

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\  
 Data File : BG037769.D  
 Acq On : 3 Nov 2018 00:34  
 Operator : JU/SJ  
 Sample : J5803-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 03 02:31:29 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

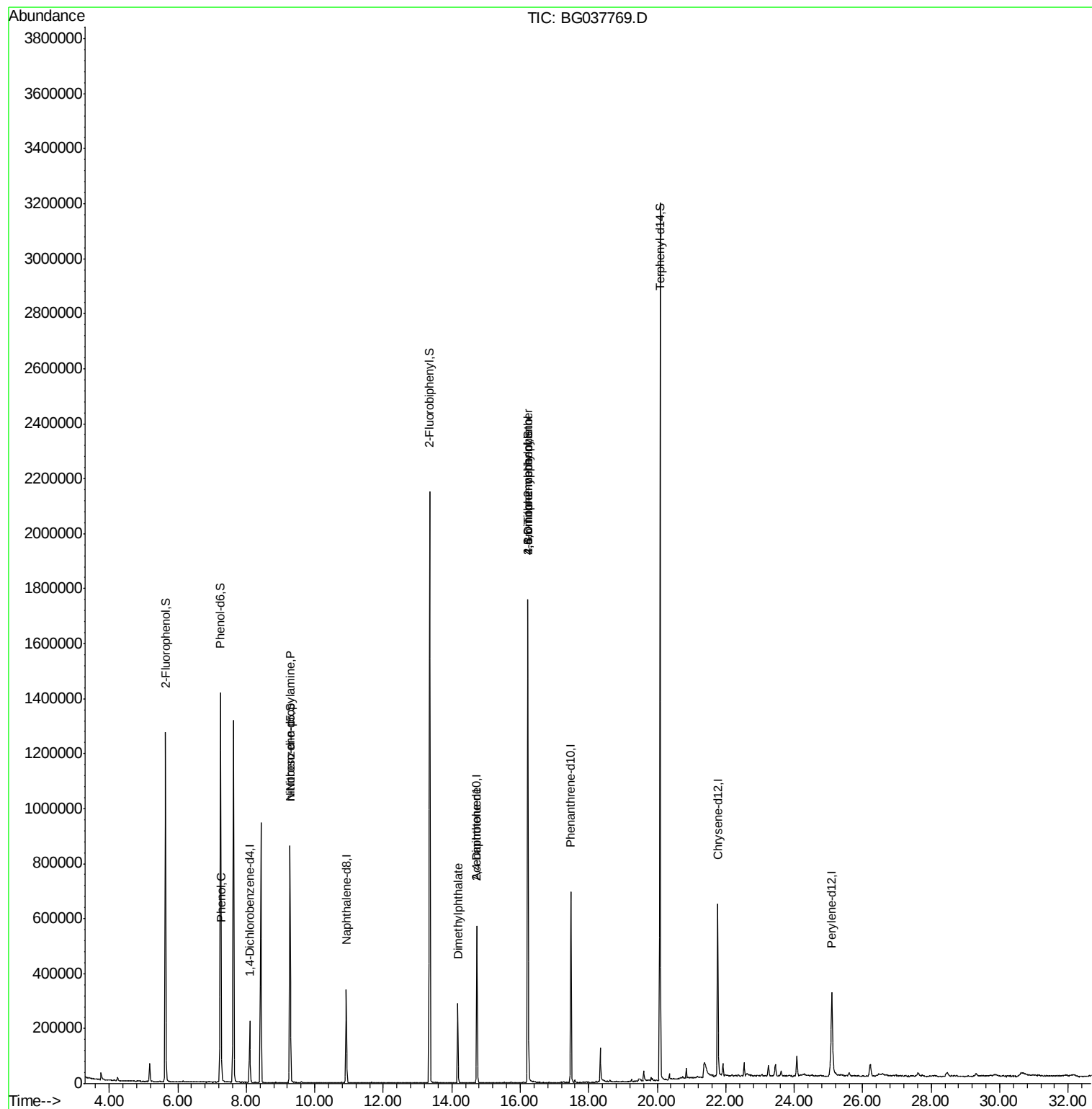
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 66920    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.92 | 136  | 304733   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.73 | 164  | 200187   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 446403   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 408348   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.10 | 264  | 386253   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 600355   | 149.99 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 904104   | 149.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 550009   | 101.11 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 341516   | 156.41 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 1197467  | 90.20  | ng    | -0.01    |
| 79) Terphenyl-d14              | 20.08 | 244  | 1539939  | 80.58  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 62484    | 9.784  | ng    | 97       |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 70245    | 16.854 | ng    | # 75     |
| 50) Dimethylphthalate          | 14.18 | 163  | 200813   | 12.967 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 25812    | 5.740  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylphenol | 16.22 | 198  | 1012     | 8.863  | ng    | 72       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 25571    | 5.216  | ng    | # 1      |

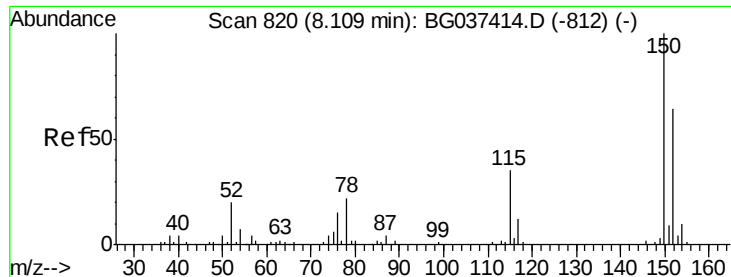
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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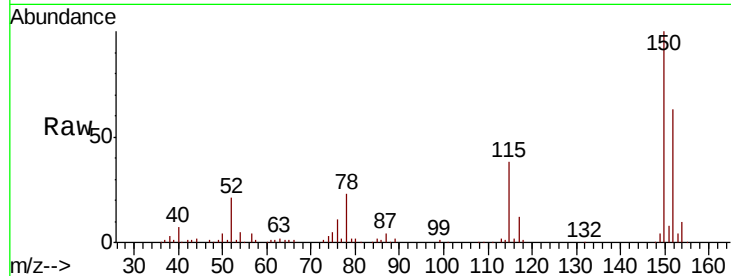


