

Data File : BG037818.D  
Acq On : 6 Nov 2018 00:56  
Operator : JU/SJ  
Sample : J5812-21  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP3-B

Quant Time: Nov 06 04:20:28 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 18 14:06:42 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 55402    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.92 | 136  | 254531   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.73 | 164  | 162234   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.48 | 188  | 364828   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.76 | 240  | 320659   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 25.09 | 264  | 277731   | 20.00 | ng    | -0.03    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.64  | 112 | 333974 | 100.78 | ng | 0.00  |
| 7) Phenol-d6                | 7.24  | 99  | 499179 | 99.62  | ng | -0.01 |
| 23) Nitrobenzene-d5         | 9.27  | 82  | 301099 | 66.27  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330 | 159645 | 90.22  | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 13.35 | 172 | 663278 | 61.65  | ng | -0.02 |
| 79) Terphenyl-d14           | 20.08 | 244 | 911564 | 60.74  | ng | -0.01 |

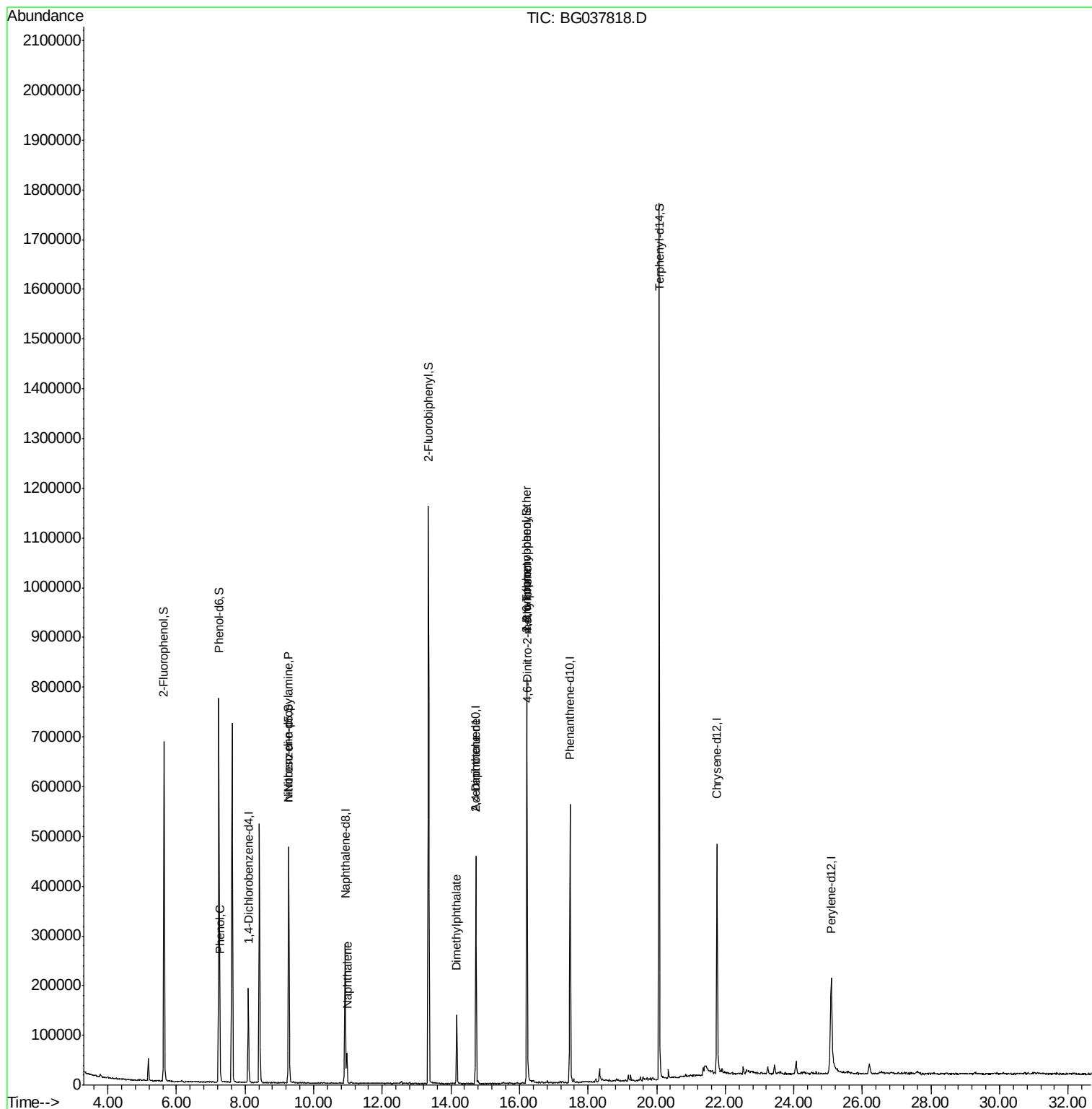
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 7.27  | 94  | 28149  | 5.324  | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70  | 37234  | 10.791 | ng | # 72 |
| 31) Naphthalene                | 10.97 | 128 | 56393  | 4.511  | ng | 97   |
| 50) Dimethylphthalate          | 14.17 | 163 | 106322 | 8.471  | ng | 98   |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165 | 21827  | 5.989  | ng | # 25 |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198 | 772    | 8.839  | ng | 92   |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248 | 11285  | 2.817  | ng | # 1  |

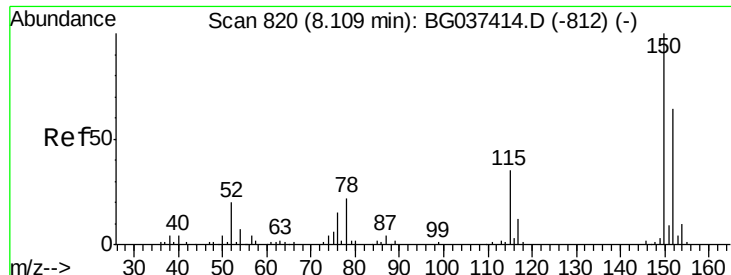
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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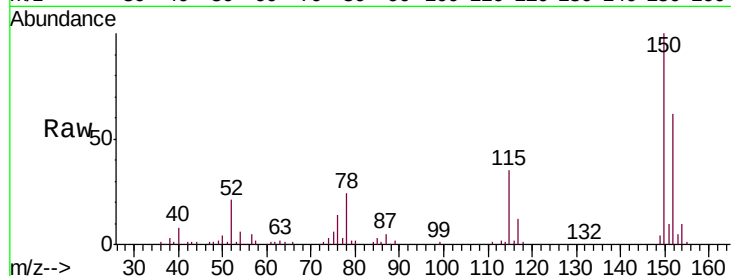




