

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\  
 Data File : BG037606.D  
 Acq On : 27 Oct 2018 7:34  
 Operator : JU/SJ  
 Sample : J5662-12  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 102318-DBRI-F-U-S

Quant Time: Oct 29 02:14:37 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

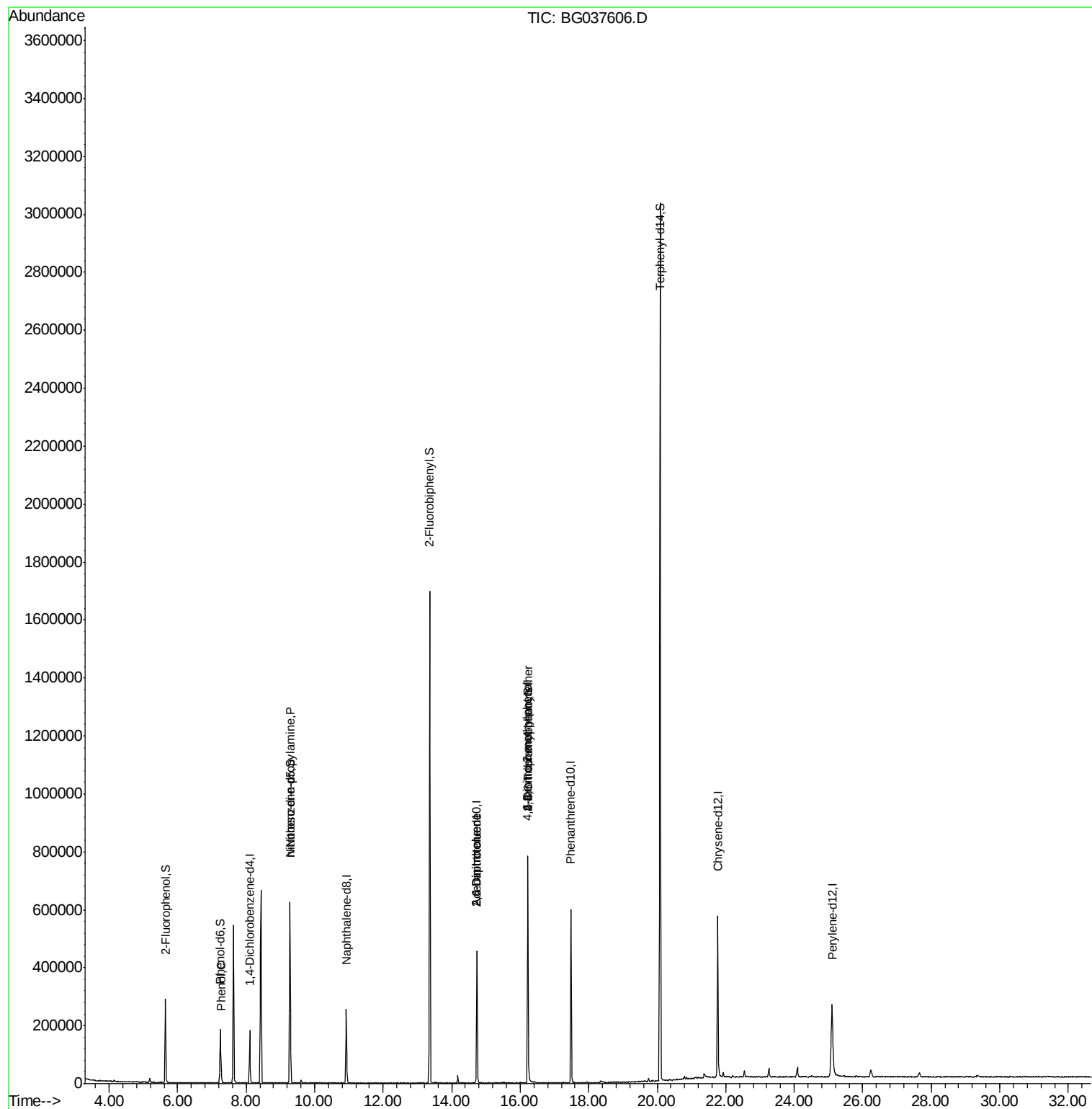
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 52497    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.92 | 136  | 233920   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.74 | 164  | 161472   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 384732   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.76 | 240  | 343045   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 25.11 | 264  | 335733   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 132646   | 42.24  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 120384   | 25.35  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 397218   | 95.13  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 148591   | 84.37  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 947986   | 88.53  | ng    | -0.01    |
| 79) Terphenyl-d14              | 20.08 | 244  | 1433570  | 89.29  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 36348    | 7.255  | ng    | 97       |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 49670    | 15.191 | ng    | # 73     |
| 51) 2,6-Dinitrotoluene         | 14.74 | 165  | 20683    | 7.485  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 20683    | 5.702  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 89       | 8.544  | ng    | 86       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 10254    | 2.427  | ng    | # 1      |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\  
Data File : BG037606.D  
Acq On : 27 Oct 2018 7:34  
Operator : JU/SJ  
Sample : J5662-12  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Quant Time: Oct 29 02:14:37 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



