

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100618\  
 Data File : BG037207.D  
 Acq On : 6 Oct 2018 2:51  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Oct 06 05:09:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

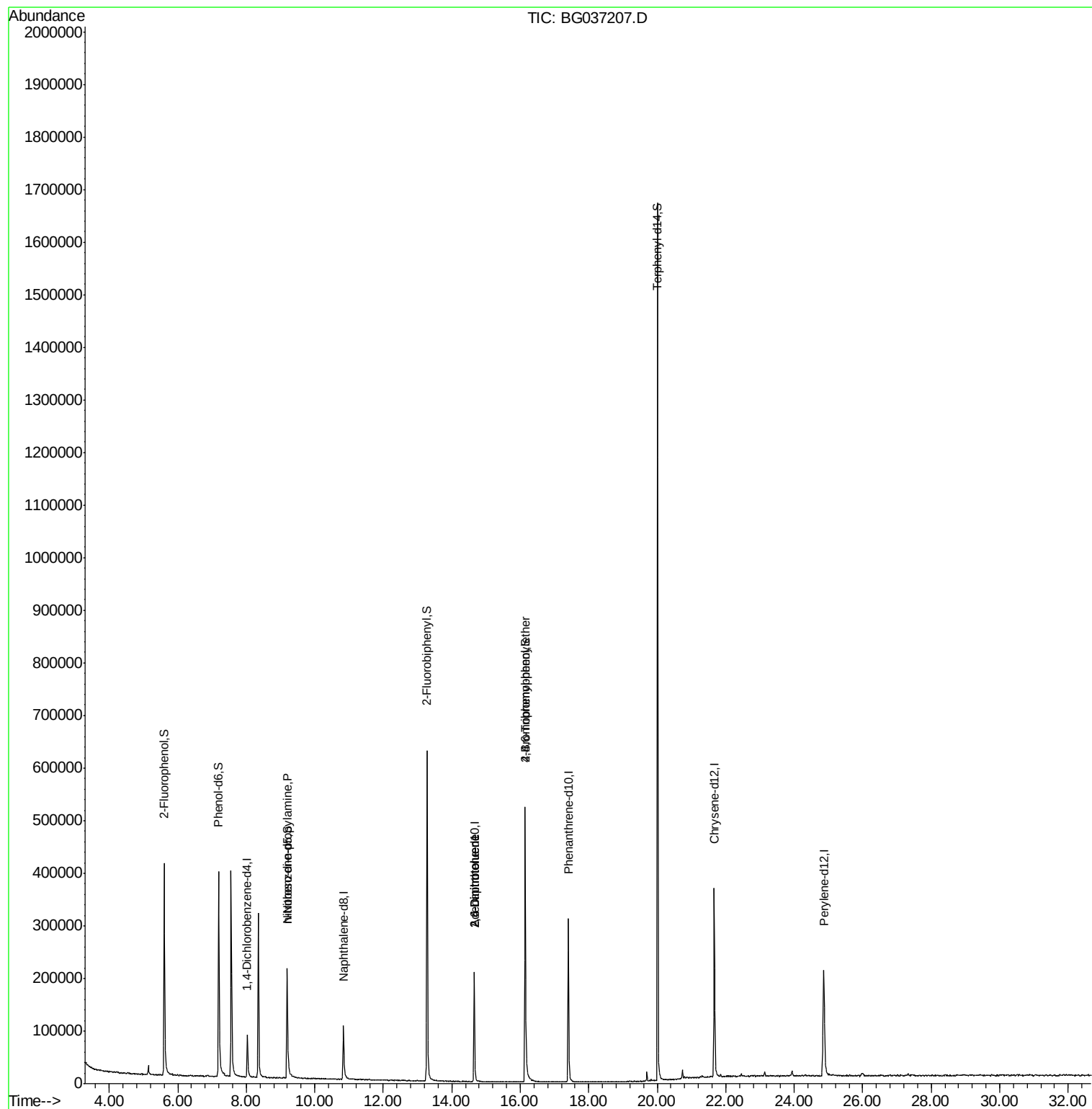
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.03  | 152  | 28537    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.84 | 136  | 117458   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 14.66 | 164  | 79677    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.40 | 188  | 233384   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.67 | 240  | 256322   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.86 | 264  | 252829   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 196554   | 132.09 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.19  | 99   | 268581   | 116.66 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 171718   | 78.29  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.14 | 330  | 110666   | 116.09 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.28 | 172  | 393290   | 73.52  | ng    | -0.02    |
| 78) Terphenyl-d14              | 20.01 | 244  | 854281   | 87.64  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 23073    | 12.047 | ng    | # 71     |
| 50) 2,6-Dinitrotoluene         | 14.66 | 165  | 9790     | 6.996  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 14.66 | 165  | 9790     | 5.014  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.14 | 248  | 7169     | 2.701  | ng    | # 1      |

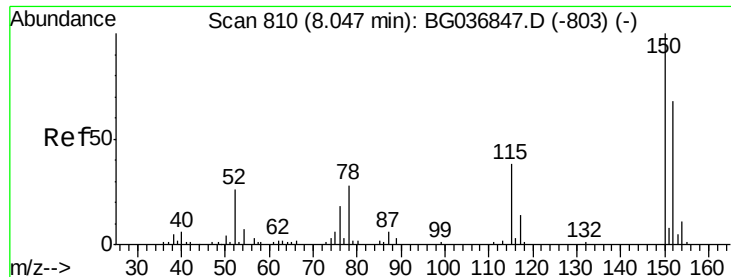
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100618\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 24 10:41:23 2018  
Response via : Initial Calibration



