

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121316\  
 Data File : BG025155.D  
 Acq On : 13 Dec 2016 21:30  
 Operator : UM/SJ  
 Sample : H5993-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H5993-02MSD

Quant Time: Dec 14 03:22:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 14 03:19:35 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.23  | 152  | 62013    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.07 | 136  | 281789   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 257681   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.60 | 188  | 611006   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 729561   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.31 | 264  | 748687   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 4534   | 3.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 110331 | 20.62 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.55  | 67  | 84213  | 25.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.76  | 132 | 81542  | 21.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 91624  | 20.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.41  | 128 | 46146  | 23.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.14 | 143 | 56187  | 22.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 97717  | 20.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.20 | 131 | 99198  | 21.10 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.25 | 166 | 456531 | 25.76 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.56 | 160 | 441868 | 22.76 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 72081  | 23.66 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.84 | 176 | 392743 | 23.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 92344  | 24.44 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.70 | 188 | 609732 | 23.64 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.97 | 212 | 750744 | 24.98 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.07 | 264 | 727007 | 23.97 | ng/ul | 0.00 |

## Target Compounds

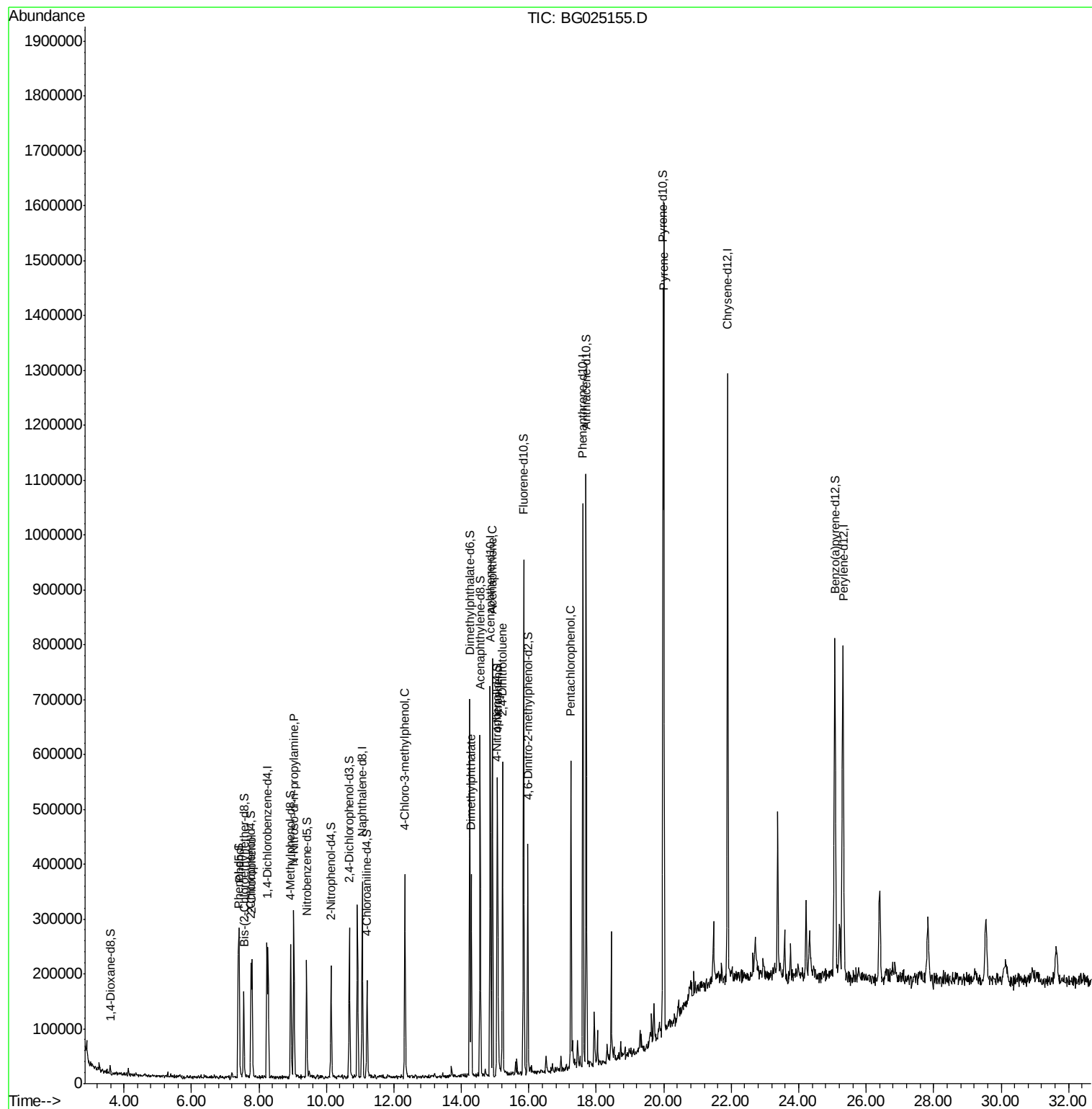
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol                      | 7.41  | 94  | 139044 | 25.32 | ng/ul# | 90     |
| 10) 2-Chlorophenol             | 7.80  | 128 | 81944  | 21.79 | ng/ul# | 83     |
| 15) N-Nitroso-di-n-propylamine | 9.03  | 70  | 107677 | 27.40 | ng/ul# | 94     |
| 33) 4-Chloro-3-methylphenol    | 12.33 | 107 | 133018 | 23.23 | ng/ul# | 97     |
| 44) Dimethylphthalate          | 14.30 | 163 | 225177 | 12.93 | ng/ul# | 98     |
| 49) Acenaphthene               | 14.92 | 153 | 307076 | 23.75 | ng/ul  | 99     |
| 52) 4-Nitrophenol              | 15.07 | 109 | 92868  | 25.35 | ng/ul  | 98     |
| 54) 2,4-Dinitrotoluene         | 15.22 | 165 | 147206 | 26.10 | ng/ul  | 98     |
| 68) Pentachlorophenol          | 17.25 | 266 | 108104 | 23.17 | ng/ul  | 94     |
| 77) Pyrene                     | 20.00 | 202 | 923507 | 26.33 | ng/ul  | 99     |

