

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG101718\  
 Data File : BG037397.D  
 Acq On : 17 Oct 2018 19:28  
 Operator : JU/SJ  
 Sample : J5539-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB12-6-8FT

Quant Time: Oct 18 11:43:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 15:19:35 2018  
 Response via : Initial Calibration

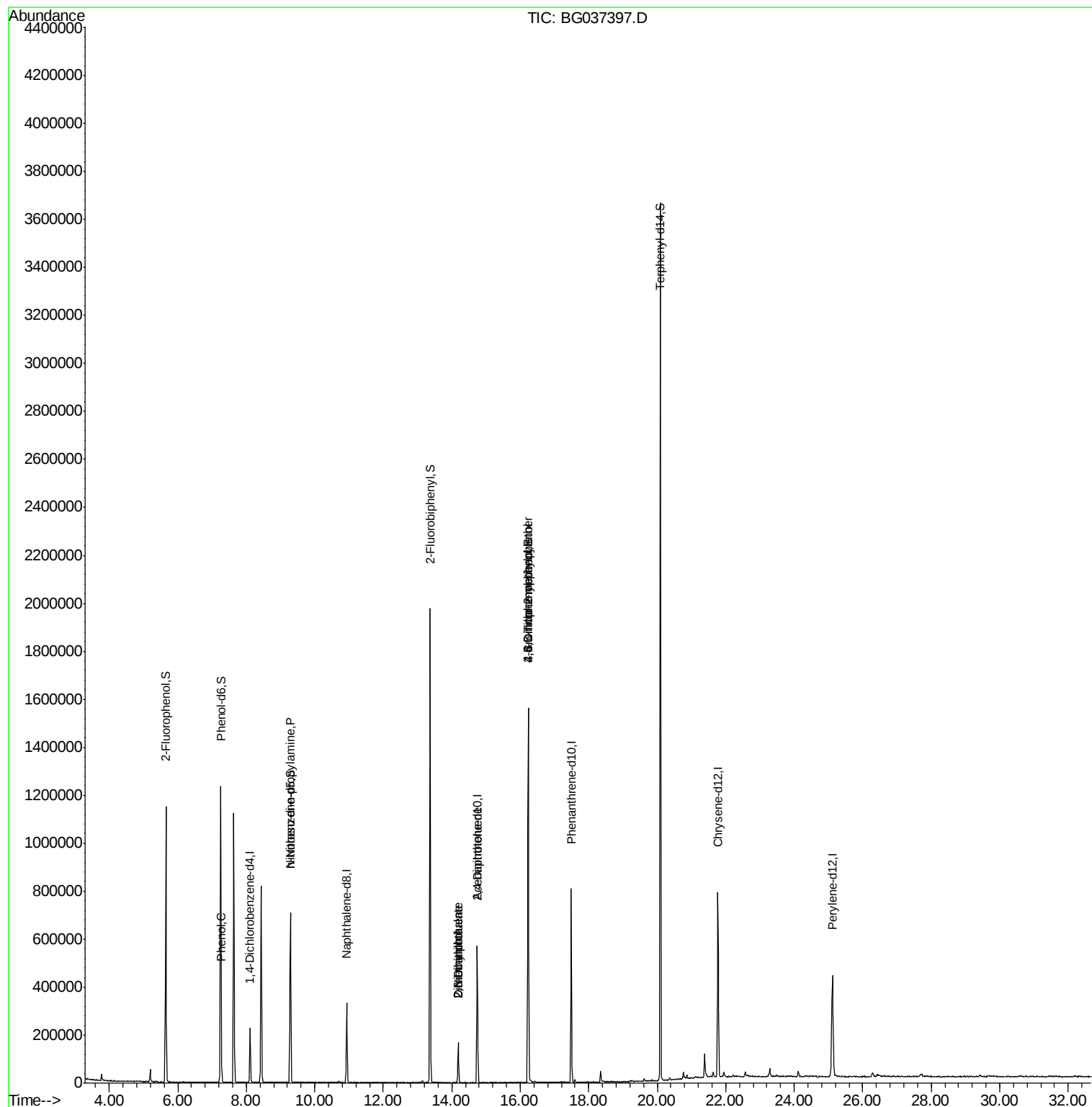
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.11  | 152  | 68044    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.93 | 136  | 295496   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.74 | 164  | 203503   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.49 | 188  | 498571   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.77 | 240  | 472952   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.11 | 264  | 482233   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 522536   | 135.15 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 772106   | 131.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.29  | 82   | 444320   | 98.86  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.23 | 330  | 282565   | 141.58 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.37 | 172  | 1076274  | 79.42  | ng    | -0.01    |
| 79) Terphenyl-d14              | 20.09 | 244  | 1662366  | 73.80  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.28  | 94   | 29466    | 4.767  | ng    | 92       |
| 19) n-Nitroso-di-n-propylamine | 9.29  | 70   | 57439    | 12.928 | ng    | # 70     |
| 48) 2-Nitroaniline             | 14.18 | 65   | 1163     | 6.054  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.19 | 163  | 116876   | 7.308  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.18 | 165  | 1175     | 5.151  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 25292    | 11.050 | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 1119     | 6.574  | ng    | # 81     |
| 67) 4-Bromophenyl-phenylether  | 16.23 | 248  | 21244    | 3.948  | ng    | # 1      |

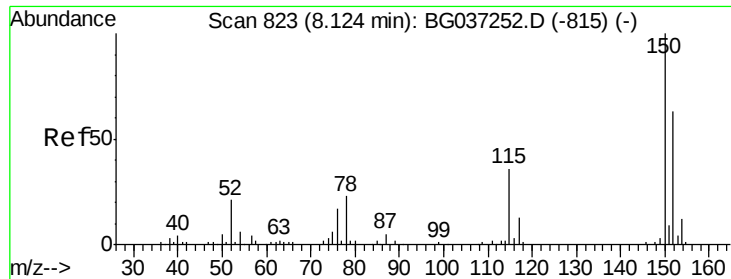
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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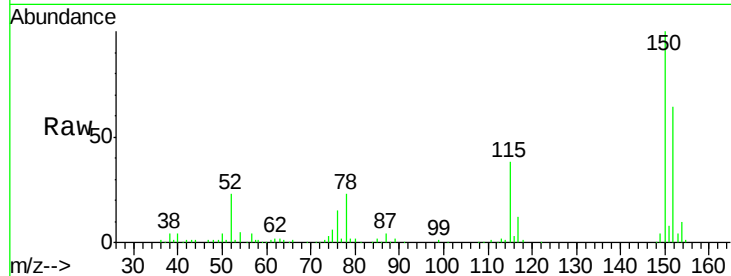