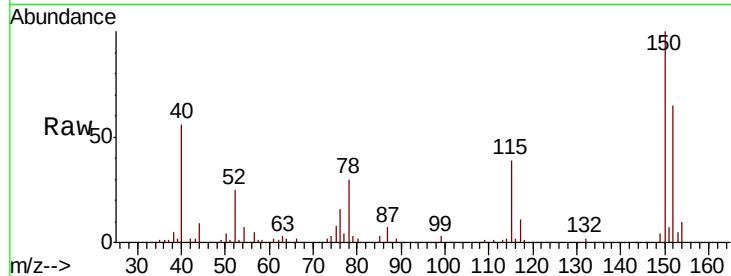


#1

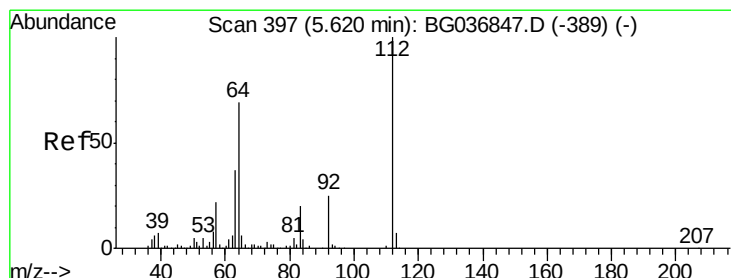
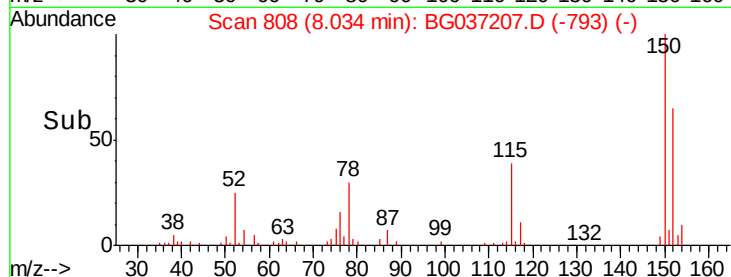
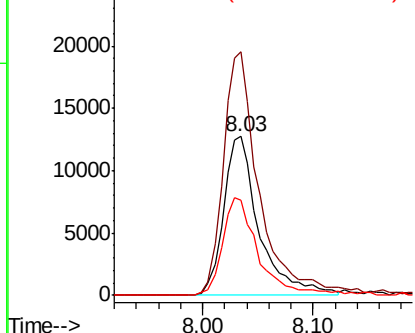
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:152 Resp: 28537  
Ion Ratio Lower Upper  
152 100  
150 153.3 119.5 179.3  
115 59.5 44.5 66.7



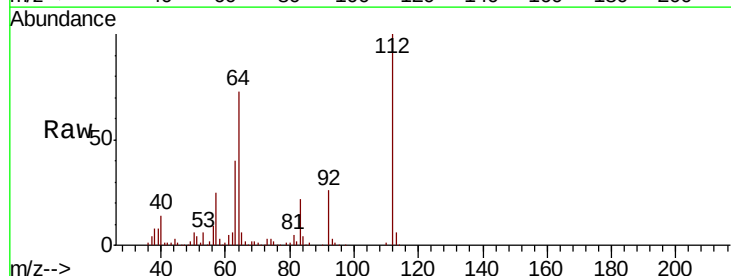
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



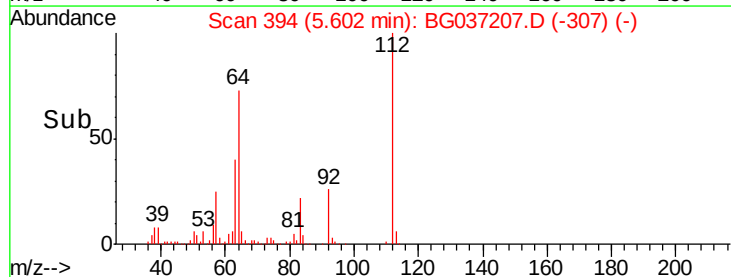
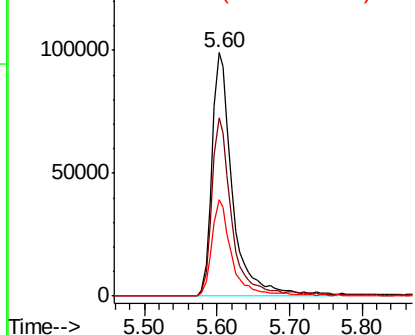
#5

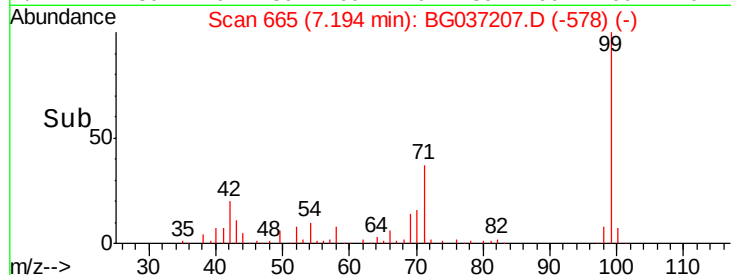
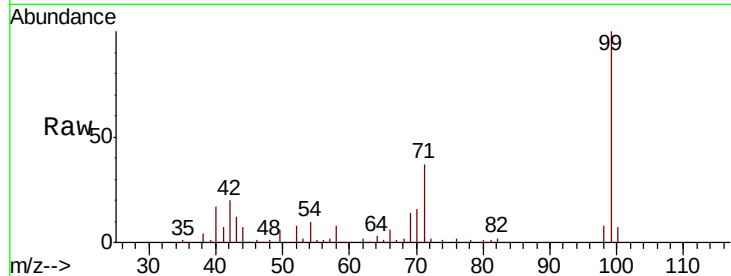
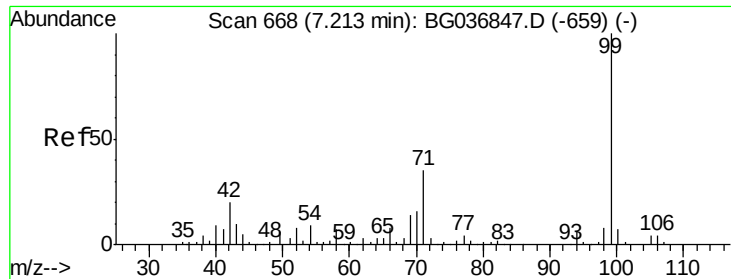
2-Fluorophenol  
Concen: 132.091 ng  
RT: 5.60 min Scan# 394  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

