Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
Data File : BG035657.D
Acq On : 14 Jul 2018 9:02
Operator : JU/SJ
Sample : J3821-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** HR-05-071218-A

Quant Time: Jul 16 00:57:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 41080 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 159082 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 116806 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 338373 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.68 | 240 | 357934 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 329478 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 369440 | 149.31 | ng | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 510997 | 138.42 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 390777 | 102.62 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 254867 | 165.54 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 883930 | 101.38 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1670375 | 102.87 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Benzyl Alcohol | 8.38 | 79 | 6962 | 2.077 | ng | # 54 |
| 19) n-Nitroso-di-n-propylamine | 9.22 | 70 | 57479 | 18.490 | ng | # 65 |
| 50) 2,6-Dinitrotoluene | 14.68 | 165 | 16348 | 7.844 | ng | # 21 |
| 53) 2,4-Dinitrophenol | 15.12 | 184 | 76 | 6.647 | ng | # 1 |
| 56) 2,4-Dinitrotoluene | 14.68 | 165 | 16348 | 5.468 | ng | # 19 |
| 66) 4-Bromophenyl-phenylether | 16.16 | 248 | 20672 | 5.266 | ng | # 1 |
| 76) Benzidine | 20.02 | 184 | 32355 | 3.438 | ng | 97 |

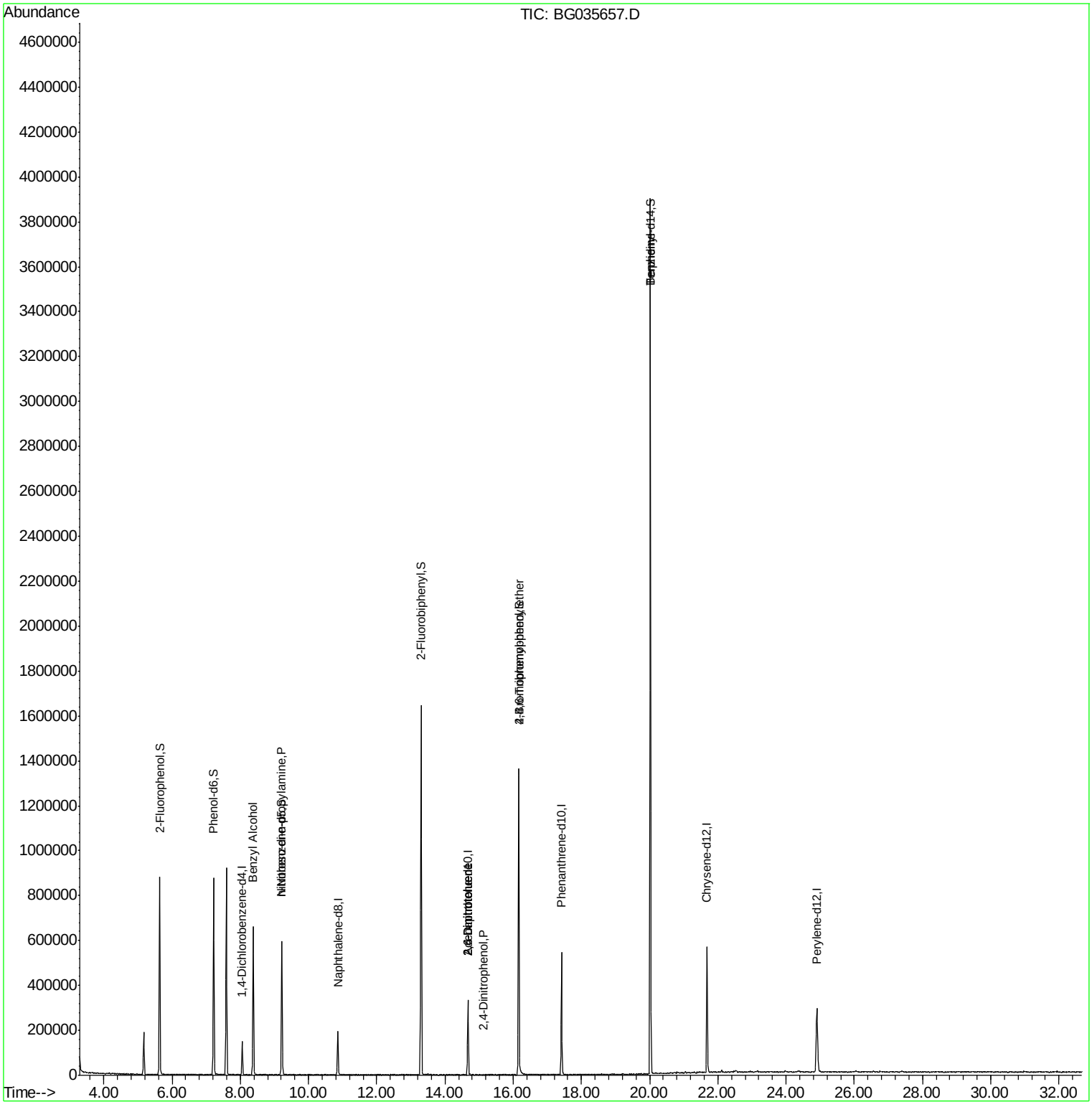
(#) = qualifier out of range (m) = manual integration (+) = signals summed

