

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\  
 Data File : BG031784.D  
 Acq On : 27 Dec 2017 5:53  
 Operator : SJ/JU  
 Sample : I7009-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121917-JETT-F-D-M

Quant Time: Dec 27 06:37:19 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

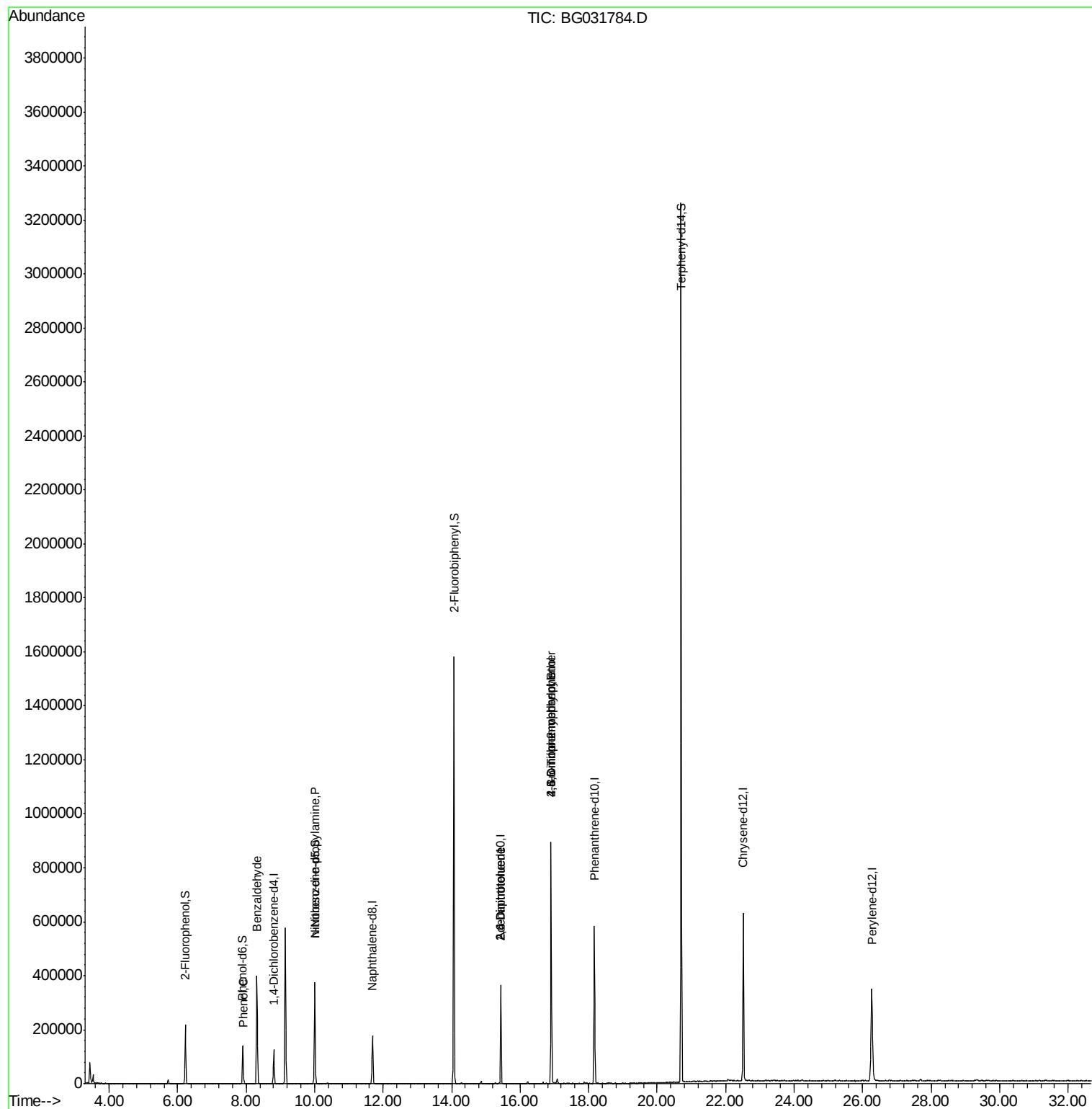
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.80  | 152  | 45265    | 20.00  | ng    | -0.04     |
| 21) Naphthalene-d8             | 11.69 | 136  | 191910   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10           | 15.44 | 164  | 139749   | 20.00  | ng    | -0.03     |
| 63) Phenanthrene-d10           | 18.17 | 188  | 387605   | 20.00  | ng    | -0.04     |
| 75) Chrysene-d12               | 22.52 | 240  | 467303   | 20.00  | ng    | -0.05     |
| 86) Perylene-d12               | 26.27 | 264  | 493820   | 20.00  | ng    | -0.09     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 6.22  | 112  | 122196   | 49.17  | ng    | -0.03     |
| 7) Phenol-d6                   | 7.90  | 99   | 100051   | 31.01  | ng    | -0.03     |
| 23) Nitrobenzene-d5            | 10.01 | 82   | 249571   | 98.20  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 16.91 | 330  | 222110   | 104.16 | ng    | -0.03     |
| 44) 2-Fluorobiphenyl           | 14.07 | 172  | 974065   | 87.48  | ng    | -0.03     |
| 78) Terphenyl-d14              | 20.70 | 244  | 1779077  | 86.98  | ng    | -0.04     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 8.31  | 77   | 4448     | 2.29   | ng    | Qvalue 90 |
| 10) Phenol                     | 7.93  | 94   | 7084     | 2.17   | ng    | 89        |
| 19) n-Nitroso-di-n-propylamine | 10.01 | 70   | 32185    | 14.61  | ng    | # 69      |
| 50) 2,6-Dinitrotoluene         | 15.44 | 165  | 17665    | 7.80   | ng    | # 18      |
| 56) 2,4-Dinitrotoluene         | 15.44 | 165  | 17665    | 6.07   | ng    | # 16      |
| 64) 4,6-Dinitro-2-methylphenol | 16.90 | 198  | 528      | 8.54   | ng    | # 1       |
| 66) 4-Bromophenyl-phenylether  | 16.90 | 248  | 17847    | 3.18   | ng    | # 1       |

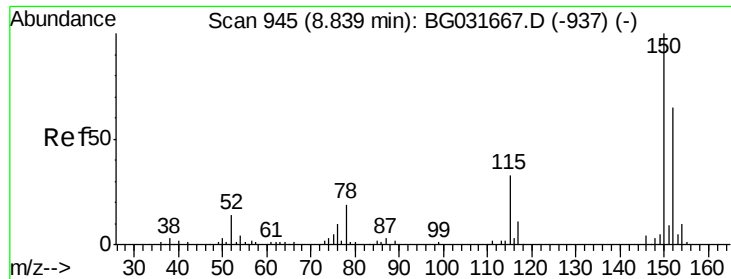
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.80 min Scan# 938

Delta R.T. -0.04 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

Instrument :

BNA\_G

ClientSampleId :

