

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\  
 Data File : BG032601.D  
 Acq On : 7 Feb 2018 19:43  
 Operator : SJ/JU  
 Sample : J1461-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 08 02:26:45 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 18:57:08 2018  
 Response via : Initial Calibration

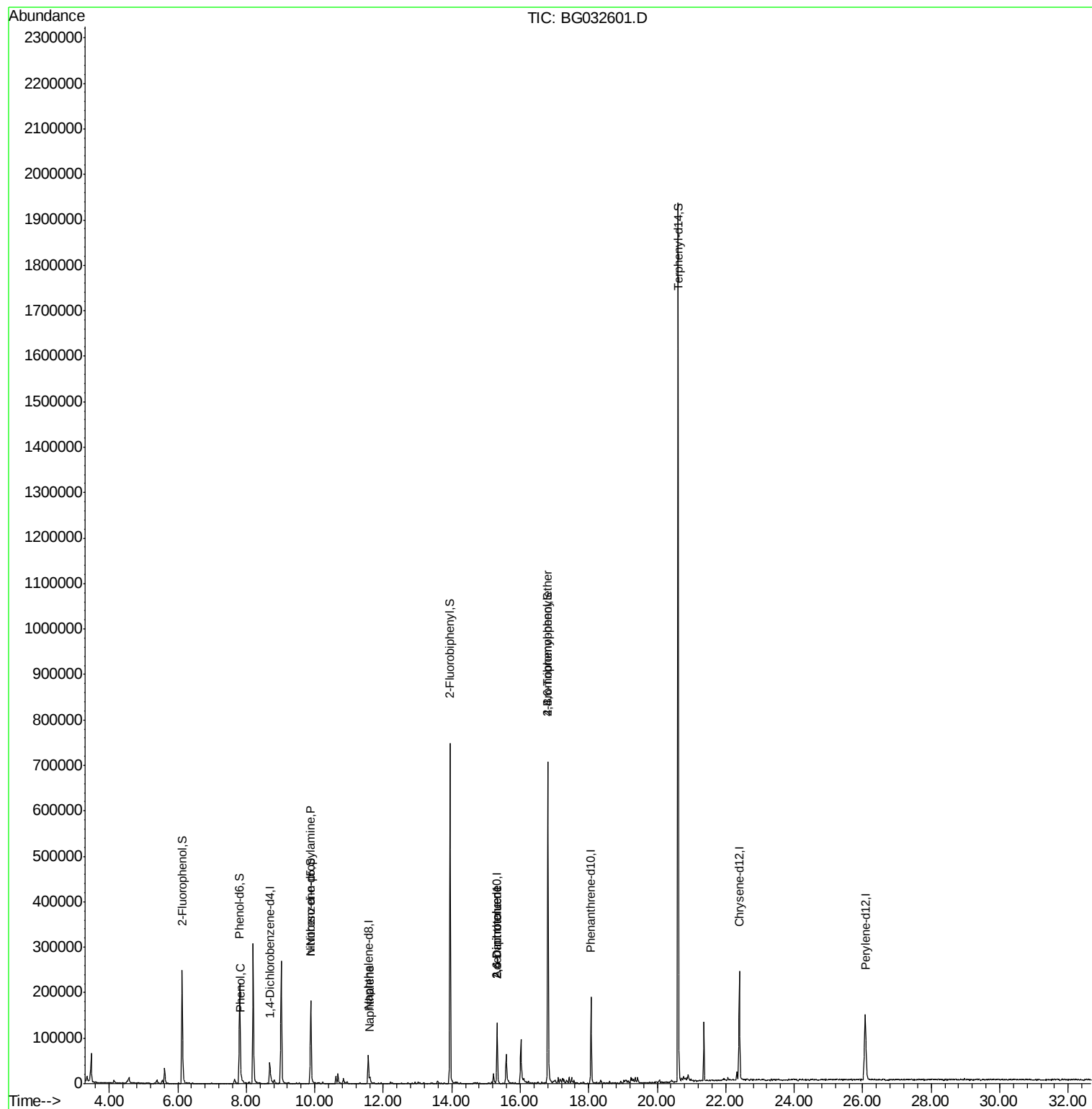
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.69  | 152  | 18313    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 11.56 | 136  | 71556    | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 15.32 | 164  | 56021    | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 18.07 | 188  | 144681   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 22.40 | 240  | 186417   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12               | 26.07 | 264  | 209623   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 6.13  | 112  | 136671   | 149.90 | ng    | -0.02     |
| 7) Phenol-d6                   | 7.81  | 99   | 147866   | 121.54 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 9.89  | 82   | 120142   | 104.87 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 16.81 | 330  | 183392   | 171.98 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 13.95 | 172  | 450032   | 95.48  | ng    | -0.02     |
| 78) Terphenyl-d14              | 20.61 | 244  | 1031344  | 118.51 | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 7.84  | 94   | 6867     | 5.94   | ng    | Qvalue 83 |
| 19) n-Nitroso-di-n-propylamine | 9.89  | 70   | 18084    | 22.42  | ng    | # 71      |
| 31) Naphthalene                | 11.61 | 128  | 14395    | 4.12   | ng    | # 95      |
| 50) 2,6-Dinitrotoluene         | 15.33 | 165  | 7304     | 6.74   | ng    | # 18      |
| 56) 2,4-Dinitrotoluene         | 15.33 | 165  | 7304     | 4.73   | ng    | # 16      |
| 66) 4-Bromophenyl-phenylether  | 16.81 | 248  | 13996    | 6.53   | ng    | # 1       |

