

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\  
 Data File : BG033350.D  
 Acq On : 27 Mar 2018 4:02  
 Operator : SJ/JU  
 Sample : J1758-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 27 07:52:59 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 15:11:46 2018  
 Response via : Initial Calibration

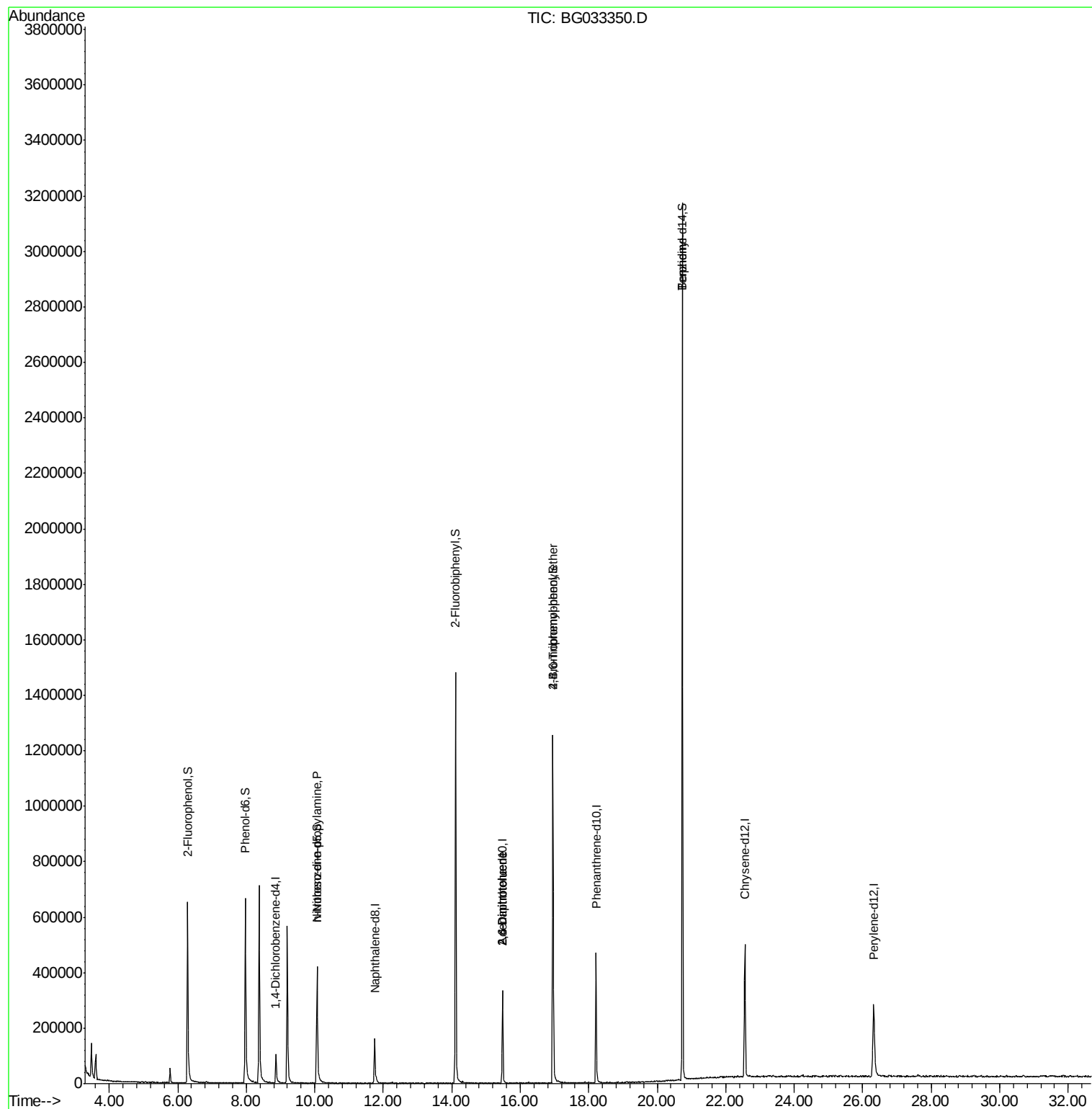
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.86  | 152  | 41634    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 11.75 | 136  | 163795   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 15.49 | 164  | 121325   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 18.21 | 188  | 339012   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 22.56 | 240  | 356250   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 26.32 | 264  | 376824   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.29  | 112  | 319265   | 143.79 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.97  | 99   | 489667   | 128.35 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 331190   | 92.90  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 261986   | 144.38 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 827743   | 98.49  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.73 | 244  | 1570963  | 94.31  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 10.07 | 70   | 43563    | 15.583 | ng    | # 73     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 15810    | 7.323  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 15811    | 4.974  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 19490    | 4.895  | ng    | # 1      |
| 76) Benzidine                  | 20.73 | 184  | 25503    | 2.640  | ng    | # 95     |

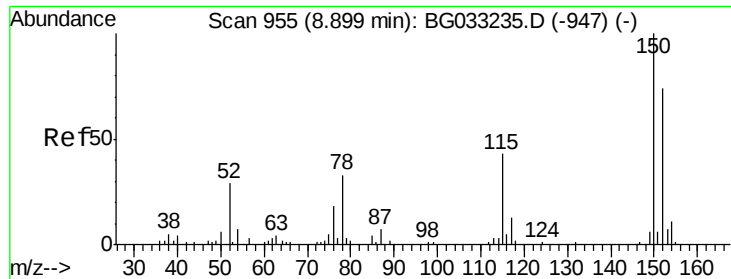
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
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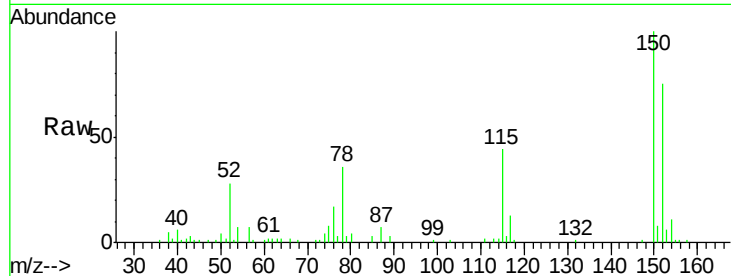


