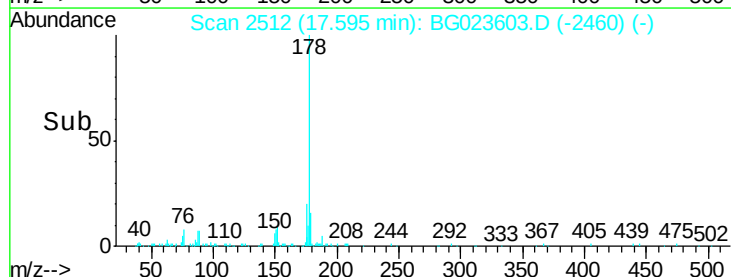
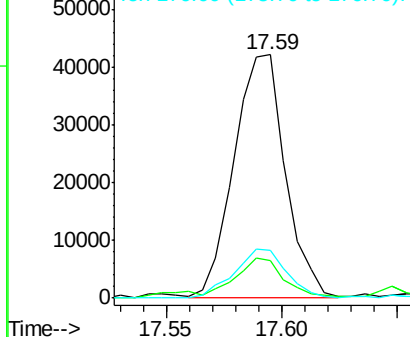
178 100

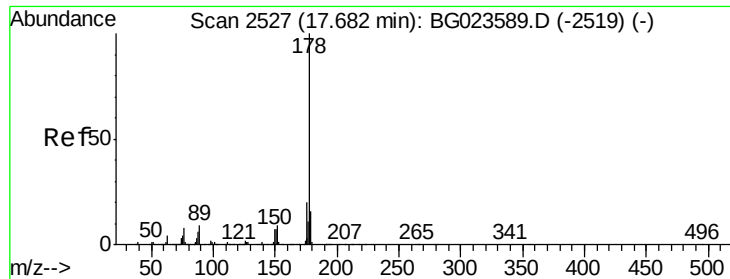
179 15.6 12.9 19.3

176 19.5 15.8 23.8



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





#71

Anthracene

Concen: 1.08 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.09 min

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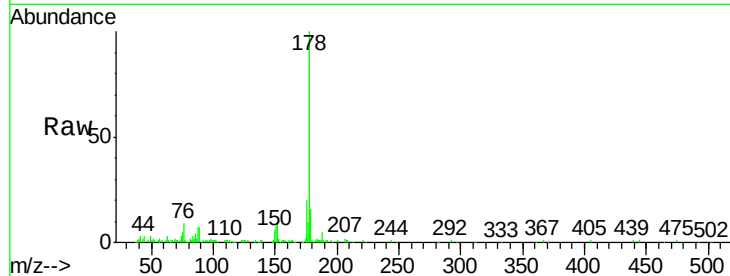
Tgt Ion:178 Resp: 65168

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

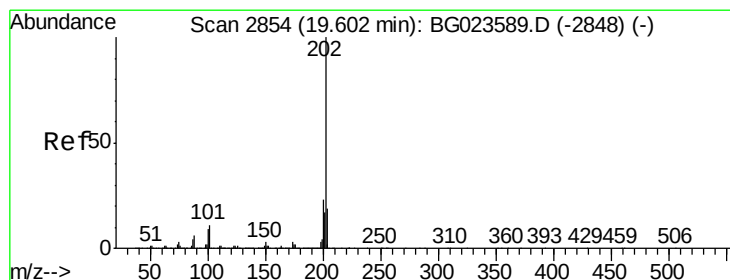
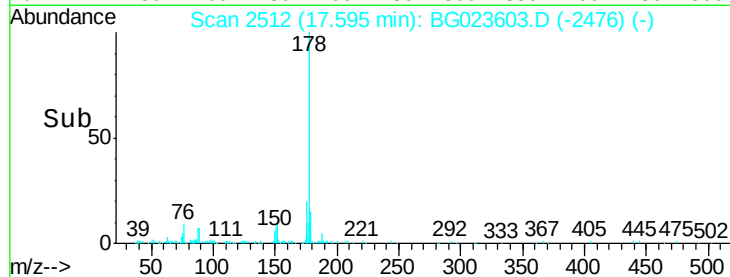
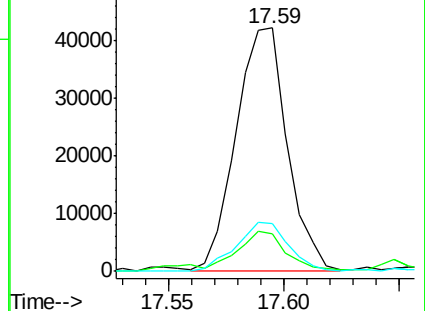
176 19.5 16.3 24.5



