

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\  
 Data File : BG033786.D  
 Acq On : 12 Apr 2018 23:42  
 Operator : SJ/JU  
 Sample : J2335-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 13 02:24:27 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

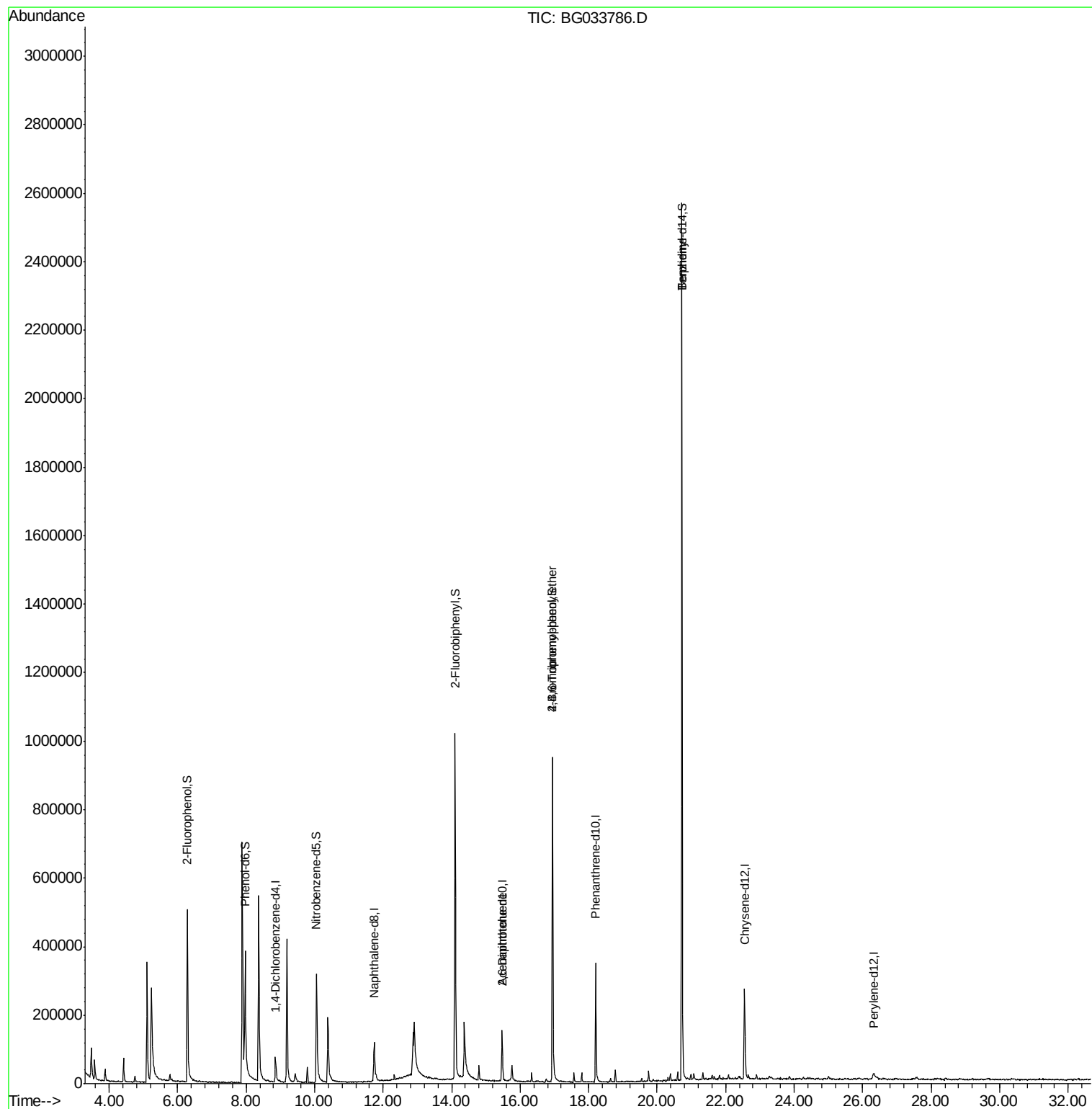
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.86  | 152  | 26310    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.74 | 136  | 118608   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 15.47 | 164  | 45755    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 18.20 | 188  | 234151   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 22.55 | 240  | 162397   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 26.31 | 264  | 18633    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 6.28  | 112  | 241875   | 172.38 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.97  | 99   | 224417   | 93.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 10.05 | 82   | 263959   | 102.25 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.94 | 330  | 185465   | 271.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 14.10 | 172  | 570598   | 180.03 | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.72 | 244  | 1251616  | 164.83 | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 50) 2,6-Dinitrotoluene        | 15.48 | 165  | 6007     | 7.378  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether | 16.94 | 248  | 13620    | 4.953  | ng    | # 1      |
| 76) Benzidine                 | 20.72 | 184  | 21504    | 4.883  | ng    | 95       |

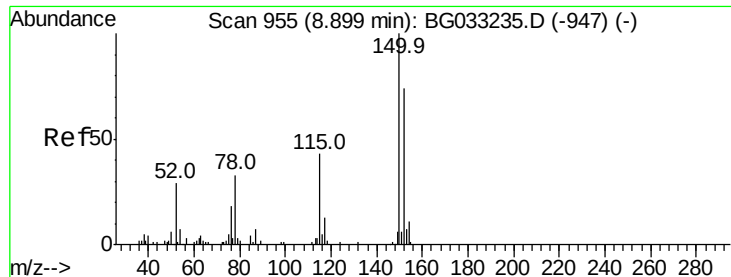
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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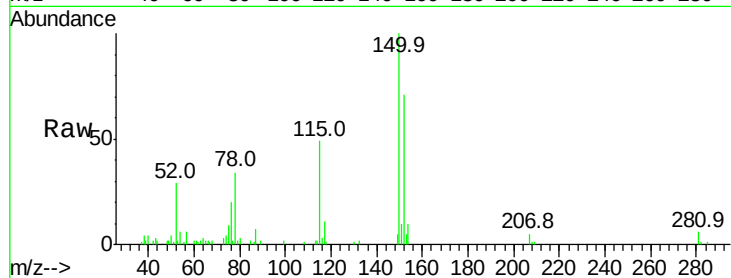


