

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\  
 Data File : BG028263.D  
 Acq On : 10 Aug 2017 18:04  
 Operator : SJ/JU  
 Sample : I4630-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AA4

Quant Time: Aug 11 01:11:08 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 11 01:09:14 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 38852    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.17 | 136  | 168913   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.96 | 164  | 118890   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.81 | 188  | 516820   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.03 | 240  | 323152   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.53 | 264  | 307432   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.85  | 96  | 5306   | 6.36  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.50  | 99  | 34266  | 8.03  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.67  | 67  | 79644  | 29.47 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.89  | 132 | 75727  | 28.13 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.05  | 113 | 59820  | 16.77 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.52  | 128 | 47337  | 35.84 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.25 | 143 | 53269  | 36.78 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.79 | 165 | 96956  | 32.36 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.28 | 131 | 28414  | 8.52  | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6       | 14.35 | 166 | 354654 | 33.54 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 389651 | 32.68 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.16 | 143 | 16254  | 9.67  | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.95 | 176 | 302634 | 31.90 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 69850  | 20.81 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.81 | 188 | 516820 | 20.85 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 20.08 | 212 | 593325 | 35.80 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 25.30 | 264 | 534201 | 37.12 | ng/ul | 0.00  |

## Target Compounds

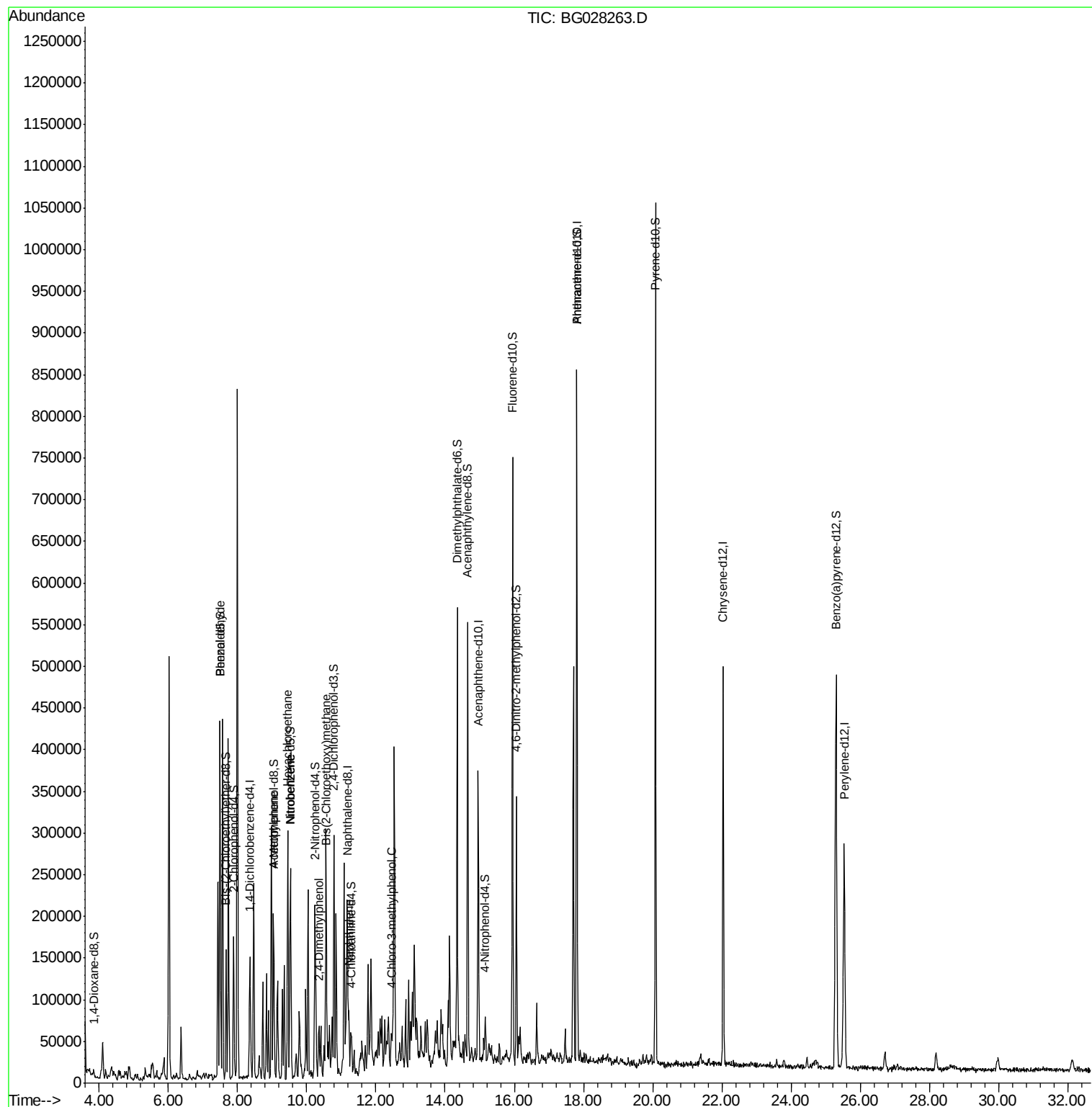
|                                |       |     |       |        | Ovalue |    |
|--------------------------------|-------|-----|-------|--------|--------|----|
| 4) Benzaldehyde                | 7.49  | 77  | 34316 | 13.916 | ng/ul# | 1  |
| 14) Acetophenone               | 9.04  | 105 | 11571 | 2.275  | ng/ul  | 83 |
| 17) Hexachloroethane           | 9.45  | 117 | 30536 | 28.092 | ng/ul# | 1  |
| 20) Nitrobenzene               | 9.54  | 77  | 6201  | 1.622  | ng/ul# | 1  |
| 24) 2,4-Dimethylphenol         | 10.35 | 107 | 6697  | 1.843  | ng/ul  | 95 |
| 25) Bis(2-Chloroethoxy)methane | 10.58 | 93  | 10307 | 2.605  | ng/ul# | 61 |
| 28) Naphthalene                | 11.22 | 128 | 15188 | 1.815  | ng/ul# | 73 |
| 33) 4-Chloro-3-methylphenol    | 12.44 | 107 | 10892 | 3.128  | ng/ul# | 26 |

