

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\  
 Data File : BG018198.D  
 Acq On : 1 Aug 2015 1:41  
 Operator : TP/UM  
 Sample : G3073-11  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 01 05:22:20 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 01 00:52:12 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 34477    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.26 | 136  | 167518   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.15 | 164  | 113166   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.91 | 188  | 253545   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.11 | 240  | 248916   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 252445   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

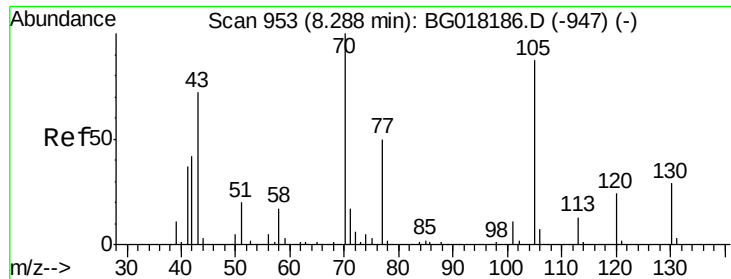
|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.97  | 96  | 2917   | 6.39  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.67  | 99  | 96858  | 31.24 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67  | 50879  | 32.11 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.01  | 132 | 73681  | 31.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.20  | 113 | 81717  | 32.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 38963  | 29.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.35  | 143 | 41820  | 27.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.89  | 165 | 83623  | 31.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.40 | 131 | 85851  | 25.74 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.57 | 166 | 283523 | 32.42 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.84 | 160 | 290013 | 28.60 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.38 | 143 | 44035  | 27.21 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.15 | 176 | 212722 | 26.88 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.28 | 200 | 26812  | 15.15 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.01 | 188 | 304911 | 27.66 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.31 | 212 | 275776 | 22.90 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.15 | 264 | 273881 | 21.45 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 15) N-Nitroso-di-n-propylamine | 8.20  | 70  | 2420   | 1.09  | ng/ul# | 1      |
| 45) Dimethylphthalate          | 13.62 | 163 | 149027 | 17.13 | ng/ul  | 100    |
| 70) Phenanthrene               | 16.95 | 178 | 31692  | 2.46  | ng/ul  | 99     |
| 72) Anthracene                 | 16.95 | 178 | 31692  | 2.47  | ng/ul  | 99     |
| 77) Fluoranthene               | 18.98 | 202 | 34761  | 2.46  | ng/ul  | 97     |
| 80) Pyrene                     | 19.34 | 202 | 28324  | 1.88  | ng/ul  | 96     |
| 85) Chrysene                   | 21.15 | 228 | 13287  | 1.08  | ng/ul  | 98     |
| 88) Benzo(b)fluoranthene       | 22.63 | 252 | 16173  | 1.07  | ng/ul# | 87     |

