

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\  
 Data File : BG033603.D  
 Acq On : 5 Apr 2018 21:41  
 Operator : SJ/JU  
 Sample : J2265-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 06 03:21:24 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 05 17:36:07 2018  
 Response via : Initial Calibration

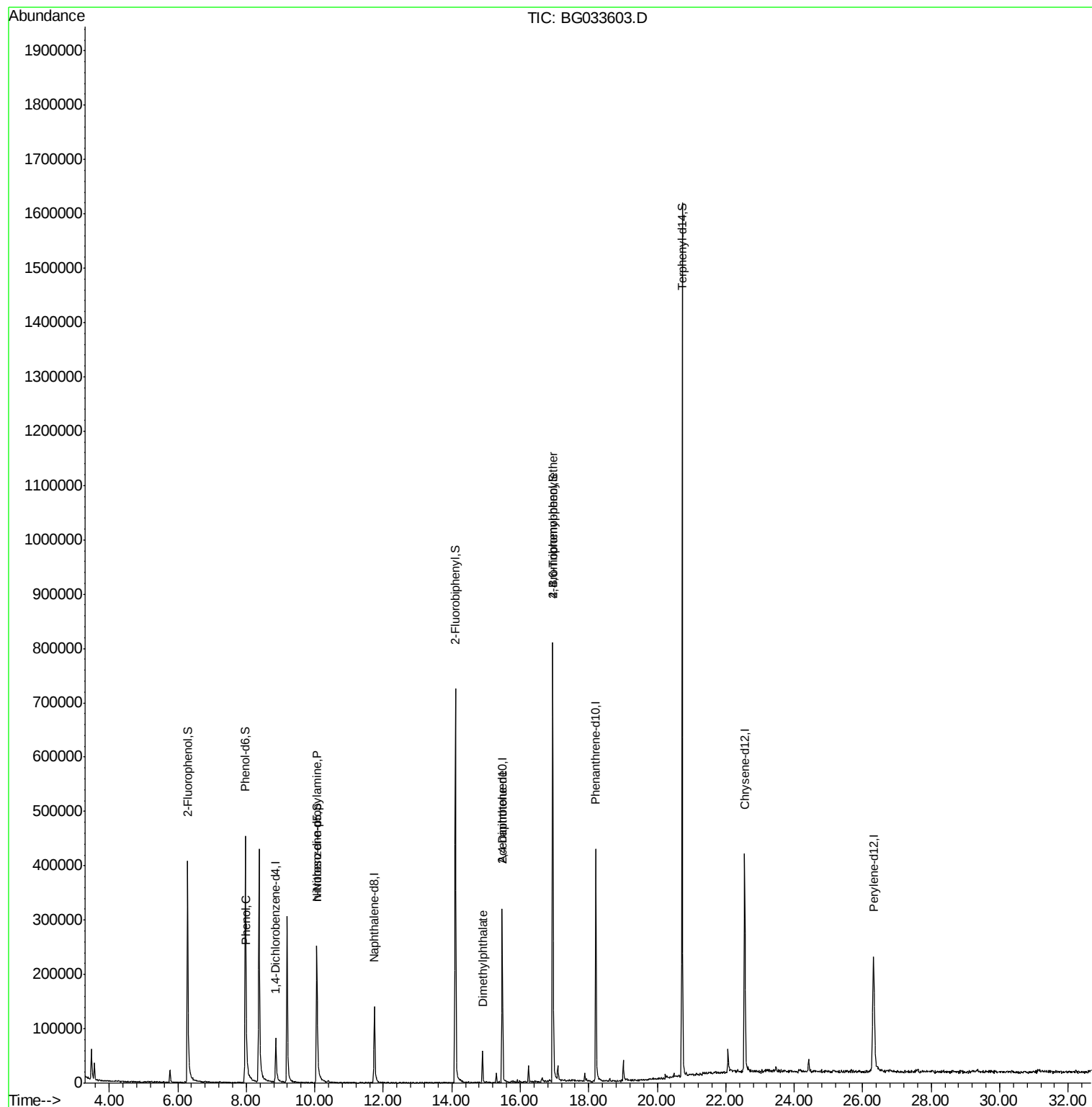
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.86  | 152  | 32632    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.74 | 136  | 144852   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.47 | 164  | 119904   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.21 | 188  | 295249   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.55 | 240  | 306684   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.31 | 264  | 315246   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.28  | 112  | 206227   | 118.50 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.97  | 99   | 322802   | 107.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 214703   | 68.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 158040   | 88.13  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.10 | 172  | 420544   | 50.63  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 794097   | 55.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 8.00  | 94   | 12905    | 4.371  | ng    | # 45     |
| 19) n-Nitroso-di-n-propylamine | 10.06 | 70   | 28605    | 13.055 | ng    | # 86     |
| 49) Dimethylphthalate          | 14.90 | 163  | 41644    | 3.991  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 15854    | 5.047  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 12540    | 3.617  | ng    | # 1      |

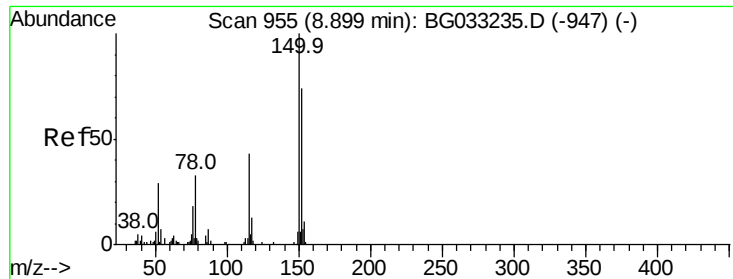
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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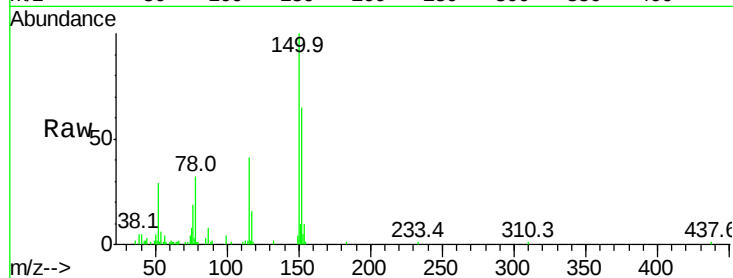