Tgt Ion:112 Resp: 196554  
Ion Ratio Lower Upper  
112 100  
64 73.4 57.2 85.8  
63 39.7 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.662 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

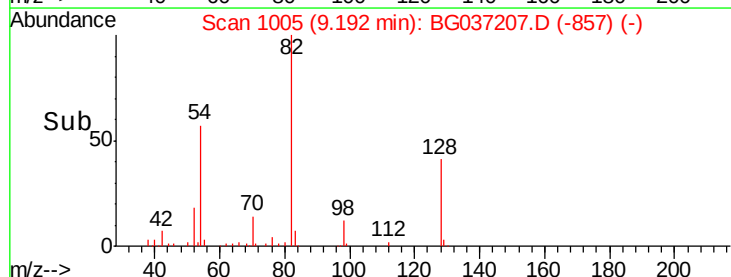
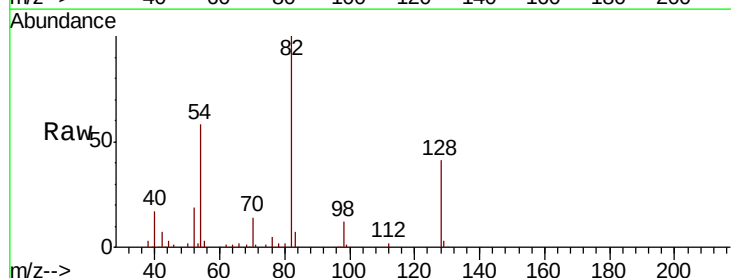
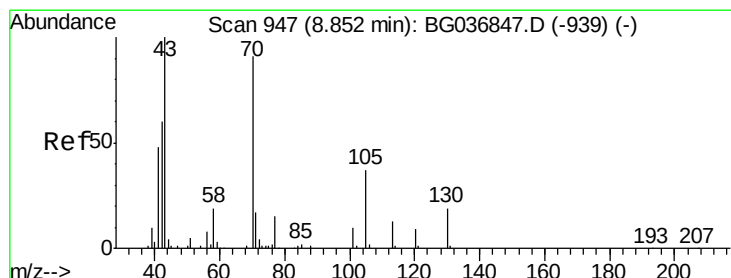
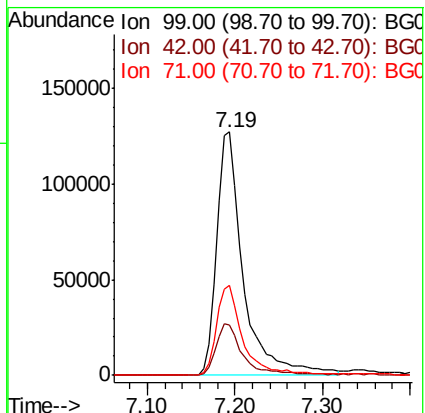
Tgt Ion: 99 Resp: 268581

Ion Ratio Lower Upper

99 100

42 20.5 16.5 24.7

71 37.2 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.047 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

Tgt Ion: 70 Resp: 23073

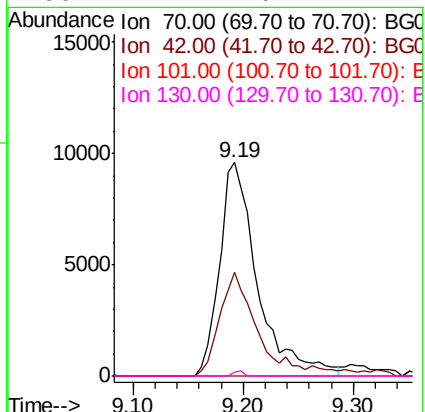
Ion Ratio Lower Upper

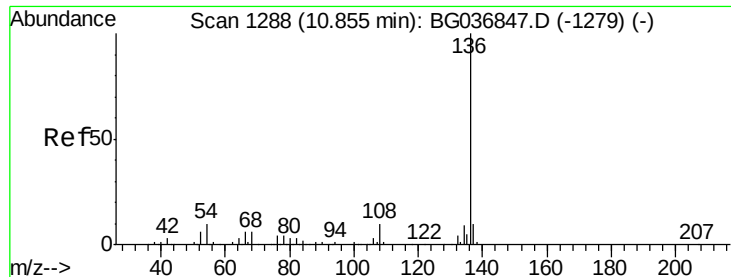
70 100

42 48.6 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 16.2 24.2#

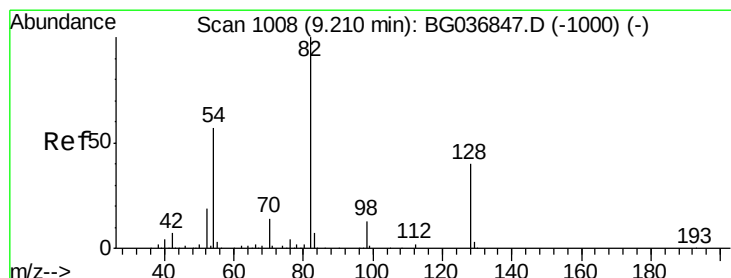
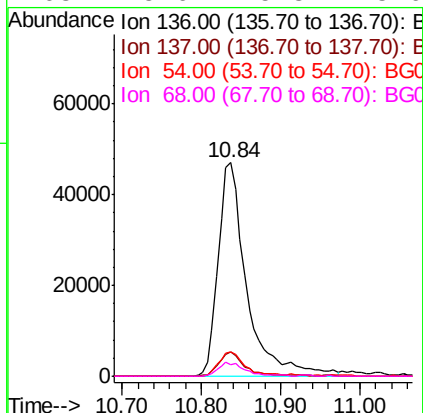
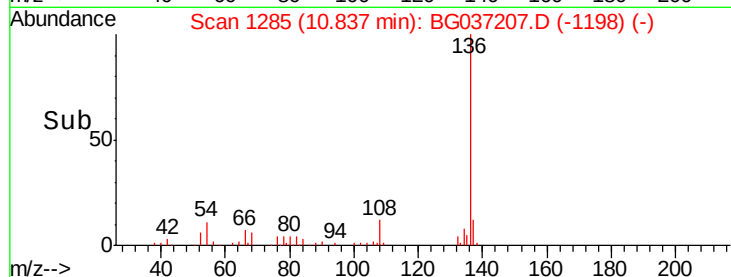
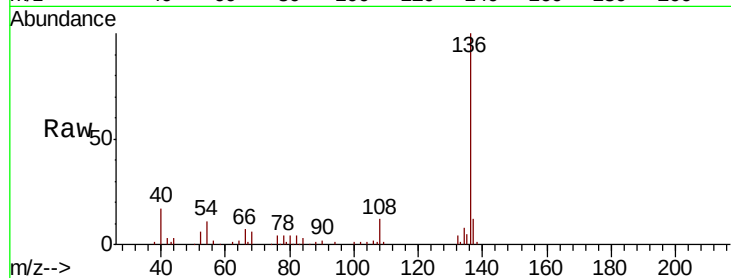