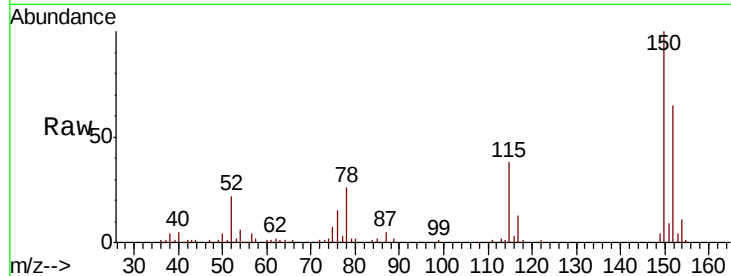


#1

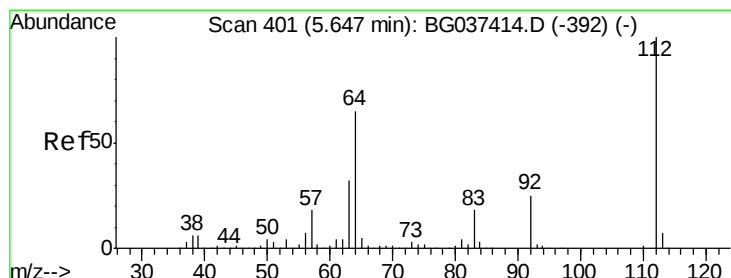
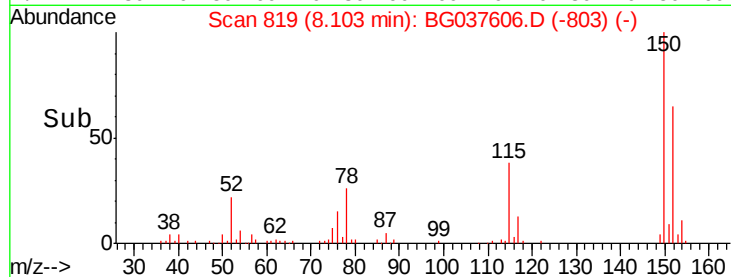
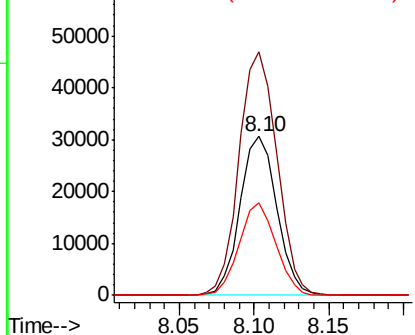
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Tot Ion:152 Resp: 52497  
Ion Ratio Lower Upper  
152 100  
150 153.2 126.0 189.0  
115 58.0 45.5 68.3



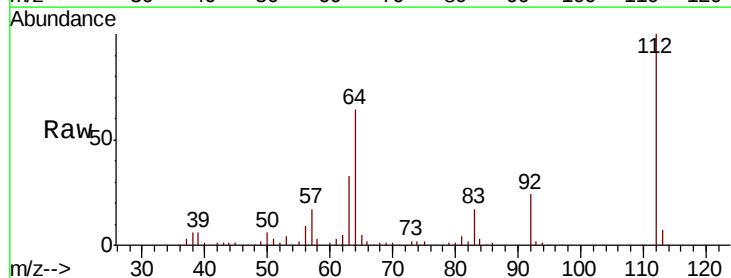
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



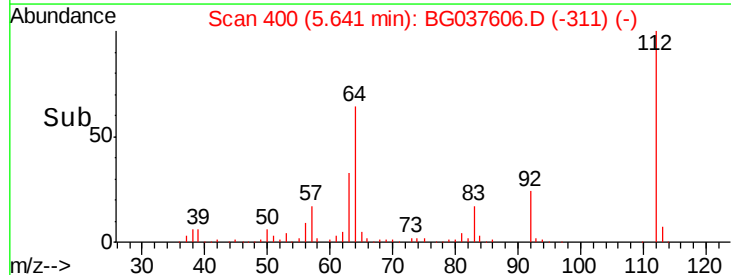
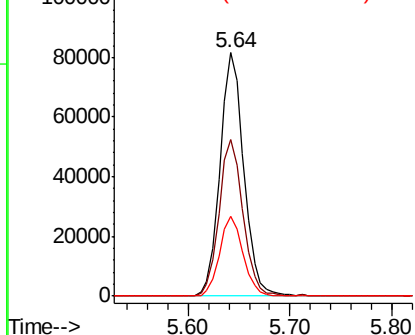
#5

2-Fluorophenol  
Concen: 42.243 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Tgt Ion:112 Resp: 132646  
Ion Ratio Lower Upper  
112 100  
64 64.3 53.1 79.7  
63 32.8 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 25.354 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037606.D

Acq: 27 Oct 2018 7:34

Instrument :

BNA\_G

ClientSampleId :

102318-DBRI-F-U-S

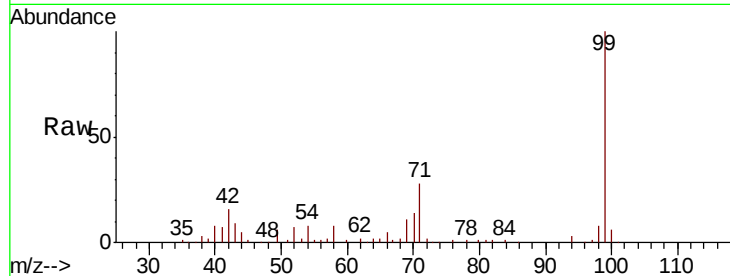
Tot Ion: 99 Resp: 120384

Ion Ratio Lower Upper

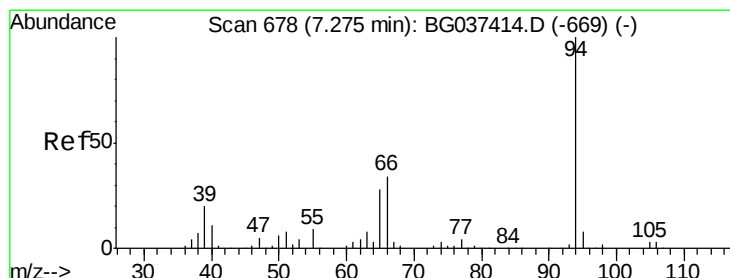
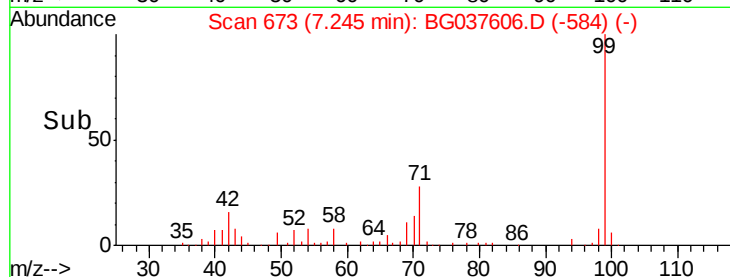
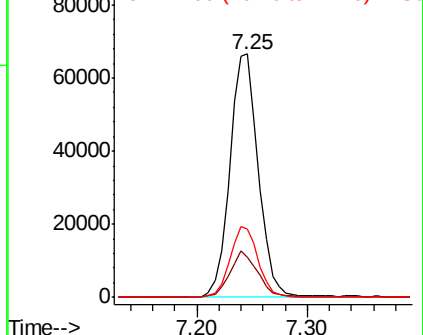
99 100

