

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092515\  
 Data File : BG018921.D  
 Acq On : 26 Sep 2015 20:20  
 Operator : UM/NP  
 Sample : G3690-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC2W1ME

Quant Time: Sep 28 04:35:42 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 28 04:33:51 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 55985    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.79 | 136  | 238434   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.61 | 164  | 156191   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.36 | 188  | 396206   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.61 | 240  | 474068   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.78 | 264  | 490742   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 2882   | 2.47  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.16  | 99  | 59732  | 12.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67  | 37588  | 14.11 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.52  | 132 | 47598  | 13.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.70  | 113 | 47569  | 12.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.14  | 128 | 25317  | 14.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.87  | 143 | 26719  | 14.71 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.41 | 165 | 52179  | 13.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.92 | 131 | 57578  | 12.94 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.02 | 166 | 189254 | 15.06 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.31 | 160 | 218970 | 14.70 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.82 | 143 | 23857  | 9.89  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.60 | 176 | 168763 | 15.35 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.72 | 200 | 32277  | 17.21 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.45 | 188 | 272111 | 15.60 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.73 | 212 | 304919 | 13.98 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.56 | 264 | 343132 | 14.37 | ng/ul | 0.00 |

## Target Compounds

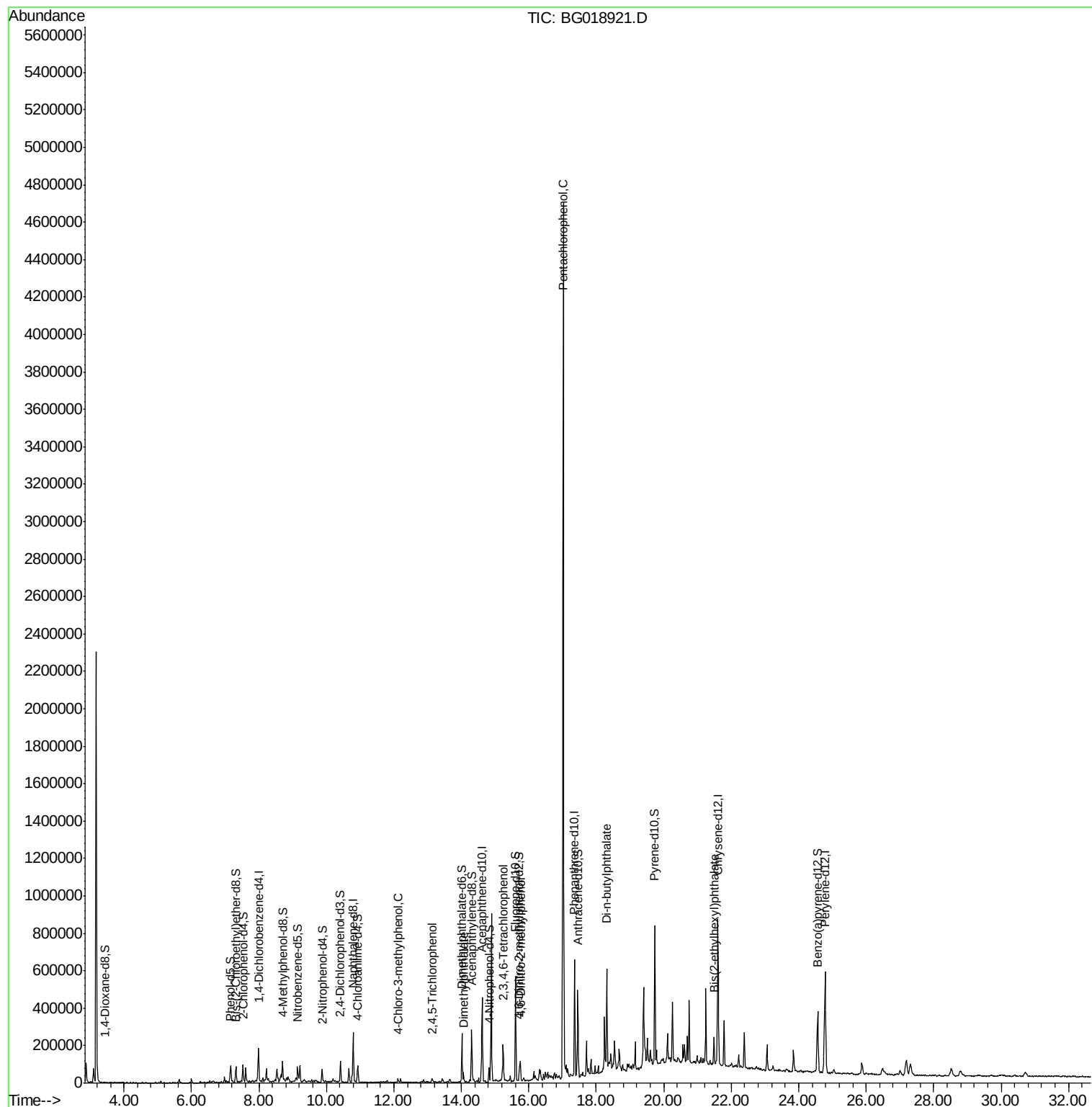
|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 33) 4-Chloro-3-methylphenol    | 12.12 | 107 | 4259    | 1.04   | ng/ul# | 18     |
| 40) 2,4,5-Trichlorophenol      | 13.13 | 196 | 4821    | 1.42   | ng/ul  | 95     |
| 45) Dimethylphthalate          | 14.06 | 163 | 35013   | 2.87   | ng/ul  | 97     |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.24 | 232 | 47097   | 14.40  | ng/ul# | 90     |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 26669   | 13.86  | ng/ul# | 54     |
| 69) Pentachlorophenol          | 17.02 | 266 | 1028744 | 410.00 | ng/ul  | 98     |
| 76) Di-n-butylphthalate        | 18.31 | 149 | 419086  | 18.49  | ng/ul# | 99     |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 66886   | 4.22   | ng/ul  | 100    |