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1285  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

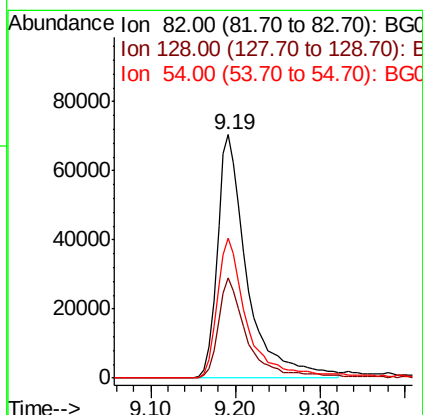
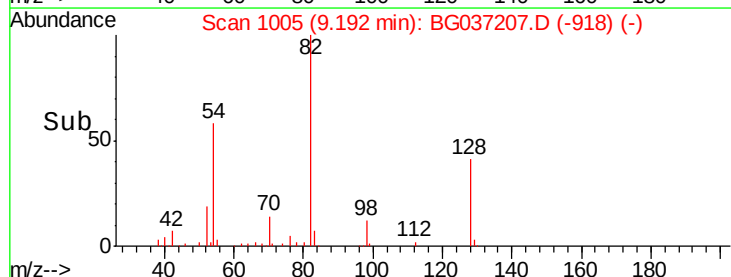
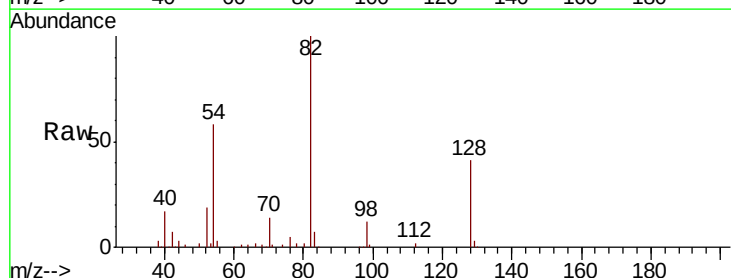
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

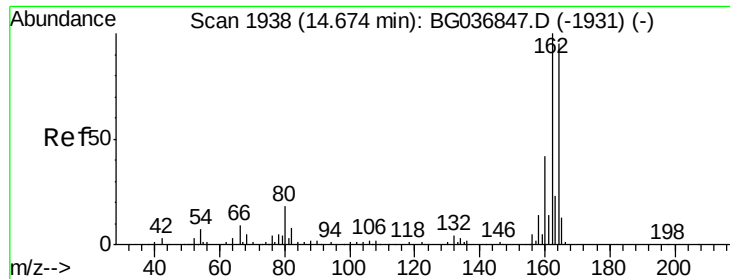
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 117458 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.8   | 13.2   |
| 54       | 11.4  | 9.2   | 13.8   |
| 68       | 5.6   | 5.8   | 8.6#   |



#23  
Nitrobenzene-d5  
Concen: 78.289 ng  
RT: 9.19 min Scan# 1005  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 171718 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.0  | 33.3  | 49.9   |
| 54       | 57.6  | 45.1  | 67.7   |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

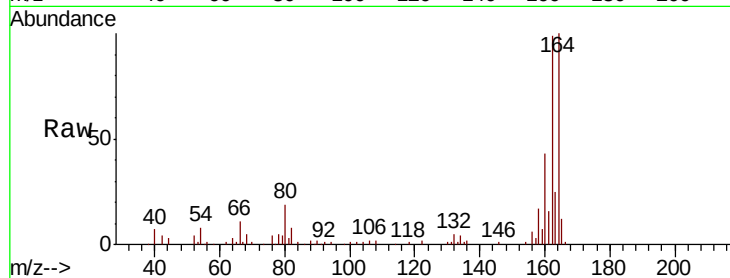
Tgt Ion:164 Resp: 79677

Ion Ratio Lower Upper

164 100

162 98.8 80.7 121.1

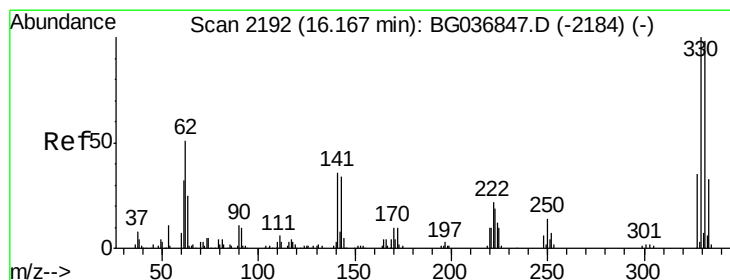
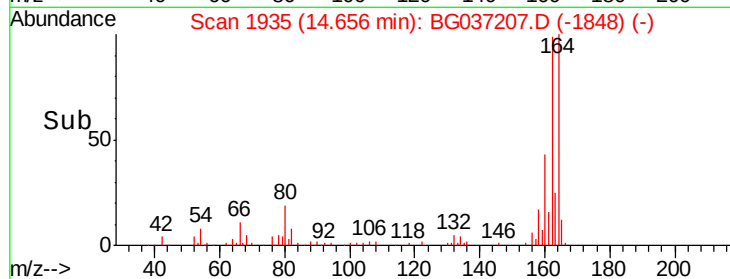
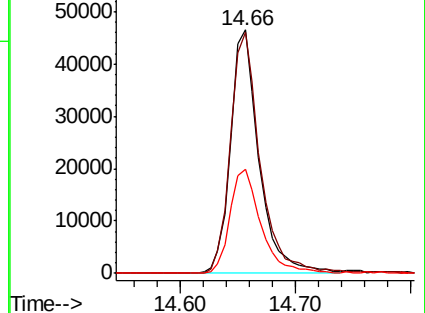
160 42.8 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 116.089 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

