

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081816\  
 Data File : BG023760.D  
 Acq On : 18 Aug 2016 16:39  
 Operator : UM/SJ  
 Sample : PB92914BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK14

Quant Time: Aug 19 01:43:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 01:43:20 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 105441   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.95 | 136  | 447749   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 290850   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.54 | 188  | 696969   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.91 | 240  | 1612     | 20.00 | ng/ul | 0.06     |
| 83) Perylene-d12          | 25.23 | 264  | 742034   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 13793   | 5.94  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 267603  | 27.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 191064  | 28.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 194476  | 27.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.83  | 113 | 202747  | 26.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 102525  | 28.34 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 118923  | 28.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 190400  | 25.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 276497  | 30.30 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 733685  | 30.43 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 792634  | 29.03 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 107170  | 27.50 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 600062  | 28.51 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 113055  | 25.59 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.64 | 188 | 931187  | 28.98 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.03 | 212 | 1239    | 16.02 | ng/ul | 0.11 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 1005129 | 29.59 | ng/ul | 0.00 |

## Target Compounds

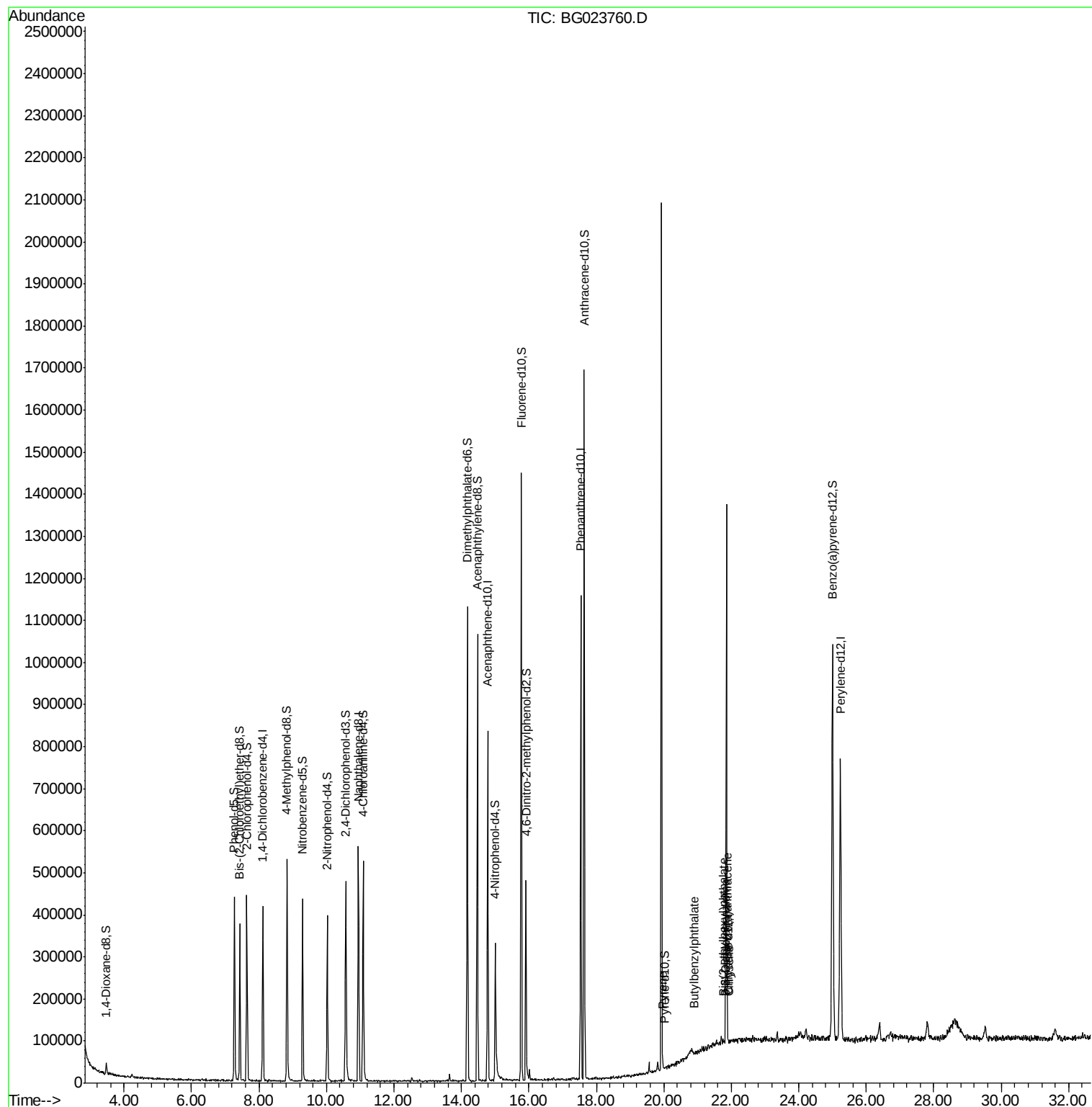
|                                |       |     |      |       | Qvalue |    |
|--------------------------------|-------|-----|------|-------|--------|----|
| 77) Pyrene                     | 19.96 | 202 | 1130 | 11.86 | ng/ul# | 39 |
| 78) Butylbenzylphthalate       | 20.89 | 149 | 594  | 13.78 | ng/ul# | 49 |
| 79) 3,3'-Dichlorobenzidine     | 21.81 | 252 | 281  | 8.77  | ng/ul# | 26 |
| 80) Benzo(a)anthracene         | 21.88 | 228 | 470  | 5.04  | ng/ul# | 32 |
| 81) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 339  | 5.85  | ng/ul# | 52 |
| 82) Chrysene                   | 21.93 | 228 | 306  | 3.65  | ng/ul# | 50 |