#1

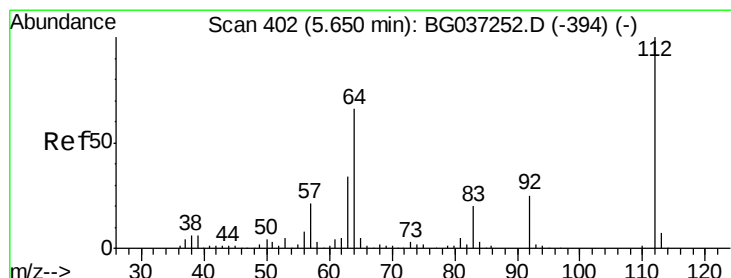
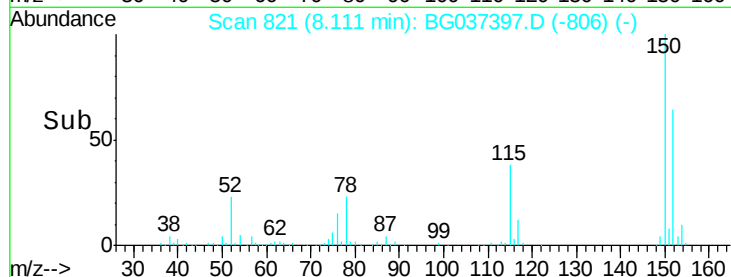
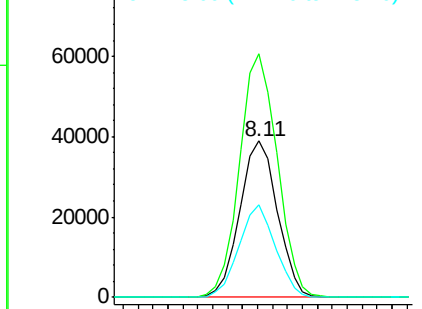
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB12-6-8FT

Tgt Ion:152 Resp: 68044  
Ion Ratio Lower Upper  
152 100  
150 155.8 126.0 189.0  
115 59.4 45.5 68.3



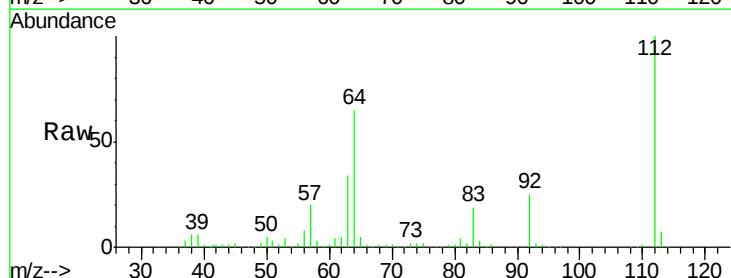
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



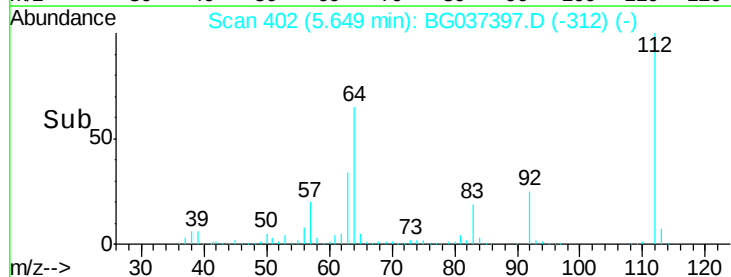
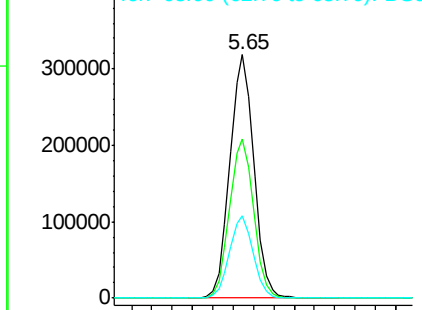
#5

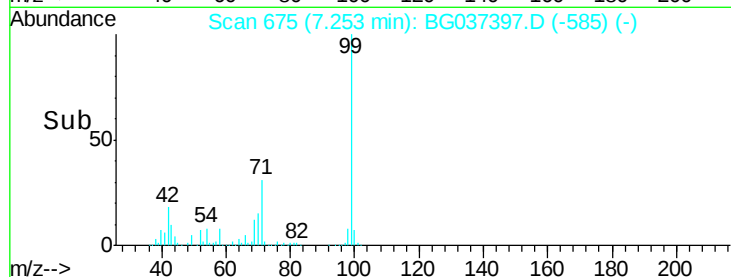
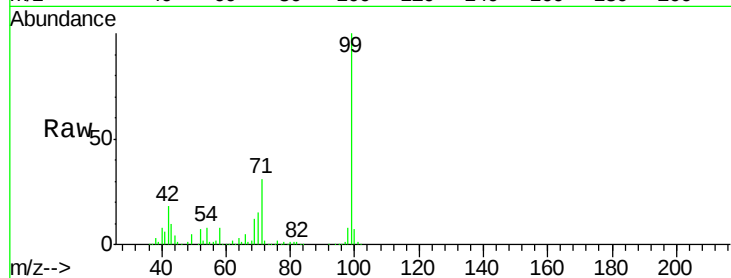
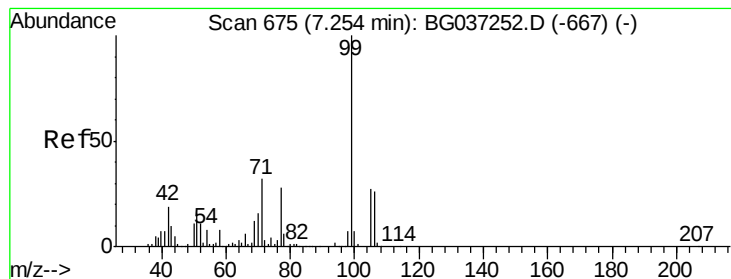
2-Fluorophenol  
Concen: 135.150 ng  
RT: 5.65 min Scan# 402  
Delta R.T. -0.00 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

Tgt Ion:112 Resp: 522536  
Ion Ratio Lower Upper  
112 100  
64 65.2 53.1 79.7  
63 34.0 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: 131.568 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA\_G

ClientSampleId :

SB12-6-8FT

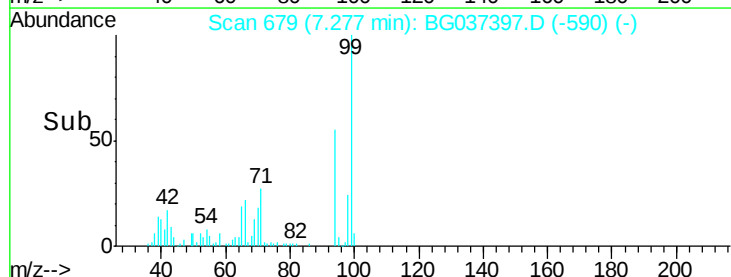
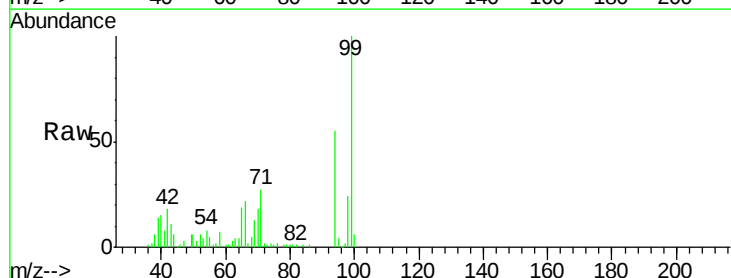
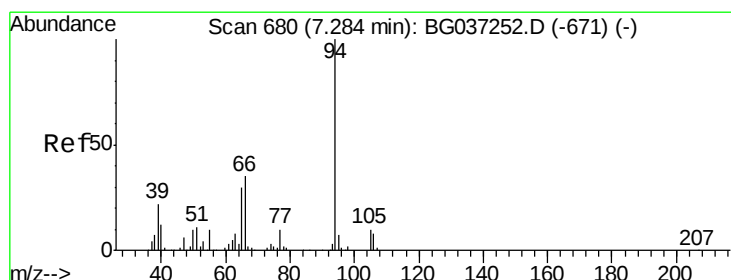
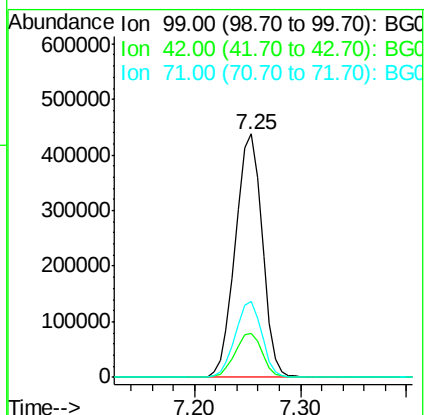
Tgt Ion: 99 Resp: 772106