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





#15

N-Nitroso-di-n-propylamine

Concen: 1.09 ng/ul

RT: 8.20 min Scan# 938

Delta R.T. -0.09 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 2420

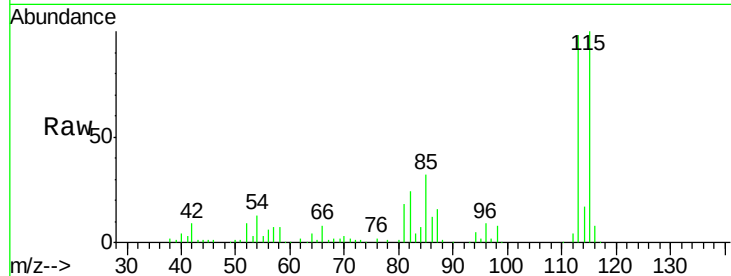
Ion Ratio Lower Upper

70 100

42 274.2 36.5 54.7#

101 0.0 10.2 15.4#

130 0.0 30.7 46.1#

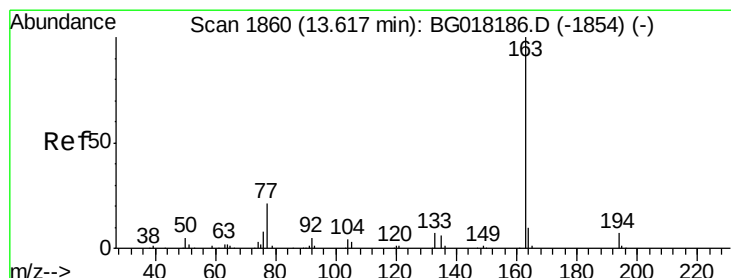
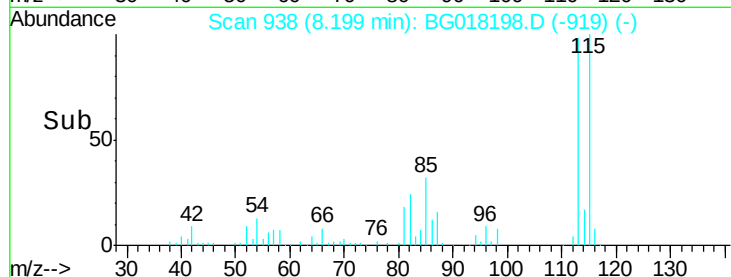
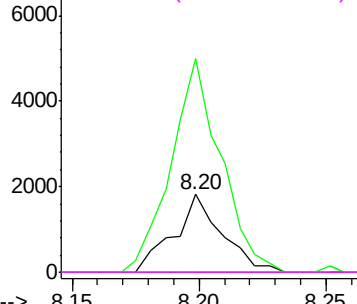


Abundance Ion 70.00 (69.70 to 70.70): BG0

Ion 42.00 (41.70 to 42.70): BG0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#45

Dimethylphthalate

Concen: 17.13 ng/ul

RT: 13.62 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

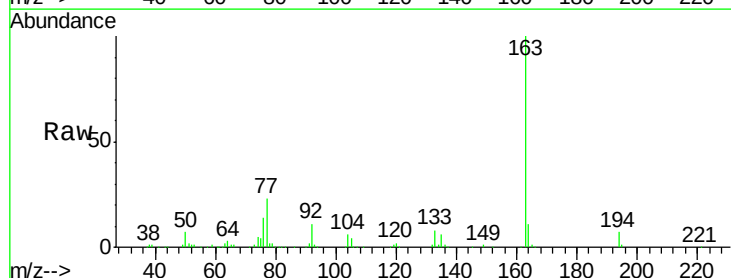
Tgt Ion: 163 Resp: 149027

Ion Ratio Lower Upper

163 100

194 6.7 5.2 7.8

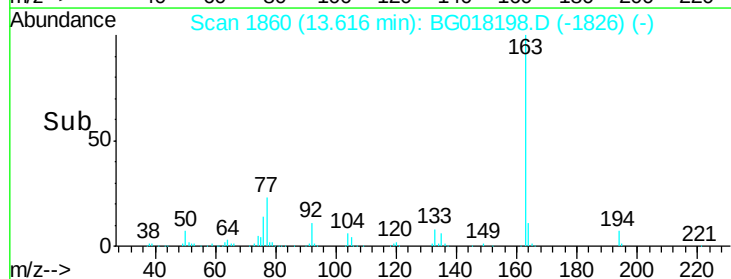
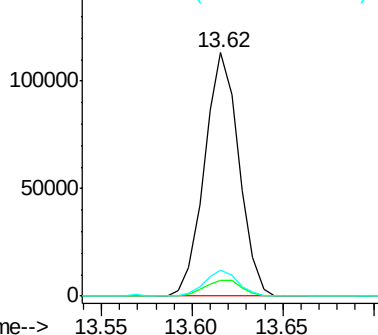
164 10.6 8.4 12.6

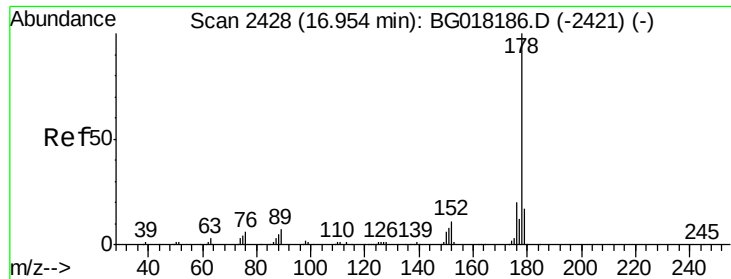


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#70

Phenanthrene

Concen: 2.46 ng/ul

RT: 16.95 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

Instrument :

BNA\_G

ClientSampleId :