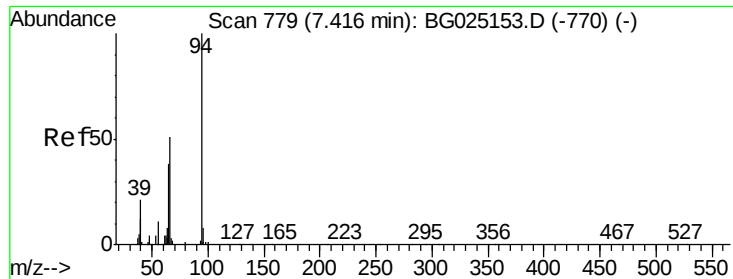
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 25.32 ng/ul

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

Instrument :

BNA\_G

ClientSampleId :

H5993-02MSD

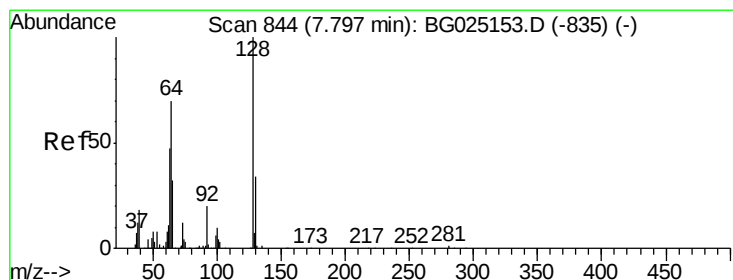
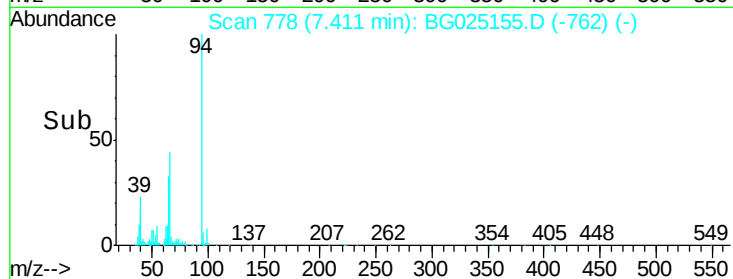
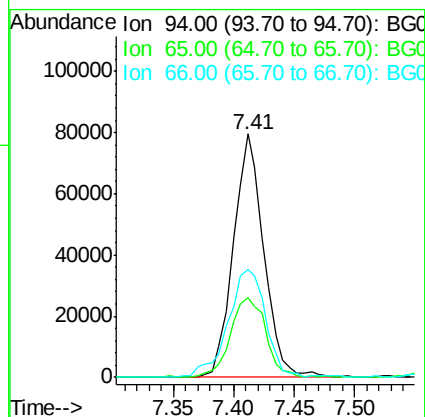
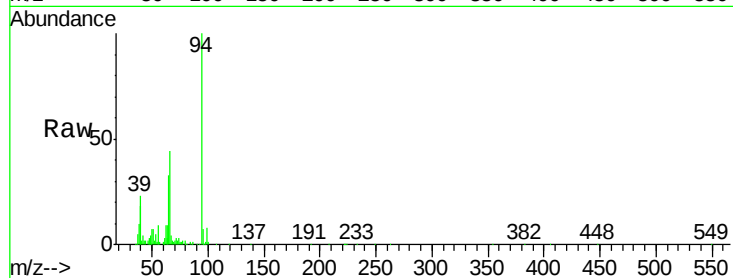
Tgt Ion: 94 Resp: 139044