#1

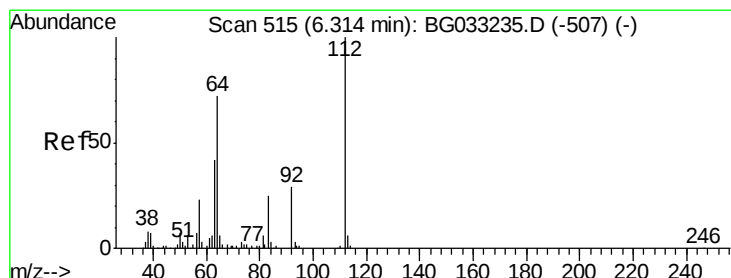
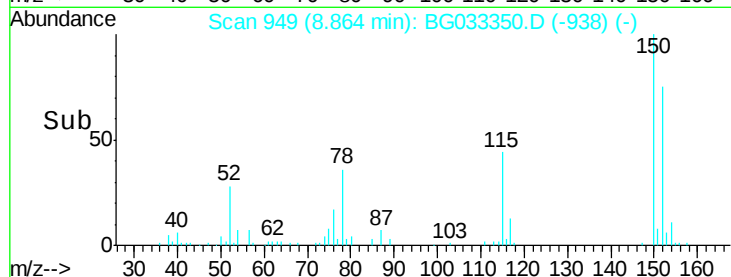
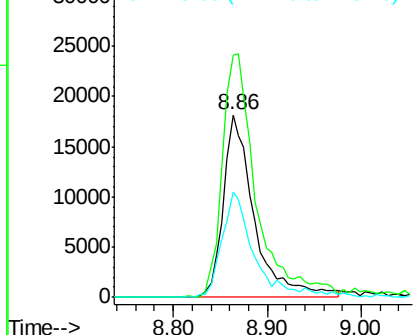
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. -0.03 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 41634  
Ion Ratio Lower Upper  
152 100  
150 132.5 126.6 189.8  
115 57.8 53.0 79.4



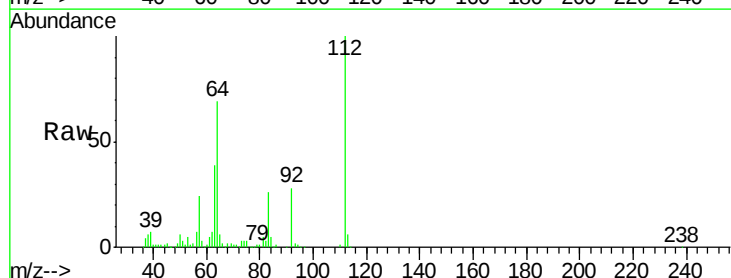
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



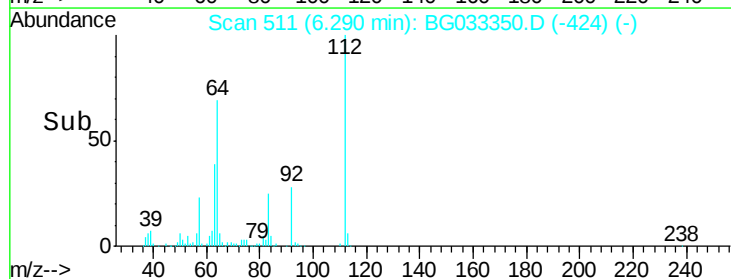
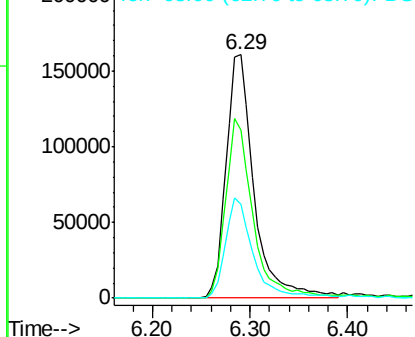
#5

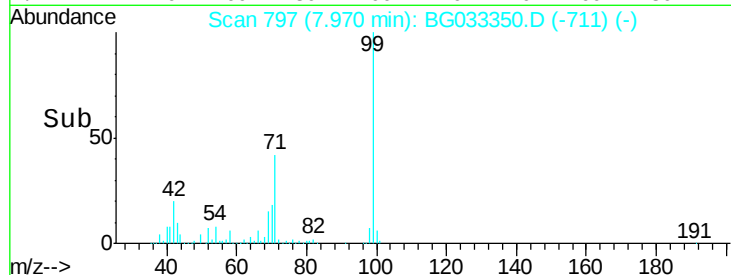
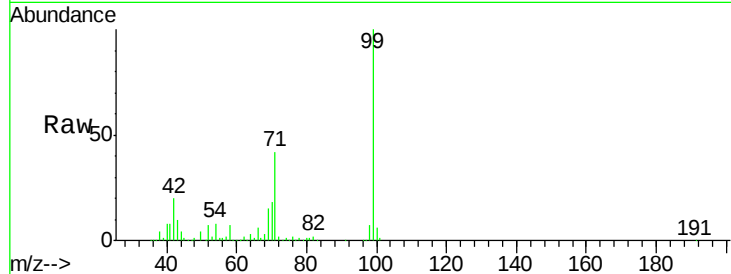
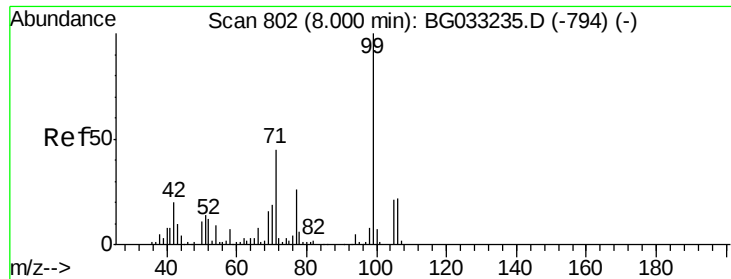
2-Fluorophenol  
Concen: 143.791 ng  
RT: 6.29 min Scan# 511  
Delta R.T. -0.02 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

Tgt Ion:112 Resp: 319265  
Ion Ratio Lower Upper  
112 100  
64 68.9 56.3 84.5  
63 38.7 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: 128.353 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033350.D

Acq: 27 Mar 2018 4:02

Instrument :

BNA\_G

ClientSampleId :