Ion Ratio Lower Upper

99 100

42 17.9 15.0 22.4

71 31.4 25.5 38.3



#10

Phenol

Concen: 4.767 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

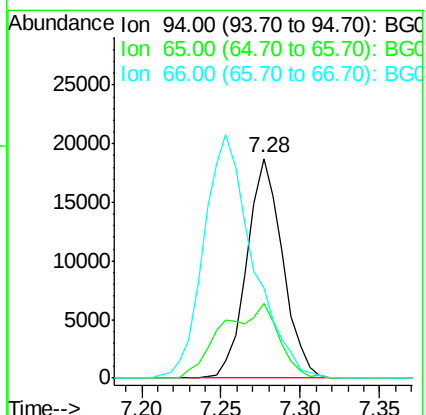
Tgt Ion: 94 Resp: 29466

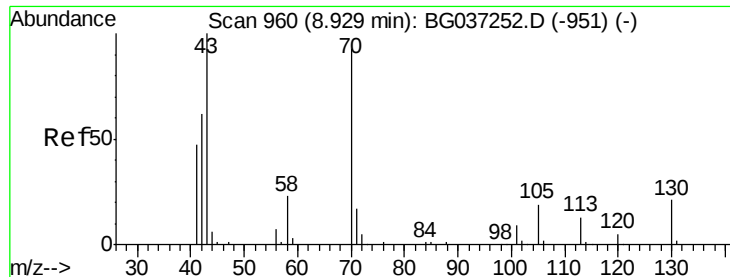
Ion Ratio Lower Upper

94 100

65 34.2 9.7 49.7

66 40.8 15.9 55.9





#19

n-Nitroso-di-n-propylamine

Concen: 12.928 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA\_G

ClientSampleId :

SB12-6-8FT

Tgt Ion: 70 Resp: 57439

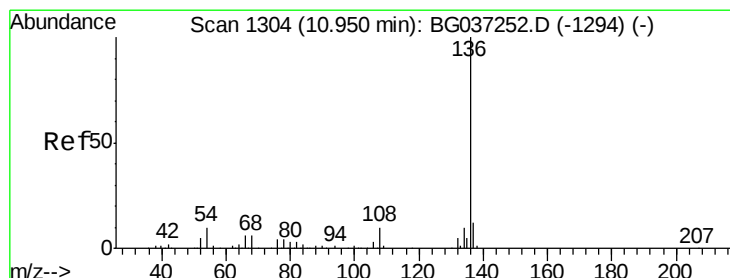
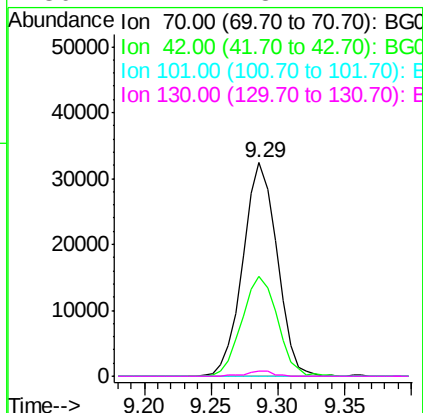
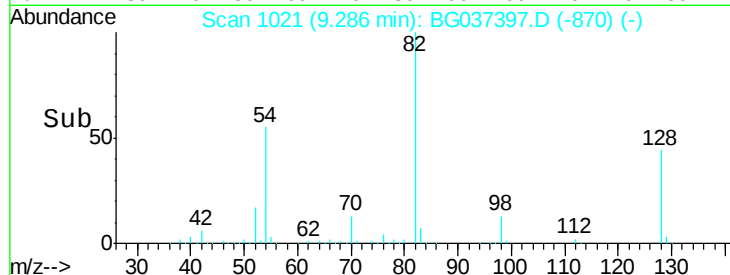
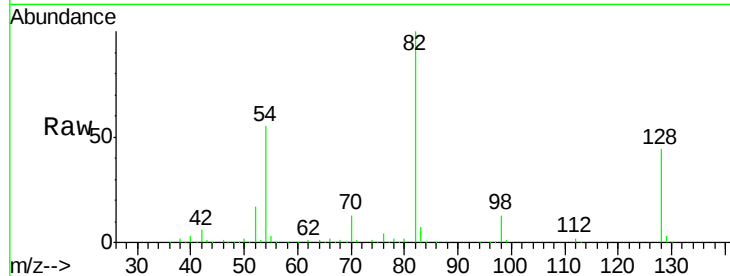
Ion Ratio Lower Upper

70 100

42 46.6 53.9 80.9#

101 0.0 8.2 12.2#

130 2.2 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Tgt Ion: 136 Resp: 295496

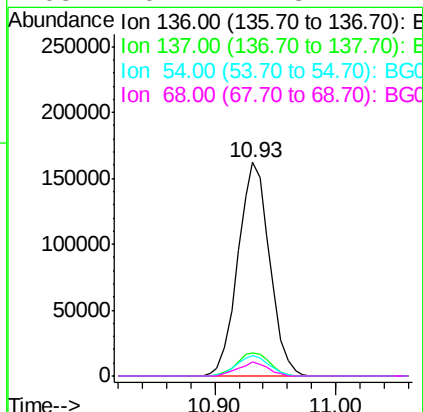
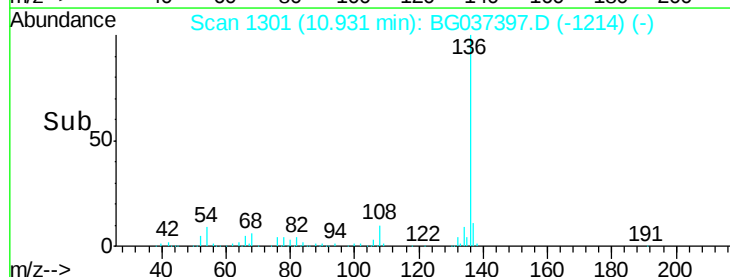
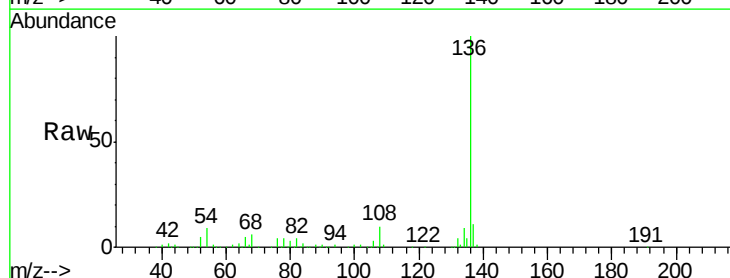
Ion Ratio Lower Upper