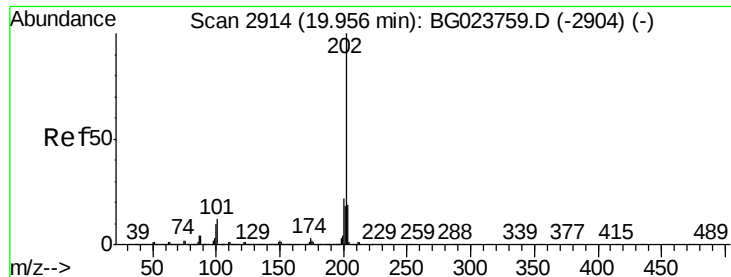
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#77

Pyrene

Concen: 11.86 ng/ul

RT: 19.96 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG023760.D

Acq: 18 Aug 2016 16:39

Instrument :

BNA\_G

ClientSampleId :

SBLK14

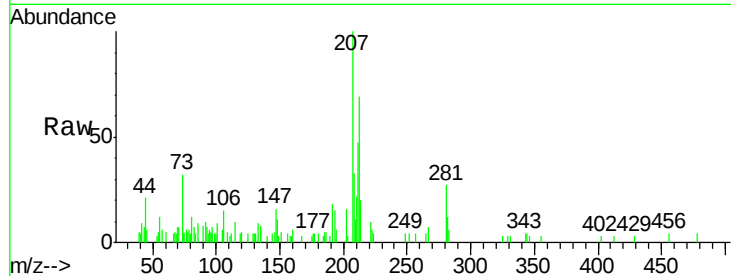
Tgt Ion:202 Resp: 1130

Ion Ratio Lower Upper

202 100

101 53.8 12.5 18.7#

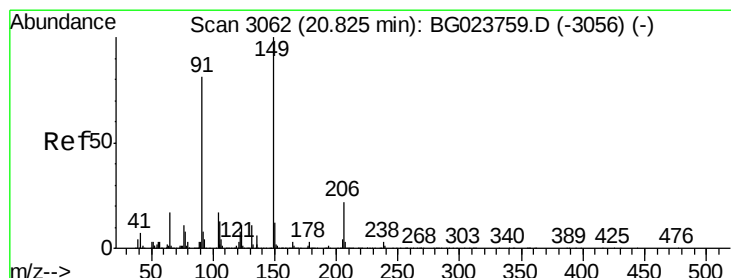
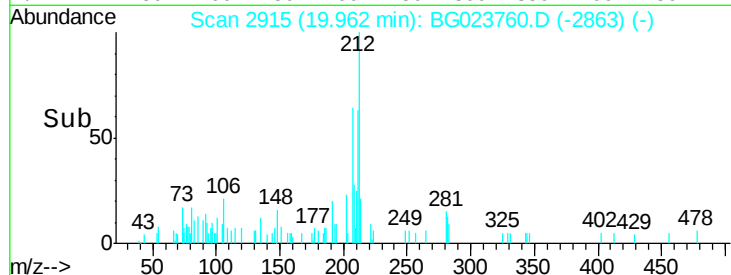
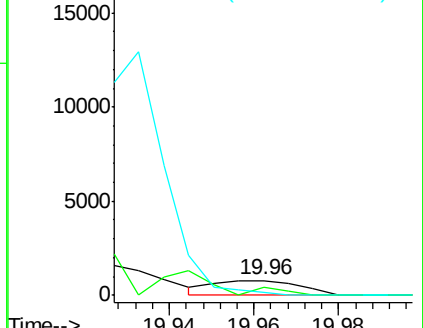
100 22.2 10.2 15.4#