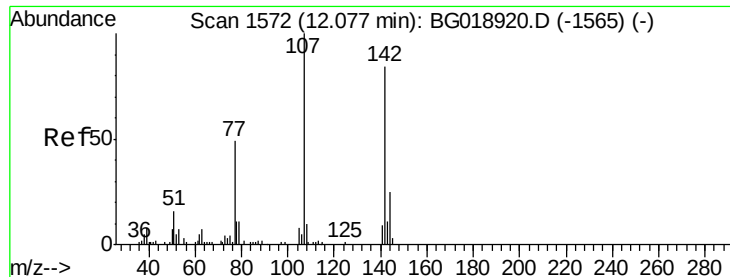
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
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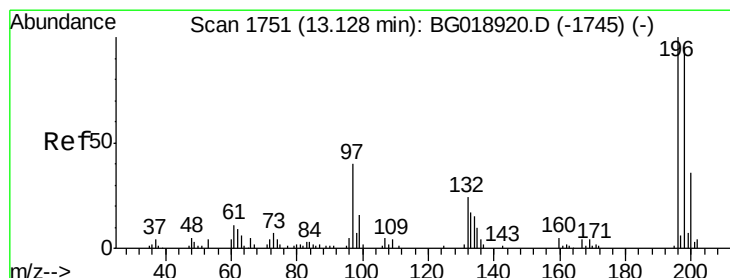
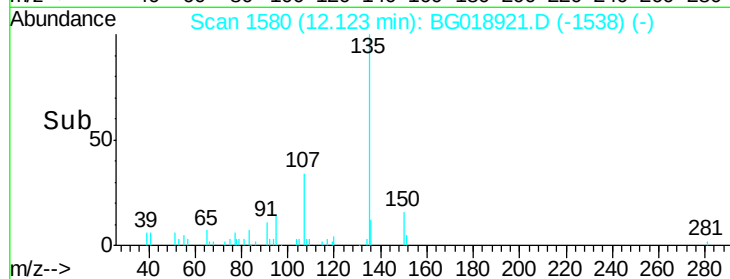
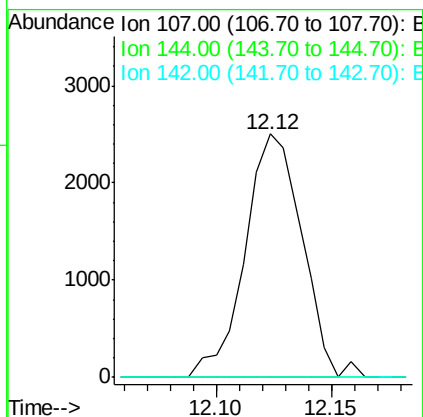
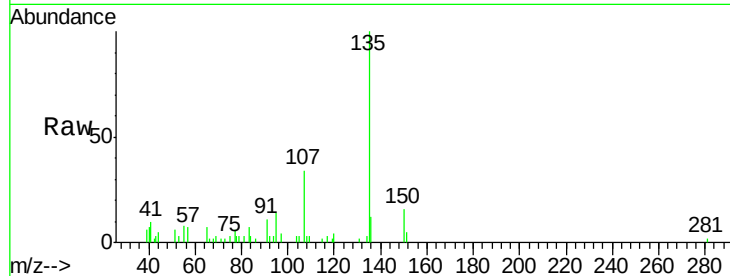