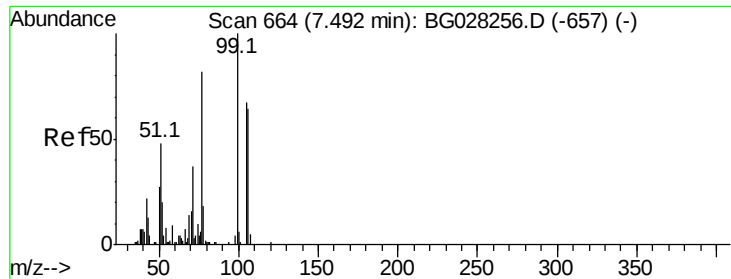
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 13.916 ng/ul

RT: 7.49 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

Instrument :

BNA\_G

ClientSampleId :

C0AA4

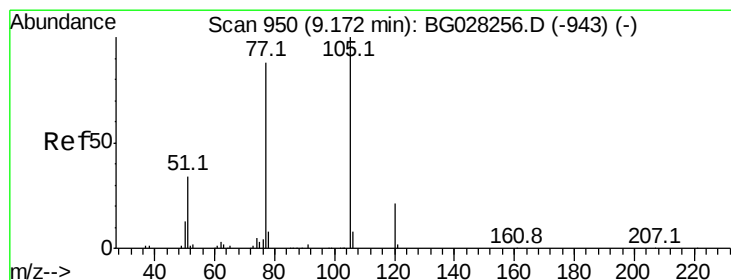
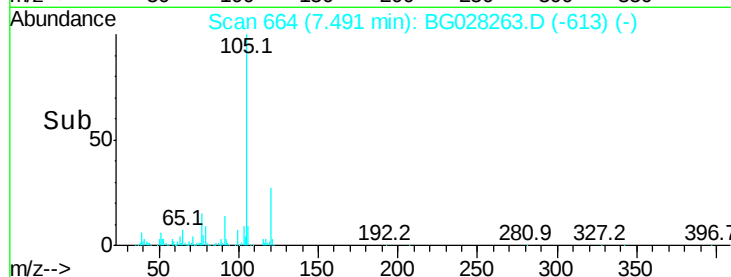
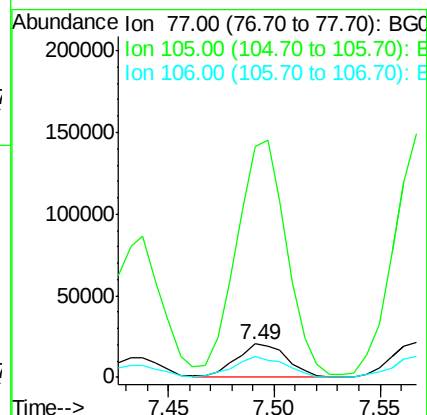
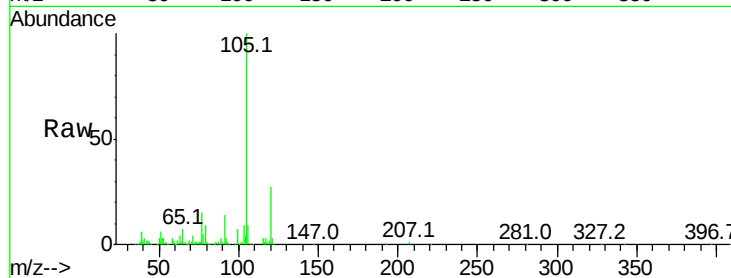
Tot Ion: 77 Resp: 34316

Ion Ratio Lower Upper

77 100

105 688.2 62.0 93.0#

106 61.6 60.2 90.4



#14

Acetophenone

Concen: 2.275 ng/ul

RT: 9.04 min Scan# 927

Delta R.T. -0.14 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

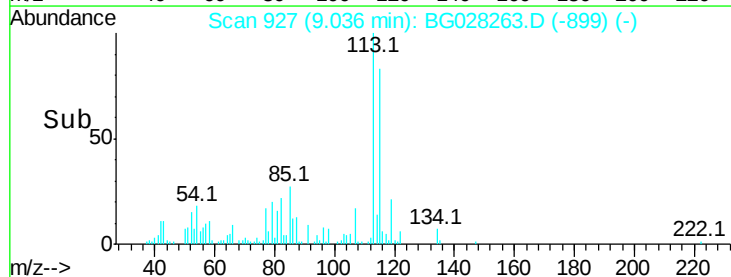
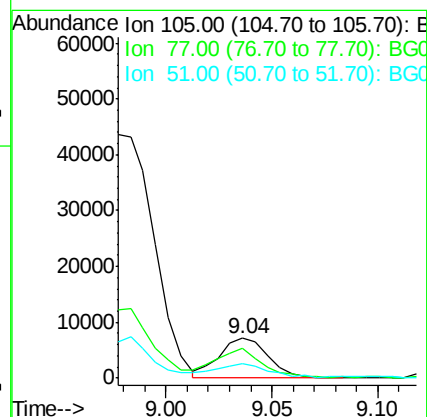
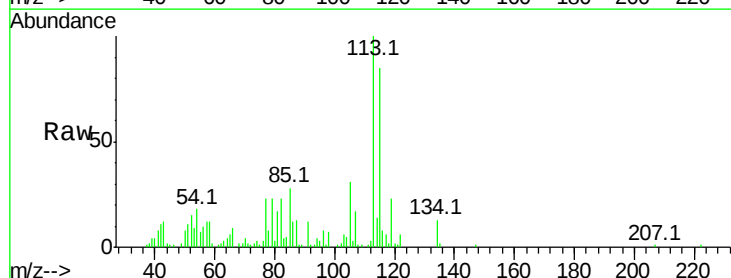
Tgt Ion: 105 Resp: 11571