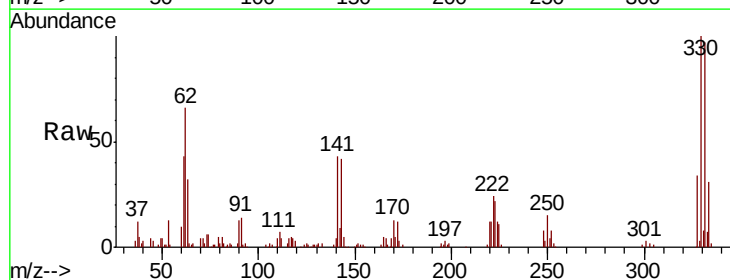
Tgt Ion:330 Resp: 110666

Ion Ratio Lower Upper

330 100

332 99.0 75.4 113.2

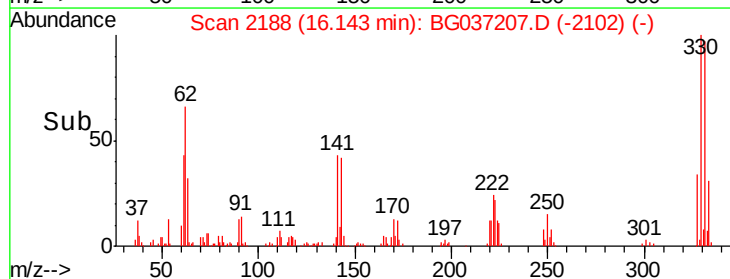
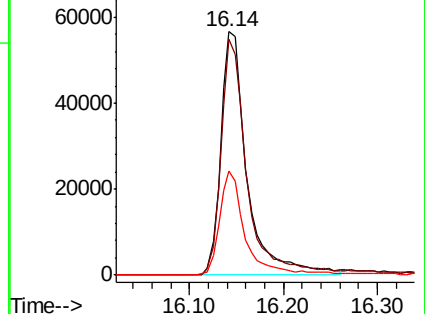
141 39.8 30.7 46.1

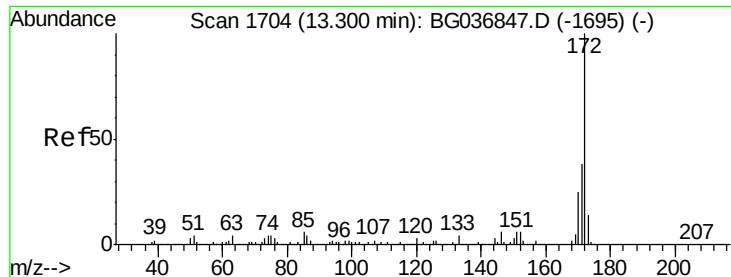


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

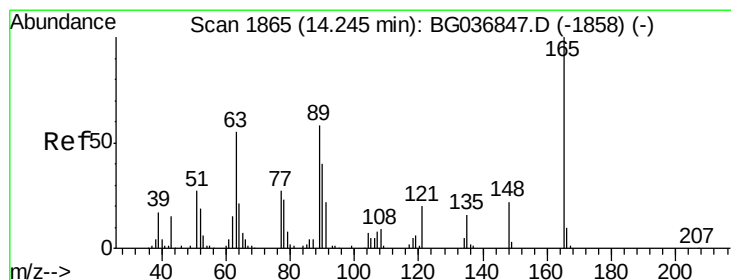
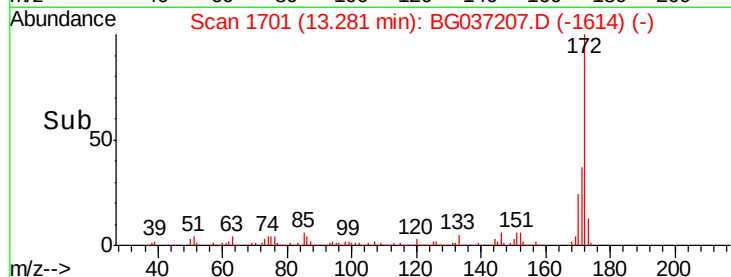
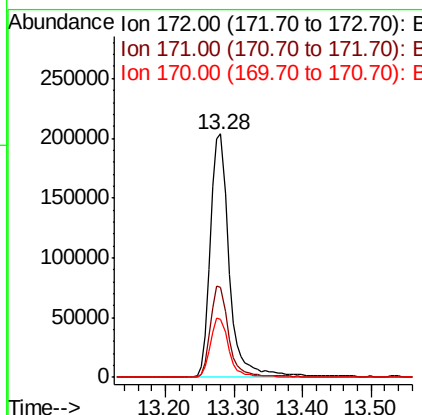
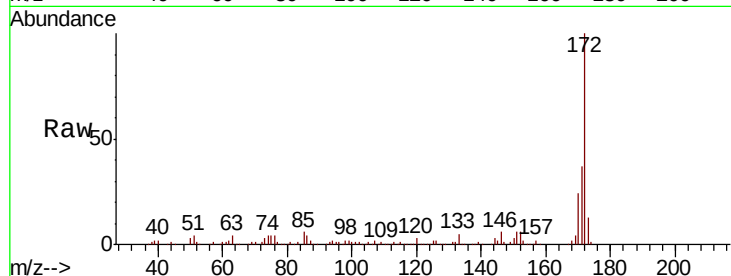