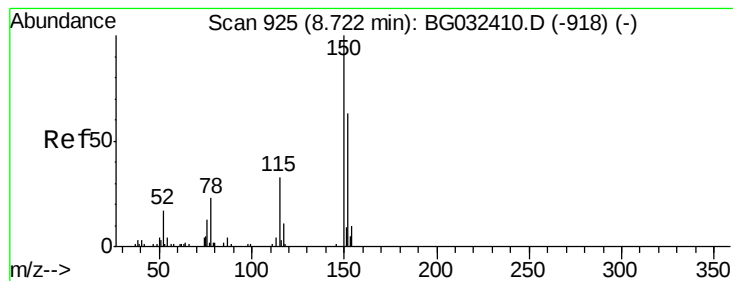
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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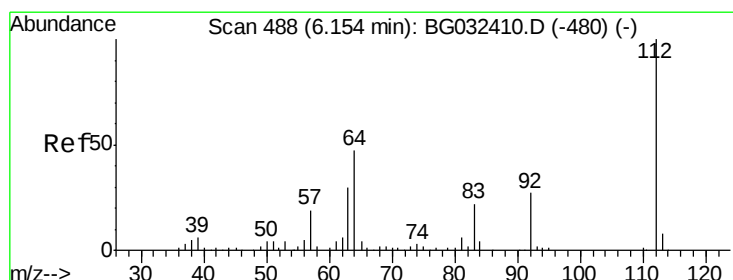
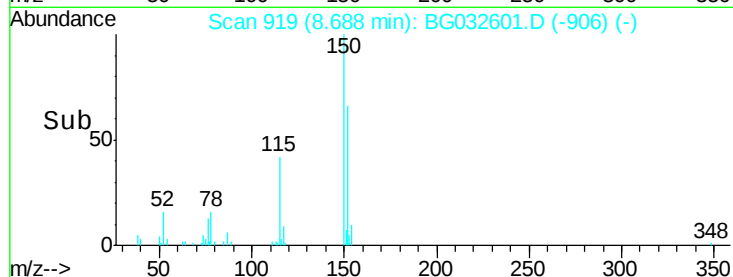
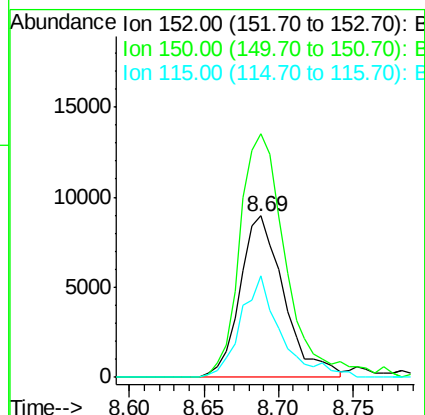
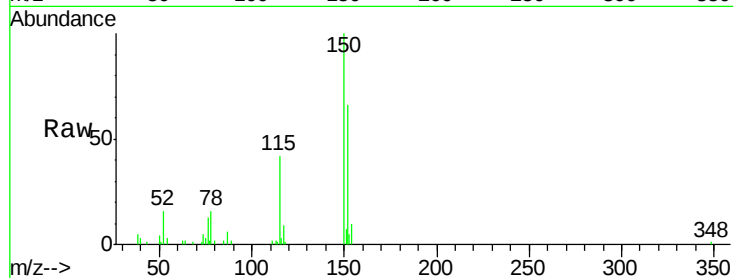


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.69 min Scan# 919  
Delta R.T. -0.02 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Instrument :  
BNA\_G  
ClientSampleId :

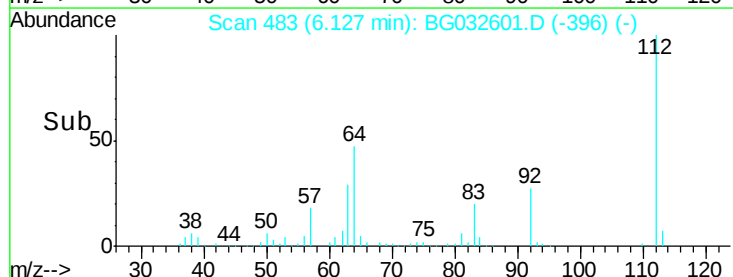
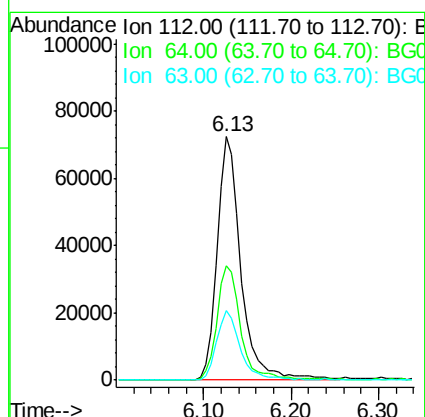
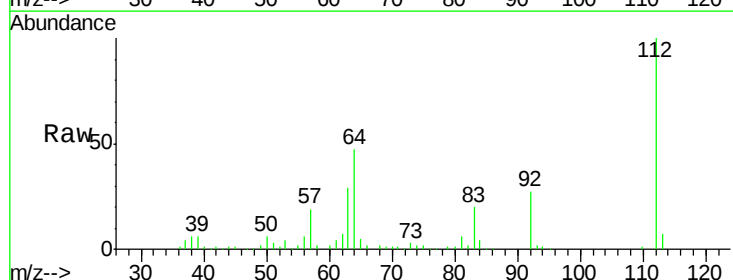
Tot Ion:152 Resp: 18313  
Ion Ratio Lower Upper  
152 100  
150 151.1 126.6 189.8  
115 62.9 53.0 79.4

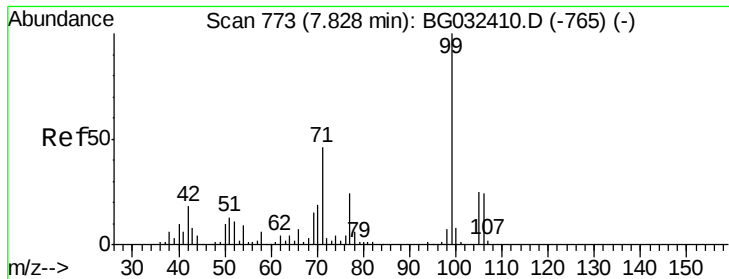


#5

2-Fluorophenol  
Concen: 149.90 ng  
RT: 6.13 min Scan# 483  
Delta R.T. -0.02 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Tgt Ion:112 Resp: 136671  
Ion Ratio Lower Upper  
112 100  
64 46.9 56.3 84.5#  
63 28.7 30.1 45.1#





#7

Phenol-d6

Concen: 121.54 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG032601.D

Acq: 7 Feb 2018 19:43

Instrument :

BNA\_G

ClientSampled :

