

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101116\  
 Data File : BG024288.D  
 Acq On : 12 Oct 2016 6:30  
 Operator : UM/SJ  
 Sample : H5113-15  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDP66

Quant Time: Oct 12 07:06:18 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG0100716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 12 05:31:57 2016  
 Response via : Initial Calibration

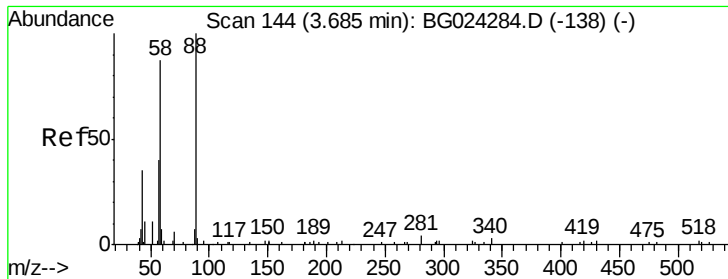
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 339      | 20.00 | ng/ul | 0.06     |
| 18) Naphthalene-d8        | 11.12 | 136  | 548170   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.91 | 164  | 467749   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.64 | 188  | 968477   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.94 | 240  | 1067067  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.39 | 264  | 1074357  | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |         |       |      |
|--------------------------------|-------|-----|---------|---------|-------|------|
| System Monitoring Compounds    |       |     |         |         |       |      |
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 7917    | 1109.04 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.42  | 99  | 286263  | 9050.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.61  | 67  | 212293  | 9928.76 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.81  | 132 | 212010  | 9734.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.98  | 113 | 231616  | 9058.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.46  | 128 | 120486  | 30.97   | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.19 | 143 | 127097  | 29.20   | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.72 | 165 | 257603  | 27.17   | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.25 | 131 | 144421  | 14.50   | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.30 | 166 | 828293  | 25.36   | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.61 | 160 | 1135355 | 30.35   | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 126898  | 21.91   | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.89 | 176 | 963091  | 31.19   | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.99 | 200 | 123502  | 21.22   | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.74 | 188 | 1437149 | 32.85   | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.01 | 212 | 1588675 | 31.90   | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.15 | 264 | 1514787 | 31.34   | ng/ul | 0.00 |

|                                |       |     |        |        |        |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds               |       |     |        | Qvalue |        |    |
| 2) 1,4-Dioxane                 | 3.70  | 88  | 1692   | 218.74 | ng/uL# | 45 |
| 4) Benzaldehyde                | 7.48  | 77  | 145    | 6.51   | ng/ul# | 51 |
| 6) Phenol                      | 7.44  | 94  | 16696  | 520.11 | ng/ul# | 81 |
| 8) Bis(2-Chloroethyl)ether     | 7.69  | 93  | 1455   | 61.57  | ng/ul  | 87 |
| 10) 2-Chlorophenol             | 7.90  | 128 | 137    | 6.21   | ng/ul# | 23 |
| 11) 2-Methylphenol             | 8.77  | 108 | 59     | 2.48   | ng/ul# | 2  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.89  | 45  | 230    | 4.87   | ng/ul# | 71 |
| 14) Acetophenone               | 9.18  | 105 | 72     | 1.90   | ng/ul# | 1  |
| 15) N-Nitroso-di-n-propylamine | 9.17  | 70  | 101    | 4.41   | ng/ul# | 26 |
| 16) 4-Methylphenol             | 9.12  | 108 | 56     | 2.22   | ng/ul# | 1  |
| 17) Hexachloroethane           | 9.44  | 117 | 110    | 10.77  | ng/ul# | 1  |
| 44) Dimethylphthalate          | 14.35 | 163 | 666574 | 20.81  | ng/ul# | 98 |

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





#2

1,4-Dioxane

Concen: 218.74 ng/uL

RT: 3.70 min Scan# 147

Delta R.T. 0.02 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

Instrument :

BNA\_G

ClientSampled :