#44  
2-Fluorobiphenyl  
Concen: 73.517 ng  
RT: 13.28 min Scan# 1701  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

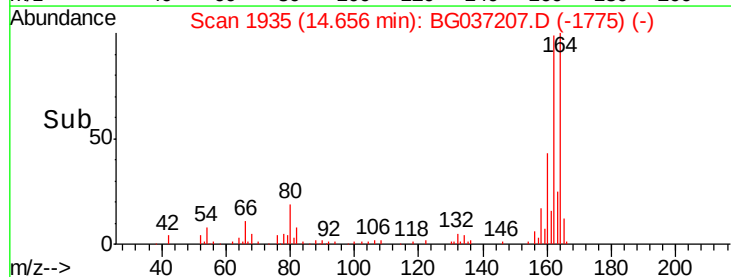
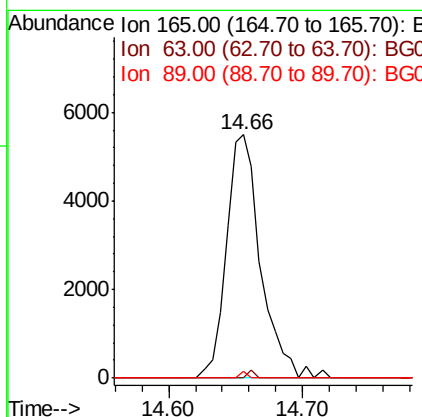
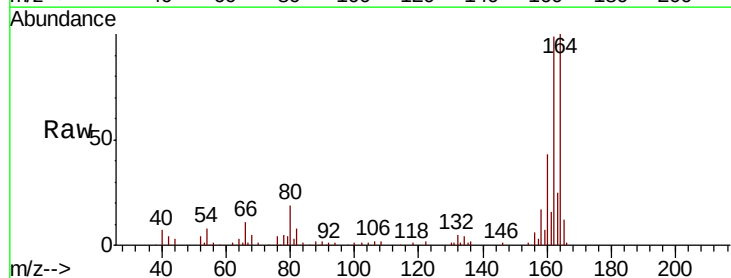
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

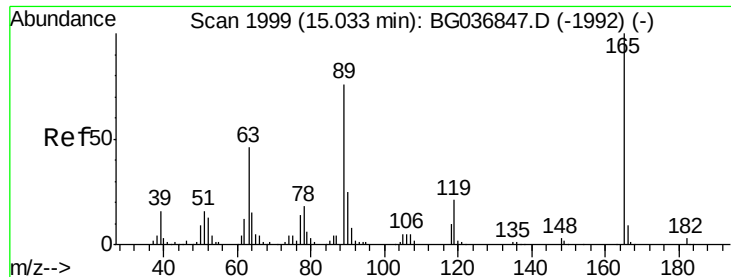
Tgt Ion:172 Resp: 393290  
Ion Ratio Lower Upper  
172 100  
171 36.9 31.3 46.9  
170 23.7 21.0 31.6



#50  
2,6-Dinitrotoluene  
Concen: 6.996 ng  
RT: 14.66 min Scan# 1935  
Delta R.T. 0.41 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

Tgt Ion:165 Resp: 9790  
Ion Ratio Lower Upper  
165 100  
63 0.0 50.1 75.1#  
89 3.0 47.8 71.6#

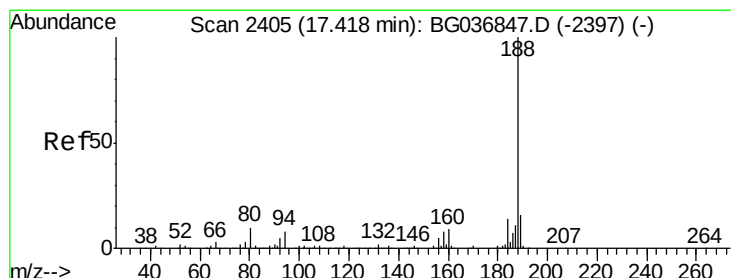
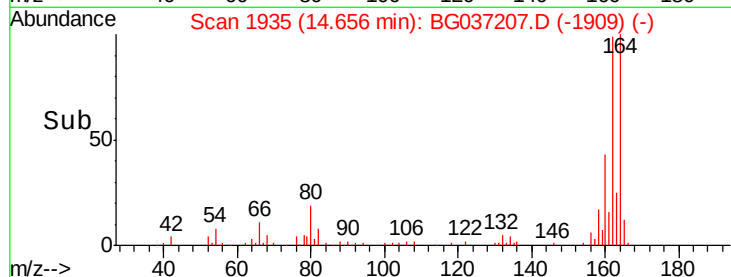
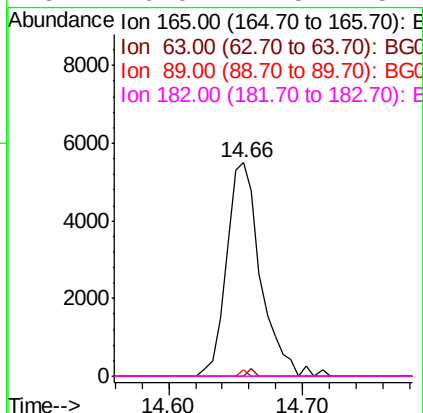
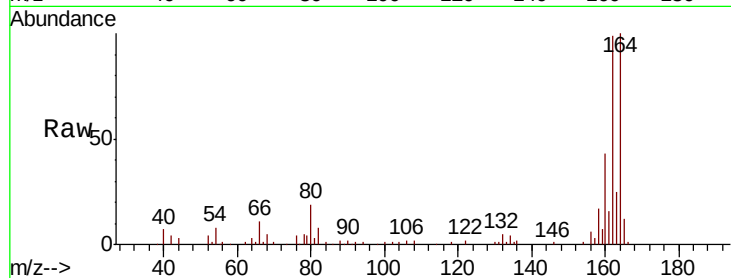




#56  
2,4-Dinitrotoluene  
Concen: 5.014 ng  
RT: 14.66 min Scan# 1935  
Delta R.T. -0.38 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