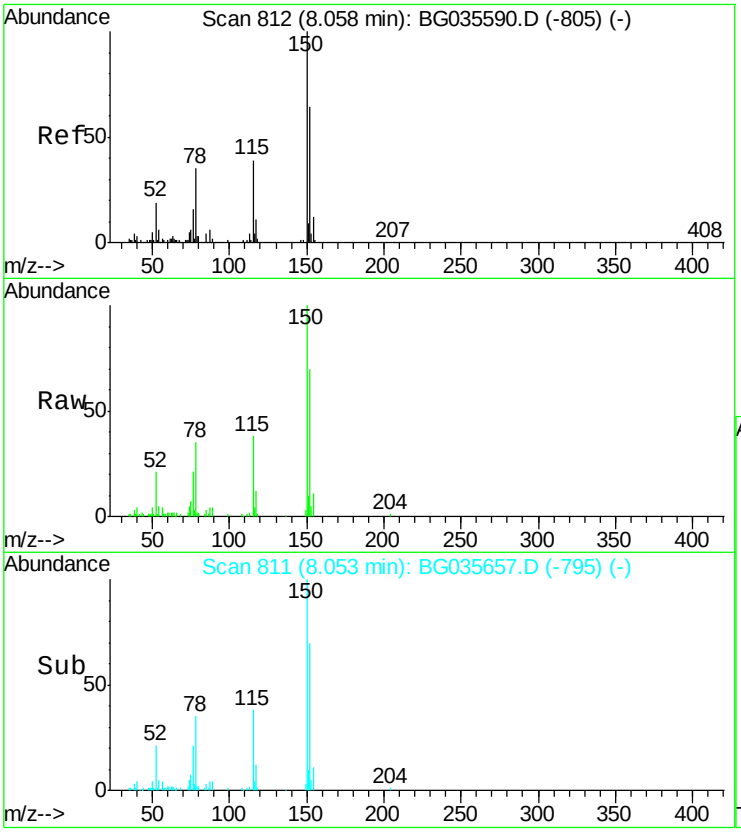
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
Data File : BG035657.D
Acq On : 14 Jul 2018 9:02
Operator : JU/SJ
Sample : J3821-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Quant Time: Jul 16 00:57:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration



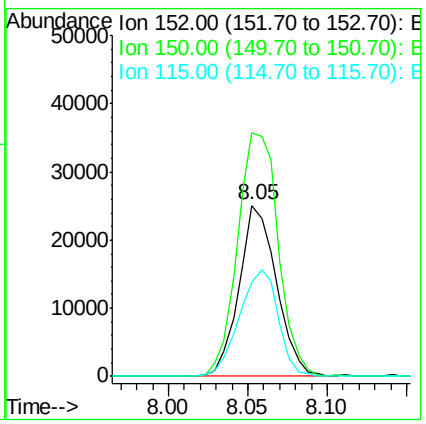


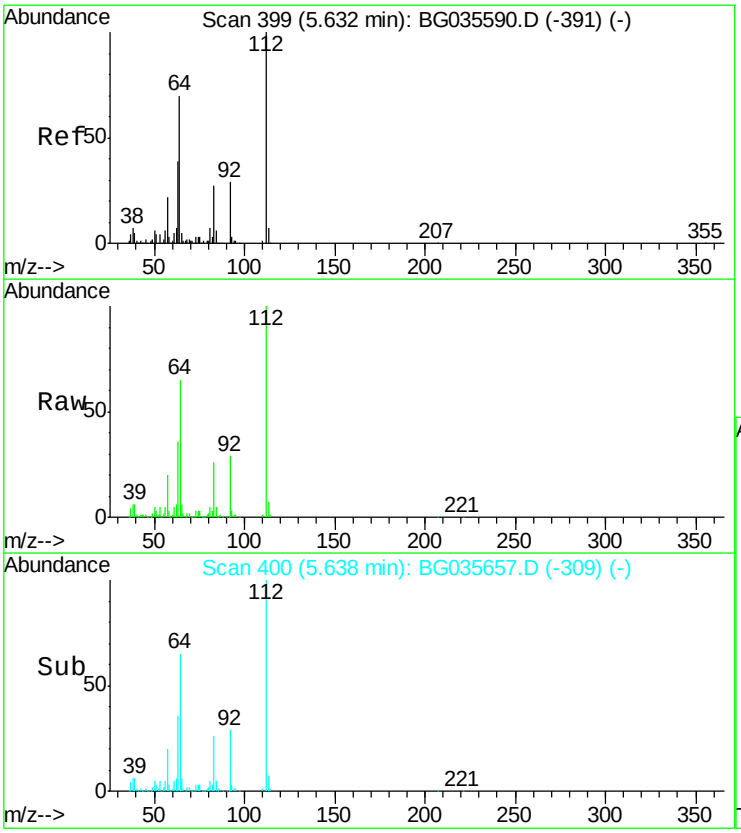

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:152 Resp: 41080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 142.4 | 126.6 | 189.8 |
| 115 | 54.8 | 53.0 | 79.4 |

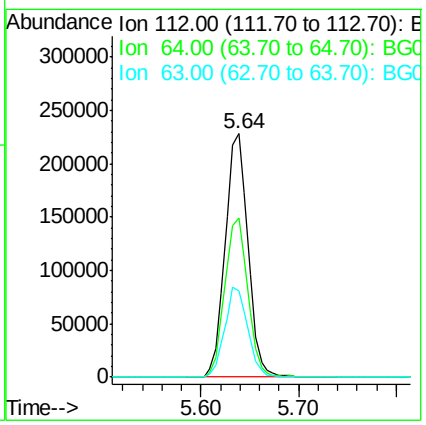


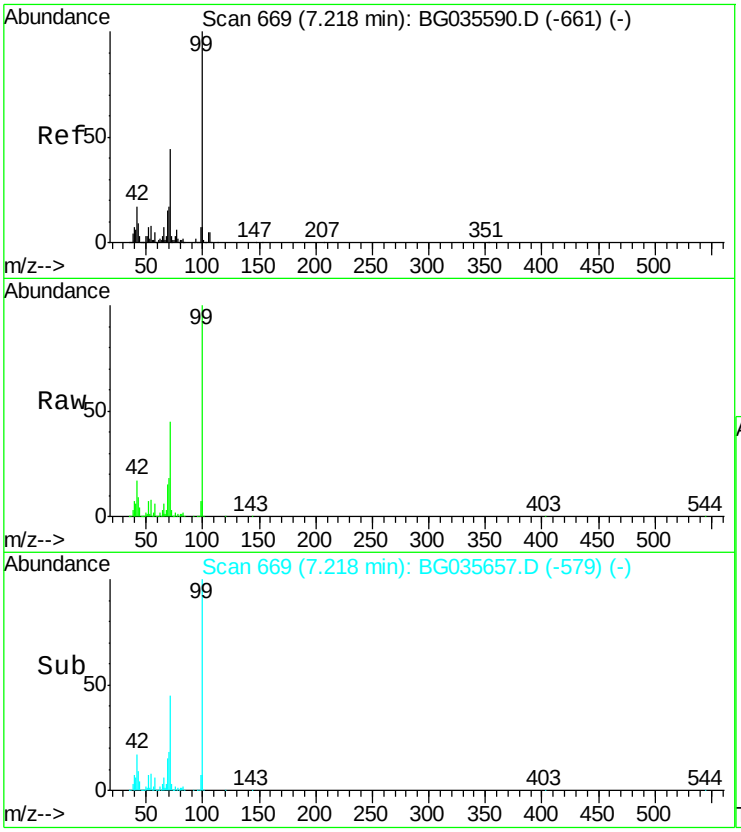




#5
2-Fluorophenol
Concen: 149.308 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:112 Resp: 369440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.2 | 56.3 | 84.5 |
| 63 | 35.5 | 30.1 | 45.1 |



