

Data Path : U:\HPCHEM1\BNA G\DATA\BG010418\  
 Data File : BG031923.D  
 Acq On : 4 Jan 2018 19:59  
 Operator : SJ/JU  
 Sample : J1025-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 05 03:12:33 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 15:51:46 2017  
 Response via : Initial Calibration

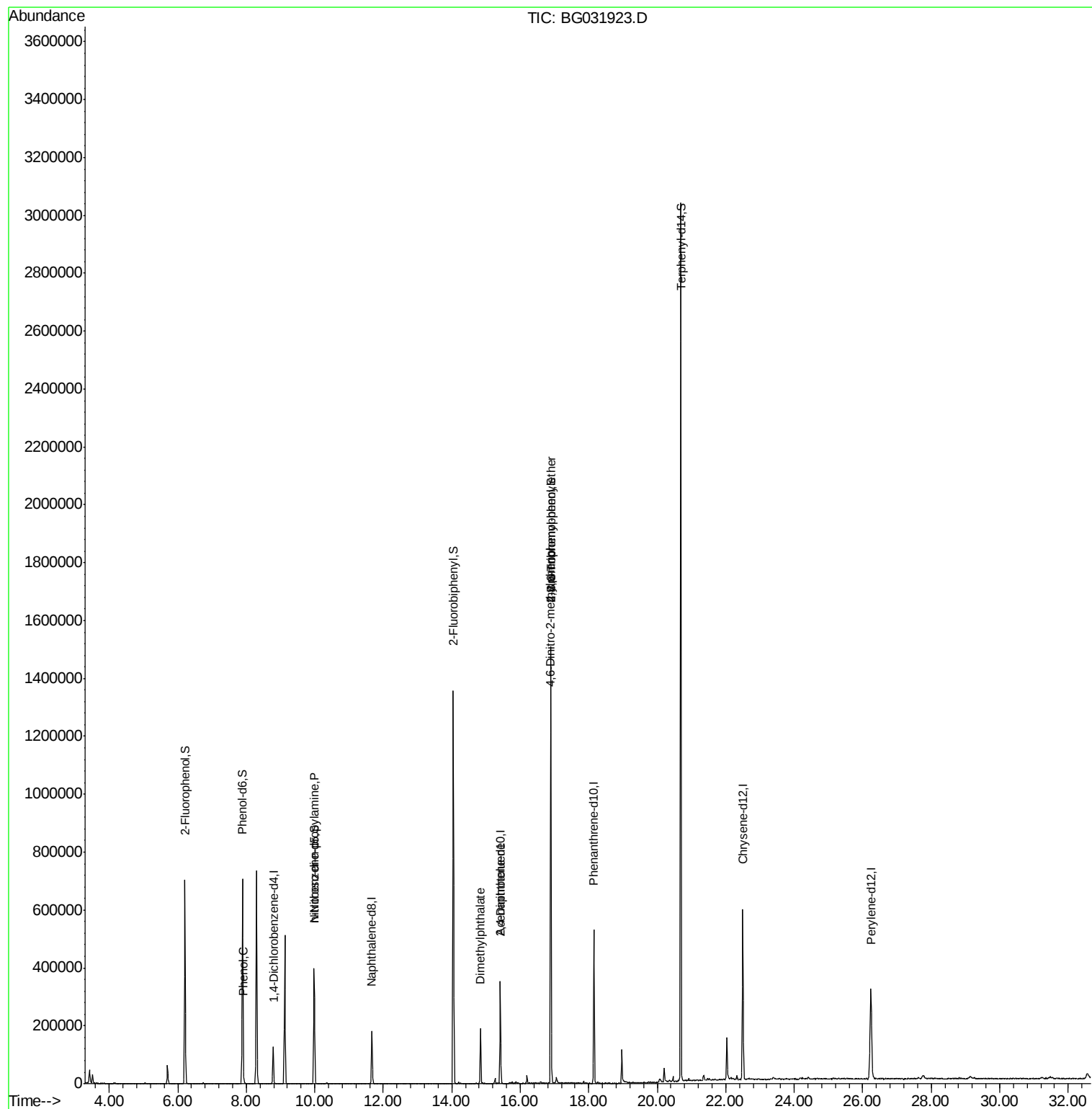
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.79  | 152  | 45015    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.67 | 136  | 185577   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 15.41 | 164  | 135205   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 18.15 | 188  | 377390   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 22.49 | 240  | 454529   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 26.24 | 264  | 443025   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.21  | 112  | 382707   | 154.85 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.89  | 99   | 494014   | 153.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.98  | 82   | 260149   | 105.86 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.89 | 330  | 362190   | 175.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.05 | 172  | 814734   | 75.63  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.68 | 244  | 1641747  | 82.52  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.92  | 94   | 18957    | 5.852  | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 9.98  | 70   | 34606    | 15.792 | ng    | # 71     |
| 49) Dimethylphthalate          | 14.84 | 163  | 145600   | 12.224 | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 15.41 | 165  | 17741    | 6.297  | ng    | # 18     |
| 64) 4,6-Dinitro-2-methylphenol | 16.88 | 198  | 866      | 8.696  | ng    | # 45     |
| 66) 4-Bromophenyl-phenylether  | 16.89 | 248  | 28596    | 5.240  | ng    | # 1      |