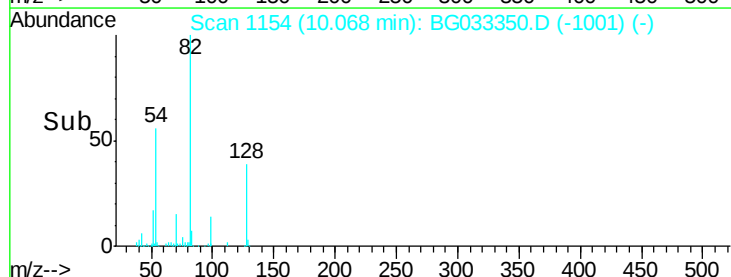
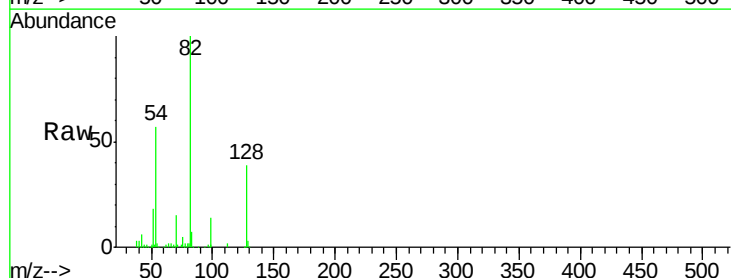
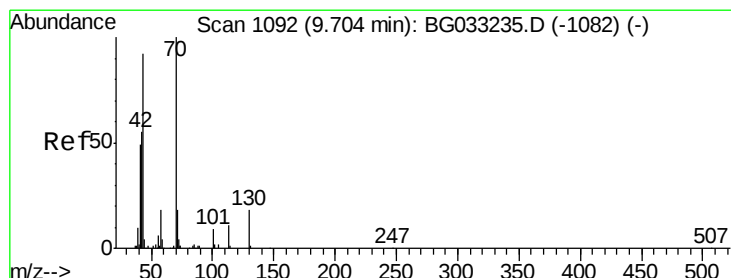
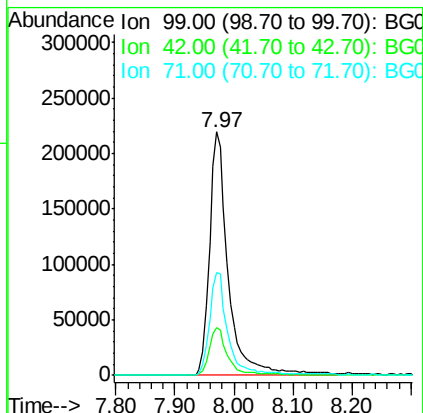
Tot Ion: 99 Resp: 489667

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

71 42.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.583 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033350.D

Acq: 27 Mar 2018 4:02

Tgt Ion: 70 Resp: 43563

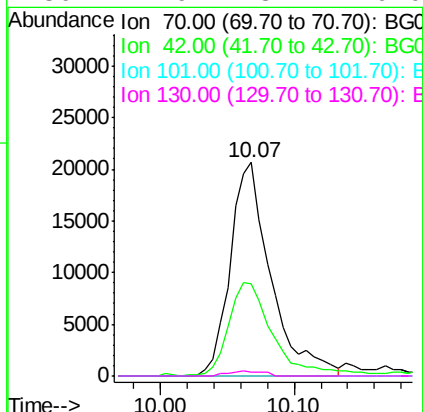
Ion Ratio Lower Upper

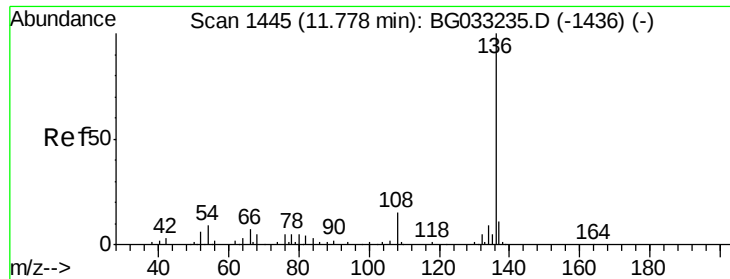
70 100

42 42.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

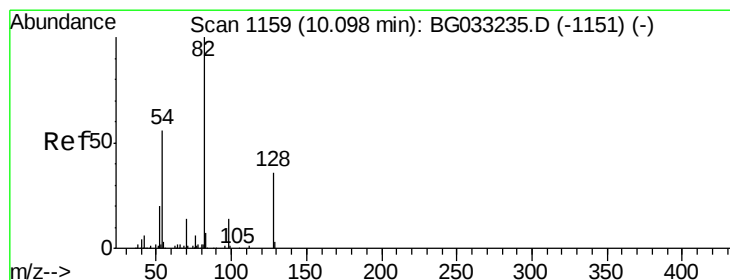
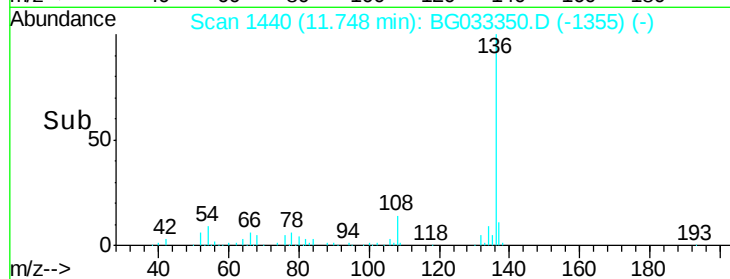
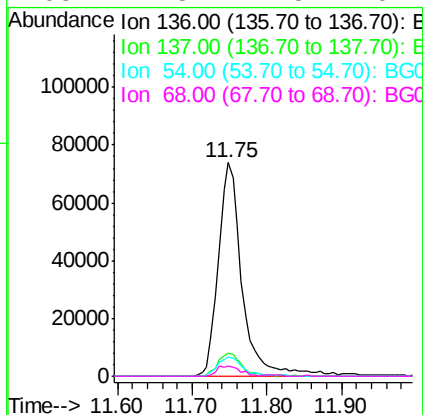
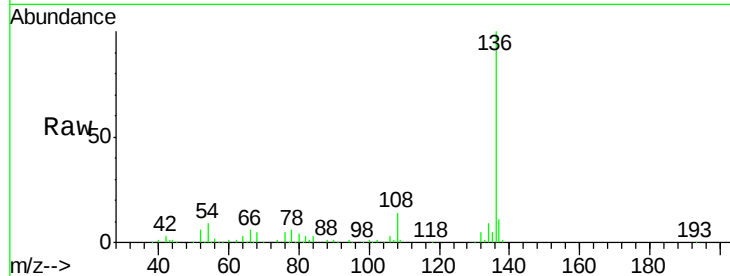