BDP66

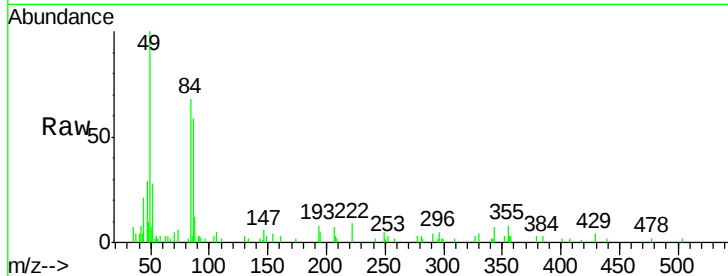
Tgt Ion: 88 Resp: 1692

Ion Ratio Lower Upper

88 100

43 30.4 39.2 58.8#

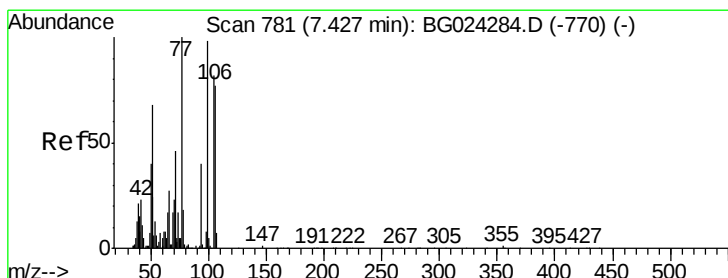
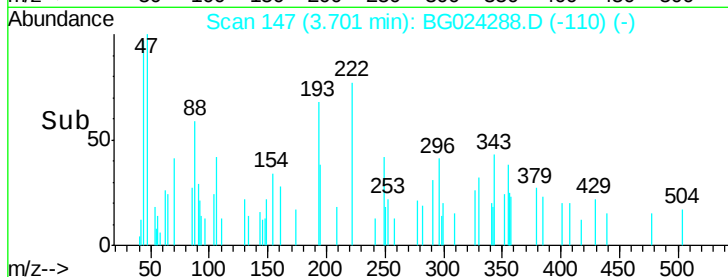
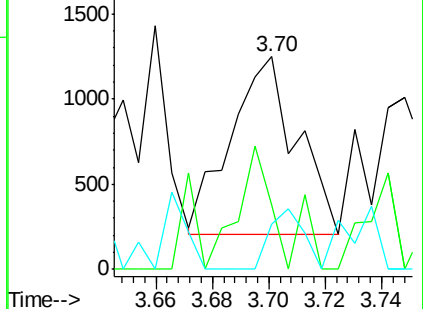
58 21.4 69.4 104.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 6.51 ng/uL

RT: 7.48 min Scan# 791

Delta R.T. 0.06 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

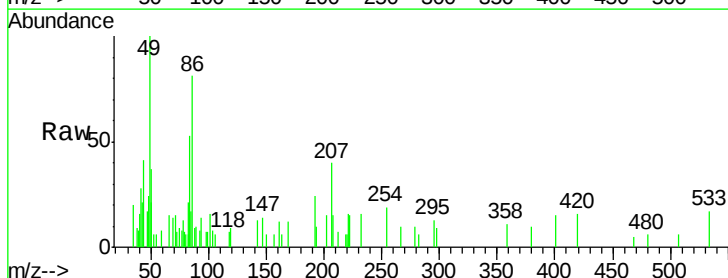
Tgt Ion: 77 Resp: 145

Ion Ratio Lower Upper

77 100

105 0.0 62.0 93.0#

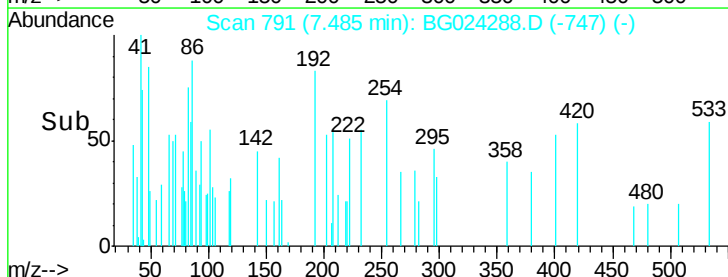
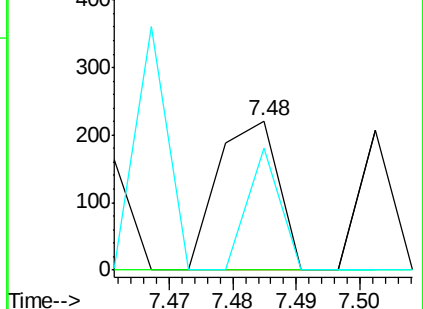
106 81.4 60.2 90.4