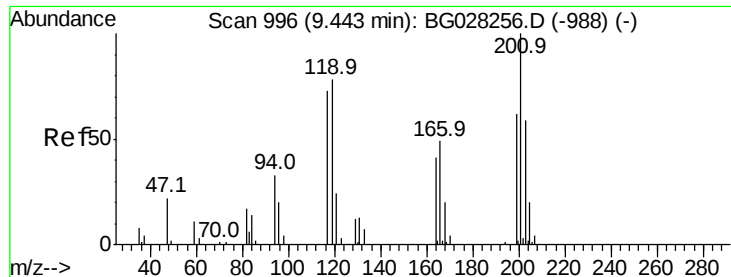
Ion Ratio Lower Upper

105 100

77 76.1 76.0 114.0

51 35.2 34.8 52.2





#17

Hexachloroethane

Concen: 28.092 ng/ul

RT: 9.45 min Scan# 998

Delta R.T. 0.01 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

Instrument :

BNA\_G

ClientSampleId :

C0AA4

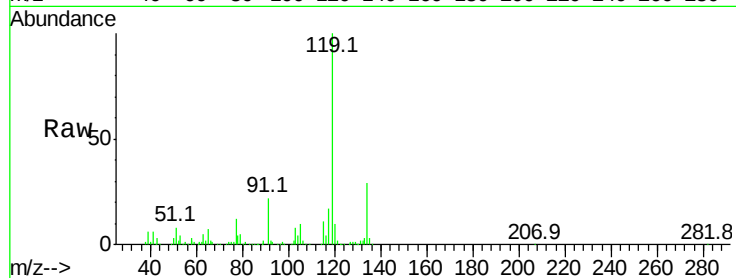
Tot Ion:117 Resp: 30536

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

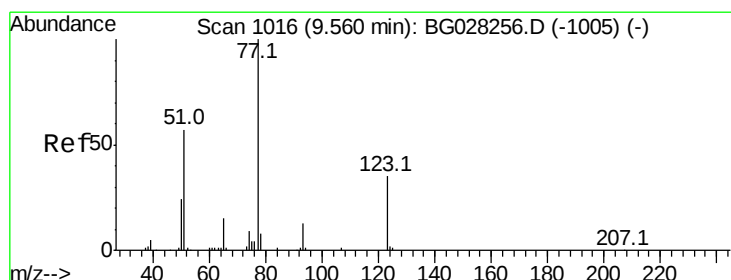
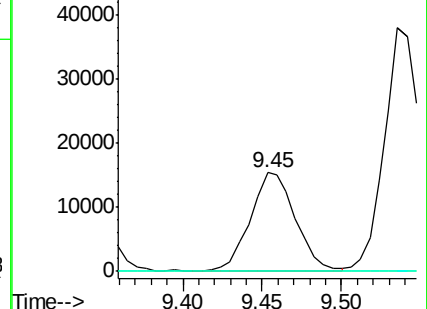
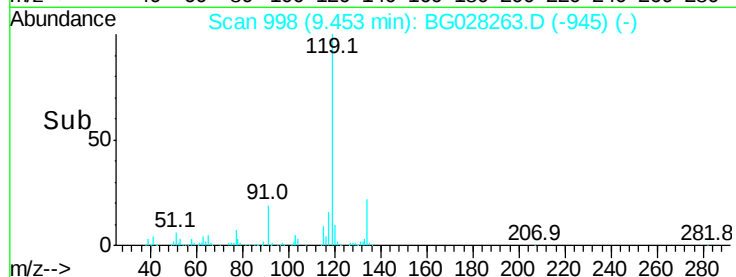
199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.622 ng/ul