#1

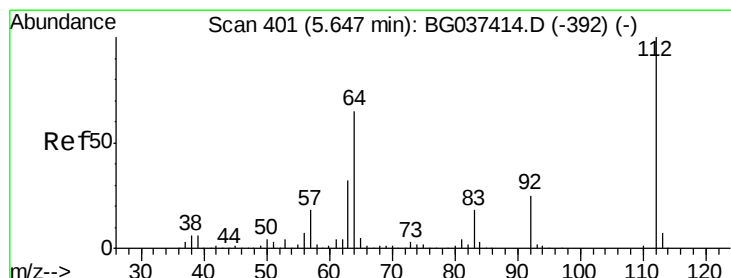
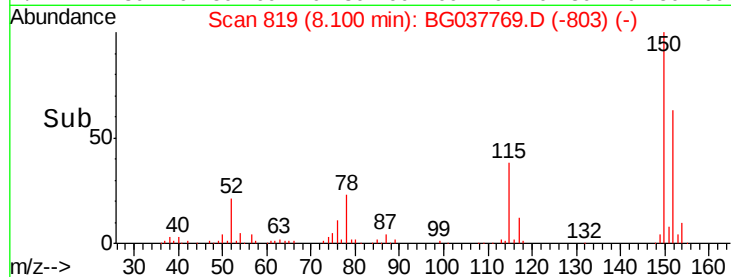
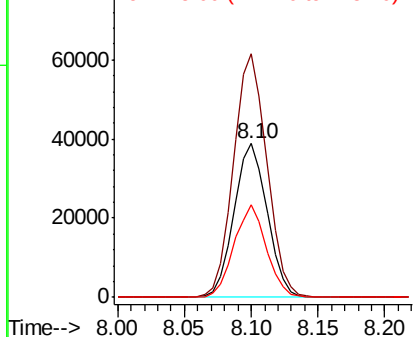
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 66920  
Ion Ratio Lower Upper  
152 100  
150 158.2 126.0 189.0  
115 60.0 45.5 68.3



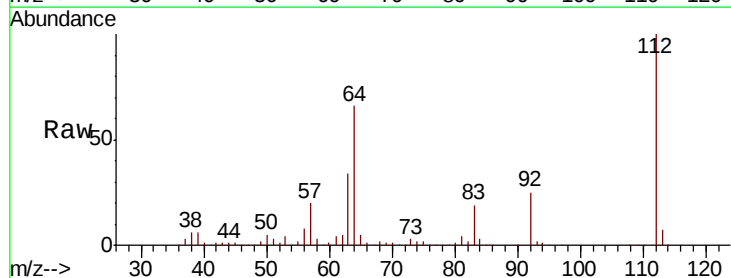
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



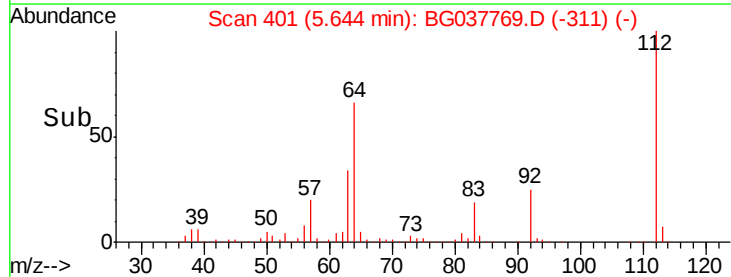
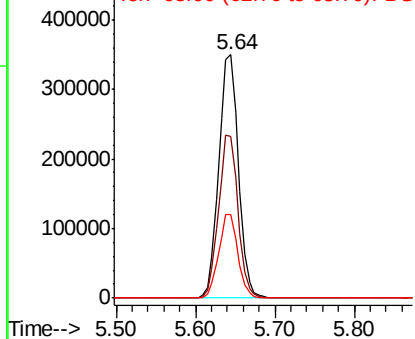
#5

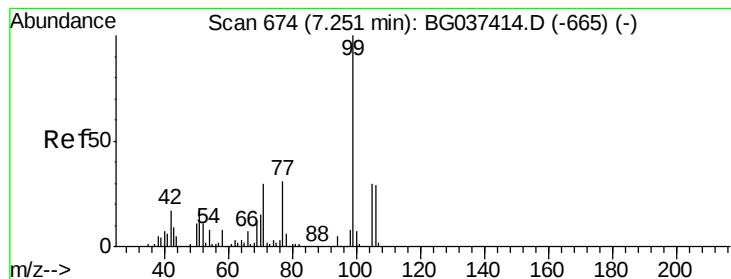
2-Fluorophenol  
Concen: 149.986 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Tgt Ion:112 Resp: 600355  
Ion Ratio Lower Upper  
112 100  
64 66.3 53.1 79.7  
63 34.2 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: 149.373 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037769.D

Acq: 3 Nov 2018 00:34

Instrument :

BNA\_G

ClientSampleId :

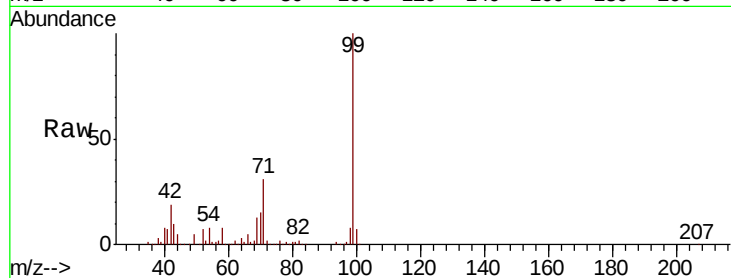
Tot Ion: 99 Resp: 904104

Ion Ratio Lower Upper

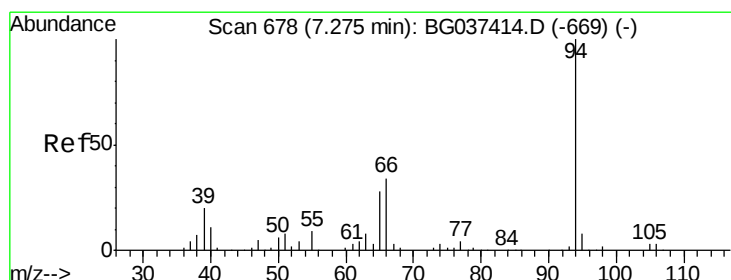
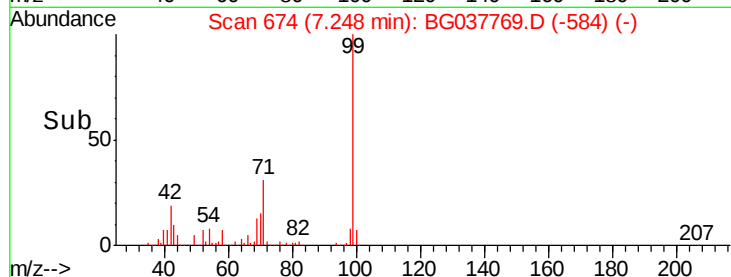
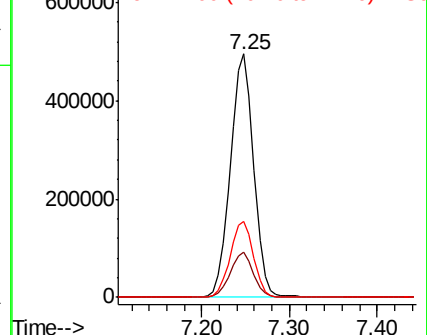
99 100