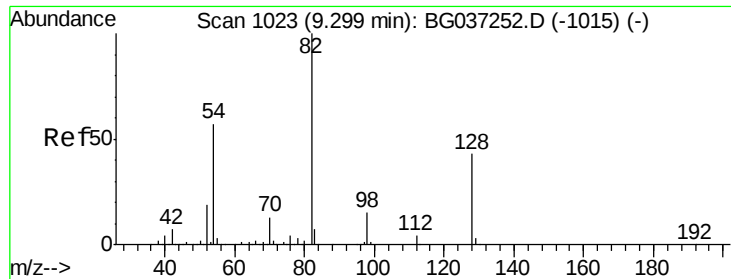
136 100

137 10.7 9.6 14.4

54 9.4 7.9 11.9

68 6.4 4.8 7.2

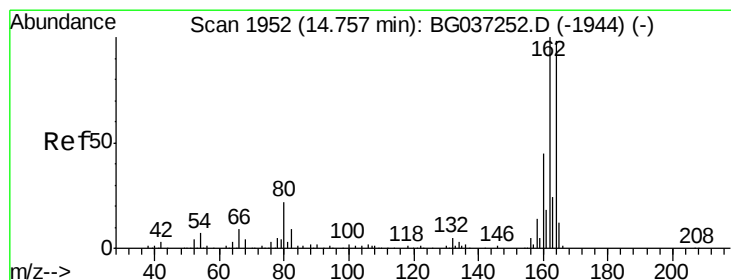
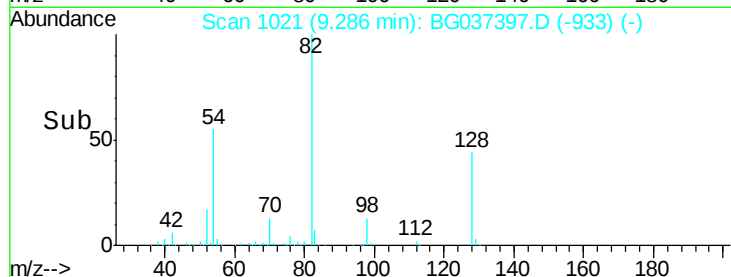
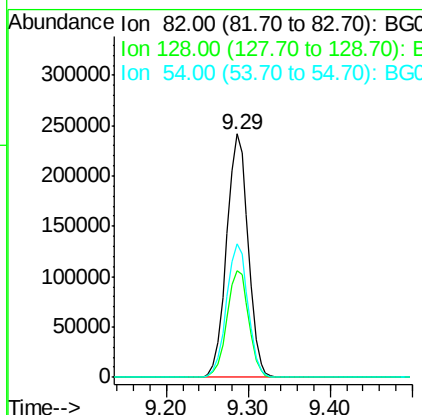
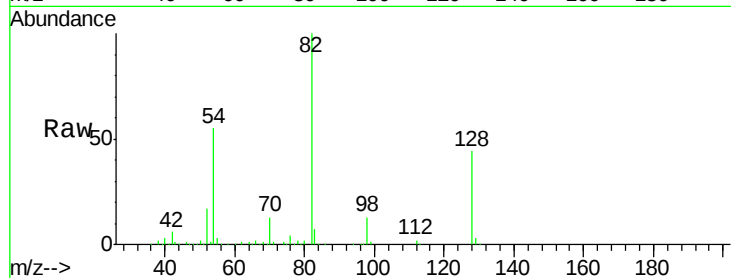




#23  
Nitrobenzene-d5  
Concen: 98.857 ng  
RT: 9.29 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

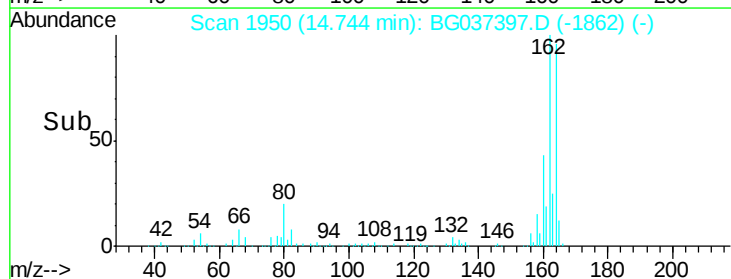
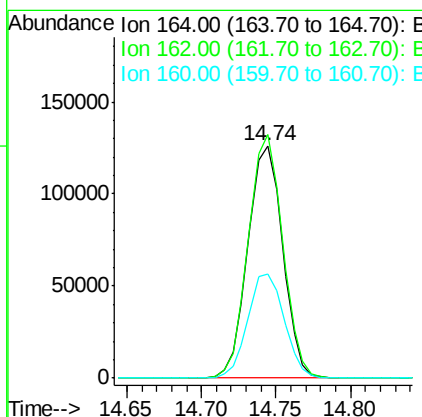
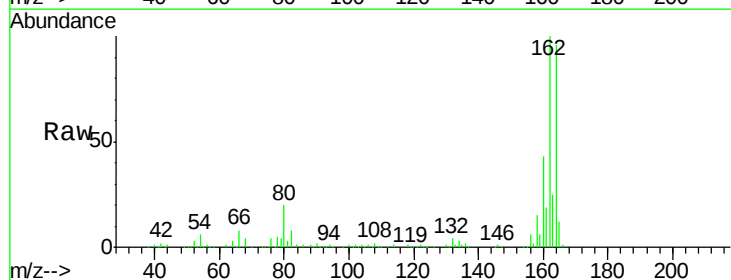
Instrument :  
BNA\_G  
ClientSampleId :  
SB12-6-8FT

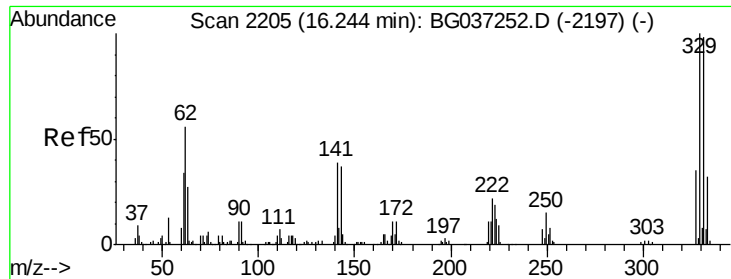
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.0  | 34.6  | 51.8  |
| 54      | 54.7  | 45.3  | 67.9  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.74 min Scan# 1950  
Delta R.T. -0.01 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.7 | 81.3  | 121.9 |
| 160     | 44.9  | 36.3  | 54.5  |