#1

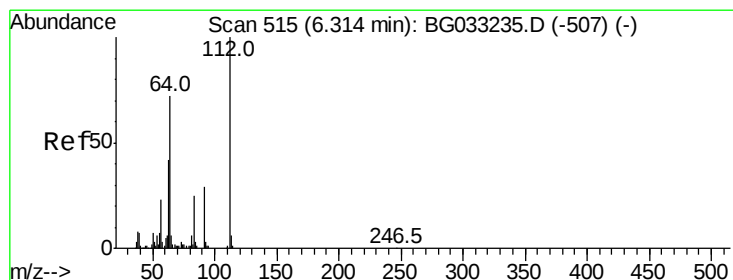
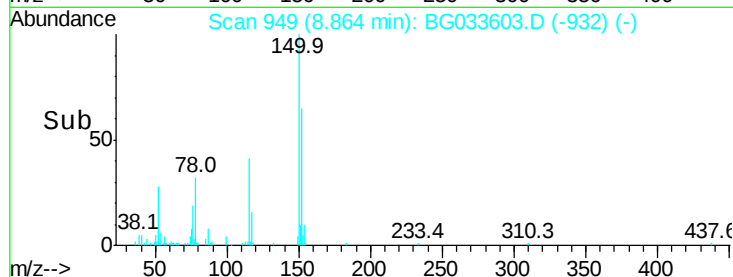
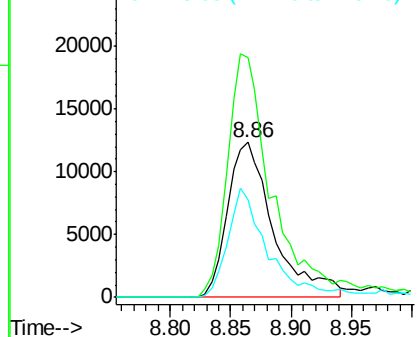
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 32632  
Ion Ratio Lower Upper  
152 100  
150 154.9 126.6 189.8  
115 62.8 53.0 79.4



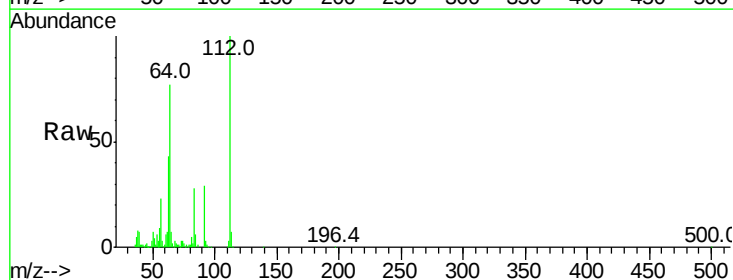
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



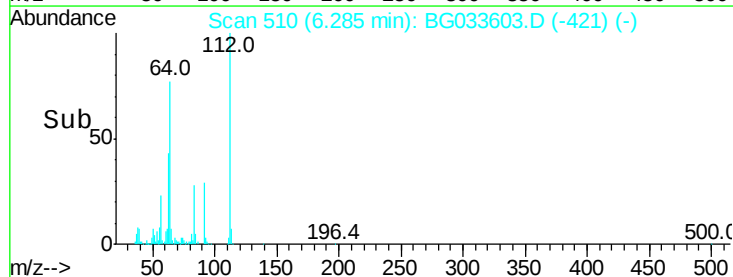
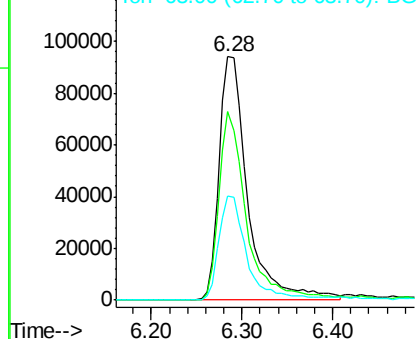
#5

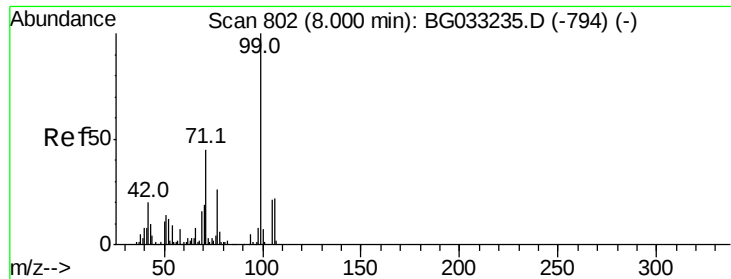
2-Fluorophenol  
Concen: 118.503 ng  
RT: 6.28 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

Tgt Ion:112 Resp: 206227  
Ion Ratio Lower Upper  
112 100  
64 77.2 56.3 84.5  
63 42.7 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: 107.956 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

Instrument :

BNA\_G

ClientSampleId :

