

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\  
 Data File : BG040046.D  
 Acq On : 20 Mar 2019 21:44  
 Operator : JU/SJ  
 Sample : K1935-07RE  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 21 09:29:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

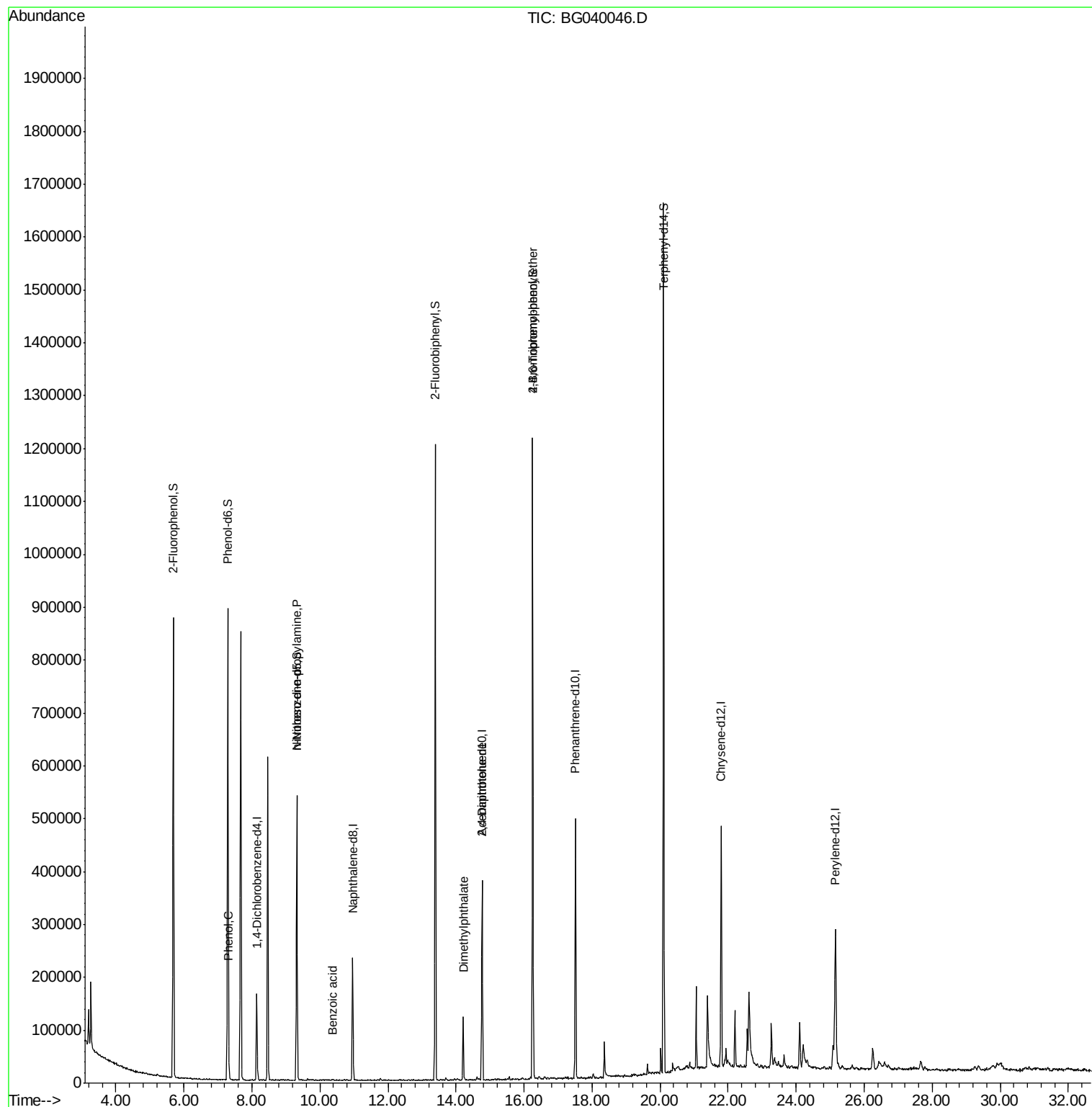
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.14  | 152  | 44598    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 10.96 | 136  | 196930   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 14.77 | 164  | 133704   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.51 | 188  | 300788   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.79 | 240  | 282576   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 25.15 | 264  | 283108   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.69  | 112  | 354032   | 135.43 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.29  | 99   | 515865   | 132.34 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.32  | 82   | 325987   | 89.53  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 16.25 | 330  | 205188   | 131.66 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.39 | 172  | 641346   | 68.30  | ng    | -0.03    |
| 79) Terphenyl-d14              | 20.10 | 244  | 764205   | 59.55  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.32  | 94   | 14879    | 3.524  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 9.32  | 70   | 42328    | 15.087 | ng    | # 67     |
| 32) Benzoic acid               | 10.39 | 122  | 417      | 6.781  | ng    | # 15     |
| 50) Dimethylphthalate          | 14.21 | 163  | 80452    | 7.196  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.77 | 165  | 16837    | 5.056  | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether  | 16.25 | 248  | 15513    | 4.608  | ng    | # 1      |

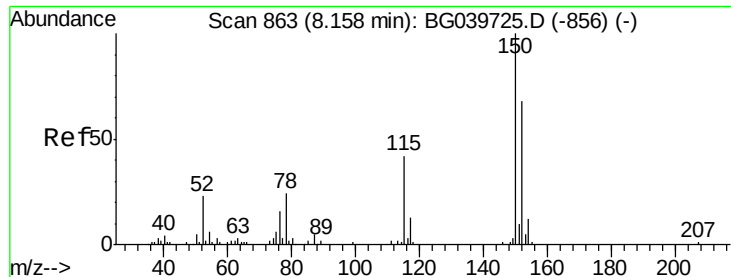
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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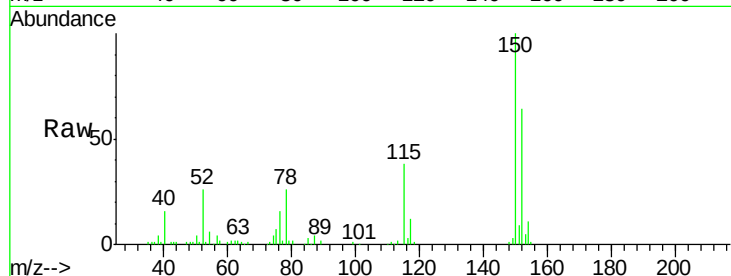