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.03 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

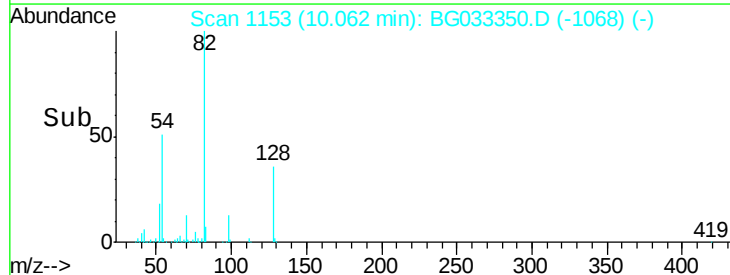
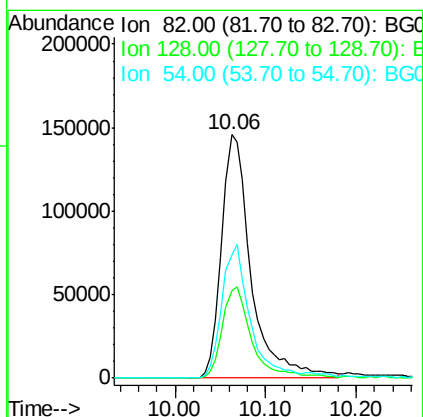
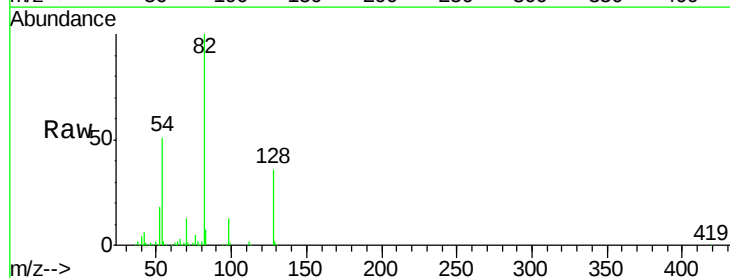
Instrument :  
BNA\_G  
ClientSampleId :

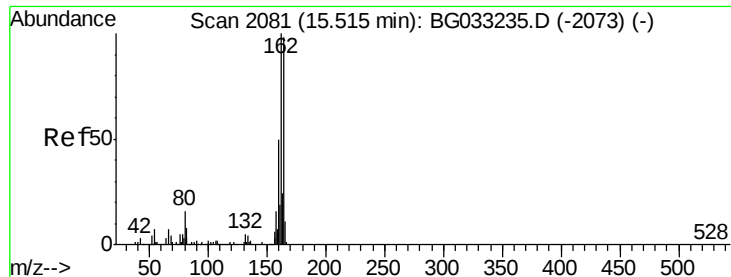
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 163795 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 9.2   | 13.8   |
| 54       | 9.3   | 10.3  | 15.5#  |
| 68       | 4.8   | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 92.898 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. -0.03 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 331190 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.7  | 29.7  | 44.5   |
| 54       | 50.9  | 43.1  | 64.7   |

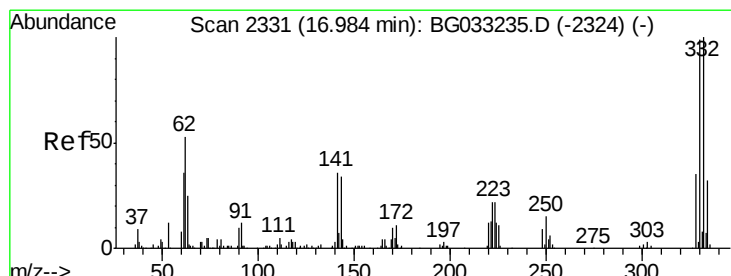
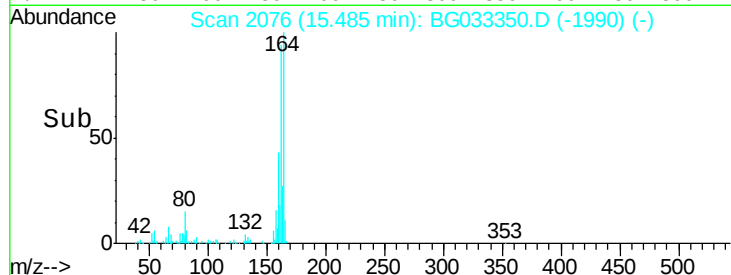
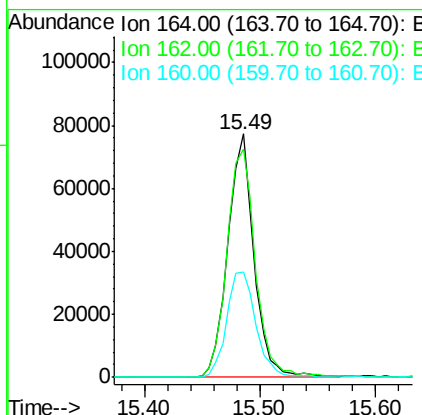
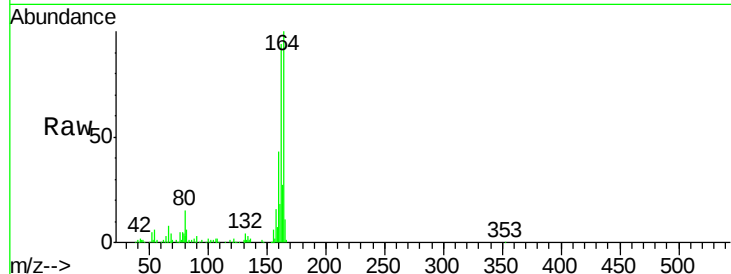




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2076  
 Delta R.T. -0.03 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