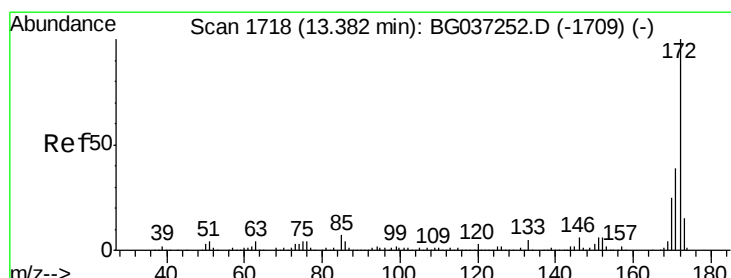
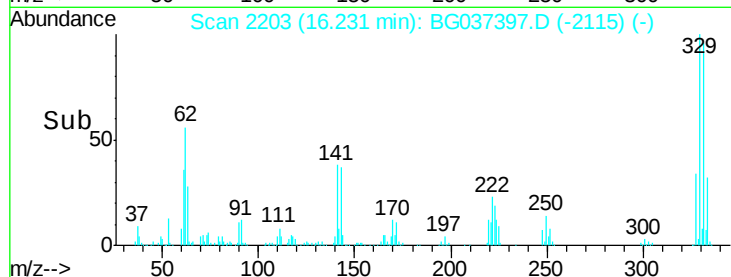
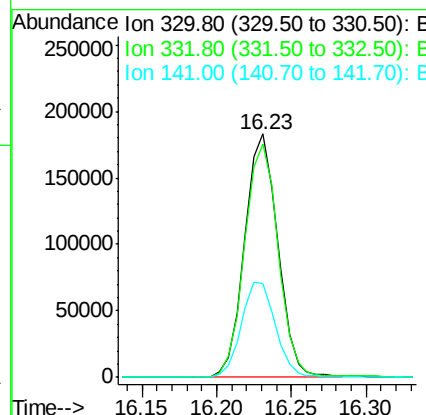
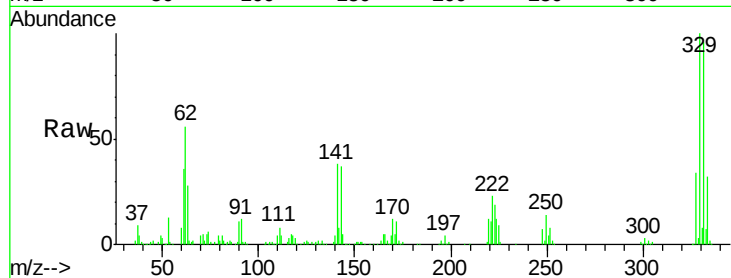




#42  
 2,4,6-Tribromophenol  
 Concen: 141.580 ng  
 RT: 16.23 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG037397.D  
 Acq: 17 Oct 2018 19:28

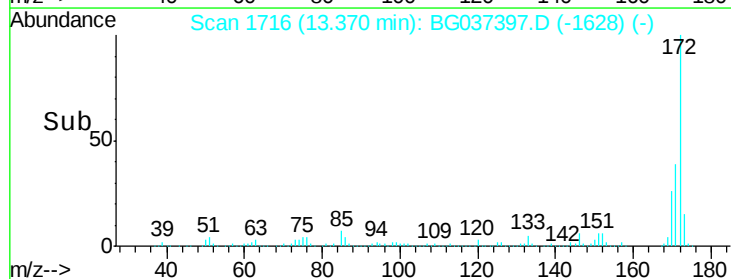
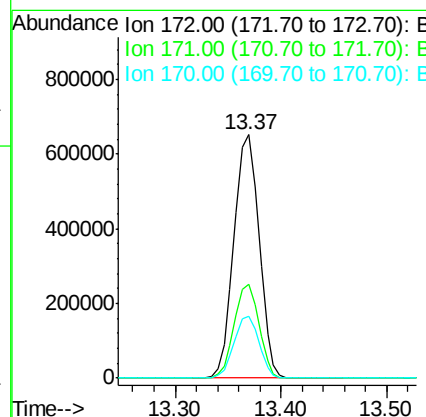
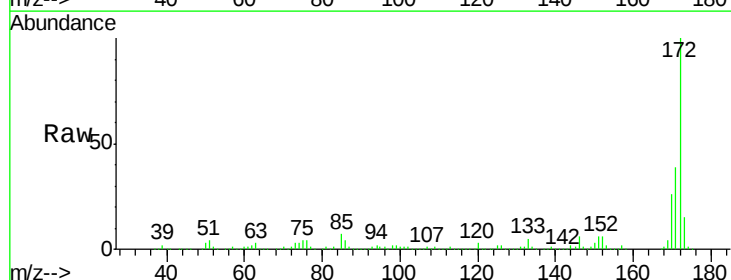
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB12-6-8FT

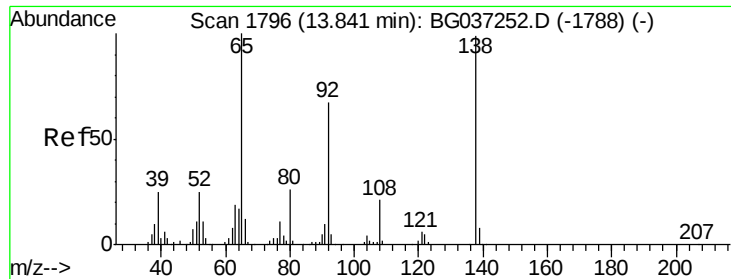
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 78.4  | 117.6 |
| 141     | 40.7  | 32.2  | 48.2  |



#45  
 2-Fluorobiphenyl  
 Concen: 79.424 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG037397.D  
 Acq: 17 Oct 2018 19:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 31.0  | 46.4  |
| 170     | 25.6  | 20.2  | 30.2  |





#48

2-Nitroaniline

Concen: 6.054 ng

RT: 14.18 min Scan# 1854

Delta R.T. 0.34 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA\_G

ClientSampleId :

SB12-6-8FT

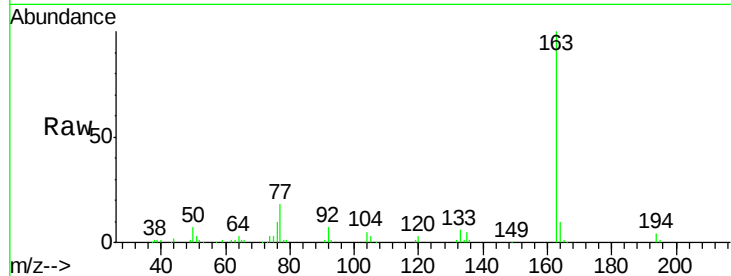
Tgt Ion: 65 Resp: 1163

Ion Ratio Lower Upper

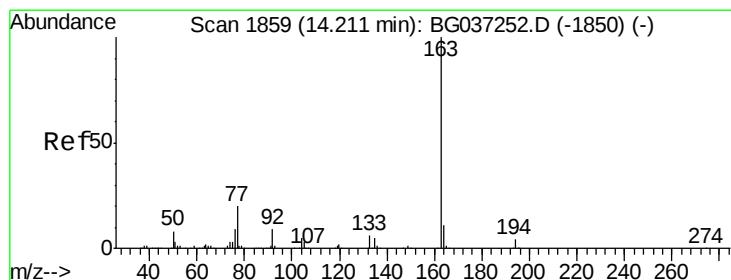
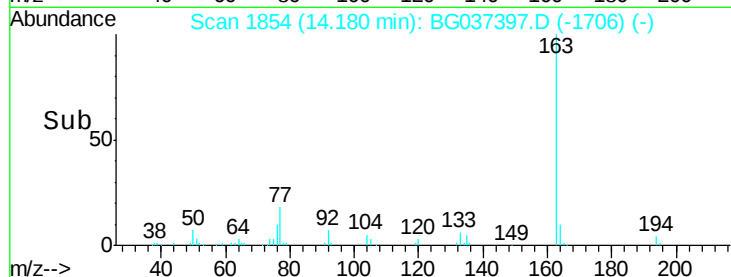
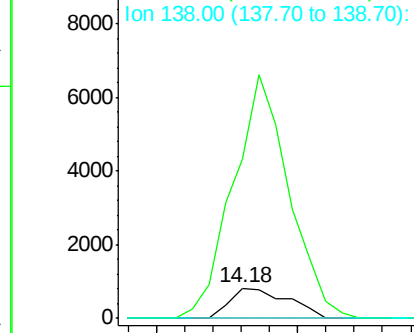
65 100