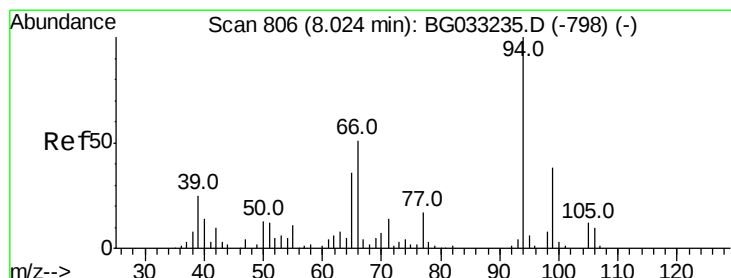
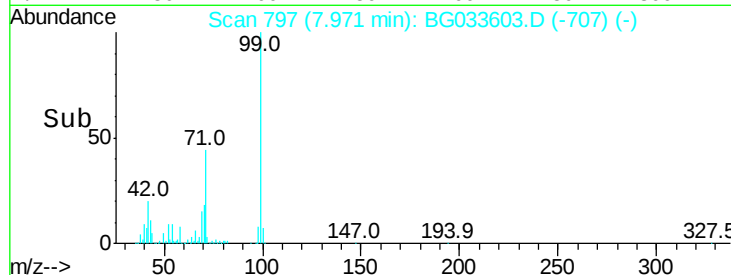
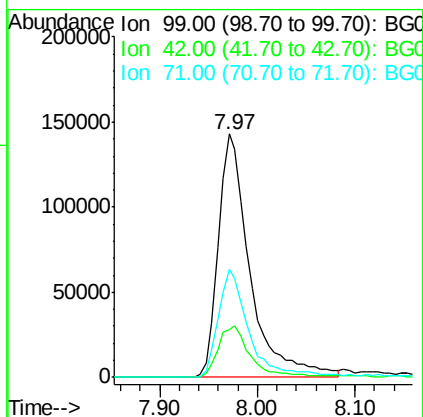
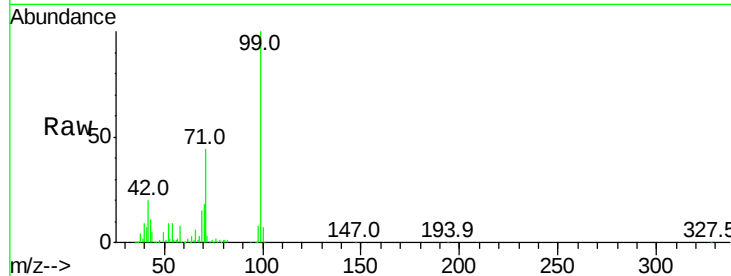
Tot Ion: 99 Resp: 322802

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

71 44.4 26.1 39.1#



#10

Phenol

Concen: 4.371 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

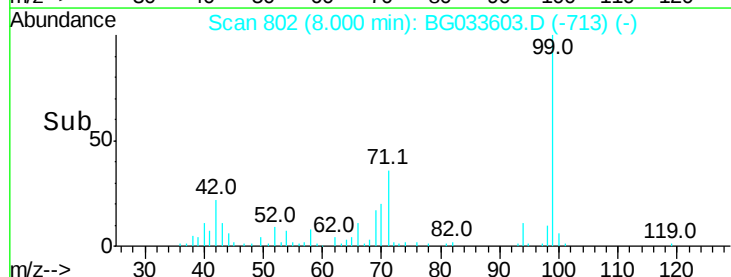
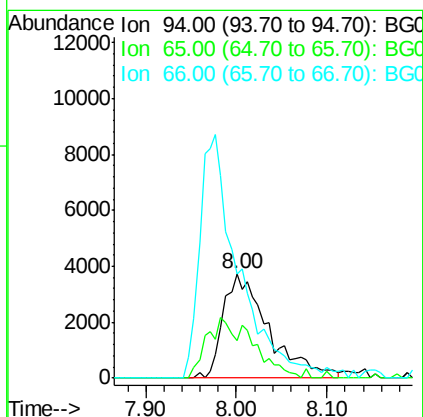
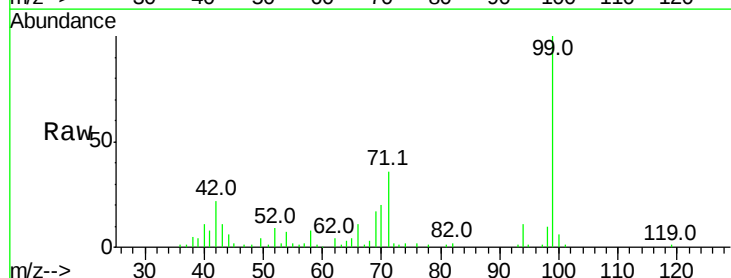
Tgt Ion: 94 Resp: 12905

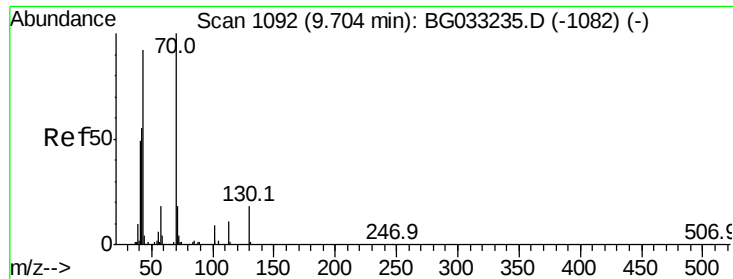
Ion Ratio Lower Upper

94 100

65 36.4 11.9 51.9

66 99.4 22.2 62.2#

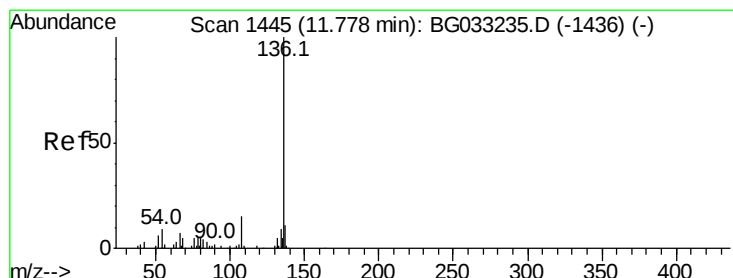
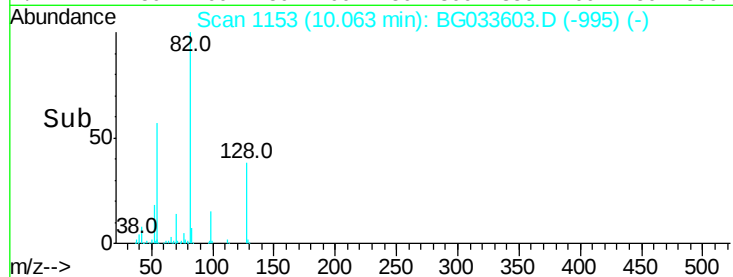
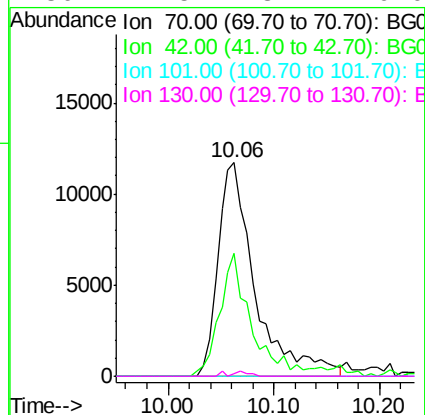
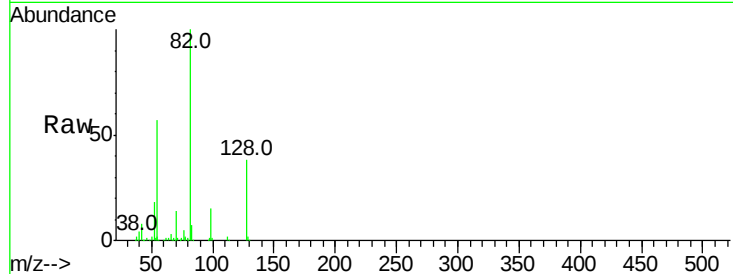