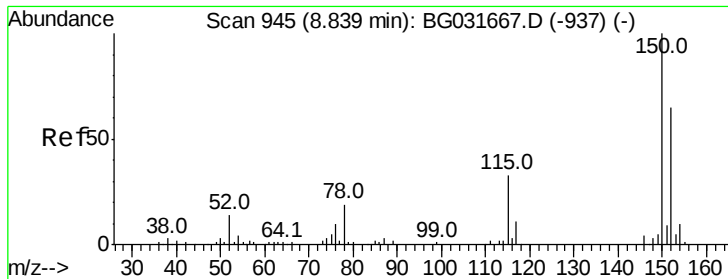
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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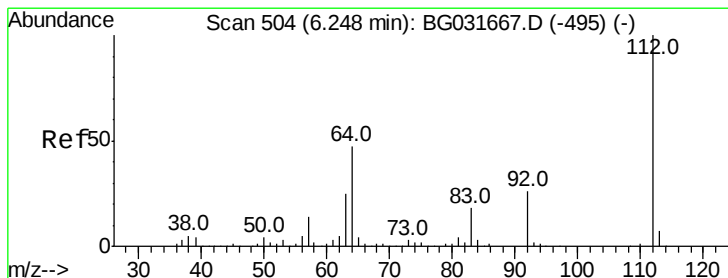
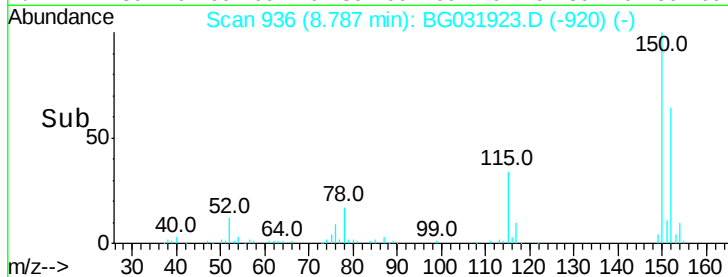
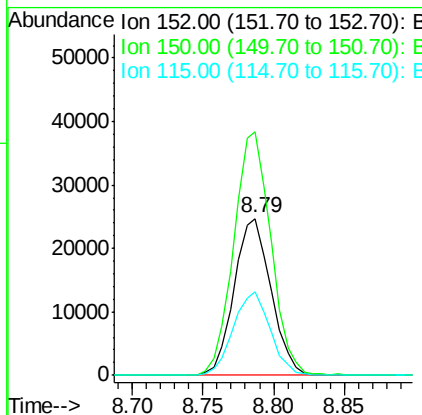
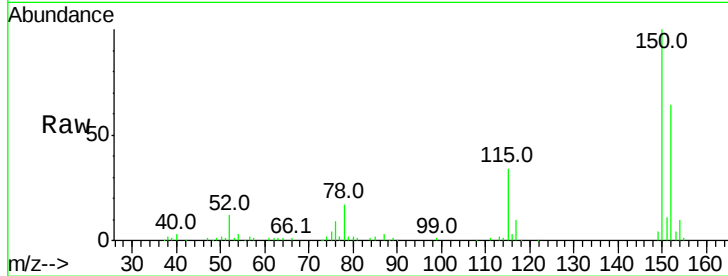


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.79 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Instrument :  
 BNA\_G  
 ClientSampled :

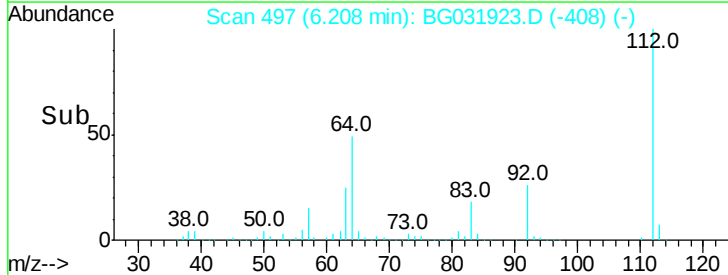
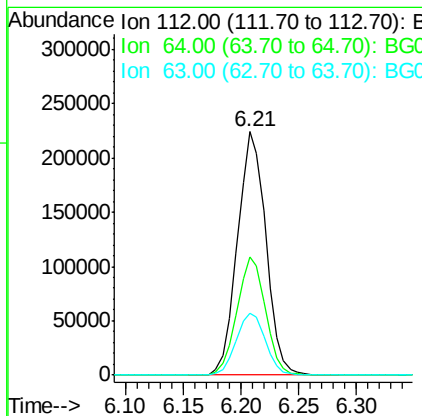
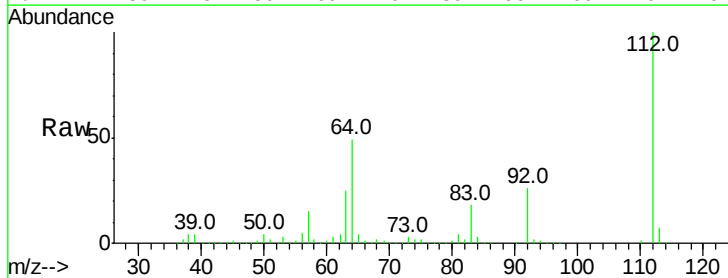
Tot Ion:152 Resp: 45015  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 126.6 189.8  
 115 53.1 53.0 79.4



#5

2-Fluorophenol  
 Concen: 154.850 ng  
 RT: 6.21 min Scan# 497  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Tgt Ion:112 Resp: 382707  
 Ion Ratio Lower Upper  
 112 100  
 64 48.7 56.3 84.5#  
 63 25.4 30.1 45.1#





#7

Phenol-d6

Concen: 153.957 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

Instrument :

BNA\_G

ClientSampleId :

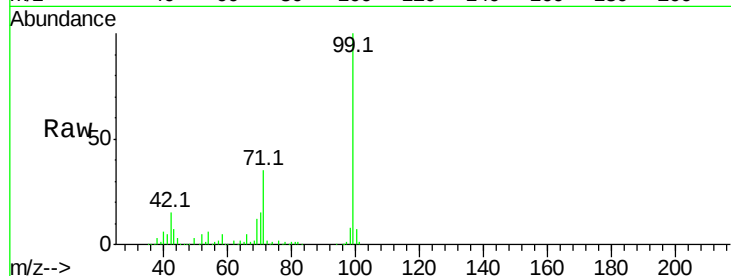
Tot Ion: 99 Resp: 494014

Ion Ratio Lower Upper

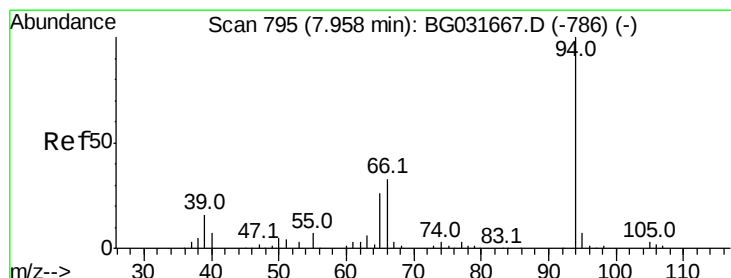
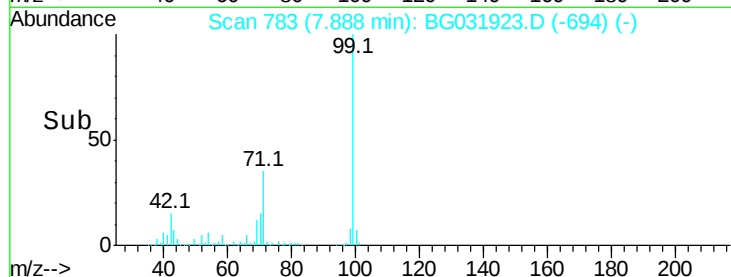
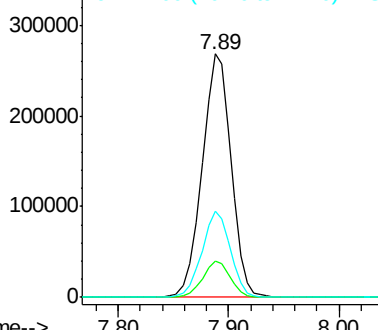
99 100

