

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080816\  
 Data File : BG023541.D  
 Acq On : 8 Aug 2016 19:33  
 Operator : UM/SJ  
 Sample : H4338-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4V18

Quant Time: Aug 09 04:44:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 09 02:15:40 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 128159   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.95 | 136  | 609777   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 454718   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.54 | 188  | 1145848  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.92 | 240  | 3019     | 20.00 | ng/ul | 0.06     |
| 83) Perylene-d12          | 25.23 | 264  | 1102575  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |          |       |      |
|--------------------------------|-------|-----|---------|----------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 2186    | 0.73     | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 95301   | 7.38     | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 286085  | 34.58    | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 234294  | 26.60    | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 171243  | 16.99    | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 163091  | 33.93    | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 186268  | 33.74    | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 307368  | 29.52    | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 20322   | 1.66     | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 1228655 | 33.00    | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 1421678 | 33.93    | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 39758   | 6.26     | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.77 | 176 | 1147122 | 33.35    | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 228067  | 31.02    | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.64 | 188 | 1743927 | 33.78    | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 1880527 | 12305.62 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 1735817 | 34.78    | ng/ul | 0.00 |

## Target Compounds

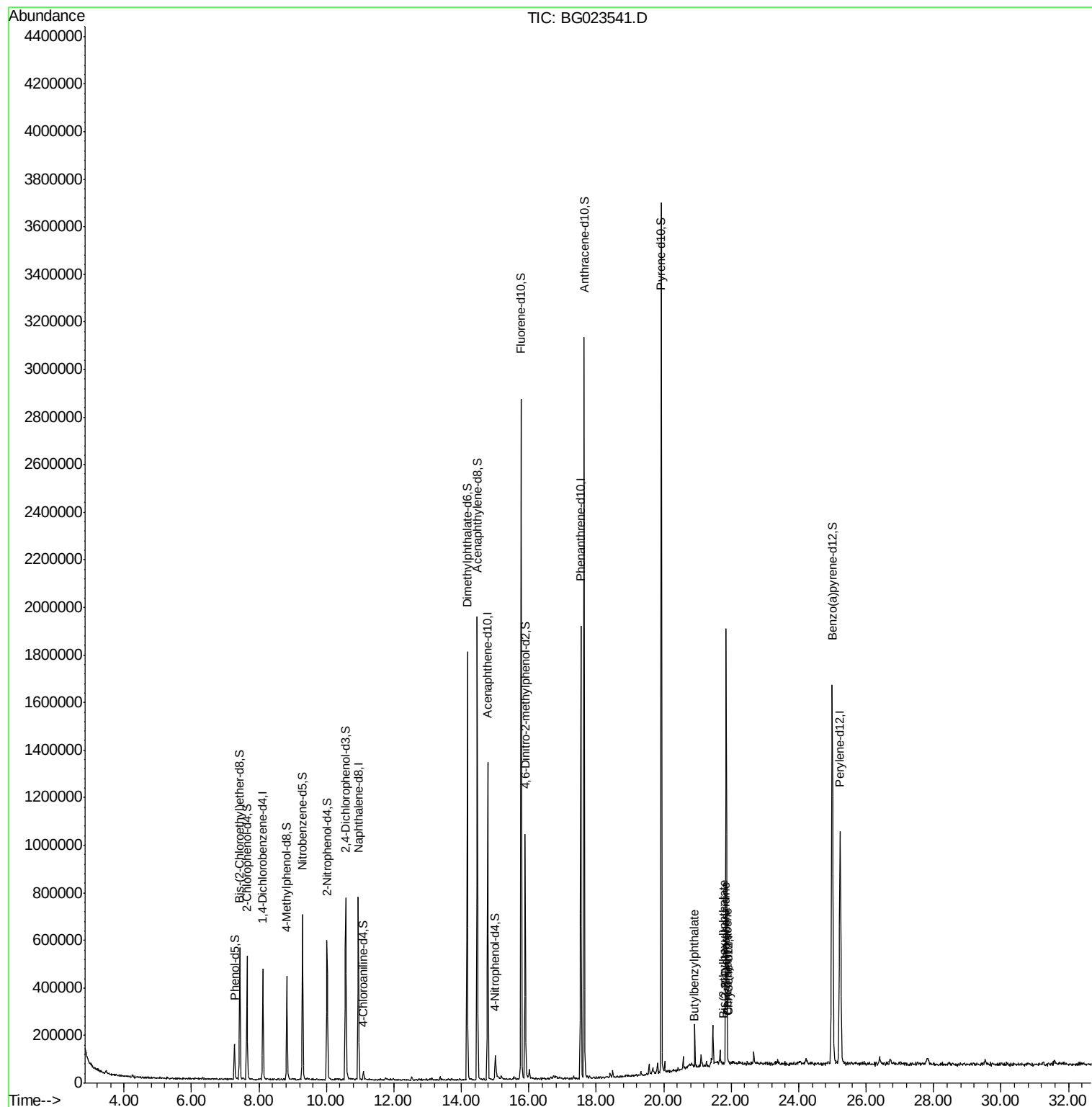
|                                |       |     |     |             | Qvalue |
|--------------------------------|-------|-----|-----|-------------|--------|
| 78) Butylbenzylphthalate       | 20.89 | 149 | 272 | 3.80 ng/ul# | 77     |
| 79) 3,3'-Dichlorobenzidine     | 21.82 | 252 | 197 | 3.70 ng/ul# | 1      |
| 80) Benzo(a)anthracene         | 21.90 | 228 | 904 | 5.32 ng/ul# | 42     |
| 81) Bis(2-ethylhexyl)phthalate | 21.78 | 149 | 373 | 3.92 ng/ul# | 89     |