42 18.6 15.0 22.4

71 31.1 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: 9.784 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037769.D

Acq: 3 Nov 2018 00:34

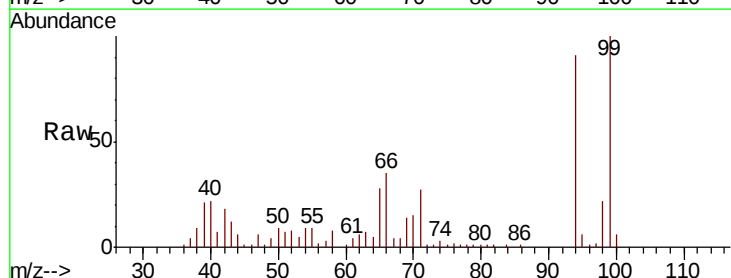
Tgt Ion: 94 Resp: 62484

Ion Ratio Lower Upper

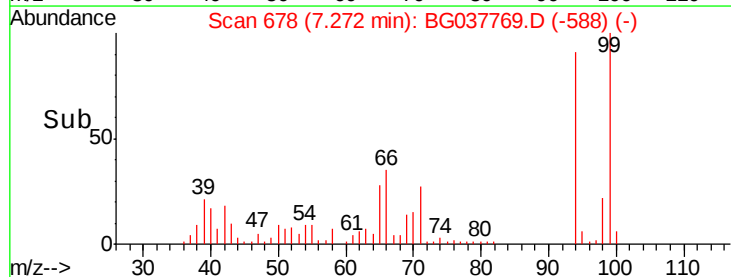
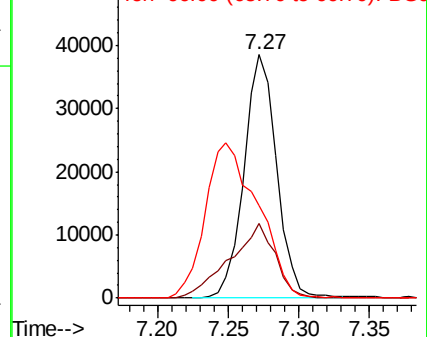
94 100

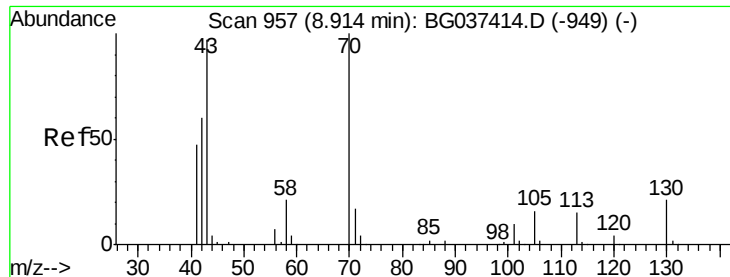
65 30.8 9.7 49.7

66 37.8 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

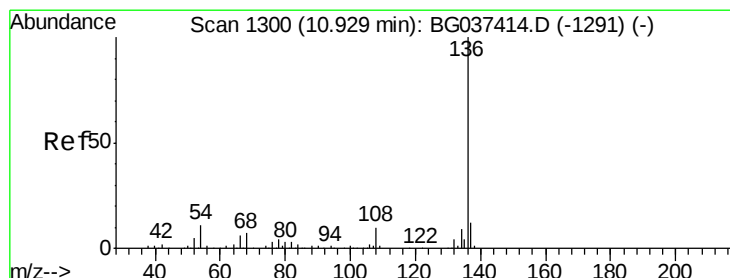
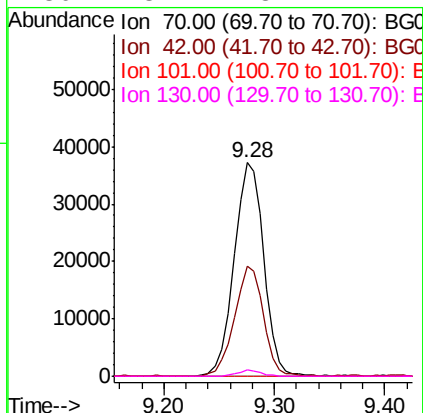
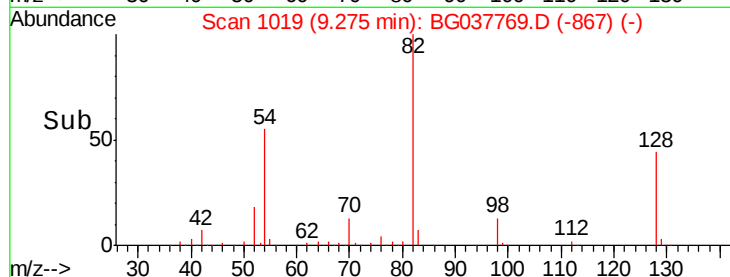
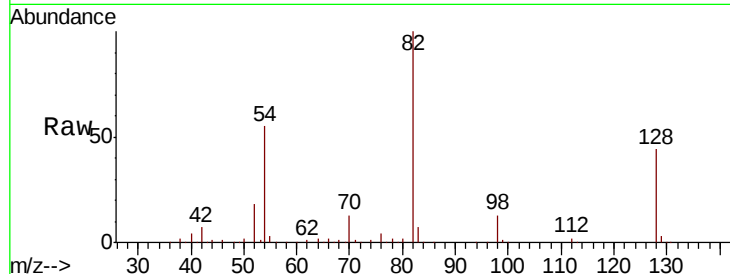




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.854 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. 0.36 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