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): E



#78

Butylbenzylphthalate

Concen: 13.78 ng/ul

RT: 20.89 min Scan# 3073

Delta R.T. 0.07 min

Lab File: BG023760.D

Acq: 18 Aug 2016 16:39

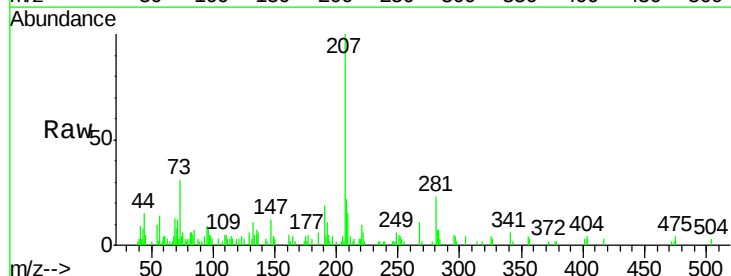
Tgt Ion:149 Resp: 594

Ion Ratio Lower Upper

149 100

91 24.7 54.2 81.4#

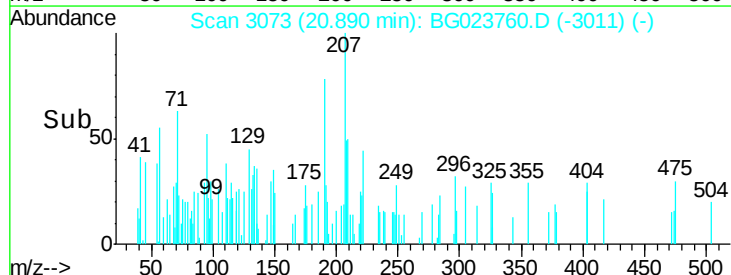
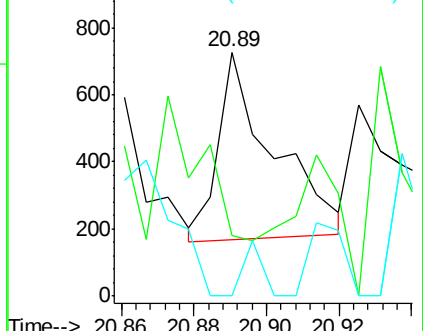
206 0.0 14.1 21.1#

