

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112215\  
 Data File : BG019804.D  
 Acq On : 23 Nov 2015 10:11  
 Operator : UM/NP  
 Sample : G4346-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4J70

Quant Time: Nov 23 12:22:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 23 04:11:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 16837    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 74808    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.75 | 164  | 66351    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.49 | 188  | 182273   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.76 | 240  | 229153   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.07 | 264  | 221242   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 754    | 1.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.26  | 99  | 23210  | 13.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.42  | 67  | 14707  | 13.01 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 14639  | 13.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 15835  | 11.09 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.28  | 128 | 7981   | 12.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.01 | 143 | 9952   | 14.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 21161  | 14.16 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.07 | 131 | 9534   | 6.72  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.14 | 166 | 81107  | 13.52 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.44 | 160 | 83879  | 12.90 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.95 | 143 | 9588   | 10.14 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.74 | 176 | 68083  | 12.68 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.85 | 200 | 10638  | 9.03  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.59 | 188 | 103336 | 11.68 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.87 | 212 | 119529 | 11.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.84 | 264 | 109749 | 9.50  | ng/ul | 0.00 |

## Target Compounds

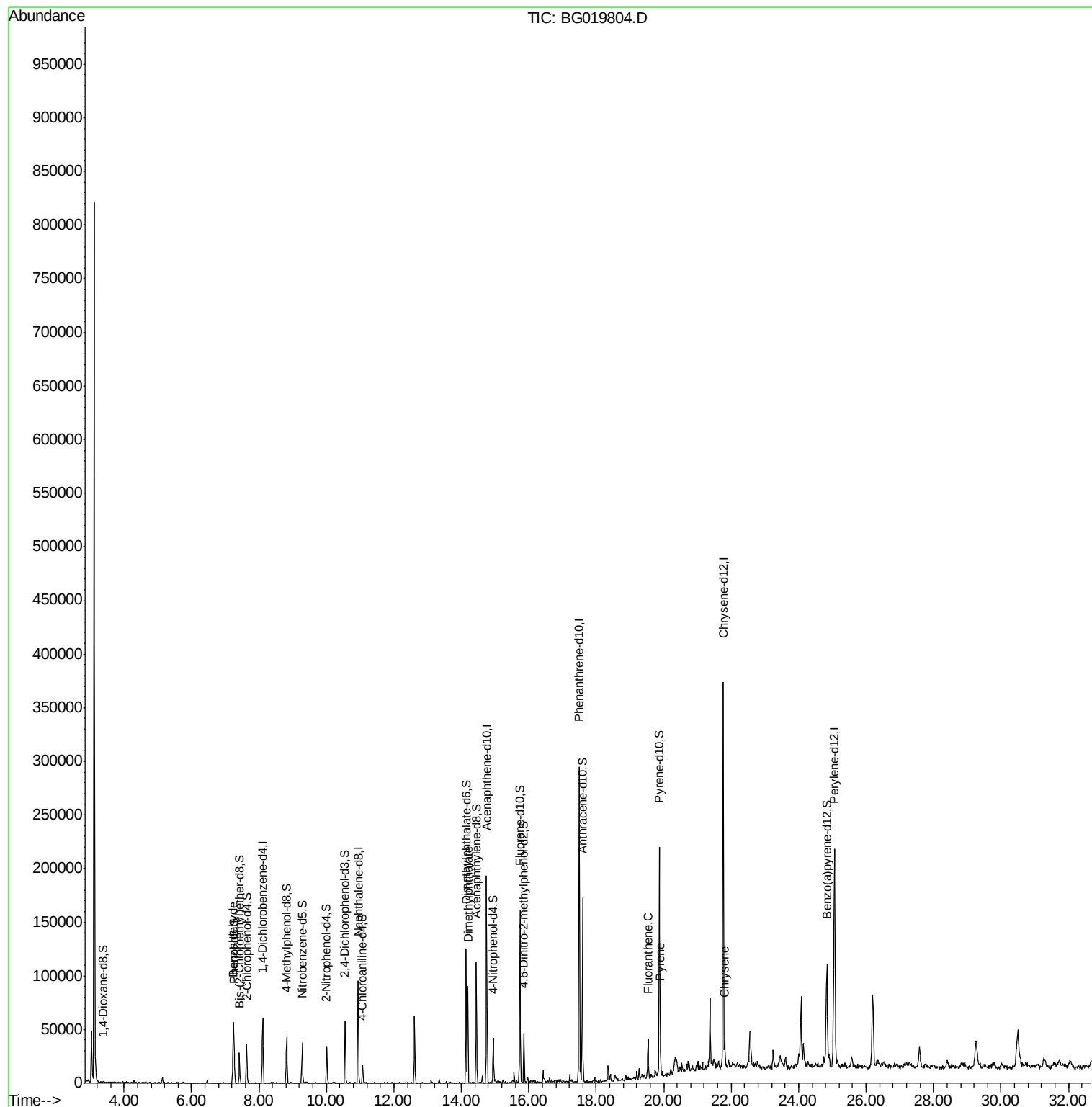
|                       |       |     |       |       |        | Qvalue |
|-----------------------|-------|-----|-------|-------|--------|--------|
| 4) Benzaldehyde       | 7.23  | 77  | 21260 | 16.91 | ng/ul  | 87     |
| 45) Dimethylphthalate | 14.20 | 163 | 56200 | 9.45  | ng/ul# | 95     |
| 77) Fluoranthene      | 19.54 | 202 | 22174 | 1.78  | ng/ul  | 98     |
| 80) Pyrene            | 19.90 | 202 | 25421 | 1.90  | ng/ul# | 94     |
| 85) Chrysene          | 21.81 | 228 | 15708 | 1.20  | ng/ul  | 94     |