Ion Ratio Lower Upper

94 100

65 32.9 26.8 40.2

66 44.3 44.4 66.6#



#10

2-Chlorophenol

Concen: 21.79 ng/ul

RT: 7.80 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

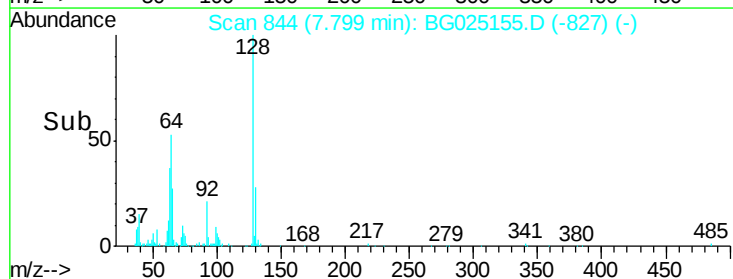
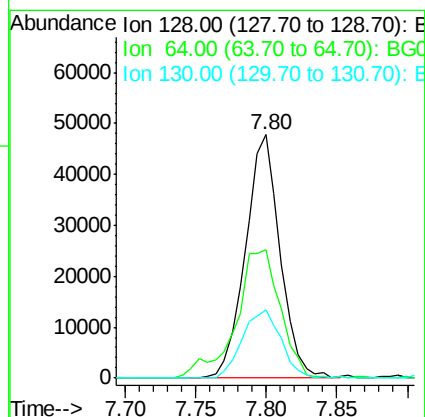
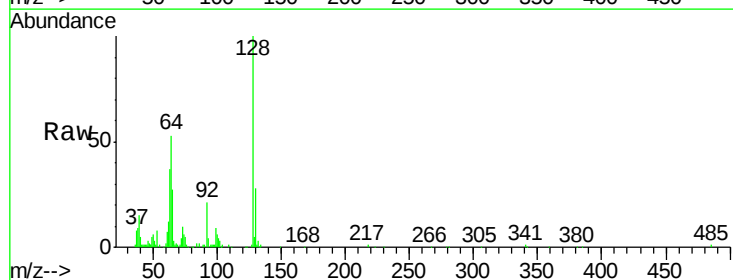
Tgt Ion: 128 Resp: 81944