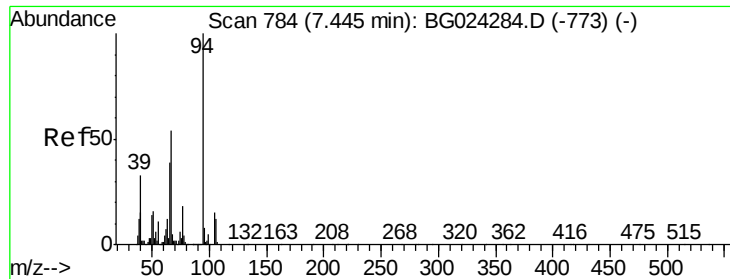


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 520.11 ng/ul

RT: 7.44 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

BDP66

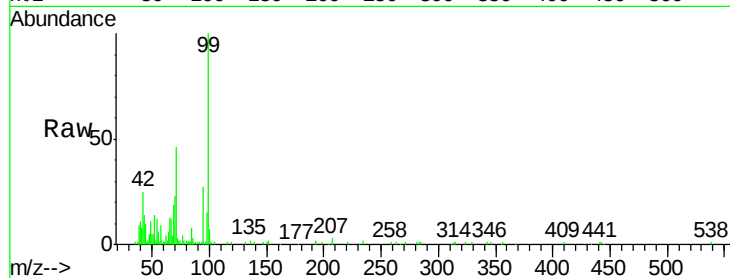
Tgt Ion: 94 Resp: 16696

Ion Ratio Lower Upper

94 100

65 46.5 26.8 40.2#

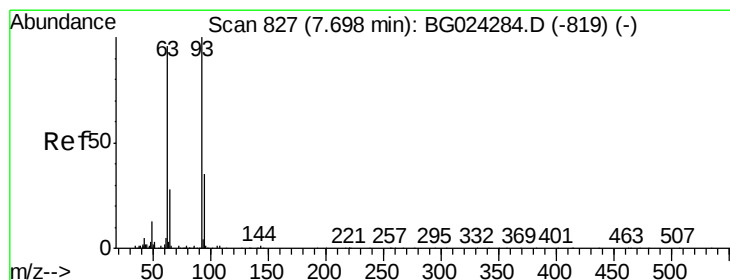
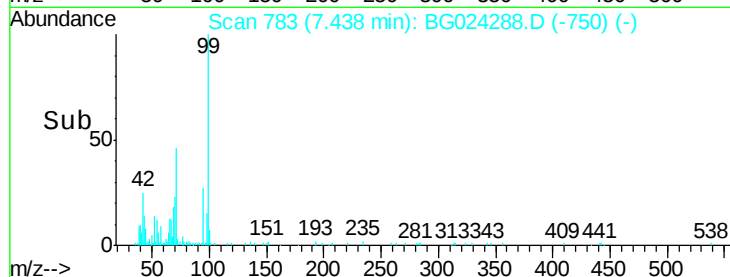
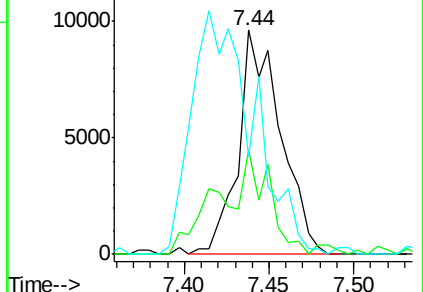
66 43.6 44.4 66.6#



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 61.57 ng/ul

RT: 7.69 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

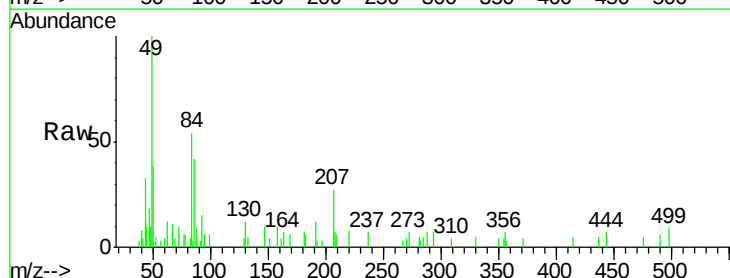
Tgt Ion: 93 Resp: 1455

Ion Ratio Lower Upper

93 100

63 80.5 75.5 113.3

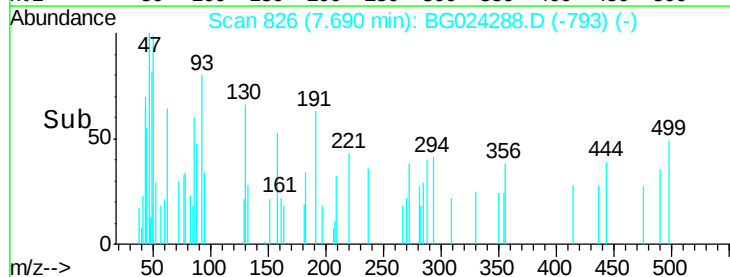
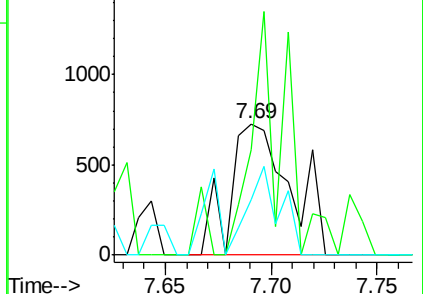
95 42.1 29.2 43.8