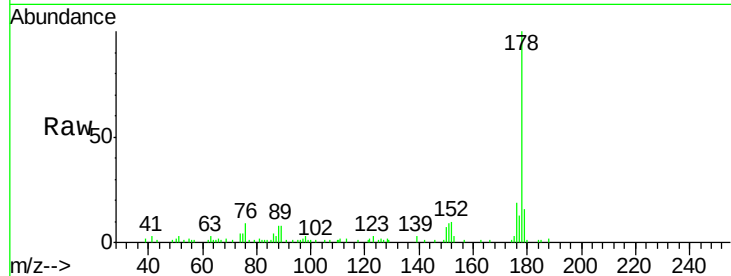
Tot Ion:178 Resp: 31692

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

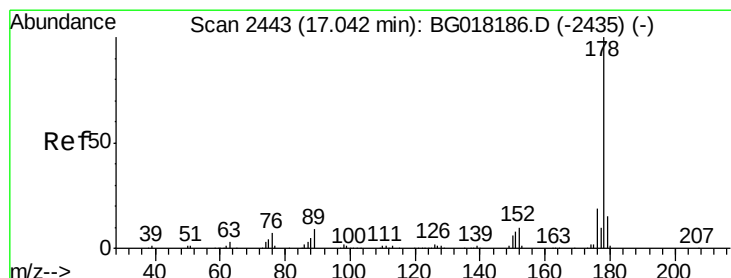
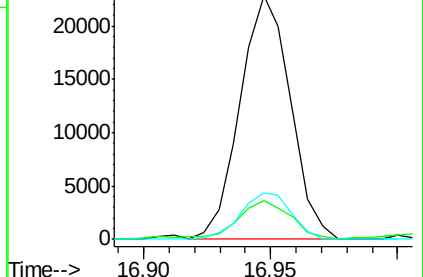
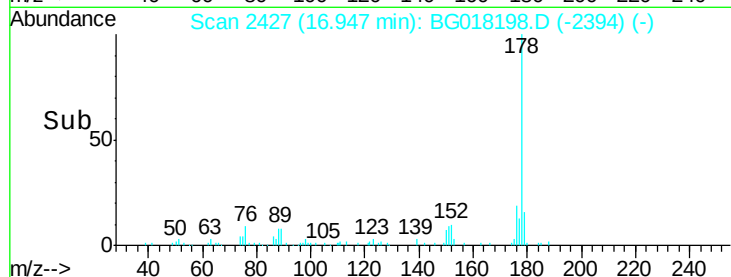
176 19.0 16.0 24.0



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



#72

Anthracene

Concen: 2.47 ng/ul

RT: 16.95 min Scan# 2427

Delta R.T. -0.09 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

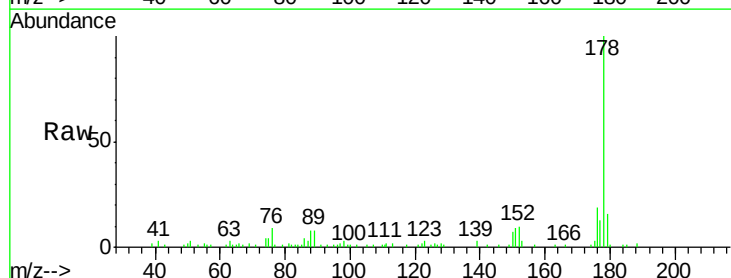
Tgt Ion:178 Resp: 31692

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

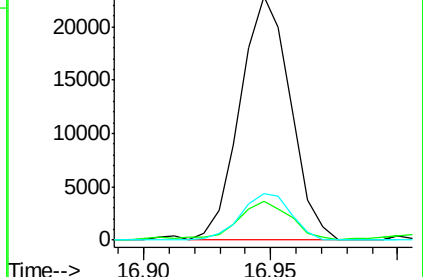
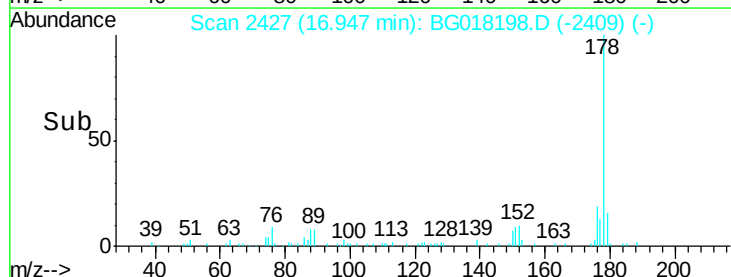
176 19.0 14.8 22.2

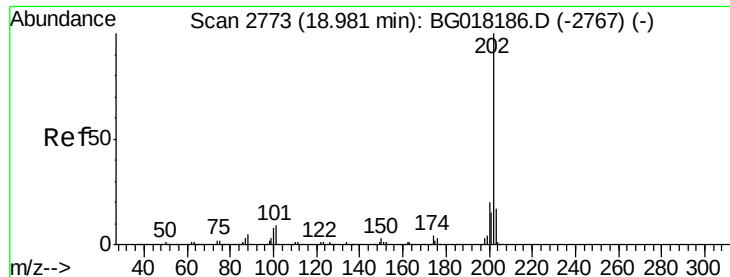


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 2.46 ng/ul

RT: 18.98 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

Instrument :