42 14.7 14.1 21.1

71 35.3 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



#10

Phenol

Concen: 5.852 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

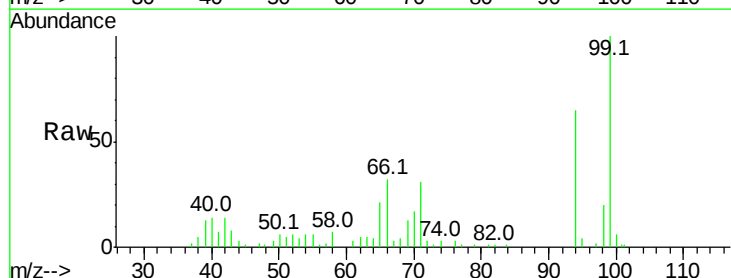
Tgt Ion: 94 Resp: 18957

Ion Ratio Lower Upper

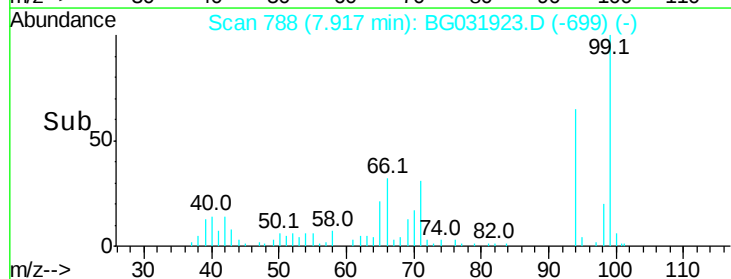
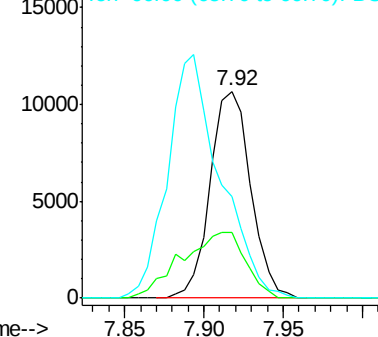
94 100

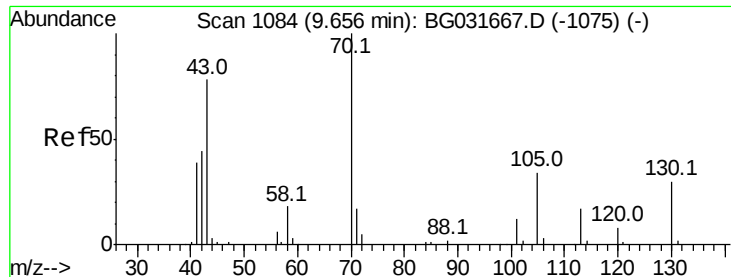
65 31.9 11.9 51.9

66 49.0 22.2 62.2



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

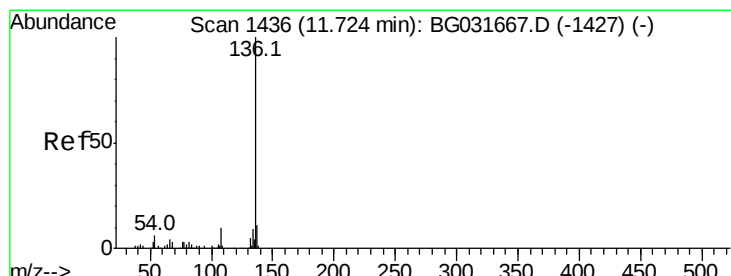
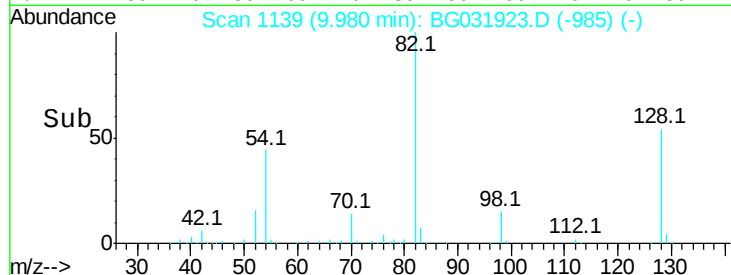
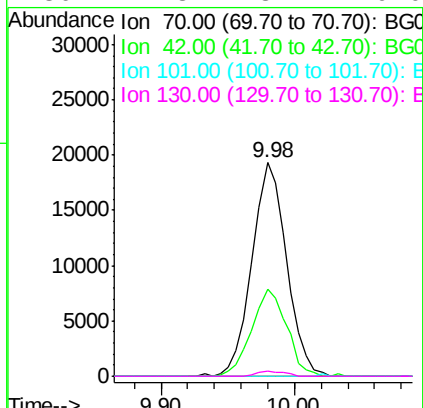
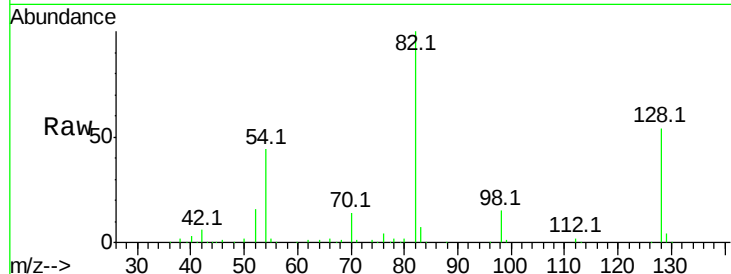




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.792 ng  
RT: 9.98 min Scan# 1139  
Delta R.T. 0.38 min  
Lab File: BG031923.D  
Acq: 4 Jan 2018 19:59

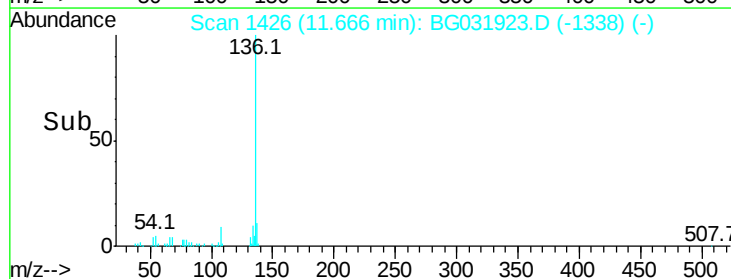
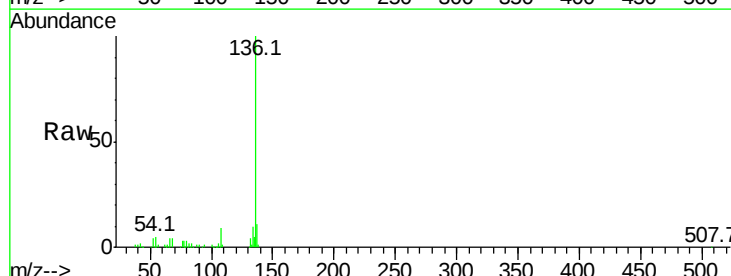
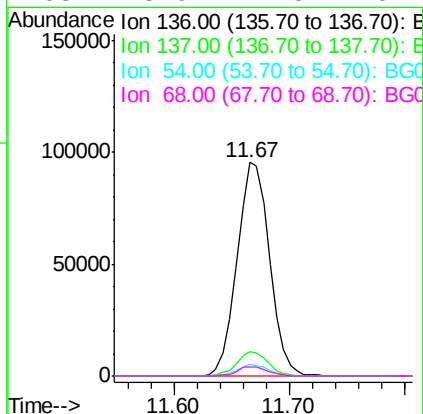
Instrument :  
BNA\_G  
ClientSampleId :