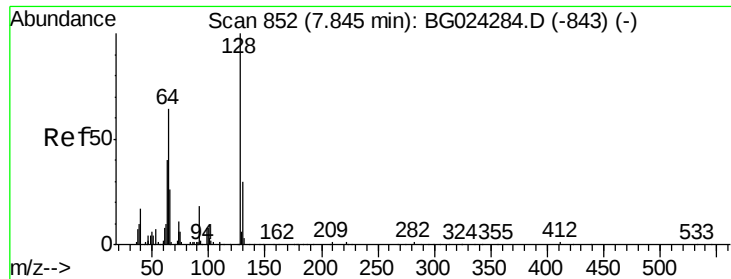


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

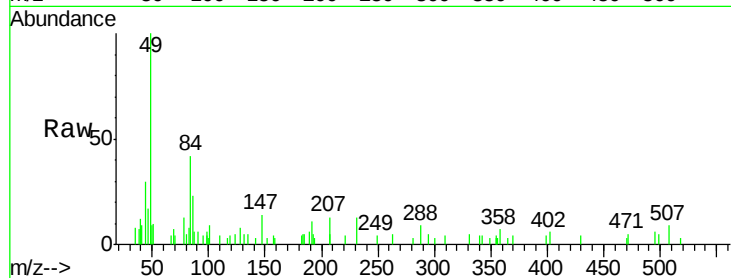




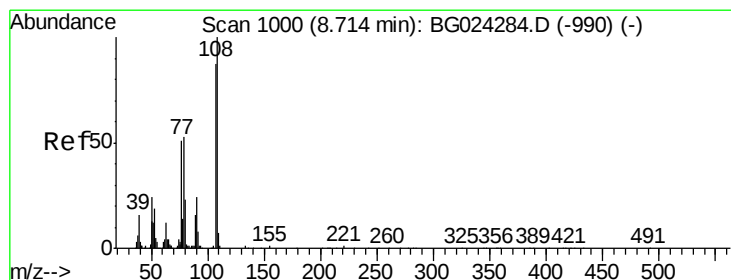
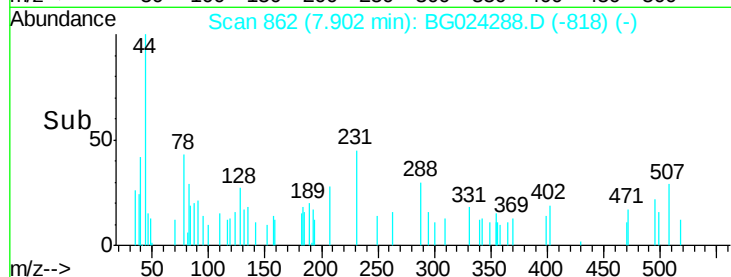
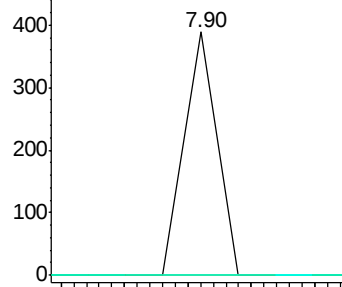
#10  
2-Chlorophenol  
Concen: 6.21 ng/ul  
RT: 7.90 min Scan# 862  
Delta R.T. 0.06 min  
Lab File: BG024288.D  
Acq: 12 Oct 2016 6:30

Instrument :  
BNA\_G  
ClientSampleId :  
BDP66

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 0.0   | 56.3  | 84.5# |
| 130     | 0.0   | 26.7  | 40.1# |

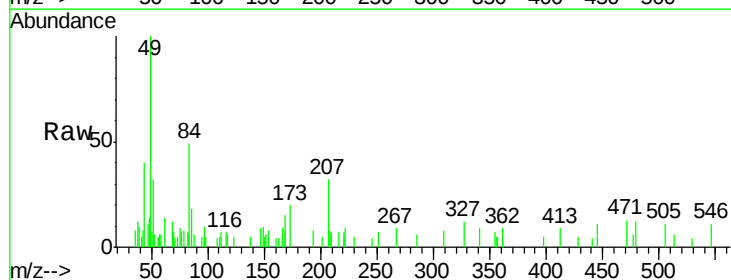


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 130.00 (129.70 to 130.70): E