92 529.4 53.2 79.8#

138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 7.308 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

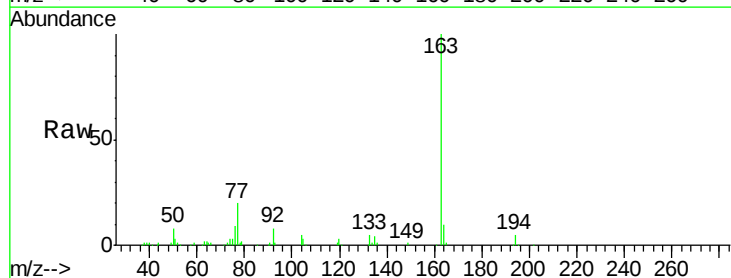
Tgt Ion:163 Resp: 116876

Ion Ratio Lower Upper

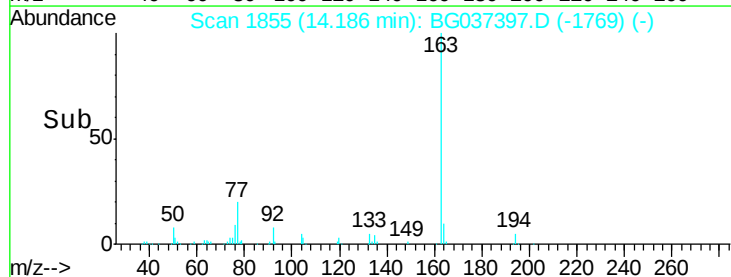
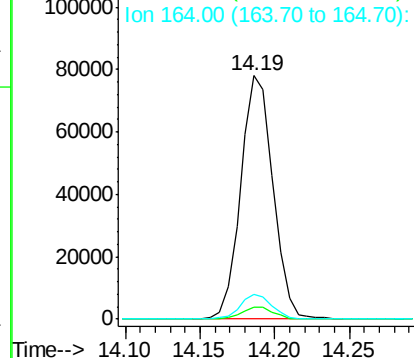
163 100

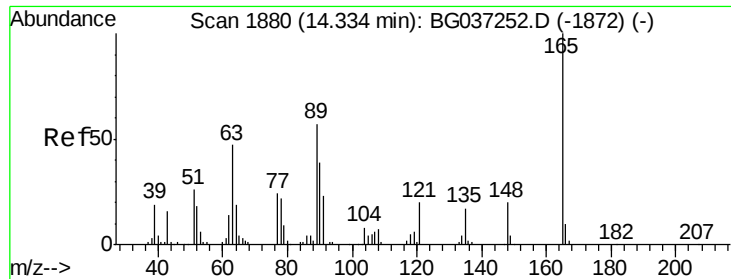
194 4.7 3.5 5.3

164 10.4 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

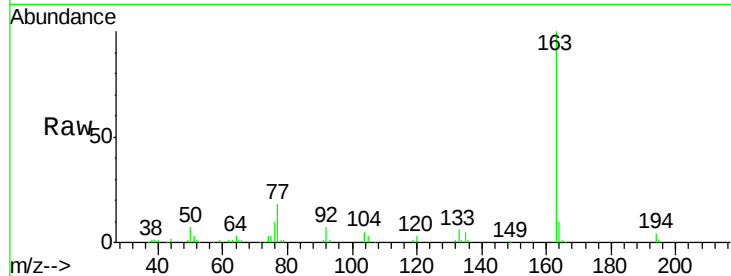




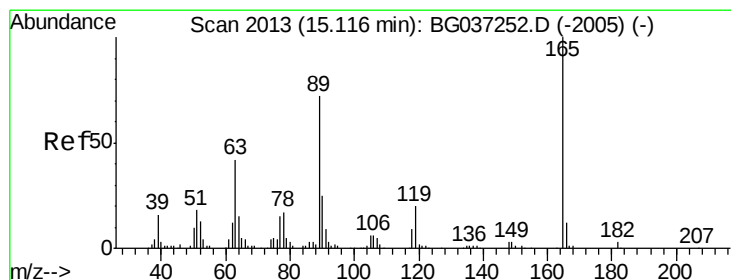
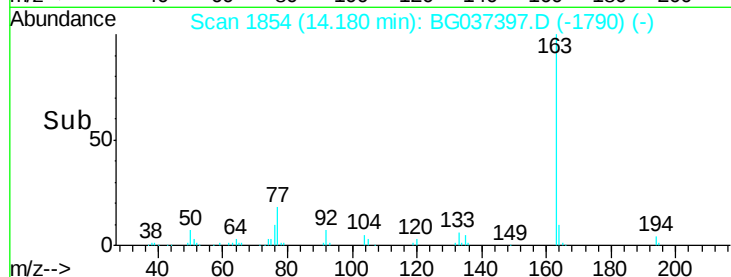
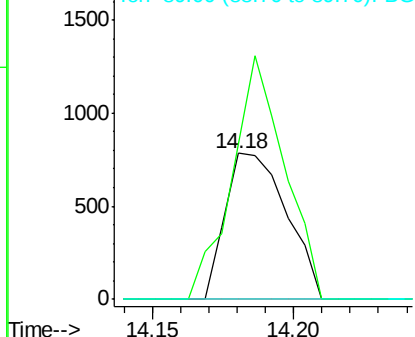
#51  
 2,6-Dinitrotoluene  
 Concen: 5.151 ng  
 RT: 14.18 min Scan# 1854  
 Delta R.T. -0.15 min  
 Lab File: BG037397.D  
 Acq: 17 Oct 2018 19:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB12-6-8FT

Tgt Ion:165 Resp: 1175  
 Ion Ratio Lower Upper  
 165 100  
 63 106.5 43.4 65.2#  
 89 0.0 45.8 68.6#

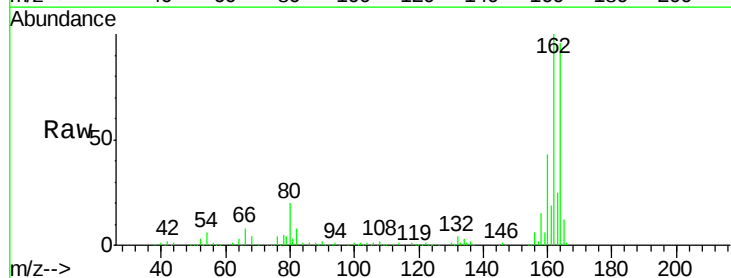


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

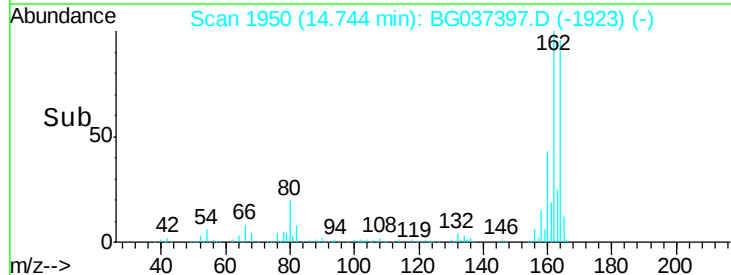
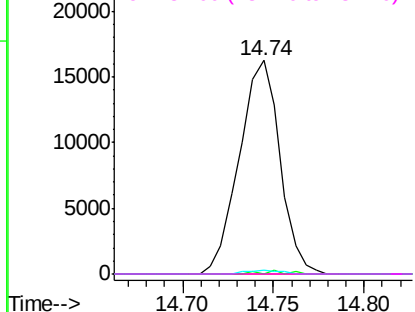