42 16.4 15.0 22.4

71 27.8 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: 7.255 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037606.D

Acq: 27 Oct 2018 7:34

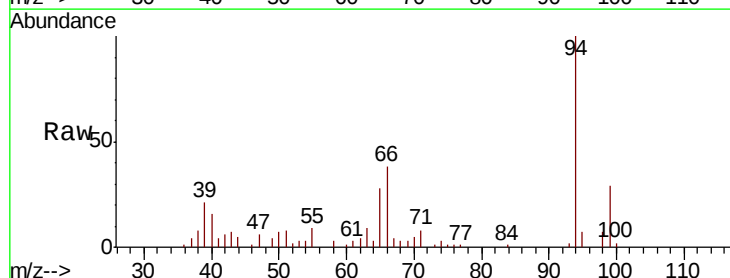
Tgt Ion: 94 Resp: 36348

Ion Ratio Lower Upper

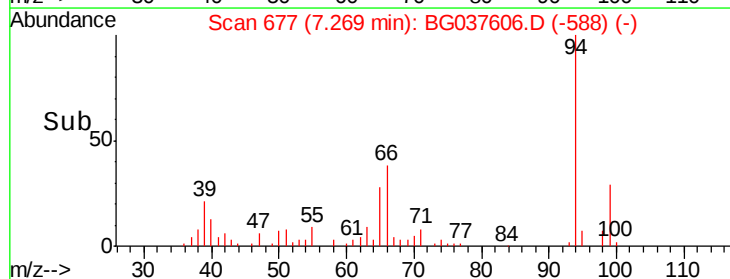
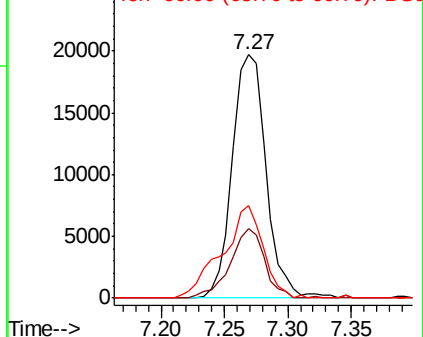
94 100

65 28.5 9.7 49.7

66 38.2 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

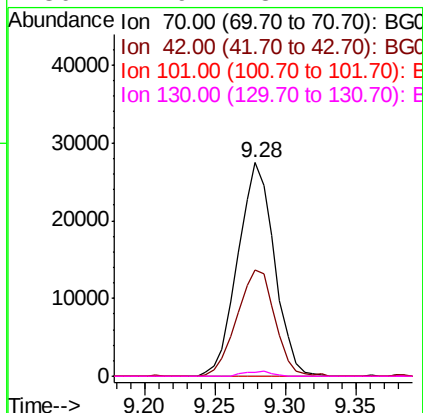
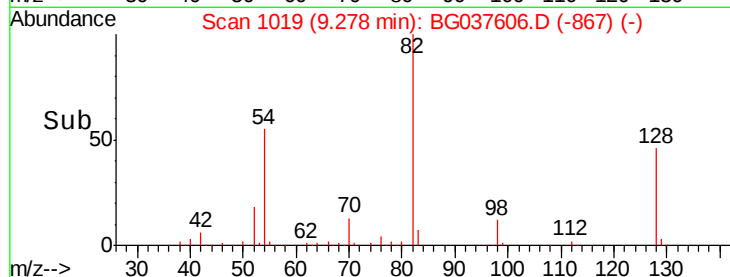
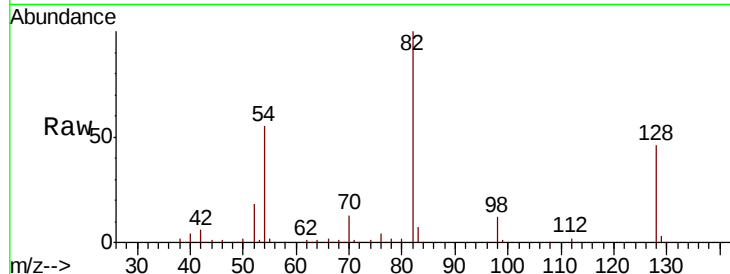




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.191 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. 0.36 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

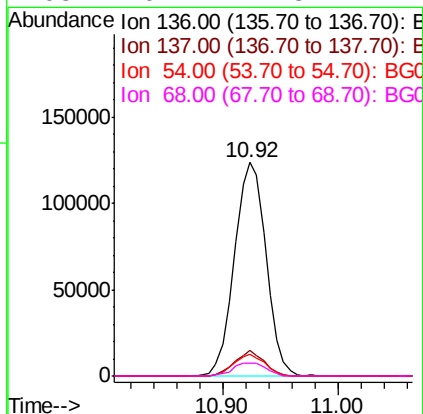
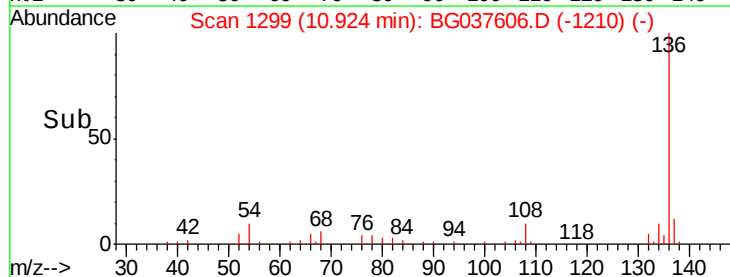
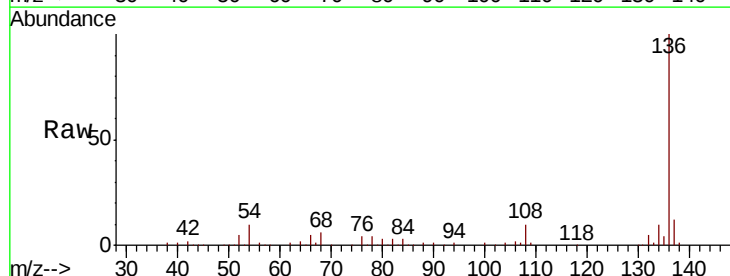
Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Tot Ion: 70 Resp: 49670  
Ion Ratio Lower Upper  
70 100  
42 50.0 53.9 80.9#  
101 0.0 8.2 12.2#  
130 1.9 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Tgt Ion: 136 Resp: 233920  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.6 14.4  
54 10.1 7.9 11.9  
68 6.2 4.8 7.2