#1

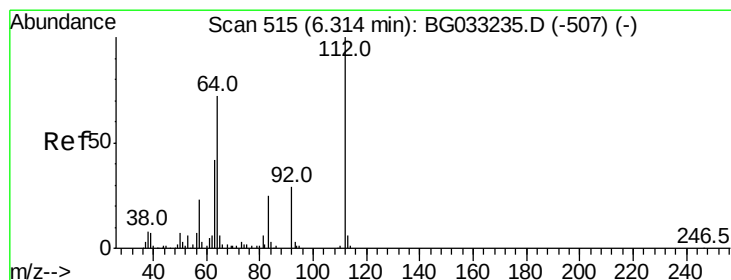
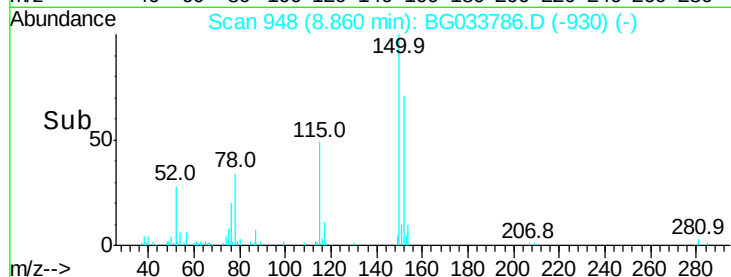
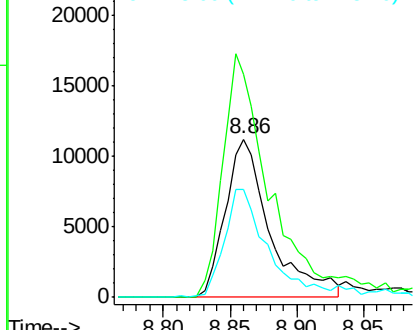
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: BG033786.D  
Acq: 12 Apr 2018 23:42

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 26310  
Ion Ratio Lower Upper  
152 100  
150 140.8 126.6 189.8  
115 68.3 53.0 79.4



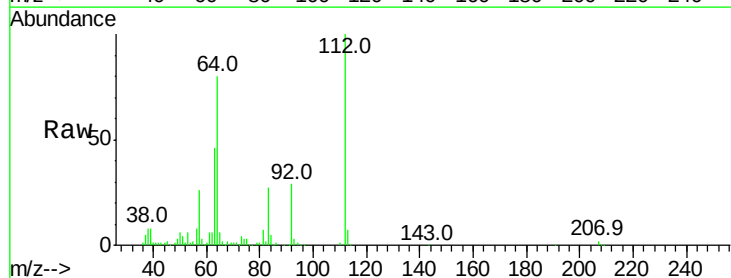
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



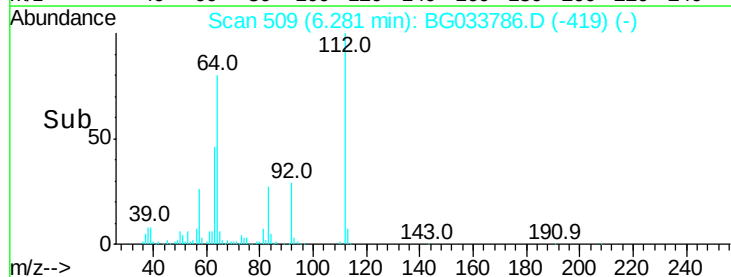
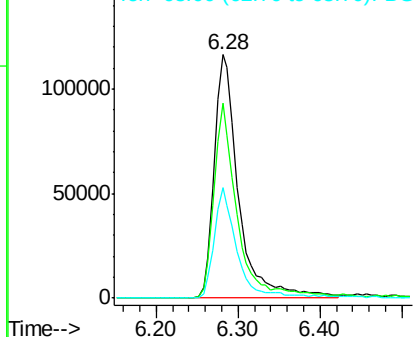
#5

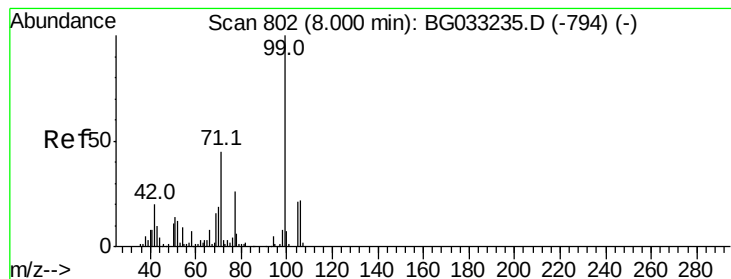
2-Fluorophenol  
Concen: 172.385 ng  
RT: 6.28 min Scan# 509  
Delta R.T. -0.00 min  
Lab File: BG033786.D  
Acq: 12 Apr 2018 23:42

Tgt Ion:112 Resp: 241875  
Ion Ratio Lower Upper  
112 100  
64 79.9 56.3 84.5  
63 45.5 30.1 45.1#



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: 93.087 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

Instrument :

BNA\_G

ClientSampleId :