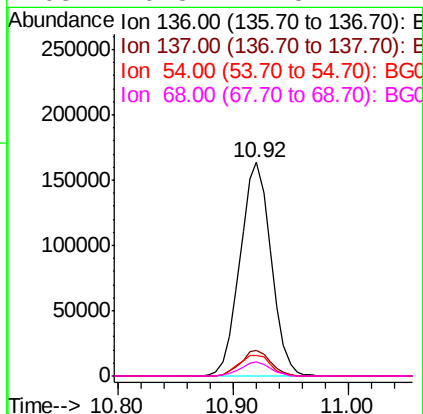
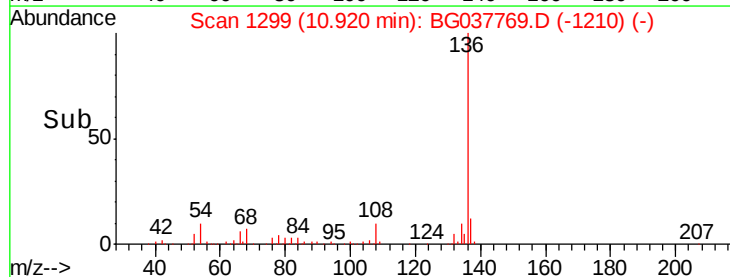
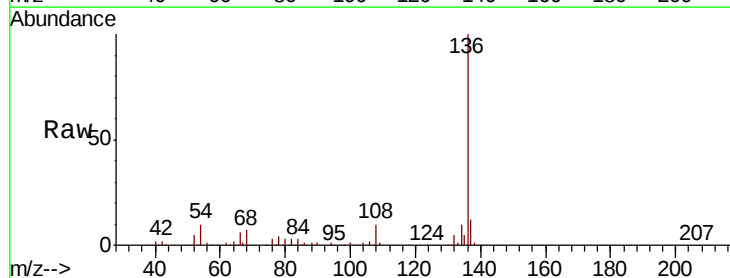
Instrument :  
BNA\_G  
ClientSampleId :

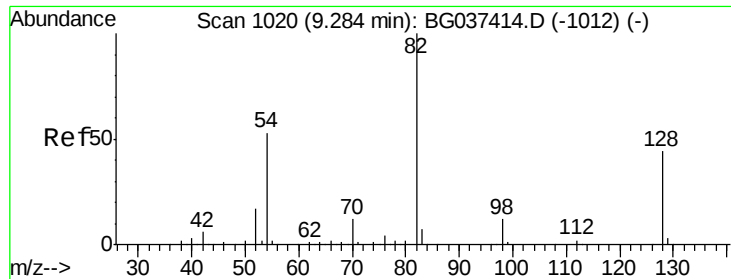
Tot Ion: 70 Resp: 70245  
Ion Ratio Lower Upper  
70 100  
42 51.7 53.9 80.9#  
101 0.0 8.2 12.2#  
130 3.4 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Tgt Ion: 136 Resp: 304733  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.6 14.4  
54 9.9 7.9 11.9  
68 6.8 4.8 7.2

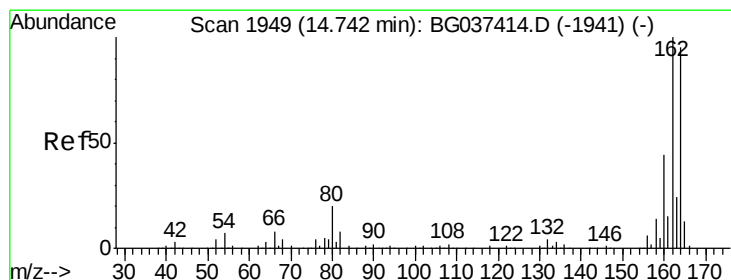
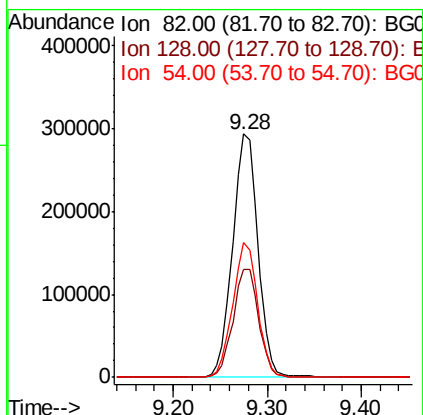
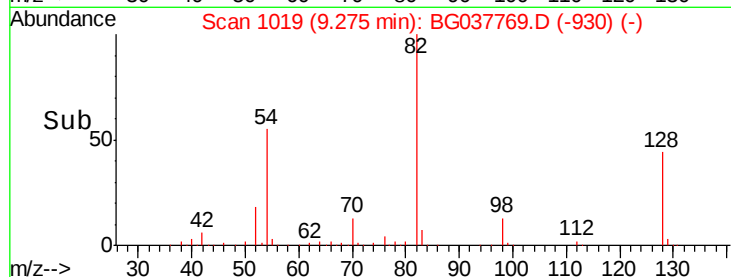
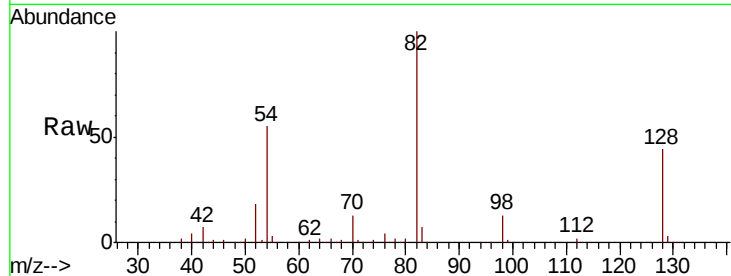




#23  
 Nitrobenzene-d5  
 Concen: 101.108 ng  
 RT: 9.28 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BG037769.D  
 Acq: 3 Nov 2018 00:34

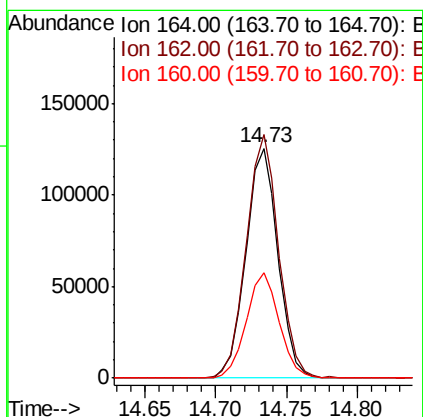
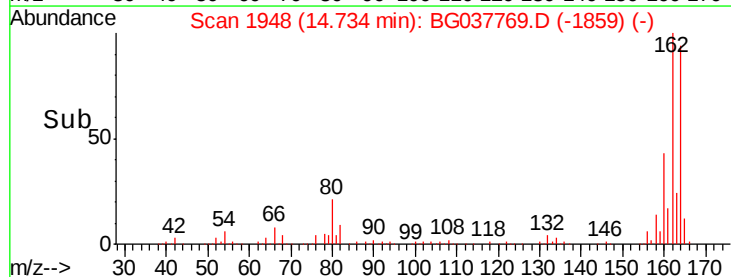
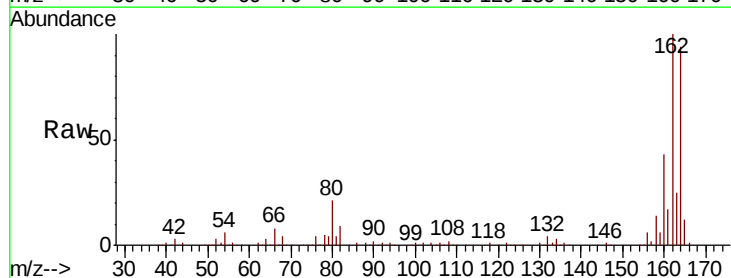
Instrument :  
 BNA\_G  
 ClientSampled :

