

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\  
 Data File : BG031799.D  
 Acq On : 27 Dec 2017 16:44  
 Operator : SJ/JU  
 Sample : PB105354BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 28 07:18:30 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

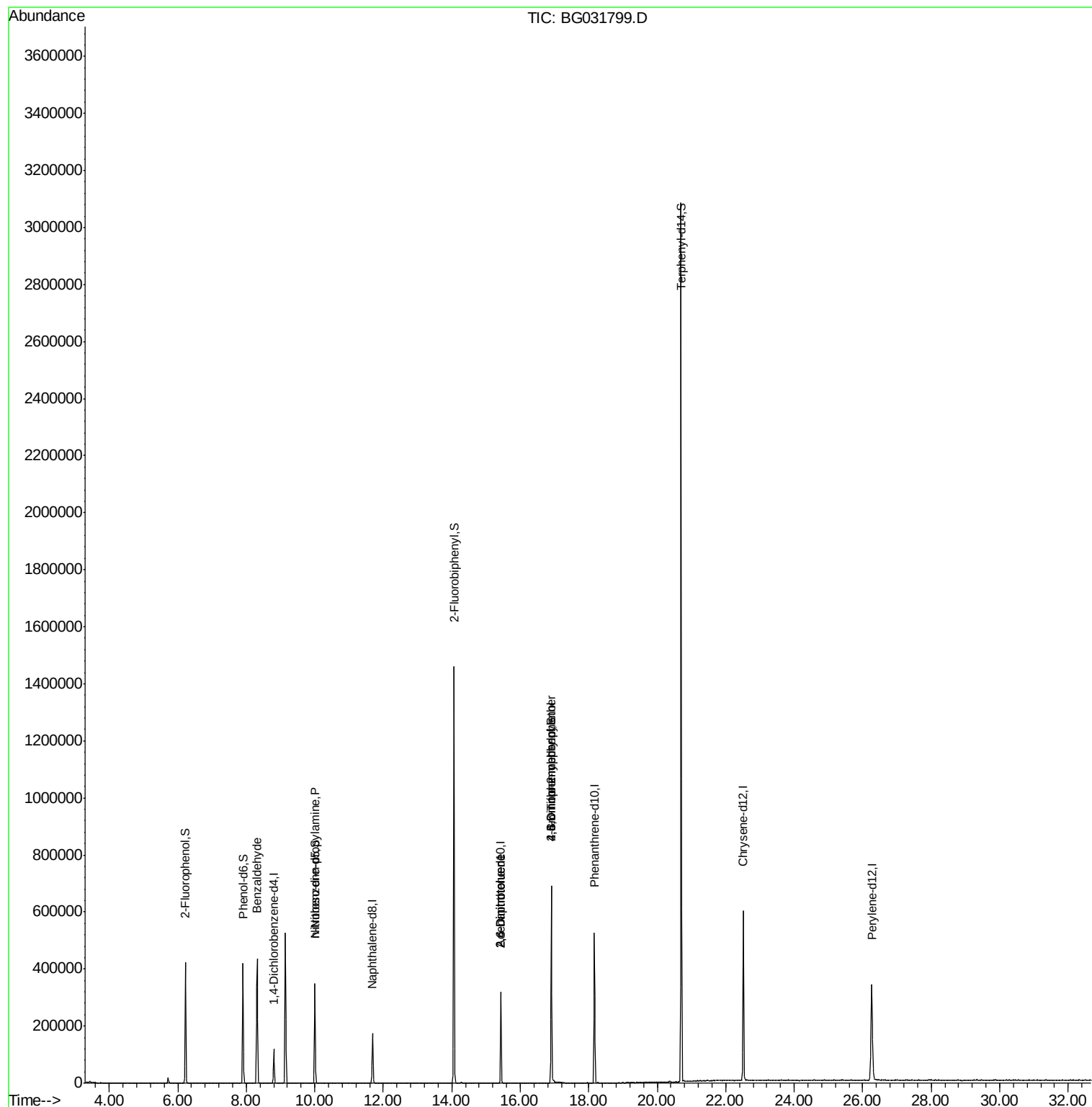
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.80  | 152  | 43076    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 11.69 | 136  | 175965   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 15.43 | 164  | 125972   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 18.16 | 188  | 354864   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12               | 22.51 | 240  | 451095   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 26.26 | 264  | 477826   | 20.00  | ng    | -0.10    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.23  | 112  | 234336   | 99.08  | ng    | -0.02    |
| 7) Phenol-d6                   | 7.91  | 99   | 299452   | 97.52  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 10.00 | 82   | 229736   | 98.59  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.91 | 330  | 182003   | 94.69  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 14.06 | 172  | 873107   | 86.99  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.70 | 244  | 1714791  | 86.85  | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 8.32  | 77   | 5081     | 2.748  | ng    | 90       |
| 19) n-Nitroso-di-n-propylamine | 10.00 | 70   | 29669    | 14.148 | ng    | # 70     |
| 50) 2,6-Dinitrotoluene         | 15.43 | 165  | 16605    | 8.134  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.43 | 165  | 16605    | 6.325  | ng    | # 16     |
| 64) 4,6-Dinitro-2-methylphenol | 16.91 | 198  | 277      | 8.438  | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 16.90 | 248  | 14106    | 2.749  | ng    | # 1      |

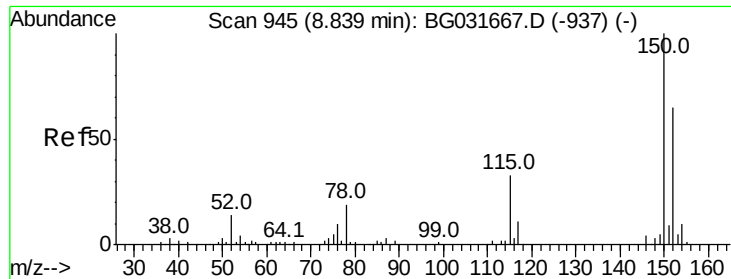
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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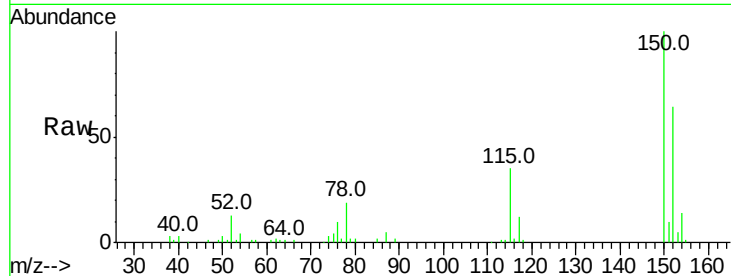