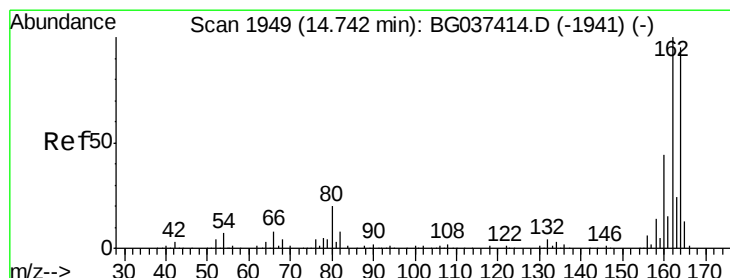
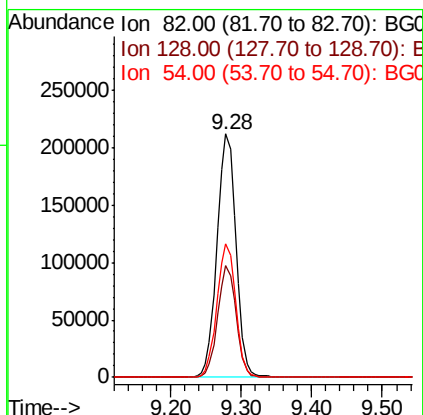
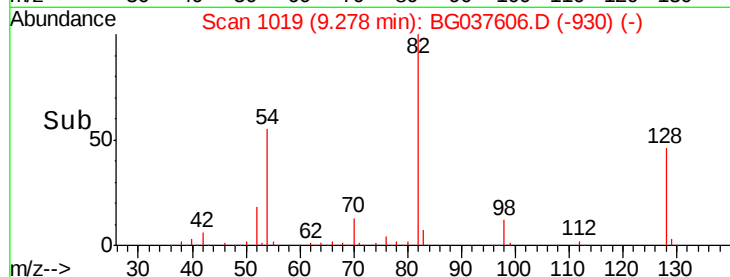
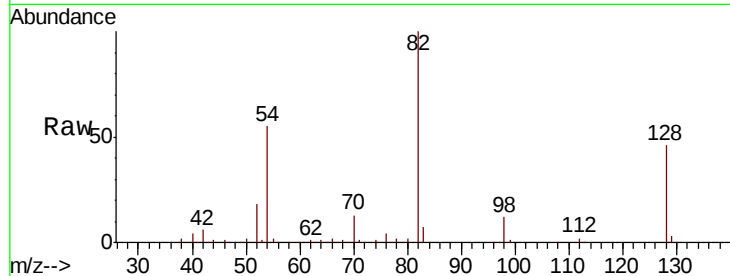




#23  
Nitrobenzene-d5  
Concen: 95.125 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

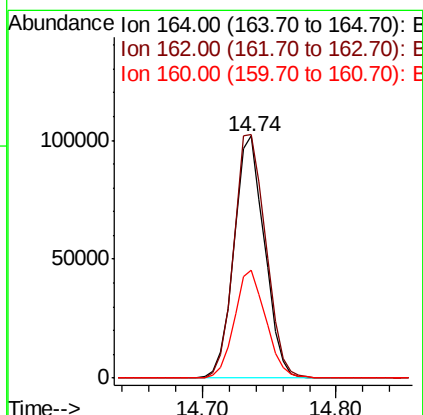
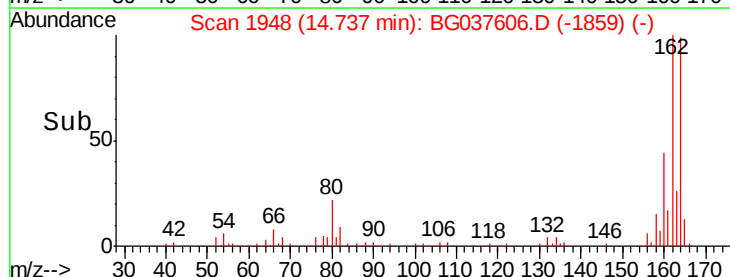
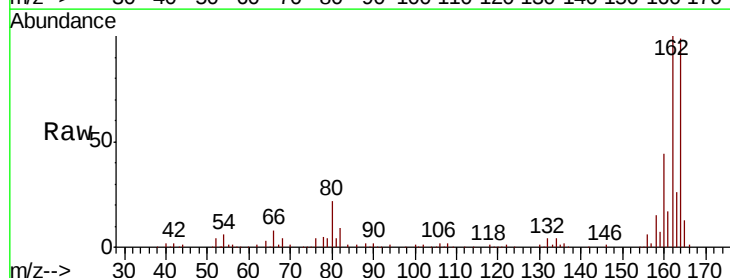
Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Tot Ion: 82 Resp: 397218  
Ion Ratio Lower Upper  
82 100  
128 45.7 34.6 51.8  
54 54.8 45.3 67.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.74 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Tgt Ion:164 Resp: 161472  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.3 121.9  
160 44.4 36.3 54.5