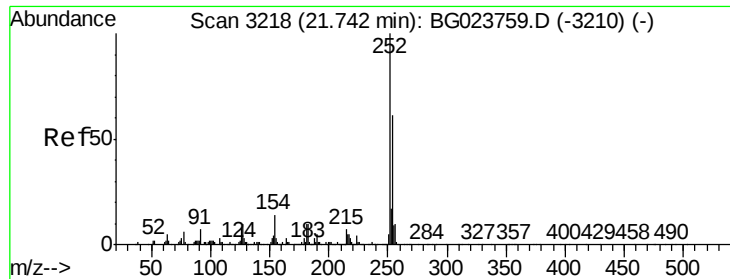


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

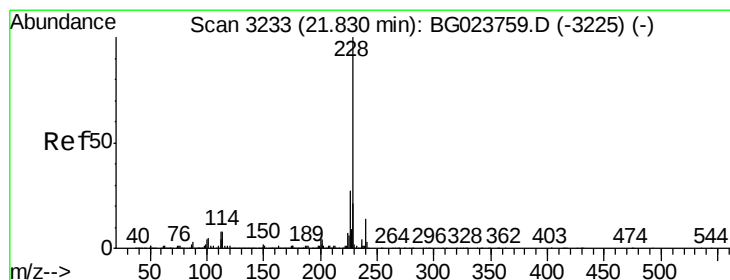
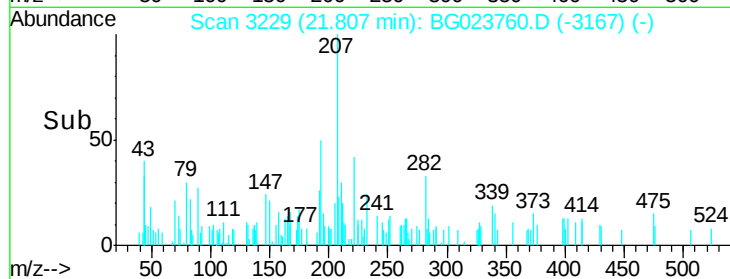
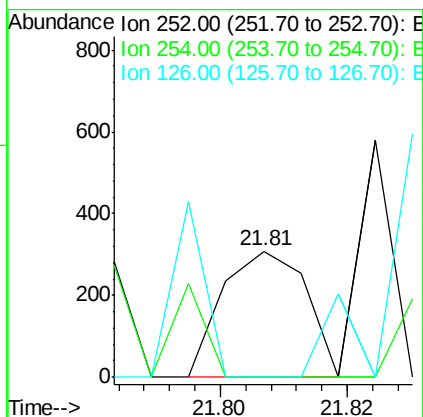
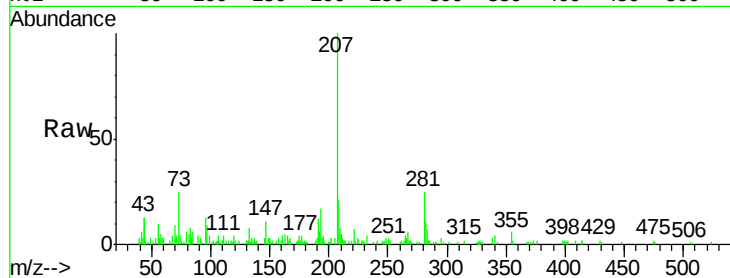




#79  
 3,3'-Dichlorobenzidine  
 Concen: 8.77 ng/ul  
 RT: 21.81 min Scan# 3229  
 Delta R.T. 0.07 min  
 Lab File: BG023760.D  
 Acq: 18 Aug 2016 16:39

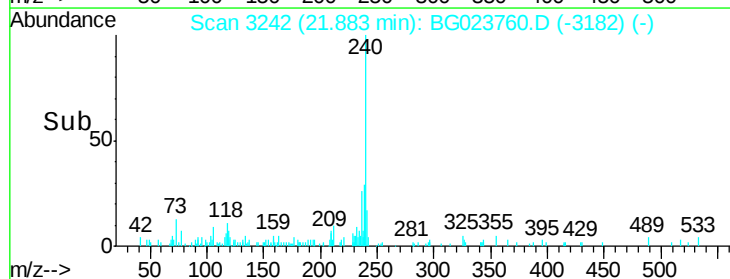
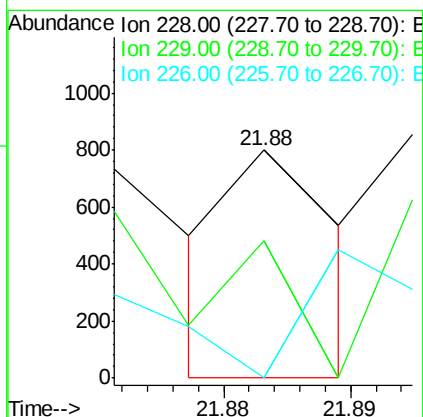
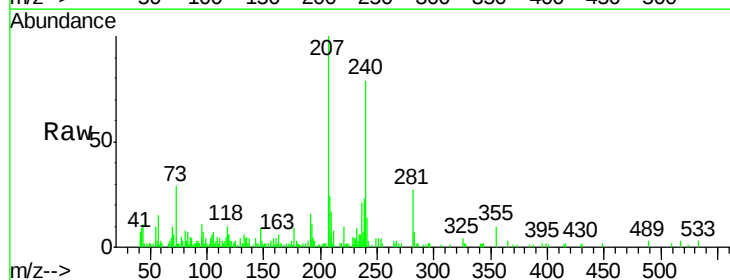
Instrument :  
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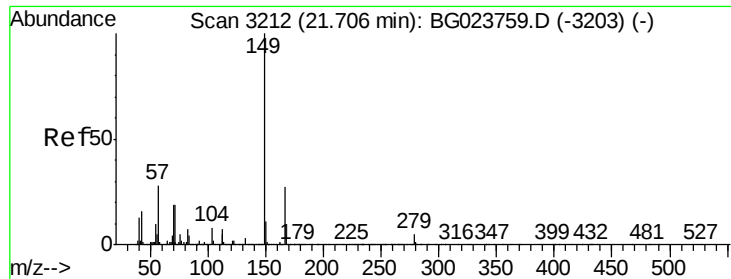
Tgt Ion: 252 Resp: 281  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 51.4 77.2#  
 126 0.0 10.7 16.1#