#1

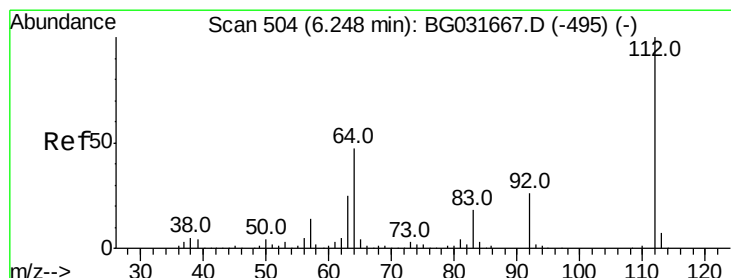
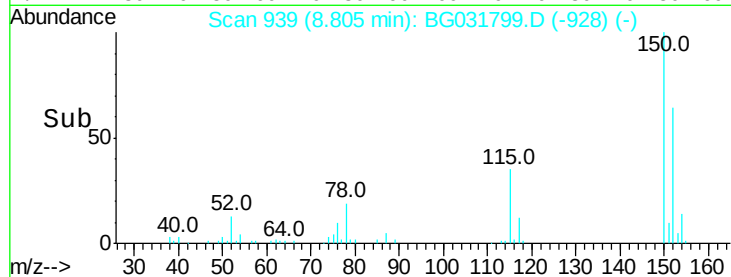
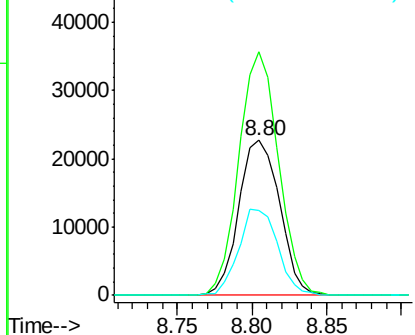
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.80 min Scan# 939  
Delta R.T. -0.03 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 43076  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.6 189.8  
115 54.6 53.0 79.4



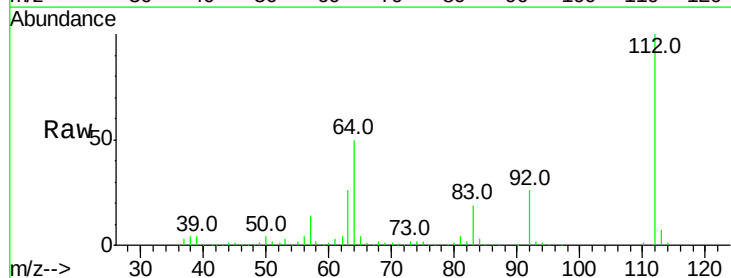
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



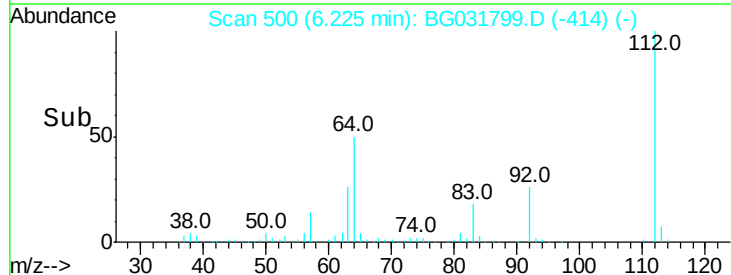
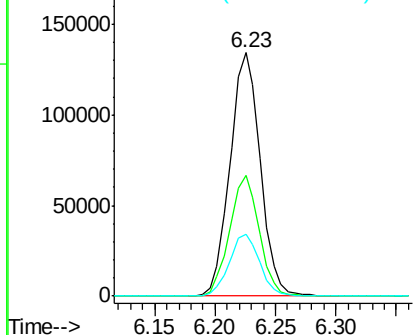
#5

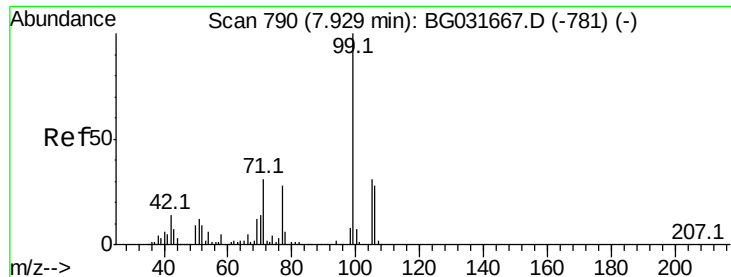
2-Fluorophenol  
Concen: 99.084 ng  
RT: 6.23 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

Tgt Ion:112 Resp: 234336  
Ion Ratio Lower Upper  
112 100  
64 49.8 56.3 84.5#  
63 25.7 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: 97.523 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

Instrument :

BNA\_G

ClientSampleId :

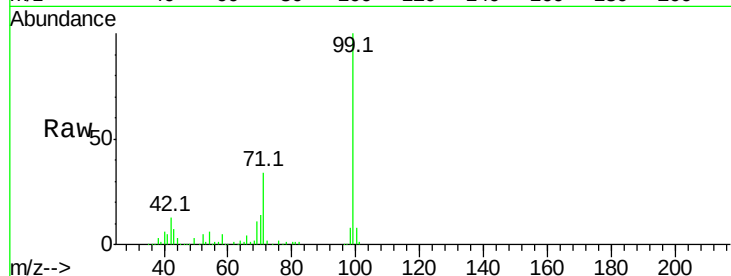
Tot Ion: 99 Resp: 299452

Ion Ratio Lower Upper

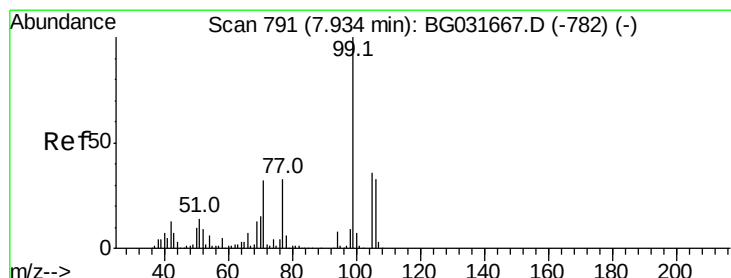
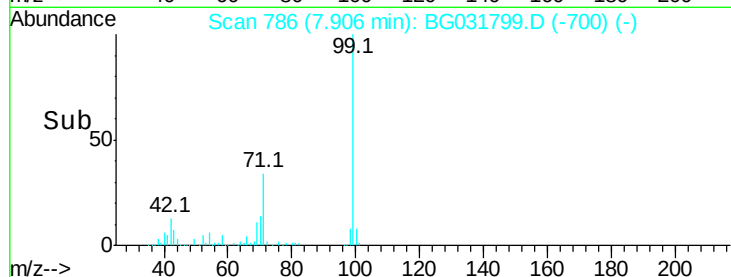
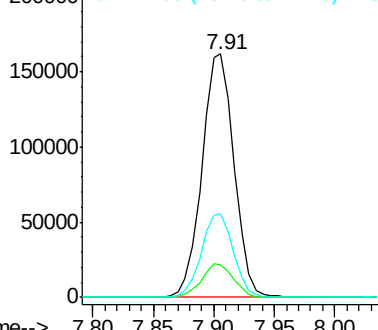
99 100