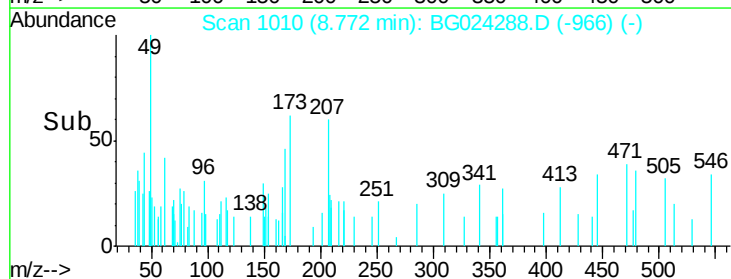
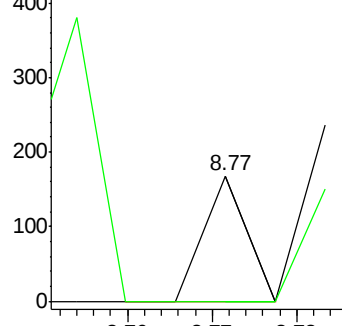


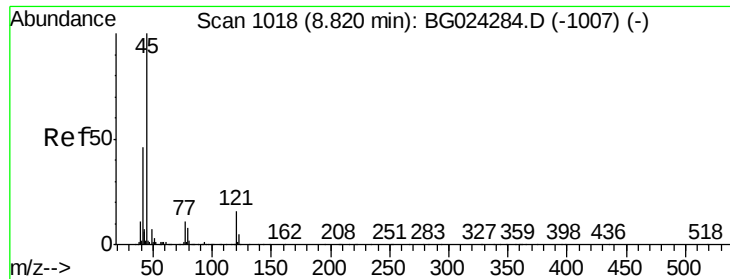
#11  
2-Methylphenol  
Concen: 2.48 ng/ul  
RT: 8.77 min Scan# 1010  
Delta R.T. 0.06 min  
Lab File: BG024288.D  
Acq: 12 Oct 2016 6:30

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 108     | 100   |       |        |
| 107     | 0.0   | 76.7  | 115.1# |



Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E

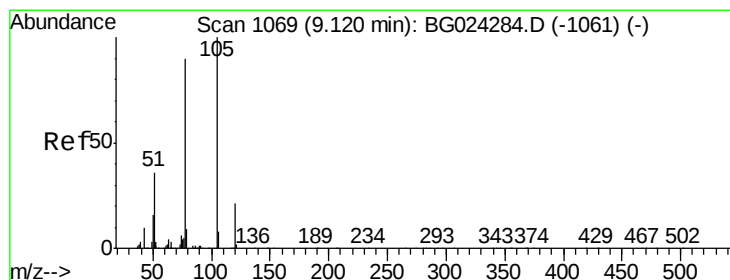
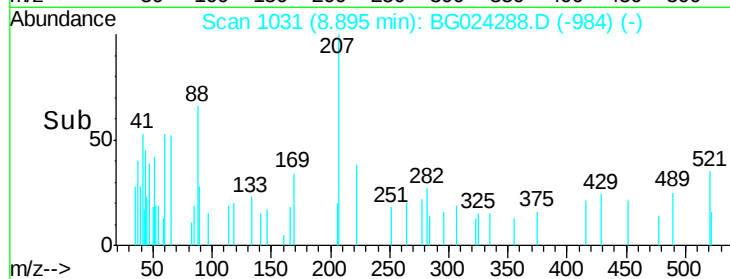
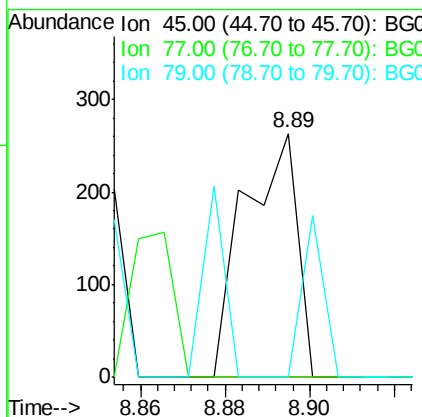
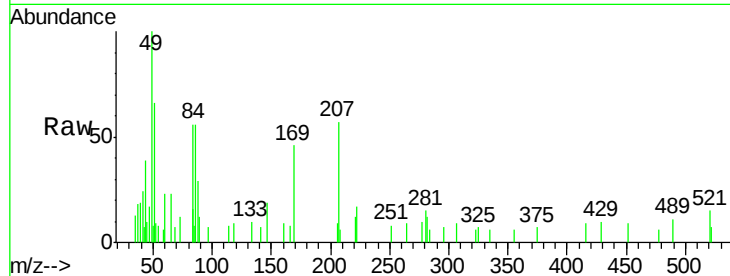