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.055 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. 0.40 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

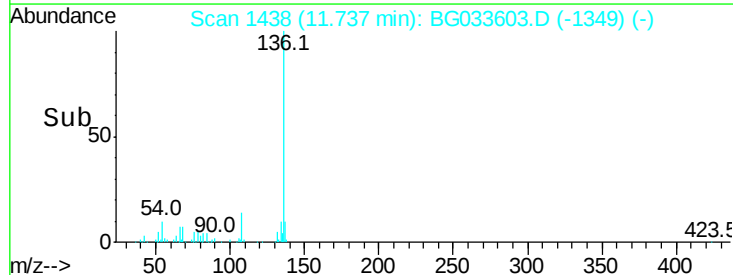
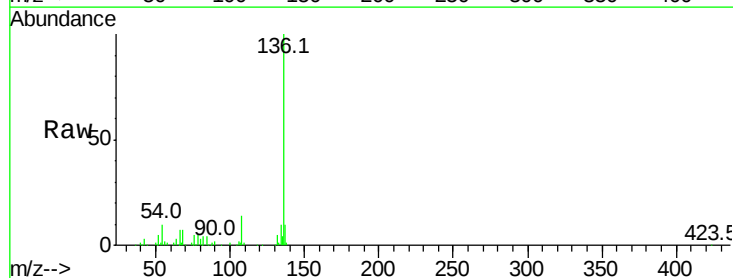
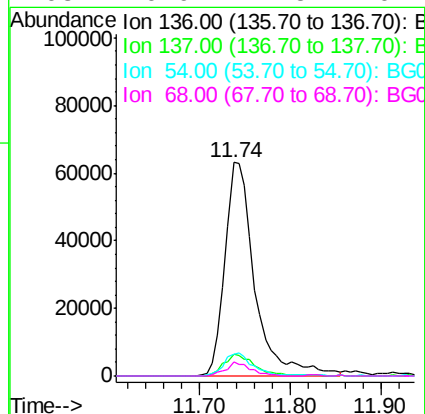
Instrument :  
BNA\_G  
ClientSampleId :

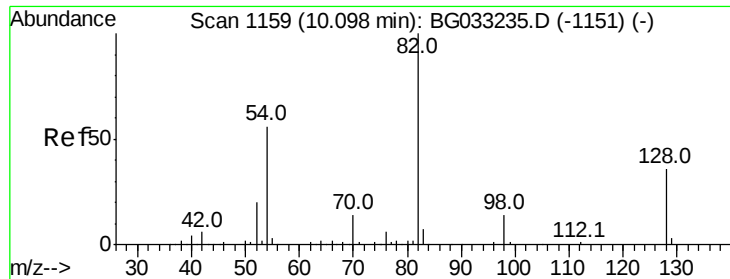
Tot Ion: 70 Resp: 28605  
Ion Ratio Lower Upper  
70 100  
42 57.5 49.1 73.7  
101 0.0 8.5 12.7#  
130 1.5 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

Tgt Ion: 136 Resp: 144852  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.2 13.8  
54 10.2 10.3 15.5#  
68 6.9 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 68.099 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

Instrument :

BNA\_G

ClientSampleId :

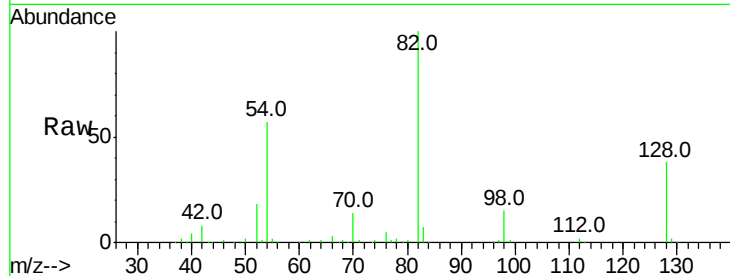
Tot Ion: 82 Resp: 214703

Ion Ratio Lower Upper

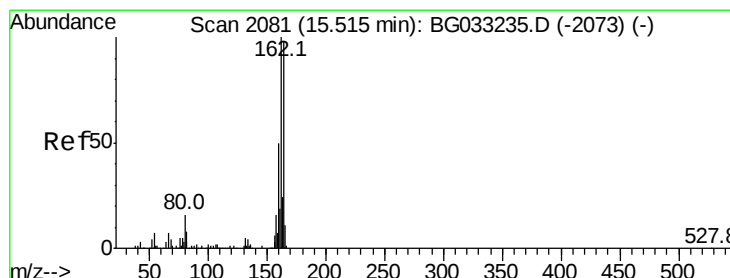
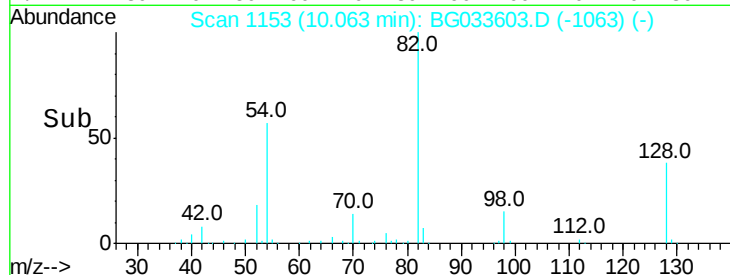
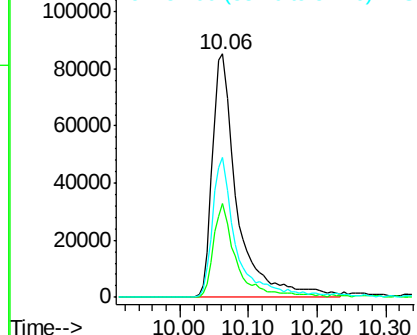
82 100