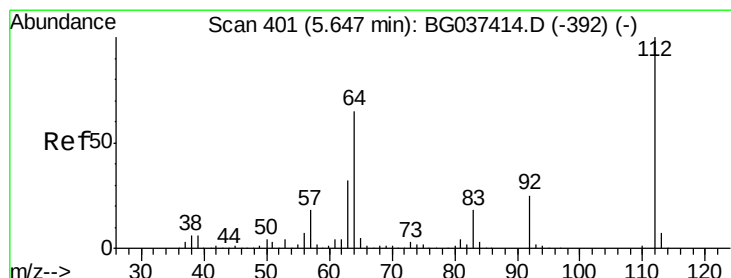
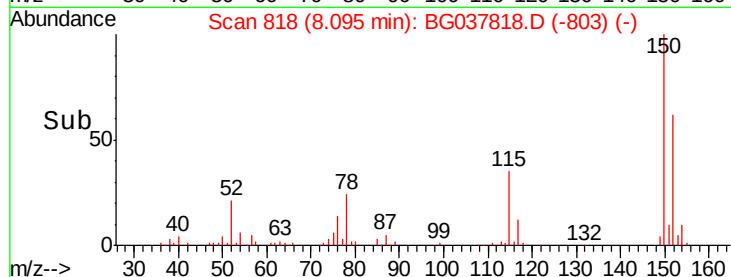
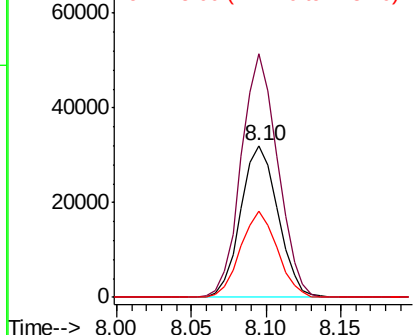
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.10 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP3-B

Tgt Ion:152 Resp: 55402  
 Ion Ratio Lower Upper  
 152 100  
 150 160.3 126.0 189.0  
 115 56.9 45.5 68.3

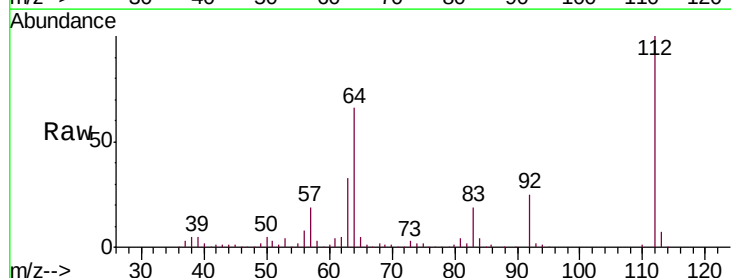


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

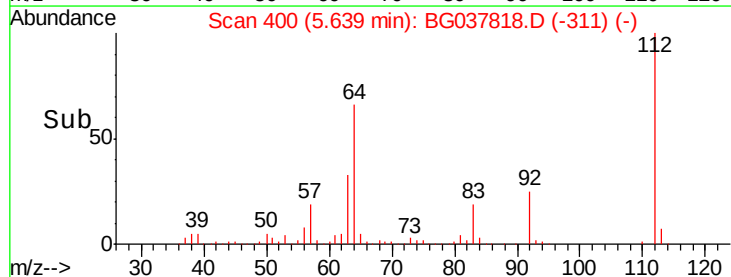
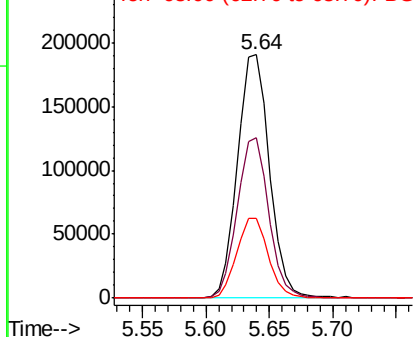


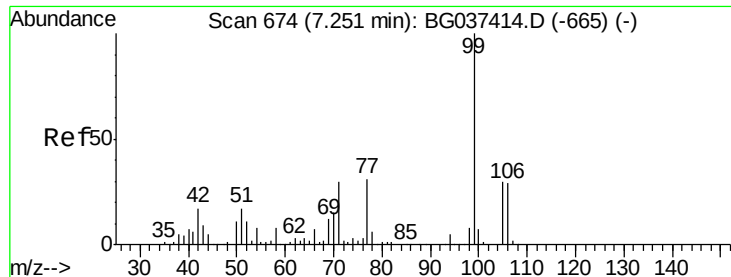
#5  
 2-Fluorophenol  
 Concen: 100.783 ng  
 RT: 5.64 min Scan# 400  
 Delta R.T. -0.01 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Tgt Ion:112 Resp: 333974  
 Ion Ratio Lower Upper  
 112 100  
 64 65.9 53.1 79.7  
 63 33.0 27.3 40.9



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: 99.619 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037818.D

Acq: 6 Nov 2018 00:56

Instrument :

BNA\_G

ClientSampled :

TP3-B

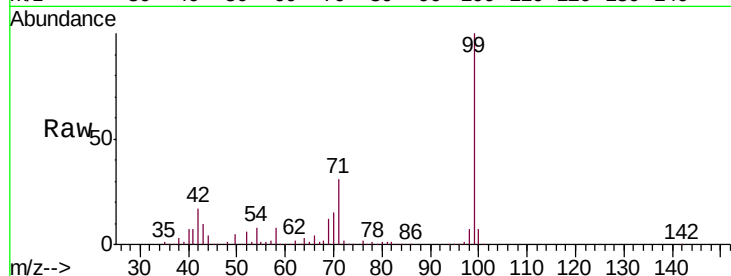
Tgt Ion: 99 Resp: 499179

Ion Ratio Lower Upper

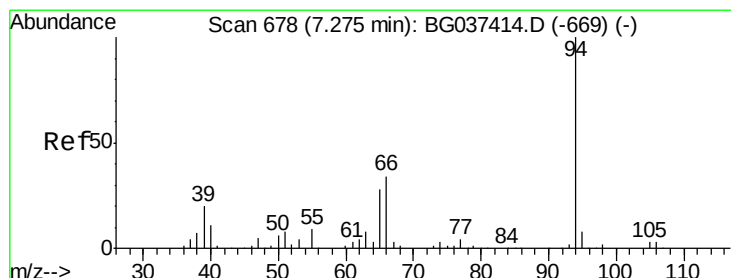
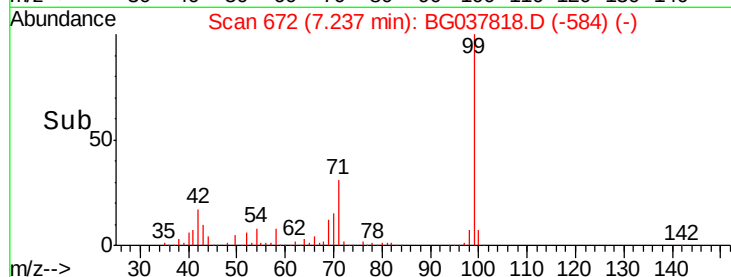
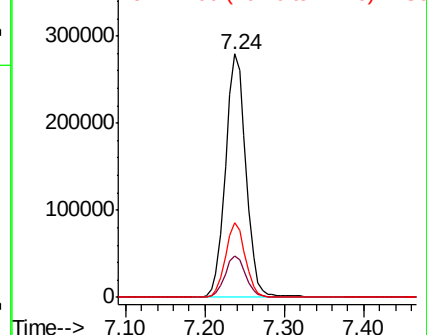
99 100