42 13.4 14.1 21.1#

71 34.3 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



#9

Benzaldehyde

Concen: 2.748 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

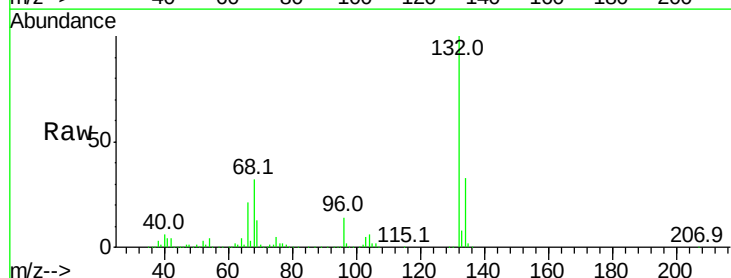
Tgt Ion: 77 Resp: 5081

Ion Ratio Lower Upper

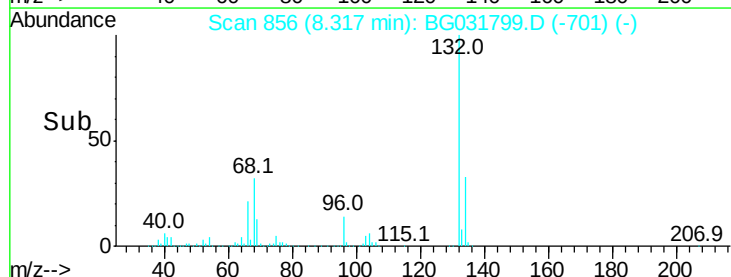
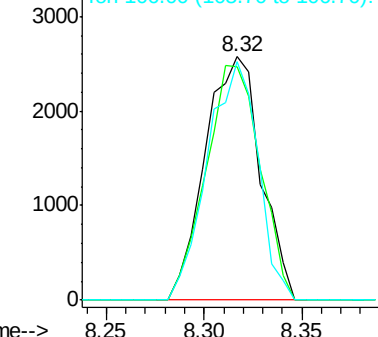
77 100

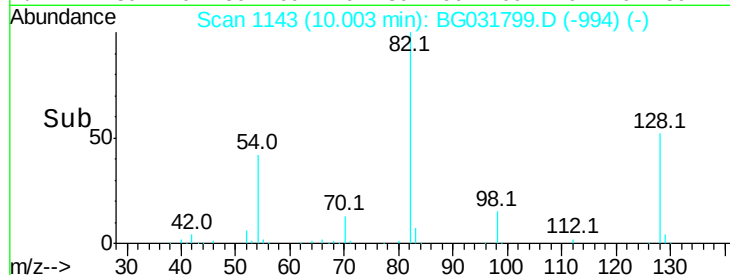
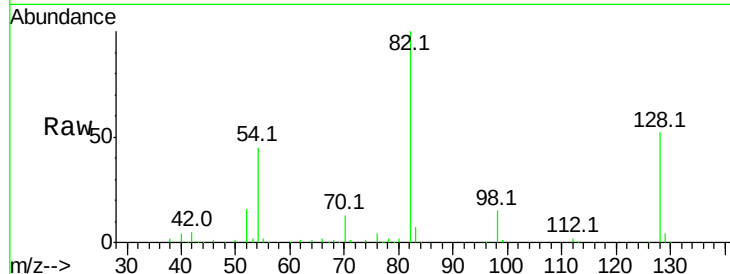
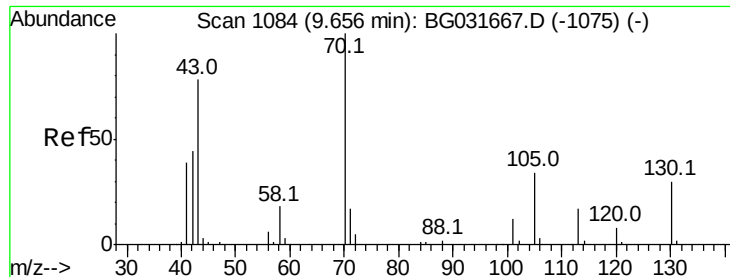
105 95.6 71.3 111.3

106 98.0 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC

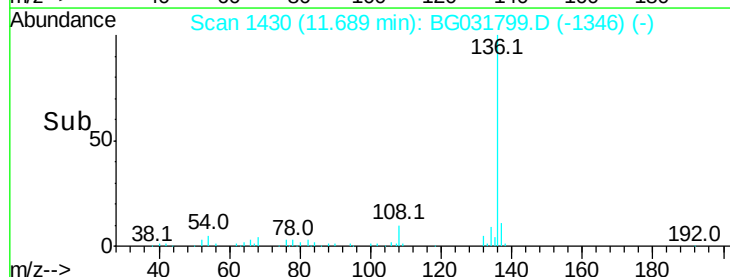
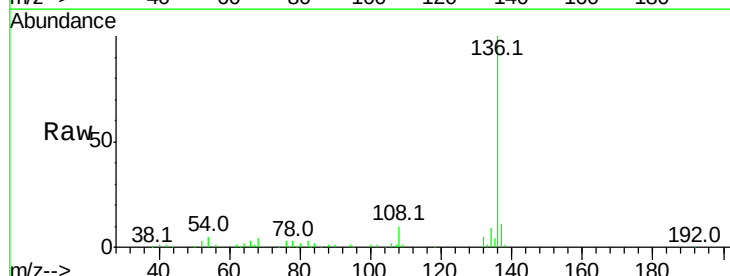
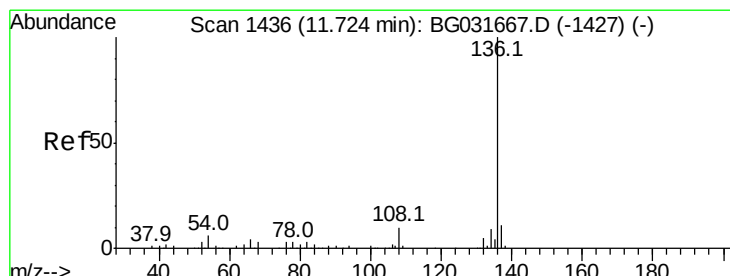
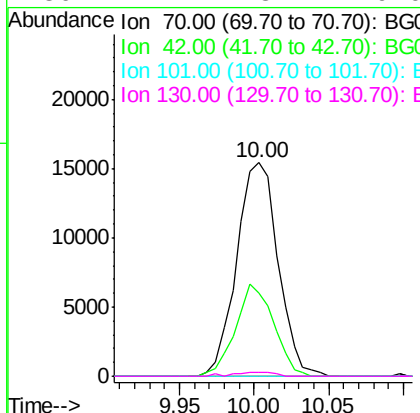