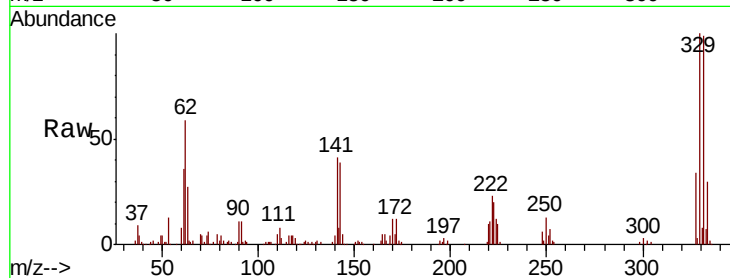




#42  
 2,4,6-Tribromophenol  
 Concen: 84.371 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037606.D  
 Acq: 27 Oct 2018 7:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 102318-DBRI-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 78.4  | 117.6 |
| 141     | 40.4  | 32.2  | 48.2  |

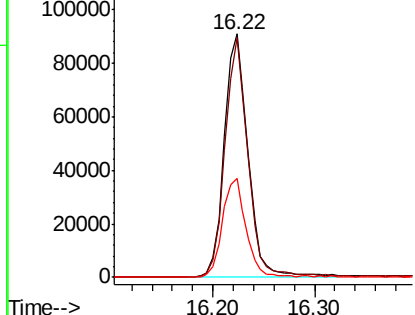
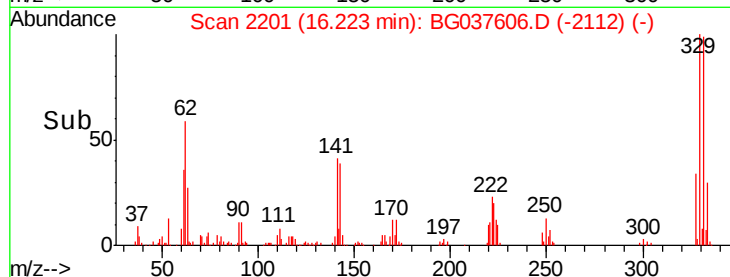


Abundance

Ion 329.80 (329.50 to 330.50): E

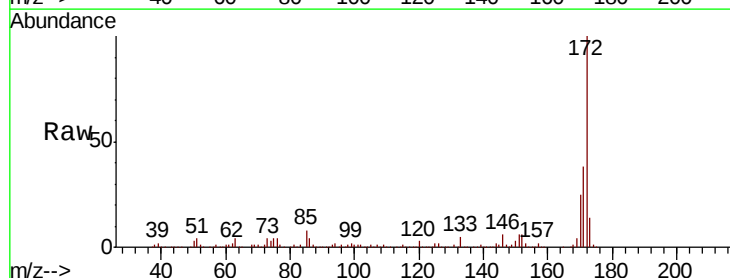
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.530 ng  
 RT: 13.36 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BG037606.D  
 Acq: 27 Oct 2018 7:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 31.0  | 46.4  |
| 170     | 25.2  | 20.2  | 30.2  |

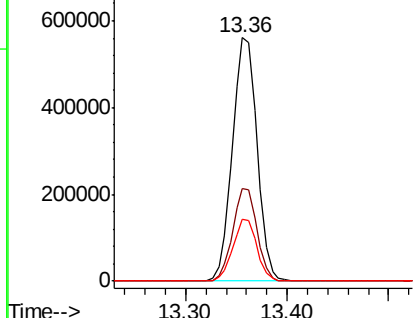
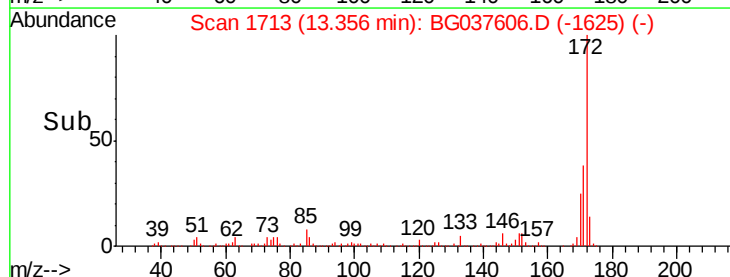