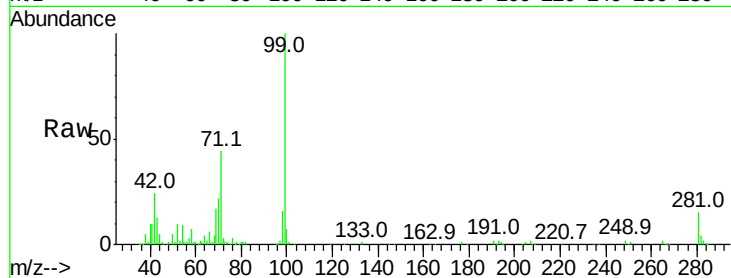
Tot Ion: 99 Resp: 224417

Ion Ratio Lower Upper

99 100

42 24.3 14.1 21.1#

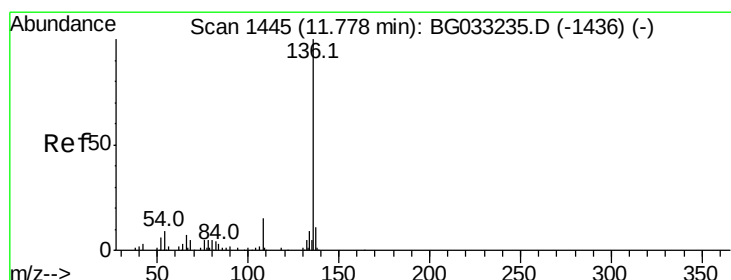
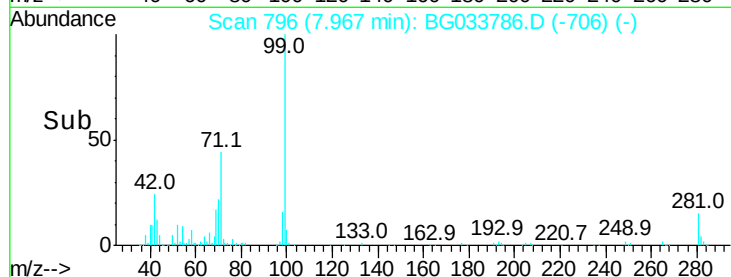
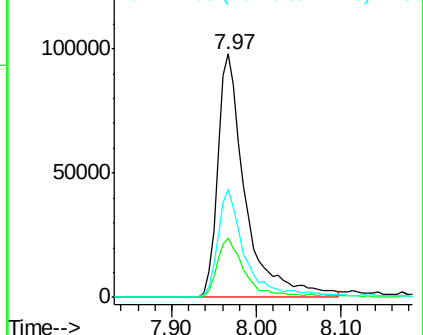
71 44.3 26.1 39.1#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

Tgt Ion: 136 Resp: 118608

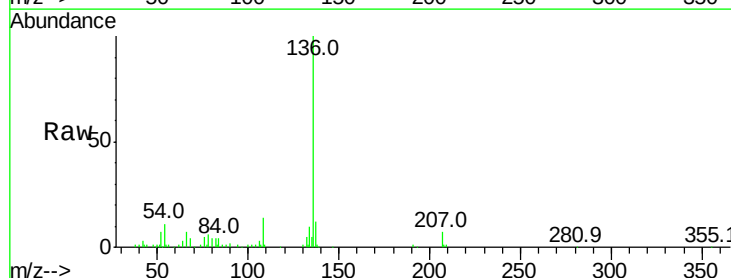
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 10.9 10.3 15.5

68 4.3 4.5 6.7#

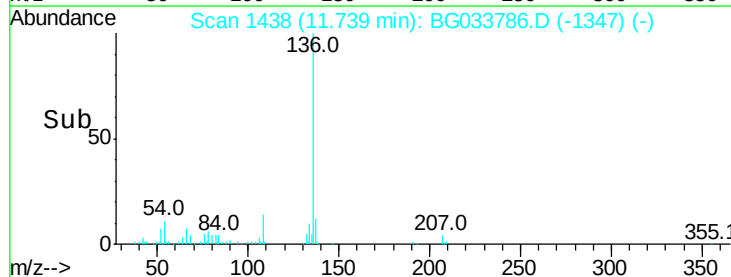
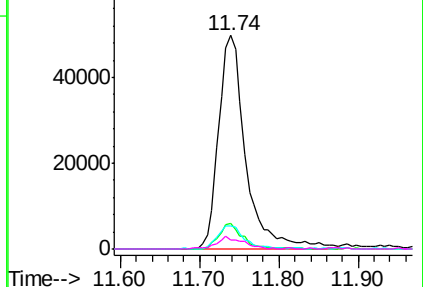


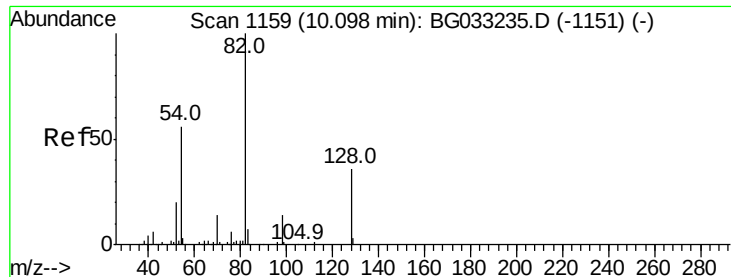
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 102.247 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

Instrument :

BNA\_G

ClientSampled :