121917-JETT-F-D-M

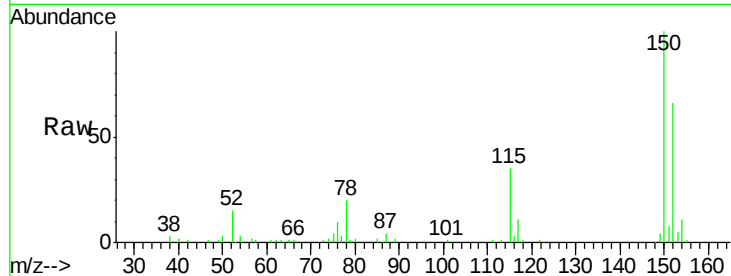
Tot Ion:152 Resp: 45265

Ion Ratio Lower Upper

152 100

150 152.6 126.6 189.8

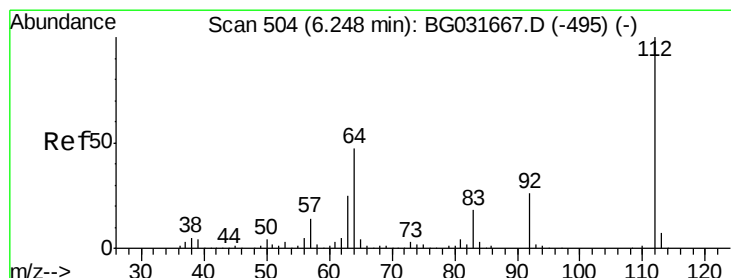
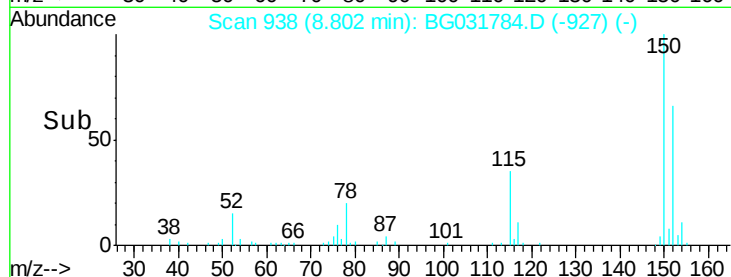
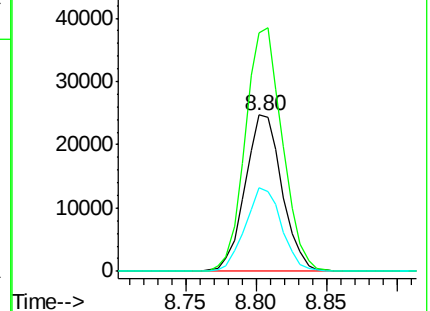
115 53.8 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 49.17 ng

RT: 6.22 min Scan# 499

Delta R.T. -0.03 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

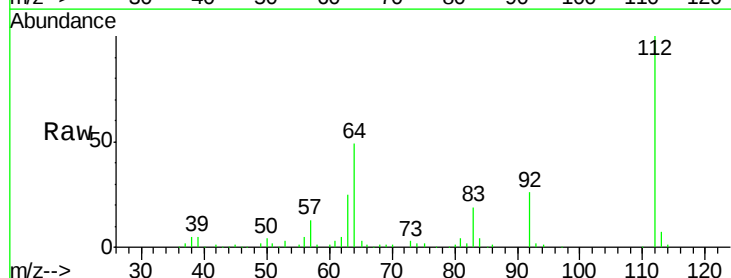
Tgt Ion:112 Resp: 122196

Ion Ratio Lower Upper

112 100

64 49.3 56.3 84.5#

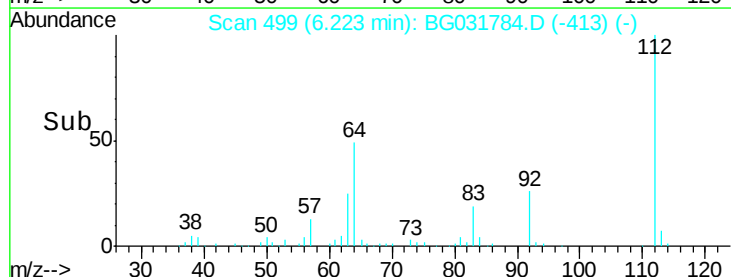
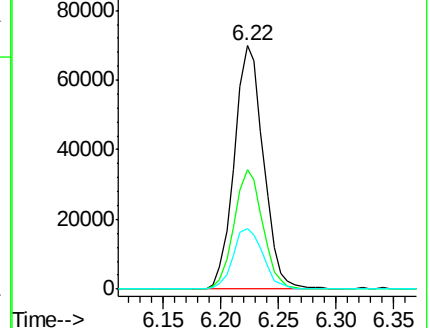
63 24.8 30.1 45.1#

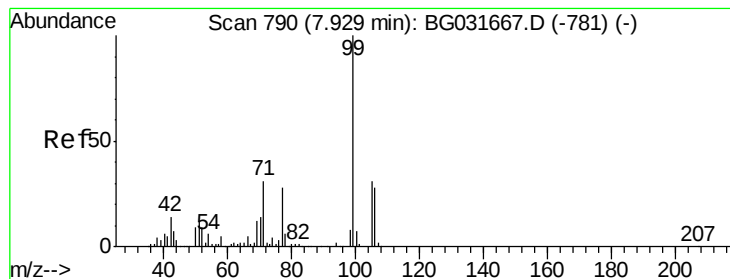


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 31.01 ng

RT: 7.90 min Scan# 784

Delta R.T. -0.03 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

Instrument :

BNA\_G

ClientSampleId :

121917-JETT-F-D-M

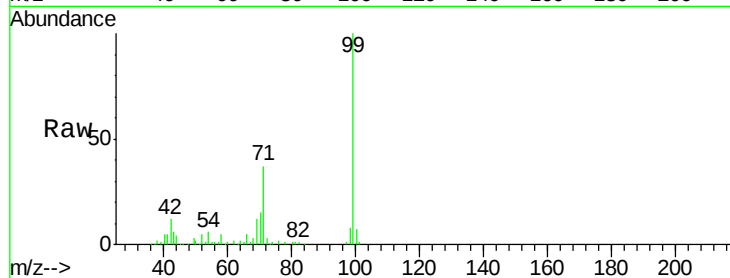
Tot Ion: 99 Resp: 100051

Ion Ratio Lower Upper

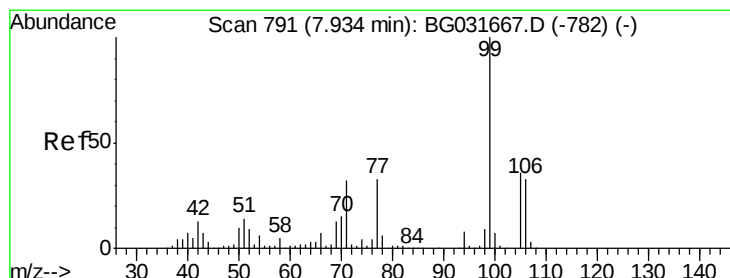
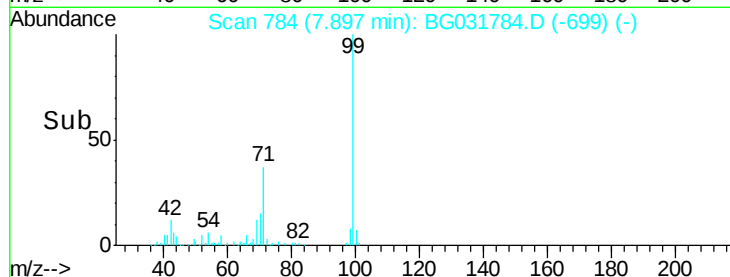
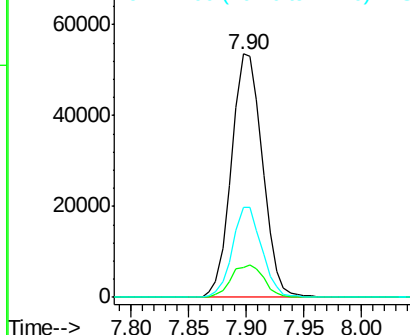
99 100