RT: 9.54 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

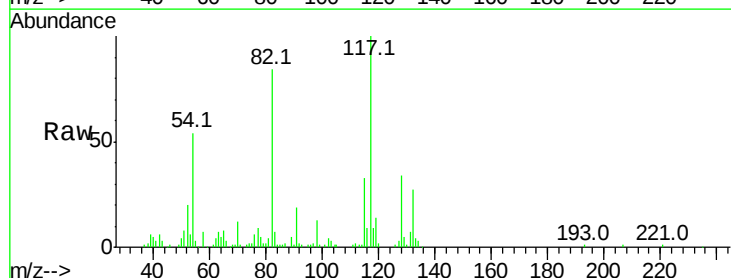
Tgt Ion: 77 Resp: 6201

Ion Ratio Lower Upper

77 100

123 0.0 27.4 41.0#

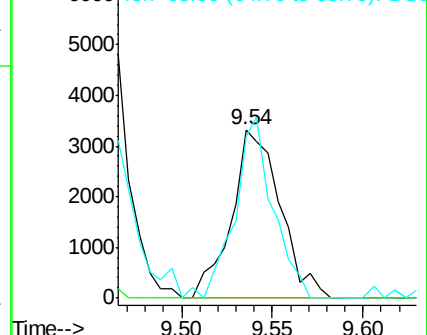
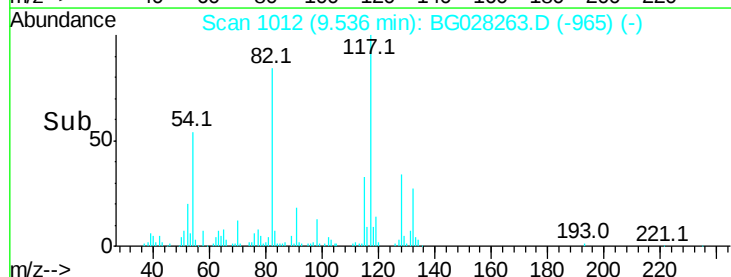
65 95.8 13.3 19.9#

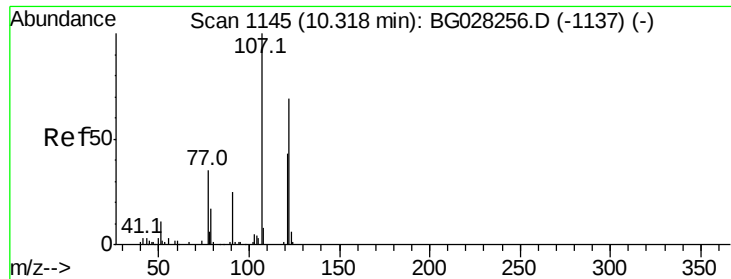


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC

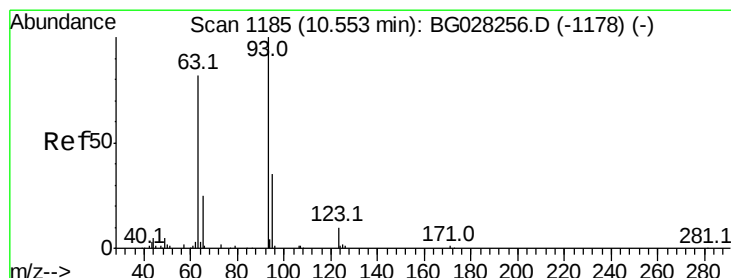
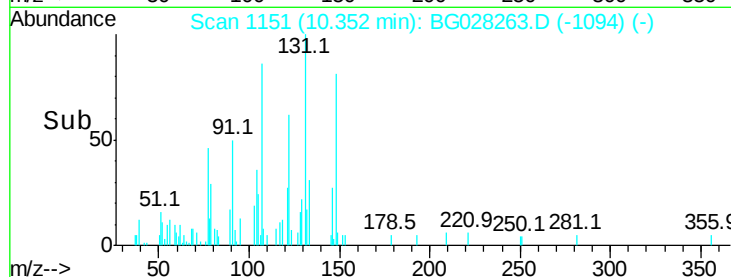
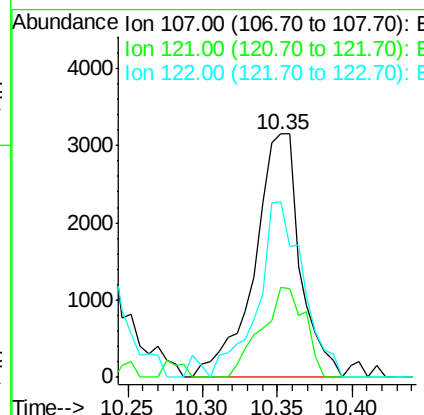
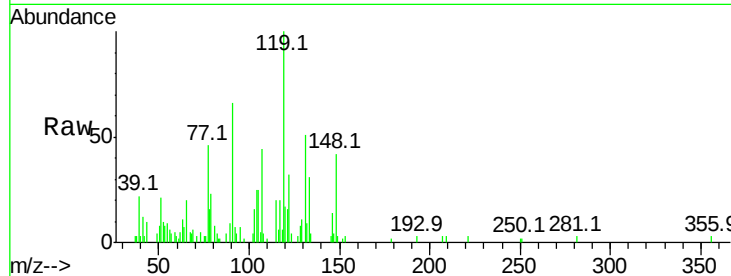