#1

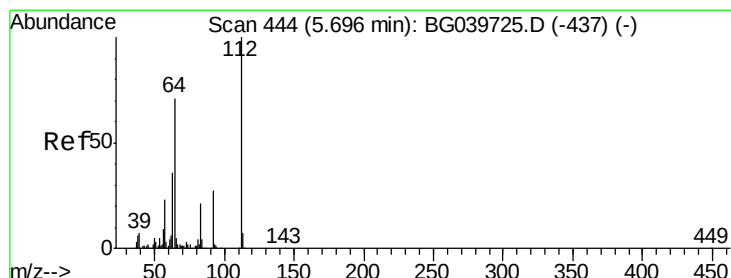
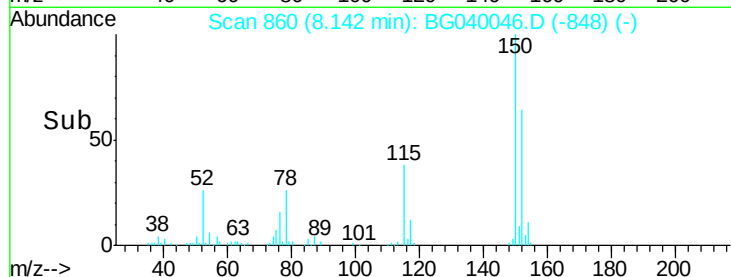
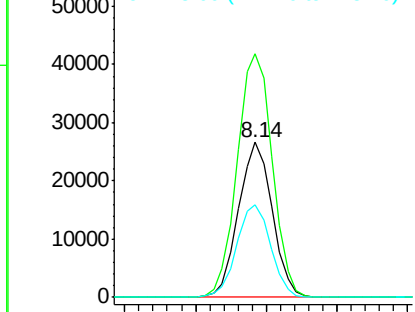
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.14 min Scan# 860  
Delta R.T. -0.03 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 44598  
Ion Ratio Lower Upper  
152 100  
150 157.2 123.7 185.5  
115 59.9 45.9 68.9



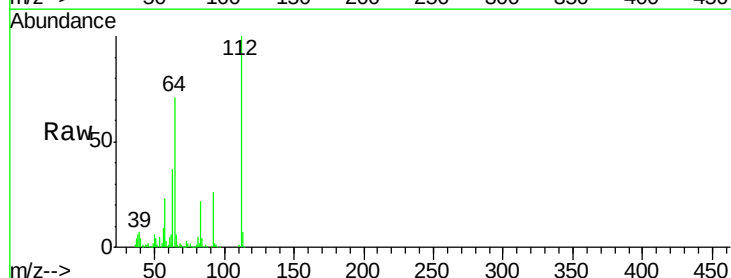
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



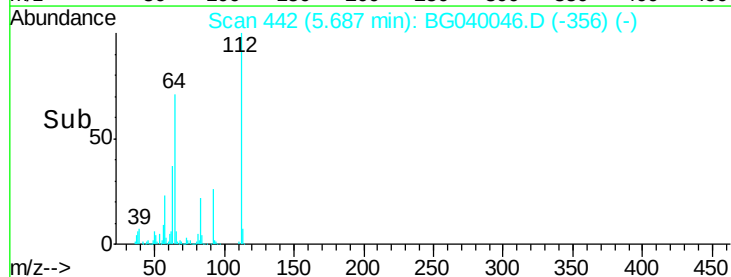
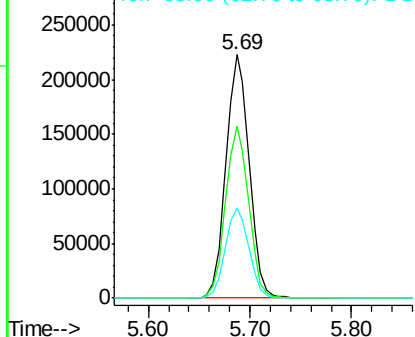
#5

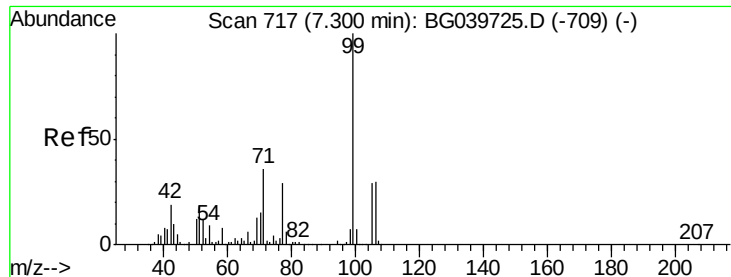
2-Fluorophenol  
Concen: 135.428 ng  
RT: 5.69 min Scan# 442  
Delta R.T. -0.02 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

Tgt Ion:112 Resp: 354032  
Ion Ratio Lower Upper  
112 100  
64 70.7 57.8 86.8  
63 36.9 29.8 44.6



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: 132.345 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040046.D

Acq: 20 Mar 2019 21:44

Instrument :

BNA\_G

ClientSampleId :

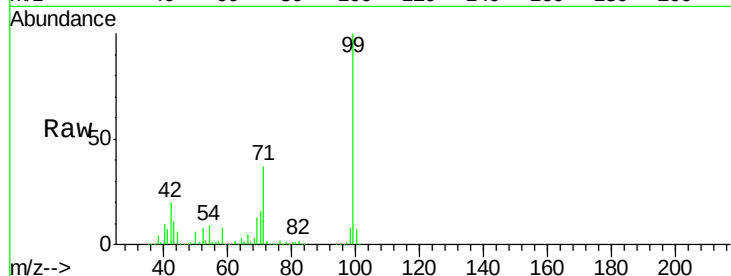
Tot Ion: 99 Resp: 515865

Ion Ratio Lower Upper

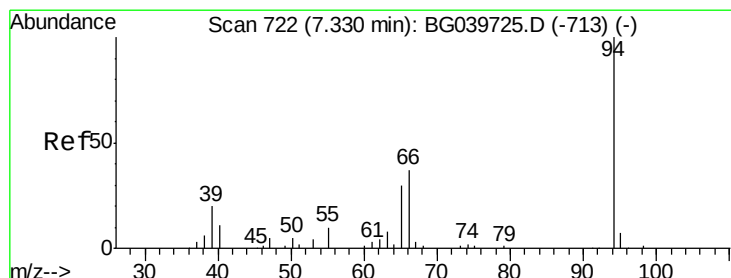
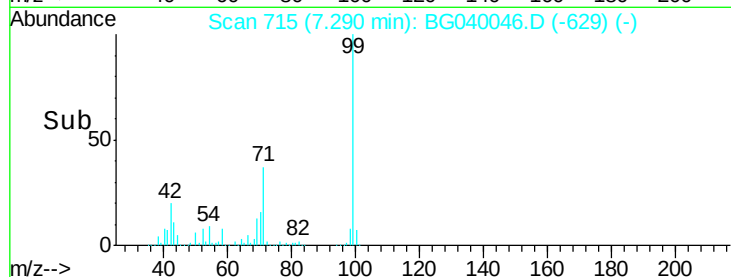
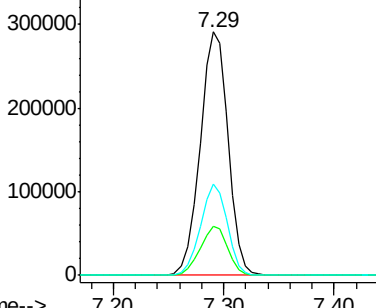
99 100