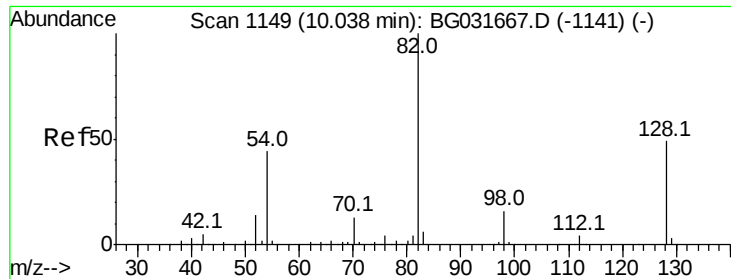
Tot Ion: 70 Resp: 34606  
Ion Ratio Lower Upper  
70 100  
42 40.5 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.3 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.67 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BG031923.D  
Acq: 4 Jan 2018 19:59

Tgt Ion:136 Resp: 185577  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.2 13.8  
54 5.5 10.3 15.5#  
68 3.9 4.5 6.7#

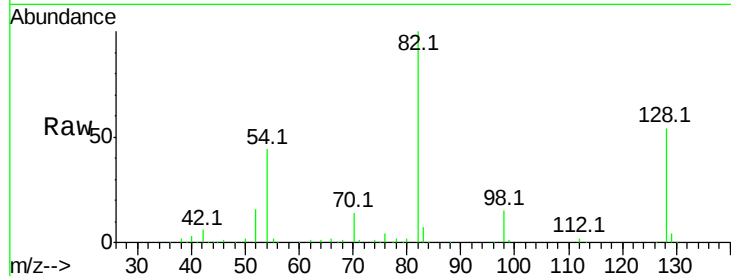




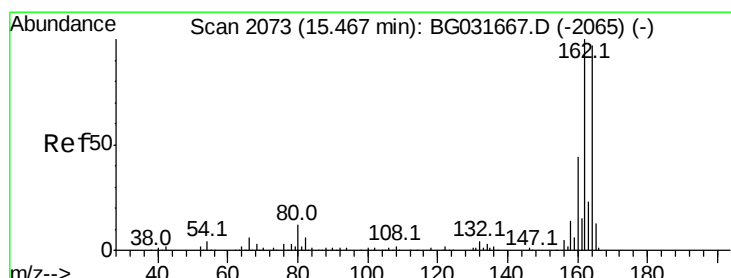
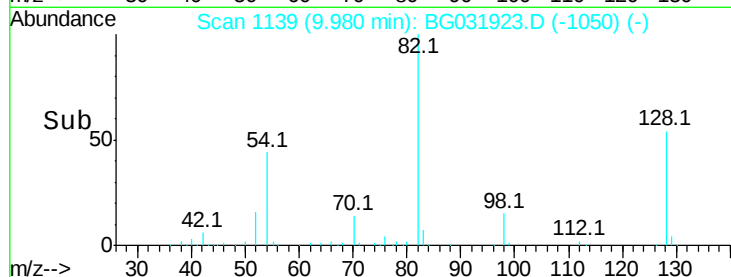
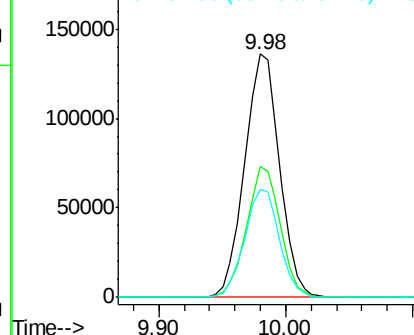
#23  
 Nitrobenzene-d5  
 Concen: 105.856 ng  
 RT: 9.98 min Scan# 1139  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 260149  
 Ion Ratio Lower Upper  
 82 100  
 128 53.6 29.7 44.5#  
 54 44.1 43.1 64.7

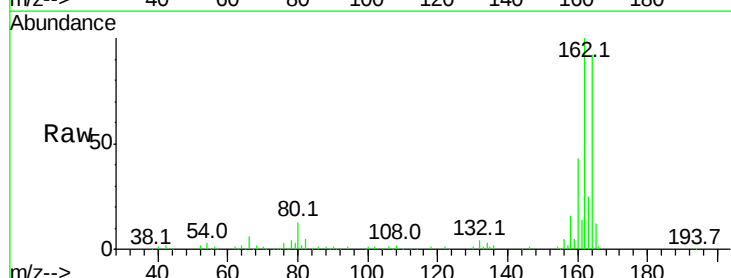


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

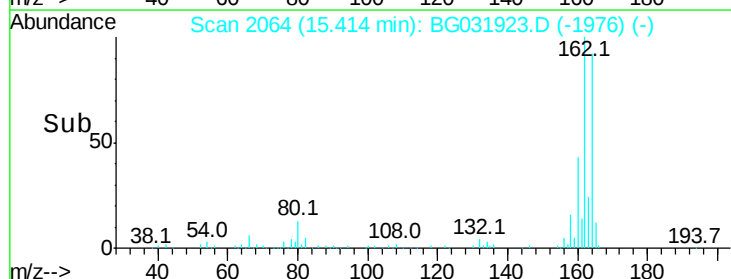
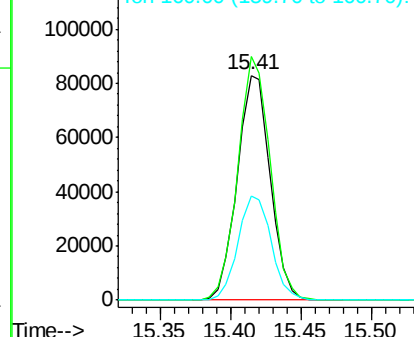