#24  
 2,4-Dimethylphenol  
 Concen: 1.843 ng/ul  
 RT: 10.35 min Scan# 1151  
 Delta R.T. 0.03 min  
 Lab File: BG028263.D  
 Acq: 10 Aug 2017 18:04

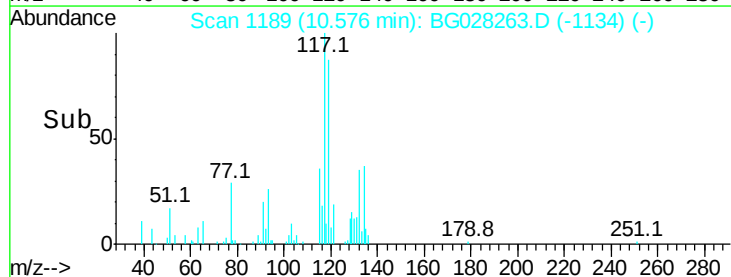
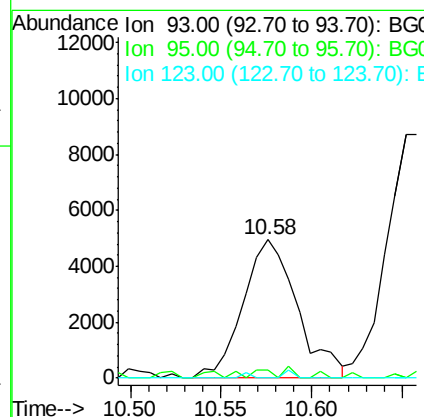
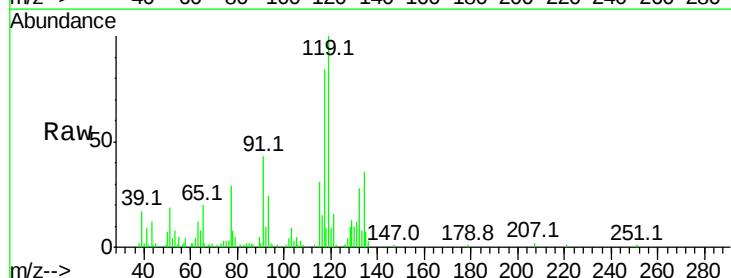
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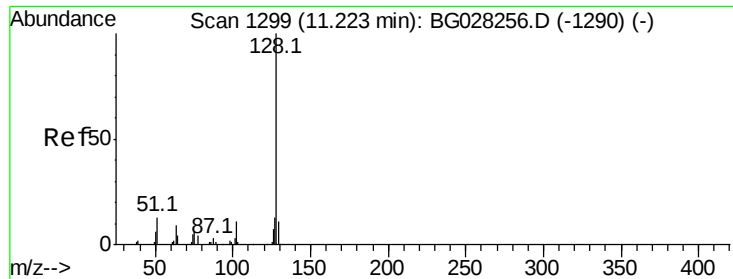
Tot Ion: 107 Resp: 6697  
 Ion Ratio Lower Upper  
 107 100  
 121 37.2 32.3 48.5  
 122 72.2 61.2 91.8