42 12.3 14.1 21.1#

71 37.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 2.29 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

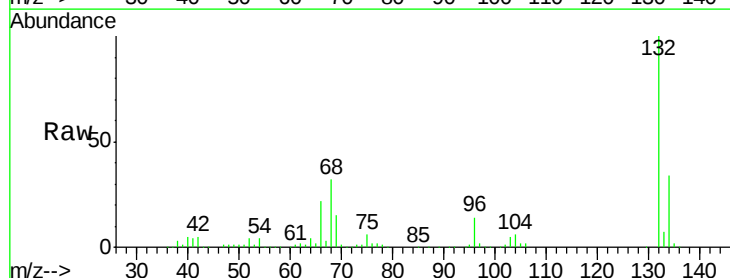
Tgt Ion: 77 Resp: 4448

Ion Ratio Lower Upper

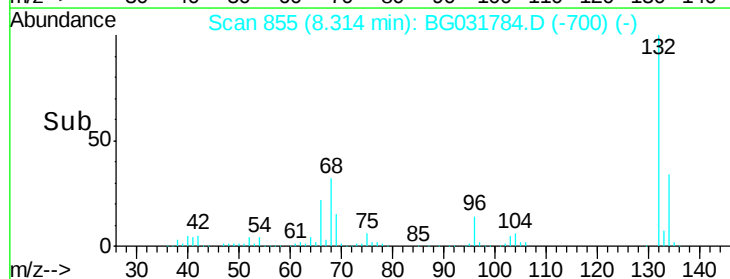
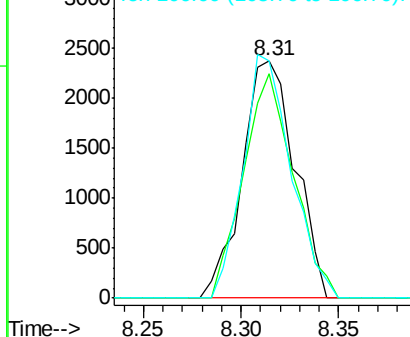
77 100

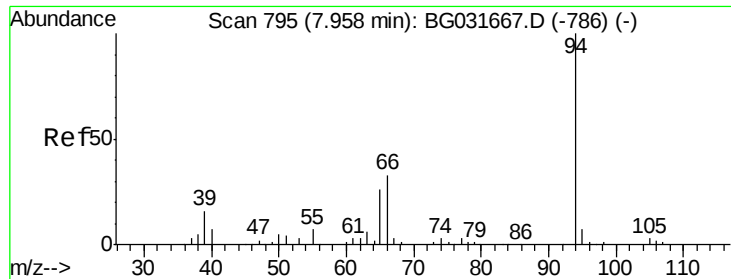
105 94.7 71.3 111.3

106 100.2 64.2 104.2



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





#10

Phenol

Concen: 2.17 ng

RT: 7.93 min Scan# 789

Delta R.T. -0.03 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

Instrument :

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ClientSampleId :

121917-JETT-F-D-M

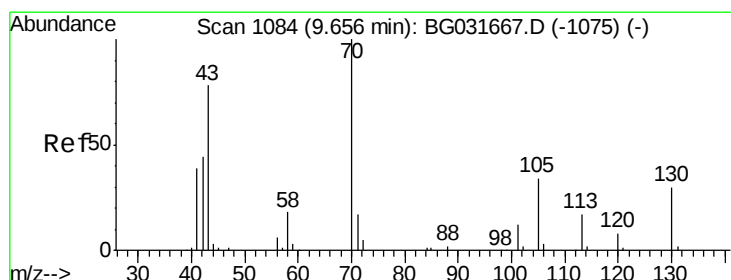
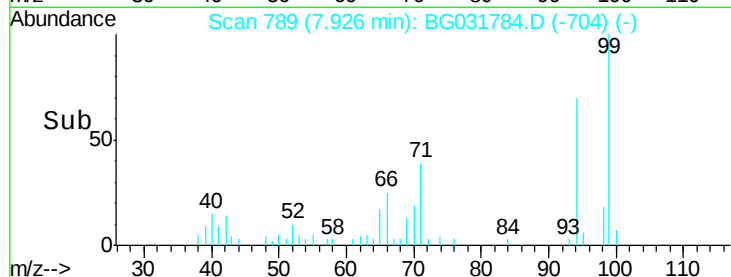
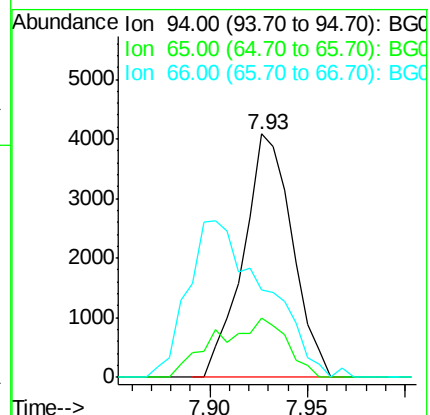
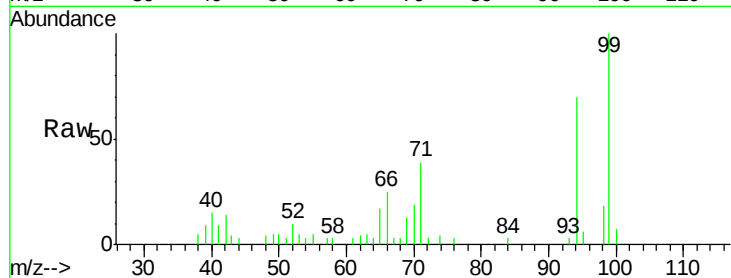
Tot Ion: 94 Resp: 7084

Ion Ratio Lower Upper

94 100

65 24.1 11.9 51.9

66 36.1 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.61 ng

RT: 10.01 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

Tgt Ion: 70 Resp: 32185

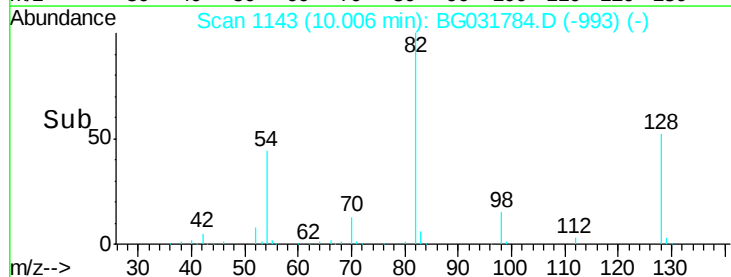
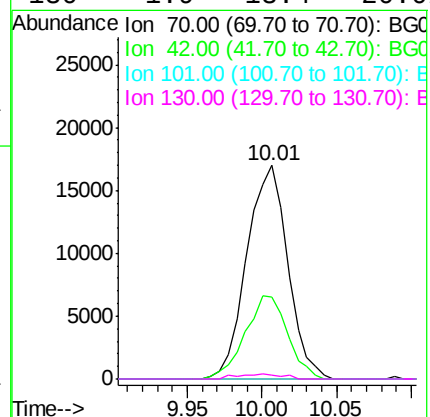
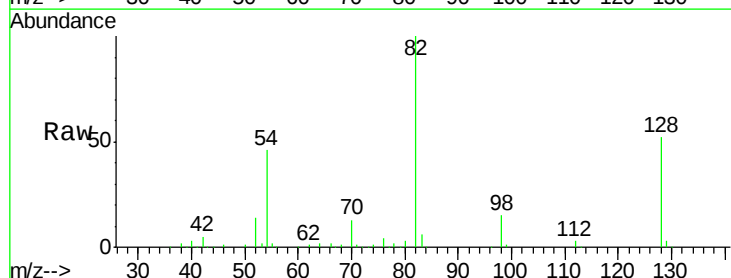
Ion Ratio Lower Upper