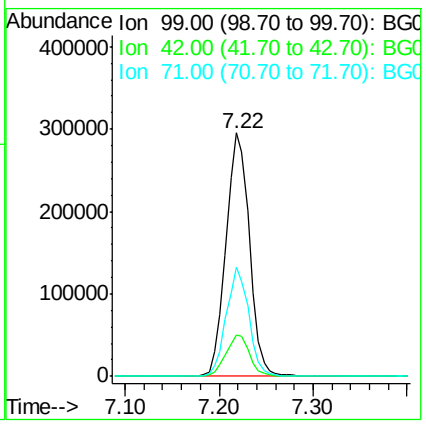


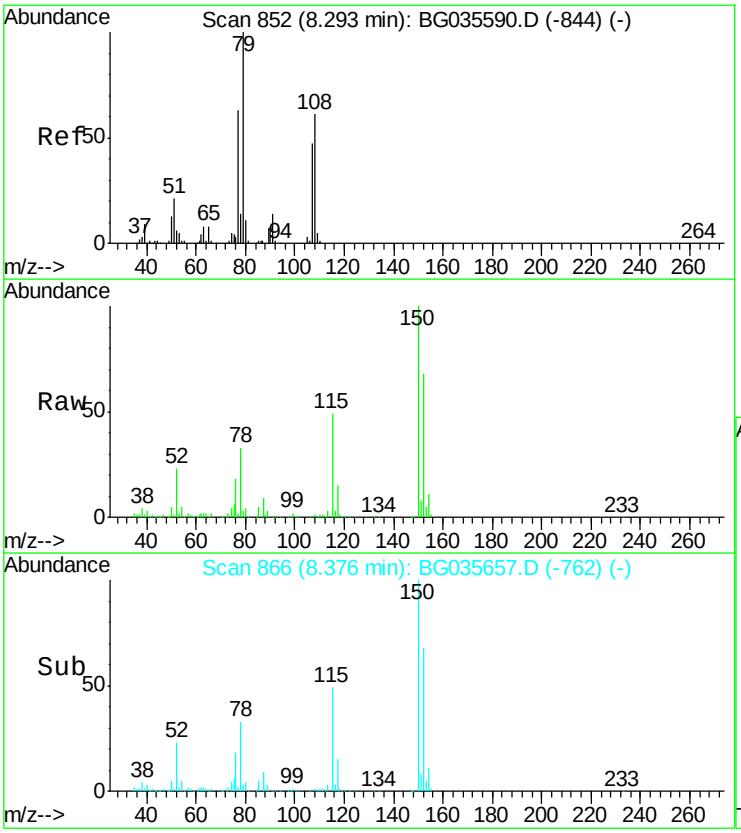

#7
Phenol-d6
Concen: 138.418 ng
RT: 7.22 min Scan# 669
Delta R.T. 0.00 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion: 99 Resp: 510997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.1 | 21.1 |
| 71 | 45.0 | 26.1 | 39.1# |

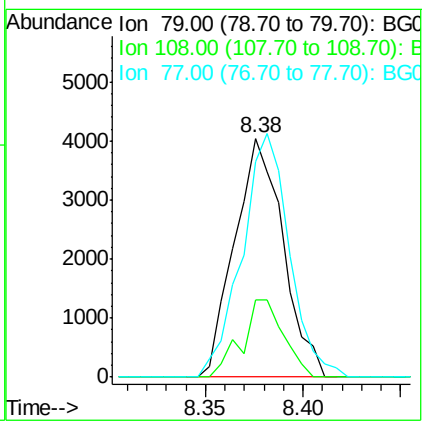


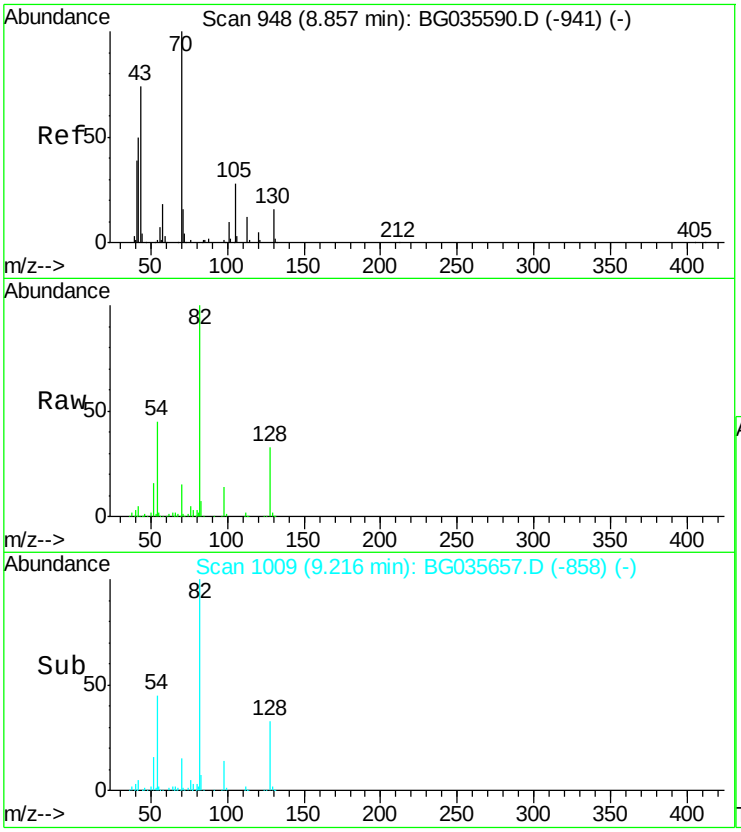




#15
Benzyl Alcohol
Concen: 2.077 ng
RT: 8.38 min Scan# 866
Delta R.T. 0.08 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion: 79 Resp: 6962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 32.5 | 57.2 | 85.8# |
| 77 | 90.1 | 46.1 | 69.1# |