#33  
 4-Chloro-3-methylphenol  
 Concen: 1.04 ng/ul  
 RT: 12.12 min Scan# 1580  
 Delta R.T. 0.05 min  
 Lab File: BG018921.D  
 Acq: 26 Sep 2015 20:20

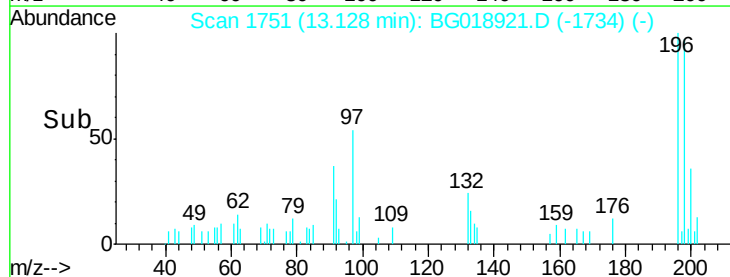
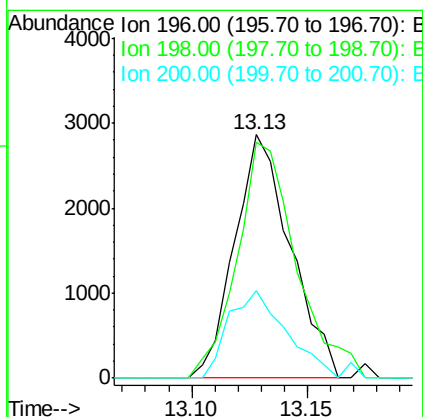
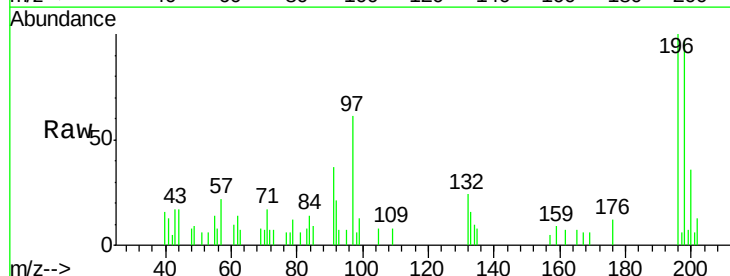
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC2W1ME

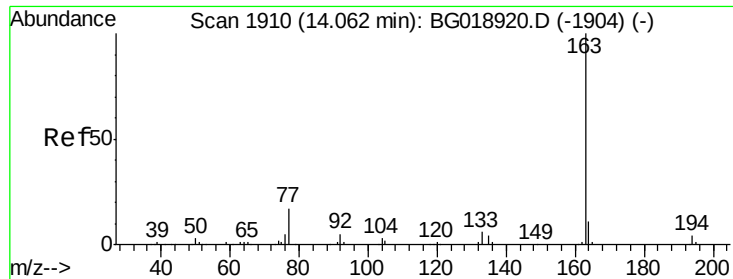
Tot Ion:107 Resp: 4259  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 21.4 32.2#  
 142 0.0 66.0 99.0#