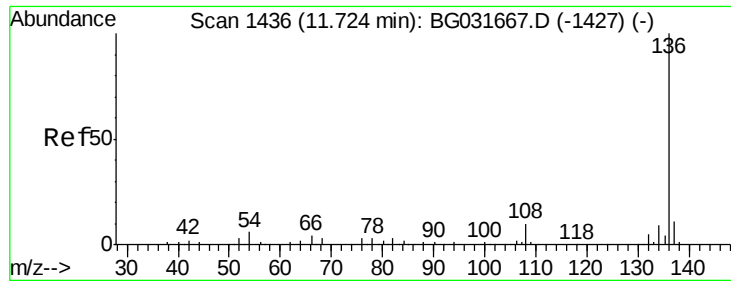
70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

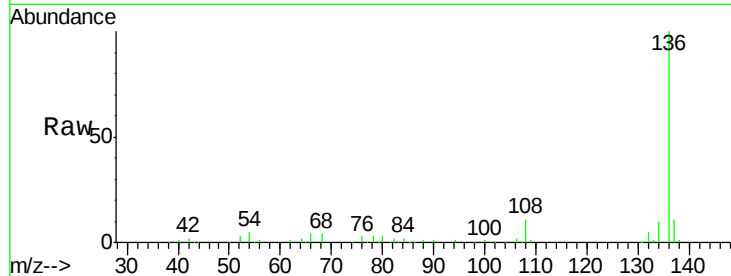




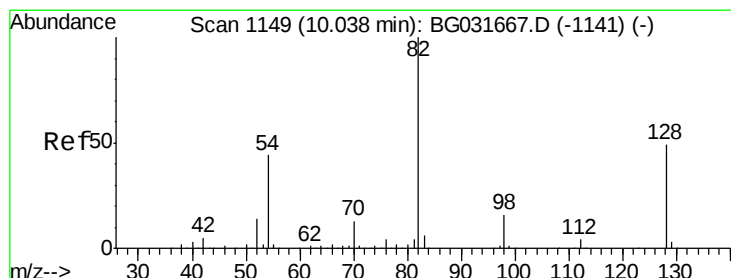
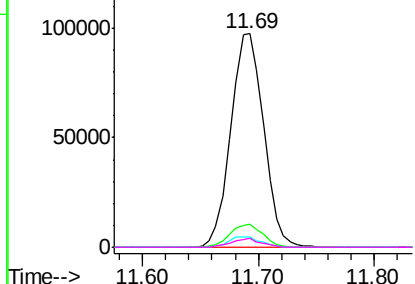
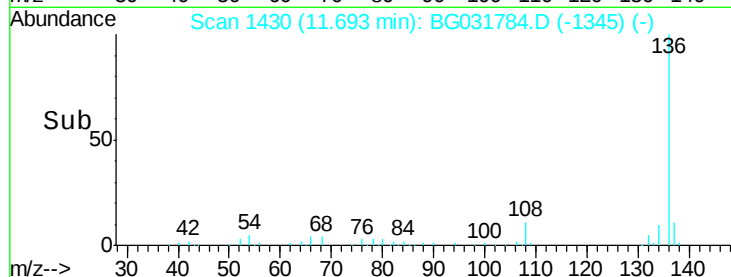
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.69 min Scan# 1430  
Delta R.T. -0.03 min  
Lab File: BG031784.D  
Acq: 27 Dec 2017 5:53

Instrument :  
BNA\_G  
ClientSampleId :  
121917-JETT-F-D-M

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 191910     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.5  | 9.2 13.8   |
| 54          | 4.8   | 10.3 15.5# |
| 68          | 4.0   | 4.5 6.7#   |

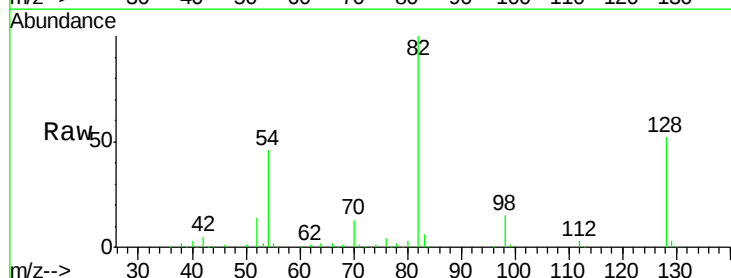


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): B  
Ion 68.00 (67.70 to 68.70): B

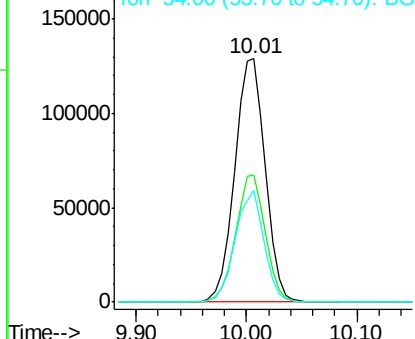
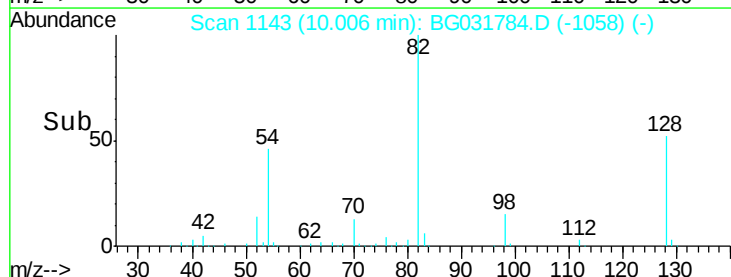


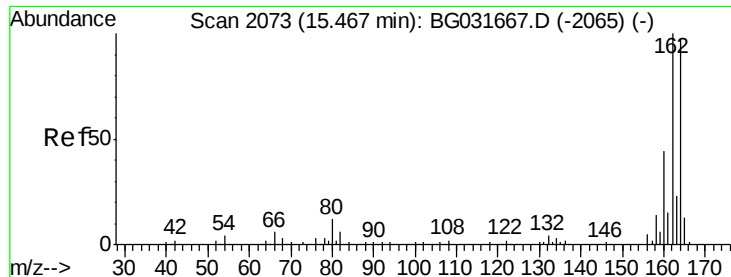
#23  
Nitrobenzene-d5  
Concen: 98.20 ng  
RT: 10.01 min Scan# 1143  
Delta R.T. -0.03 min  
Lab File: BG031784.D  
Acq: 27 Dec 2017 5:53

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 249571     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 52.3  | 29.7 44.5# |
| 54          | 46.0  | 43.1 64.7  |



Abundance Ion 82.00 (81.70 to 82.70): B  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.44 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

Instrument :

BNA\_G

ClientSampleId :