BNA\_G

ClientSampleId :

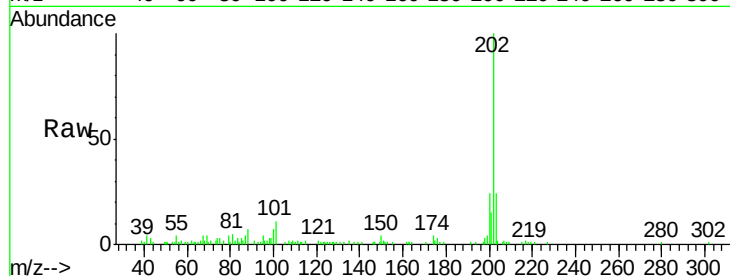
Tot Ion:202 Resp: 34761

Ion Ratio Lower Upper

202 100

101 11.2 7.5 11.3

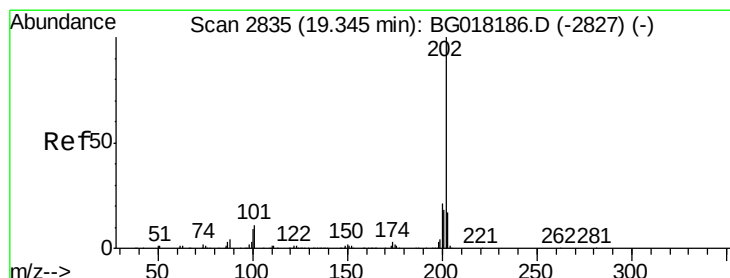
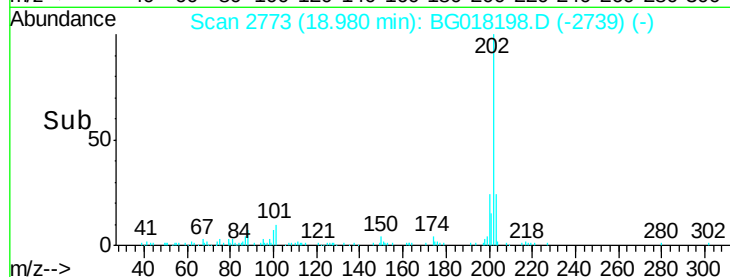
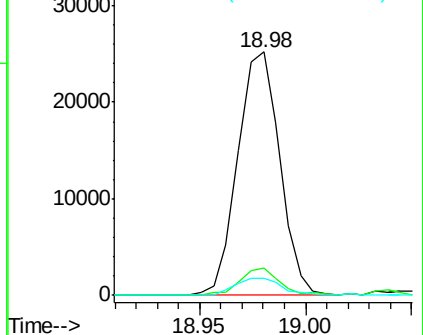
100 7.1 5.5 8.3



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: 1.88 ng/ul

RT: 19.34 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BG018198.D

Acq: 1 Aug 2015 1:41

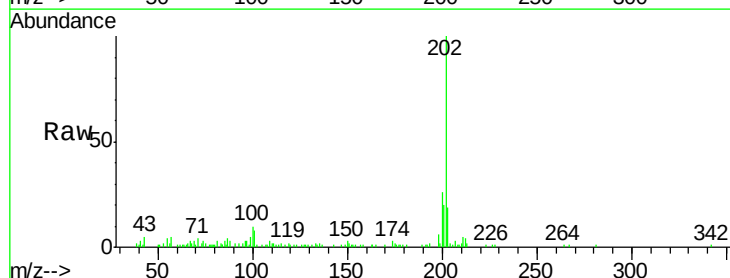
Tgt Ion:202 Resp: 28324

Ion Ratio Lower Upper

202 100

101 8.3 8.1 12.1

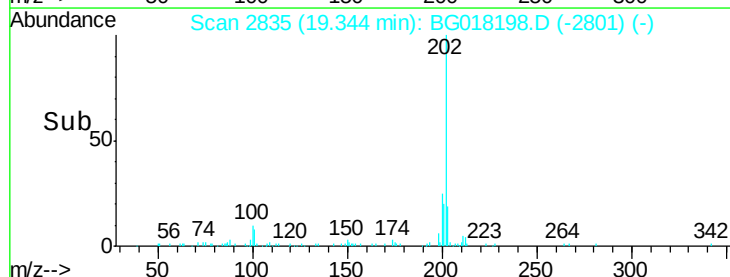
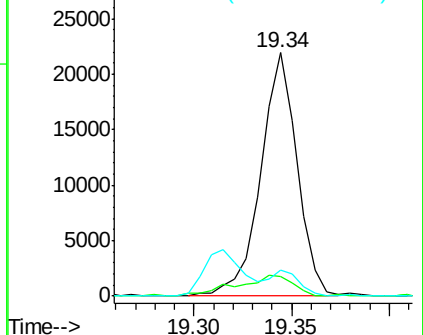
100 10.5 7.4 11.0