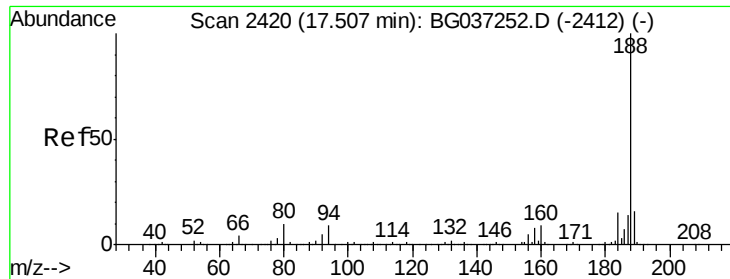
#57  
 2,4-Dinitrotoluene  
 Concen: 11.050 ng  
 RT: 14.74 min Scan# 1950  
 Delta R.T. -0.37 min  
 Lab File: BG037397.D  
 Acq: 17 Oct 2018 19:28

Tgt Ion:165 Resp: 25292  
 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  
 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: 17.49 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA\_G

ClientSampleId :

SB12-6-8FT

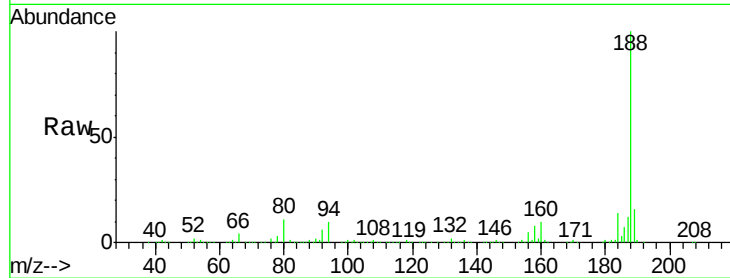
Tgt Ion:188 Resp: 498571

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

80 10.6 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

17.49

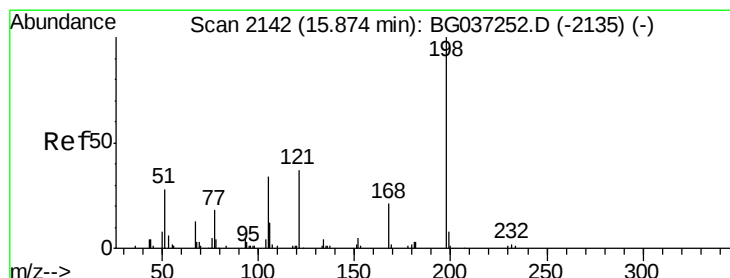
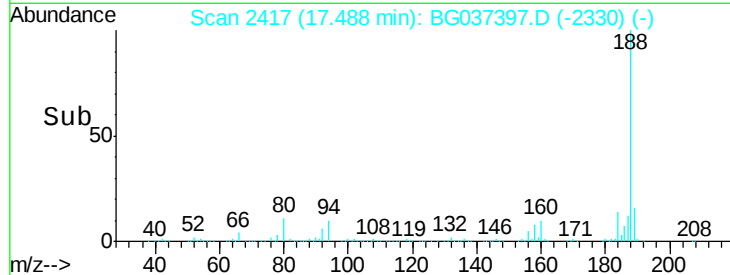
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.574 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.35 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

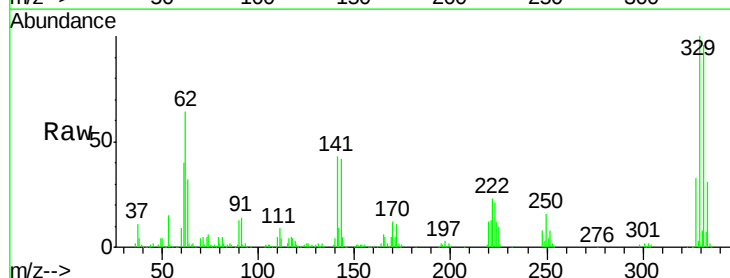
Tgt Ion:198 Resp: 1119

Ion Ratio Lower Upper

198 100

51 19.7 22.7 62.7#

105 39.6 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

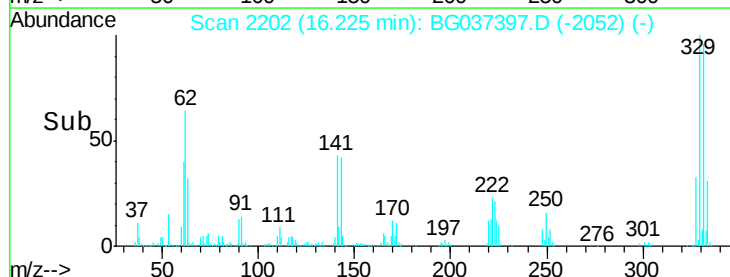
1500

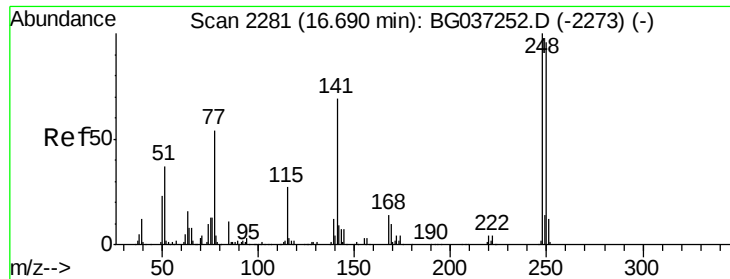
1000

500

0

Time-->

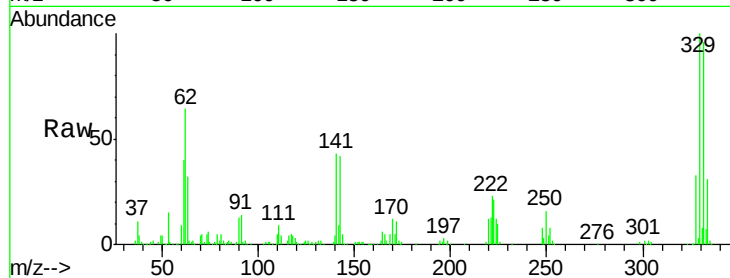




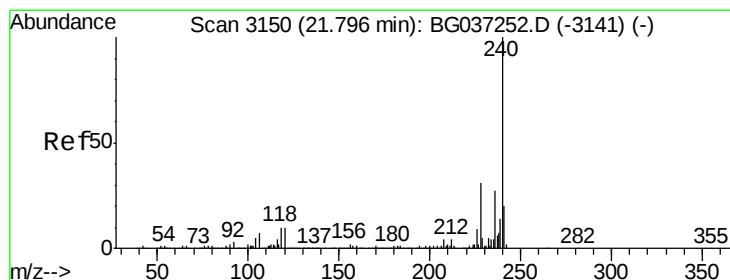
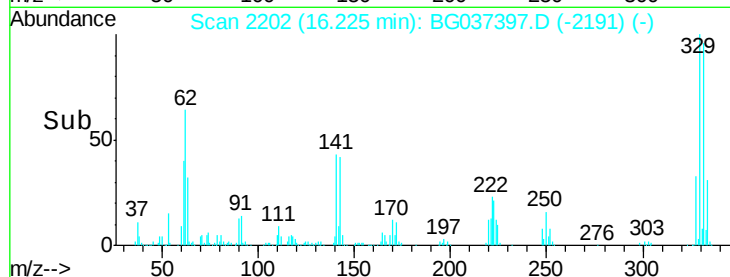
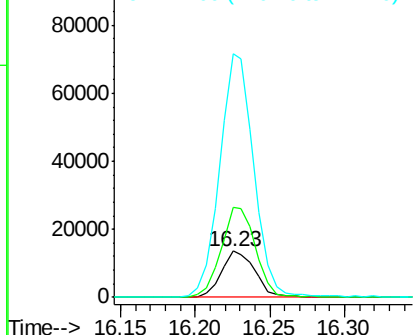
#67  
4-Bromophenyl-phenylether  
Concen: 3.948 ng  
RT: 16.23 min Scan# 2202  
Delta R.T. -0.47 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB12-6-8FT