121917-JETT-F-D-M

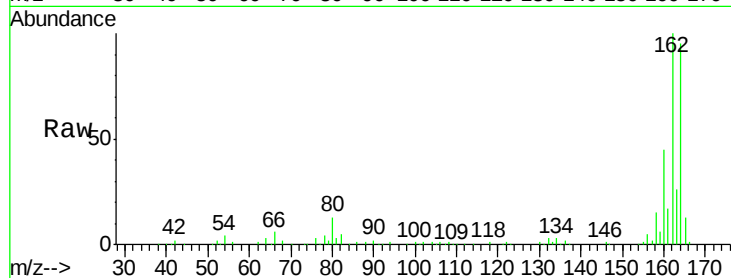
Tot Ion:164 Resp: 139749

Ion Ratio Lower Upper

164 100

162 105.5 78.8 118.2

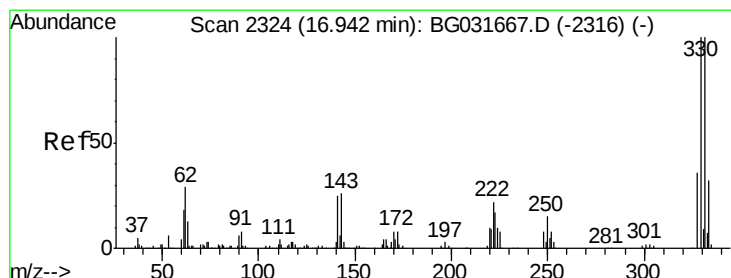
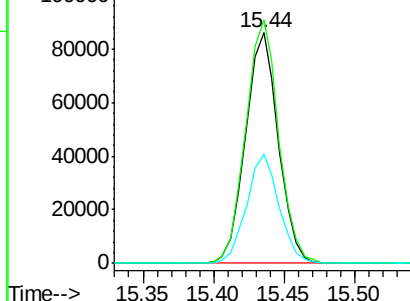
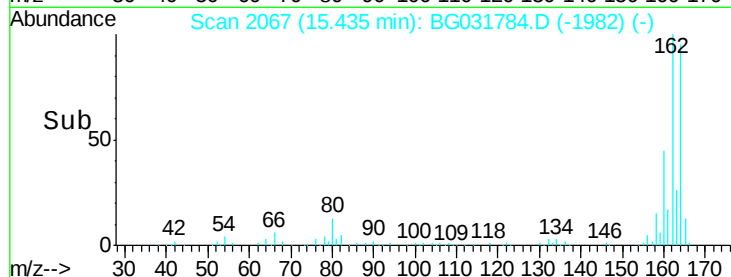
160 47.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 104.16 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031784.D

Acq: 27 Dec 2017 5:53

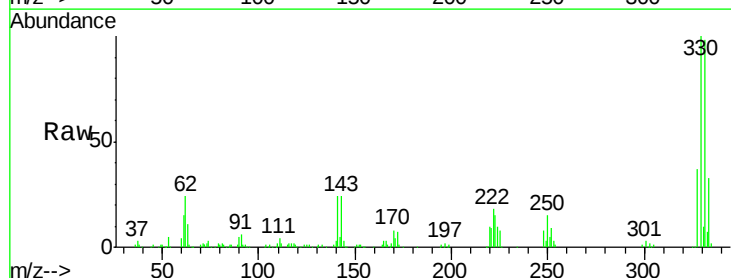
Tgt Ion:330 Resp: 222110

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

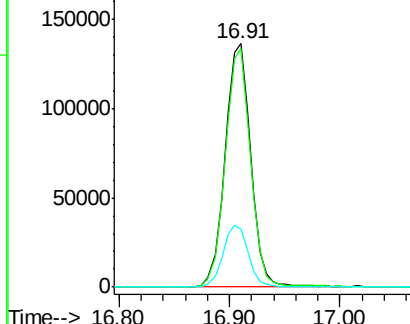
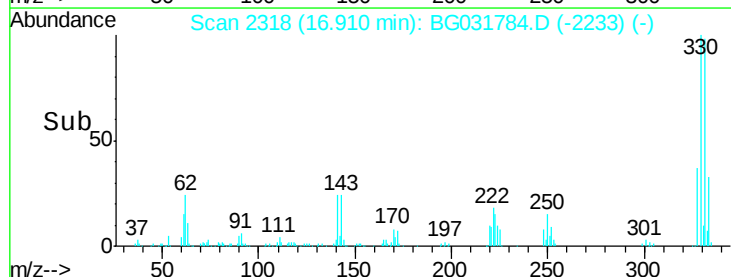
141 25.2 25.2 37.8#

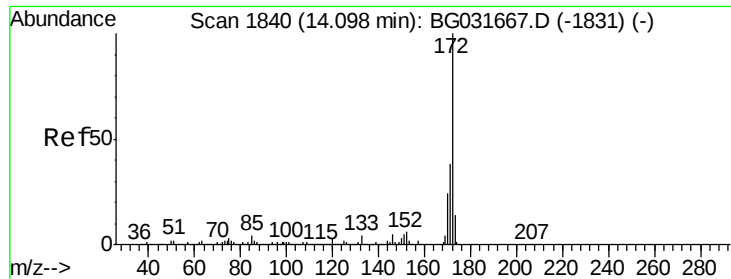


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

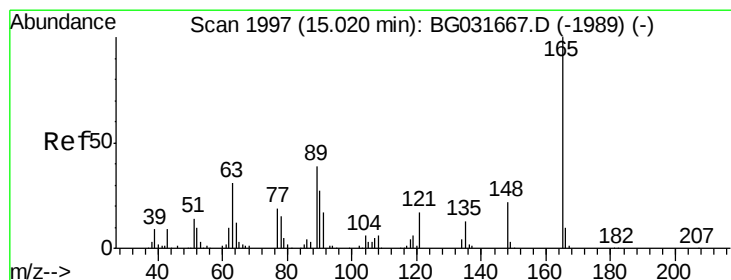
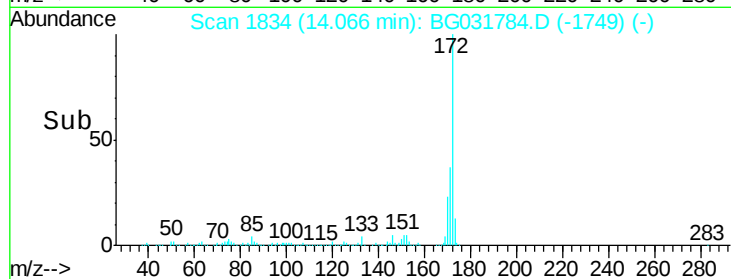
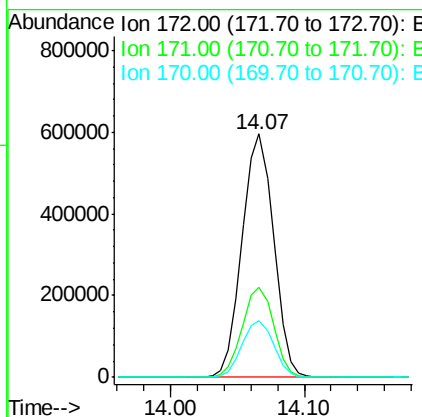
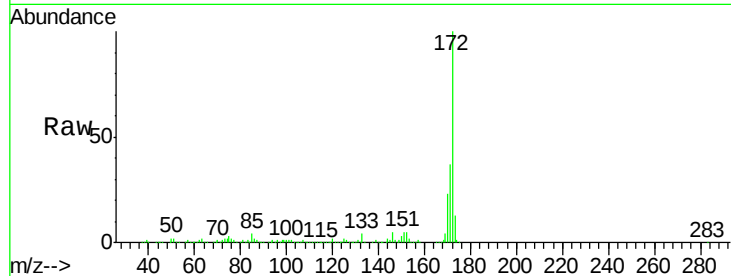