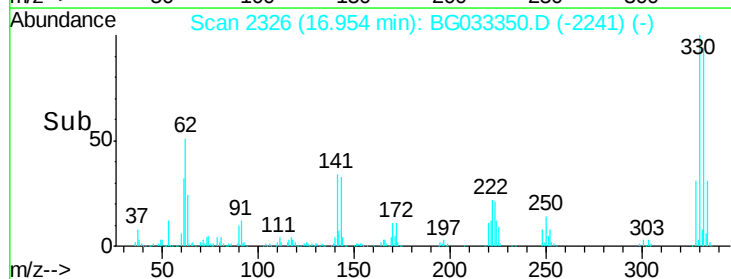
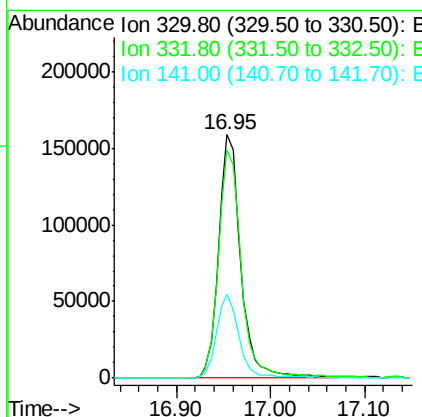
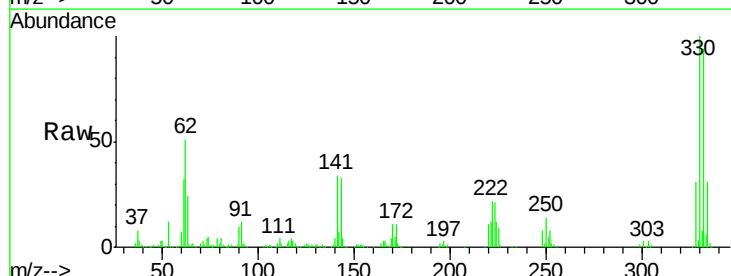
Instrument :  
 BNA\_G  
 ClientSampled :

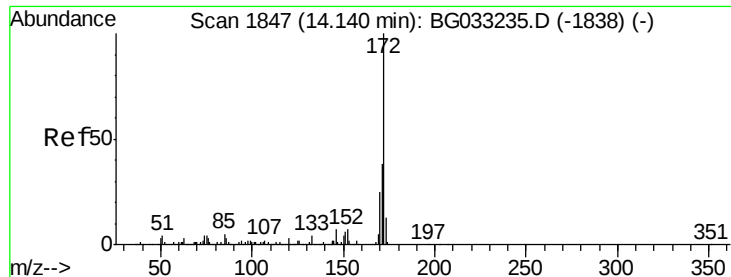
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 93.6  | 78.8  | 118.2 |
| 160     | 43.1  | 35.4  | 53.0  |



#41  
 2,4,6-Tribromophenol  
 Concen: 144.380 ng  
 RT: 16.95 min Scan# 2326  
 Delta R.T. -0.03 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.0  | 115.6 |
| 141     | 34.8  | 25.2  | 37.8  |

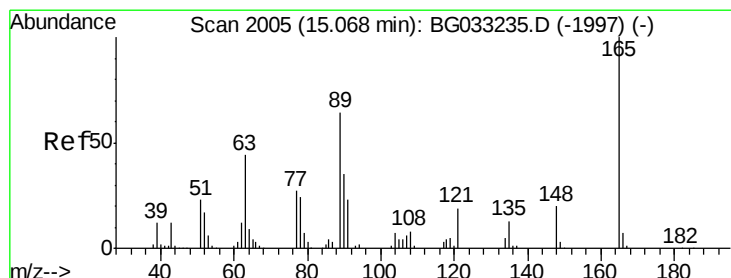
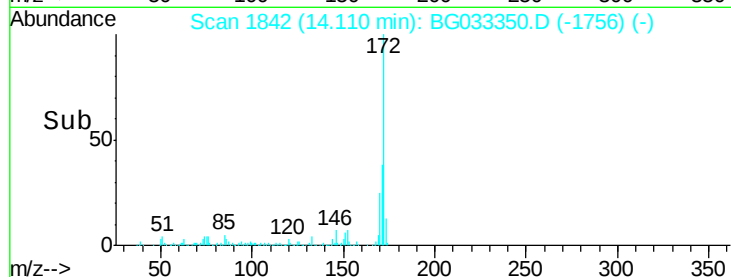
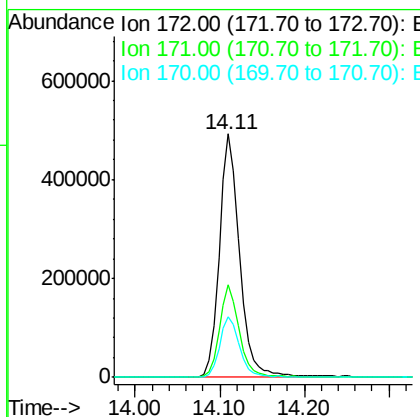
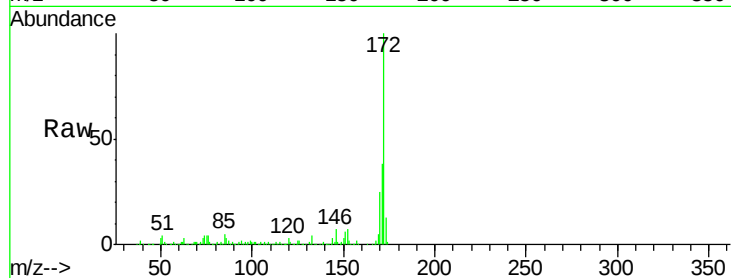




#44  
 2-Fluorobiphenyl  
 Concen: 98.492 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.03 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