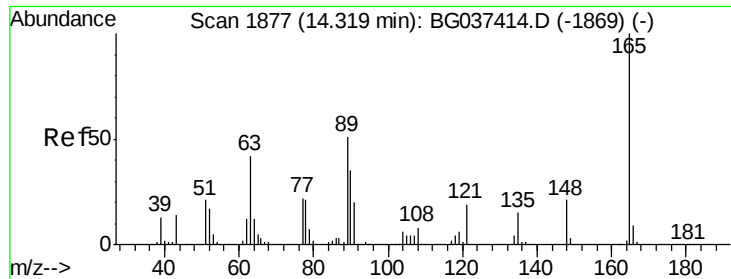
Abundance

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

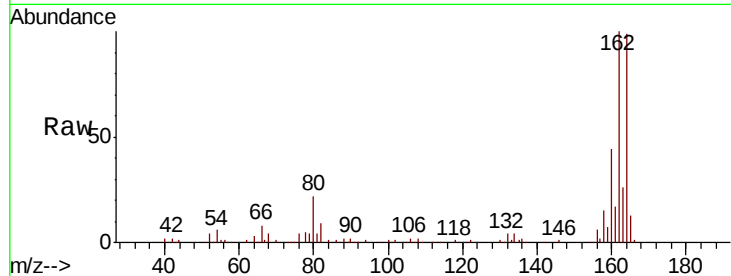




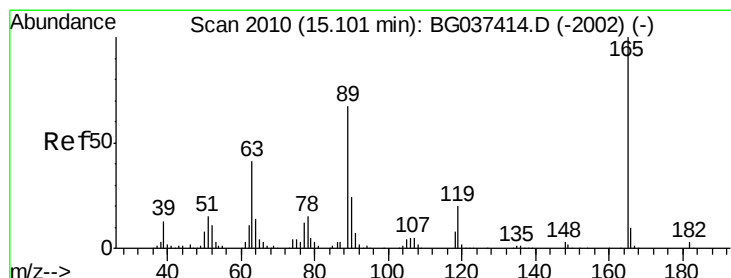
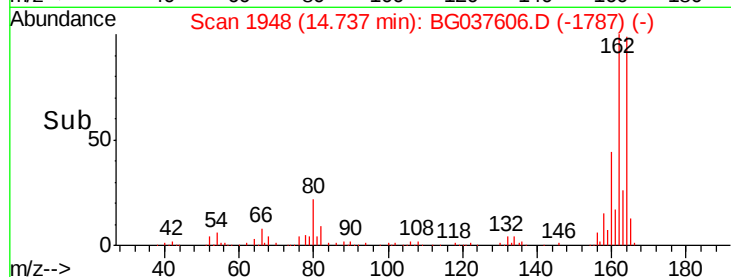
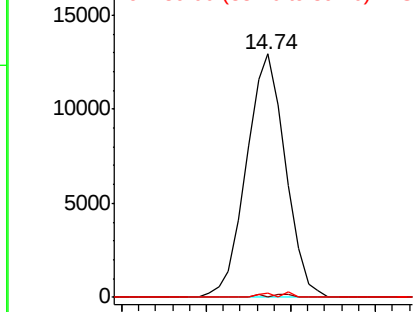
#51  
2,6-Dinitrotoluene  
Concen: 7.485 ng  
RT: 14.74 min Scan# 1948  
Delta R.T. 0.42 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 43.4  | 65.2# |
| 89      | 1.7   | 45.8  | 68.6# |



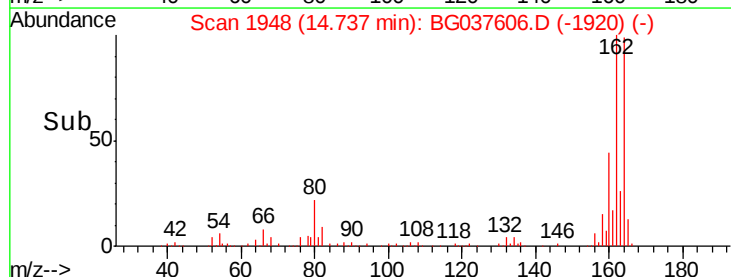
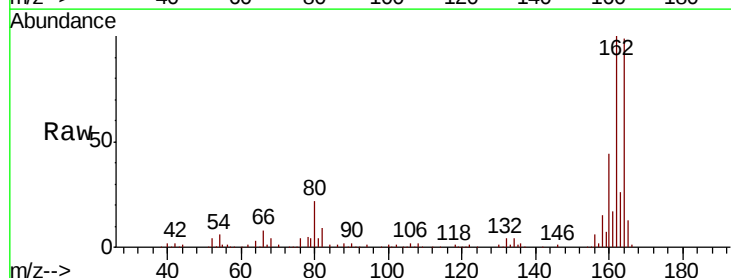
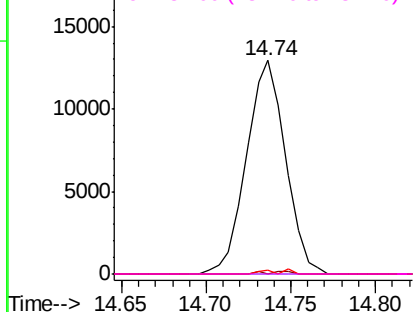
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

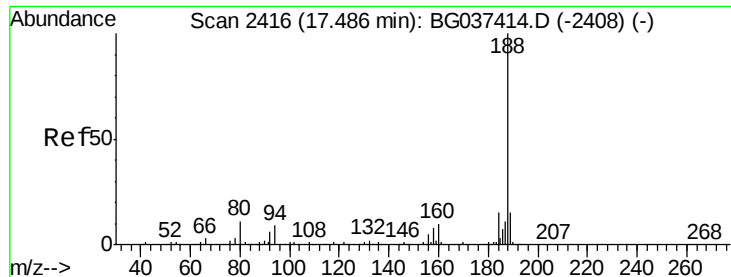


#57  
2,4-Dinitrotoluene  
Concen: 5.702 ng  
RT: 14.74 min Scan# 1948  
Delta R.T. -0.36 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 33.4  | 50.0# |
| 89      | 1.7   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |

Abundance Ion 165.00 (164.70 to 165.70): E  
20000 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

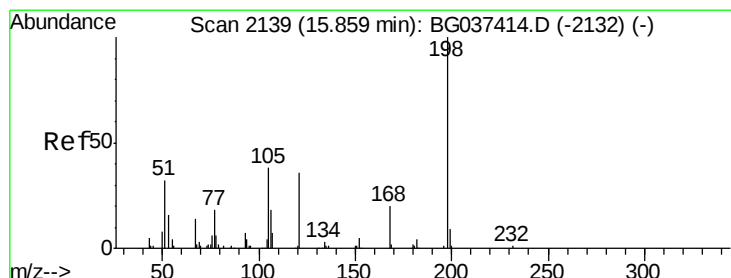
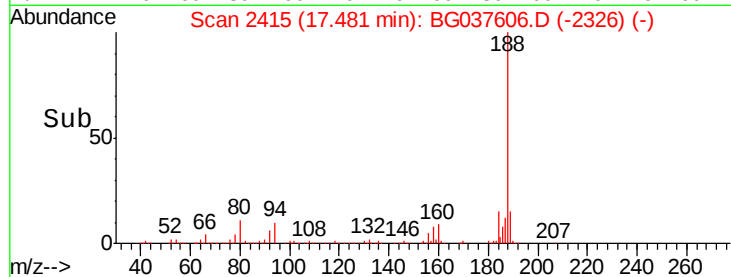
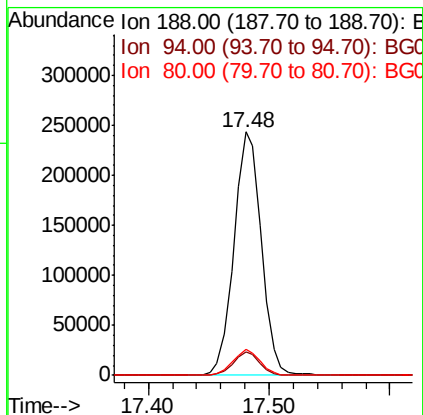
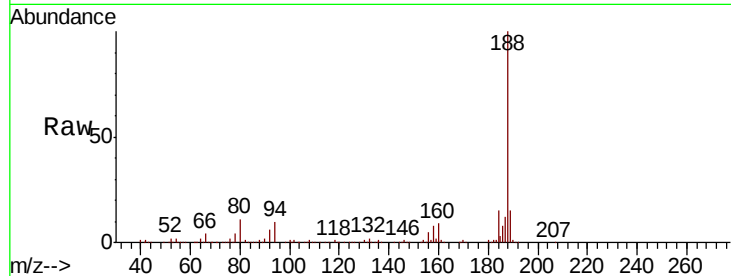