#40  
 2,4,5-Trichlorophenol  
 Concen: 1.42 ng/ul  
 RT: 13.13 min Scan# 1751  
 Delta R.T. -0.00 min  
 Lab File: BG018921.D  
 Acq: 26 Sep 2015 20:20

Tgt Ion:196 Resp: 4821  
 Ion Ratio Lower Upper  
 196 100  
 198 96.9 74.2 111.4  
 200 35.7 25.2 37.8

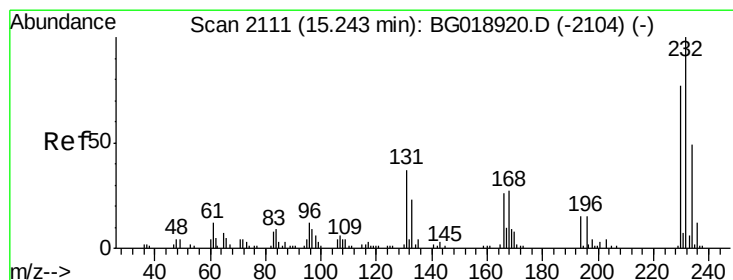
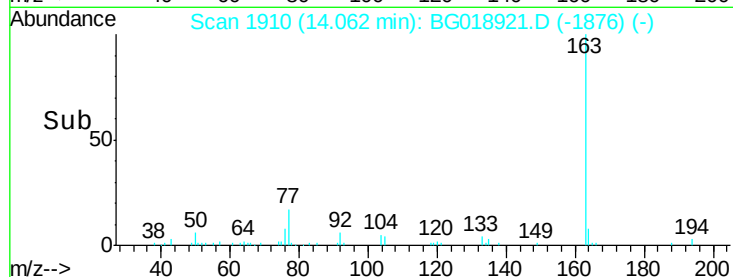
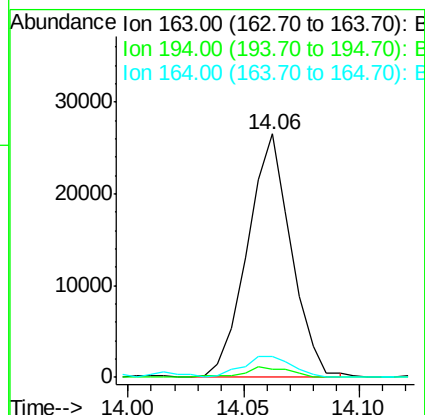
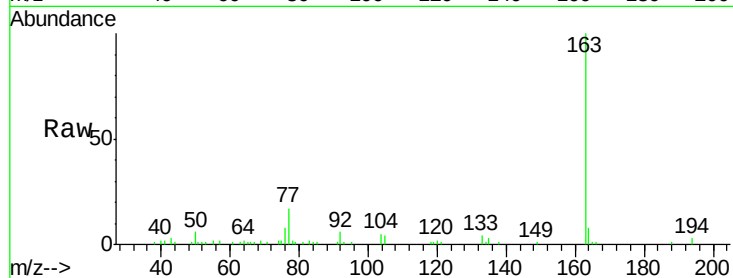




#45  
Dimethylphthalate  
Concen: 2.87 ng/ul  
RT: 14.06 min Scan# 1910  
Delta R.T. -0.00 min  
Lab File: BG018921.D  
Acq: 26 Sep 2015 20:20