42 20.3 18.2 27.2

71 37.3 28.0 42.0



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



#10

Phenol

Concen: 3.524 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040046.D

Acq: 20 Mar 2019 21:44

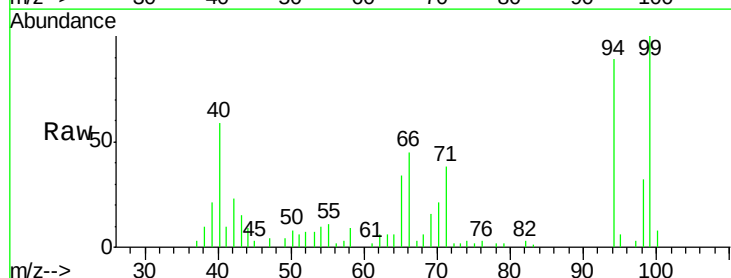
Tgt Ion: 94 Resp: 14879

Ion Ratio Lower Upper

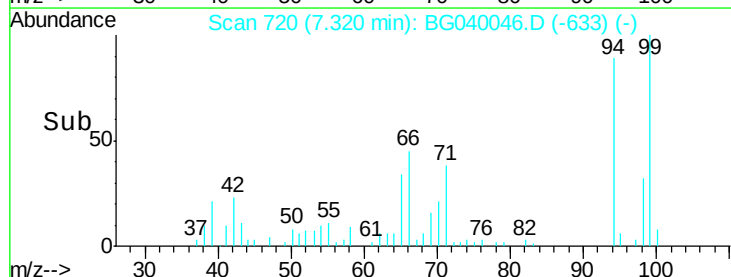
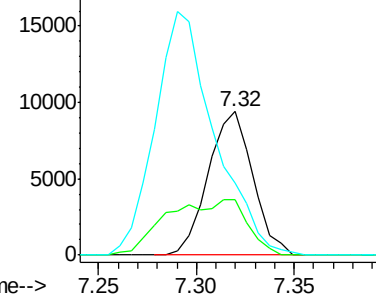
94 100

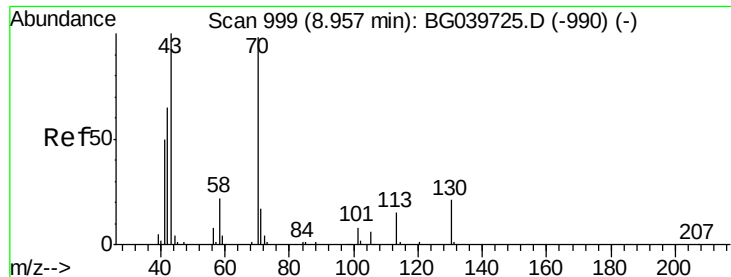
65 38.8 11.7 51.7

66 50.2 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

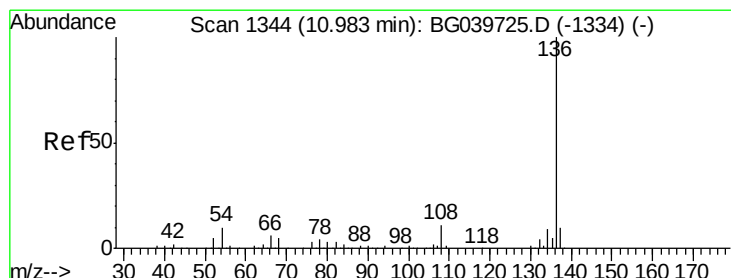
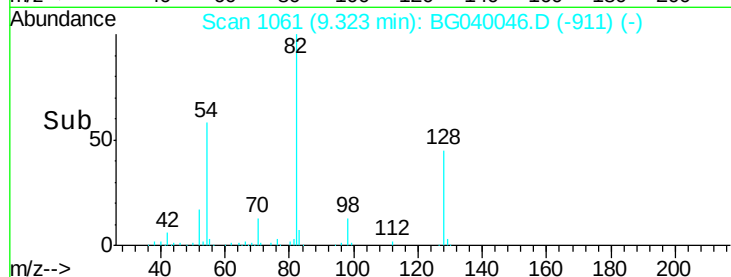
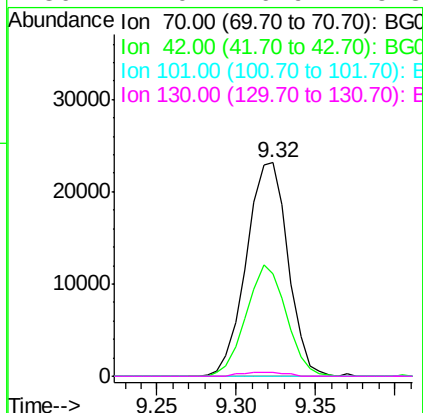
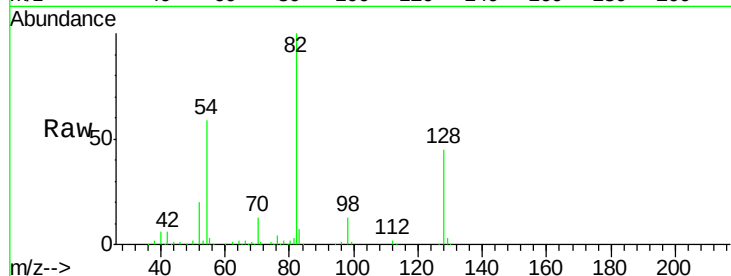




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.087 ng  
RT: 9.32 min Scan# 1061  
Delta R.T. 0.35 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

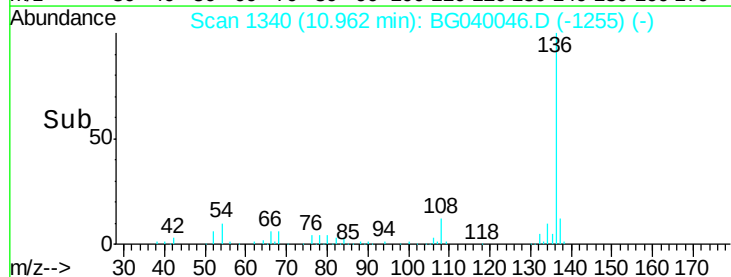
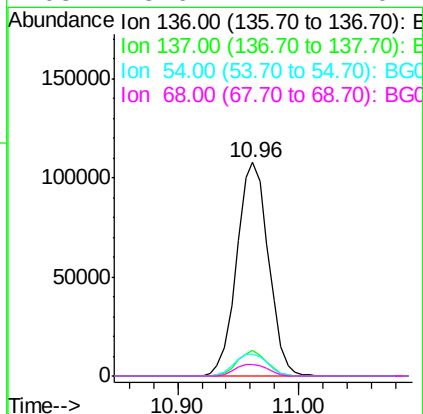
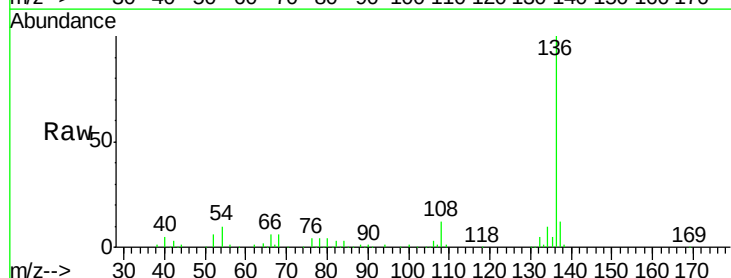
Instrument :  
BNA\_G  
ClientSampleId :