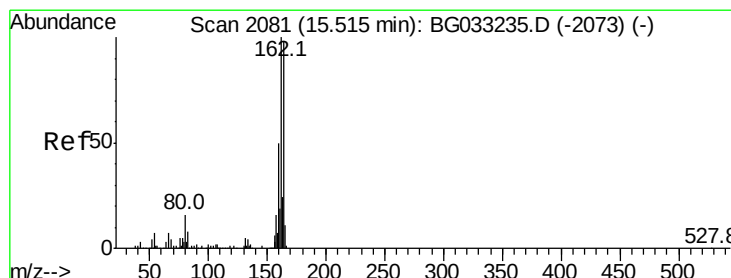
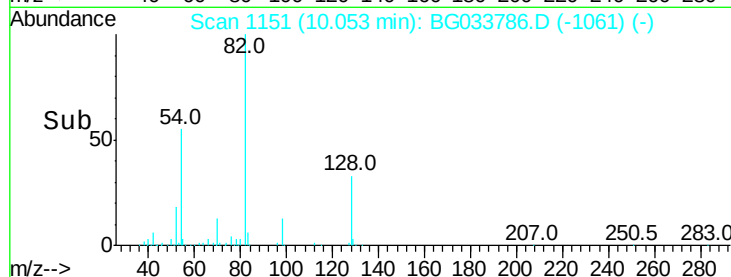
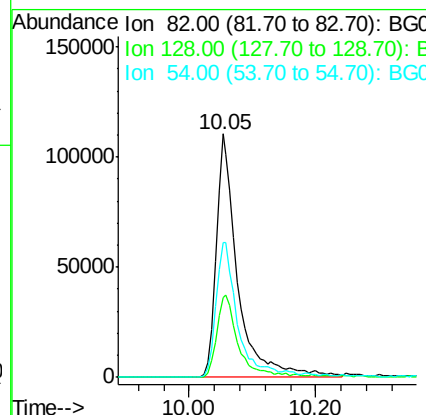
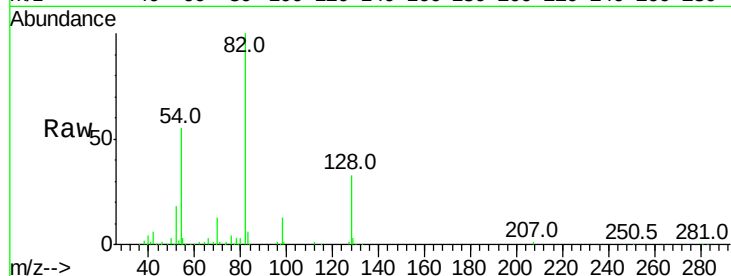
Tot Ion: 82 Resp: 263959

Ion Ratio Lower Upper

82 100

128 32.6 29.7 44.5

54 55.4 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

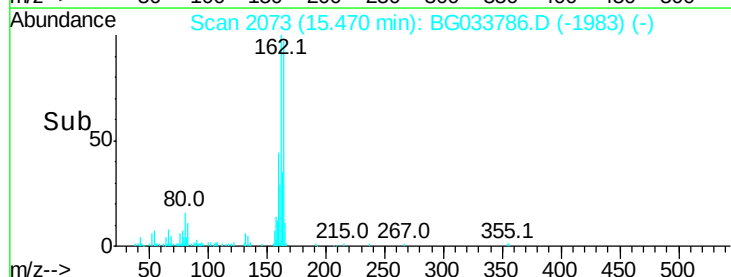
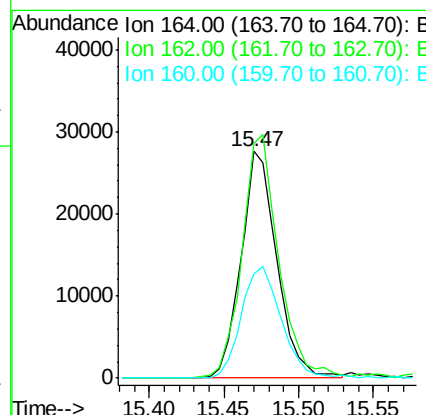
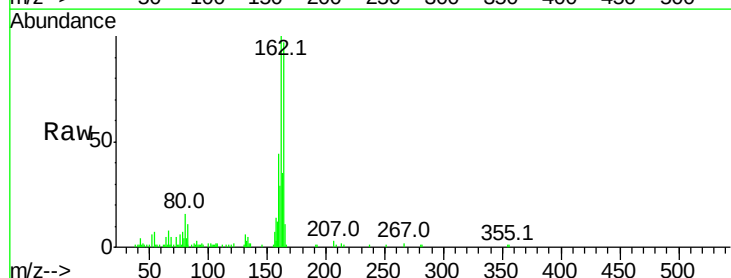
Tgt Ion: 164 Resp: 45755

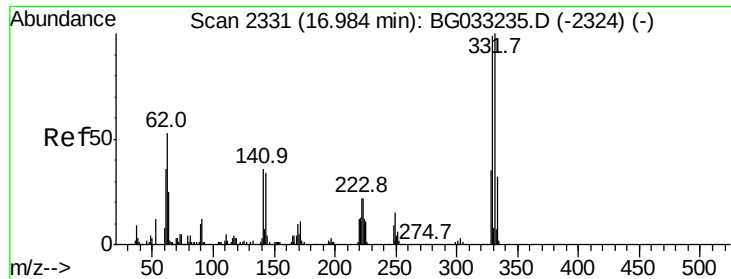
Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