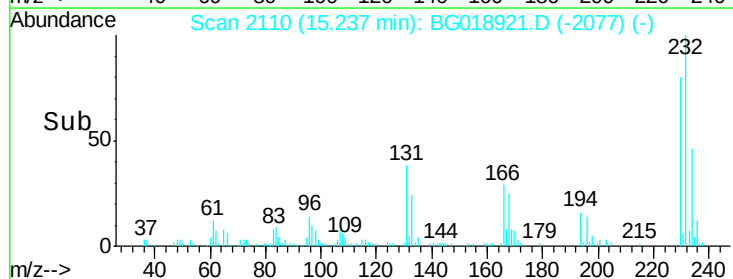
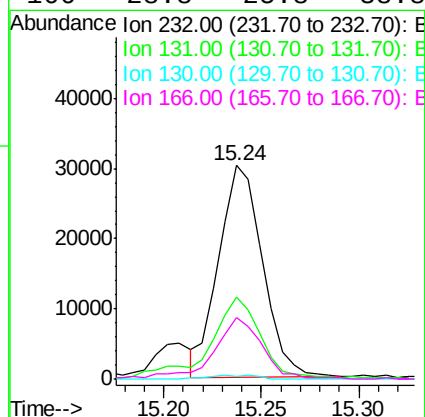
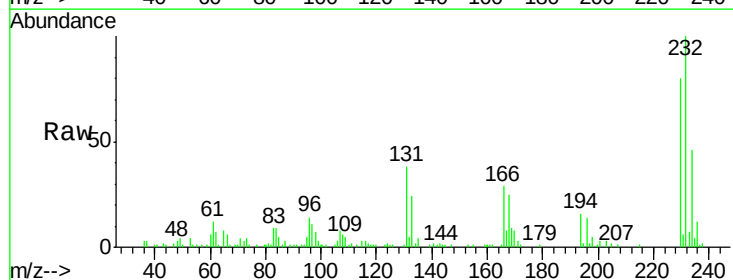
Instrument :  
BNA\_G  
ClientSampleId :  
BC2W1ME

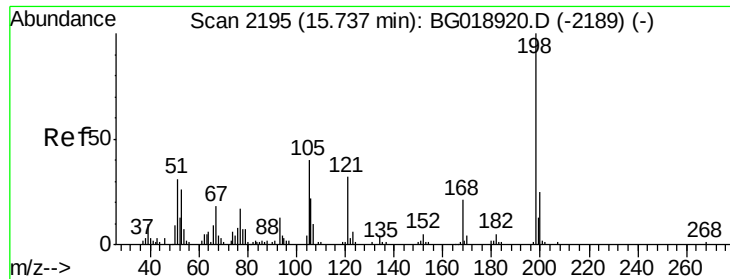
Tot Ion:163 Resp: 35013  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.9 4.3  
164 8.4 7.7 11.5



#56  
2,3,4,6-Tetrachlorophenol  
Concen: 14.40 ng/ul  
RT: 15.24 min Scan# 2110  
Delta R.T. -0.01 min  
Lab File: BG018921.D  
Acq: 26 Sep 2015 20:20

Tgt Ion:232 Resp: 47097  
Ion Ratio Lower Upper  
232 100  
131 38.2 37.4 56.0  
130 1.3 1.4 2.0#  
166 28.8 25.8 38.8