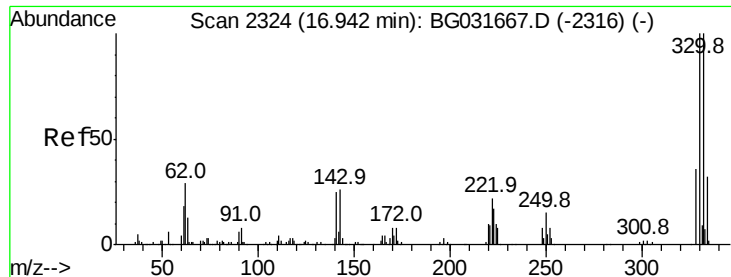
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.41 min Scan# 2064  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Tgt Ion:164 Resp: 135205  
 Ion Ratio Lower Upper  
 164 100  
 162 108.2 78.8 118.2  
 160 46.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

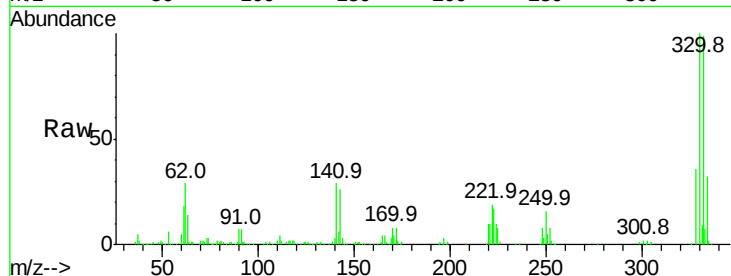




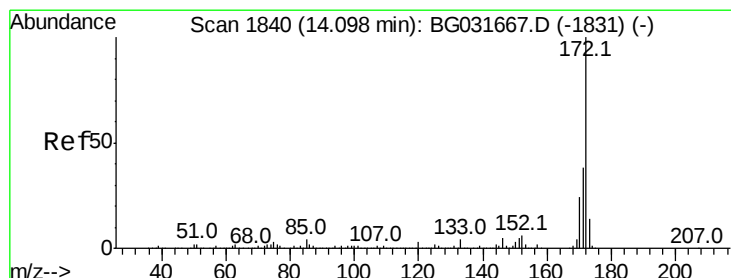
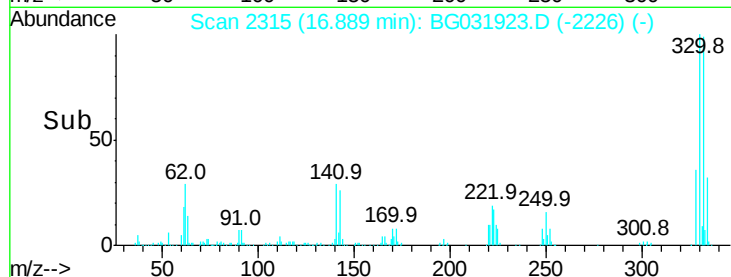
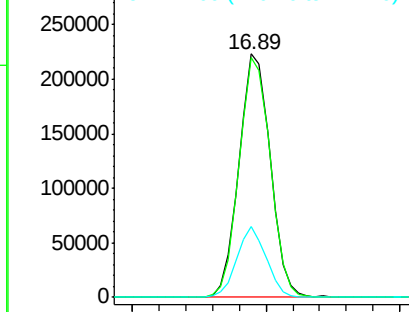
#41  
 2,4,6-Tribromophenol  
 Concen: 175.561 ng  
 RT: 16.89 min Scan# 2315  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 77.0  | 115.6 |
| 141     | 27.2  | 25.2  | 37.8  |

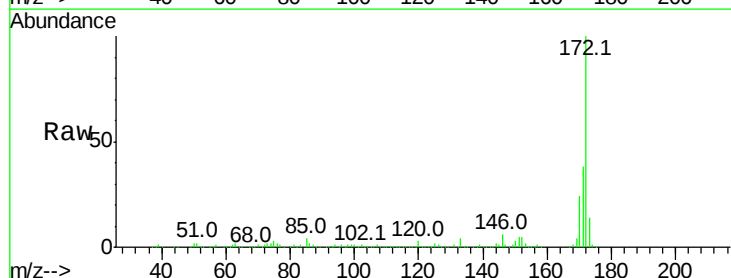


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

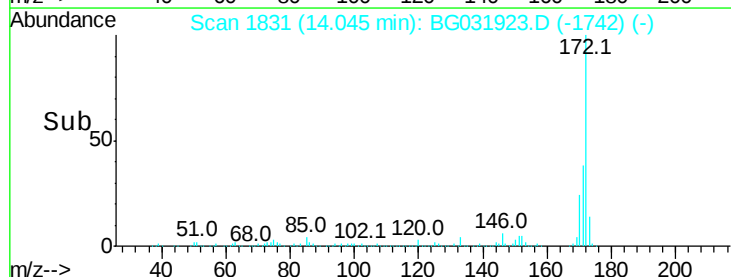
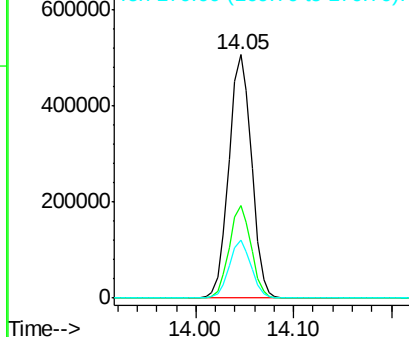


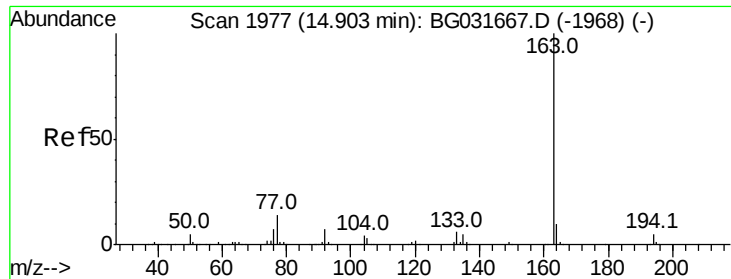
#44  
 2-Fluorobiphenyl  
 Concen: 75.633 ng  
 RT: 14.05 min Scan# 1831  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.0  | 45.0  |
| 170     | 23.6  | 19.5  | 29.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 12.224 ng

RT: 14.84 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

Instrument :

BNA\_G

ClientSampleId :