#12  
 2,2'-oxybis(1-Chloropropane)  
 Concen: 4.87 ng/ul  
 RT: 8.89 min Scan# 1031  
 Delta R.T. 0.07 min  
 Lab File: BG024288.D  
 Acq: 12 Oct 2016 6:30

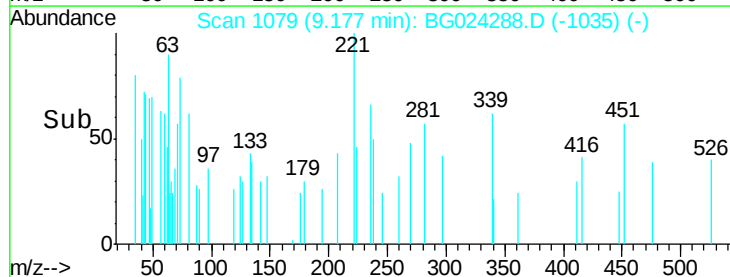
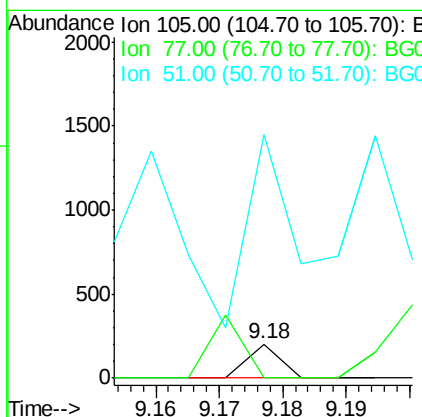
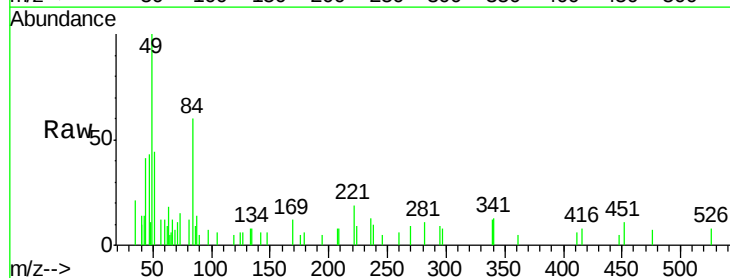
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDP66

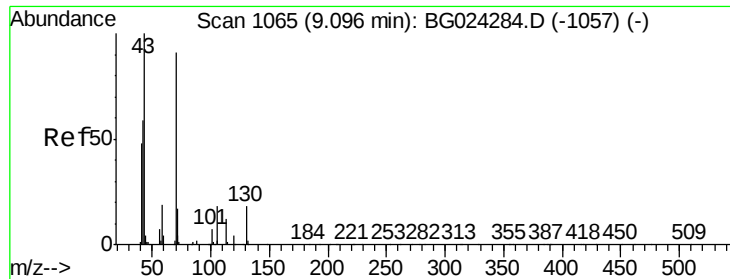
Tgt Ion: 45 Resp: 230  
 Ion Ratio Lower Upper  
 45 100  
 77 0.0 10.0 15.0#  
 79 0.0 7.3 10.9#



#14  
 Acetophenone  
 Concen: 1.90 ng/ul  
 RT: 9.18 min Scan# 1079  
 Delta R.T. 0.06 min  
 Lab File: BG024288.D  
 Acq: 12 Oct 2016 6:30

Tgt Ion: 105 Resp: 72  
 Ion Ratio Lower Upper  
 105 100  
 77 0.0 76.0 114.0#  
 51 710.3 34.8 52.2#