128 38.4 29.7 44.5

54 57.4 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

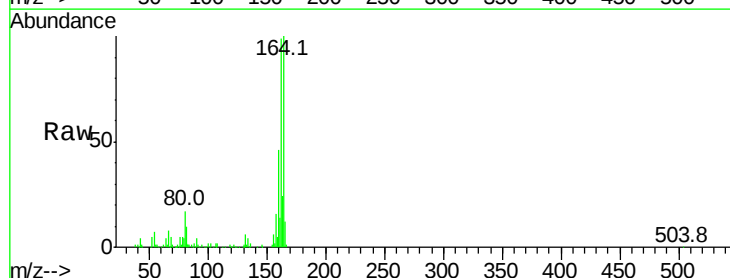
Tgt Ion:164 Resp: 119904

Ion Ratio Lower Upper

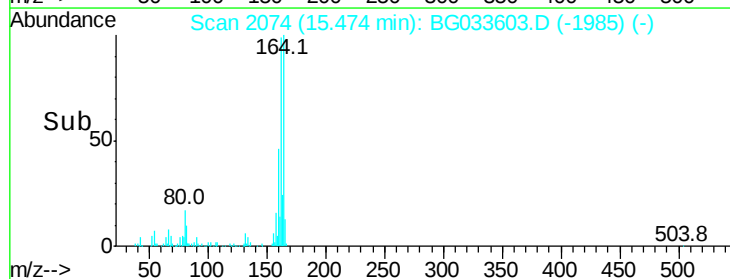
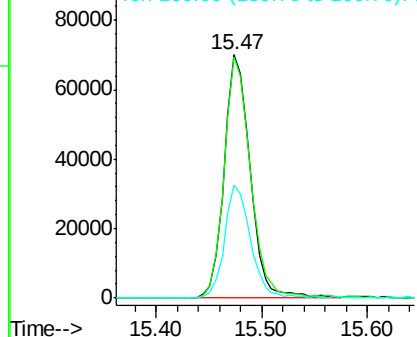
164 100

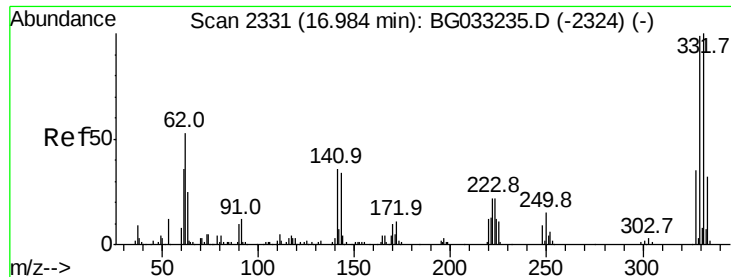
162 98.8 78.8 118.2

160 46.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

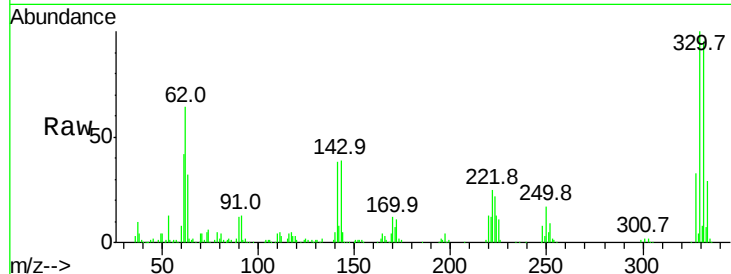




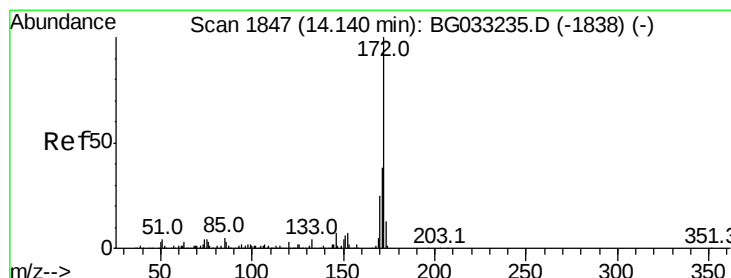
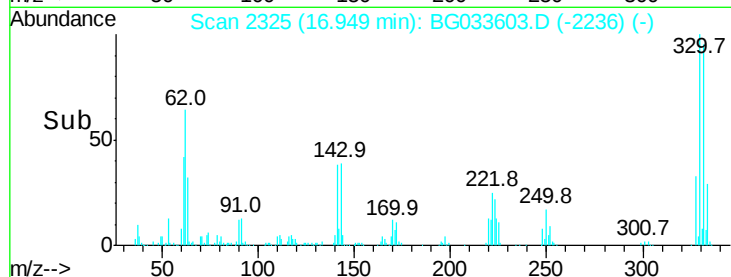
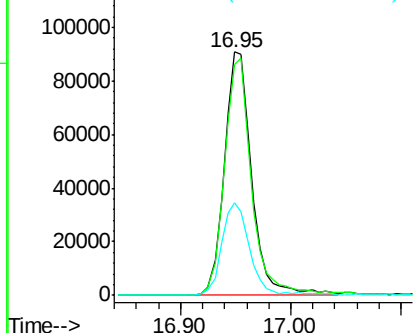
#41  
 2,4,6-Tribromophenol  
 Concen: 88.128 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.01 min  
 Lab File: BG033603.D  
 Acq: 5 Apr 2018 21:41

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 158040  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.0 115.6  
 141 38.4 25.2 37.8#