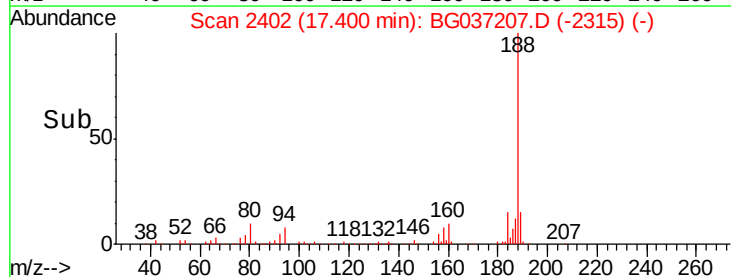
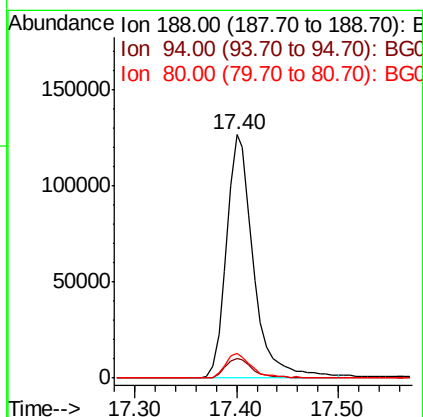
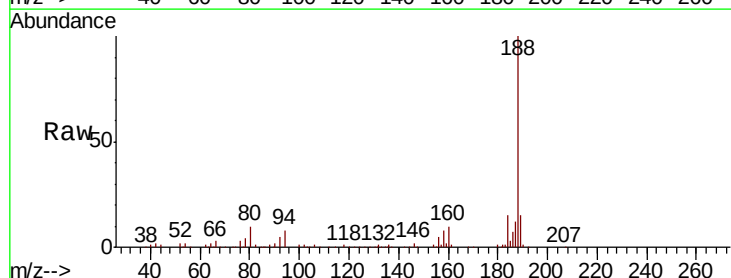
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 9790  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 40.1  | 60.1# |
| 89       | 3.0   | 63.7  | 95.5# |
| 182      | 0.0   | 2.5   | 3.7#  |

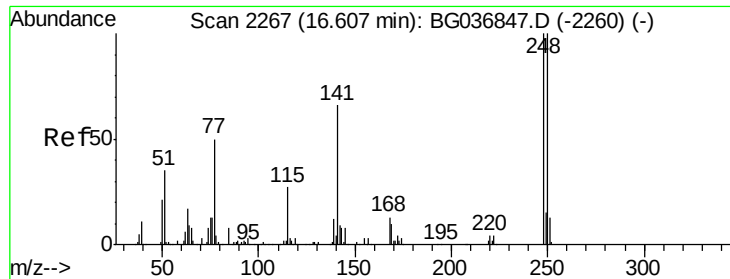


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2402  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 233384 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.3   | 6.7   | 10.1   |
| 80       | 10.1  | 8.1   | 12.1   |



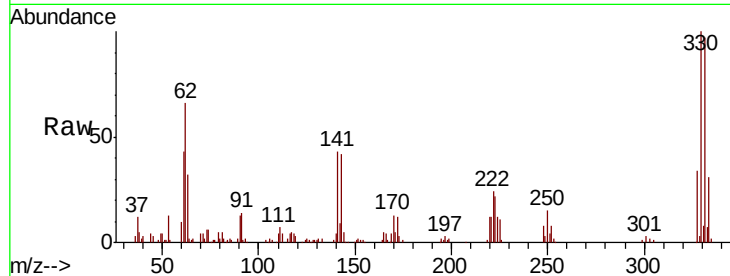




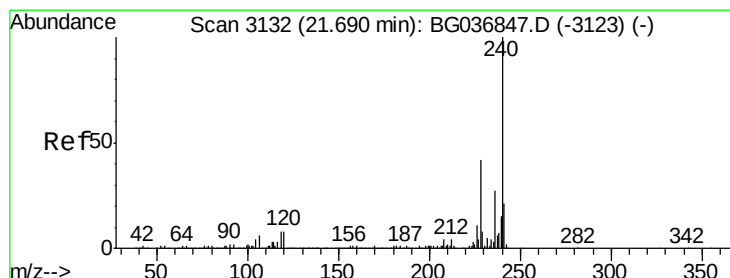
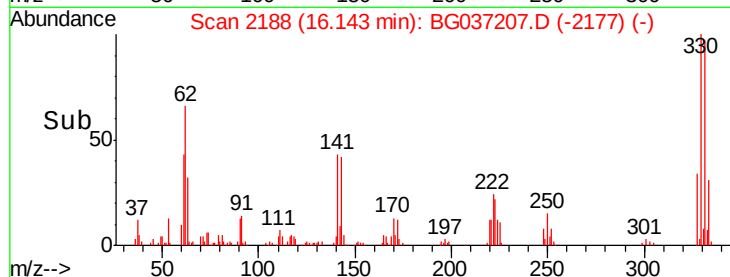
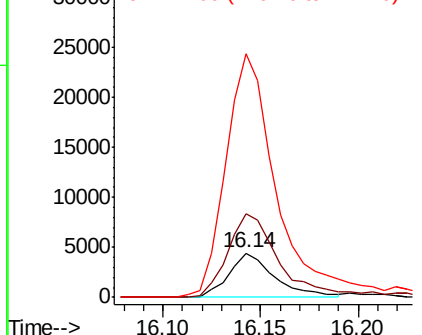
#66  
4-Bromophenyl-phenylether  
Concen: 2.701 ng  
RT: 16.14 min Scan# 2188  
Delta R.T. -0.46 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:248 Resp: 7169  
Ion Ratio Lower Upper  
248 100  
250 188.3 78.1 117.1#  
141 551.6 53.7 80.5#