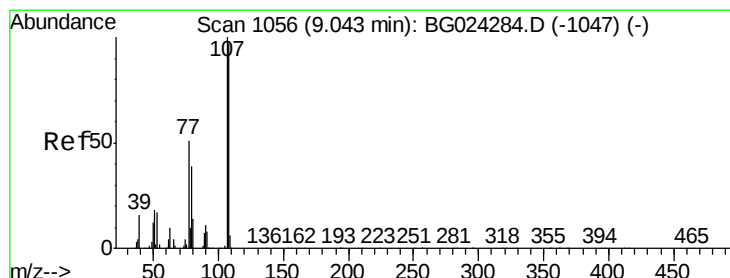
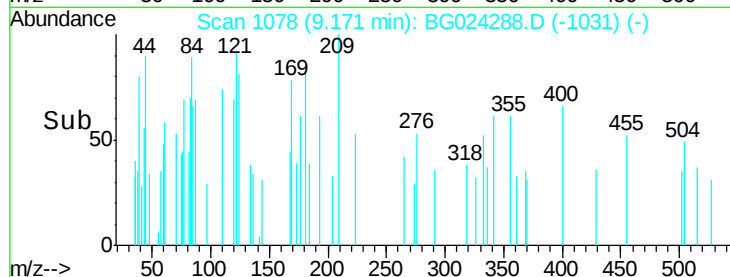
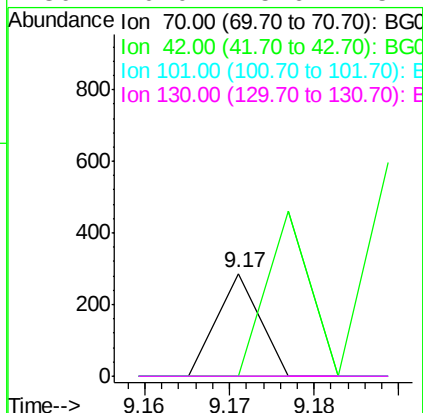
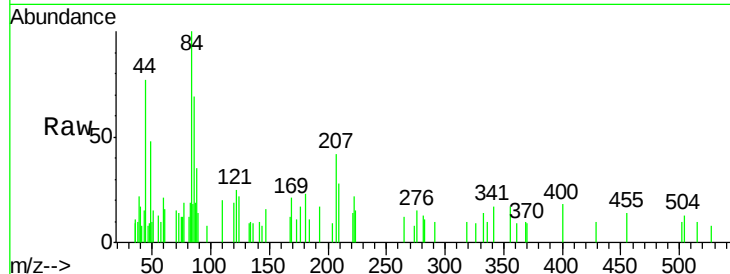




#15  
N-Nitroso-di-n-propylamine  
Concen: 4.41 ng/ul  
RT: 9.17 min Scan# 1078  
Delta R.T. 0.07 min  
Lab File: BG024288.D  
Acq: 12 Oct 2016 6:30

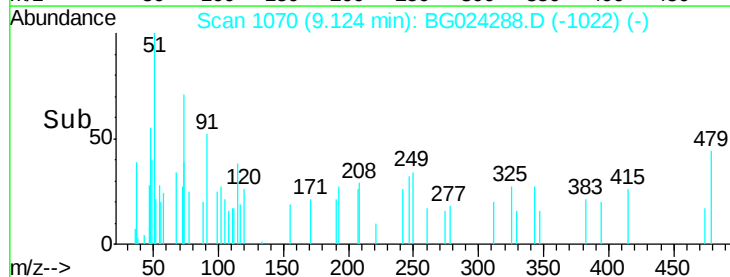
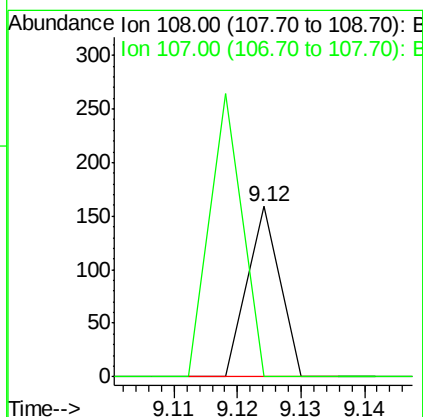
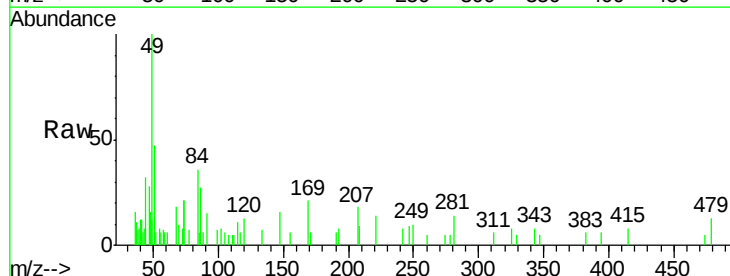
Instrument :  
BNA\_G  
ClientSampleId :  
BDP66