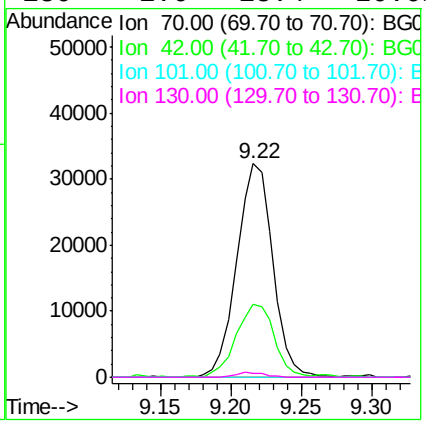


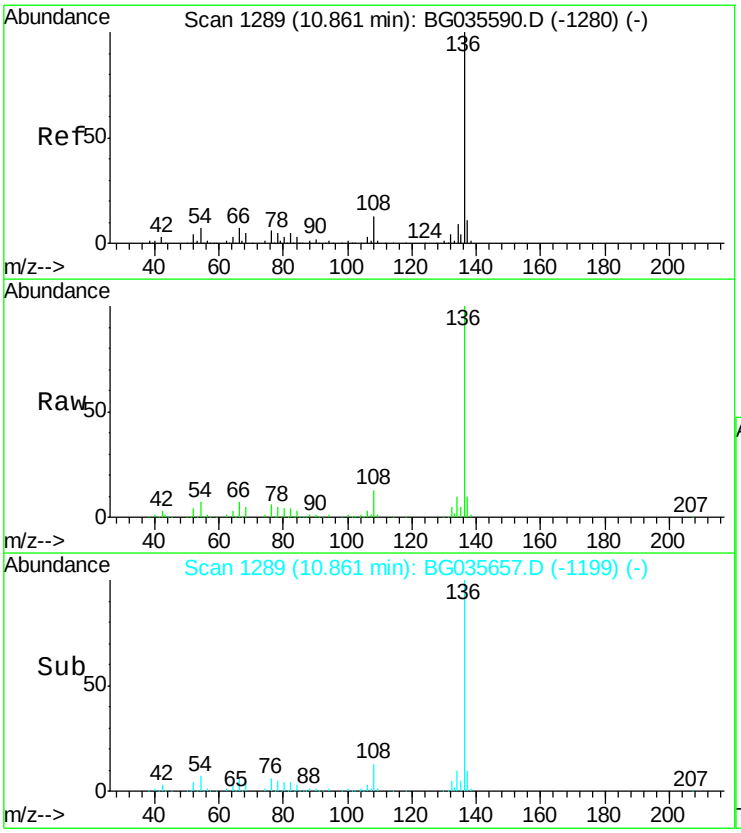

#19
n-Nitroso-di-n-propylamine
Concen: 18.490 ng
RT: 9.22 min Scan# 1009
Delta R.T. 0.36 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion: 70 Resp: 57479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 33.9 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 1.6 | 13.4 | 20.0# |