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.148 ng  
RT: 10.00 min Scan# 1143  
Delta R.T. 0.35 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

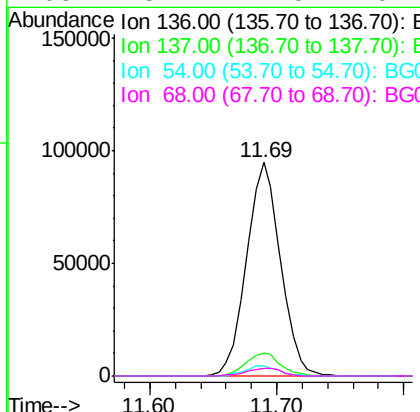
Instrument :  
BNA\_G  
ClientSampleId :

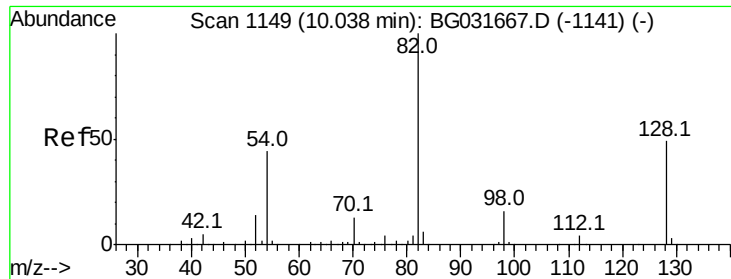
Tot Ion: 70 Resp: 29669  
Ion Ratio Lower Upper  
70 100  
42 38.9 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.1 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.69 min Scan# 1430  
Delta R.T. -0.03 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

Tgt Ion: 136 Resp: 175965  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.2 13.8  
54 5.0 10.3 15.5#  
68 3.7 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 98.587 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

Instrument :

BNA\_G

ClientSampleId :

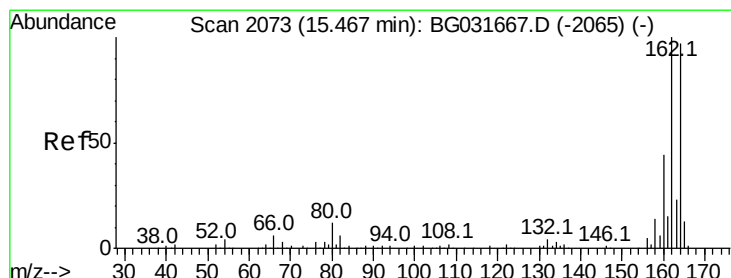
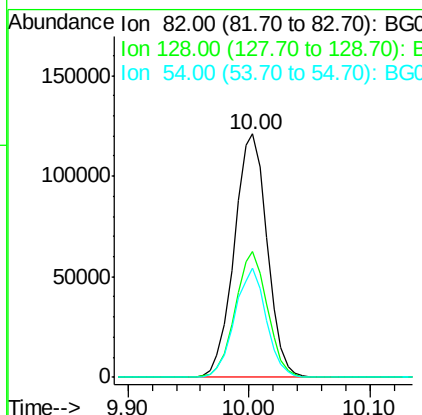
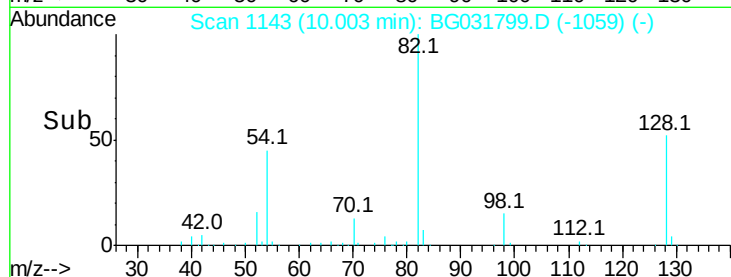
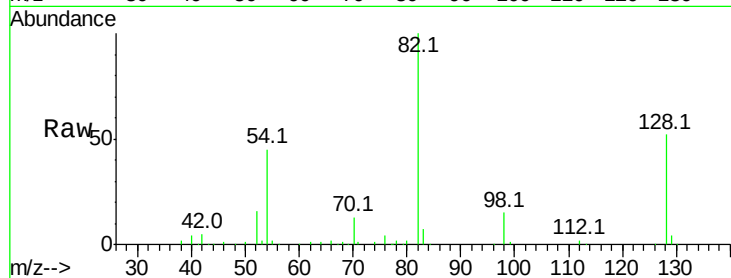
Tot Ion: 82 Resp: 229736

Ion Ratio Lower Upper

82 100

128 51.7 29.7 44.5#

54 44.9 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

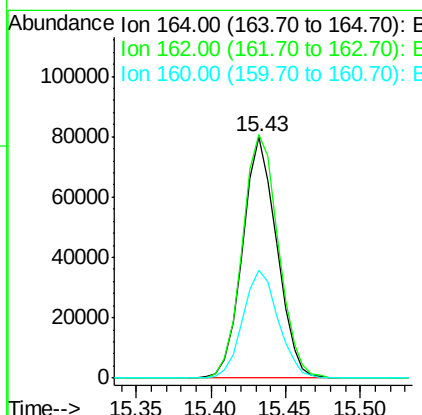
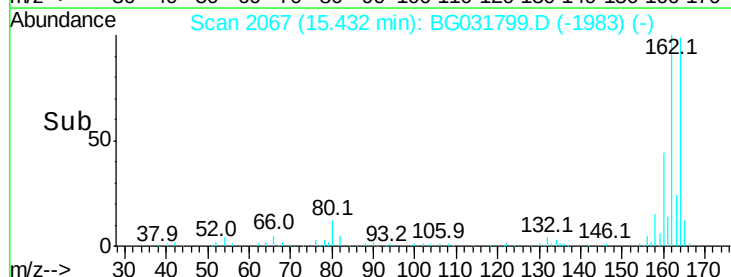
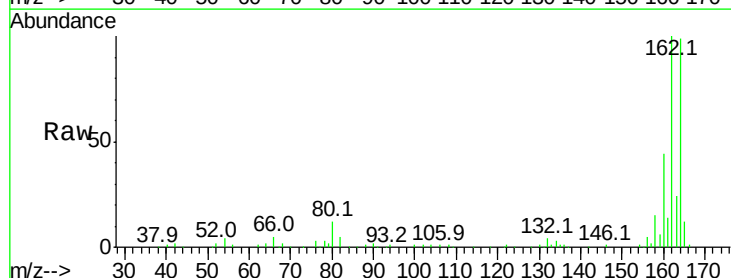
Tgt Ion:164 Resp: 125972