42 17.0 15.0 22.4

71 30.8 25.5 38.3



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: 5.324 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037818.D

Acq: 6 Nov 2018 00:56

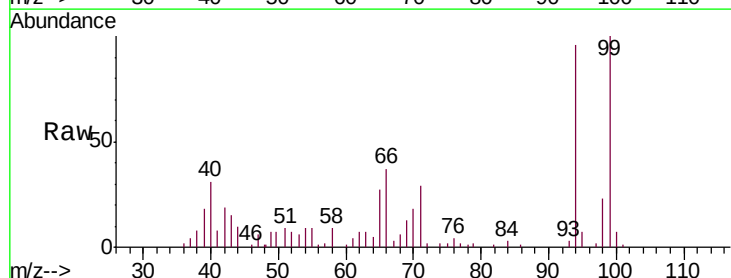
Tgt Ion: 94 Resp: 28149

Ion Ratio Lower Upper

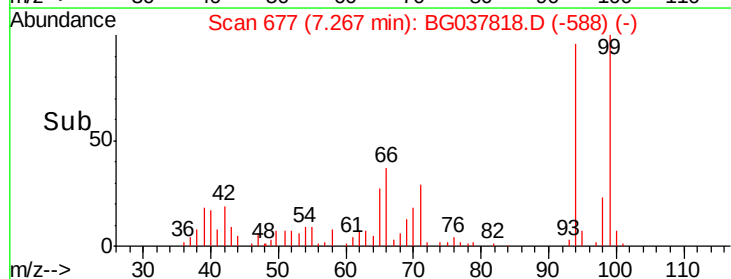
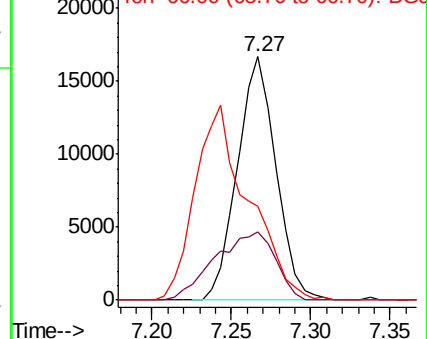
94 100

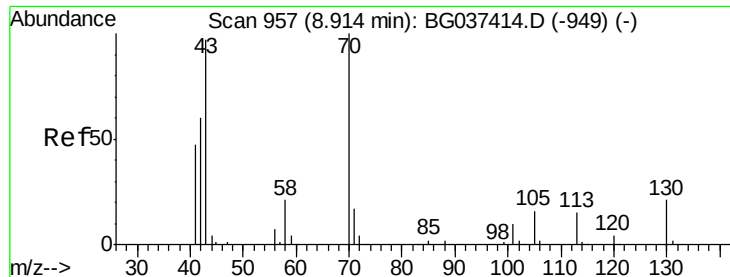
65 28.0 9.7 49.7

66 38.5 15.9 55.9



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

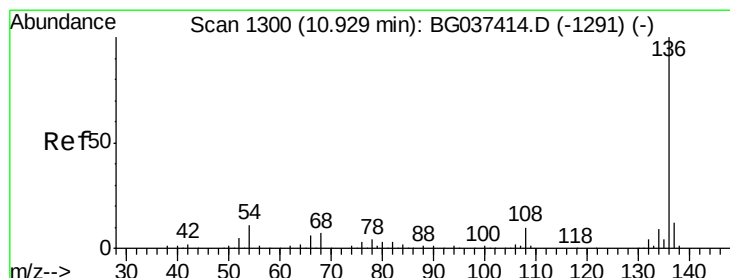
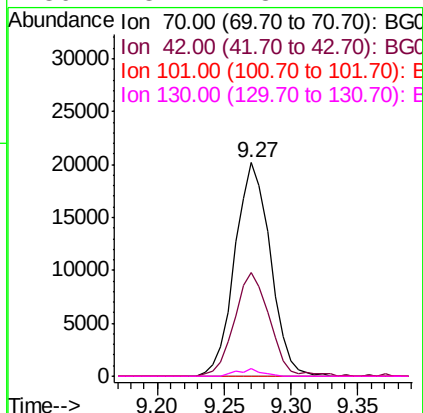
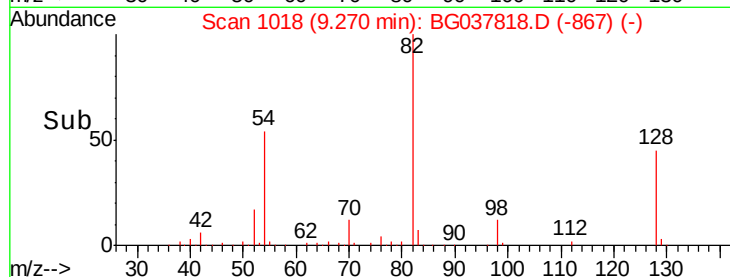
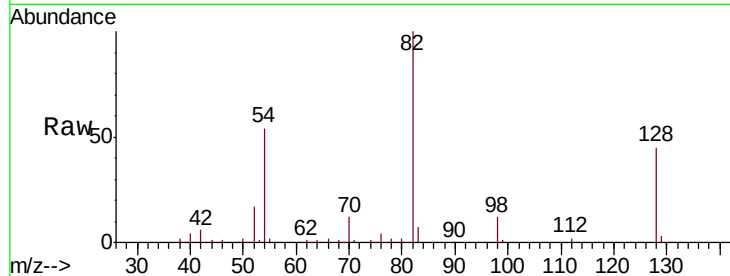




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.791 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. 0.36 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

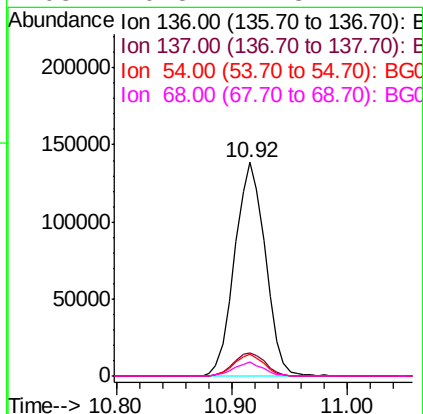
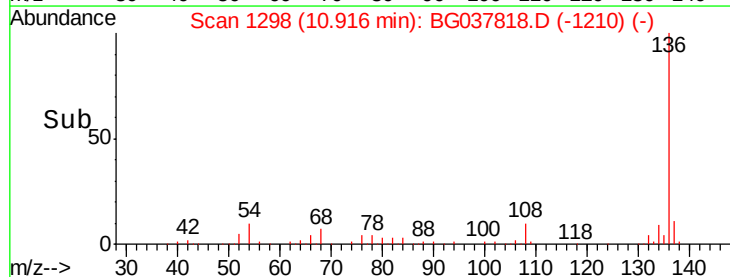
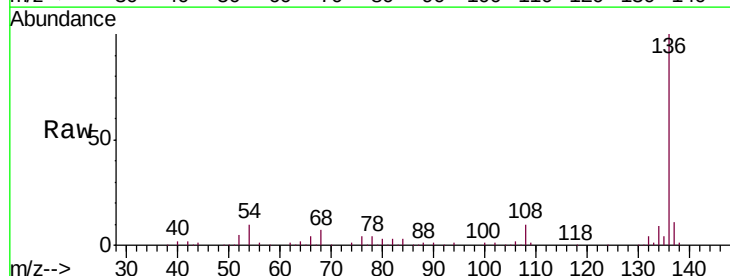
Instrument :  
BNA\_G  
ClientSampleId :  
TP3-B