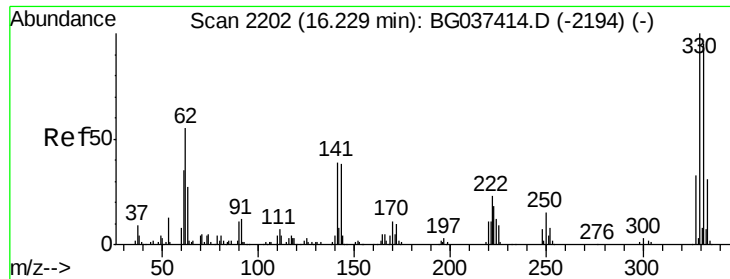
| Tot Ion   | 82    | Resp  | 550009 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.4  | 34.6  | 51.8   |
| 54        | 55.5  | 45.3  | 67.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BG037769.D  
 Acq: 3 Nov 2018 00:34

| Tgt Ion   | 164   | Resp  | 200187 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.9 | 81.3  | 121.9  |
| 160       | 45.7  | 36.3  | 54.5   |

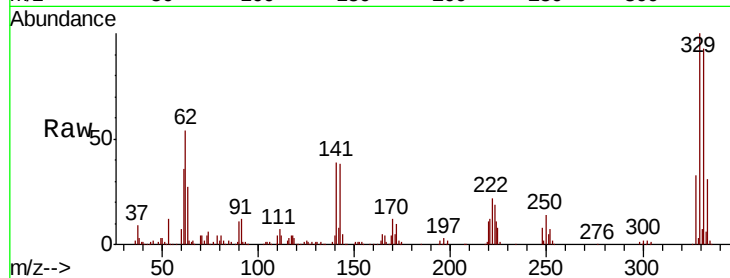




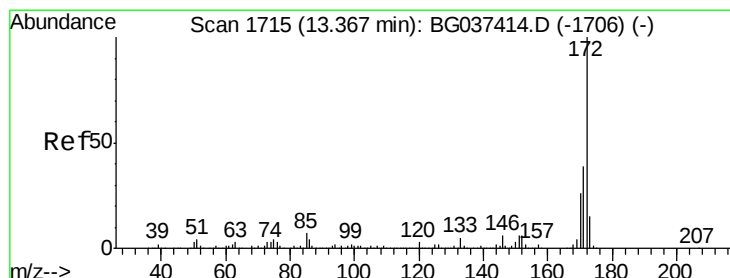
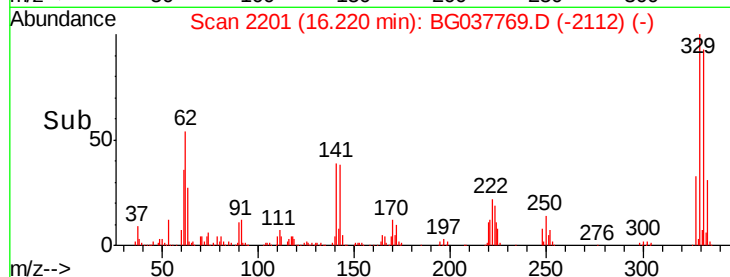
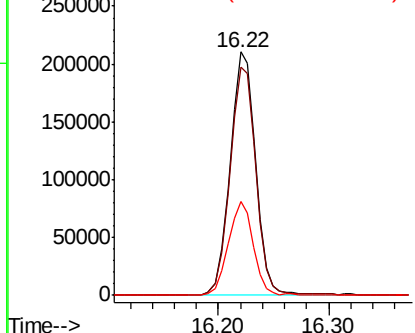
#42  
 2,4,6-Tribromophenol  
 Concen: 156.413 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037769.D  
 Acq: 3 Nov 2018 00:34

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:330 Resp: 341516  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 78.4 117.6  
 141 37.8 32.2 48.2

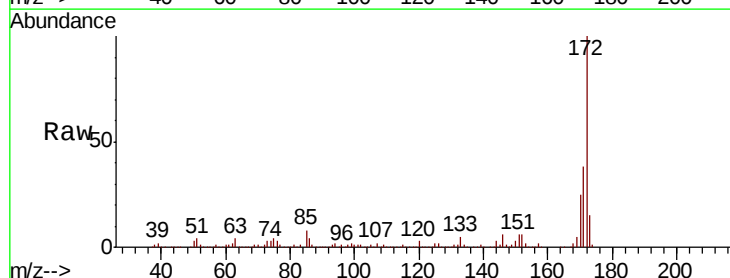


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

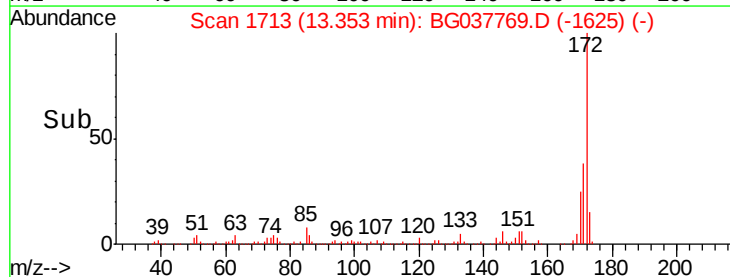
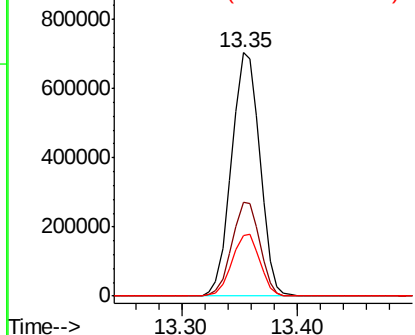


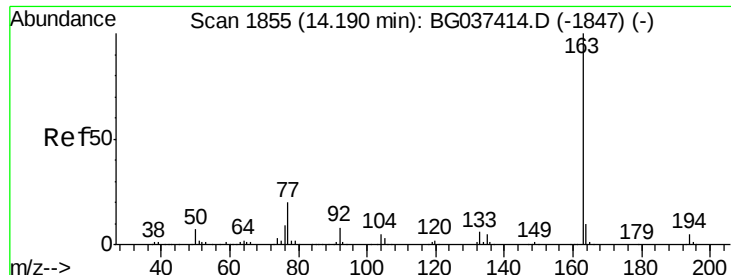
#45  
 2-Fluorobiphenyl  
 Concen: 90.201 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BG037769.D  
 Acq: 3 Nov 2018 00:34