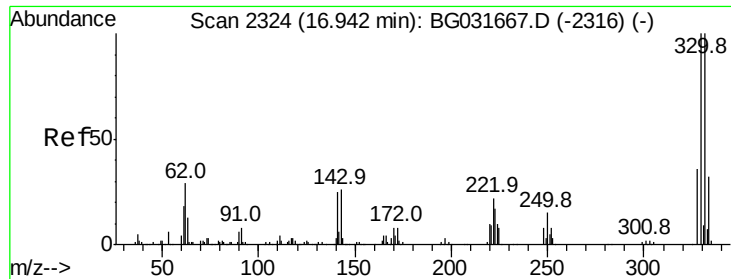
Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

160 44.7 35.4 53.0

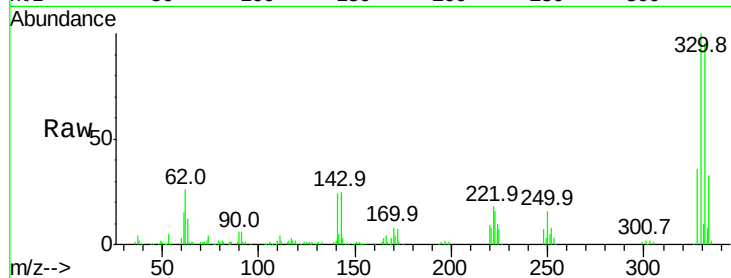




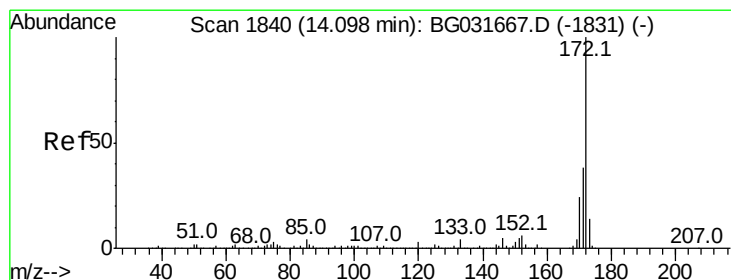
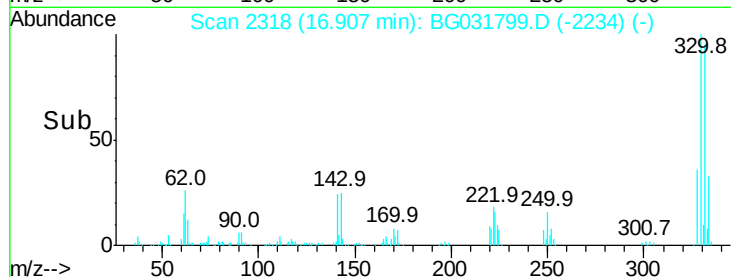
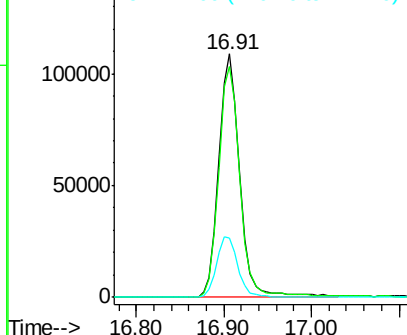
#41  
 2,4,6-Tribromophenol  
 Concen: 94.687 ng  
 RT: 16.91 min Scan# 2318  
 Delta R.T. -0.03 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 25.1  | 25.2  | 37.8# |

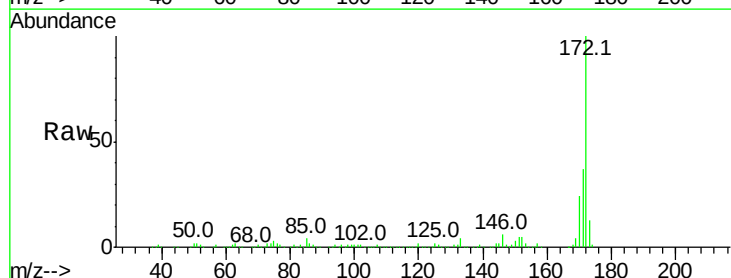


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

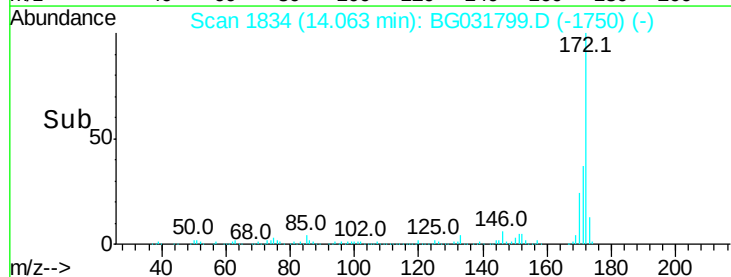
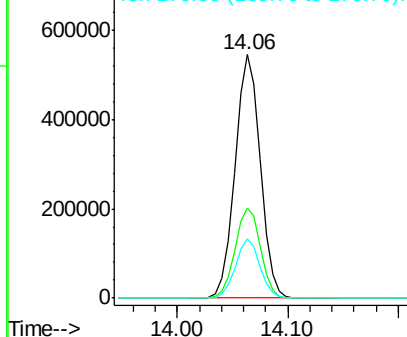


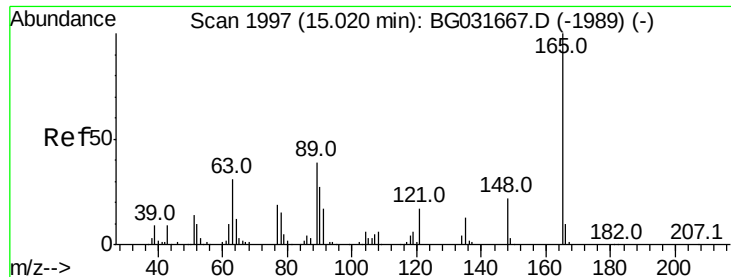
#44  
 2-Fluorobiphenyl  
 Concen: 86.993 ng  
 RT: 14.06 min Scan# 1834  
 Delta R.T. -0.03 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 30.0  | 45.0  |
| 170     | 24.2  | 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