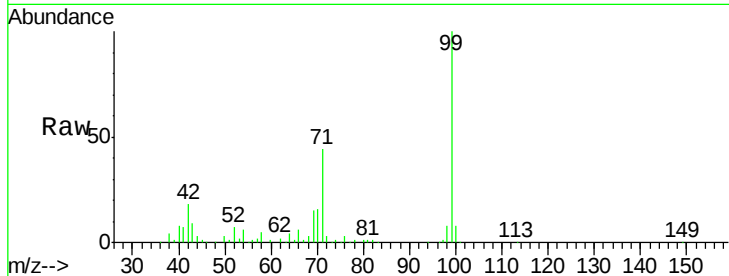
Tot Ion: 99 Resp: 147866

Ion Ratio Lower Upper

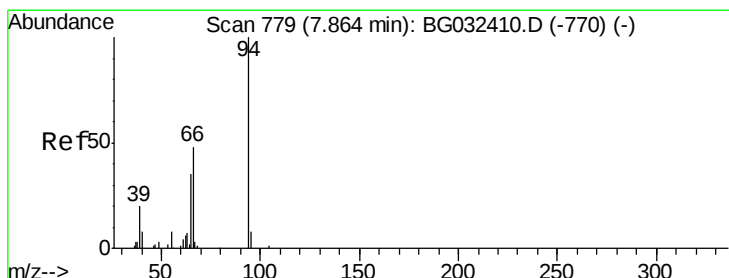
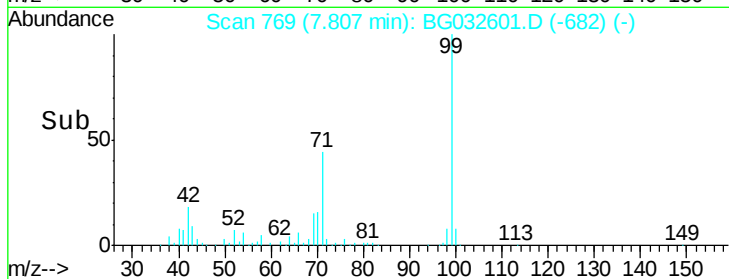
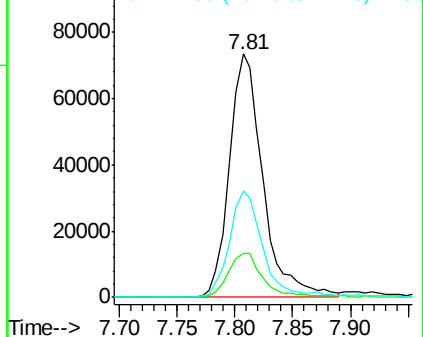
99 100

42 18.2 14.1 21.1

71 43.6 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: 5.94 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.02 min

Lab File: BG032601.D

Acq: 7 Feb 2018 19:43

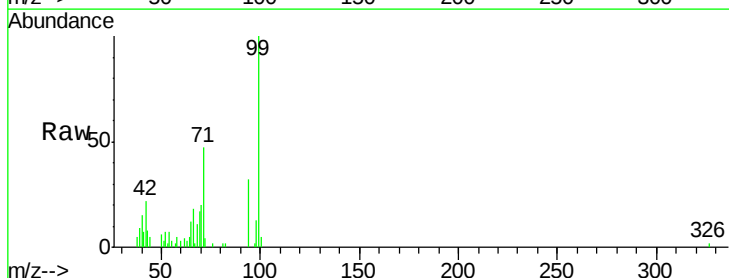
Tgt Ion: 94 Resp: 6867

Ion Ratio Lower Upper

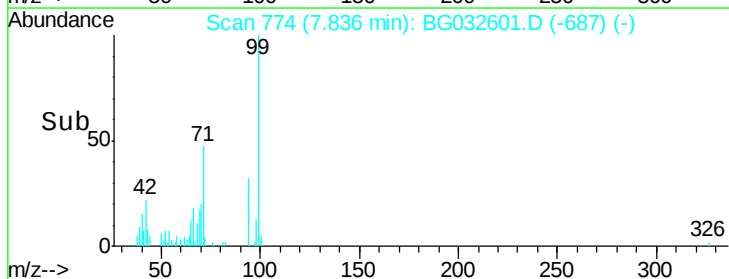
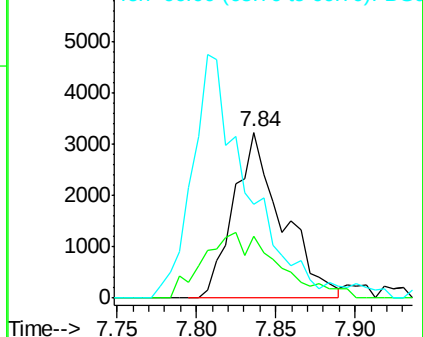
94 100

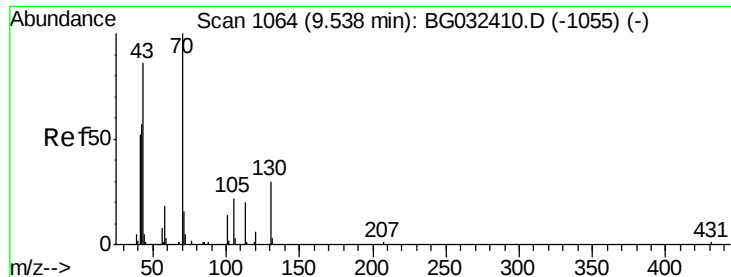
65 37.1 11.9 51.9

66 56.6 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

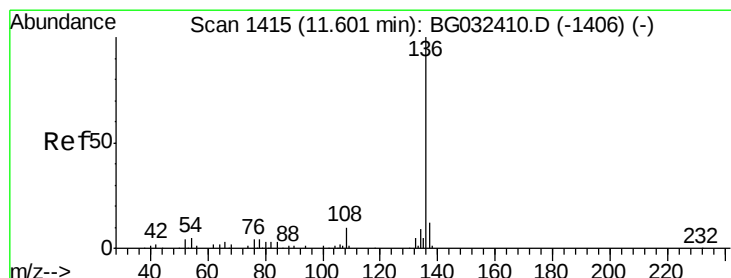
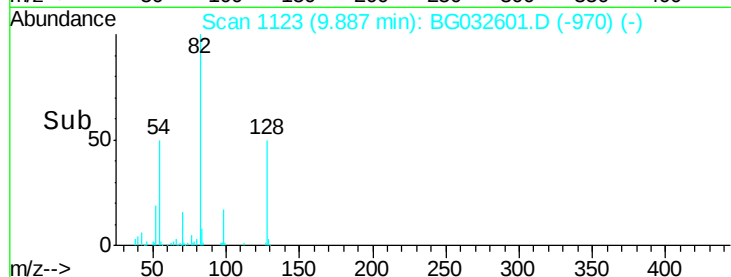
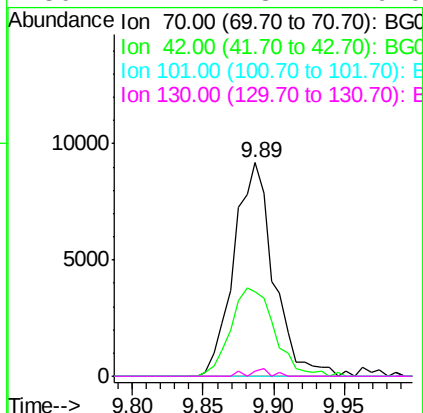
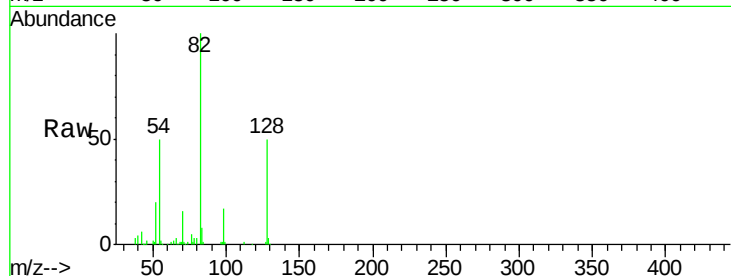




#19  
n-Nitroso-di-n-propylamine  
Concen: 22.42 ng  
RT: 9.89 min Scan# 1123  
Delta R.T. 0.37 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