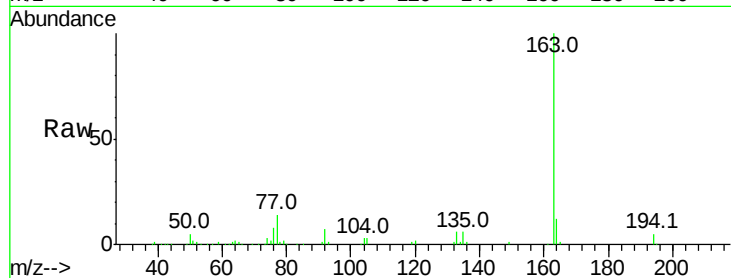
Tot Ion:163 Resp: 145600

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

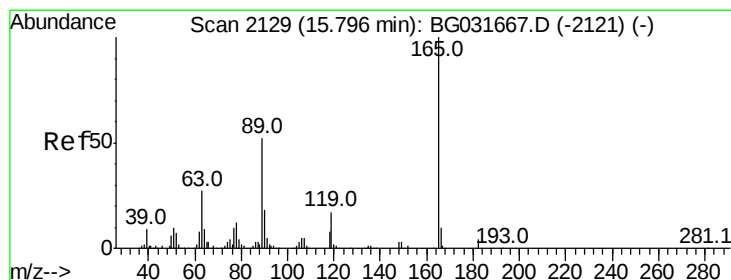
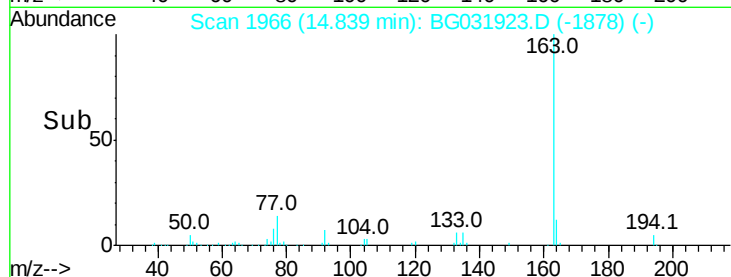
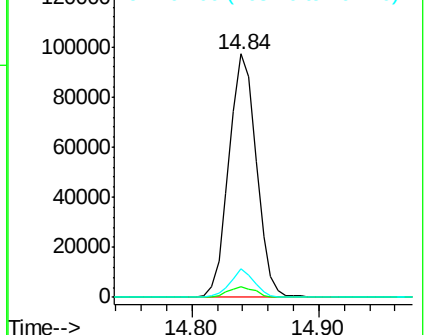
164 11.6 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.297 ng

RT: 15.41 min Scan# 2064

Delta R.T. -0.34 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

Tgt Ion:165 Resp: 17741

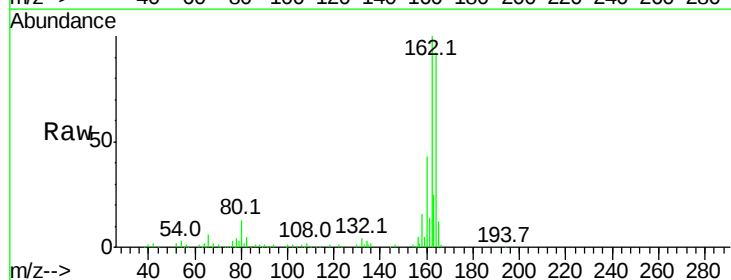
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.4 66.9 100.3#

182 0.0 2.6 3.8#

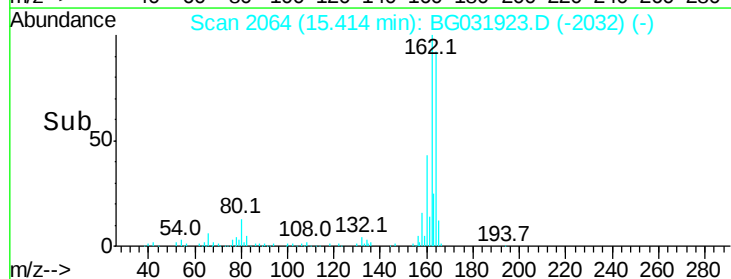
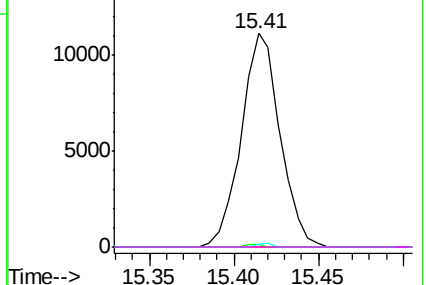


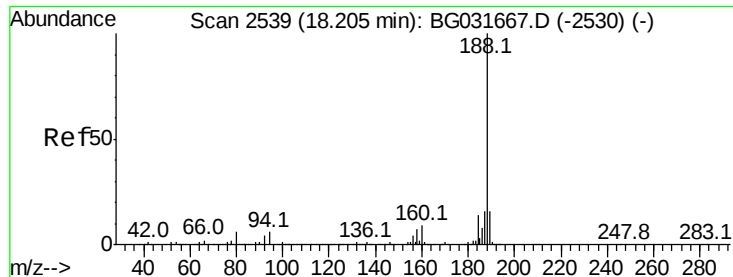
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

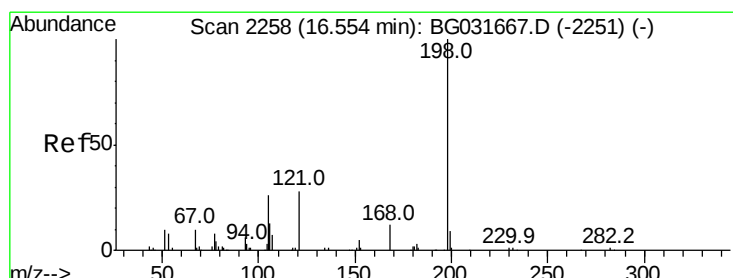
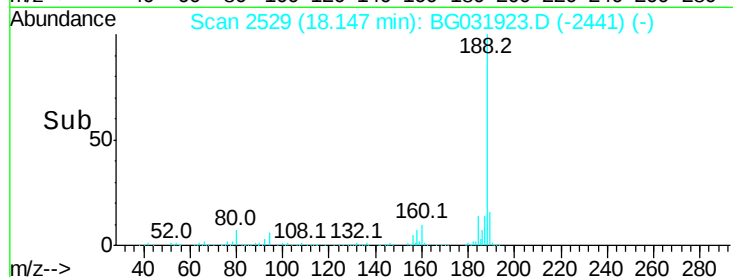
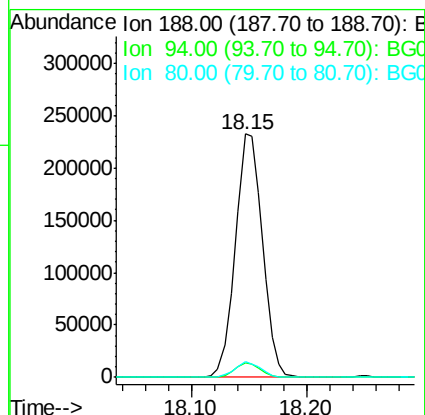
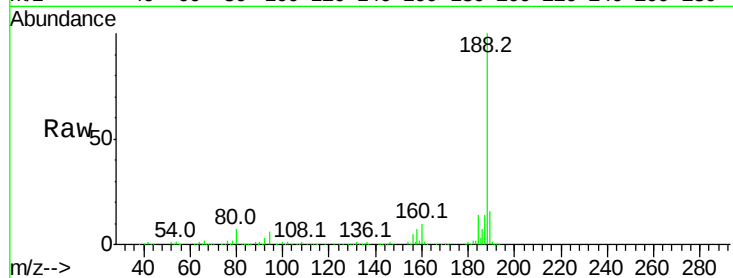