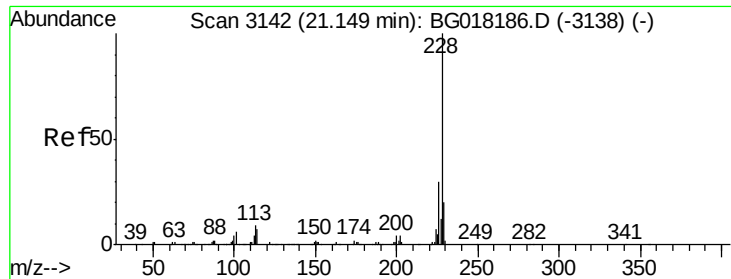


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

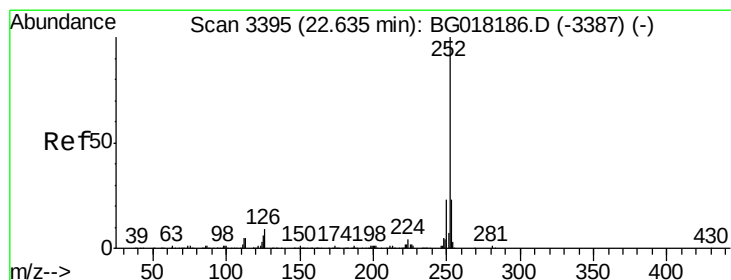
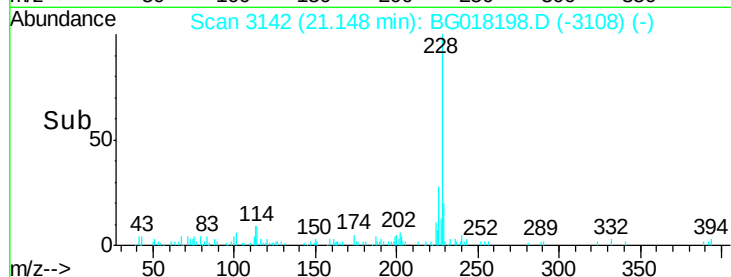
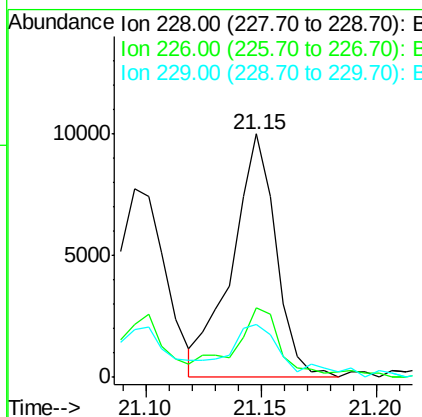
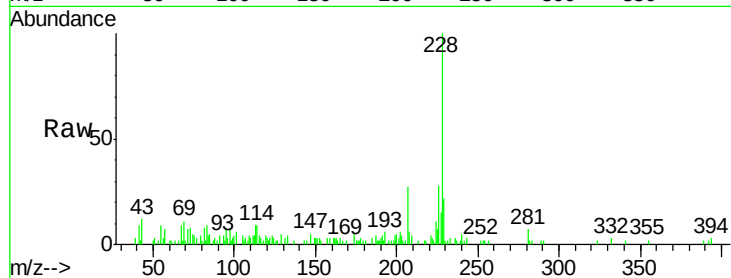




#85  
 Chrysene  
 Concen: 1.08 ng/ul  
 RT: 21.15 min Scan# 3142  
 Delta R.T. -0.00 min  
 Lab File: BG018198.D  
 Acq: 1 Aug 2015 1:41

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.4  | 22.7  | 34.1  |
| 229     | 21.9  | 16.2  | 24.2  |



#88  
 Benzo(b)fluoranthene  
 Concen: 1.07 ng/ul  
 RT: 22.63 min Scan# 3395  
 Delta R.T. -0.00 min  
 Lab File: BG018198.D  
 Acq: 1 Aug 2015 1:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.0  | 18.5  | 27.7# |
| 125     | 14.2  | 7.4   | 11.0# |