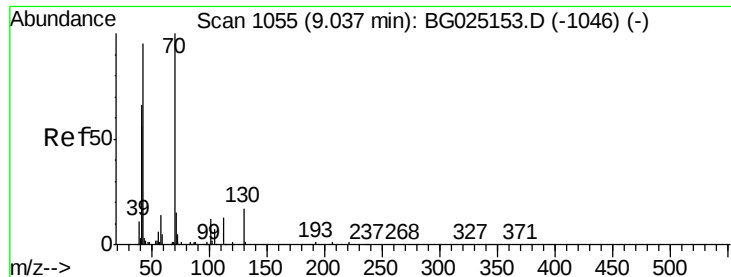
Ion Ratio Lower Upper

128 100

64 53.0 56.3 84.5#

130 28.0 26.7 40.1

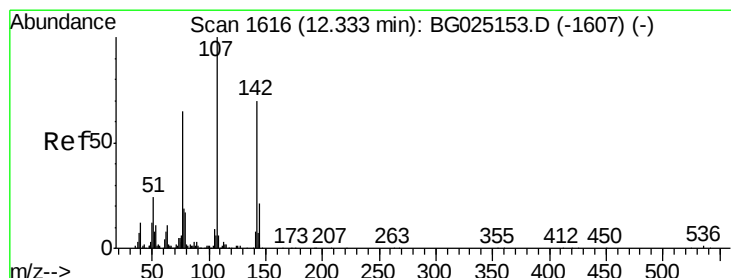
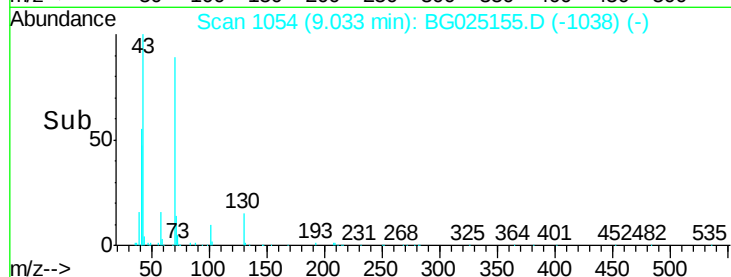
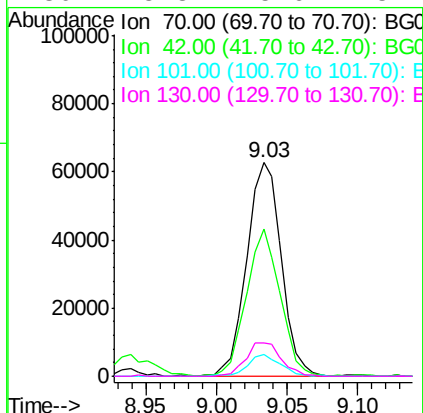
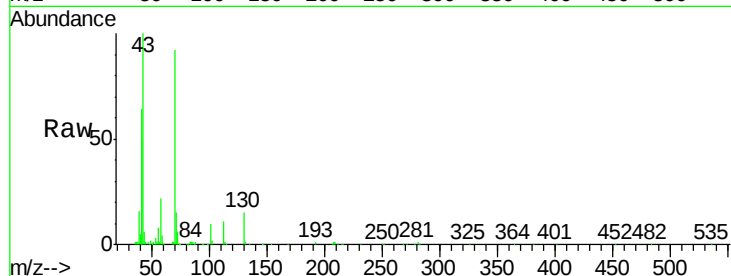




#15  
N-Nitroso-di-n-propylamine  
Concen: 27.40 ng/ul  
RT: 9.03 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BG025155.D  
Acq: 13 Dec 2016 21:30

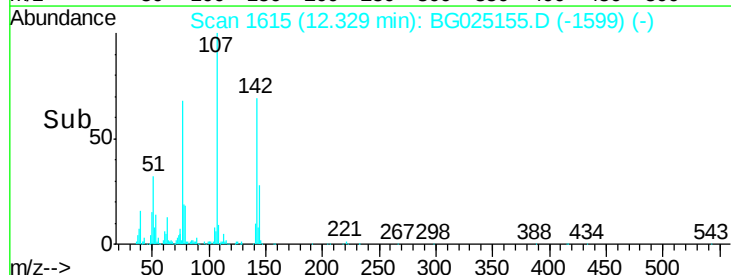
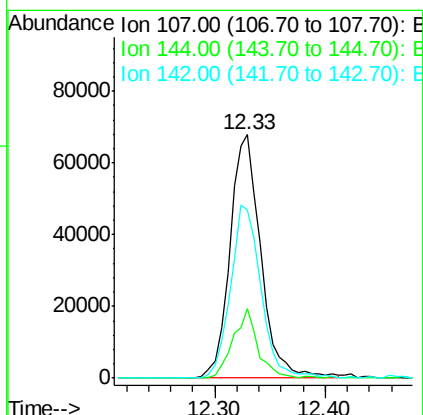
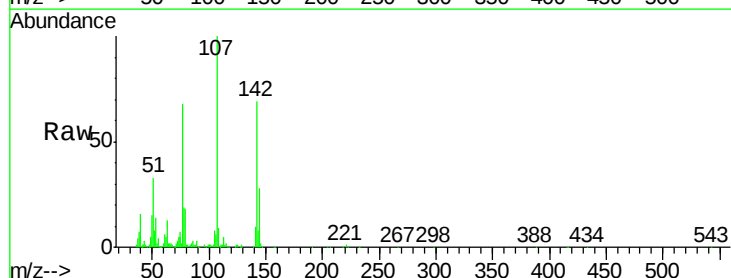
Instrument :  
BNA\_G  
ClientSampleId :  
H5993-02MSD