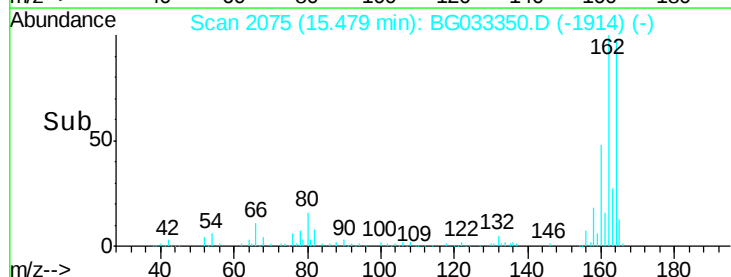
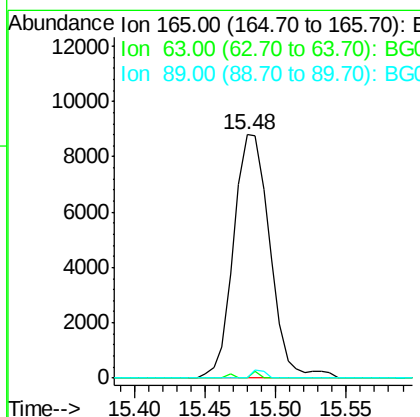
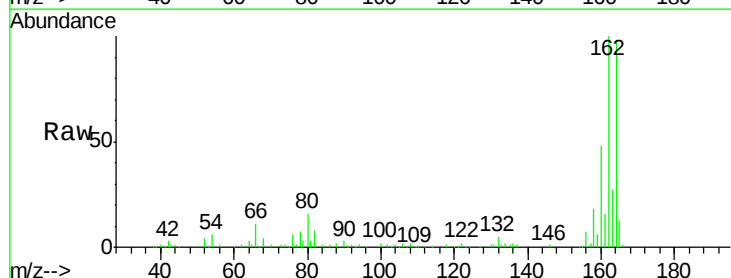
Instrument :  
 BNA\_G  
 ClientSampleId :

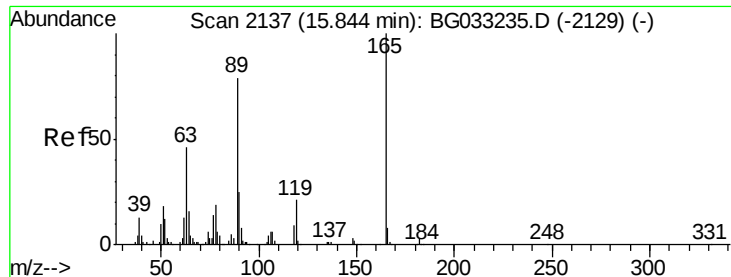
Tot Ion:172 Resp: 827743  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 30.0 45.0  
 170 24.8 19.5 29.3



#50  
 2,6-Dinitrotoluene  
 Concen: 7.323 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. 0.41 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

Tgt Ion:165 Resp: 15810  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.7 79.1#  
 89 0.0 49.2 73.8#

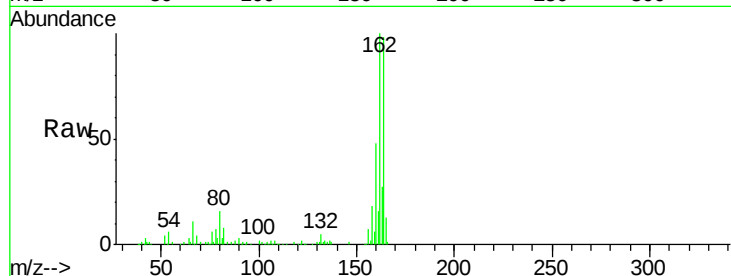




#56  
 2,4-Dinitrotoluene  
 Concen: 4.974 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.37 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 42.0  | 63.0#  |
| 89      | 0.0   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |

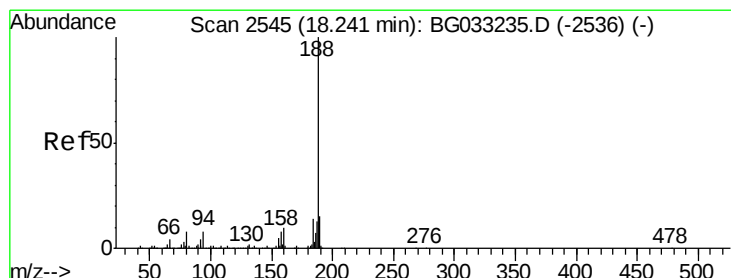
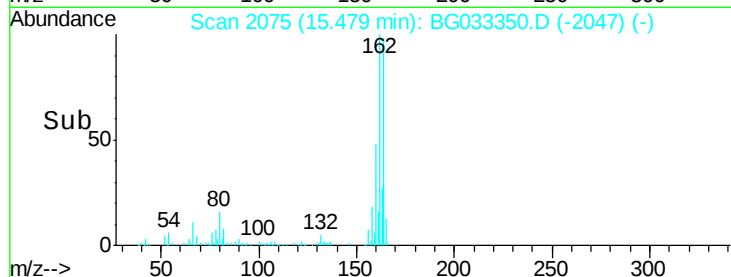
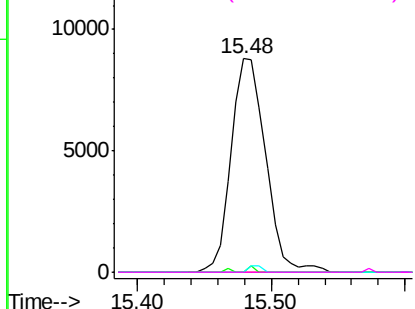


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

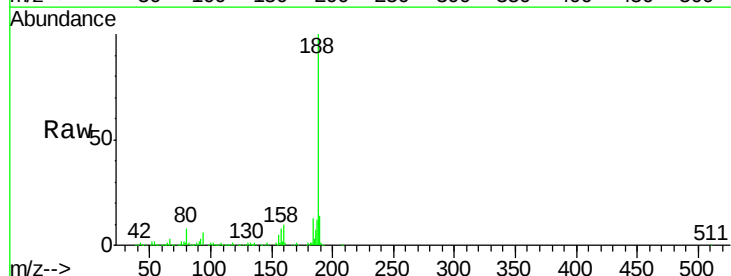
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2540  
 Delta R.T. -0.03 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

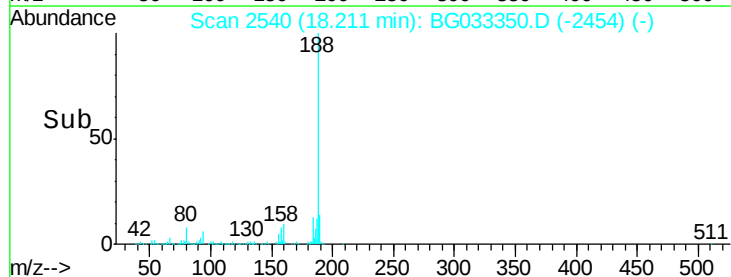
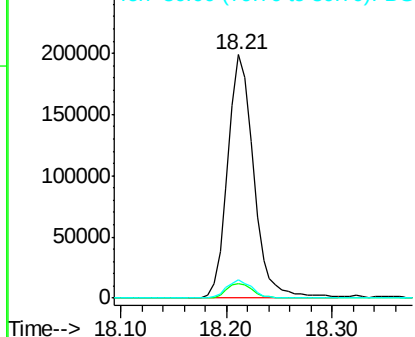
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.2   | 6.9   | 10.3# |
| 80      | 7.6   | 7.7   | 11.5# |