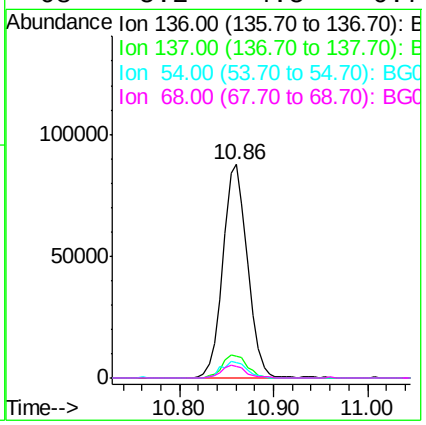


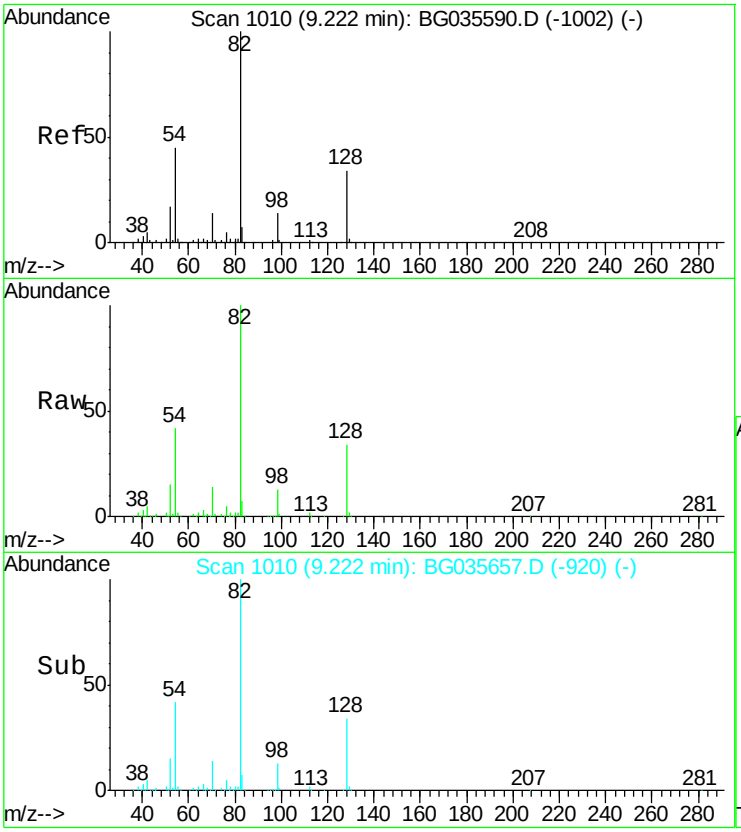




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:136 Resp: 159082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.2 | 13.8 |
| 54 | 7.1 | 10.3 | 15.5# |
| 68 | 5.2 | 4.5 | 6.7 |



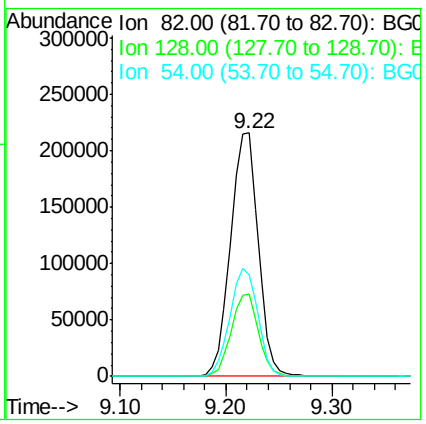


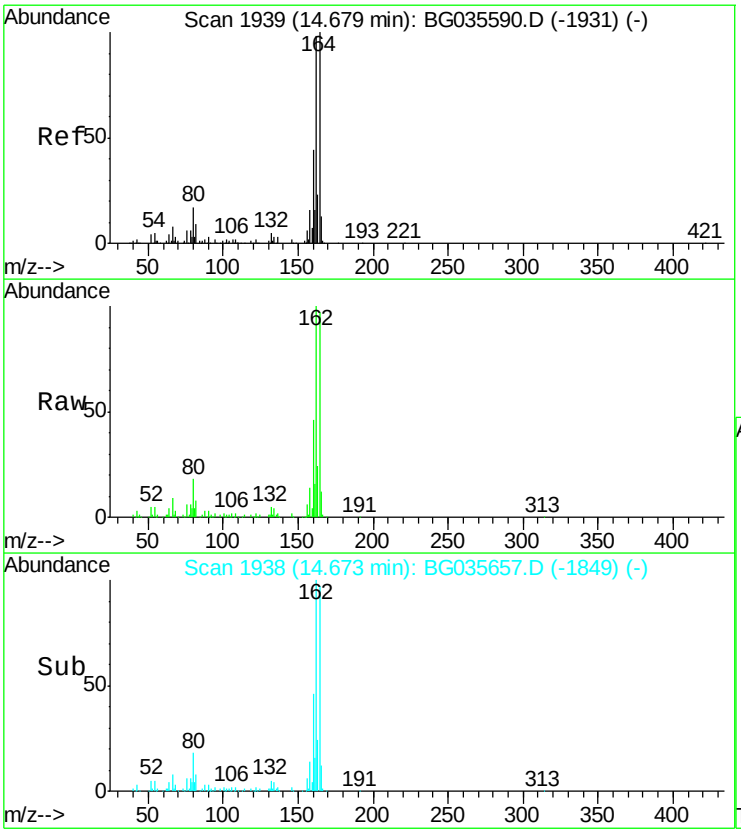

#23
Nitrobenzene-d5
Concen: 102.618 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion: 82 Resp: 390777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.9 | 29.7 | 44.5 |
| 54 | 41.6 | 43.1 | 64.7# |