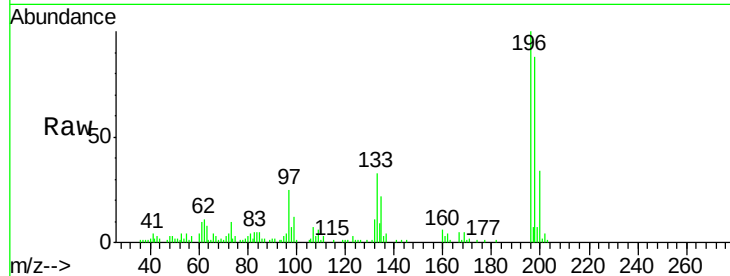




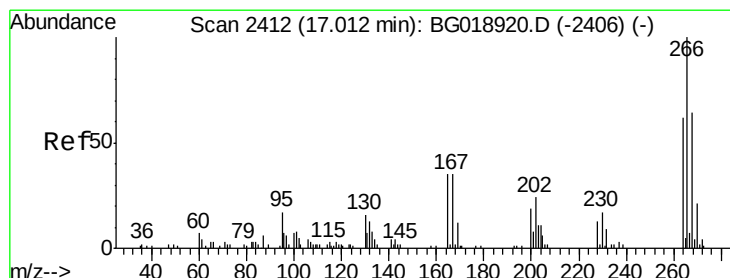
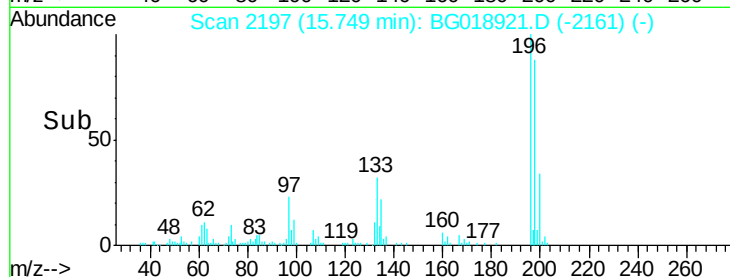
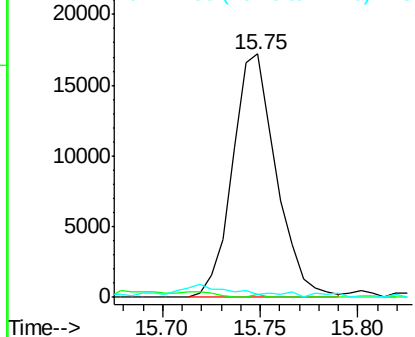
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 13.86 ng/ul  
 RT: 15.75 min Scan# 2197  
 Delta R.T. 0.01 min  
 Lab File: BG018921.D  
 Acq: 26 Sep 2015 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC2W1ME

Tot Ion:198 Resp: 26669  
 Ion Ratio Lower Upper  
 198 100  
 182 1.0 3.4 5.0#  
 77 1.0 22.4 33.6#

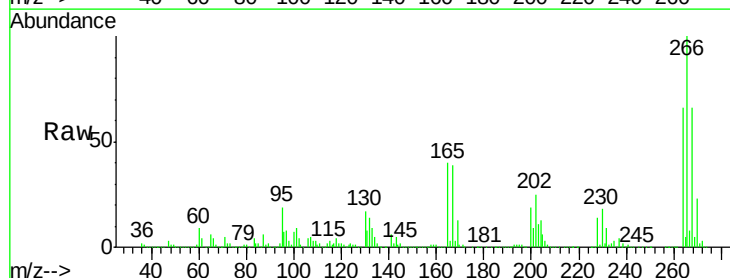


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): B

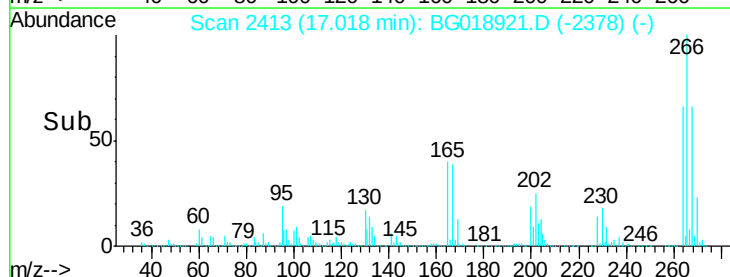
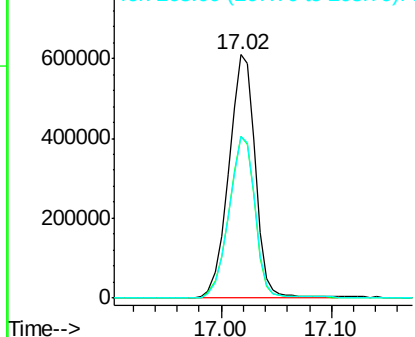


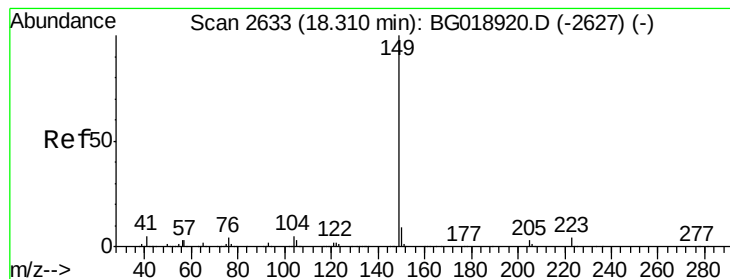
#69  
 Pentachlorophenol  
 Concen: 410.00 ng/ul  
 RT: 17.02 min Scan# 2413  
 Delta R.T. 0.01 min  
 Lab File: BG018921.D  
 Acq: 26 Sep 2015 20:20