#44  
 2-Fluorobiphenyl  
 Concen: 87.48 ng  
 RT: 14.07 min Scan# 1834  
 Delta R.T. -0.03 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

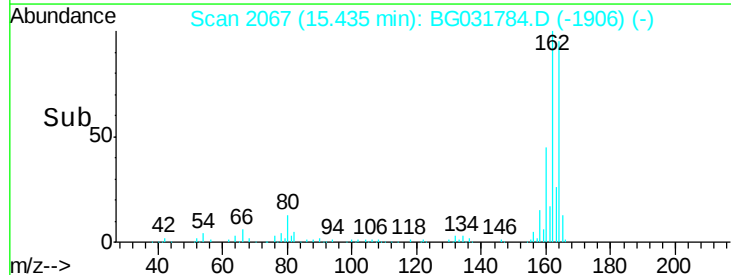
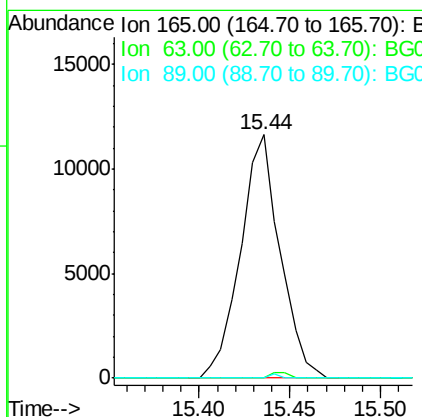
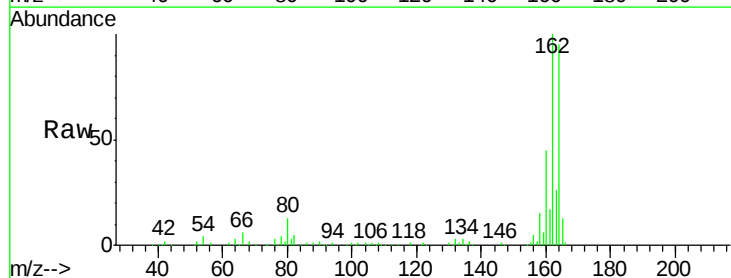
Instrument :  
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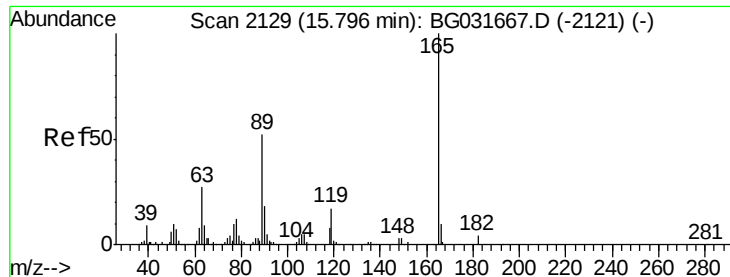
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |



#50  
 2,6-Dinitrotoluene  
 Concen: 7.80 ng  
 RT: 15.44 min Scan# 2067  
 Delta R.T. 0.42 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |

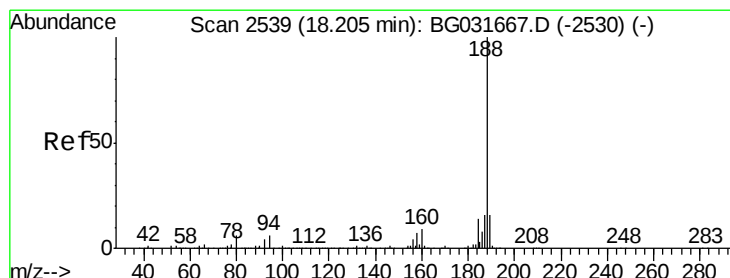
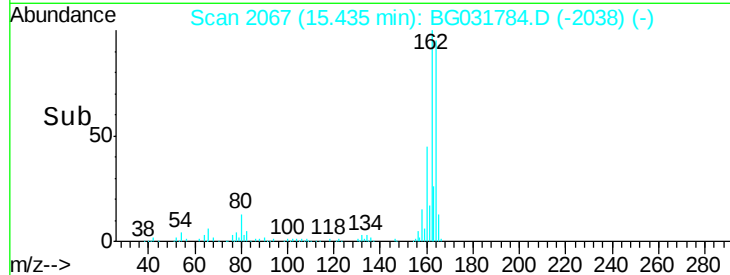
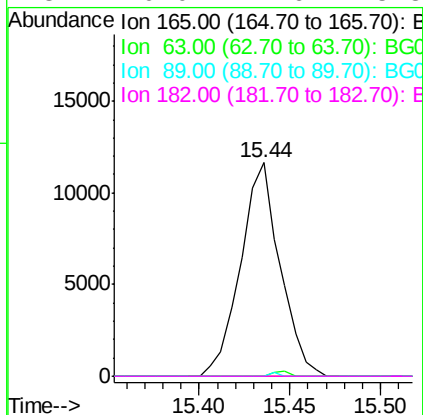
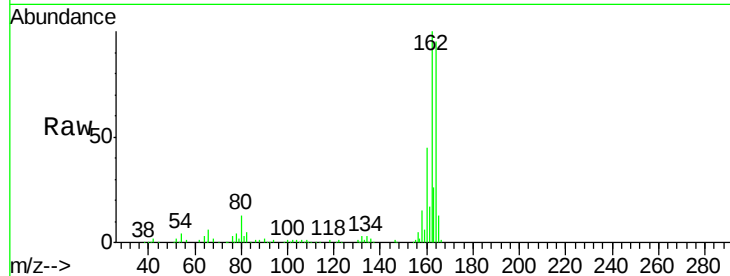




#56  
 2,4-Dinitrotoluene  
 Concen: 6.07 ng  
 RT: 15.44 min Scan# 2067  
 Delta R.T. -0.36 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

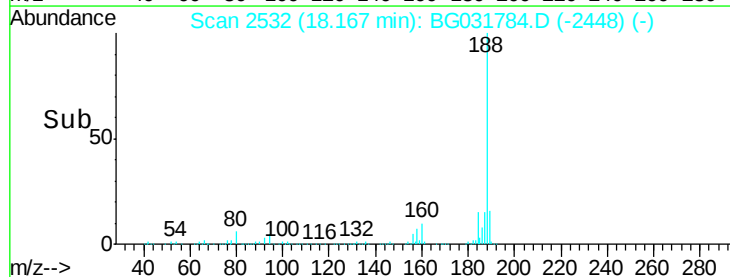
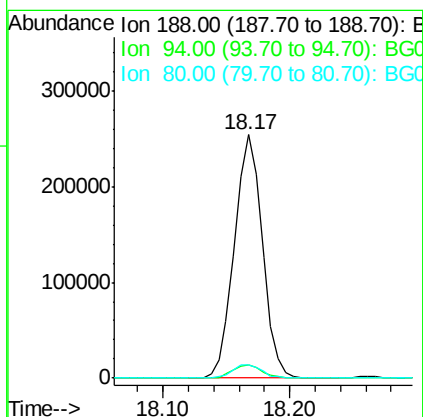
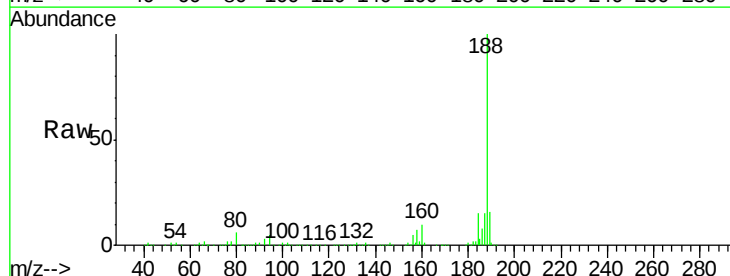
Instrument :  
 BNA\_G  
 ClientSampleId :  
 121917-JETT-F-D-M