Tgt Ion:172 Resp: 1197467  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 31.0 46.4  
 170 25.0 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

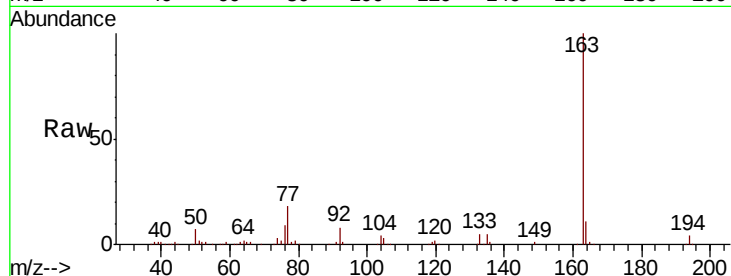




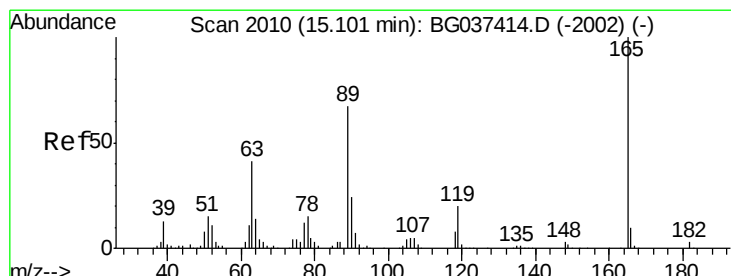
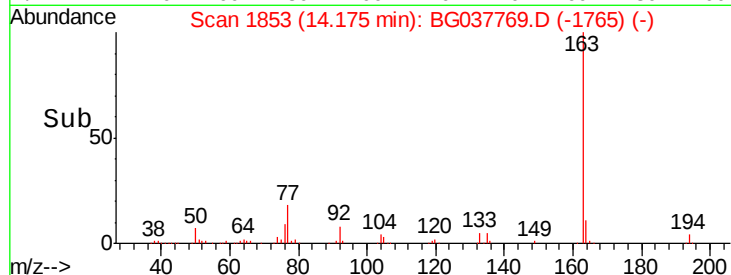
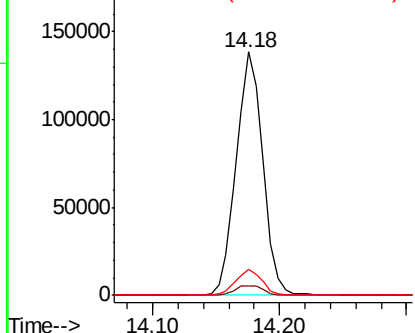
#50  
Dimethylphthalate  
Concen: 12.967 ng  
RT: 14.18 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 200813  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.5 5.3  
164 10.8 8.5 12.7

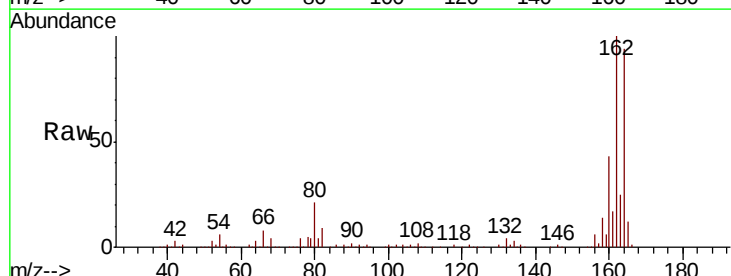


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

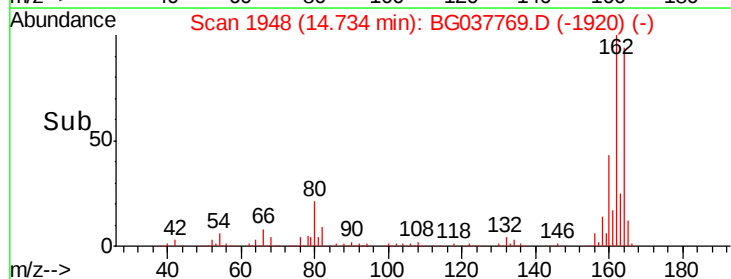
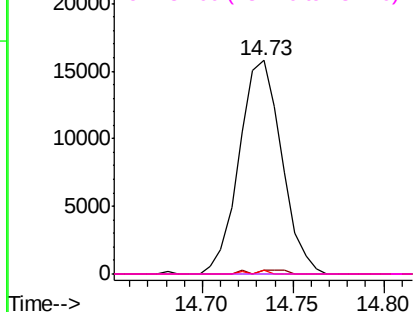


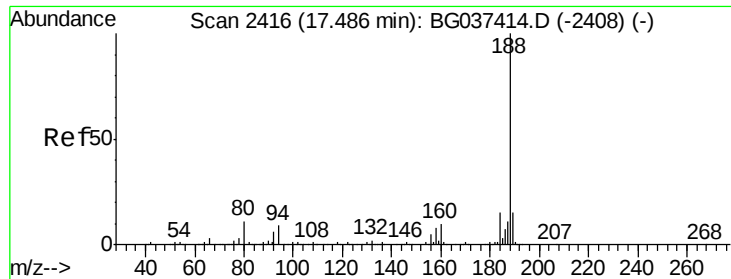
#57  
2,4-Dinitrotoluene  
Concen: 5.740 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.37 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Tgt Ion:165 Resp: 25812  
Ion Ratio Lower Upper  
165 100  
63 1.7 33.4 50.0#  
89 1.9 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: BG037769.D

Acq: 3 Nov 2018 00:34

Instrument :

BNA\_G

ClientSampleId :