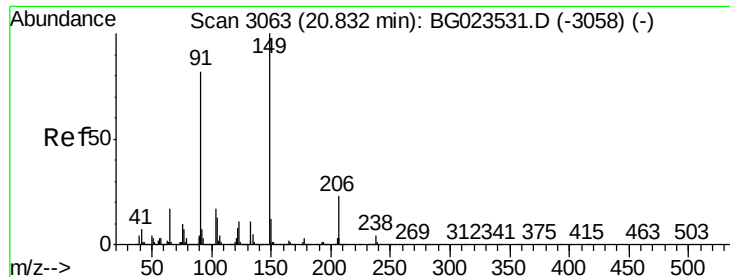
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#78

Butylbenzylphthalate

Concen: 3.80 ng/ul

RT: 20.89 min Scan# 3073

Delta R.T. 0.06 min

Lab File: BG023541.D

Acq: 8 Aug 2016 19:33

Instrument :

BNA\_G

ClientSampleId :

A4V18

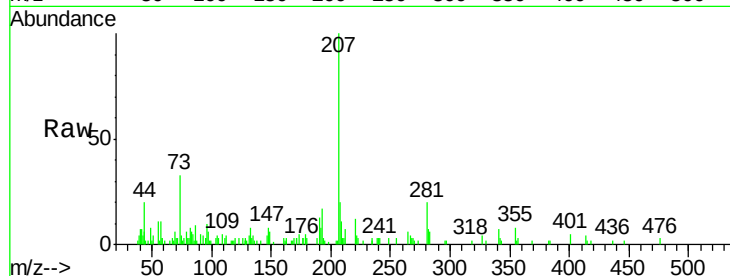
Tgt Ion:149 Resp: 272

Ion Ratio Lower Upper

149 100

91 82.7 54.2 81.4#

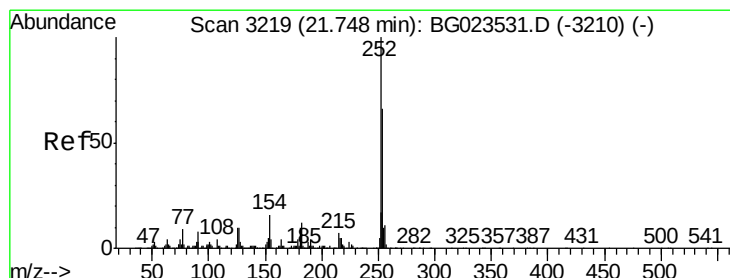
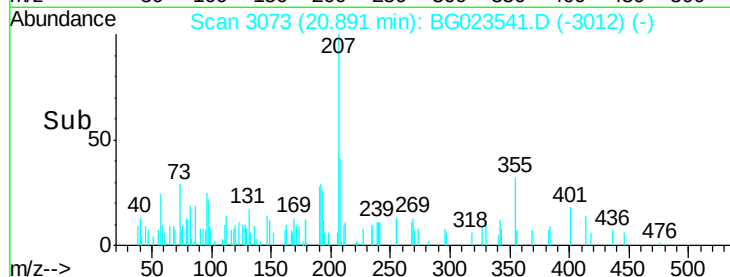
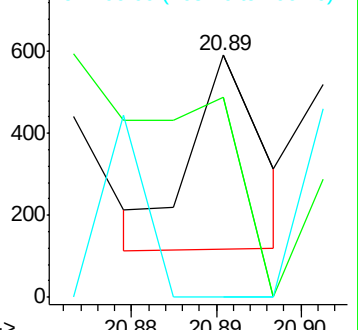
206 0.0 14.1 21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 3.70 ng/ul