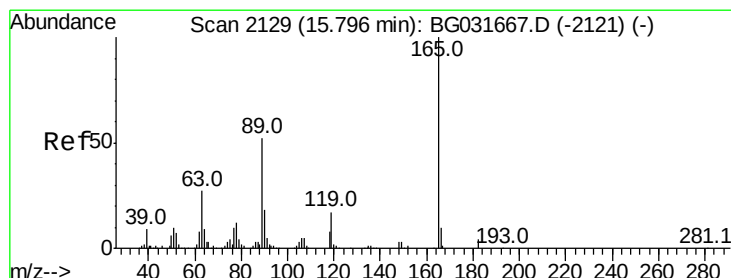
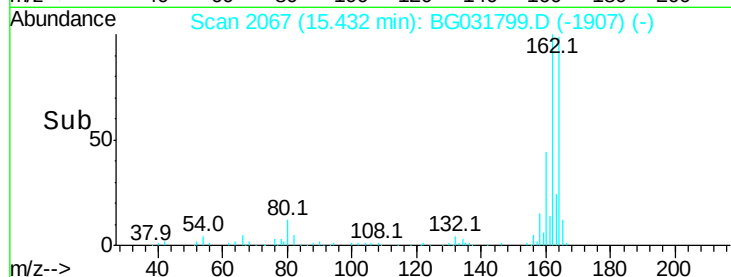
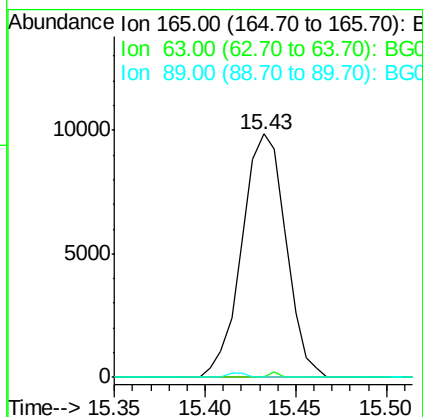
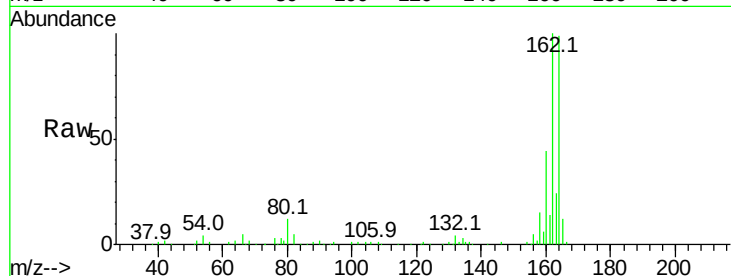




#50  
 2,6-Dinitrotoluene  
 Concen: 8.134 ng  
 RT: 15.43 min Scan# 2067  
 Delta R.T. 0.41 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

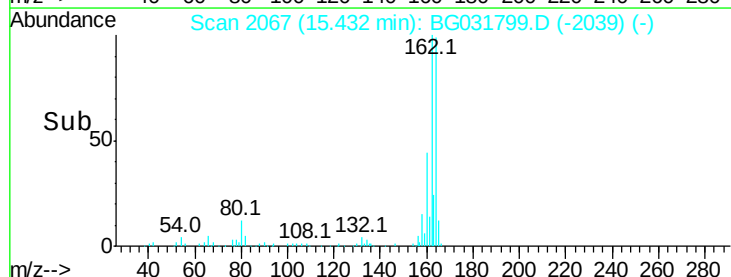
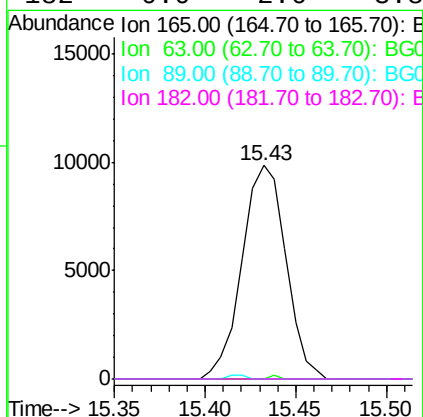
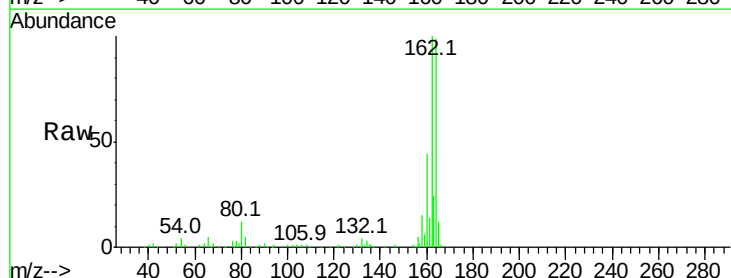
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |

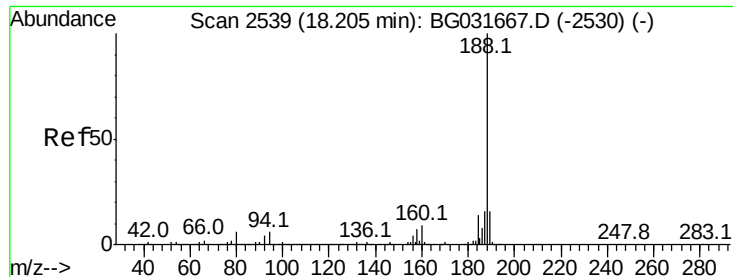


#56  
 2,4-Dinitrotoluene  
 Concen: 6.325 ng  
 RT: 15.43 min Scan# 2067  
 Delta R.T. -0.36 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

| Tgt 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#   |



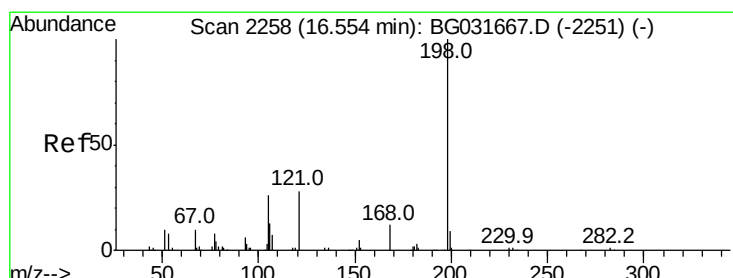
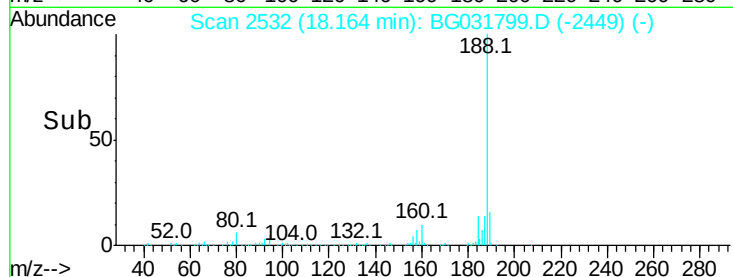
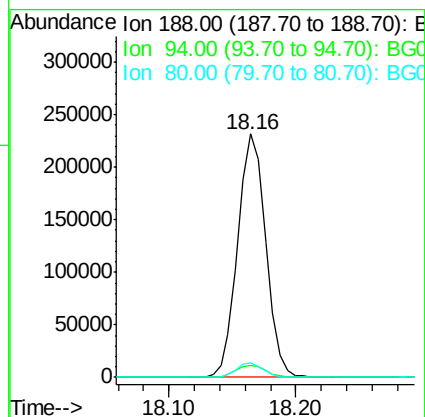
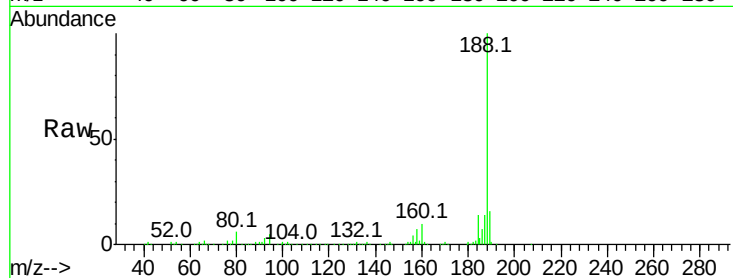