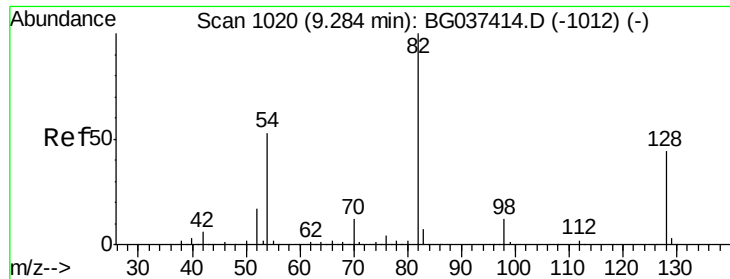
Tgt Ion: 70 Resp: 37234  
Ion Ratio Lower Upper  
70 100  
42 48.6 53.9 80.9#  
101 0.0 8.2 12.2#  
130 3.7 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

Tgt Ion: 136 Resp: 254531  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.6 14.4  
54 10.0 7.9 11.9  
68 6.8 4.8 7.2

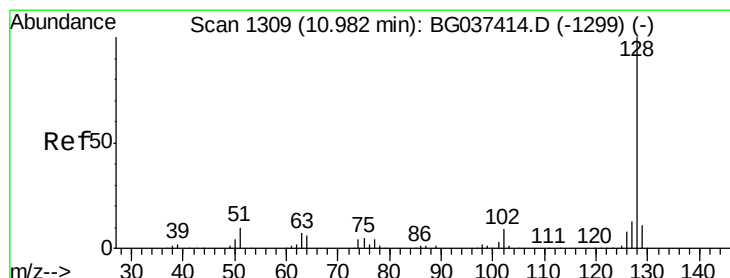
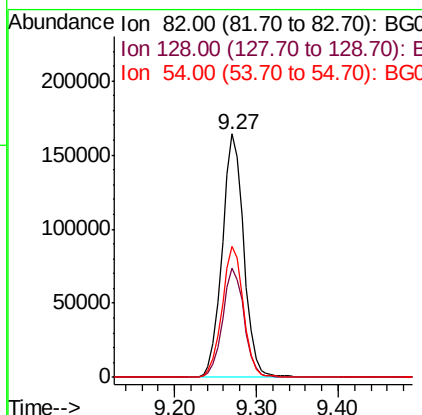
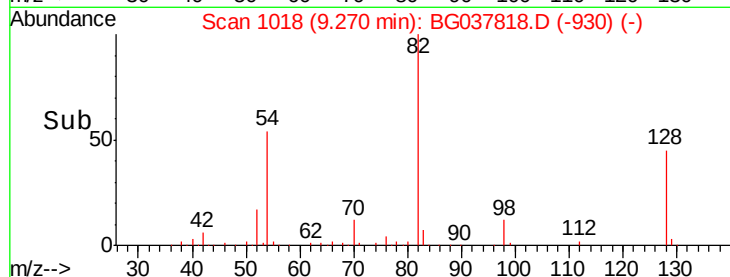
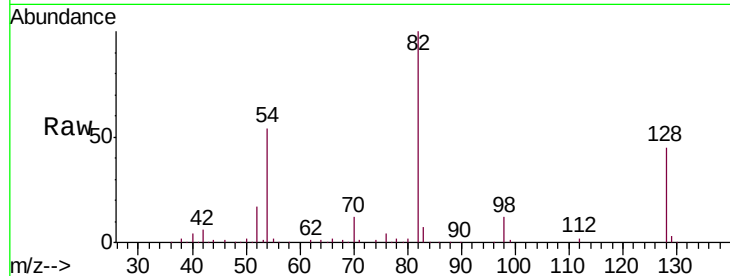




#23  
Nitrobenzene-d5  
Concen: 66.268 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

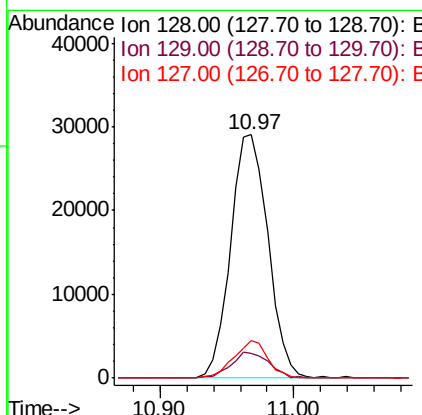
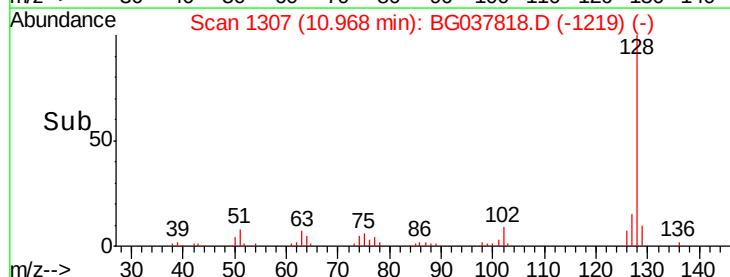
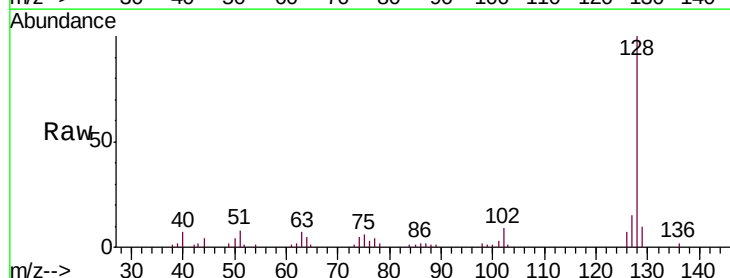
Instrument :  
BNA\_G  
ClientSampled :  
TP3-B

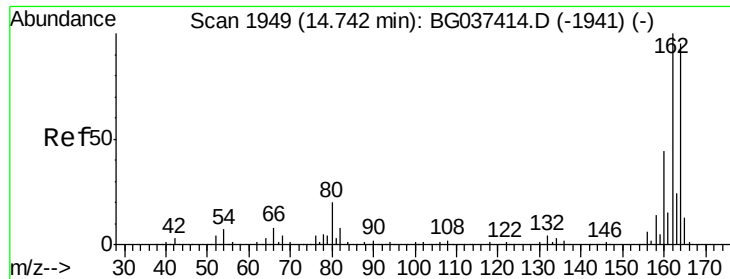
Tgt Ion: 82 Resp: 301099  
Ion Ratio Lower Upper  
82 100  
128 44.7 34.6 51.8  
54 53.8 45.3 67.9