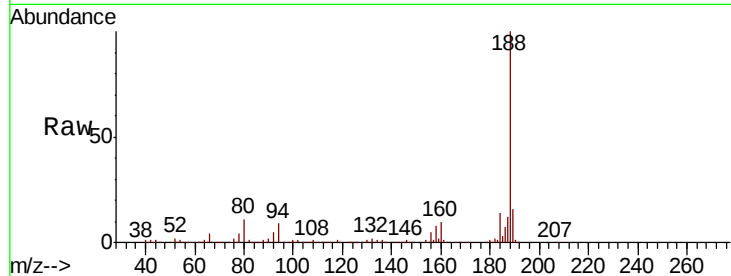
Tot Ion:188 Resp: 446403

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

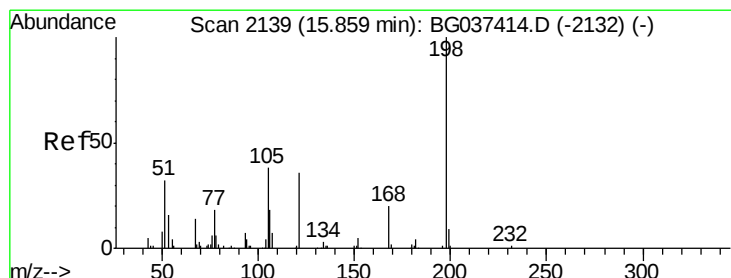
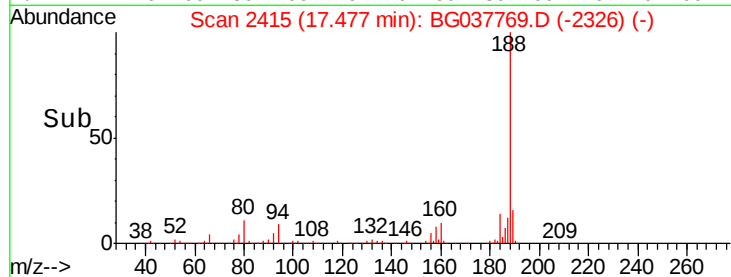
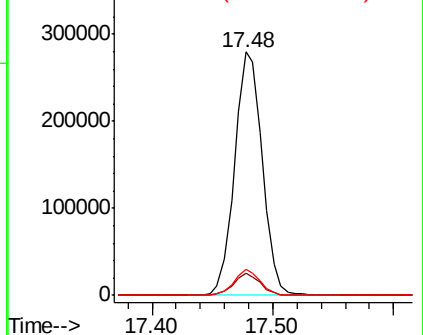
80 10.7 7.7 11.5



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: 8.863 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037769.D

Acq: 3 Nov 2018 00:34

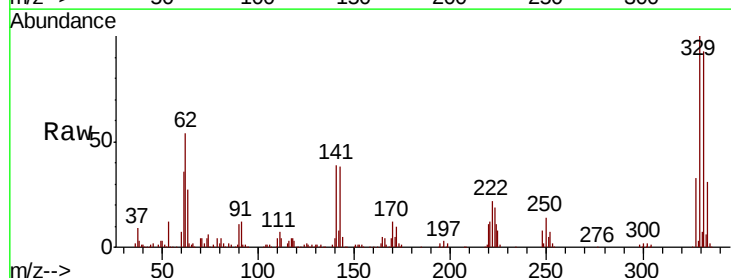
Tgt Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 23.6 22.7 62.7

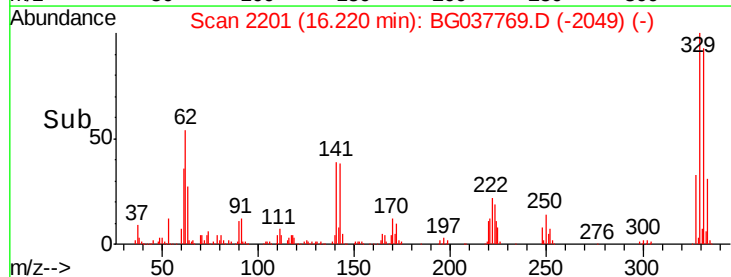
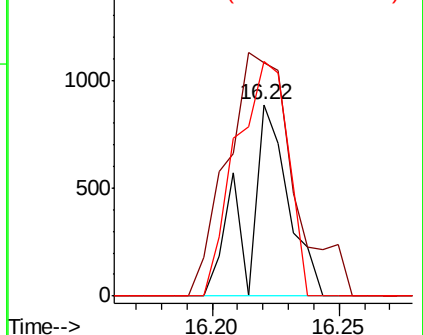
105 23.7 19.7 59.7

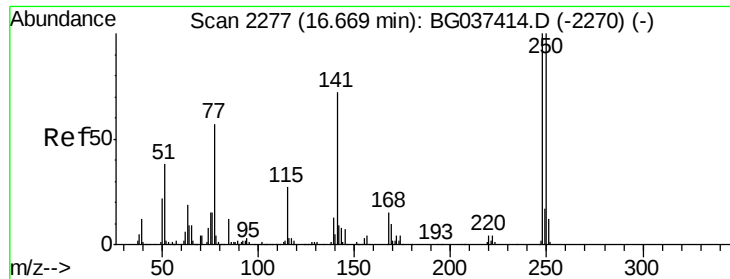


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

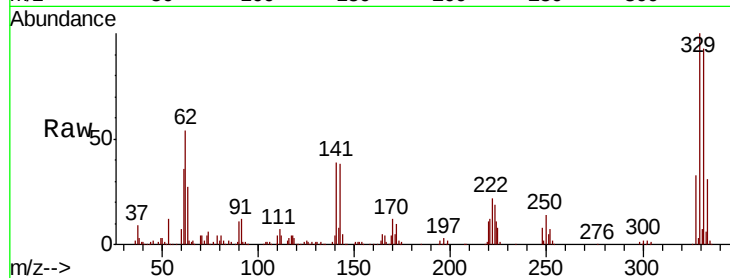




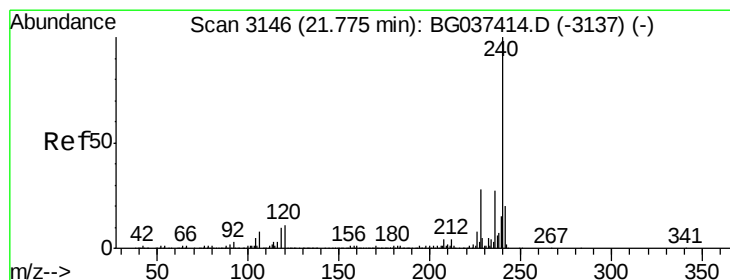
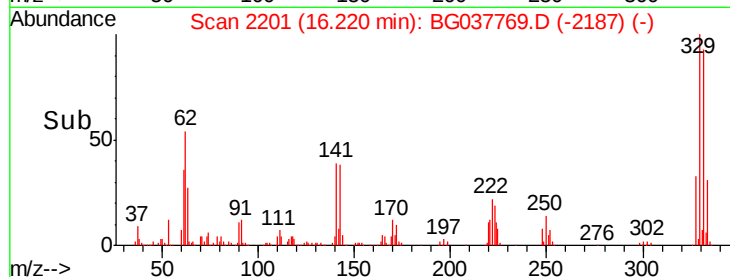
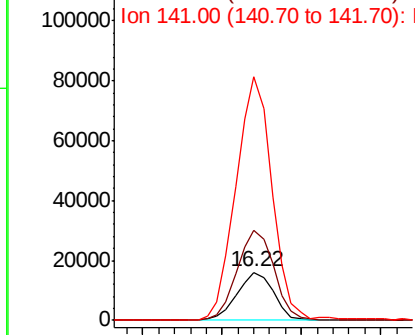
#67  
4-Bromophenyl-phenylether  
Concen: 5.216 ng  
RT: 16.22 min Scan# 2201  
Delta R.T. -0.45 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 25571  
Ion Ratio Lower Upper  
248 100  
250 186.8 77.0 115.6#  
141 380.9 55.5 83.3#