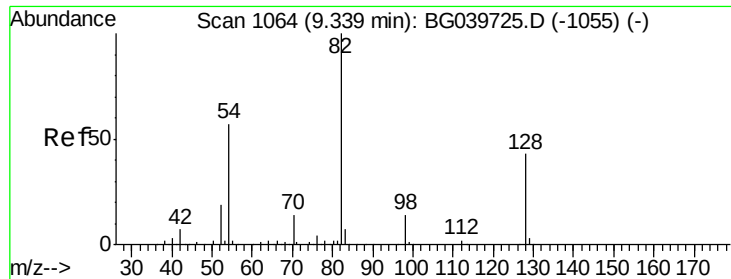
Tot Ion: 70 Resp: 42328  
Ion Ratio Lower Upper  
70 100  
42 48.2 60.4 90.6#  
101 0.0 7.5 11.3#  
130 2.0 16.9 25.3#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.96 min Scan# 1340  
Delta R.T. -0.03 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

Tgt Ion: 136 Resp: 196930  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.1 13.7  
54 10.2 9.4 14.2  
68 5.6 4.2 6.4

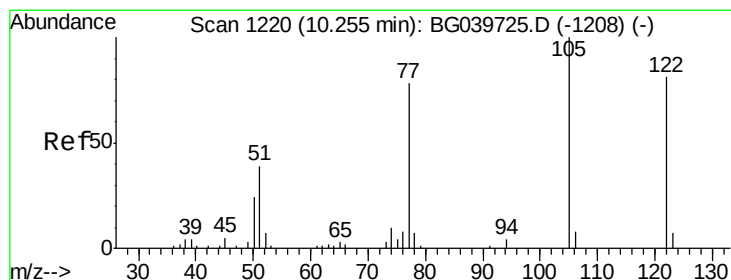
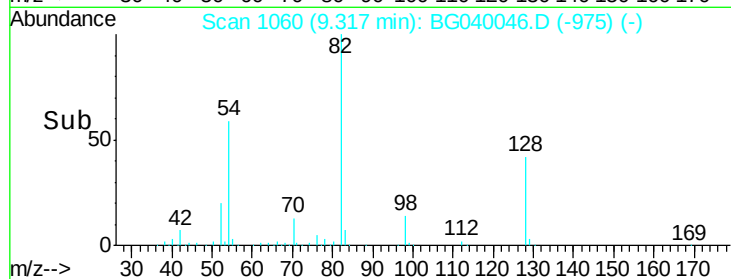
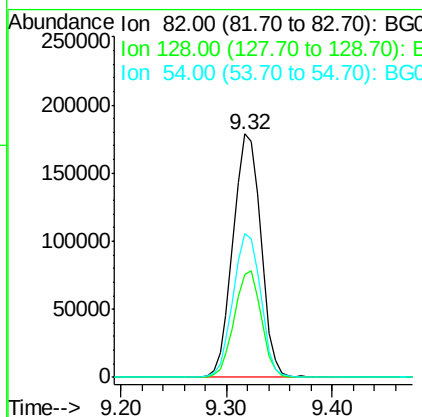
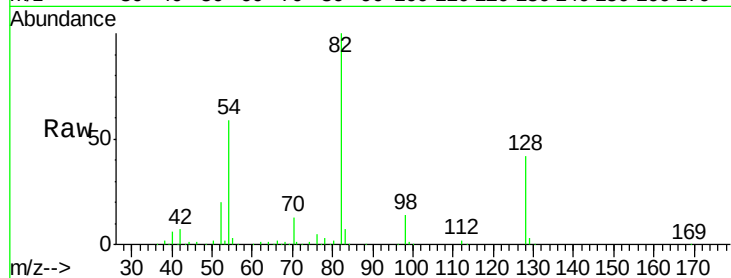




#23  
Nitrobenzene-d5  
Concen: 89.528 ng  
RT: 9.32 min Scan# 1060  
Delta R.T. -0.03 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

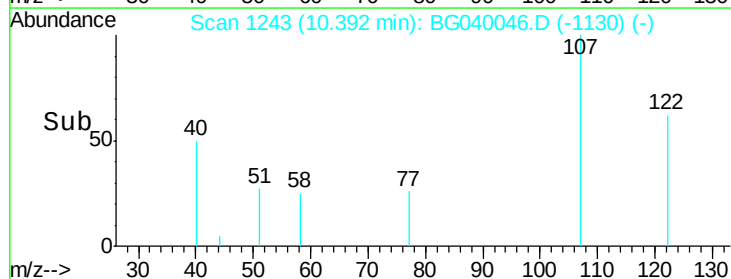
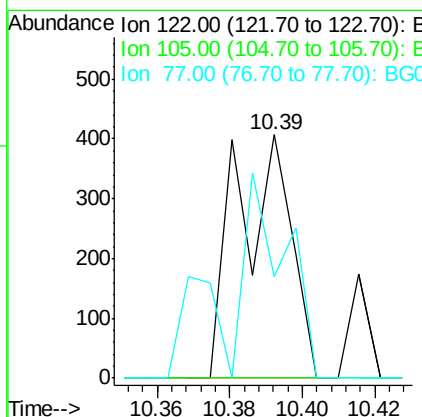
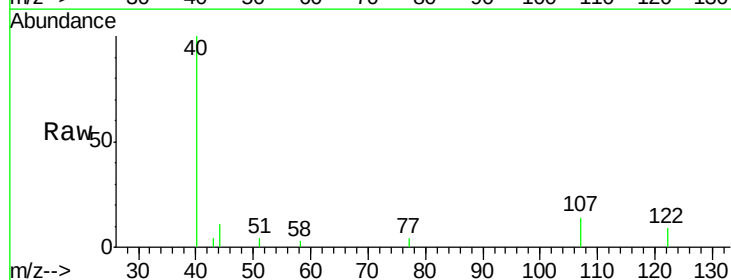
Instrument :  
BNA\_G  
ClientSampled :