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.15 min Scan# 2529  
Delta R.T. -0.01 min  
Lab File: BG031923.D  
Acq: 4 Jan 2018 19:59

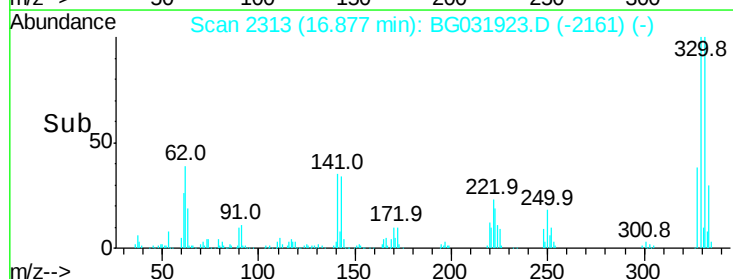
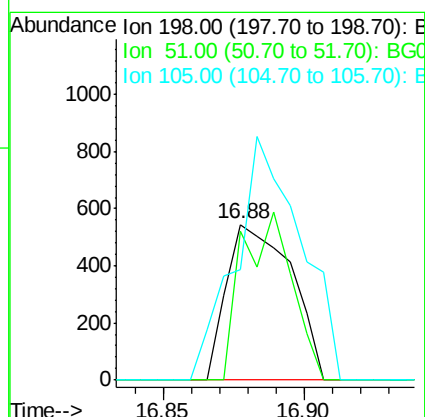
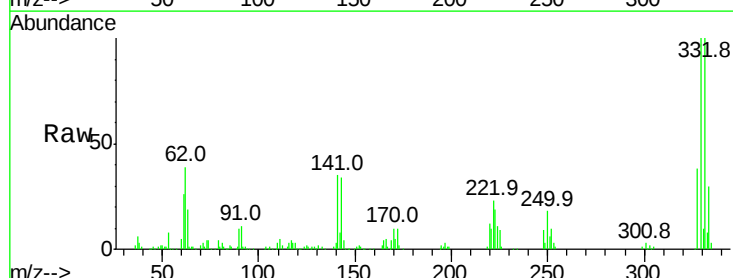
Instrument :  
BNA\_G  
ClientSampleId :

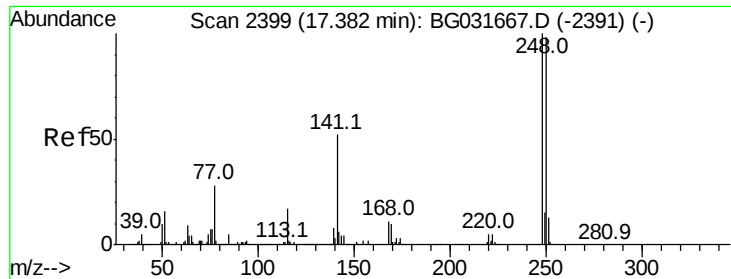
Tot Ion:188 Resp: 377390  
Ion Ratio Lower Upper  
188 100  
94 5.8 6.9 10.3#  
80 6.6 7.7 11.5#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.696 ng  
RT: 16.88 min Scan# 2313  
Delta R.T. 0.36 min  
Lab File: BG031923.D  
Acq: 4 Jan 2018 19:59

Tgt Ion:198 Resp: 866  
Ion Ratio Lower Upper  
198 100  
51 95.8 30.6 70.6#  
105 71.0 23.8 63.8#

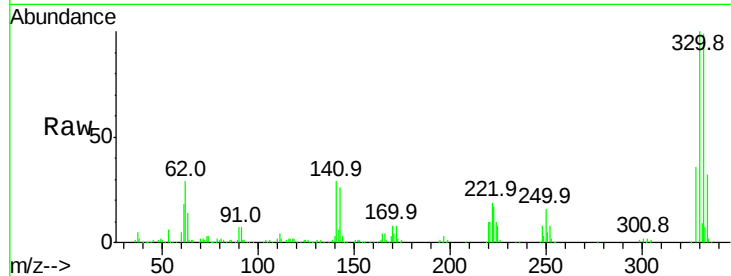




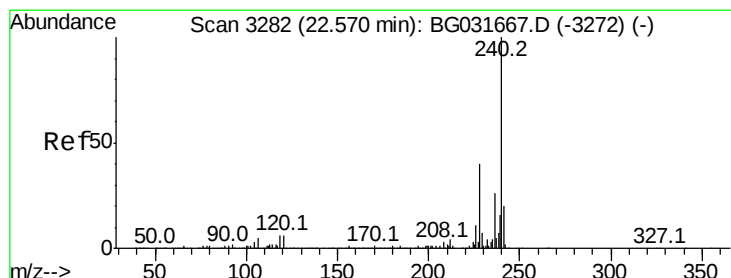
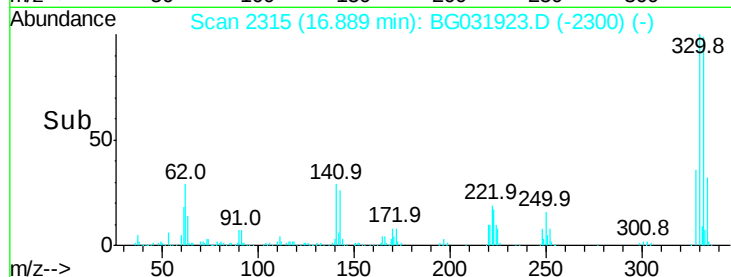
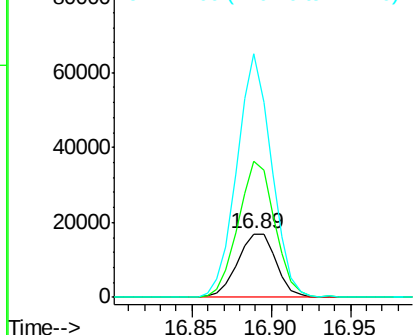
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.240 ng  
 RT: 16.89 min Scan# 2315  
 Delta R.T. -0.44 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:248 Resp: 28596  
 Ion Ratio Lower Upper  
 248 100  
 250 215.0 77.1 115.7#  
 141 384.2 50.8 76.2#