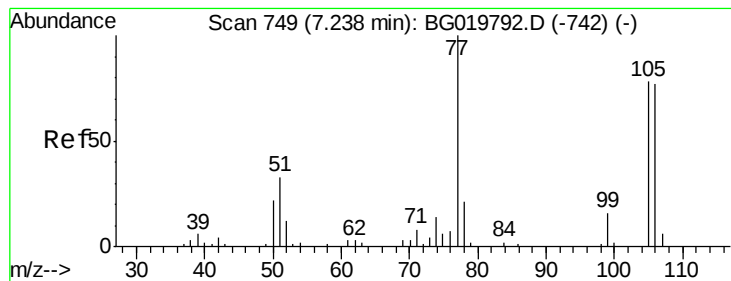
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 16.91 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. -0.00 min

Lab File: BG019804.D

Acq: 23 Nov 2015 10:11

Instrument :

BNA\_G

ClientSampleId :

A4J70

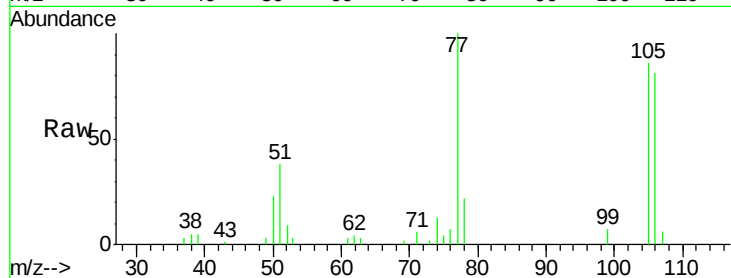
Tgt Ion: 77 Resp: 21260

Ion Ratio Lower Upper

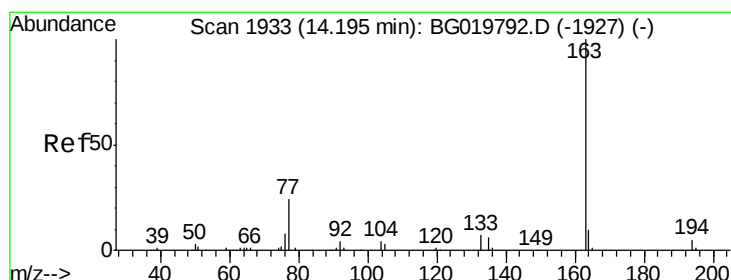
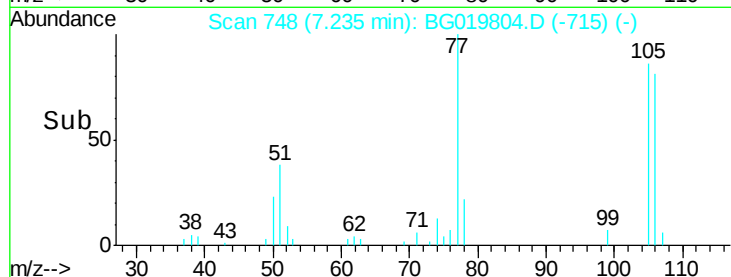
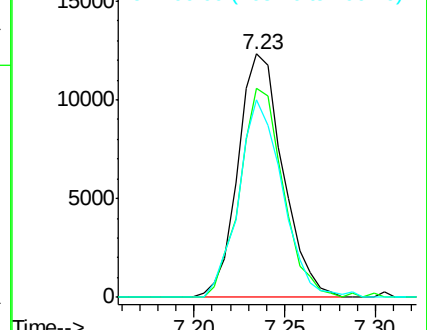
77 100