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 2.605 ng/ul  
 RT: 10.58 min Scan# 1189  
 Delta R.T. 0.02 min  
 Lab File: BG028263.D  
 Acq: 10 Aug 2017 18:04

Tgt Ion: 93 Resp: 10307  
 Ion Ratio Lower Upper  
 93 100  
 95 6.2 23.4 35.0#  
 123 0.0 7.8 11.6#





#28

Naphthalene

Concen: 1.815 ng/ul

RT: 11.22 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

Instrument :

BNA\_G

ClientSampleId :

C0AA4

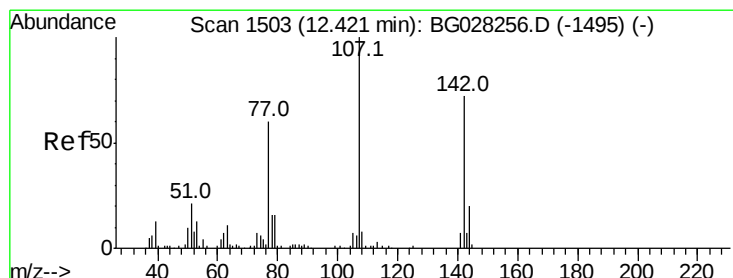
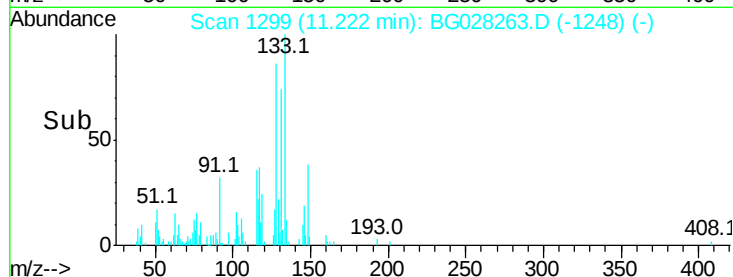
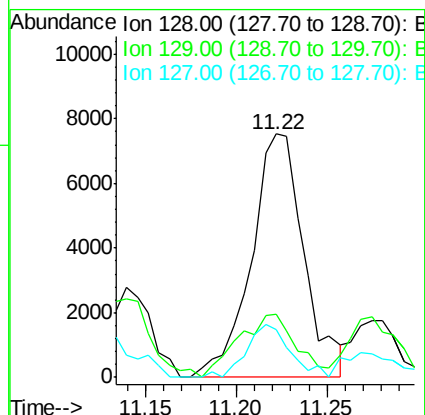
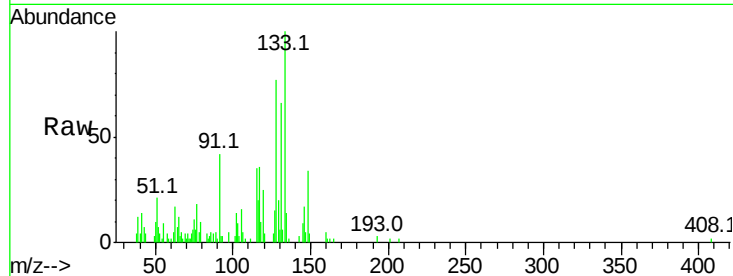
Tot Ion:128 Resp: 15188

Ion Ratio Lower Upper

128 100

129 26.0 9.4 14.2#

127 19.8 10.3 15.5#



#33

4-Chloro-3-methylphenol

Concen: 3.128 ng/ul

RT: 12.44 min Scan# 1507

Delta R.T. 0.02 min

Lab File: BG028263.D

Acq: 10 Aug 2017 18:04

Tgt Ion:107 Resp: 10892

Ion Ratio Lower Upper

107 100

144 3.0 18.2 27.4#

142 0.0 55.0 82.4#