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



#74

Fluoranthene

Concen: 1.94 ng/ul

RT: 19.60 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG023603.D

Acq: 10 Aug 2016 21:56

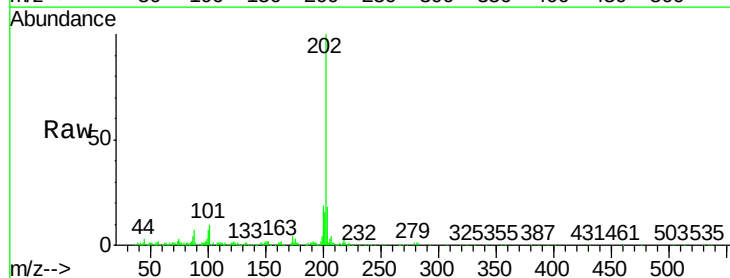
Tgt Ion:202 Resp: 118037

Ion Ratio Lower Upper

202 100

101 10.0 10.6 16.0#

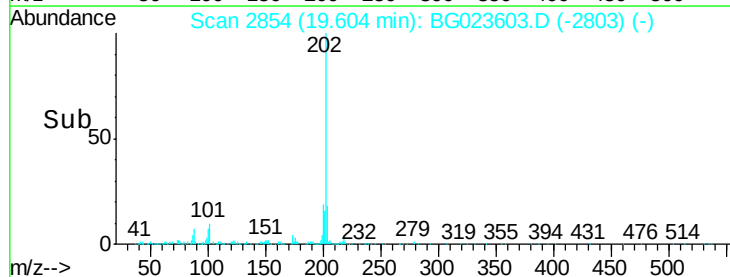
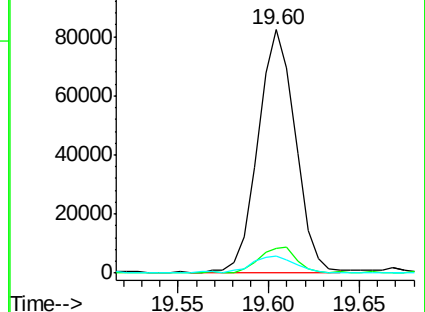
100 7.0 8.7 13.1#

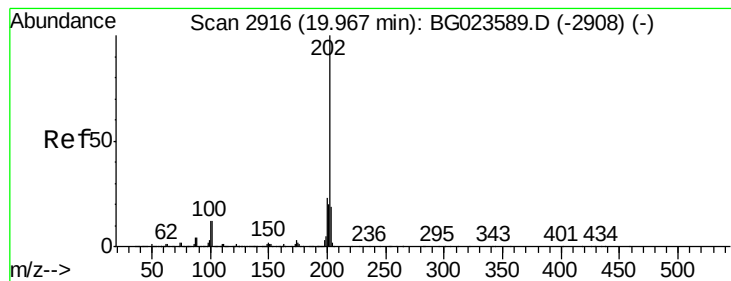


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 1.97 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023603.D

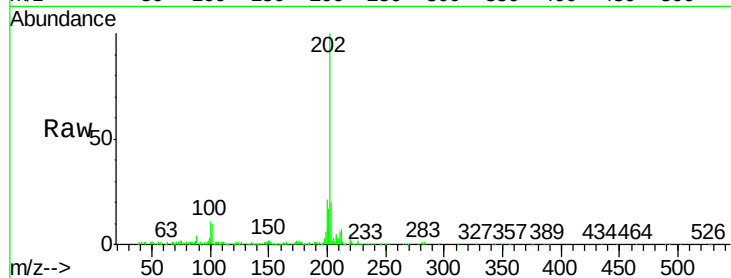
Acq: 10 Aug 2016 21:56

Instrument :

BNA\_G

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 151936 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.4  | 12.5  | 18.7#  |
| 100      | 10.6  | 10.2  | 15.4   |