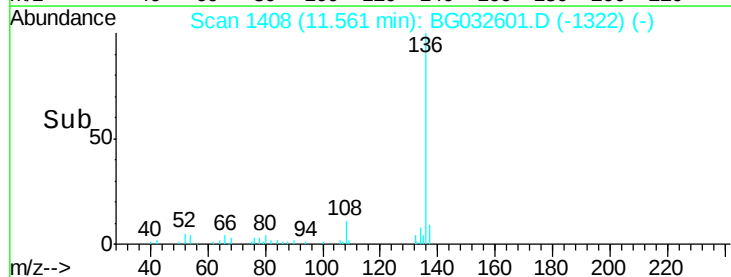
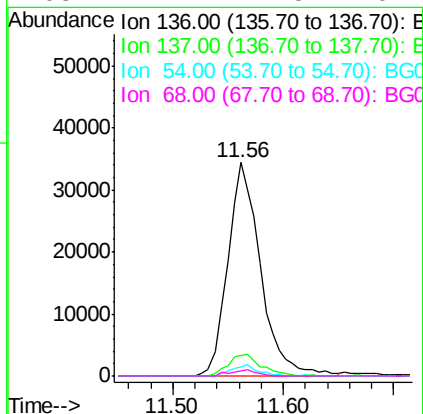
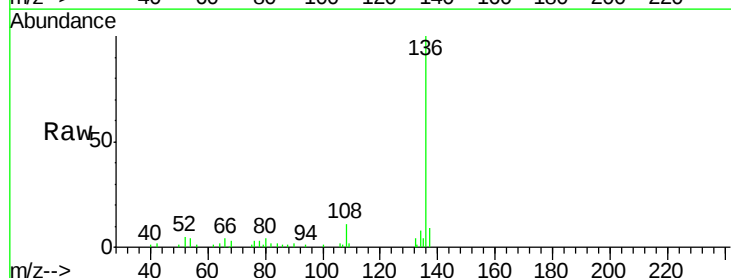
Instrument :  
BNA\_G  
ClientSampleId :

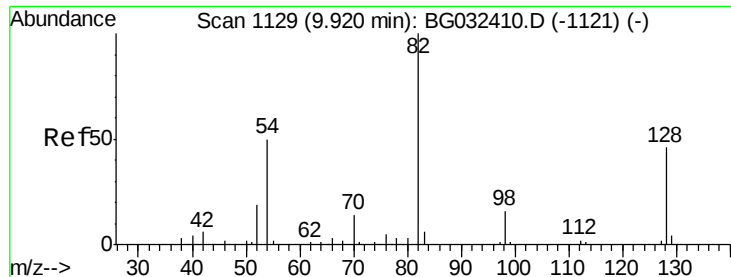
Tot Ion: 70 Resp: 18084  
Ion Ratio Lower Upper  
70 100  
42 39.6 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.7 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.56 min Scan# 1408  
Delta R.T. -0.02 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Tgt Ion: 136 Resp: 71556  
Ion Ratio Lower Upper  
136 100  
137 9.4 9.2 13.8  
54 4.1 10.3 15.5#  
68 2.7 4.5 6.7#

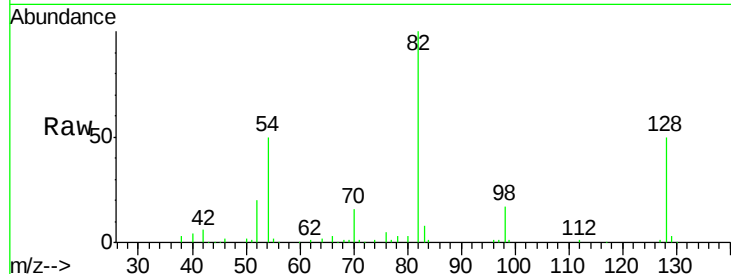




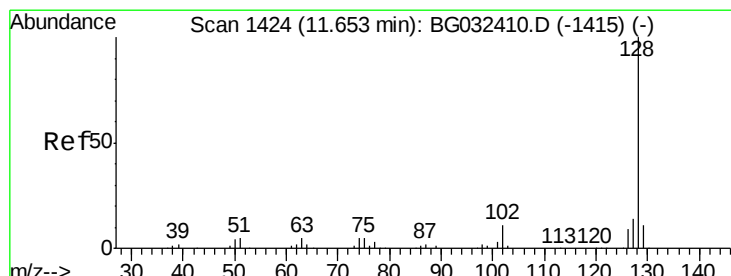
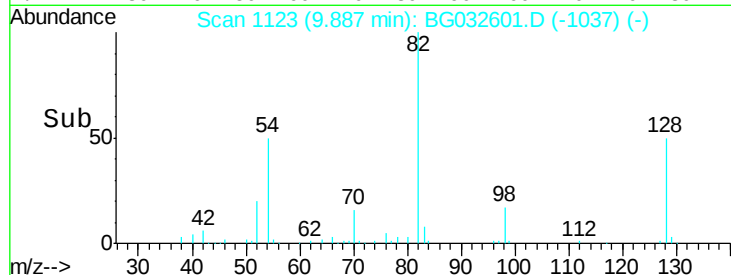
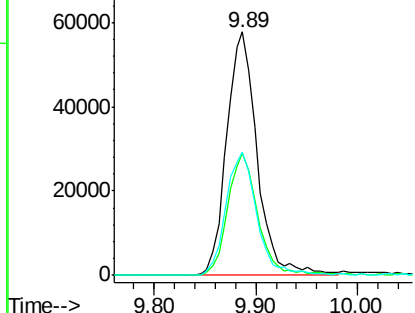
#23  
Nitrobenzene-d5  
Concen: 104.87 ng  
RT: 9.89 min Scan# 1123  
Delta R.T. -0.02 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 82 Resp: 120142  
Ion Ratio Lower Upper  
82 100  
128 50.2 29.7 44.5#  
54 50.5 43.1 64.7

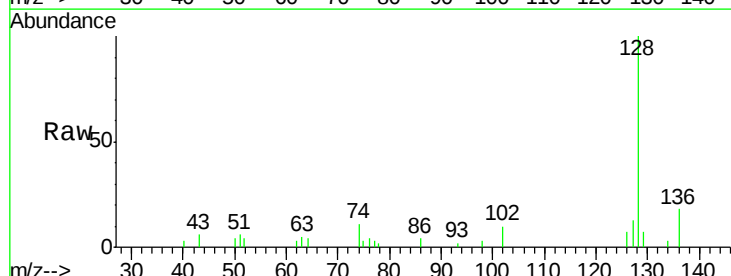


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

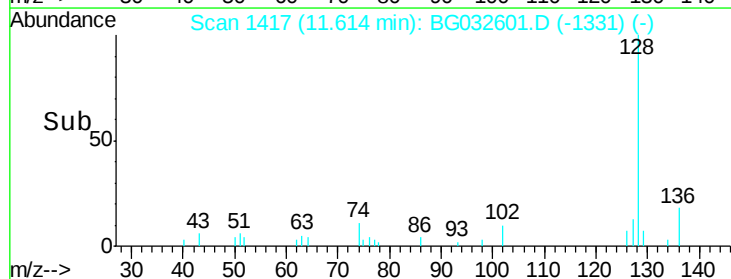
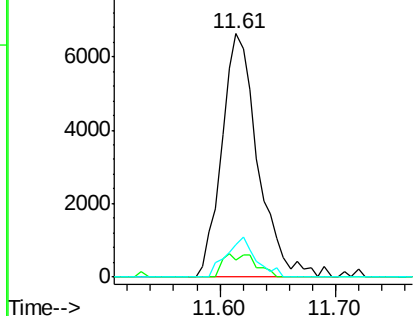