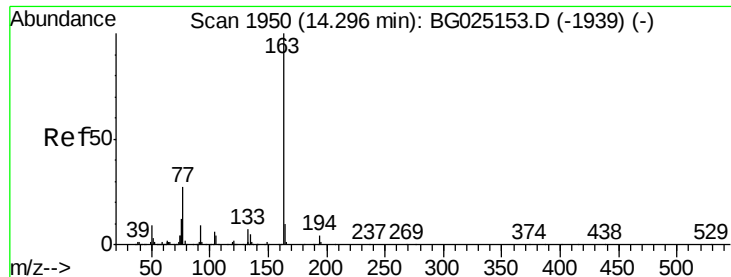
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 107677 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 69.2  | 59.0  | 88.6   |
| 101      | 10.5  | 6.6   | 9.8#   |
| 130      | 15.8  | 15.6  | 23.4   |



#33  
4-Chloro-3-methylphenol  
Concen: 23.23 ng/ul  
RT: 12.33 min Scan# 1615  
Delta R.T. -0.00 min  
Lab File: BG025155.D  
Acq: 13 Dec 2016 21:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 133018 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 28.4  | 18.2  | 27.4#  |
| 142      | 68.9  | 55.0  | 82.4   |





#44

Dimethylphthalate

Concen: 12.93 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

Instrument :

BNA\_G

ClientSampleId :

H5993-02MSD

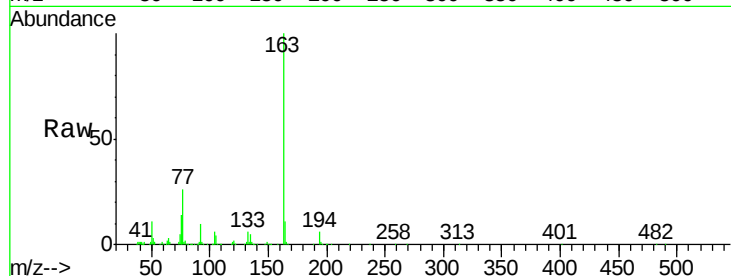
Tgt Ion:163 Resp: 225177

Ion Ratio Lower Upper

163 100

194 5.9 3.4 5.0#

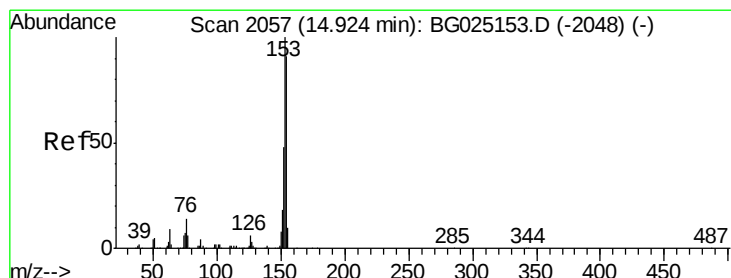
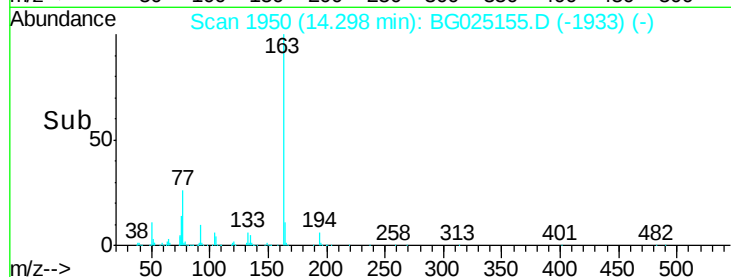
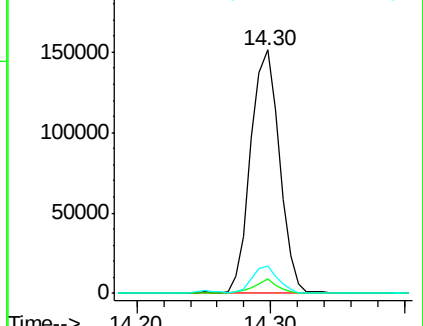
164 11.3 9.0 13.4