#31  
Naphthalene  
Concen: 4.511 ng  
RT: 10.97 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

Tgt Ion: 128 Resp: 56393  
Ion Ratio Lower Upper  
128 100  
129 10.3 9.0 13.6  
127 15.2 11.1 16.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037818.D

Acq: 6 Nov 2018 00:56

Instrument :

BNA\_G

ClientSampleId :

TP3-B

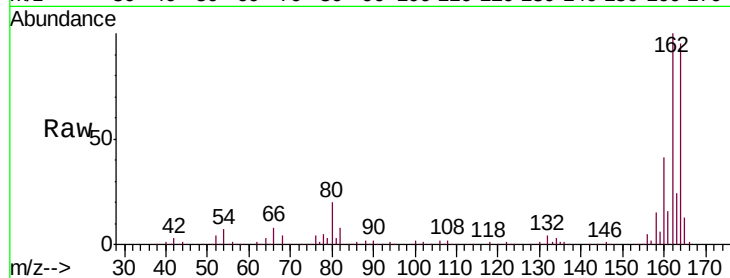
Tgt Ion:164 Resp: 162234

Ion Ratio Lower Upper

164 100

162 105.7 81.3 121.9

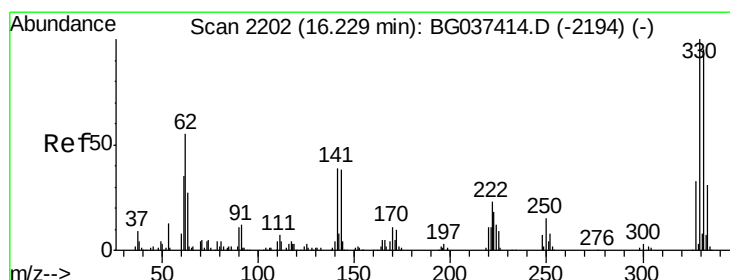
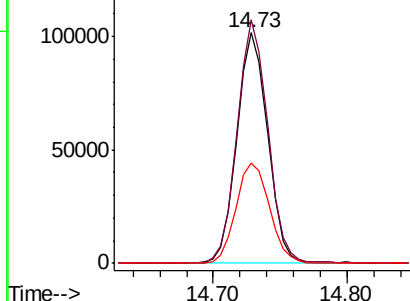
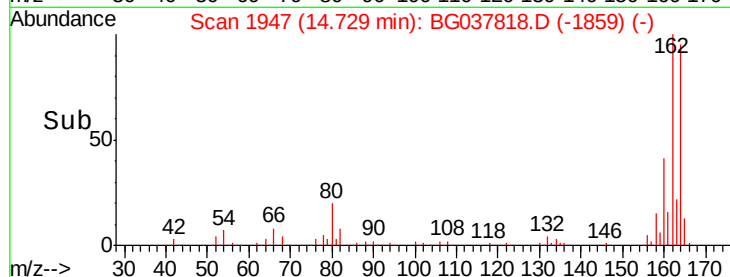
160 43.8 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 90.222 ng

RT: 16.22 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037818.D

Acq: 6 Nov 2018 00:56

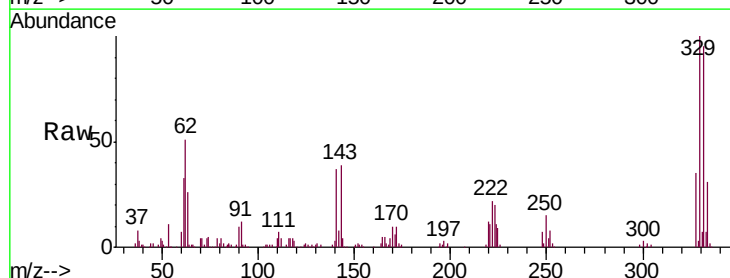
Tgt Ion:330 Resp: 159645

Ion Ratio Lower Upper

330 100

332 97.5 78.4 117.6

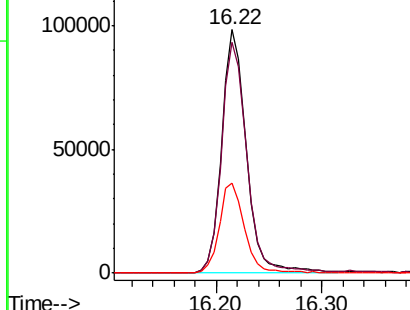
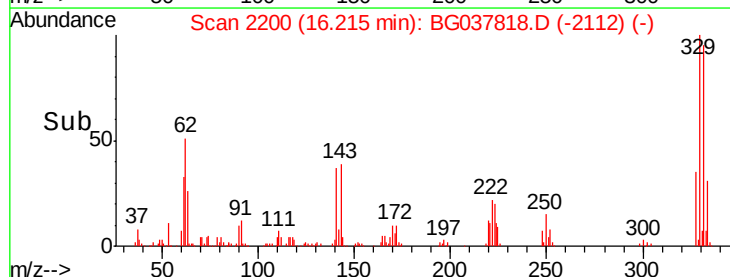
141 37.8 32.2 48.2

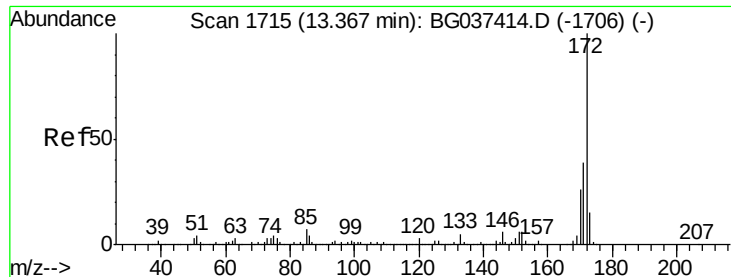


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

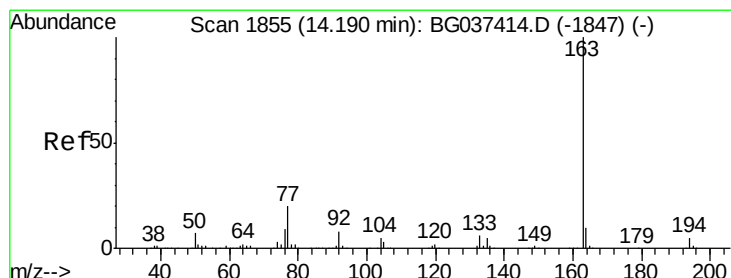
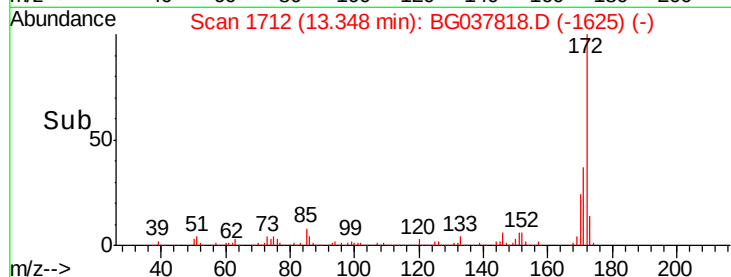
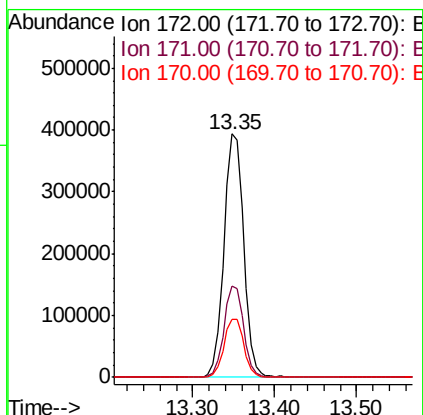
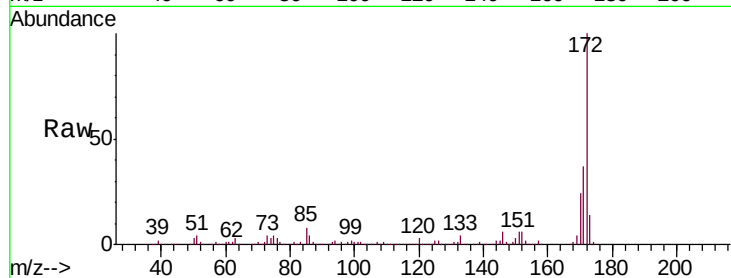