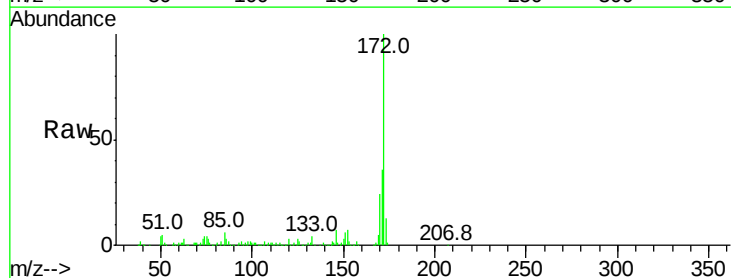


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

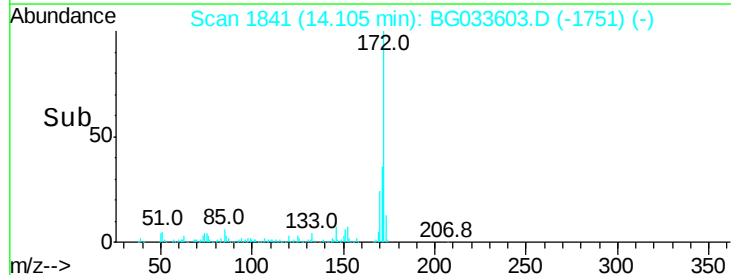
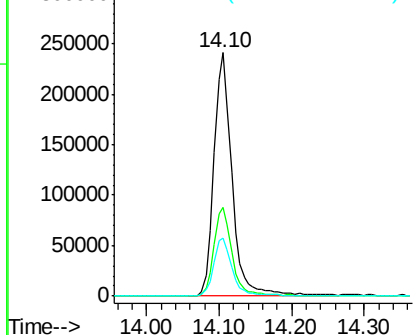


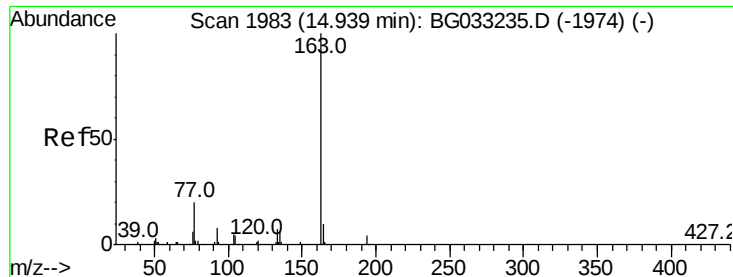
#44  
 2-Fluorobiphenyl  
 Concen: 50.633 ng  
 RT: 14.10 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: BG033603.D  
 Acq: 5 Apr 2018 21:41

Tgt Ion:172 Resp: 420544  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 30.0 45.0  
 170 23.7 19.5 29.3



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





#49

Dimethylphthalate

Concen: 3.991 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

Instrument :

BNA\_G

ClientSampleId :

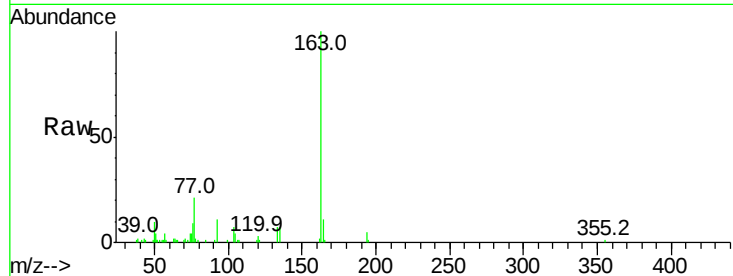
Tot Ion:163 Resp: 41644

Ion Ratio Lower Upper

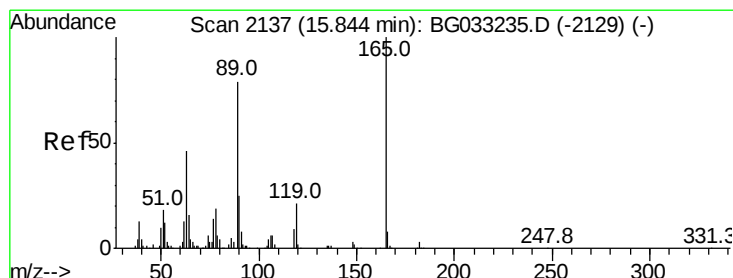
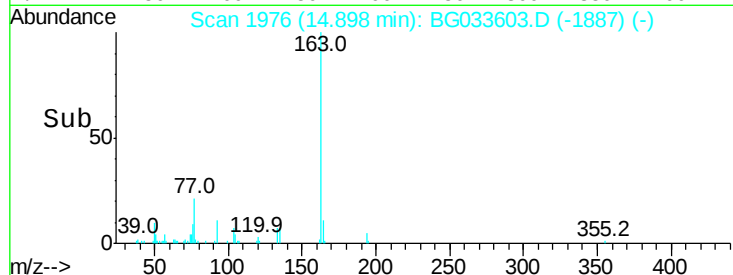
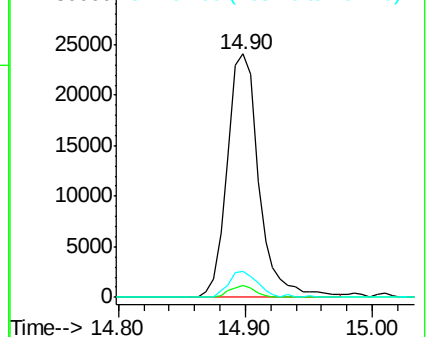
163 100

194 4.7 3.4 5.2

164 10.7 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.047 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.33 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