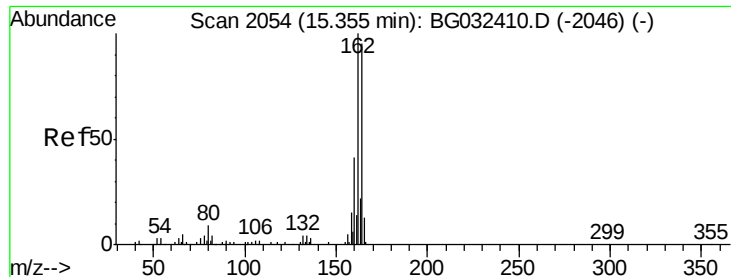
#31  
Naphthalene  
Concen: 4.12 ng  
RT: 11.61 min Scan# 1417  
Delta R.T. -0.02 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Tgt Ion: 128 Resp: 14395  
Ion Ratio Lower Upper  
128 100  
129 7.2 8.6 12.8#  
127 13.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BG032601.D

Acq: 7 Feb 2018 19:43

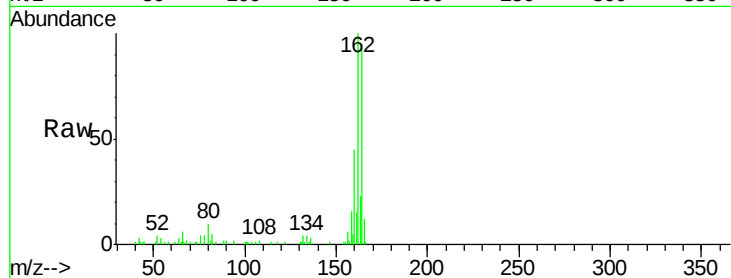
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 56021

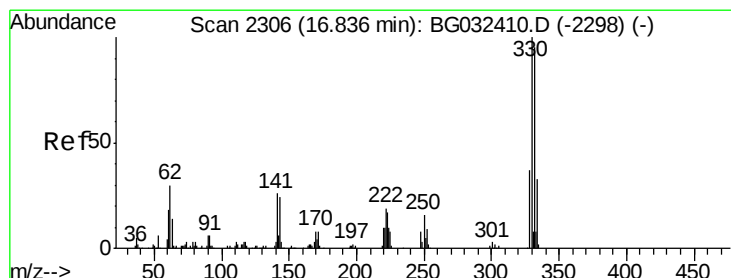
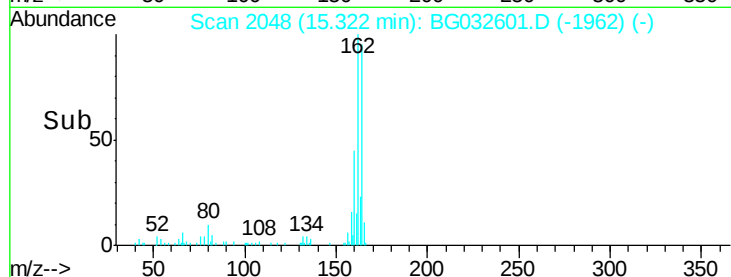
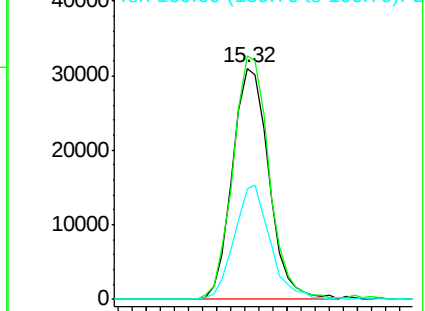
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.5 | 78.8  | 118.2 |
| 160 | 47.8  | 35.4  | 53.0  |



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: 171.98 ng

RT: 16.81 min Scan# 2301

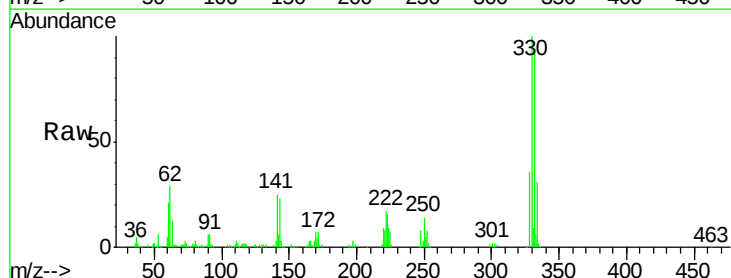
Delta R.T. -0.01 min

Lab File: BG032601.D

Acq: 7 Feb 2018 19:43

Tgt Ion:330 Resp: 183392

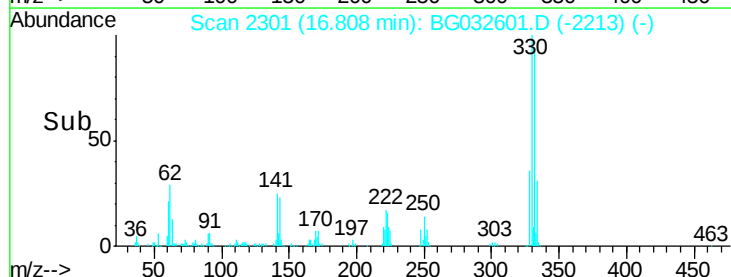
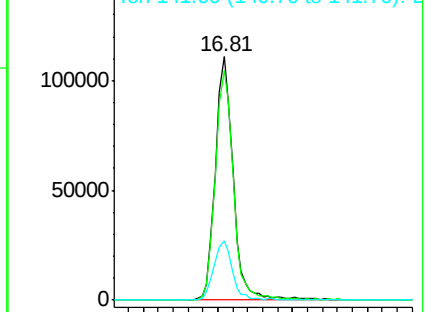
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.6  | 77.0  | 115.6 |
| 141 | 25.0  | 25.2  | 37.8# |