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

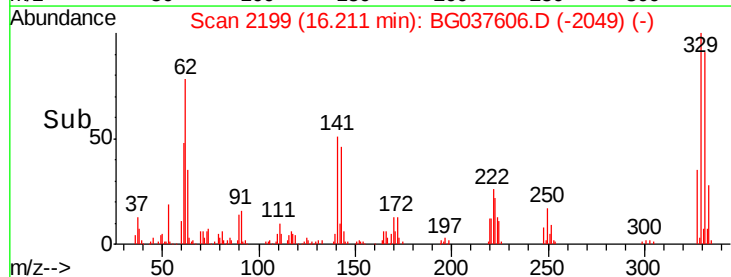
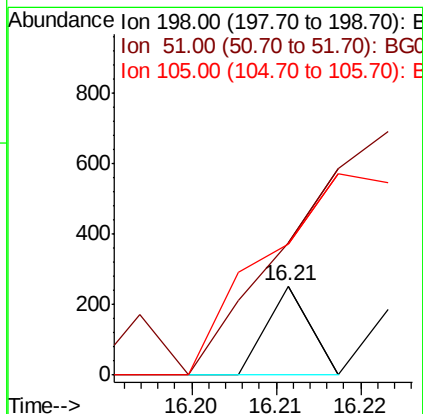
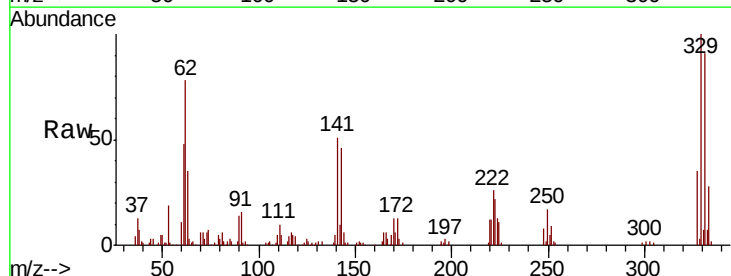
Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Tot Ion:188 Resp: 384732  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.2 10.8  
80 10.8 7.7 11.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.544 ng  
RT: 16.21 min Scan# 2199  
Delta R.T. 0.35 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Tgt Ion:198 Resp: 89  
Ion Ratio Lower Upper  
198 100  
51 32.3 22.7 62.7  
105 32.2 19.7 59.7

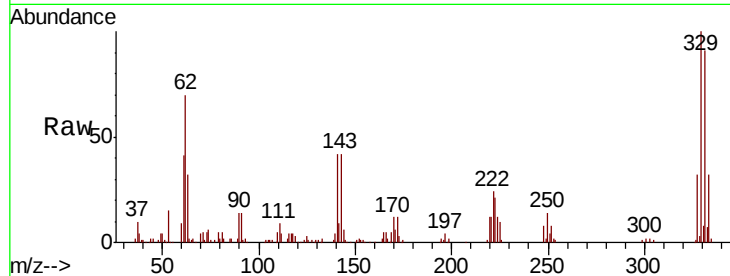




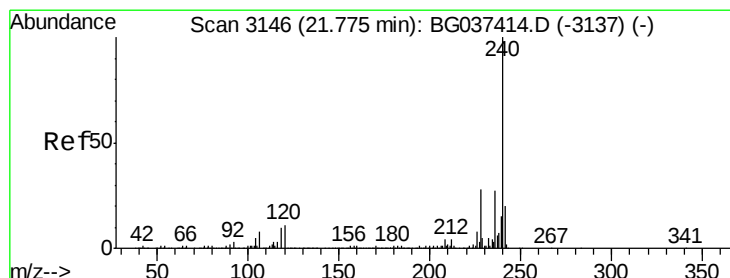
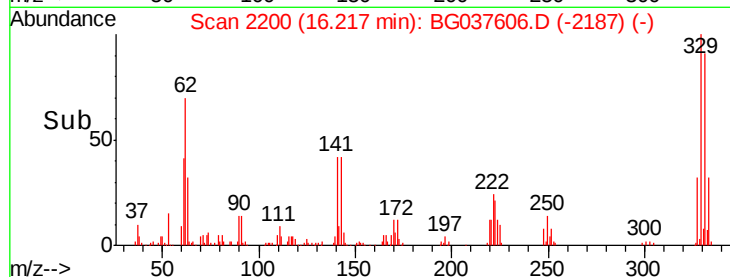
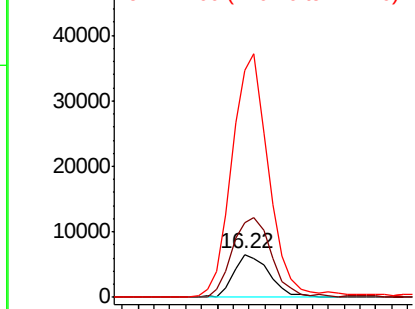
#67  
4-Bromophenyl-phenylether  
Concen: 2.427 ng  
RT: 16.22 min Scan# 2200  
Delta R.T. -0.45 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Instrument :  
BNA\_G  
ClientSampleId :  
102318-DBRI-F-U-S

Tot Ion:248 Resp: 10254  
Ion Ratio Lower Upper  
248 100  
250 184.9 77.0 115.6#  
141 423.4 55.5 83.3#