160 45.7 35.4 53.0

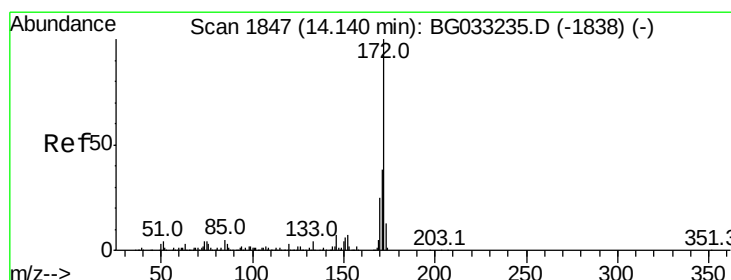
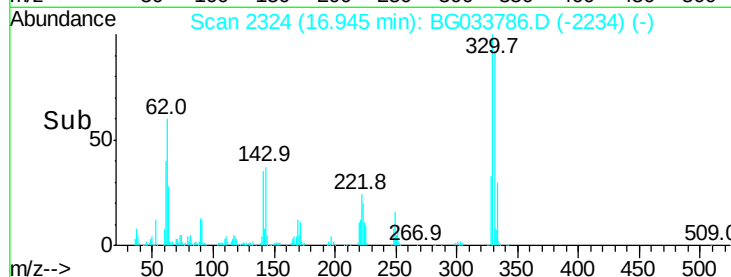
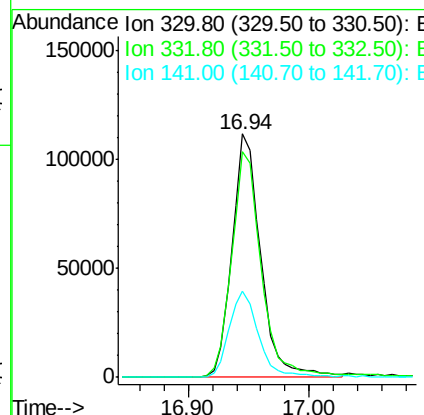
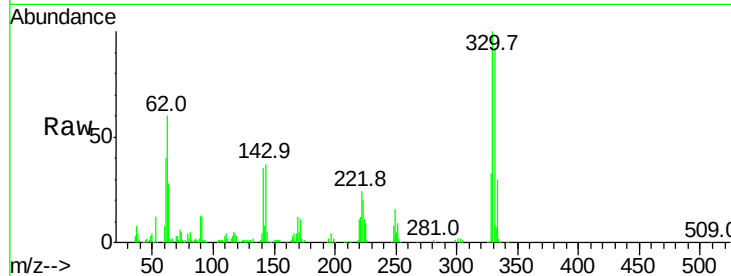




#41  
 2,4,6-Tribromophenol  
 Concen: 271.021 ng  
 RT: 16.94 min Scan# 2324  
 Delta R.T. -0.00 min  
 Lab File: BG033786.D  
 Acq: 12 Apr 2018 23:42

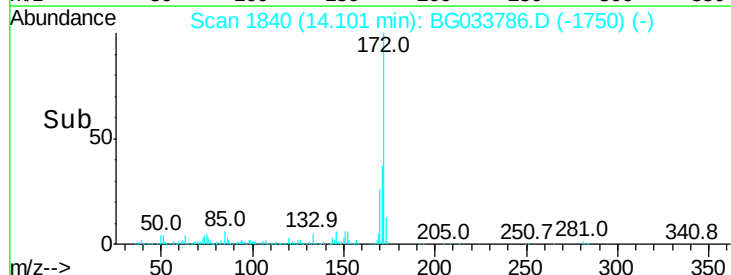
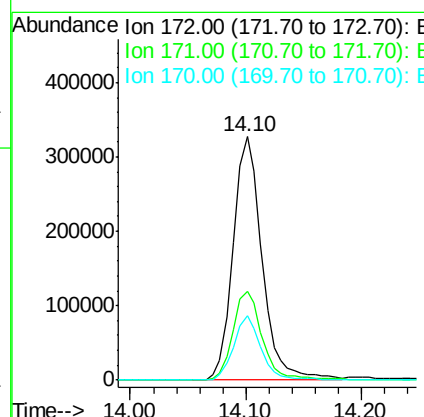
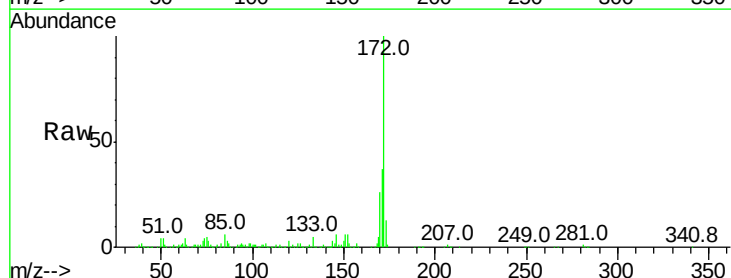
Instrument :  
 BNA\_G  
 ClientSampled :

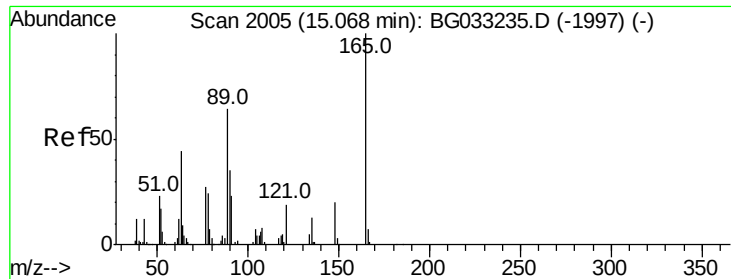
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 36.2  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 180.032 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG033786.D  
 Acq: 12 Apr 2018 23:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 30.0  | 45.0  |
| 170     | 26.4  | 19.5  | 29.3  |