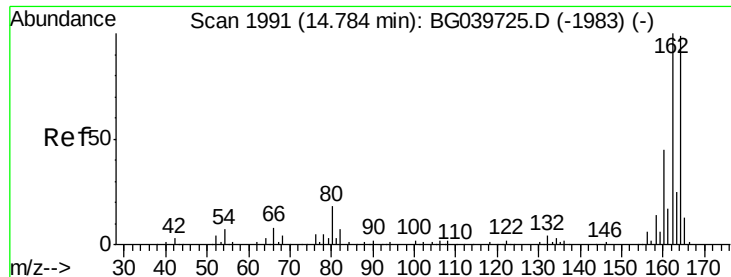
| Tot Ion   | 82    | Resp  | 325987 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.3  | 31.3  | 46.9   |
| 54        | 59.1  | 50.9  | 76.3   |



#32  
Benzoic acid  
Concen: 6.781 ng  
RT: 10.39 min Scan# 1243  
Delta R.T. 0.13 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

| Tgt Ion   | 122   | Resp  | 417    |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 0.0   | 101.8 | 141.8# |
| 77        | 41.5  | 76.3  | 116.3# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040046.D

Acq: 20 Mar 2019 21:44

Instrument :

BNA\_G

ClientSampleId :

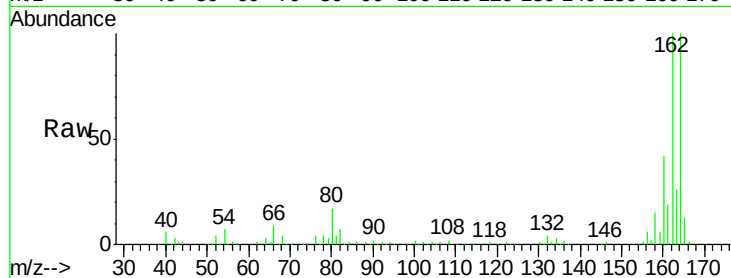
Tot Ion:164 Resp: 133704

Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

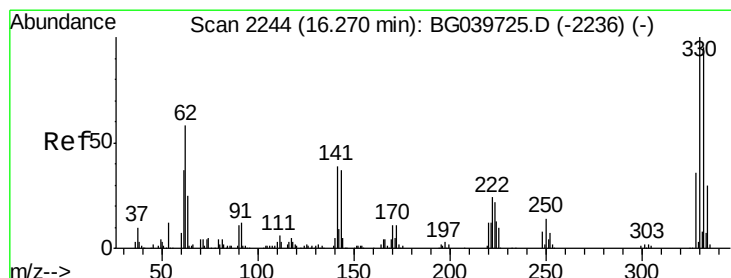
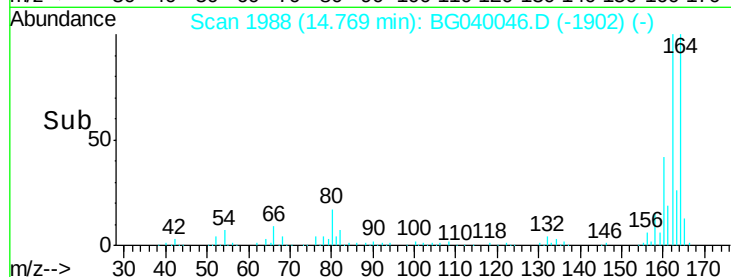
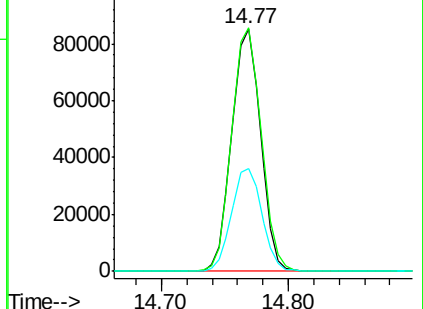
160 42.3 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 131.664 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040046.D

Acq: 20 Mar 2019 21:44

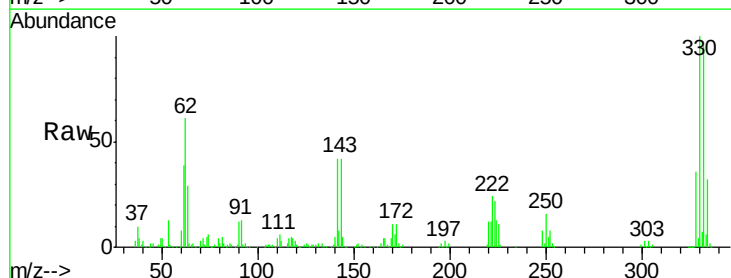
Tgt Ion:330 Resp: 205188

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

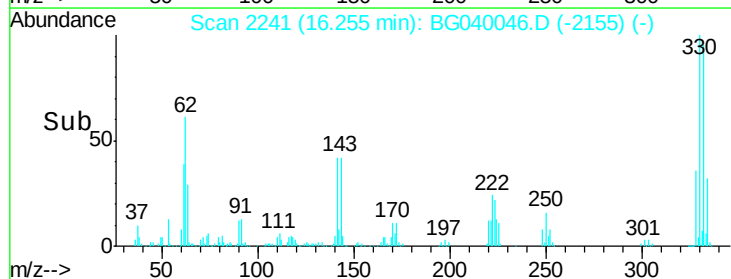
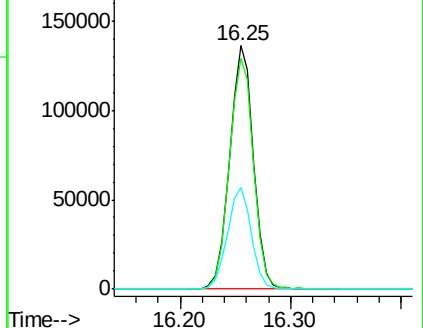
141 41.9 35.6 53.4