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.16 min Scan# 2532  
Delta R.T. -0.04 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

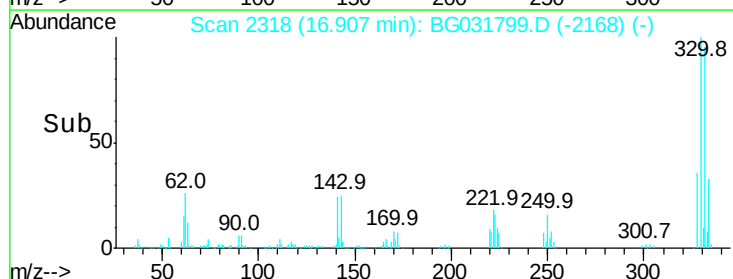
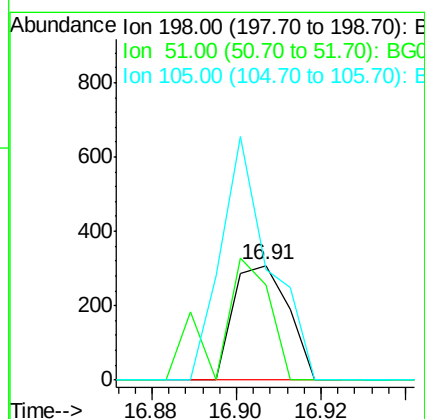
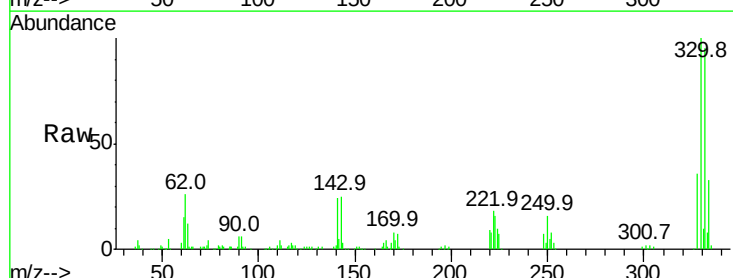
Instrument :  
BNA\_G  
ClientSampleId :

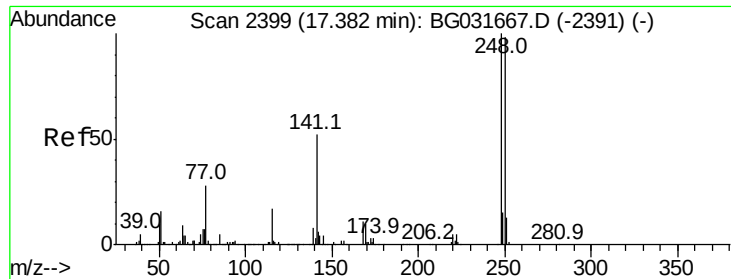
Tot Ion:188 Resp: 354864  
Ion Ratio Lower Upper  
188 100  
94 5.0 6.9 10.3#  
80 6.1 7.7 11.5#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.438 ng  
RT: 16.91 min Scan# 2318  
Delta R.T. 0.35 min  
Lab File: BG031799.D  
Acq: 27 Dec 2017 16:44

Tgt Ion:198 Resp: 277  
Ion Ratio Lower Upper  
198 100  
51 82.8 30.6 70.6#  
105 96.1 23.8 63.8#

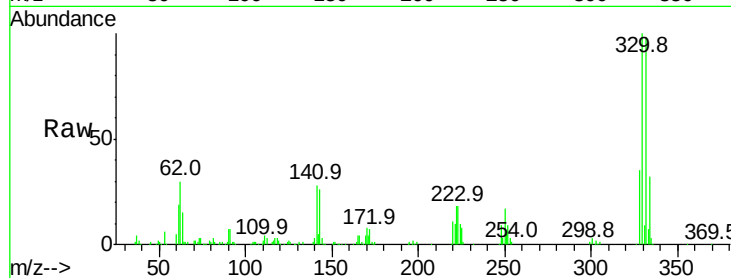




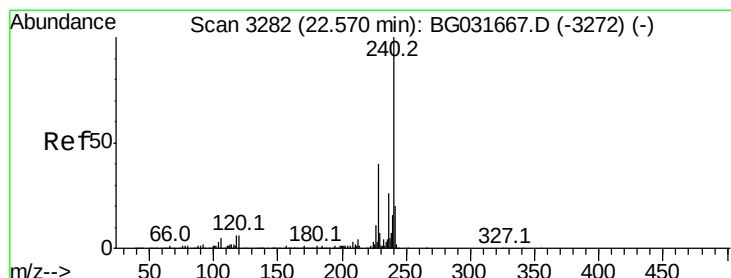
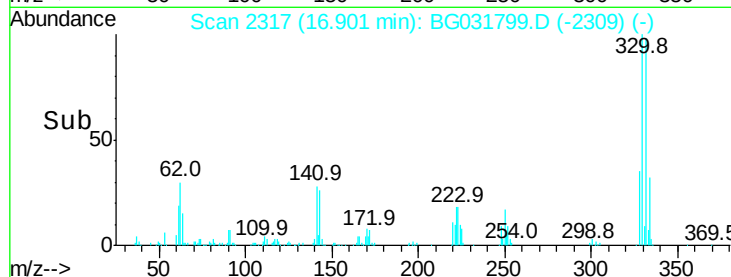
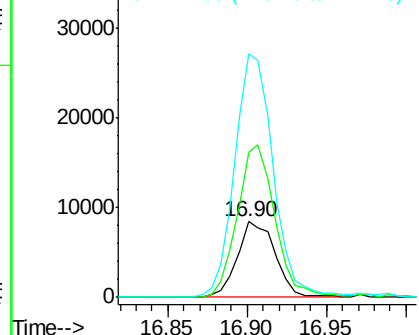
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.749 ng  
 RT: 16.90 min Scan# 2317  
 Delta R.T. -0.48 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 14106  
 Ion Ratio Lower Upper  
 248 100  
 250 192.1 77.1 115.7#  
 141 323.1 50.8 76.2#