105 85.8 58.6 88.0

106 81.1 57.7 86.5



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#45

Dimethylphthalate

Concen: 9.45 ng/ul

RT: 14.20 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG019804.D

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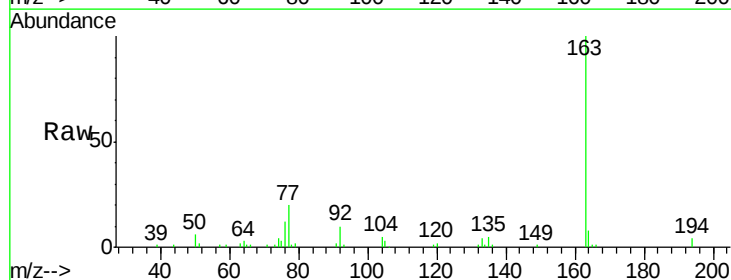
Tgt Ion: 163 Resp: 56200

Ion Ratio Lower Upper

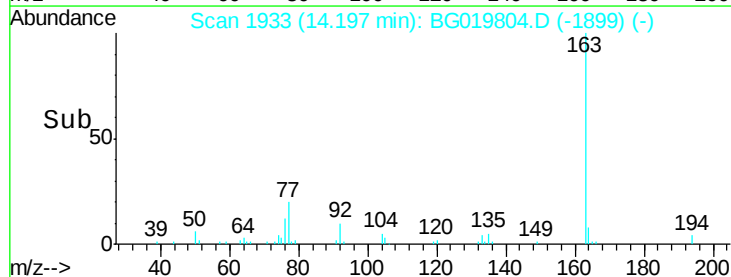
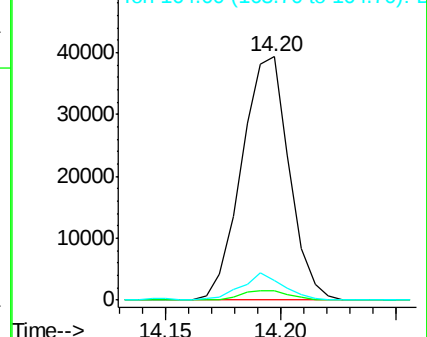
163 100

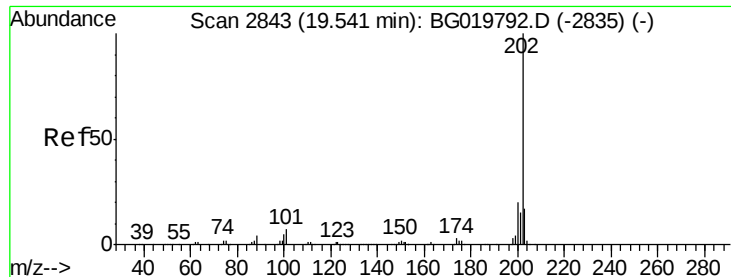
194 3.7 3.5 5.3

164 8.0 8.3 12.5#



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





#77

Fluoranthene

Concen: 1.78 ng/ul

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

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Acq: 23 Nov 2015 10:11

Instrument :

BNA\_G

ClientSampleId :