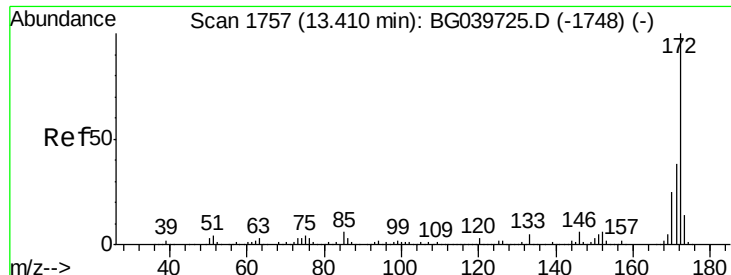


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

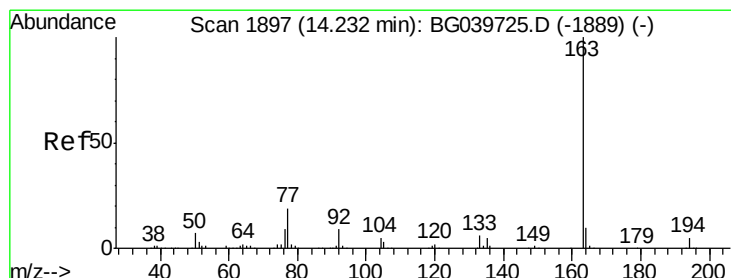
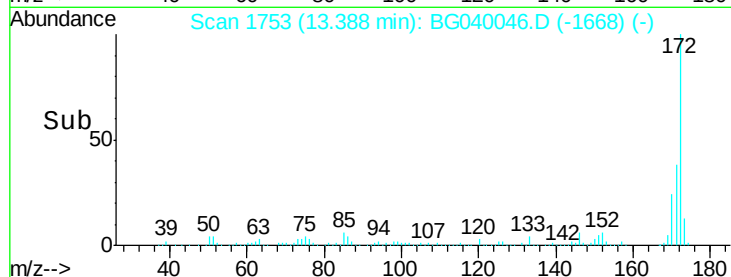
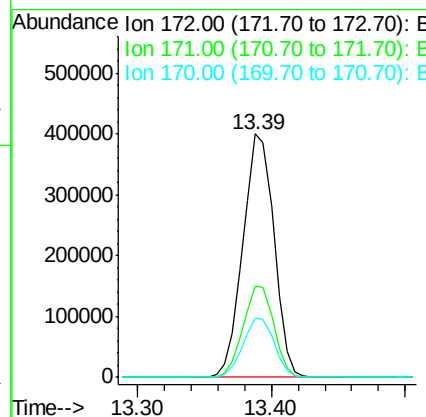
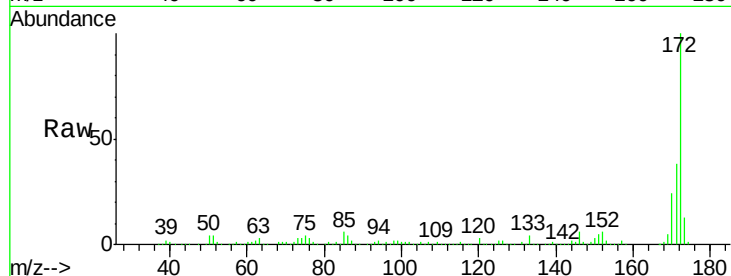




#45  
 2-Fluorobiphenyl  
 Concen: 68.298 ng  
 RT: 13.39 min Scan# 1753  
 Delta R.T. -0.03 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

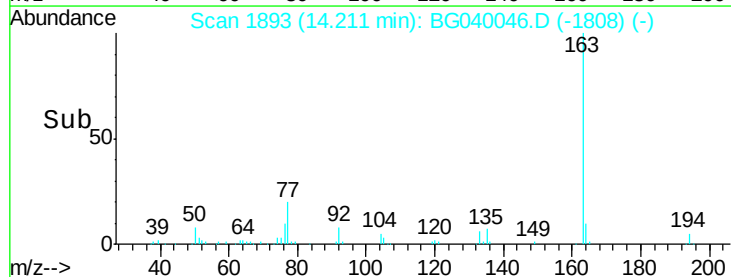
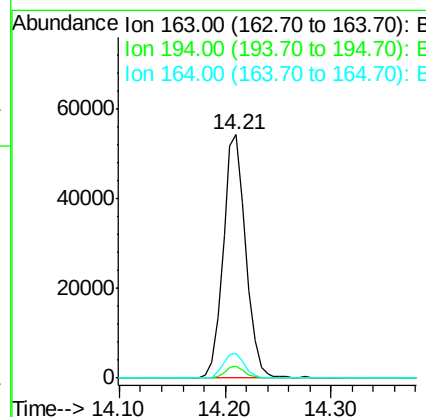
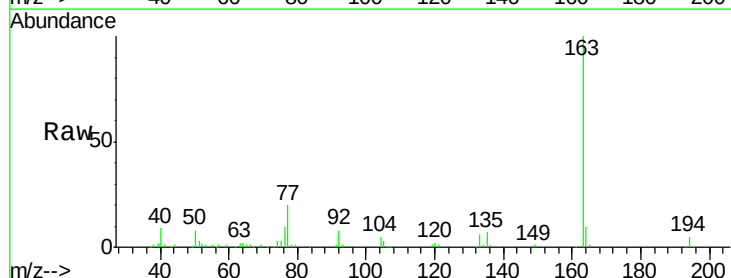
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:172 Resp: 641346  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 30.8 46.2  
 170 24.4 20.2 30.4

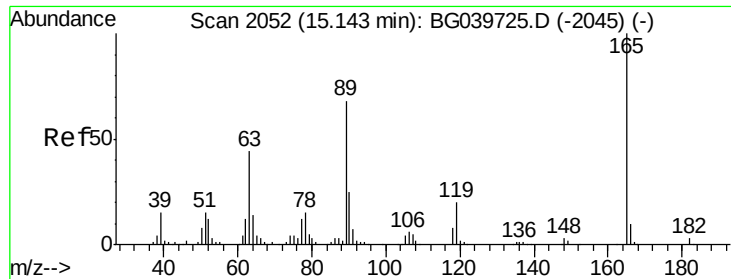


#50  
 Dimethylphthalate  
 Concen: 7.196 ng  
 RT: 14.21 min Scan# 1893  
 Delta R.T. -0.03 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

Tgt Ion:163 Resp: 80452  
 Ion Ratio Lower Upper  
 163 100  
 194 4.8 3.6 5.4  
 164 10.0 8.4 12.6



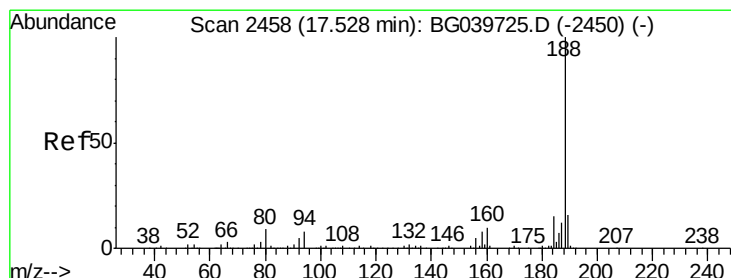
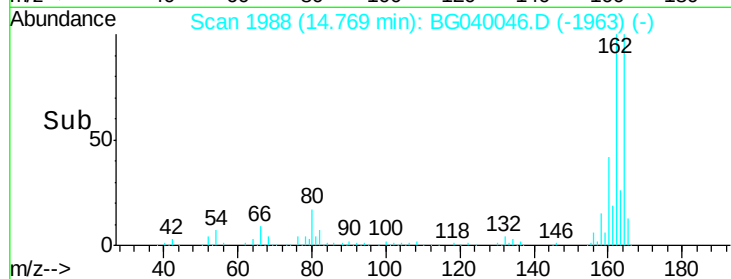
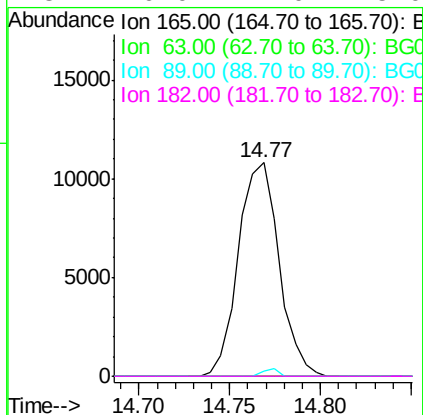
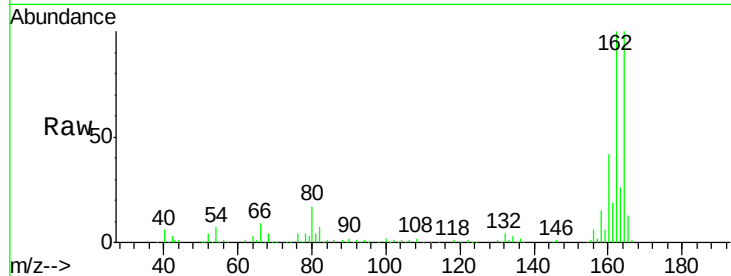