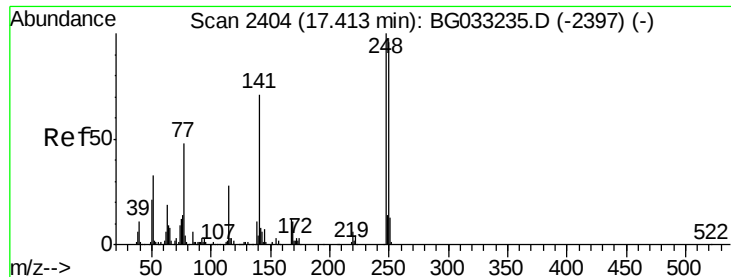


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

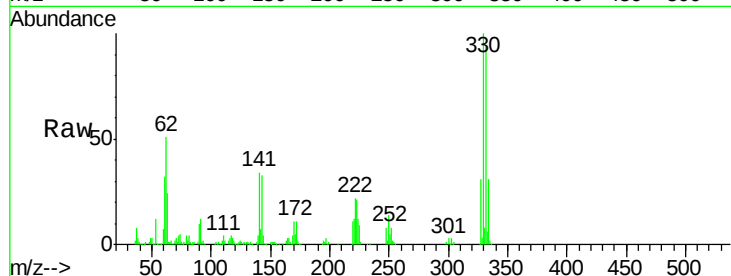




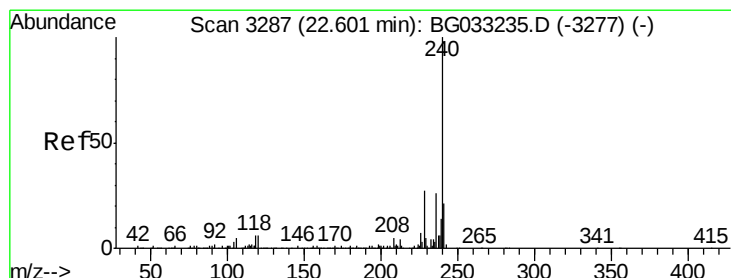
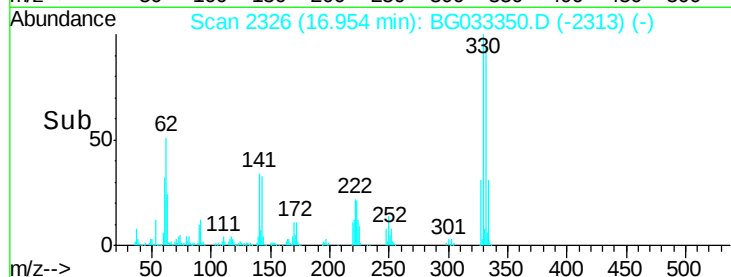
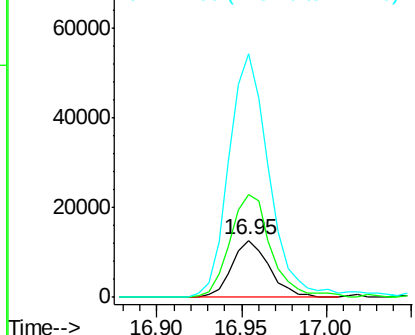
#66  
4-Bromophenyl-phenylether  
Concen: 4.895 ng  
RT: 16.95 min Scan# 2326  
Delta R.T. -0.46 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 19490  
Ion Ratio Lower Upper  
248 100  
250 179.6 77.1 115.7#  
141 425.6 50.8 76.2#

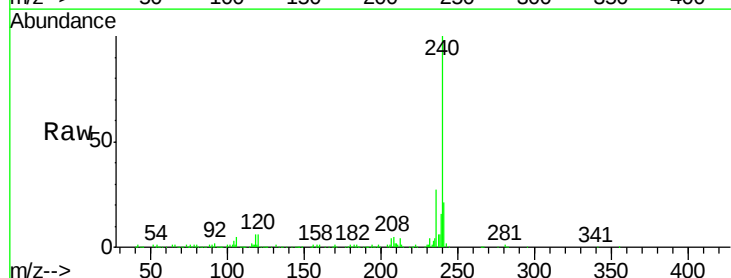


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

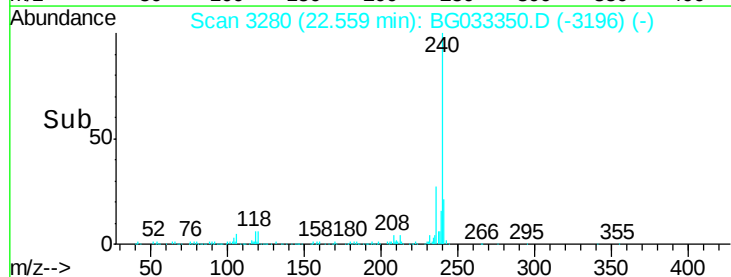
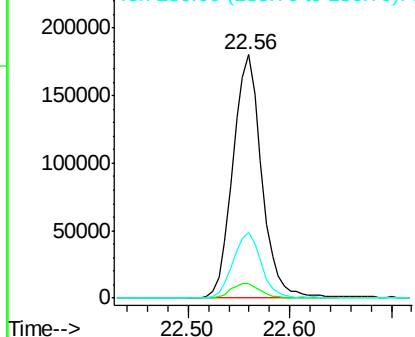