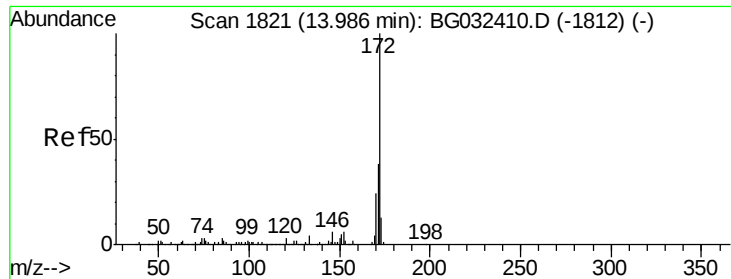


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

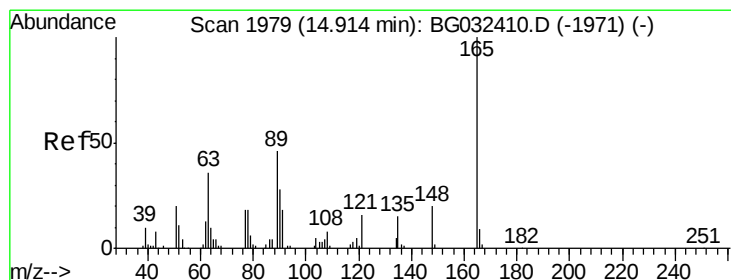
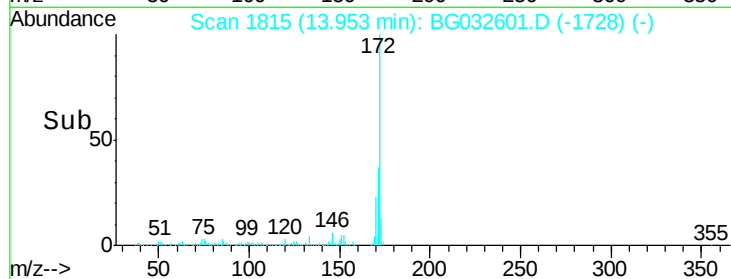
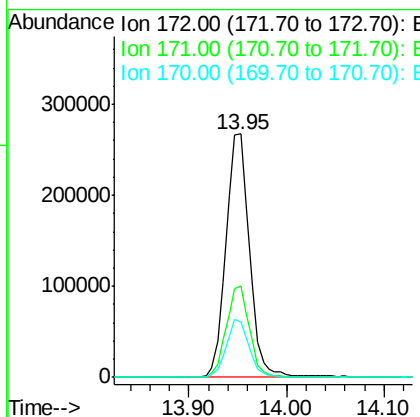
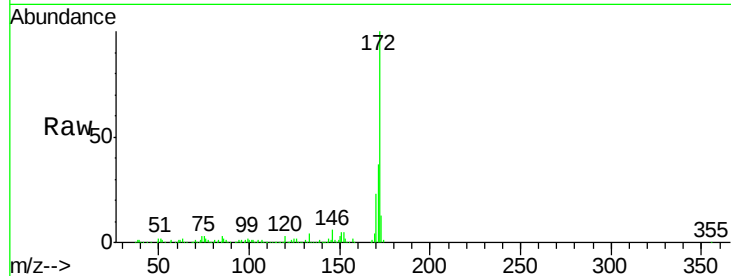




#44  
 2-Fluorobiphenyl  
 Concen: 95.48 ng  
 RT: 13.95 min Scan# 1815  
 Delta R.T. -0.02 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

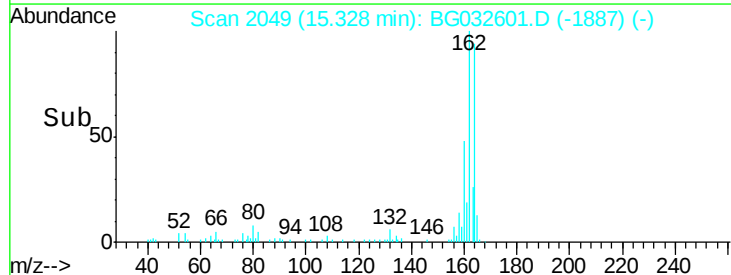
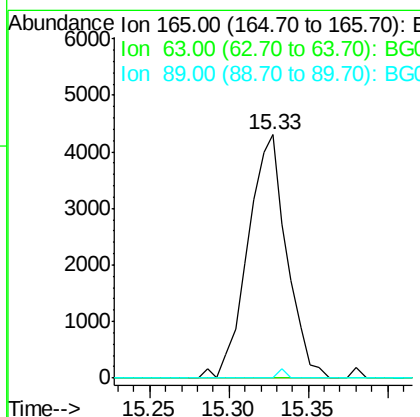
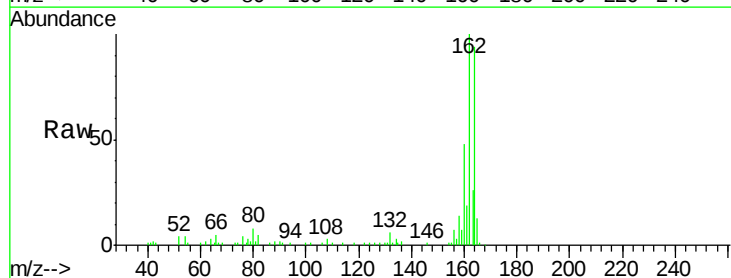
Instrument :  
 BNA\_G  
 ClientSampleId :

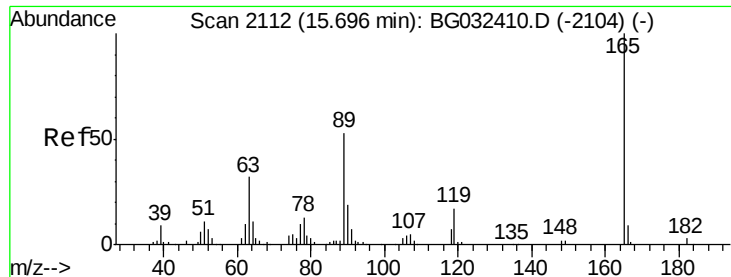
Tot Ion:172 Resp: 450032  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 30.0 45.0  
 170 22.8 19.5 29.3



#50  
 2,6-Dinitrotoluene  
 Concen: 6.74 ng  
 RT: 15.33 min Scan# 2049  
 Delta R.T. 0.42 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

Tgt Ion:165 Resp: 7304  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.7 79.1#  
 89 0.0 49.2 73.8#