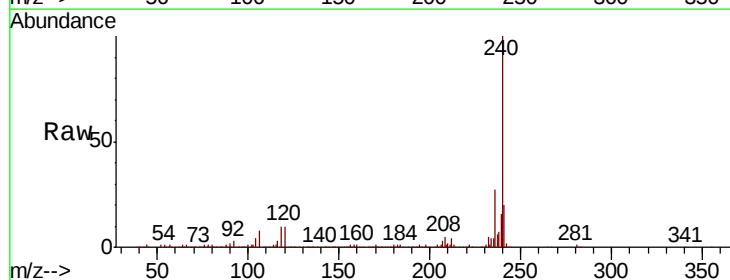


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

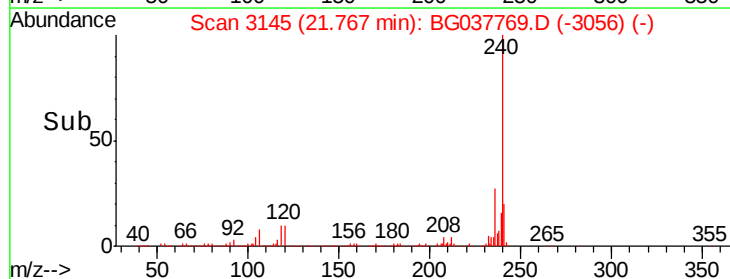
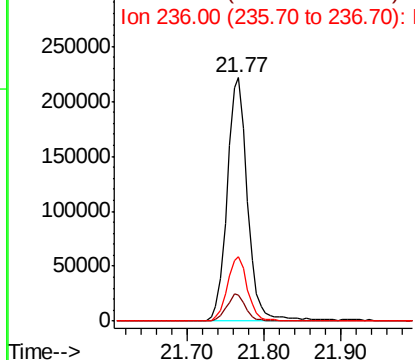


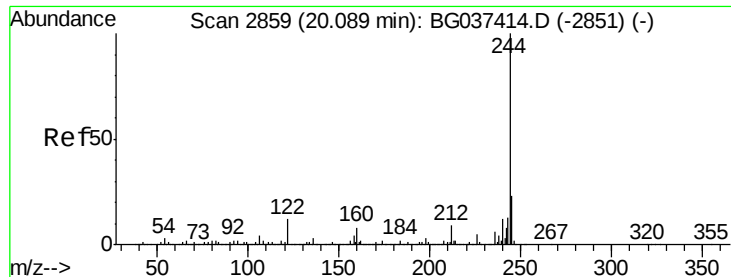
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG037769.D  
Acq: 3 Nov 2018 00:34

Tgt Ion:240 Resp: 408348  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.1 12.1  
236 26.6 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: 80.581 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037769.D

Acq: 3 Nov 2018 00:34

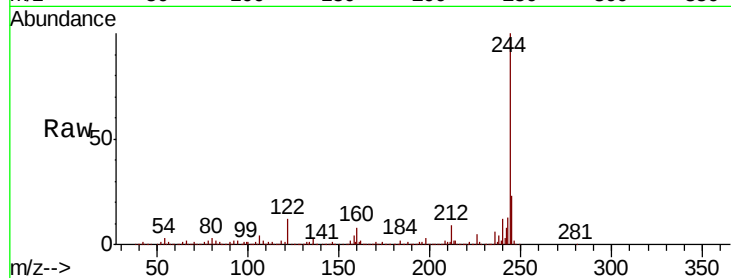
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1539939

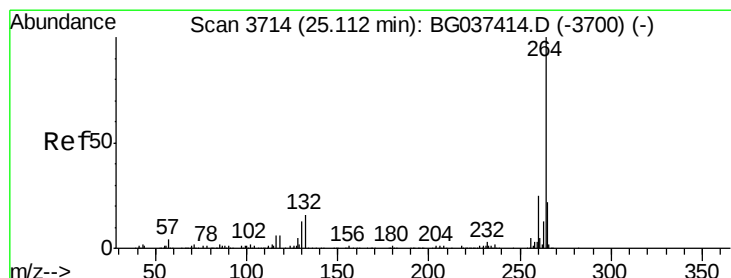
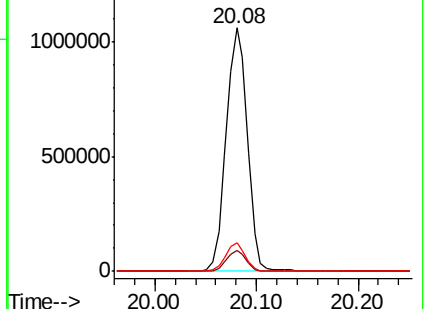
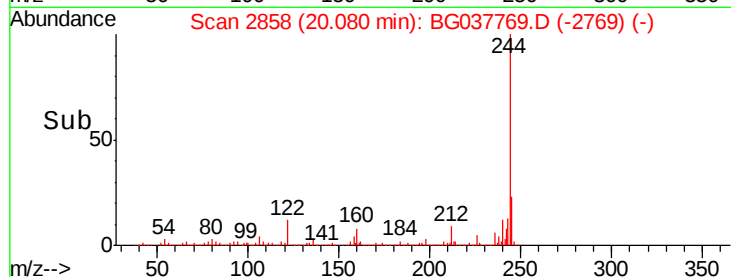
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 6.5   | 9.7   |
| 122 | 11.5  | 9.0   | 13.4  |



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: 25.10 min Scan# 3713

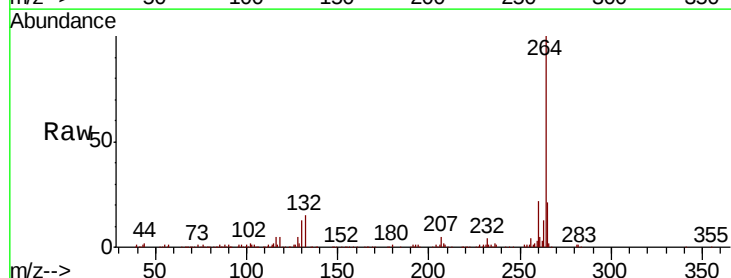
Delta R.T. -0.01 min

Lab File: BG037769.D

Acq: 3 Nov 2018 00:34

Tgt Ion:264 Resp: 386253

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.9  | 18.2  | 27.4  |
| 265 | 21.3  | 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