Tgt Ion:248 Resp: 21244  
Ion Ratio Lower Upper  
248 100  
250 187.2 77.0 115.6#  
141 397.1 55.5 83.3#

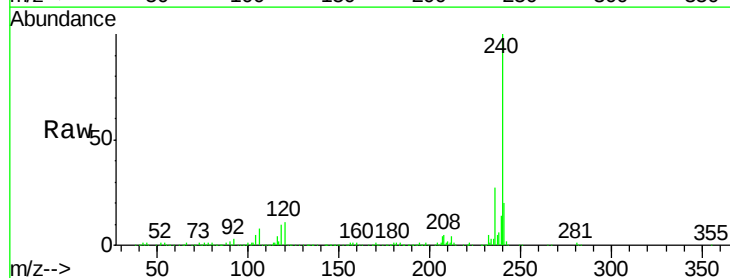


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

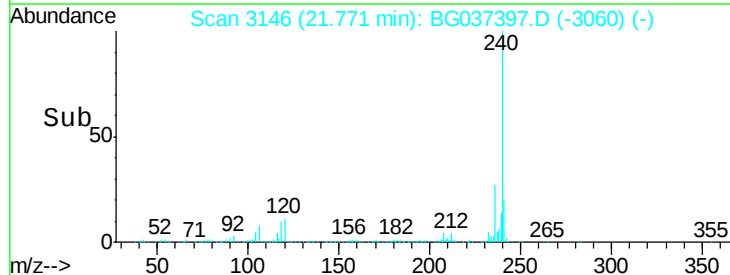
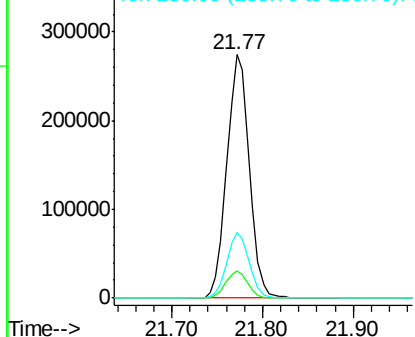


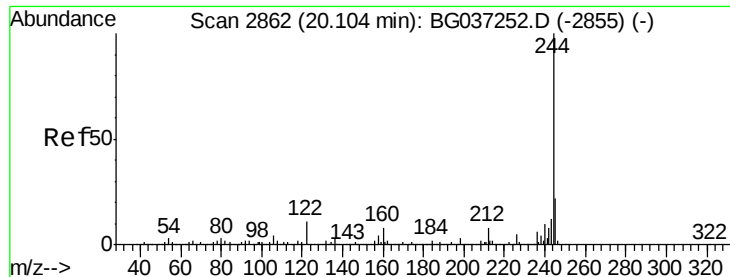
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3146  
Delta R.T. -0.02 min  
Lab File: BG037397.D  
Acq: 17 Oct 2018 19:28

Tgt Ion:240 Resp: 472952  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.1 12.1  
236 27.1 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: 73.804 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA\_G

ClientSampleId :

SB12-6-8FT

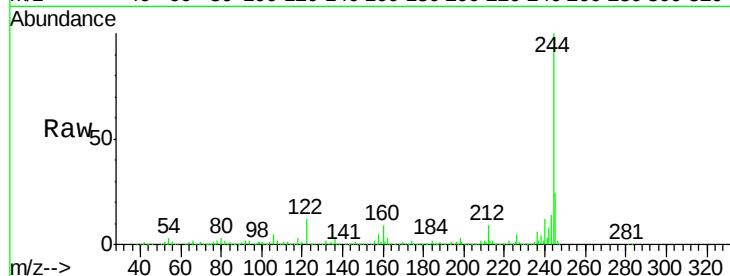
Tgt Ion:244 Resp: 1662366

Ion Ratio Lower Upper

244 100

212 9.3 6.5 9.7

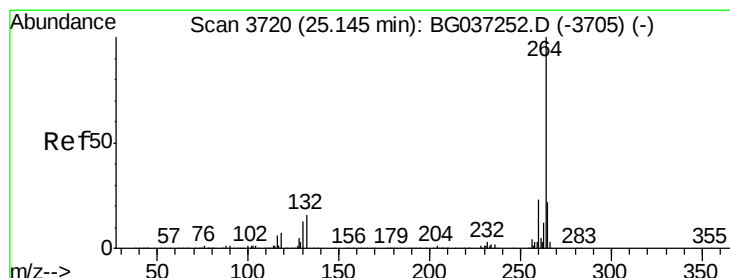
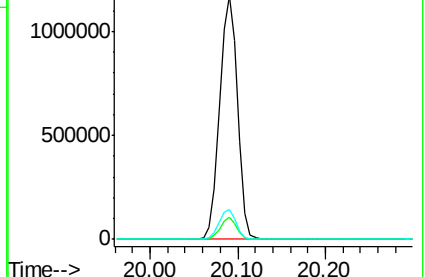
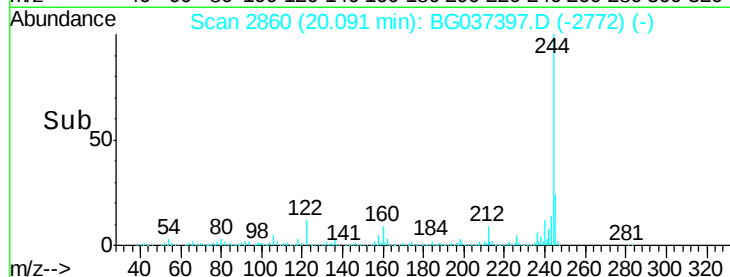
122 12.3 9.0 13.4



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# 3715

Delta R.T. -0.03 min

Lab File: BG037397.D

Acq: 17 Oct 2018 19:28

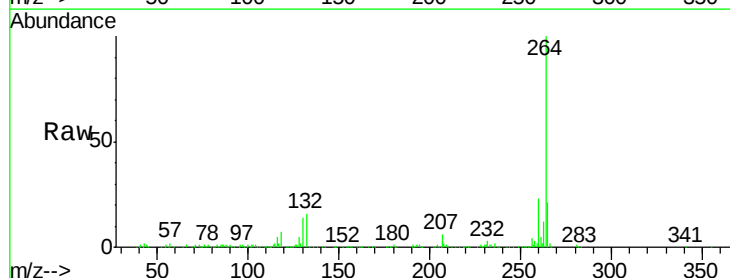
Tgt Ion:264 Resp: 482233

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 21.5 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