A4J70

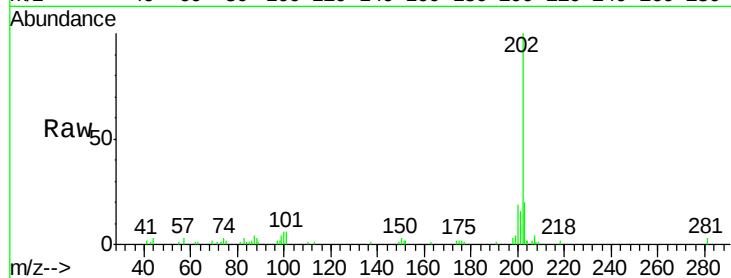
Tgt Ion:202 Resp: 22174

Ion Ratio Lower Upper

202 100

101 5.6 5.2 7.8

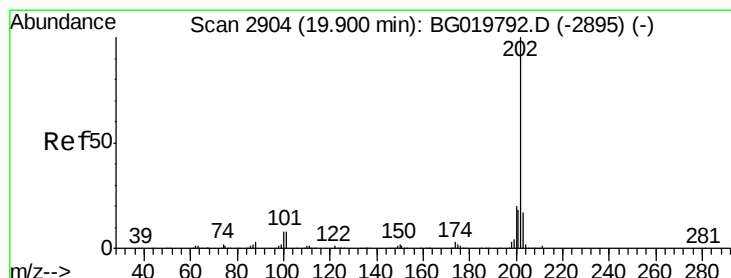
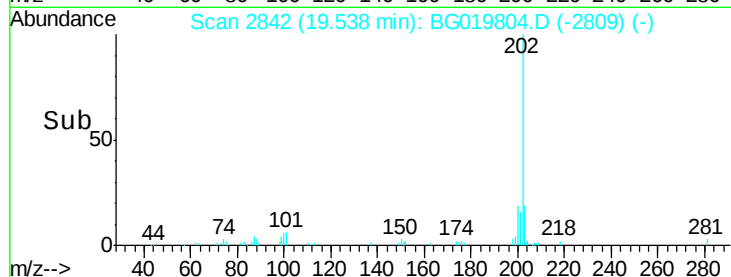
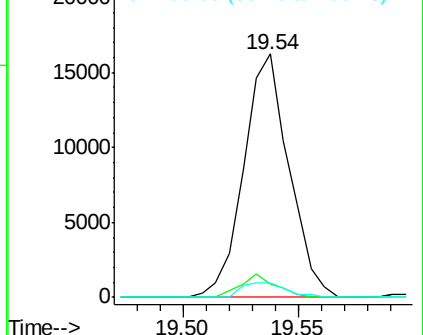
100 6.0 5.0 7.4



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

Pyrene

Concen: 1.90 ng/ul

RT: 19.90 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG019804.D

Acq: 23 Nov 2015 10:11

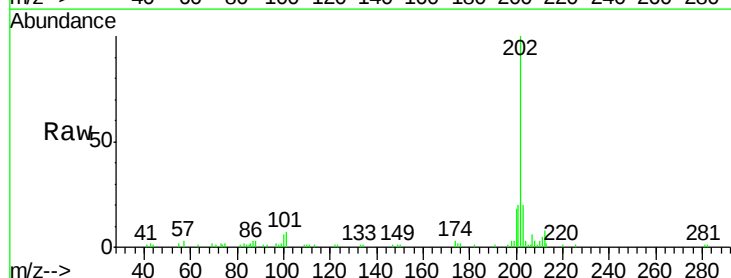
Tgt Ion:202 Resp: 25421

Ion Ratio Lower Upper

202 100

101 7.2 7.0 10.6

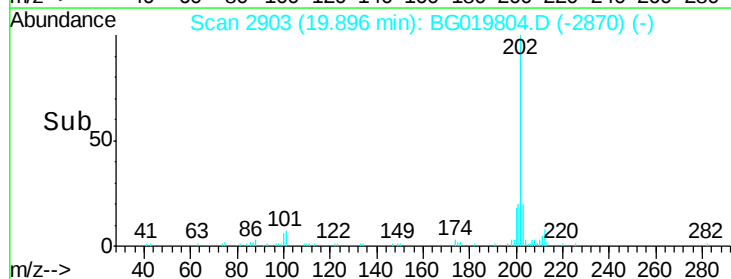
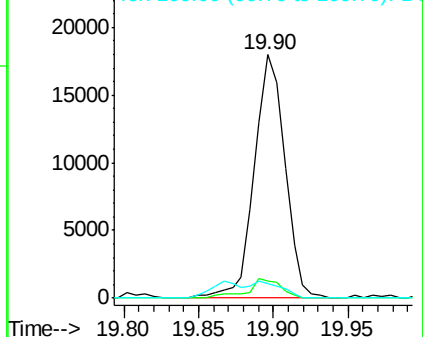
100 5.8 6.6 10.0#

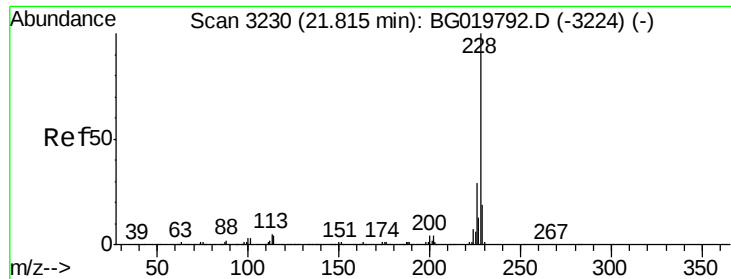


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#85  
 Chrysene  
 Concen: 1.20 ng/ul  
 RT: 21.81 min Scan# 3229  
 Delta R.T. -0.00 min  
 Lab File: BG019804.D  
 Acq: 23 Nov 2015 10:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4J70

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 35.8  | 24.9  | 37.3  |
| 229     | 20.6  | 17.0  | 25.6  |