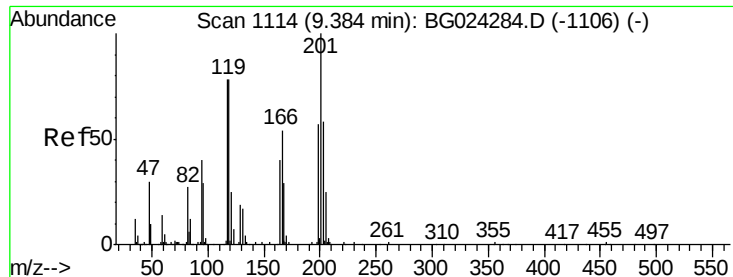
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 101   |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 0.0   | 59.0  | 88.6# |
| 101      | 0.0   | 6.6   | 9.8#  |
| 130      | 0.0   | 15.6  | 23.4# |



#16  
4-Methylphenol  
Concen: 2.22 ng/ul  
RT: 9.12 min Scan# 1070  
Delta R.T. 0.08 min  
Lab File: BG024288.D  
Acq: 12 Oct 2016 6:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 108   | Resp: | 56     |
| Ion      | Ratio | Lower | Upper  |
| 108      | 100   |       |        |
| 107      | 0.0   | 91.7  | 137.5# |





#17

Hexachloroethane

Concen: 10.77 ng/ul

RT: 9.44 min Scan# 1123

Delta R.T. 0.05 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

Instrument :

BNA\_G

ClientSampleId :

BDP66

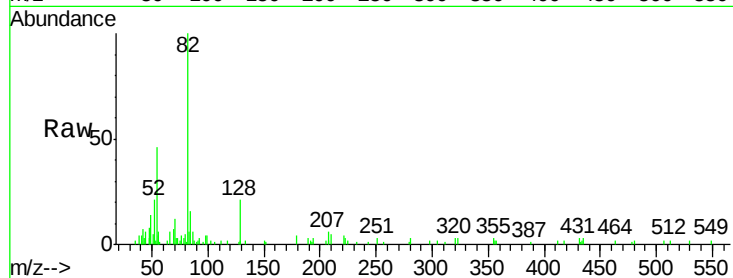
Tgt Ion:117 Resp: 110

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

9.44

300

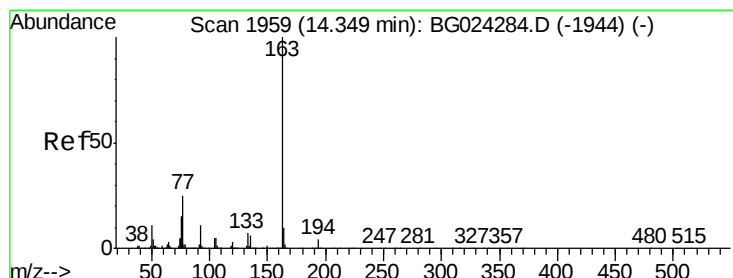
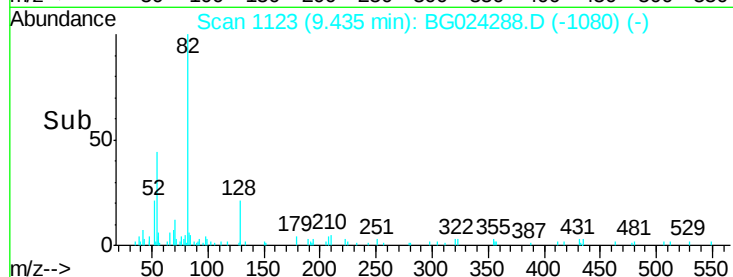
200

100

0

9.42 9.43 9.44 9.45

Time-->



#44

Dimethylphthalate

Concen: 20.81 ng/ul

RT: 14.35 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG024288.D

Acq: 12 Oct 2016 6:30

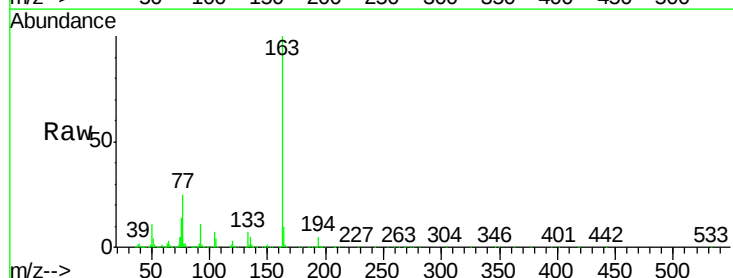
Tgt Ion:163 Resp: 666574

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.0#

164 10.4 9.0 13.4



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

14.35

600000

500000

400000

300000

200000

100000

0

14.30 14.40

Time-->