RT: 21.82 min Scan# 3231

Delta R.T. 0.07 min

Lab File: BG023541.D

Acq: 8 Aug 2016 19:33

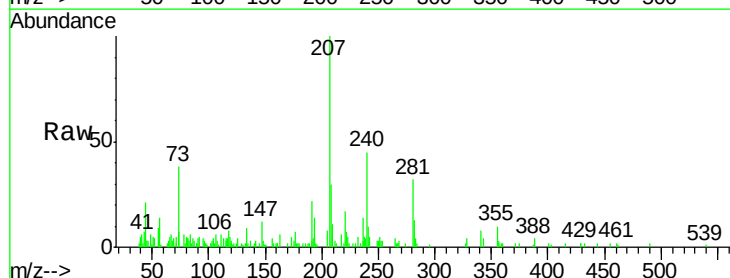
Tgt Ion:252 Resp: 197

Ion Ratio Lower Upper

252 100

254 0.0 51.4 77.2#

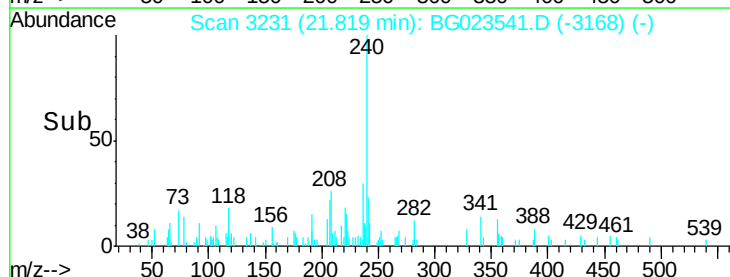
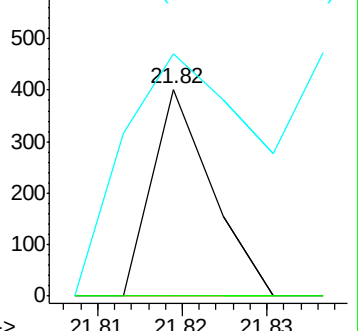
126 116.9 10.7 16.1#

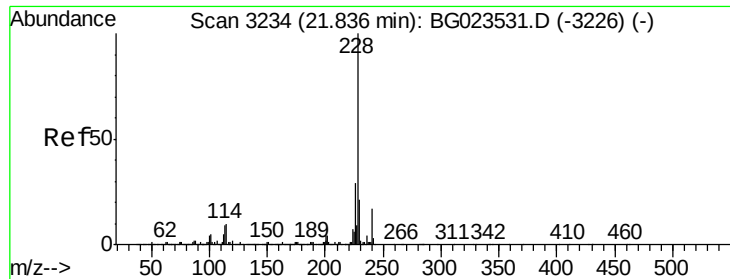


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 5.32 ng/ul

RT: 21.90 min Scan# 3245

Delta R.T. 0.06 min

Lab File: BG023541.D

Acq: 8 Aug 2016 19:33

Instrument :