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



#49

Acenaphthene

Concen: 23.75 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

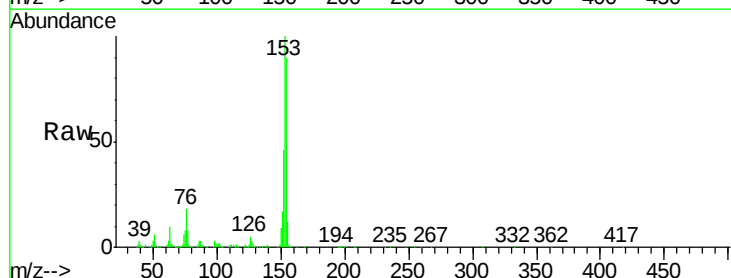
Tgt Ion:153 Resp: 307076

Ion Ratio Lower Upper

153 100

152 46.3 36.5 54.7

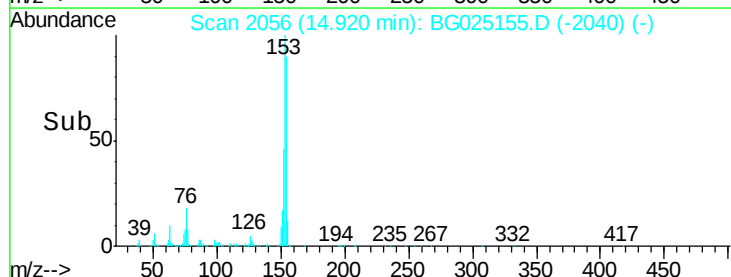
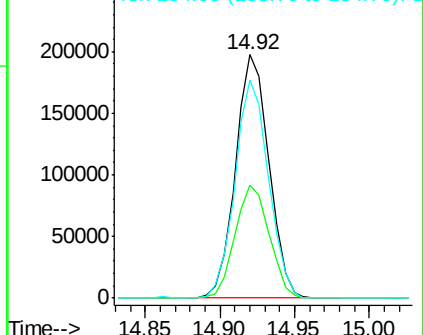
154 89.8 72.3 108.5

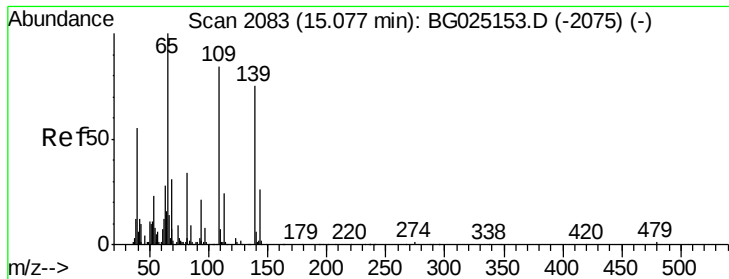


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 25.35 ng/ul

RT: 15.07 min Scan# 2082

Delta R.T. -0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

Instrument :

BNA\_G

ClientSampleId :