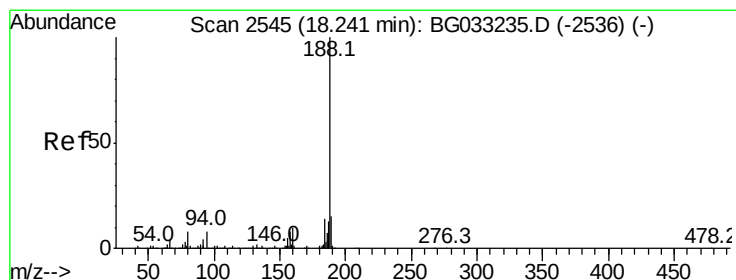
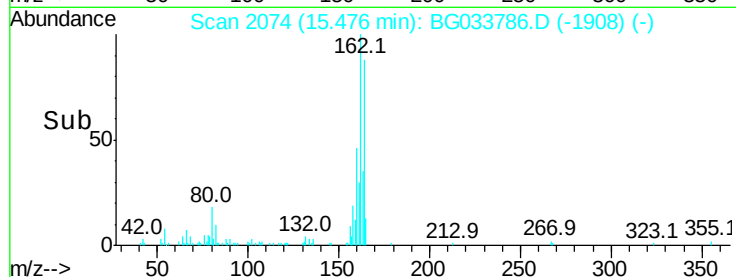
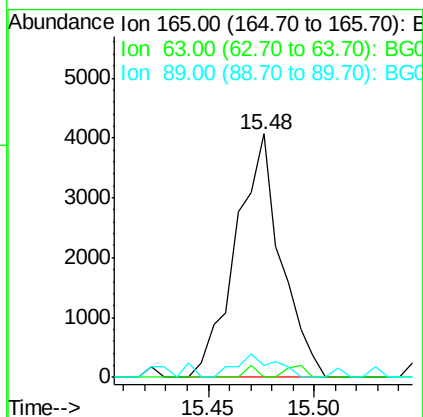
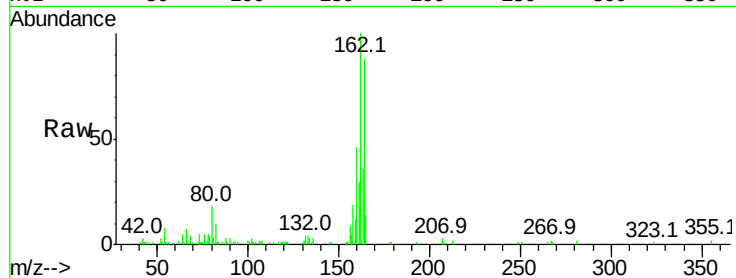




#50  
 2,6-Dinitrotoluene  
 Concen: 7.378 ng  
 RT: 15.48 min Scan# 2074  
 Delta R.T. 0.44 min  
 Lab File: BG033786.D  
 Acq: 12 Apr 2018 23:42

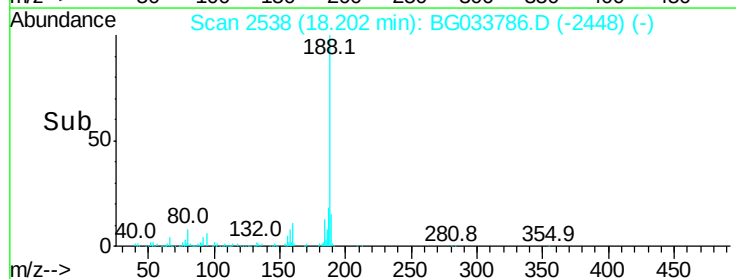
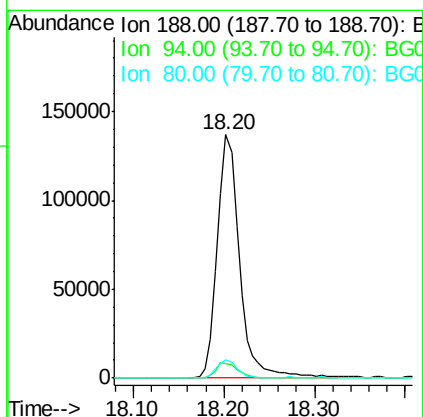
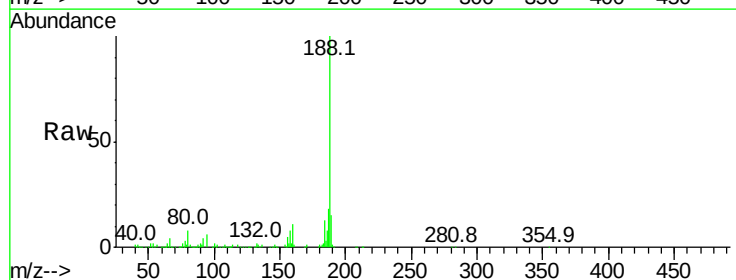
Instrument :  
 BNA\_G  
 ClientSampled :

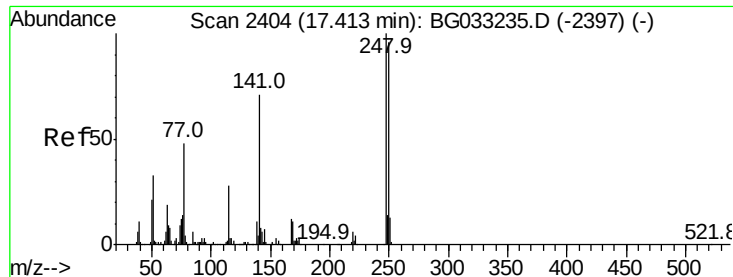
Tot Ion:165 Resp: 6007  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.7 79.1#  
 89 4.7 49.2 73.8#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.20 min Scan# 2538  
 Delta R.T. -0.00 min  
 Lab File: BG033786.D  
 Acq: 12 Apr 2018 23:42

Tgt Ion:188 Resp: 234151  
 Ion Ratio Lower Upper  
 188 100  
 94 6.1 6.9 10.3#  
 80 7.7 7.7 11.5