Tgt Ion:165 Resp: 15854

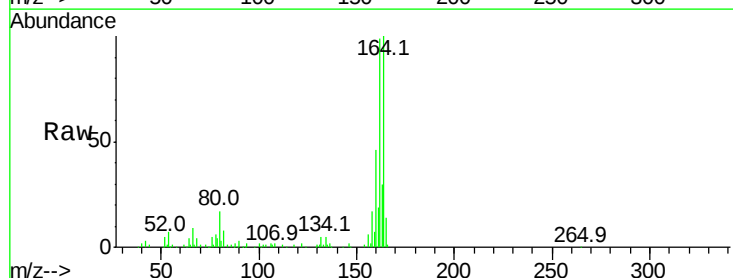
Ion Ratio Lower Upper

165 100

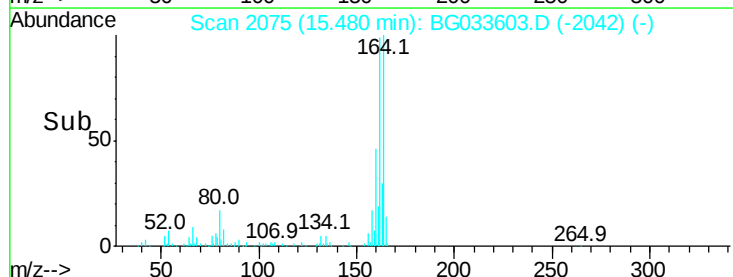
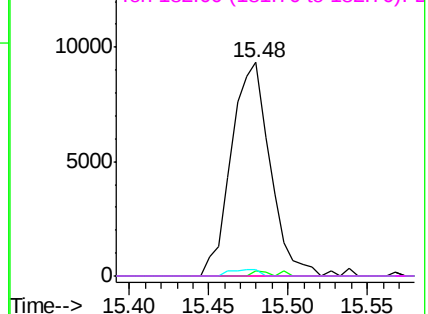
63 2.6 42.0 63.0#

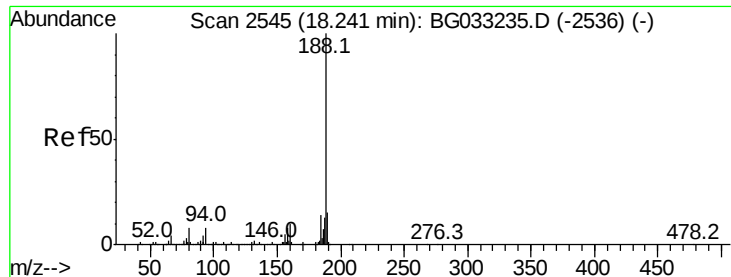
89 2.8 66.9 100.3#

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

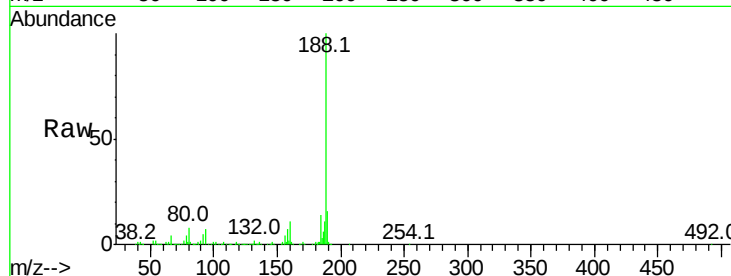




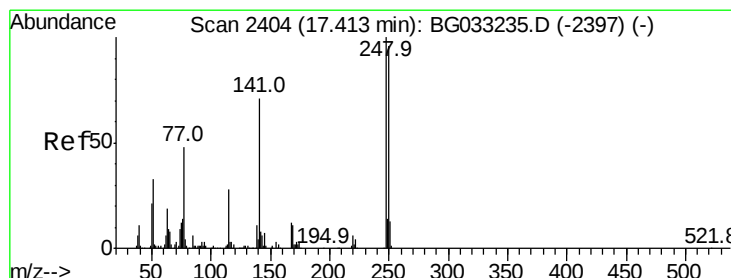
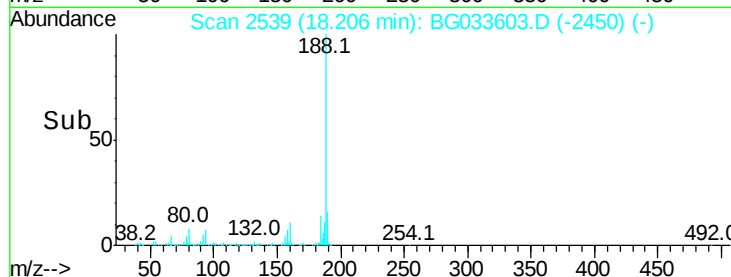
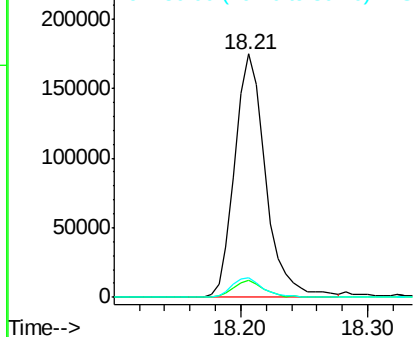
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.21 min Scan# 2539  
Delta R.T. -0.01 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.1   | 6.9   | 10.3  |
| 80      | 8.3   | 7.7   | 11.5  |

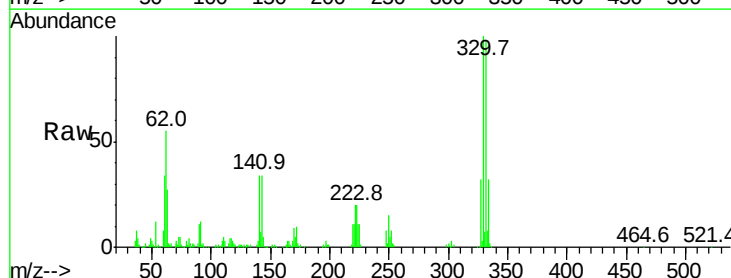


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

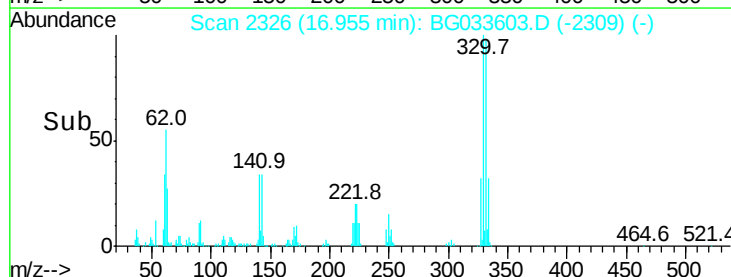
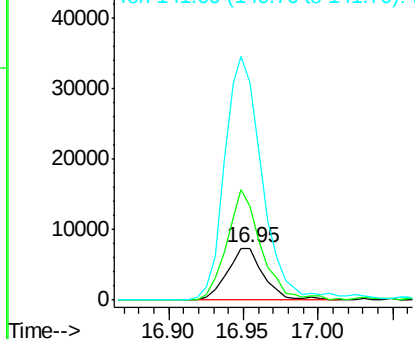