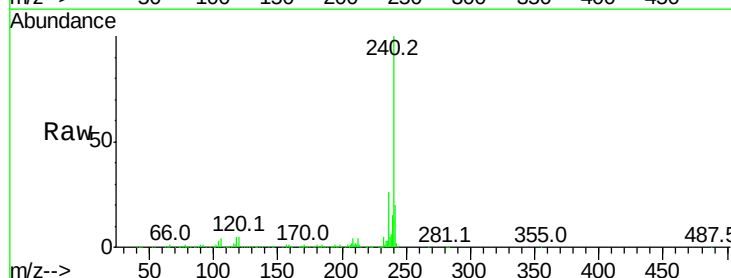


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

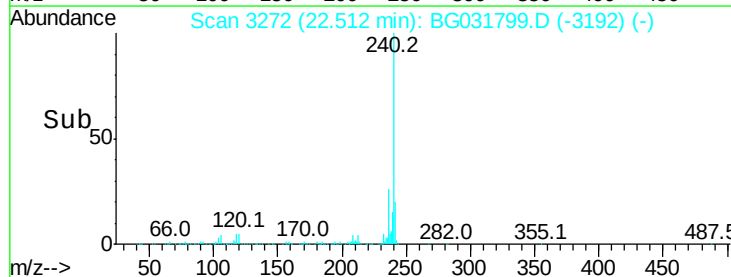
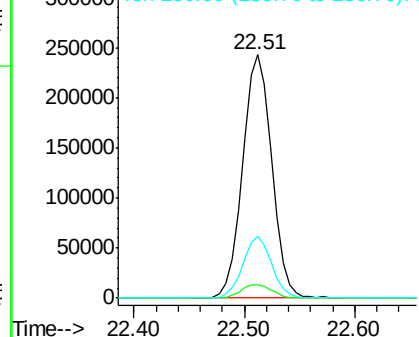


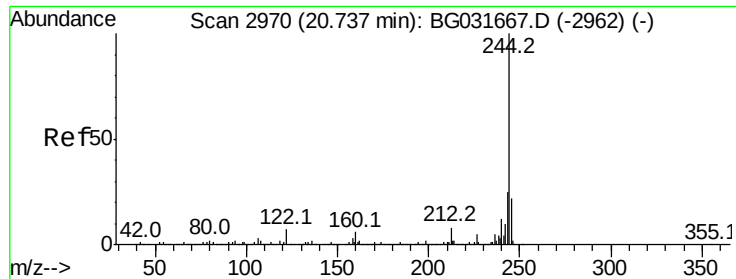
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.51 min Scan# 3272  
 Delta R.T. -0.06 min  
 Lab File: BG031799.D  
 Acq: 27 Dec 2017 16:44

Tgt Ion:240 Resp: 451095  
 Ion Ratio Lower Upper  
 240 100  
 120 5.4 6.8 10.2#  
 236 25.5 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





#78

Terphenyl-d14

Concen: 86.849 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

Instrument :

BNA\_G

ClientSampleId :

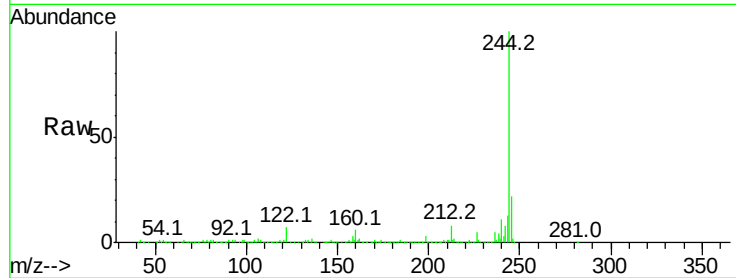
Tot Ion:244 Resp: 1714791

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

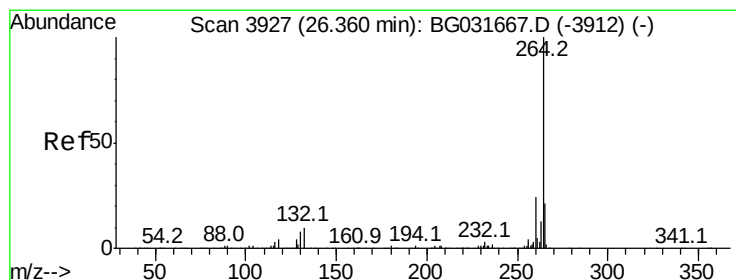
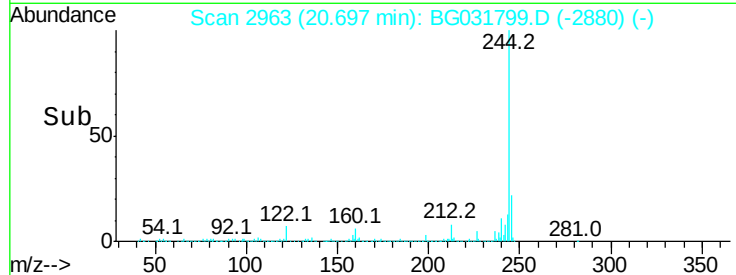
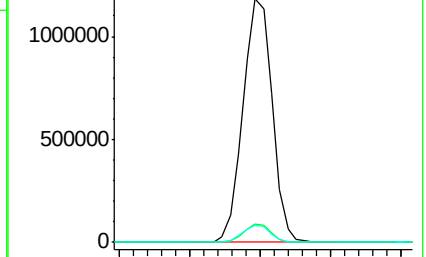
122 7.0 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.26 min Scan# 3910

Delta R.T. -0.10 min

Lab File: BG031799.D

Acq: 27 Dec 2017 16:44

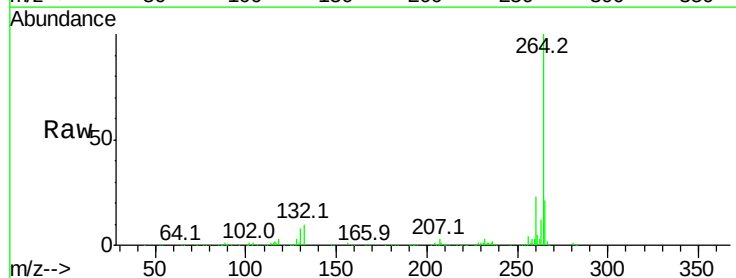
Tgt Ion:264 Resp: 477826

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 21.4 17.7 26.5



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