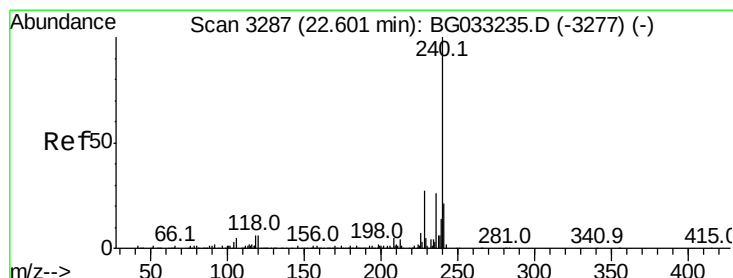
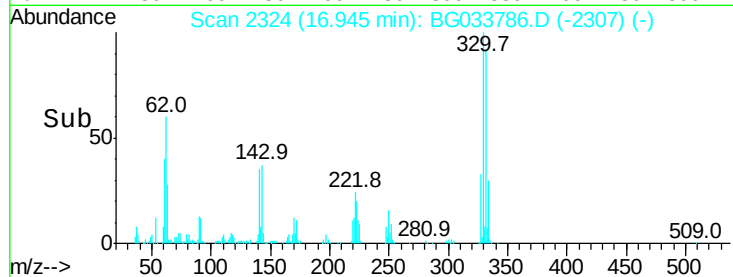
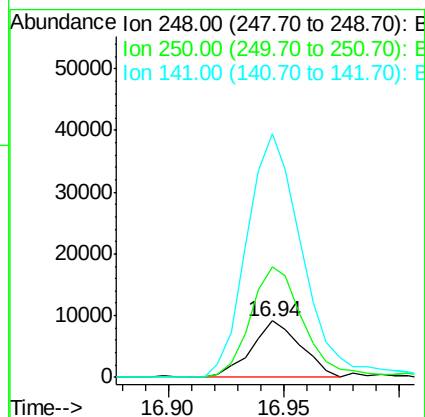
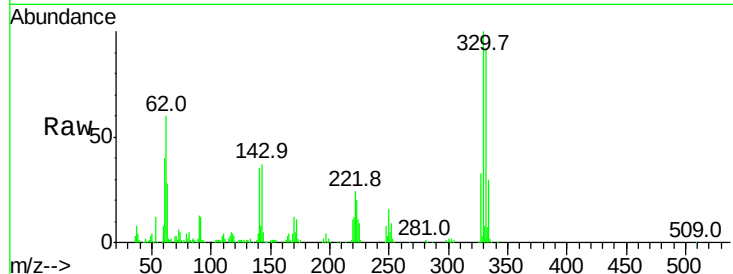




#66  
4-Bromophenyl-phenylether  
Concen: 4.953 ng  
RT: 16.94 min Scan# 2324  
Delta R.T. -0.43 min  
Lab File: BG033786.D  
Acq: 12 Apr 2018 23:42

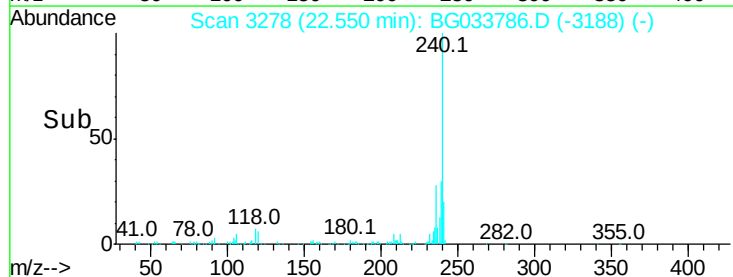
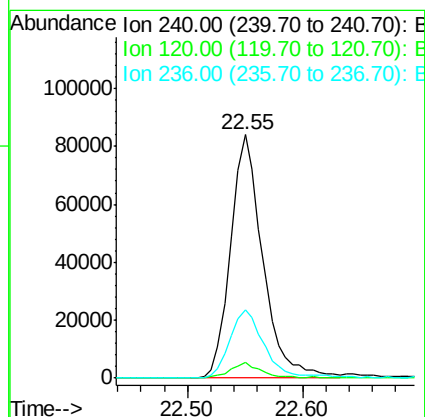
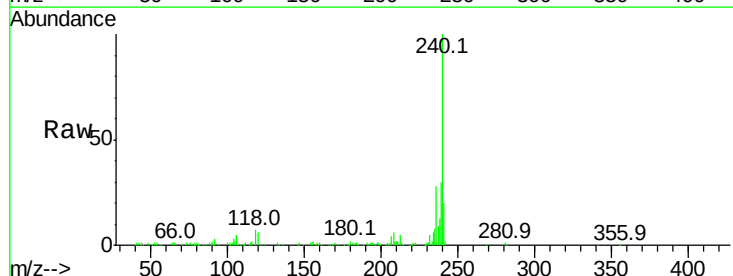
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 13620  
Ion Ratio Lower Upper  
248 100  
250 195.4 77.1 115.7#  
141 430.4 50.8 76.2#

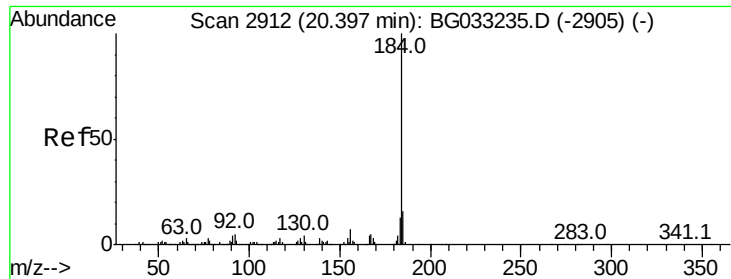


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3278  
Delta R.T. -0.00 min  
Lab File: BG033786.D  
Acq: 12 Apr 2018 23:42

Tgt Ion:240 Resp: 162397  
Ion Ratio Lower Upper  
240 100  
120 6.3 6.8 10.2#  
236 28.2 20.9 31.3