#45  
2-Fluorobiphenyl  
Concen: 61.651 ng  
RT: 13.35 min Scan# 1712  
Delta R.T. -0.02 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

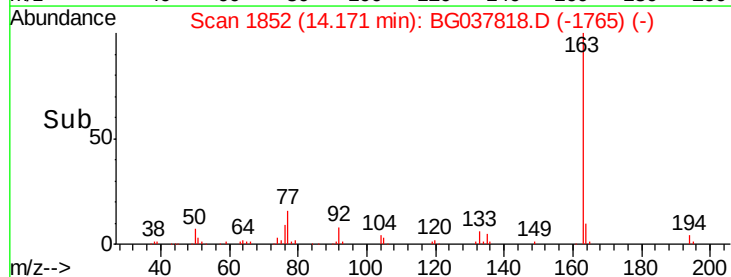
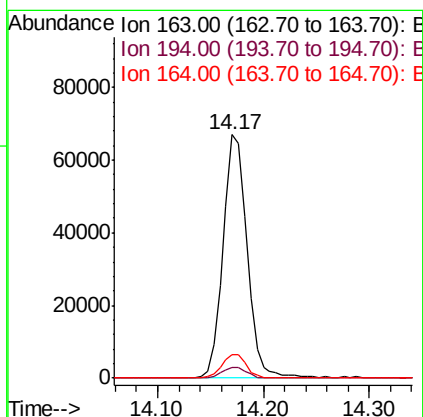
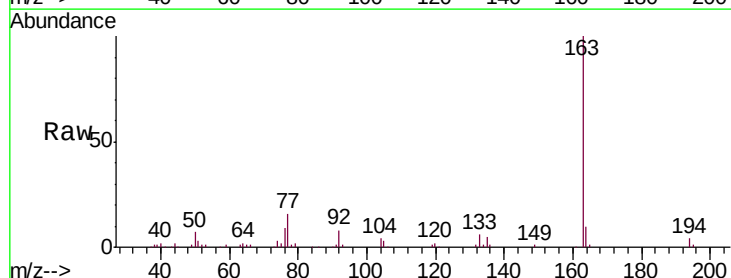
Instrument :  
BNA\_G  
ClientSampled :  
TP3-B

Tgt Ion:172 Resp: 663278  
Ion Ratio Lower Upper  
172 100  
171 37.4 31.0 46.4  
170 23.9 20.2 30.2

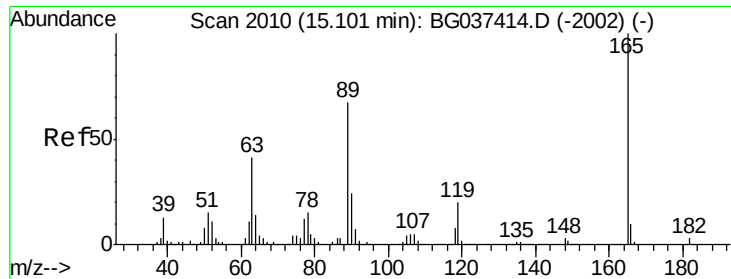


#50  
Dimethylphthalate  
Concen: 8.471 ng  
RT: 14.17 min Scan# 1852  
Delta R.T. -0.02 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

Tgt Ion:163 Resp: 106322  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 9.7 8.5 12.7



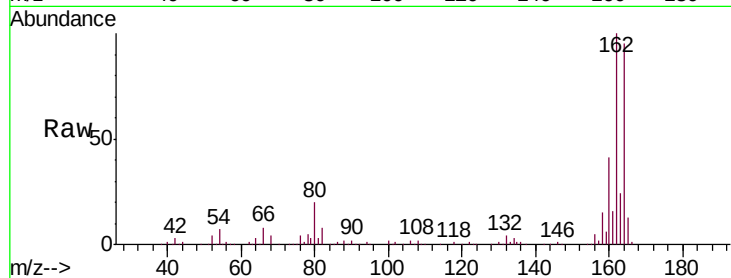




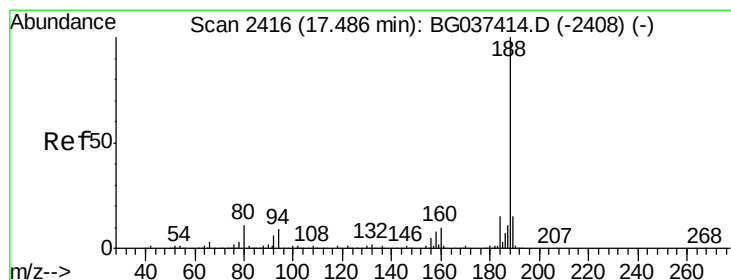
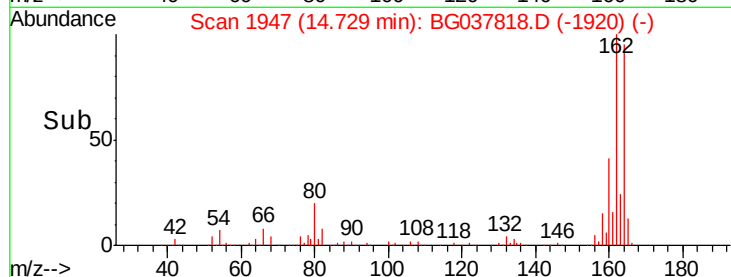
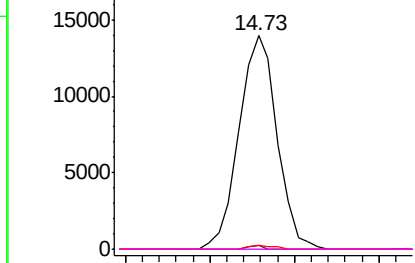
#57  
 2,4-Dinitrotoluene  
 Concen: 5.989 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. -0.37 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP3-B

Tgt Ion:165 Resp: 21827  
 Ion Ratio Lower Upper  
 165 100  
 63 1.6 33.4 50.0#  
 89 1.8 57.2 85.8#  
 182 0.0 2.6 4.0#