BNA\_G

ClientSampled :

A4V18

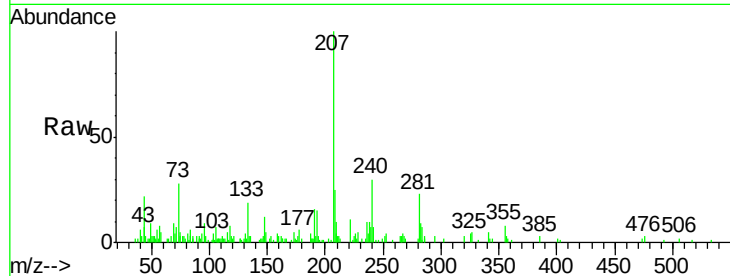
Tgt Ion:228 Resp: 904

Ion Ratio Lower Upper

228 100

229 0.0 15.4 23.2#

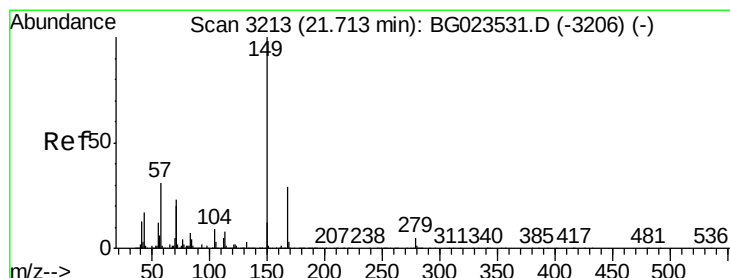
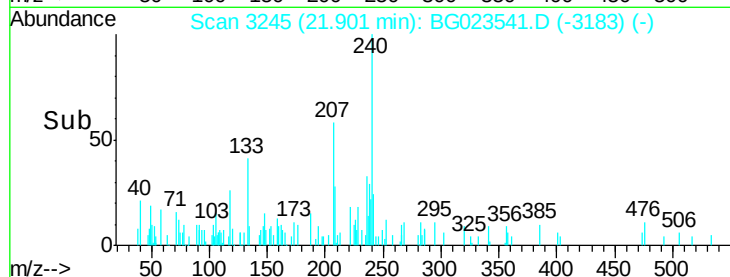
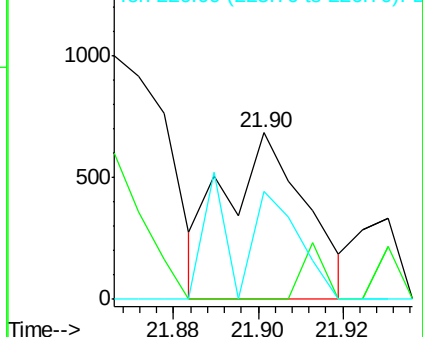
226 64.9 22.8 34.2#



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.92 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. 0.06 min

Lab File: BG023541.D

Acq: 8 Aug 2016 19:33

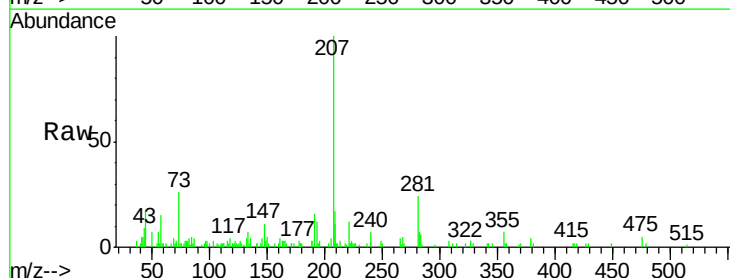
Tgt Ion:149 Resp: 373

Ion Ratio Lower Upper

149 100

167 33.2 21.9 32.9#

279 0.0 2.9 4.3#



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