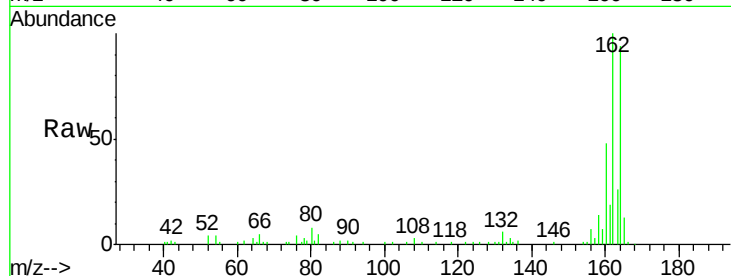




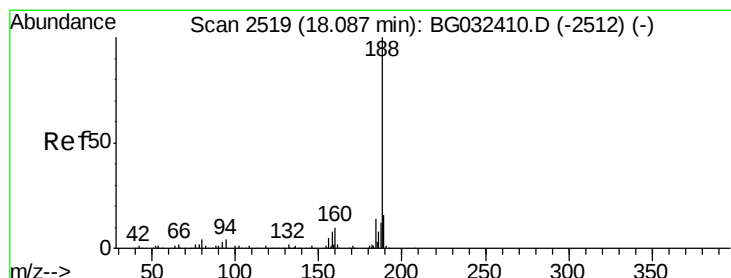
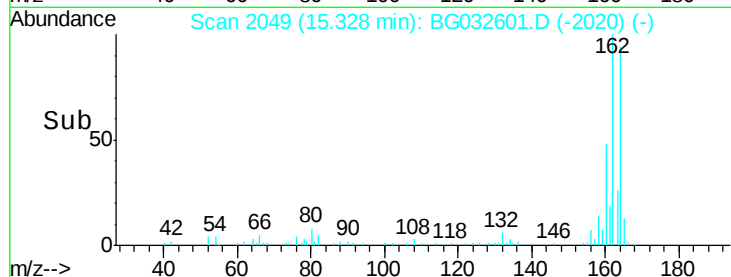
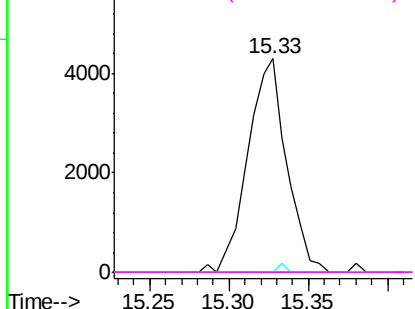
#56  
 2,4-Dinitrotoluene  
 Concen: 4.73 ng  
 RT: 15.33 min Scan# 2049  
 Delta R.T. -0.36 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 7304  
 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#

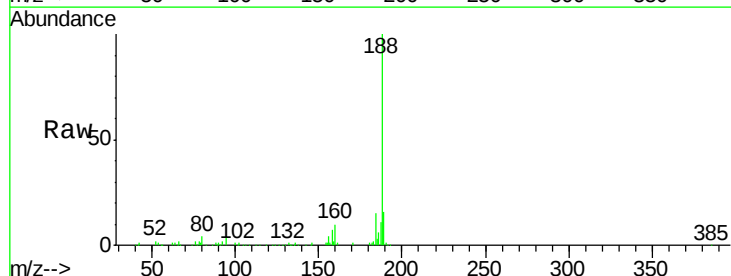


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

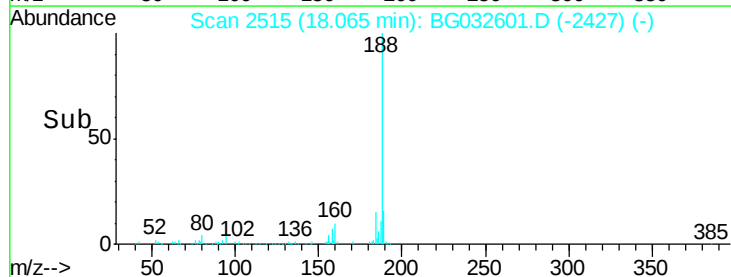
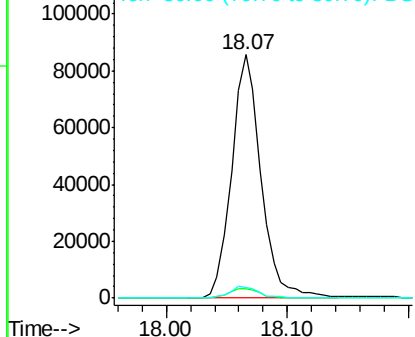


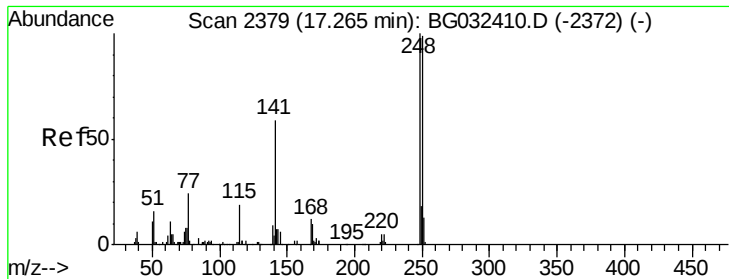
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 18.07 min Scan# 2515  
 Delta R.T. -0.01 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

Tgt Ion:188 Resp: 144681  
 Ion Ratio Lower Upper  
 188 100  
 94 4.0 6.9 10.3#  
 80 4.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BGC  
 Ion 80.00 (79.70 to 80.70): BGC

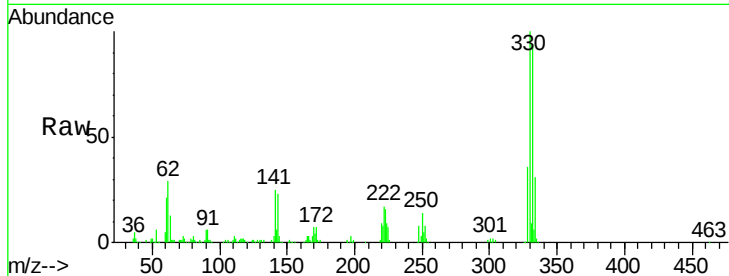




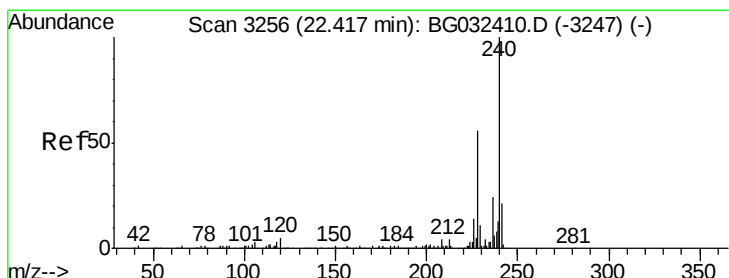
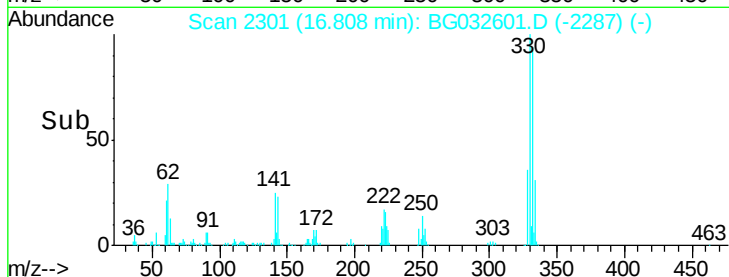
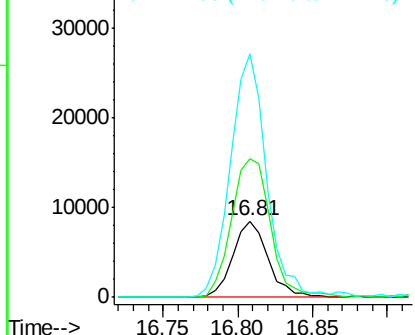
#66  
4-Bromophenyl-phenylether  
Concen: 6.53 ng  
RT: 16.81 min Scan# 2301  
Delta R.T. -0.44 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 13996  
Ion Ratio Lower Upper  
248 100  
250 181.6 77.1 115.7#  
141 319.3 50.8 76.2#