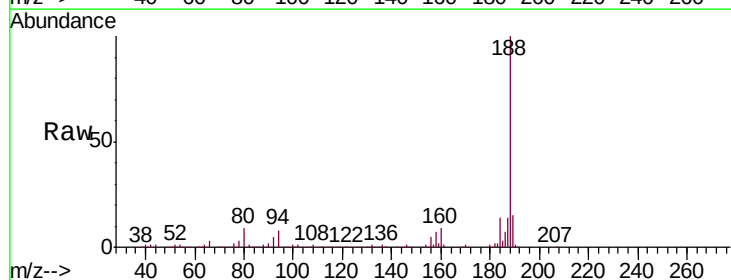


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

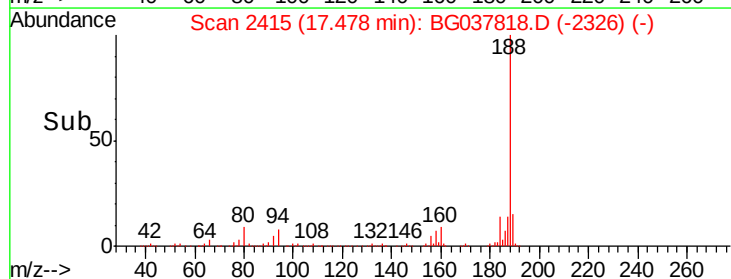
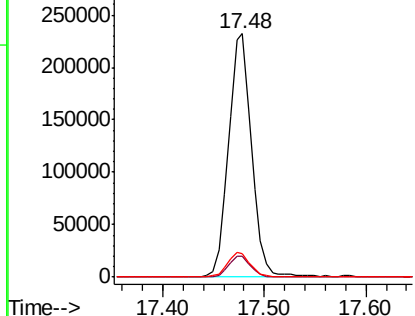


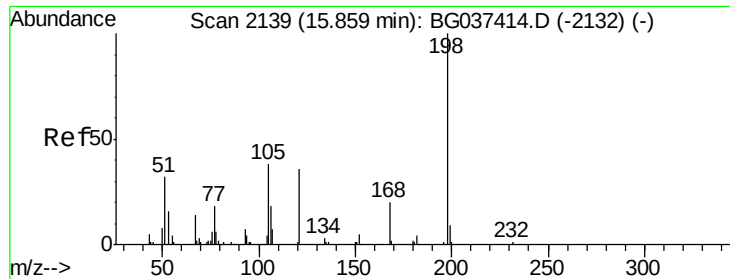
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Tgt Ion:188 Resp: 364828  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 7.2 10.8  
 80 9.4 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

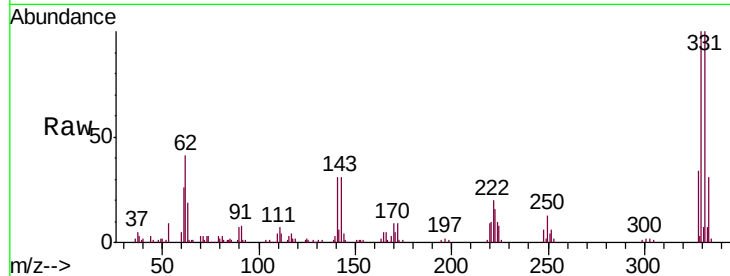




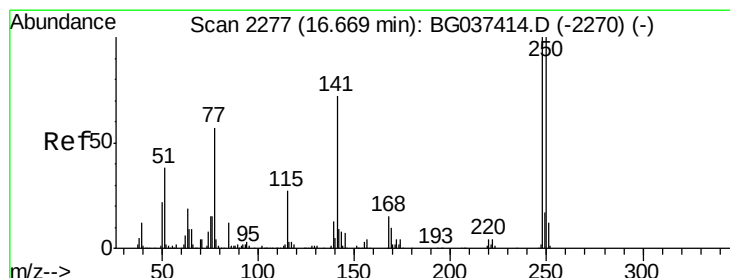
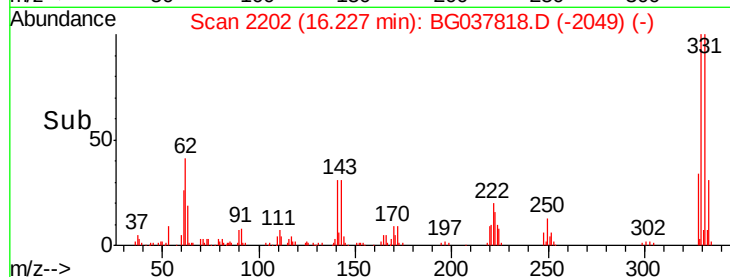
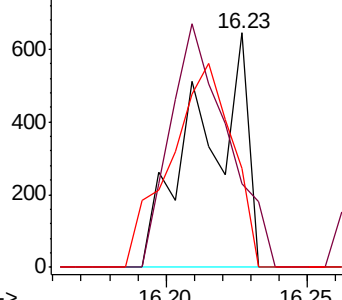
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.839 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. 0.37 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP3-B

Tgt Ion:198 Resp: 772  
 Ion Ratio Lower Upper  
 198 100  
 51 35.9 22.7 62.7  
 105 42.2 19.7 59.7

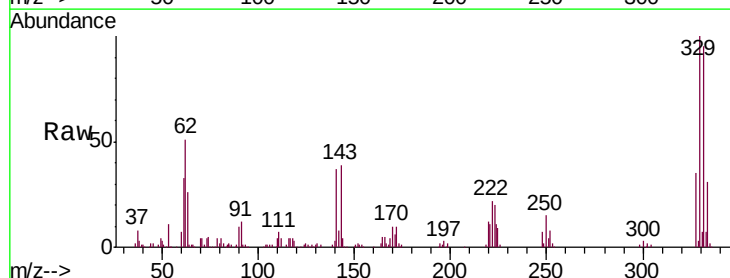


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

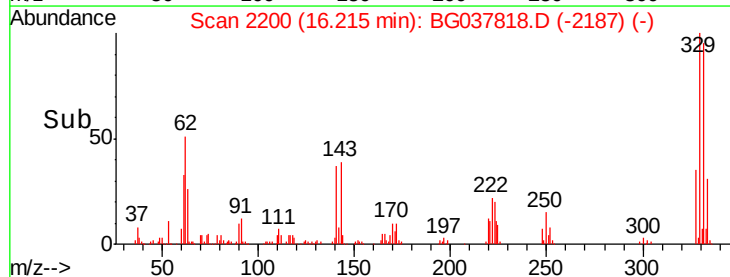
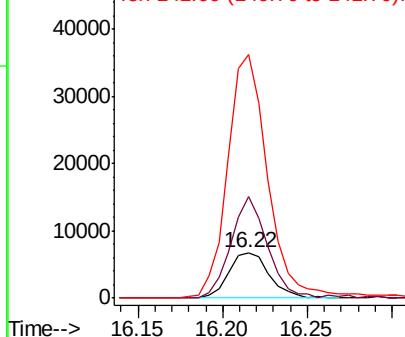