H5993-02MSD

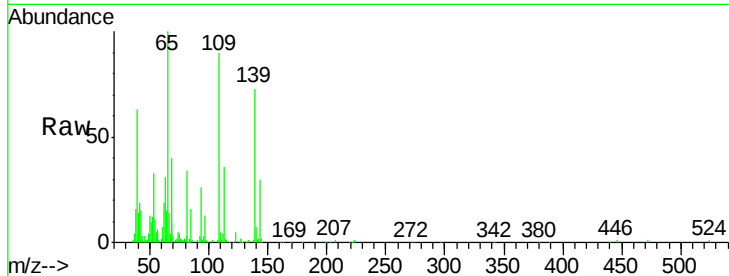
Tgt Ion:109 Resp: 92868

Ion Ratio Lower Upper

109 100

139 81.6 62.6 93.8

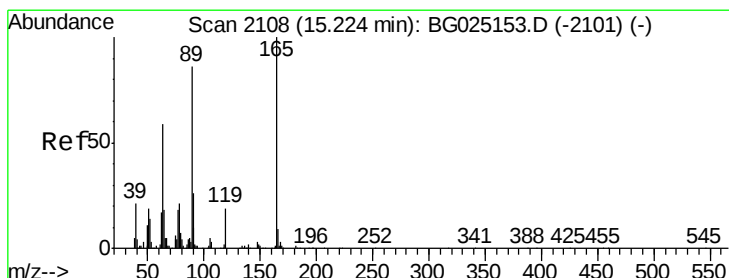
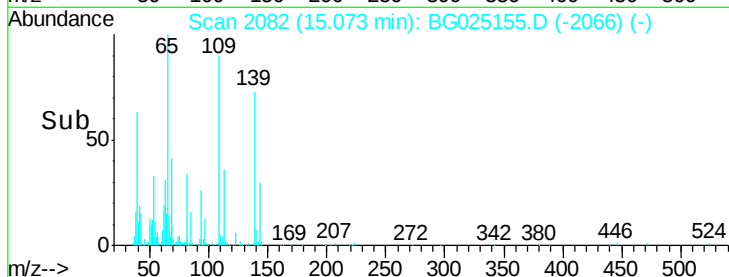
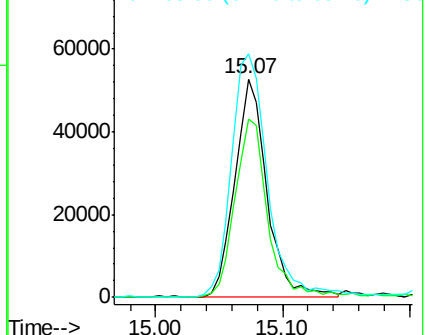
65 111.5 90.4 135.6



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

2,4-Dinitrotoluene

Concen: 26.10 ng/ul

RT: 15.22 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BG025155.D

Acq: 13 Dec 2016 21:30

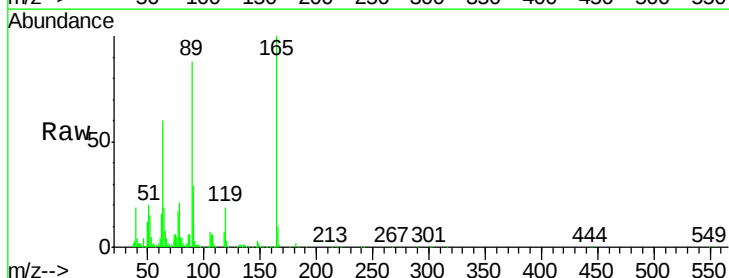
Tgt Ion:165 Resp: 147206

Ion Ratio Lower Upper

165 100

63 60.3 46.8 70.2

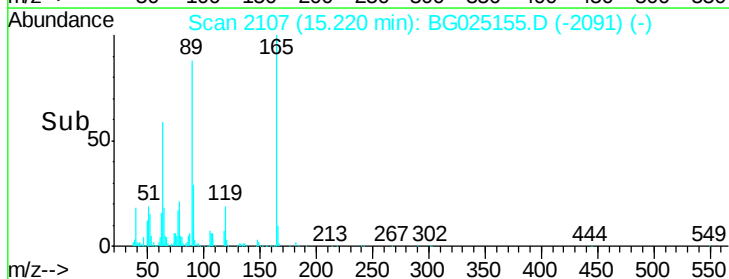
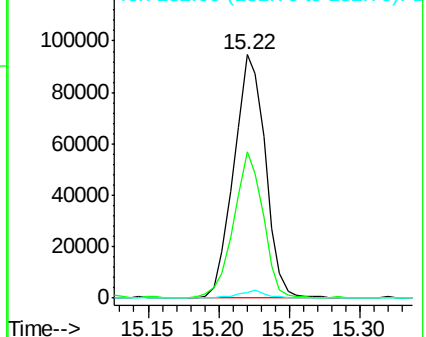
182 2.0 1.8 2.6