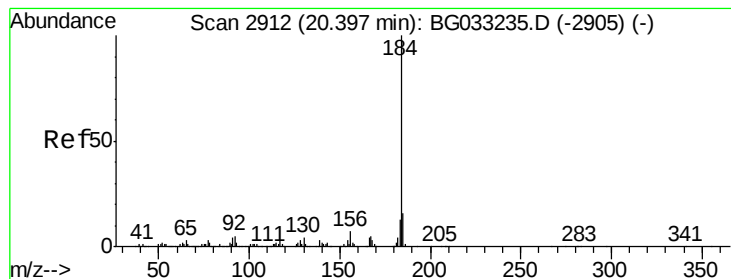
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.56 min Scan# 3280  
Delta R.T. -0.04 min  
Lab File: BG033350.D  
Acq: 27 Mar 2018 4:02

Tgt Ion:240 Resp: 356250  
Ion Ratio Lower Upper  
240 100  
120 5.9 6.8 10.2#  
236 27.0 20.9 31.3



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





#76

Benzidine

Concen: 2.640 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033350.D

Acq: 27 Mar 2018 4:02

Instrument :

BNA\_G

ClientSampled :

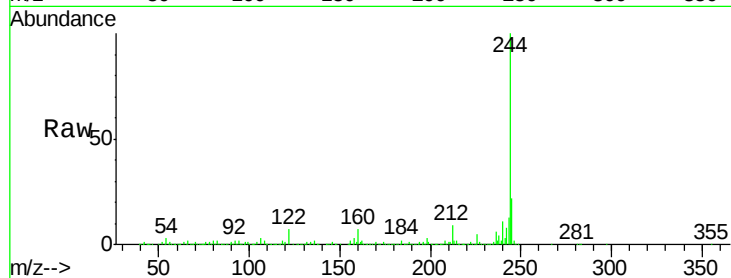
Tot Ion:184 Resp: 25503

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

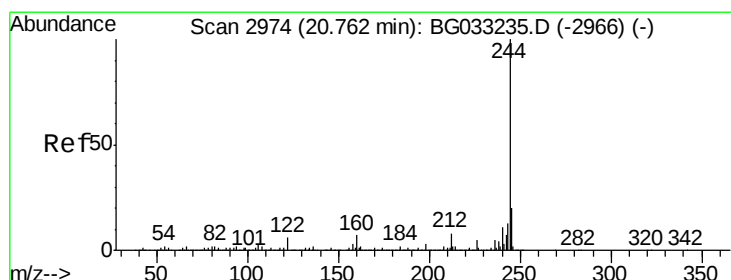
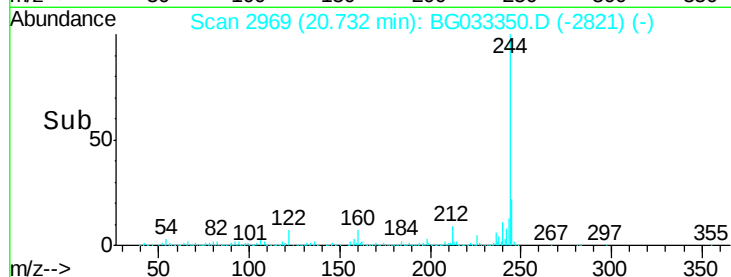
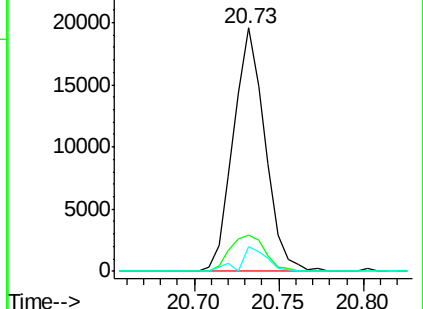
183 10.3 10.6 16.0#



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: 94.307 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033350.D

Acq: 27 Mar 2018 4:02

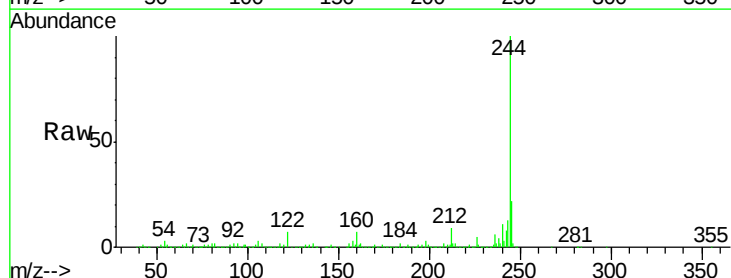
Tgt Ion:244 Resp: 1570963

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

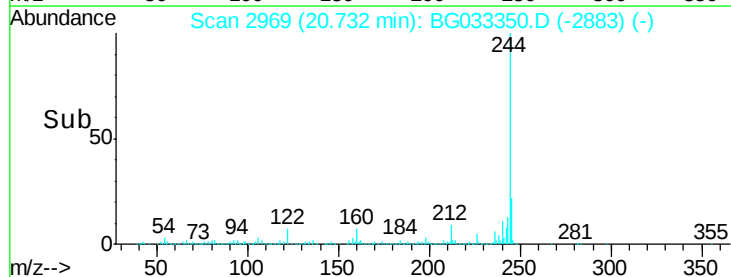
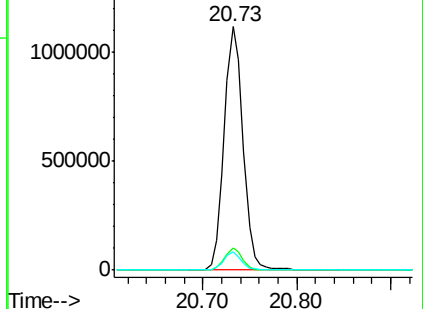
122 7.3 7.0 10.4

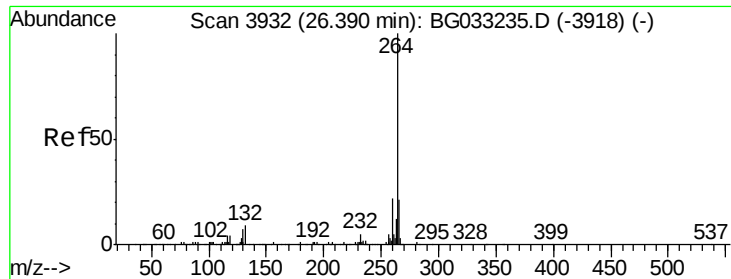


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.32 min Scan# 3920  
 Delta R.T. -0.07 min  
 Lab File: BG033350.D  
 Acq: 27 Mar 2018 4:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.5  | 17.4  | 26.0  |
| 265     | 19.9  | 17.7  | 26.5  |