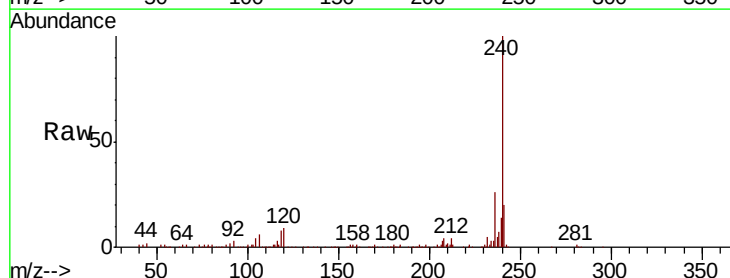


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

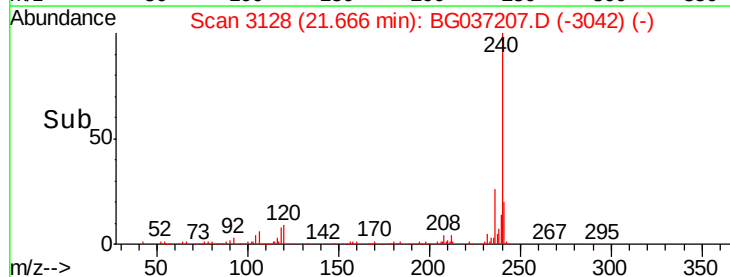
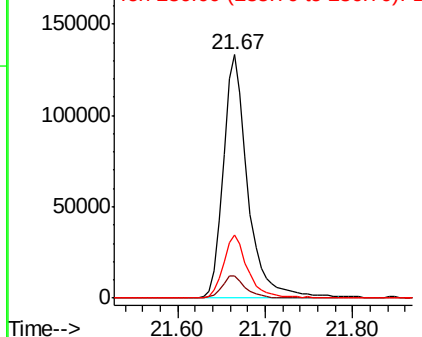


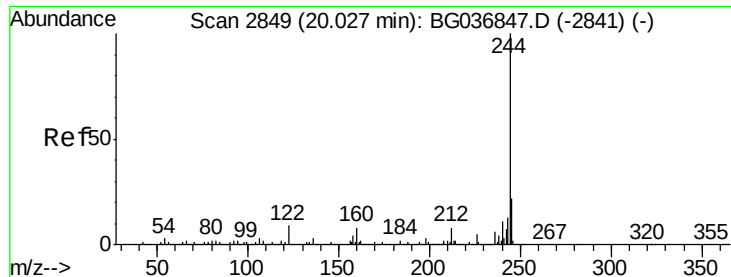
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.67 min Scan# 3128  
Delta R.T. -0.02 min  
Lab File: BG037207.D  
Acq: 6 Oct 2018 2:51

Tgt Ion:240 Resp: 256322  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.9 10.3  
236 25.8 21.2 31.8



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: 87.637 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

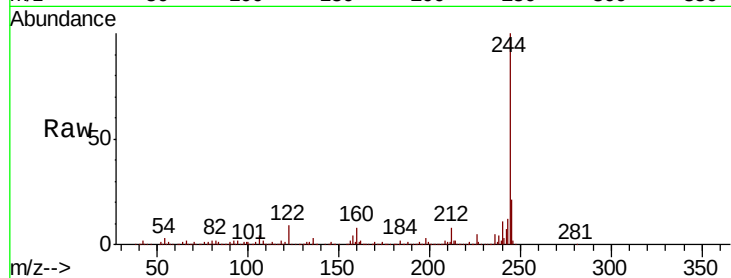
Tgt Ion:244 Resp: 854281

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

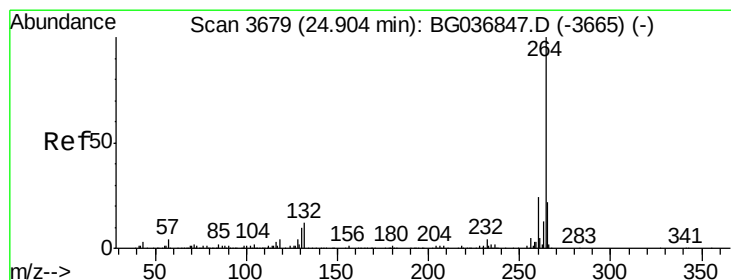
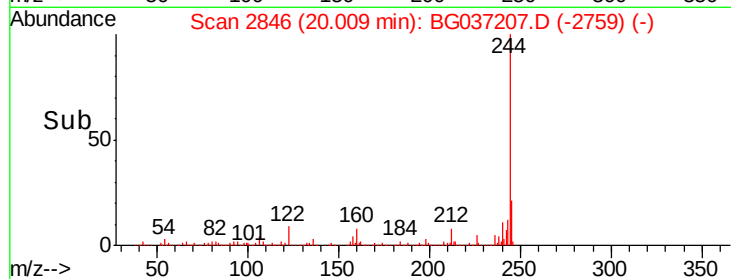
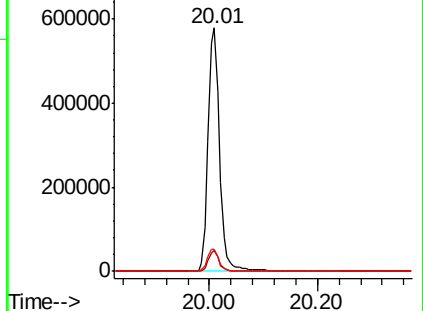
122 9.0 7.1 10.7



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: 24.86 min Scan# 3671

Delta R.T. -0.05 min

Lab File: BG037207.D

Acq: 6 Oct 2018 2:51

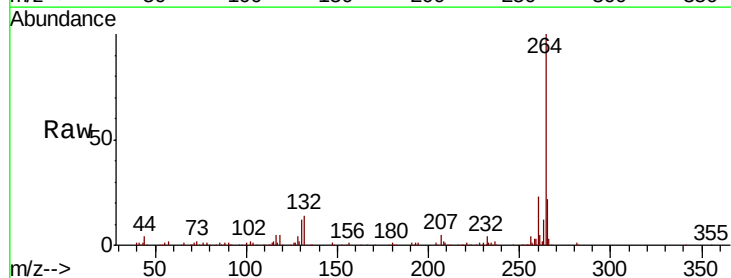
Tgt Ion:264 Resp: 252829

Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 22.3 17.4 26.0



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