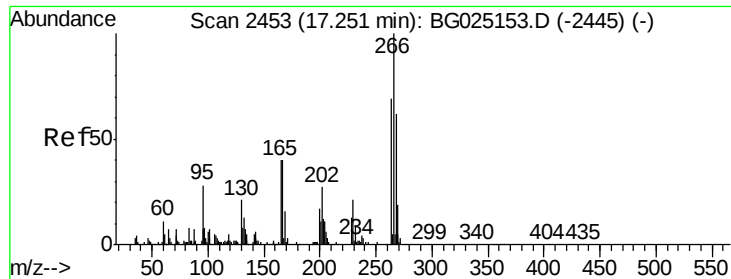


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E

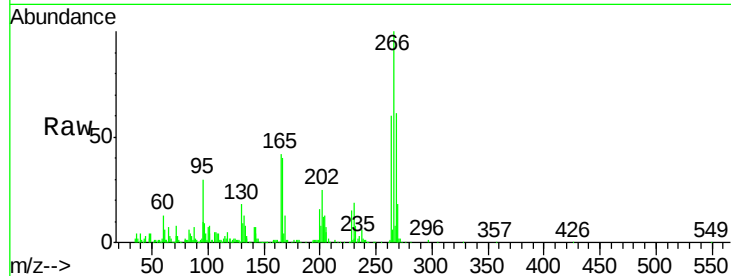




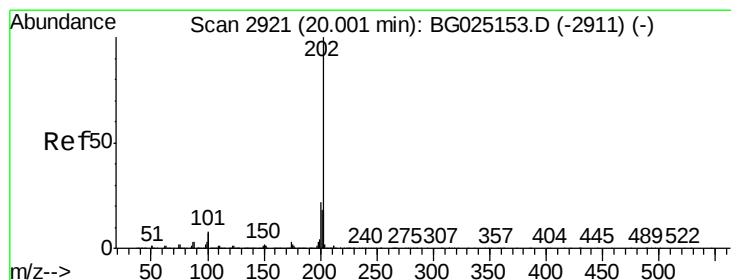
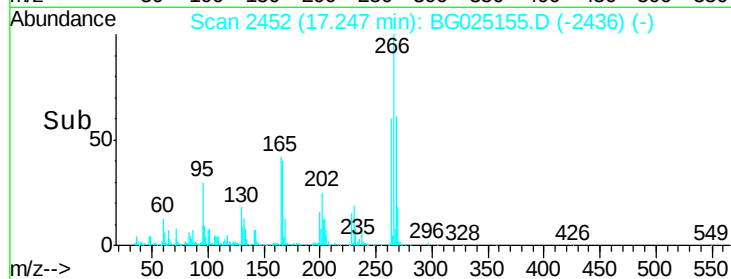
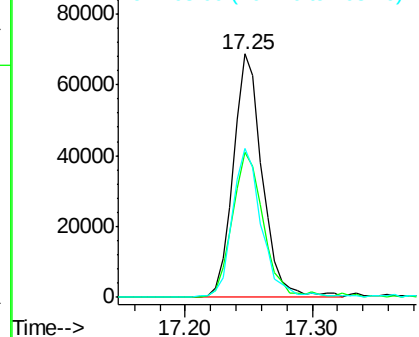
#68  
 Pentachlorophenol  
 Concen: 23.17 ng/ul  
 RT: 17.25 min Scan# 2452  
 Delta R.T. -0.00 min  
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 Acq: 13 Dec 2016 21:30

Instrument :  
 BNA\_G  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 59.5  | 47.1  | 70.7  |
| 268     | 61.1  | 56.2  | 84.4  |

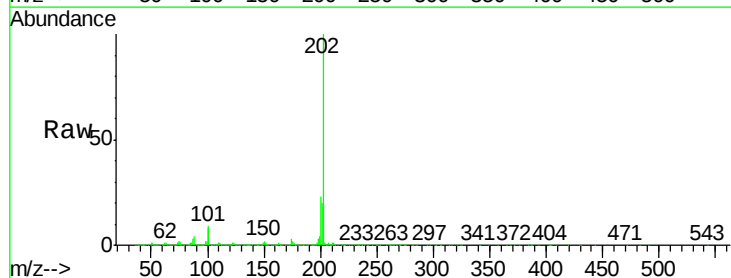


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#77  
 Pyrene  
 Concen: 26.33 ng/ul  
 RT: 20.00 min Scan# 2921  
 Delta R.T. 0.00 min  
 Lab File: BG025155.D  
 Acq: 13 Dec 2016 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.8   | 6.9   | 10.3  |
| 100     | 7.6   | 6.6   | 10.0  |



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): B