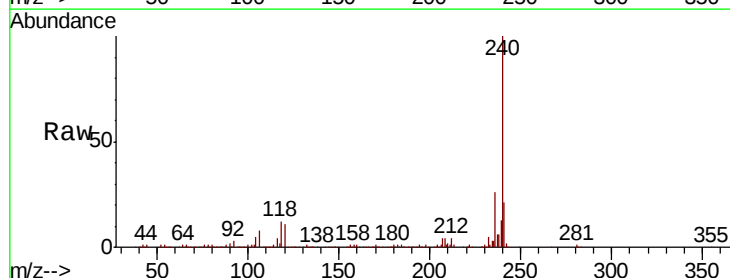


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

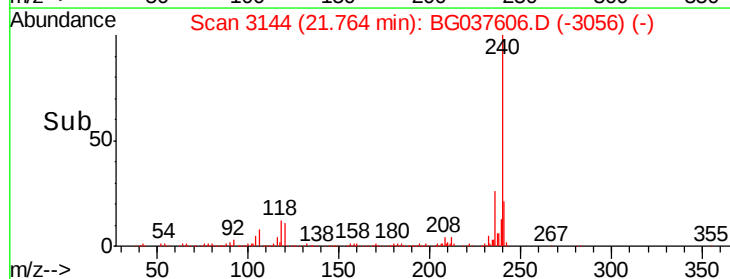
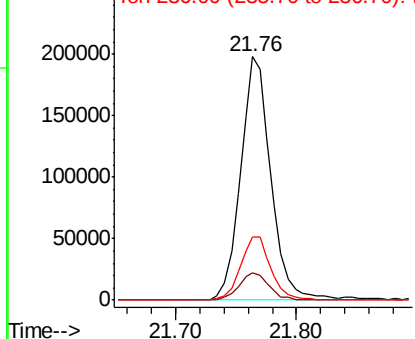


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3144  
Delta R.T. -0.01 min  
Lab File: BG037606.D  
Acq: 27 Oct 2018 7:34

Tgt Ion:240 Resp: 343045  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.1 12.1  
236 26.1 21.4 32.0



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





#79

Terphenyl-d14

Concen: 89.295 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037606.D

Acq: 27 Oct 2018 7:34

Instrument :

BNA\_G

ClientSampleId :

102318-DBRI-F-U-S

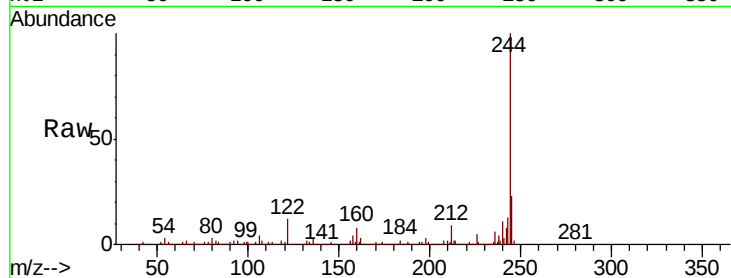
Tot Ion:244 Resp: 1433570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 6.5   | 9.7   |
| 122 | 11.9  | 9.0   | 13.4  |

244 100

212 8.8 6.5 9.7

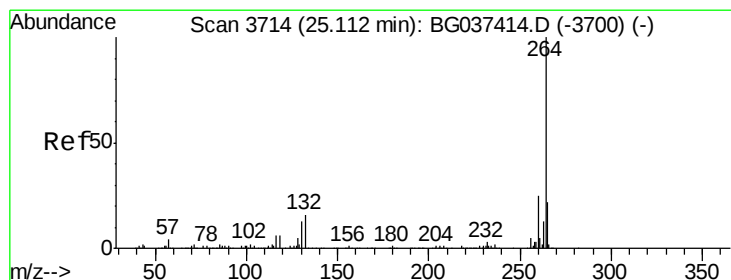
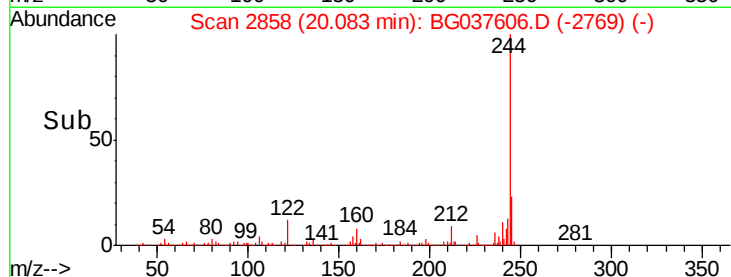
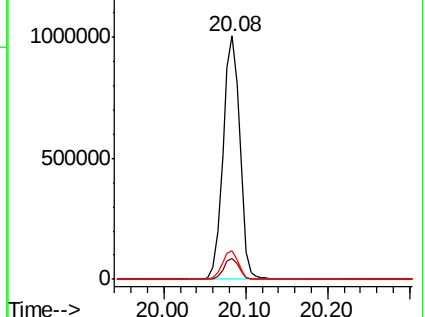
122 11.9 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037606.D

Acq: 27 Oct 2018 7:34

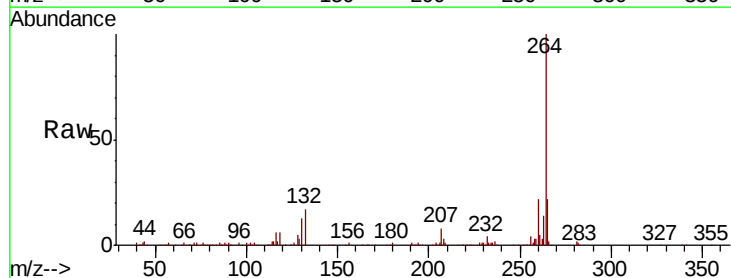
Tgt Ion:264 Resp: 335733

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 18.2  | 27.4  |
| 265 | 21.9  | 17.9  | 26.9  |

264 100

260 22.4 18.2 27.4

265 21.9 17.9 26.9



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