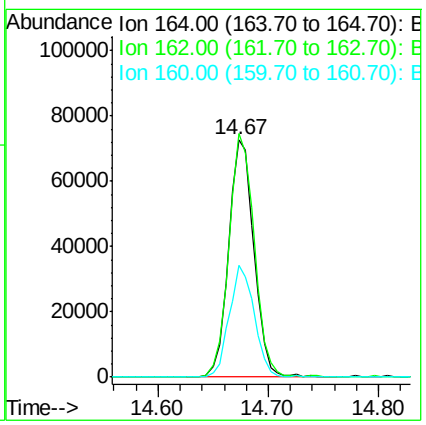


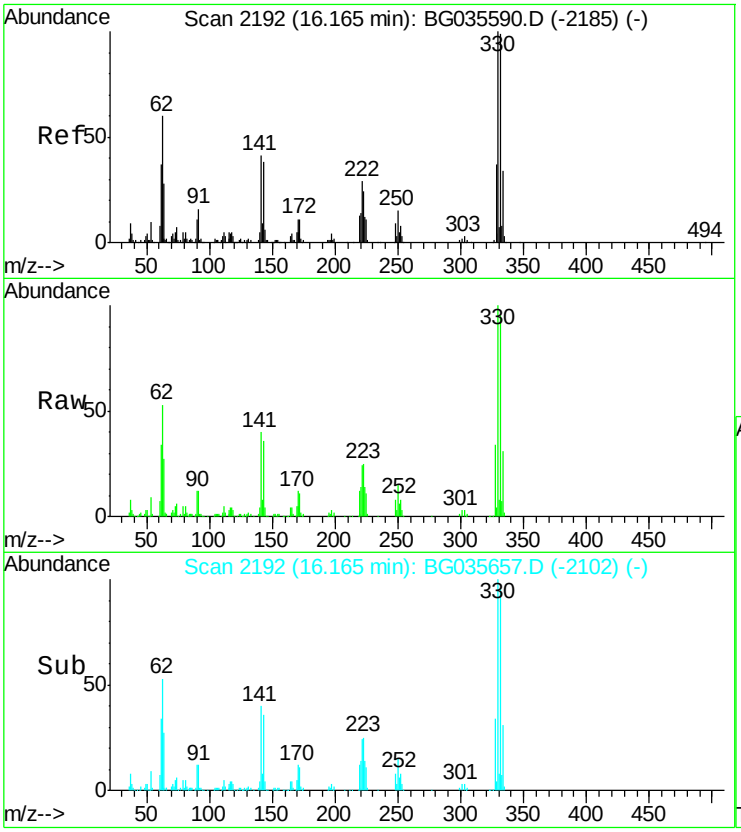




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:164 Resp: 116806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 78.8 | 118.2 |
| 160 | 47.2 | 35.4 | 53.0 |