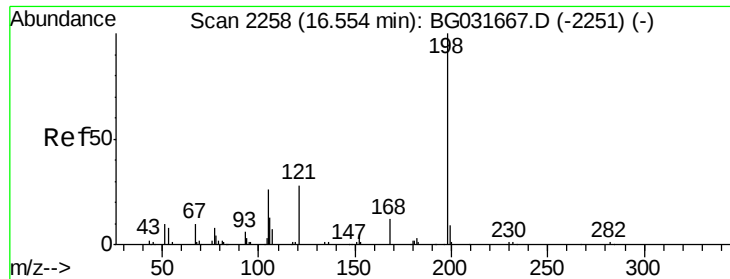
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:165 | Resp: | 17665       |
| Ion Ratio   | Lower | Upper       |
| 165         | 100   |             |
| 63          | 0.0   | 42.0 63.0#  |
| 89          | 0.0   | 66.9 100.3# |
| 182         | 0.0   | 2.6 3.8#    |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 18.17 min Scan# 2532  
 Delta R.T. -0.04 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:188 | Resp: | 387605    |
| Ion Ratio   | Lower | Upper     |
| 188         | 100   |           |
| 94          | 5.3   | 6.9 10.3# |
| 80          | 5.7   | 7.7 11.5# |

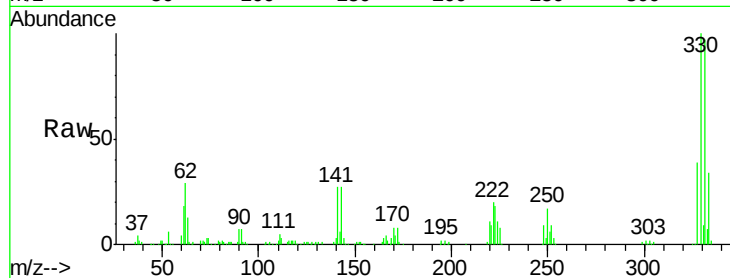




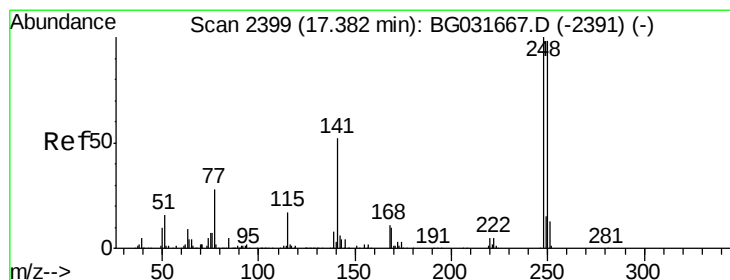
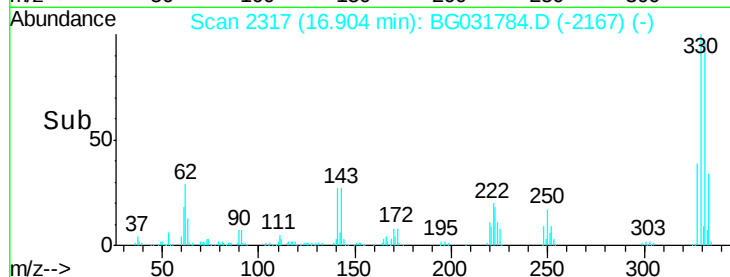
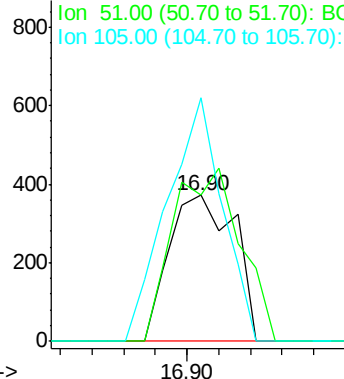
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.54 ng  
 RT: 16.90 min Scan# 2317  
 Delta R.T. 0.35 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121917-JETT-F-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 100.3 | 30.6  | 70.6# |
| 105     | 167.1 | 23.8  | 63.8# |

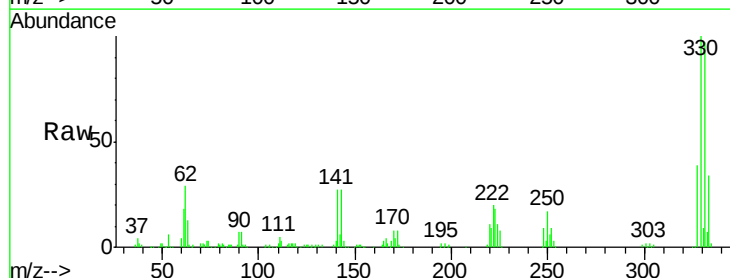


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

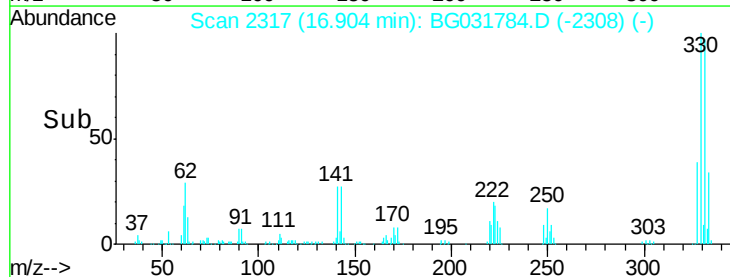
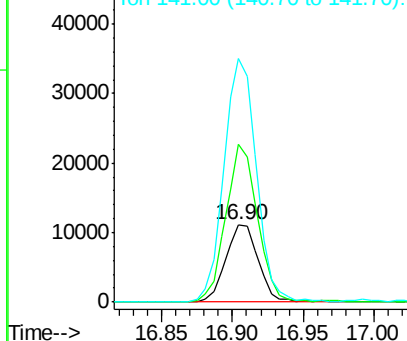


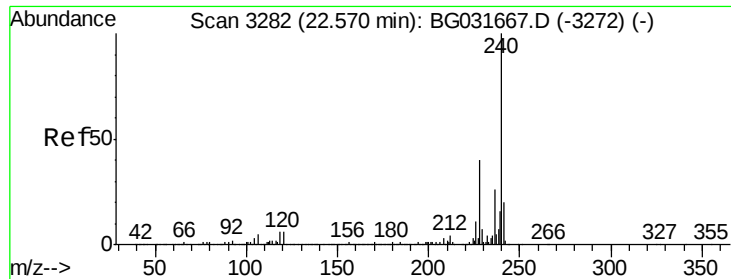
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.18 ng  
 RT: 16.90 min Scan# 2317  
 Delta R.T. -0.48 min  
 Lab File: BG031784.D  
 Acq: 27 Dec 2017 5:53

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 203.0 | 77.1  | 115.7# |
| 141     | 312.8 | 50.8  | 76.2#  |