Tgt Ion:266 Resp: 1028744  
 Ion Ratio Lower Upper  
 266 100  
 264 66.3 55.4 83.0  
 268 66.2 53.6 80.4



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E





#76

Di-n-butylphthalate

Concen: 18.49 ng/ul

RT: 18.31 min Scan# 2633

Delta R.T. -0.00 min

Lab File: BG018921.D

Acq: 26 Sep 2015 20:20

Instrument :

BNA\_G

ClientSampleId :

BC2W1ME

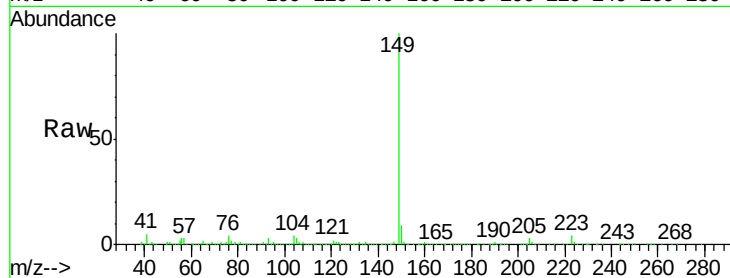
Tot Ion:149 Resp: 419086

Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

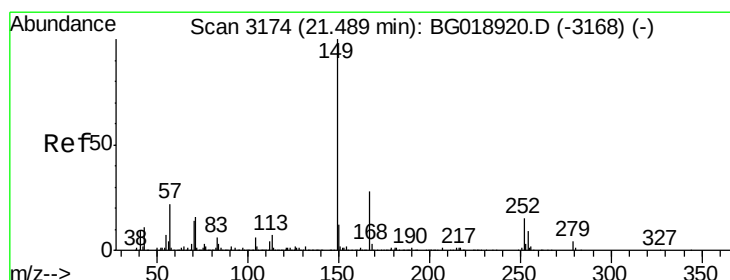
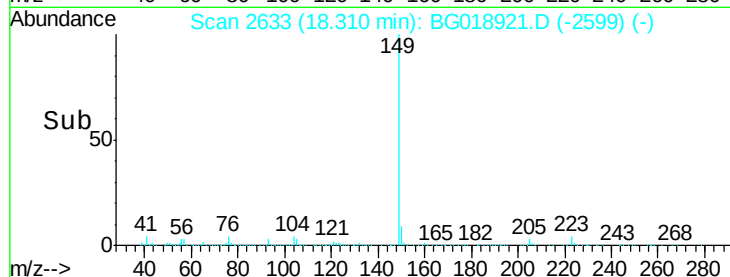
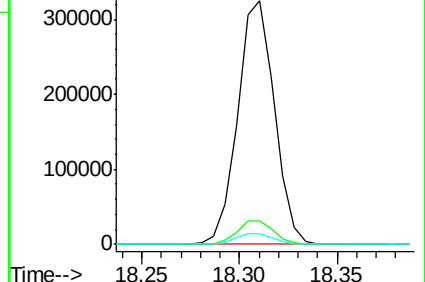
104 4.2 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.22 ng/ul

RT: 21.49 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG018921.D

Acq: 26 Sep 2015 20:20

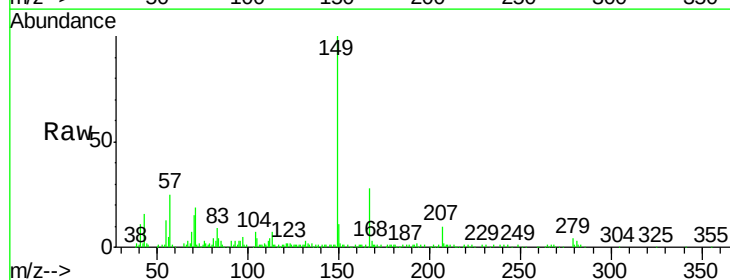
Tgt Ion:149 Resp: 66886

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

279 3.9 2.8 4.2



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