#57  
 2,4-Dinitrotoluene  
 Concen: 5.056 ng  
 RT: 14.77 min Scan# 1988  
 Delta R.T. -0.38 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

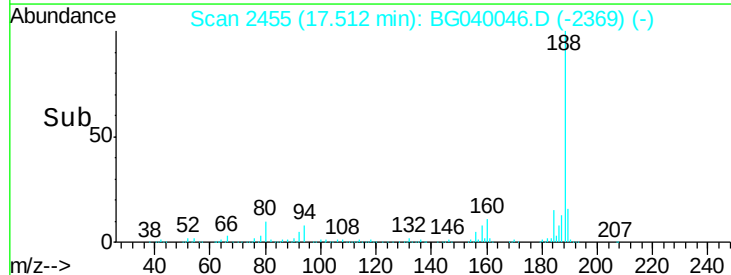
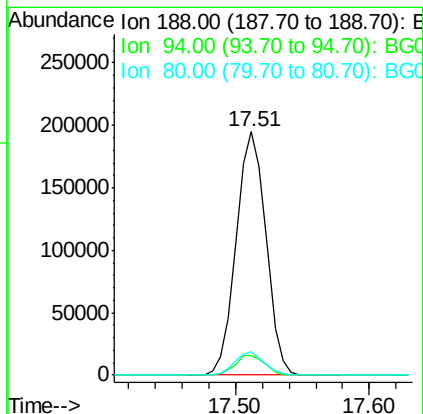
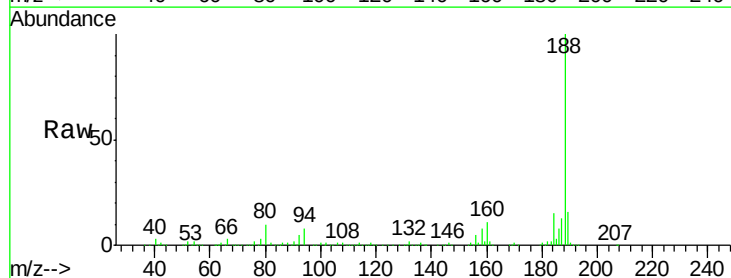
Instrument :  
 BNA\_G  
 ClientSampleId :

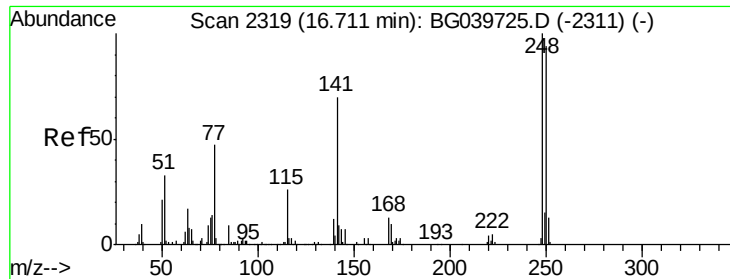
|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 16837      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 41.0 61.6# |
| 89          | 2.2   | 64.6 96.8# |
| 182         | 0.0   | 2.0 3.0#   |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.51 min Scan# 2455  
 Delta R.T. -0.02 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 300788   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 7.9   | 6.9 10.3 |
| 80          | 9.6   | 8.1 12.1 |

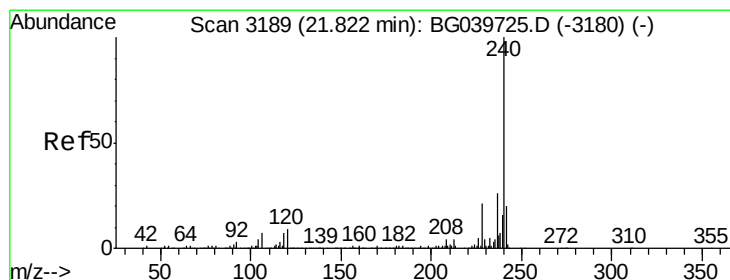
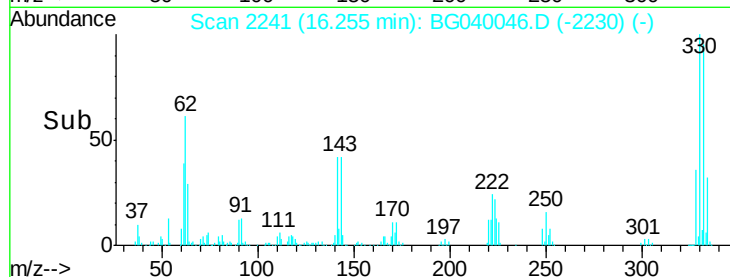
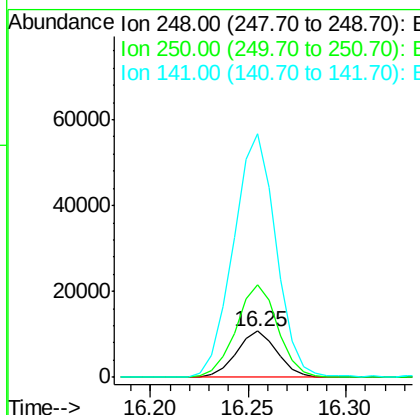
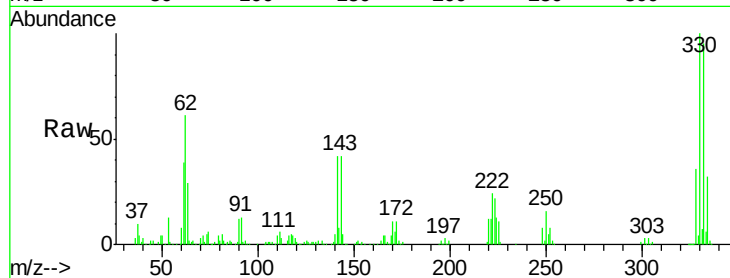