#76

Benzidine

Concen: 4.883 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

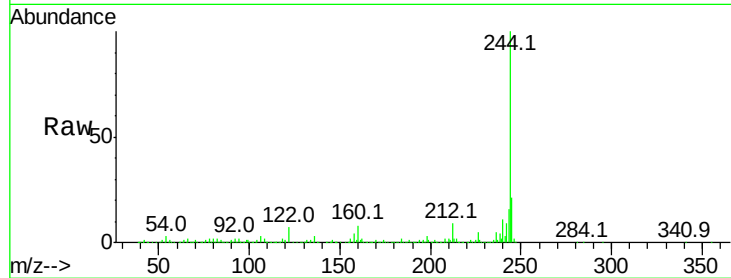
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:184 Resp: 21504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 15.2  | 11.1  | 16.7  |
| 183 | 10.8  | 10.6  | 16.0  |

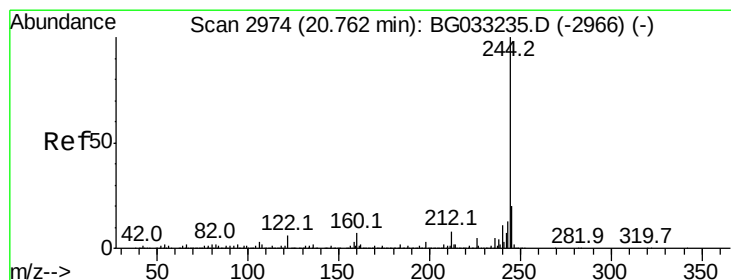
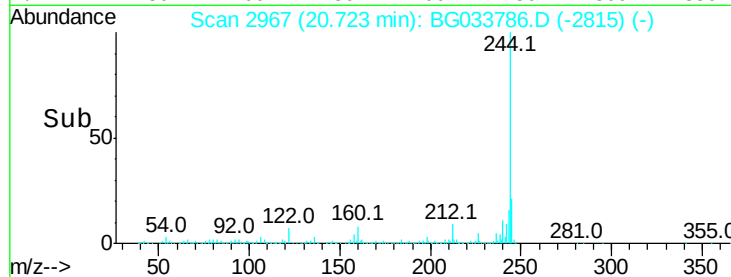
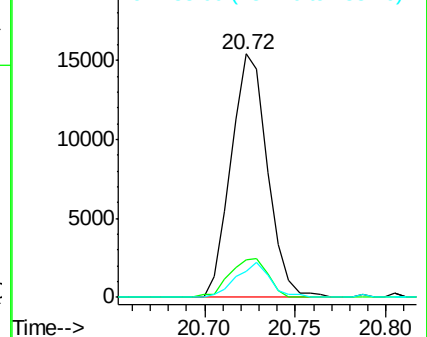


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 164.825 ng

RT: 20.72 min Scan# 2967

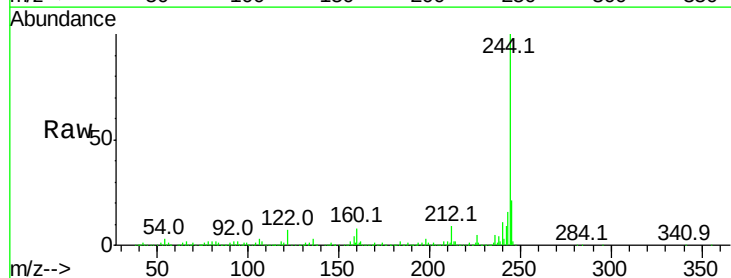
Delta R.T. -0.00 min

Lab File: BG033786.D

Acq: 12 Apr 2018 23:42

Tgt Ion:244 Resp: 1251616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 5.8   | 8.8   |
| 122 | 7.4   | 7.0   | 10.4  |

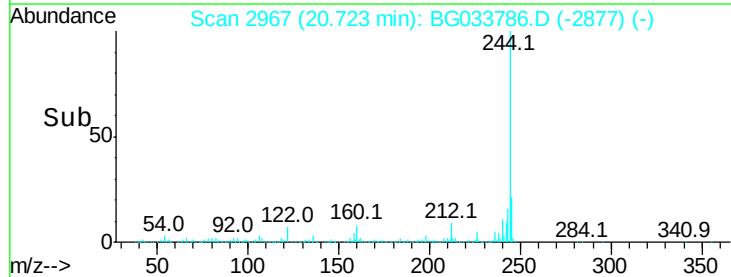
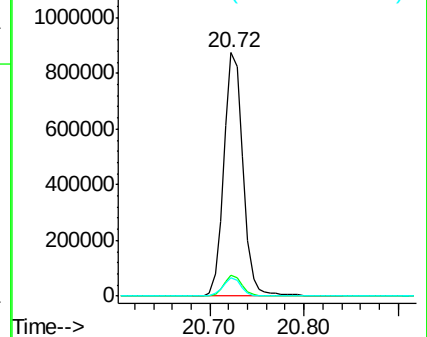


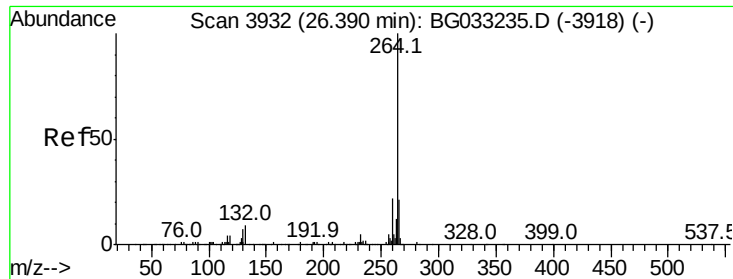
Abundance

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





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.31 min Scan# 3918  
 Delta R.T. 0.00 min  
 Lab File: BG033786.D  
 Acq: 12 Apr 2018 23:42

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.6  | 17.4  | 26.0# |
| 265     | 25.6  | 17.7  | 26.5  |