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

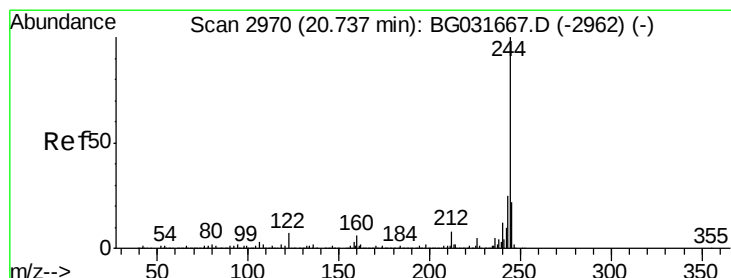
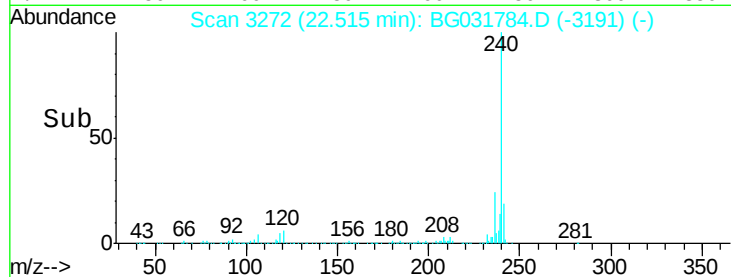
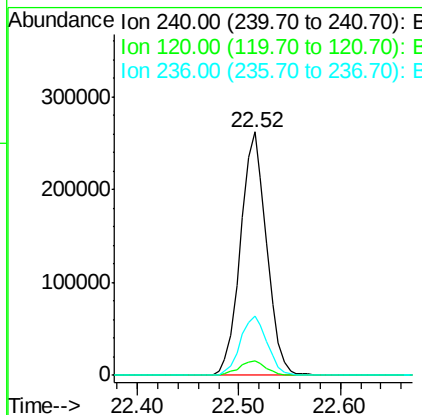
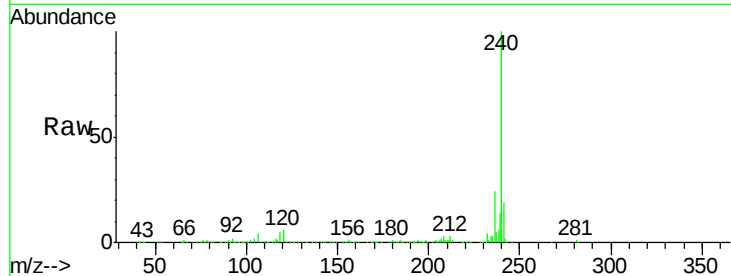




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.52 min Scan# 3272  
Delta R.T. -0.05 min  
Lab File: BG031784.D  
Acq: 27 Dec 2017 5:53

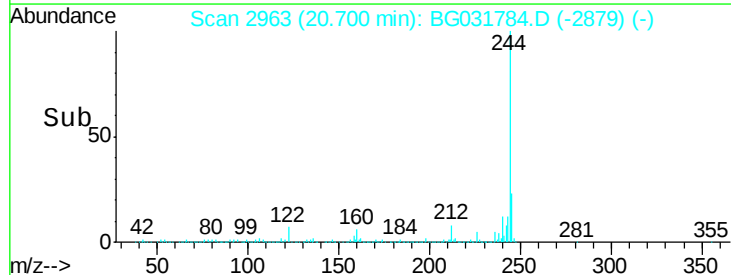
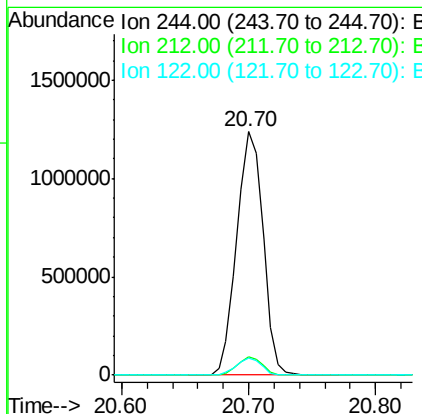
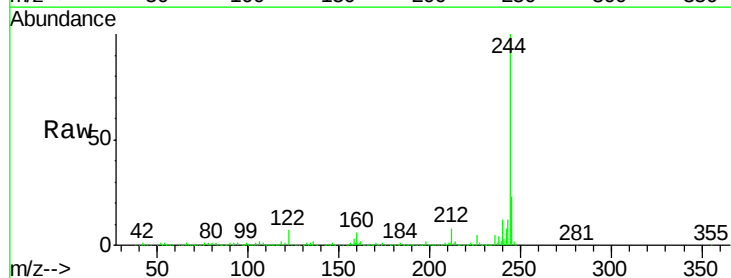
Instrument :  
BNA\_G  
ClientSampleId :  
121917-JETT-F-D-M

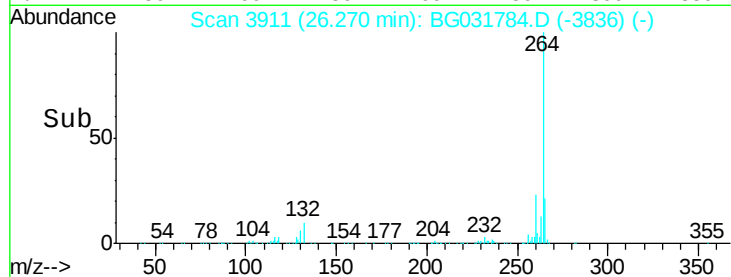
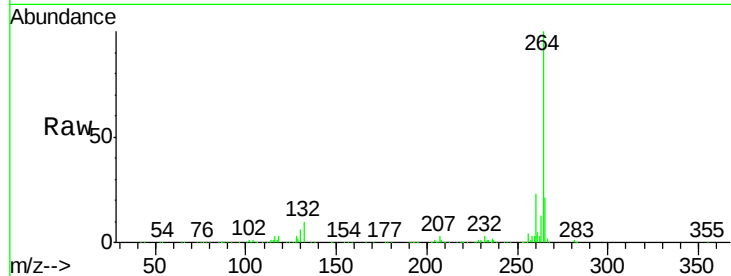
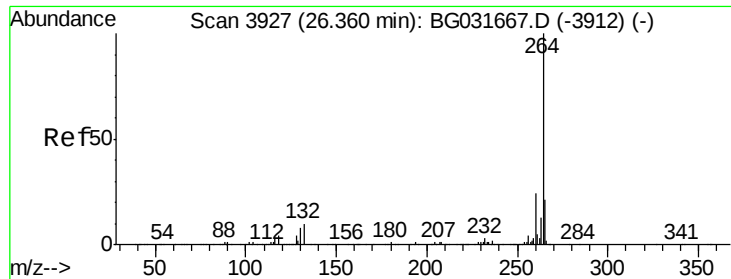
Tot Ion:240 Resp: 467303  
Ion Ratio Lower Upper  
240 100  
120 6.2 6.8 10.2#  
236 24.2 20.9 31.3



#78  
Terphenyl-d14  
Concen: 86.98 ng  
RT: 20.70 min Scan# 2963  
Delta R.T. -0.04 min  
Lab File: BG031784.D  
Acq: 27 Dec 2017 5:53

Tgt Ion:244 Resp: 1779077  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.8 8.8  
122 7.2 7.0 10.4





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 26.27 min Scan# 3911  
Delta R.T. -0.09 min  
Lab File: BG031784.D  
Acq: 27 Dec 2017 5:53

Instrument :  
BNA\_G  
ClientSampleId :  
121917-JETT-F-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 17.4  | 26.0  |
| 265     | 20.6  | 17.7  | 26.5  |