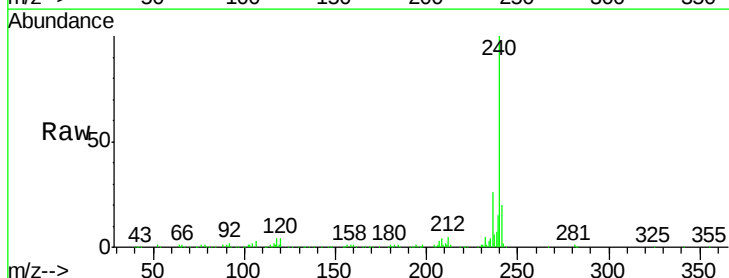


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

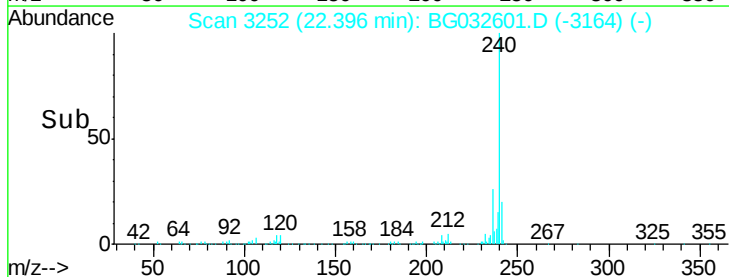
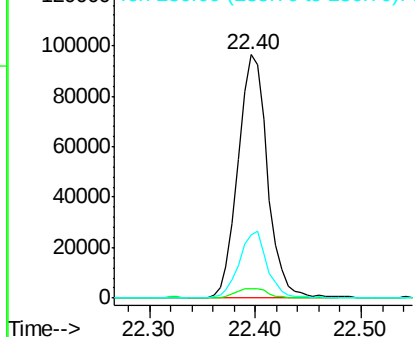


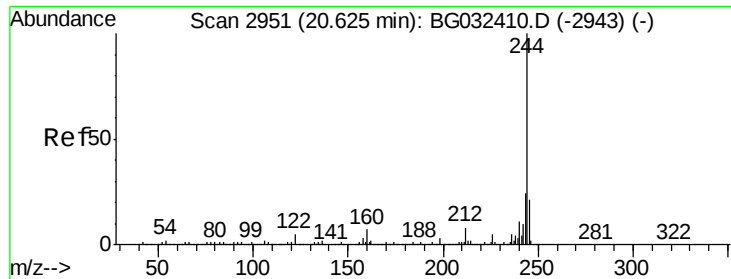
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.40 min Scan# 3252  
Delta R.T. -0.01 min  
Lab File: BG032601.D  
Acq: 7 Feb 2018 19:43

Tgt Ion:240 Resp: 186417  
Ion Ratio Lower Upper  
240 100  
120 4.0 6.8 10.2#  
236 25.8 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

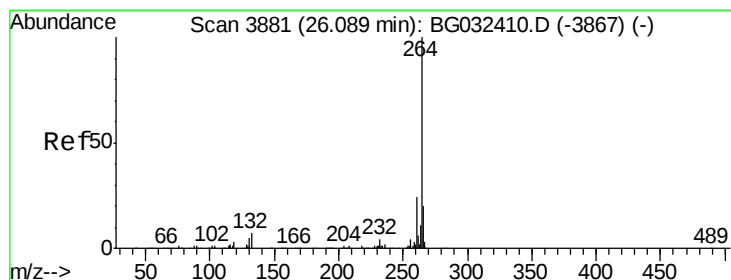
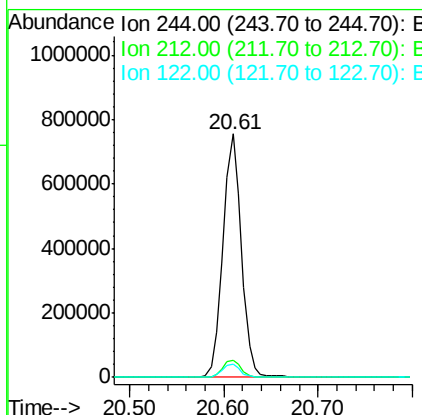
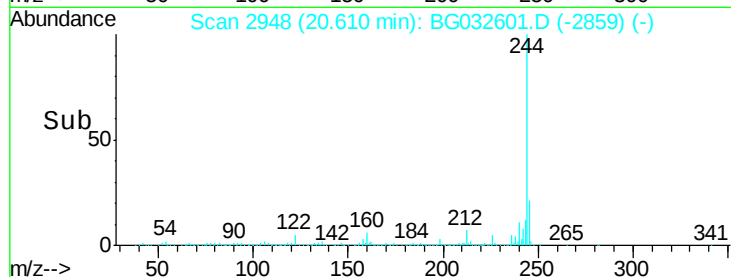
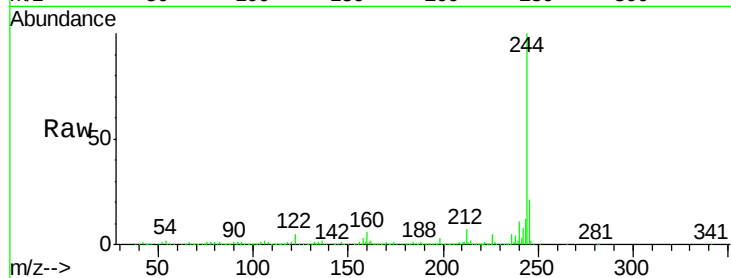




#78  
 Terphenyl-d14  
 Concen: 118.51 ng  
 RT: 20.61 min Scan# 2948  
 Delta R.T. -0.00 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:244 Resp: 1031344  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 5.4 7.0 10.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 26.07 min Scan# 3878  
 Delta R.T. 0.01 min  
 Lab File: BG032601.D  
 Acq: 7 Feb 2018 19:43

Tgt Ion:264 Resp: 209623  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 17.4 26.0  
 265 22.6 17.7 26.5