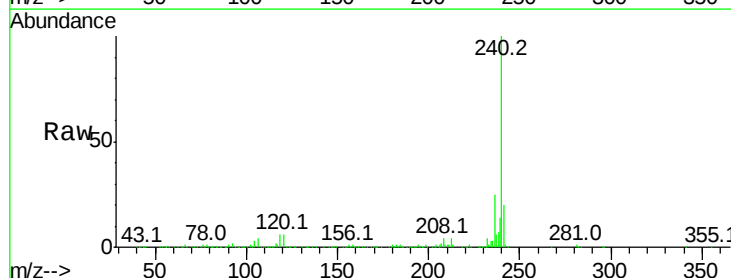


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

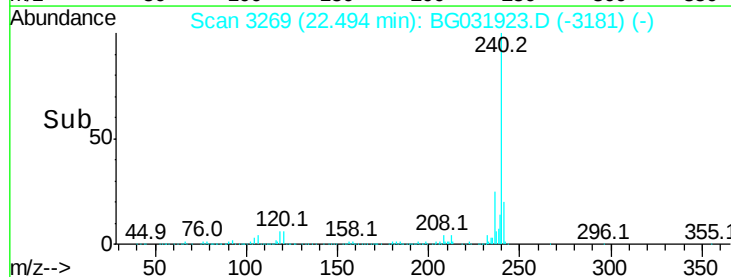
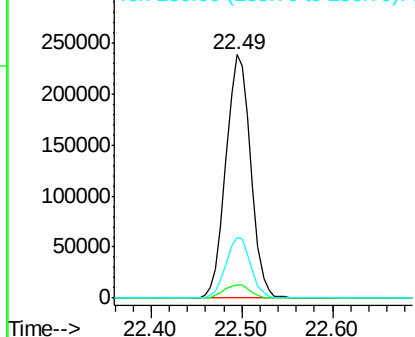


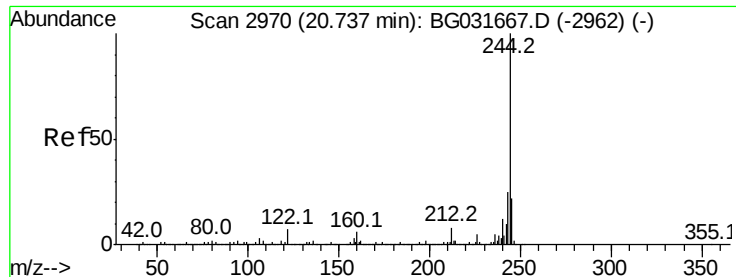
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.49 min Scan# 3269  
 Delta R.T. -0.01 min  
 Lab File: BG031923.D  
 Acq: 4 Jan 2018 19:59

Tgt Ion:240 Resp: 454529  
 Ion Ratio Lower Upper  
 240 100  
 120 5.6 6.8 10.2#  
 236 25.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.521 ng

RT: 20.68 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

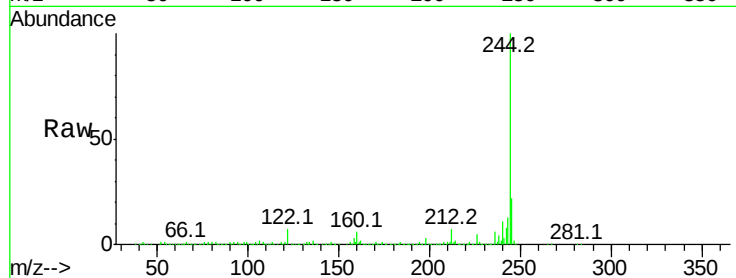
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1641747

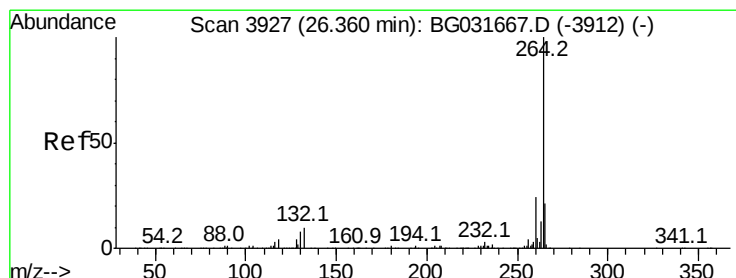
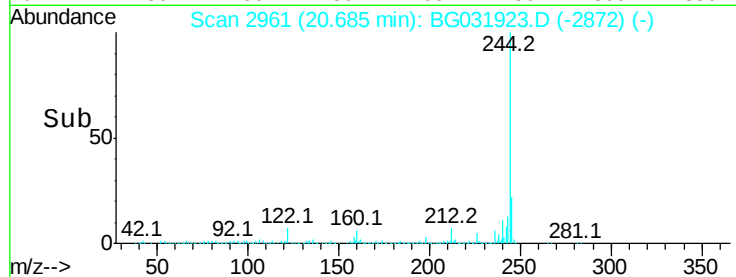
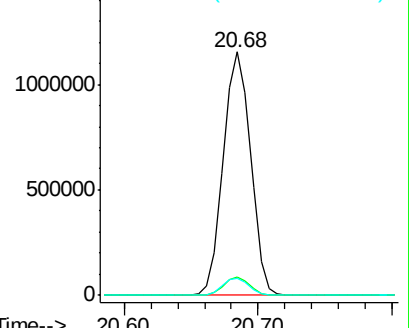
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.8   | 8.8   |
| 122 | 7.0   | 7.0   | 10.4  |



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.24 min Scan# 3906

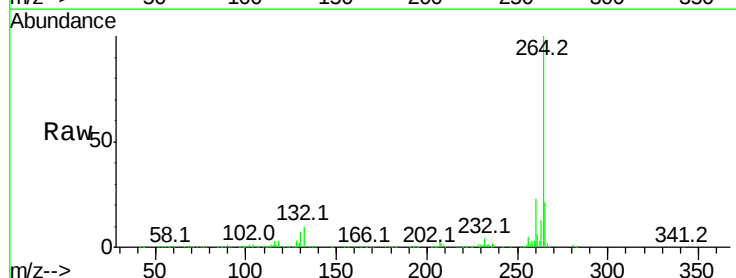
Delta R.T. -0.02 min

Lab File: BG031923.D

Acq: 4 Jan 2018 19:59

Tgt Ion:264 Resp: 443025

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 17.4  | 26.0  |
| 265 | 21.3  | 17.7  | 26.5  |



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