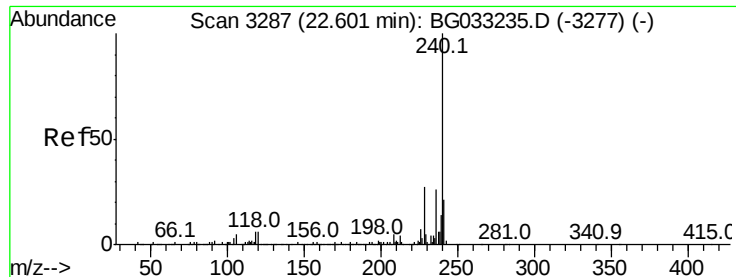
#66  
4-Bromophenyl-phenylether  
Concen: 3.617 ng  
RT: 16.95 min Scan# 2326  
Delta R.T. -0.43 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 182.2 | 77.1  | 115.7# |
| 141     | 423.1 | 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: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

Instrument :

BNA\_G

ClientSampleId :

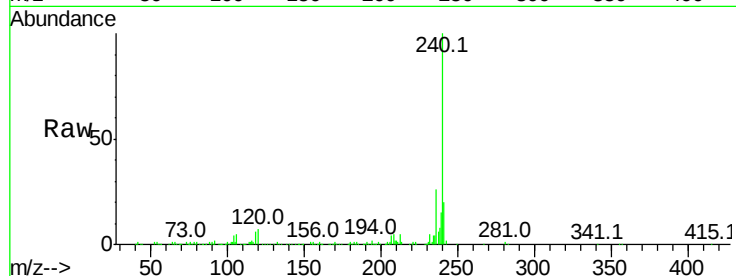
Tot Ion:240 Resp: 306684

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

236 26.5 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

200000

150000

100000

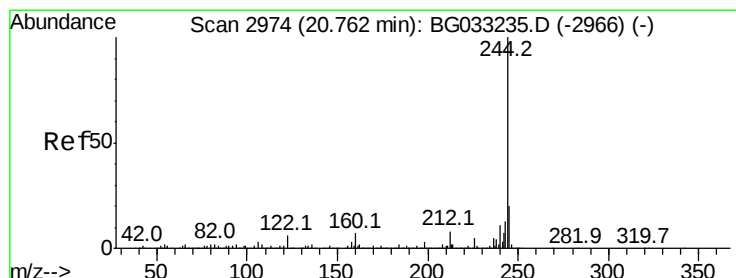
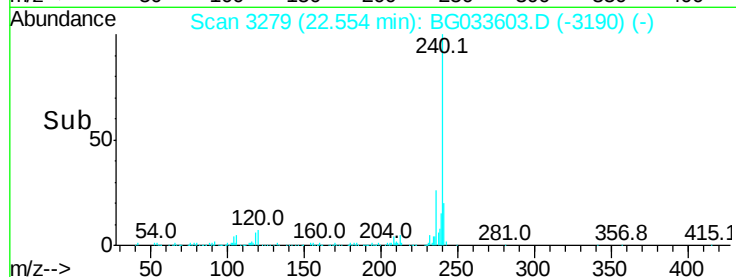
50000

0

22.55

22.40 22.50 22.60 22.70

Time-->



#78

Terphenyl-d14

Concen: 55.375 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033603.D

Acq: 5 Apr 2018 21:41

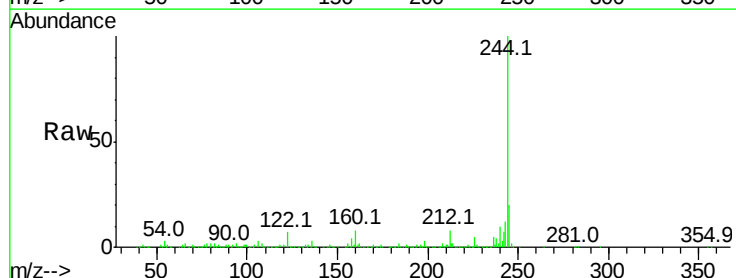
Tgt Ion:244 Resp: 794097

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

122 7.2 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

800000

600000

400000

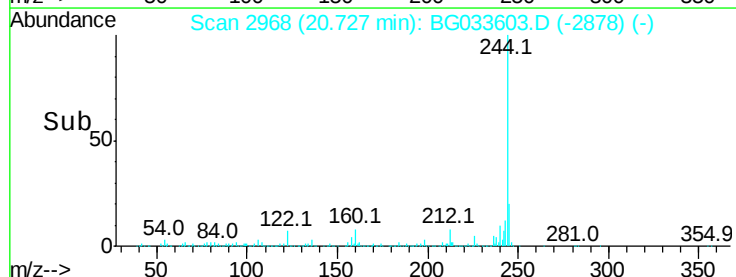
200000

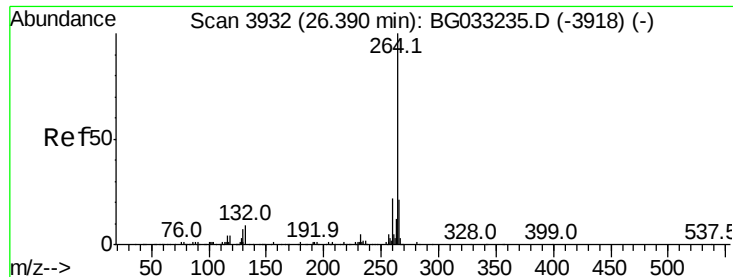
0

20.73

20.70 20.80 20.90

Time-->





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.31 min Scan# 3919  
Delta R.T. -0.01 min  
Lab File: BG033603.D  
Acq: 5 Apr 2018 21:41

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.9  | 17.4  | 26.0  |
| 265     | 20.9  | 17.7  | 26.5  |