#80  
 Benzo(a)anthracene  
 Concen: 5.04 ng/ul  
 RT: 21.88 min Scan# 3242  
 Delta R.T. 0.05 min  
 Lab File: BG023760.D  
 Acq: 18 Aug 2016 16:39

Tgt Ion: 228 Resp: 470  
 Ion Ratio Lower Upper  
 228 100  
 229 60.1 15.4 23.2#  
 226 0.0 22.8 34.2#

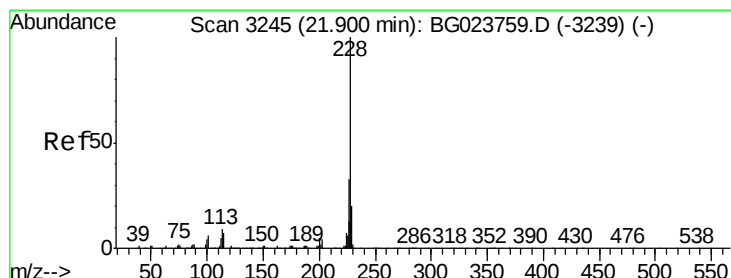
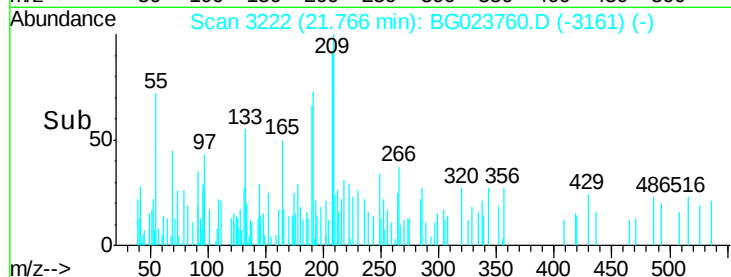
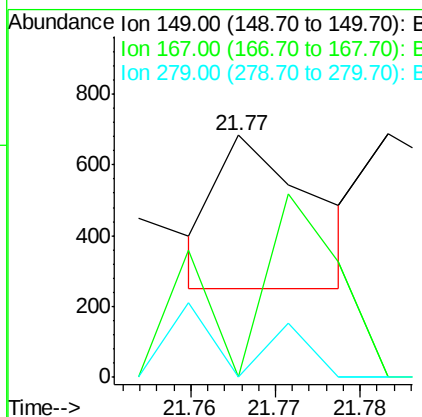
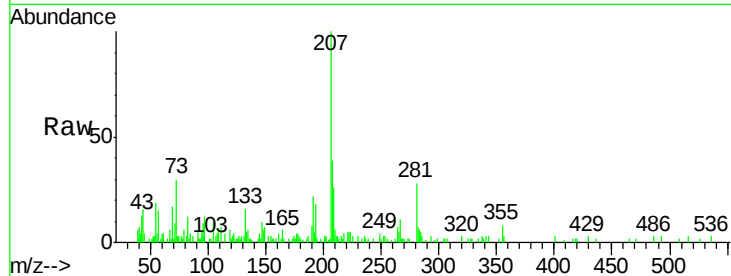




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.85 ng/ul  
 RT: 21.77 min Scan# 3222  
 Delta R.T. 0.06 min  
 Lab File: BG023760.D  
 Acq: 18 Aug 2016 16:39

Instrument :  
 BNA\_G  
 ClientSampled :  
 SBLK14

Tgt Ion:149 Resp: 339  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 21.9 32.9#  
 279 0.0 2.9 4.3#



#82  
 Chrysene  
 Concen: 3.65 ng/ul  
 RT: 21.93 min Scan# 3250  
 Delta R.T. 0.03 min  
 Lab File: BG023760.D  
 Acq: 18 Aug 2016 16:39

Tgt Ion:228 Resp: 306  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 24.2 36.4#  
 229 0.0 15.0 22.6#