#67  
4-Bromophenyl-phenylether  
Concen: 4.608 ng  
RT: 16.25 min Scan# 2241  
Delta R.T. -0.46 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

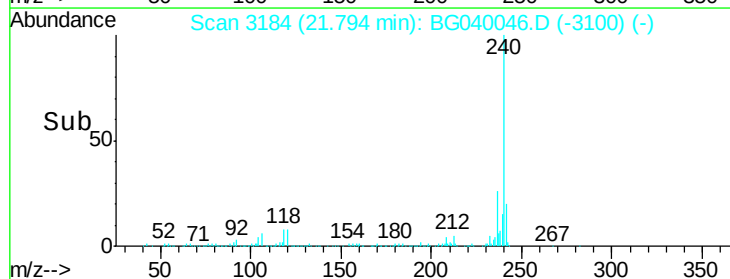
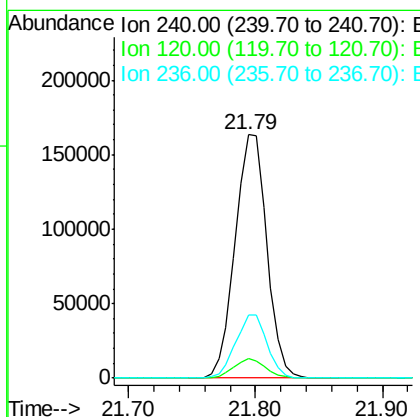
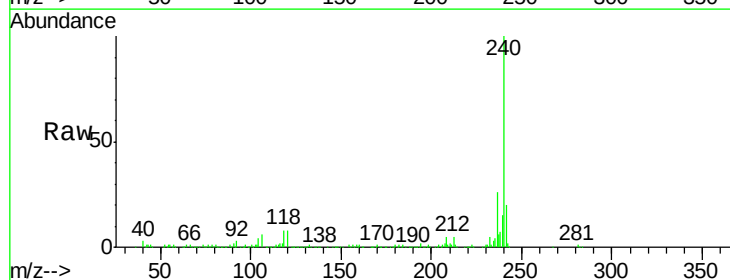
Instrument :  
BNA\_G  
ClientSampleId :

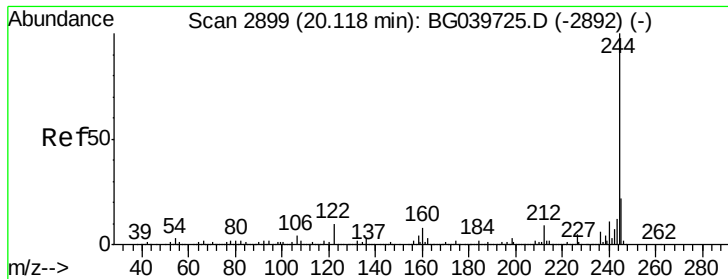
Tot Ion:248 Resp: 15513  
Ion Ratio Lower Upper  
248 100  
250 202.5 77.6 116.4#  
141 529.9 63.9 95.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.79 min Scan# 3184  
Delta R.T. -0.03 min  
Lab File: BG040046.D  
Acq: 20 Mar 2019 21:44

Tgt Ion:240 Resp: 282576  
Ion Ratio Lower Upper  
240 100  
120 8.2 7.0 10.6  
236 25.8 21.0 31.4

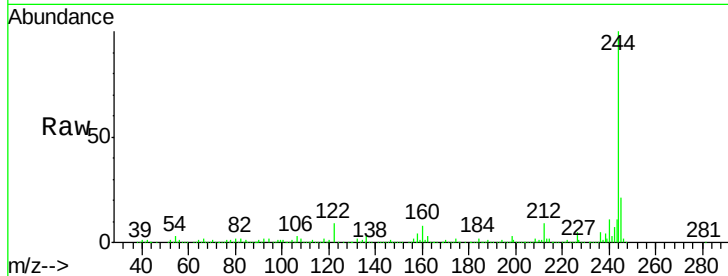




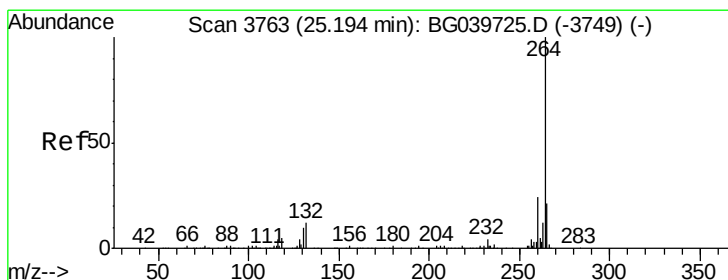
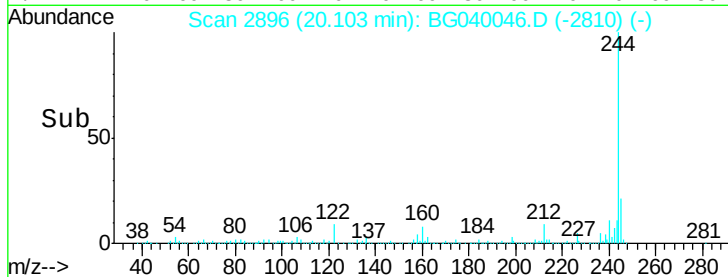
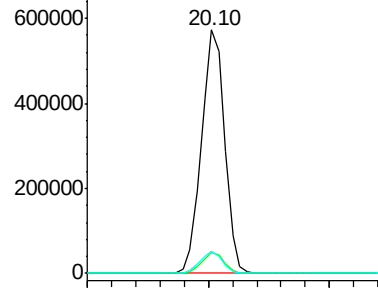
#79  
 Terphenyl-d14  
 Concen: 59.546 ng  
 RT: 20.10 min Scan# 2896  
 Delta R.T. -0.02 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.6   | 7.3   | 10.9  |
| 122     | 9.3   | 8.4   | 12.6  |

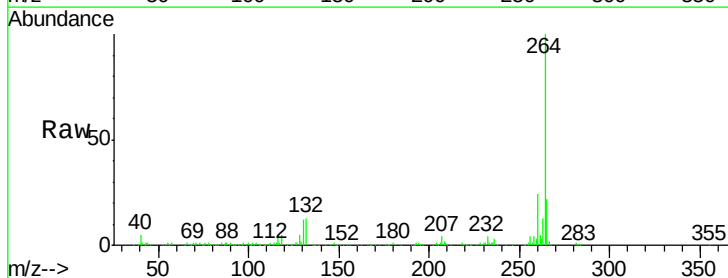


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.15 min Scan# 3756  
 Delta R.T. -0.05 min  
 Lab File: BG040046.D  
 Acq: 20 Mar 2019 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.2  | 27.4  |
| 265     | 22.3  | 18.5  | 27.7  |



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