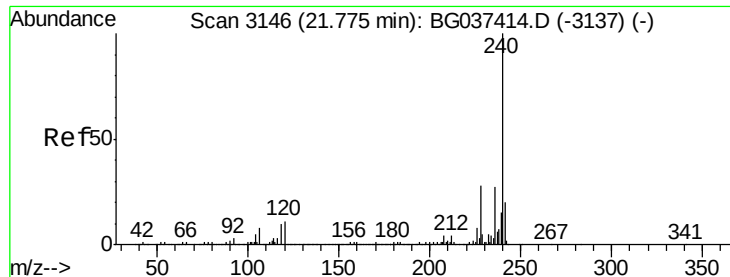
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.817 ng  
 RT: 16.22 min Scan# 2200  
 Delta R.T. -0.45 min  
 Lab File: BG037818.D  
 Acq: 6 Nov 2018 00:56

Tgt Ion:248 Resp: 11285  
 Ion Ratio Lower Upper  
 248 100  
 250 216.4 77.0 115.6#  
 141 411.3 55.5 83.3#



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

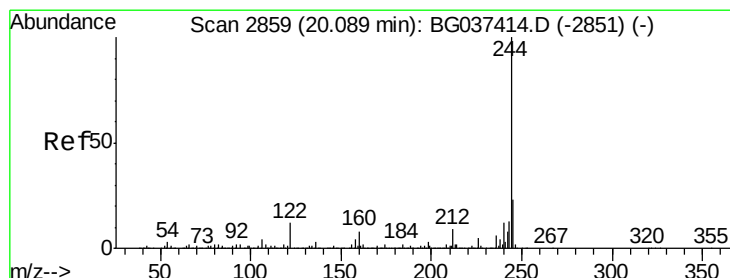
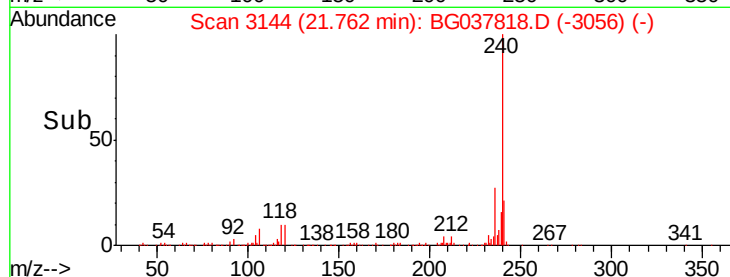
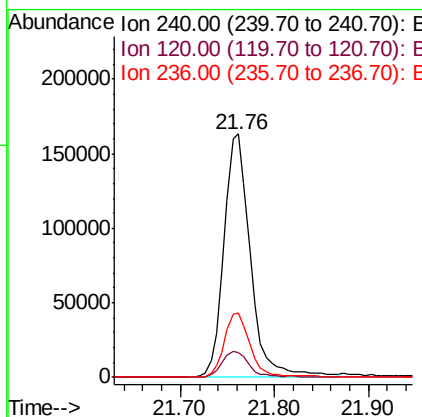
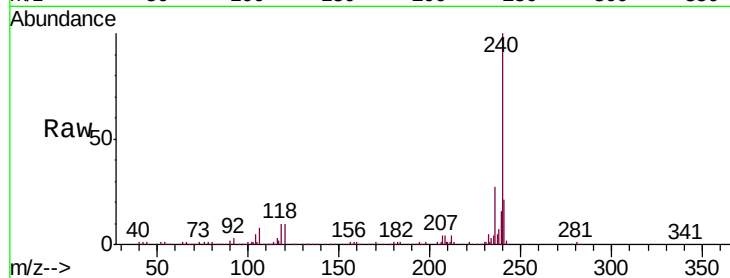




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3144  
Delta R.T. -0.01 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

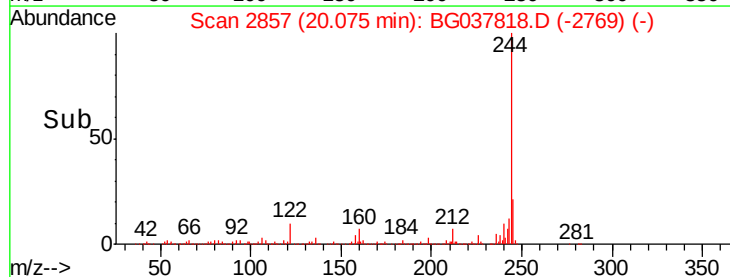
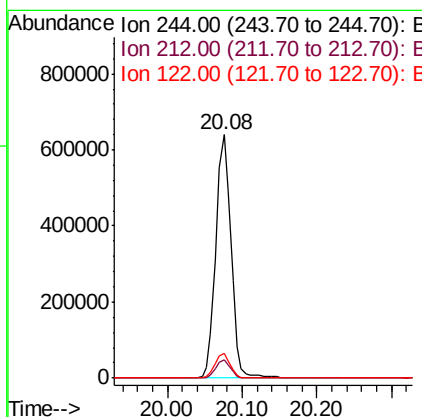
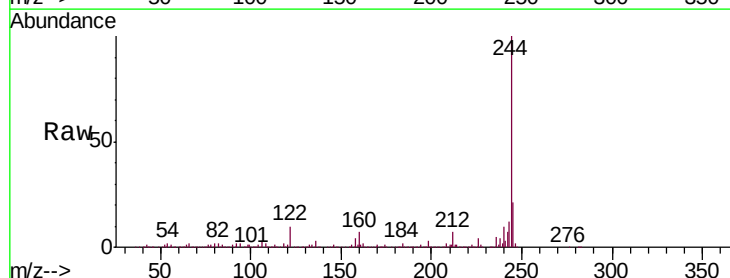
Instrument :  
BNA\_G  
ClientSampleId :  
TP3-B

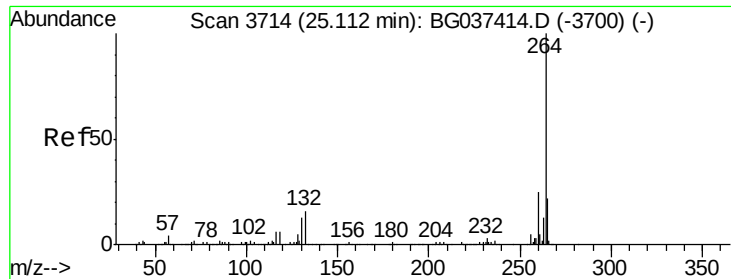
Tgt Ion:240 Resp: 320659  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.1 12.1  
236 26.7 21.4 32.0



#79  
Terphenyl-d14  
Concen: 60.744 ng  
RT: 20.08 min Scan# 2857  
Delta R.T. -0.01 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

Tgt Ion:244 Resp: 911564  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.5 9.7  
122 10.1 9.0 13.4





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.09 min Scan# 3710  
Delta R.T. -0.03 min  
Lab File: BG037818.D  
Acq: 6 Nov 2018 00:56

Instrument :  
BNA\_G  
ClientSampleId :  
TP3-B

Tgt Ion: 264 Resp: 277731  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.2 27.4  
265 21.6 17.9 26.9