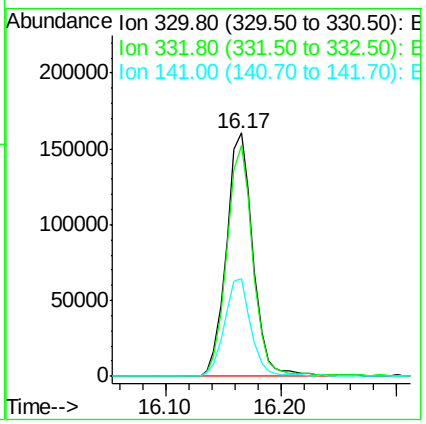


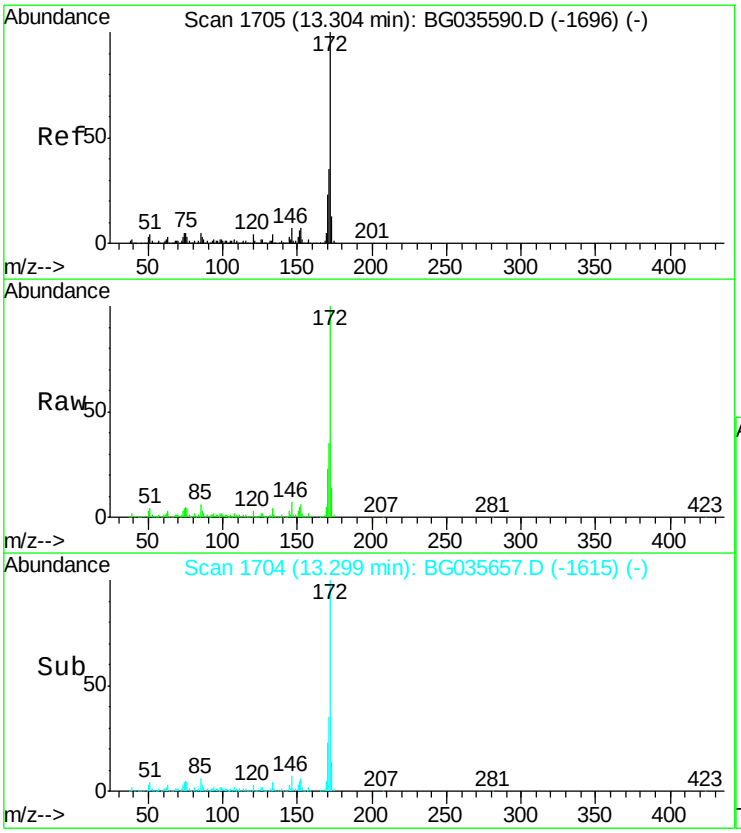

#41
2,4,6-Tribromophenol
Concen: 165.543 ng
RT: 16.17 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:330 Resp: 254867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.2 | 77.0 | 115.6 |
| 141 | 39.7 | 25.2 | 37.8# |

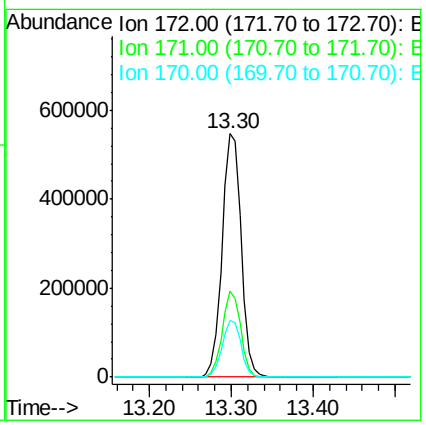


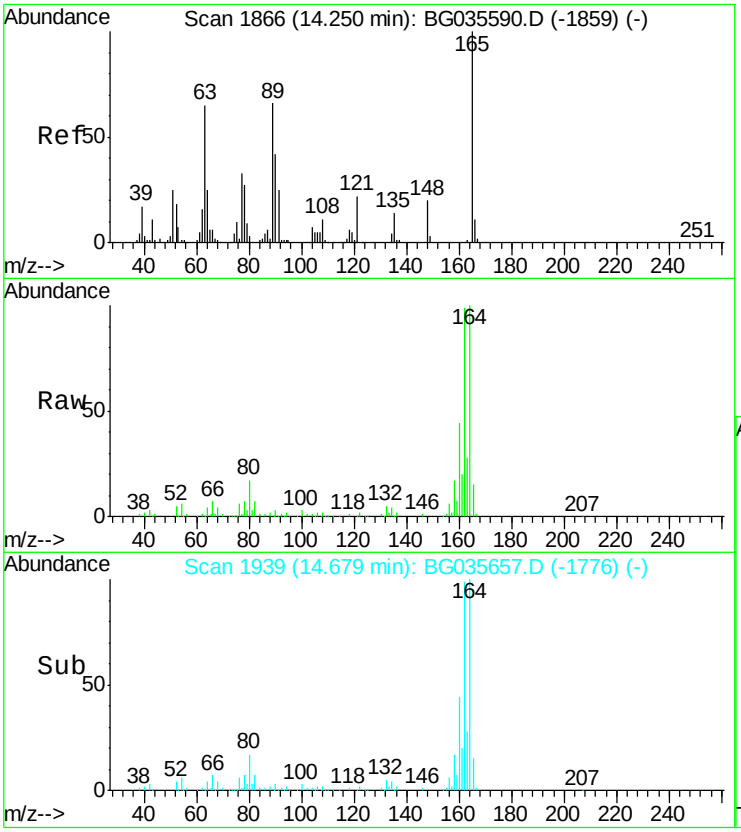




#44
2-Fluorobiphenyl
Concen: 101.385 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:172 Resp: 883930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 30.0 | 45.0 |
| 170 | 23.4 | 19.5 | 29.3 |



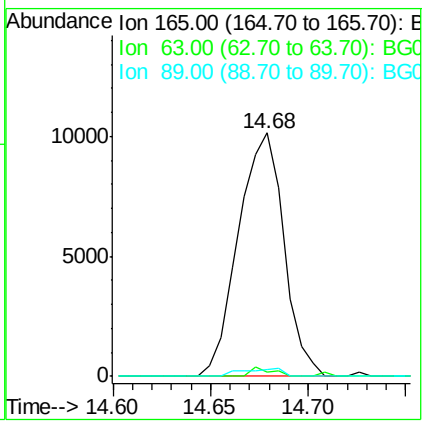


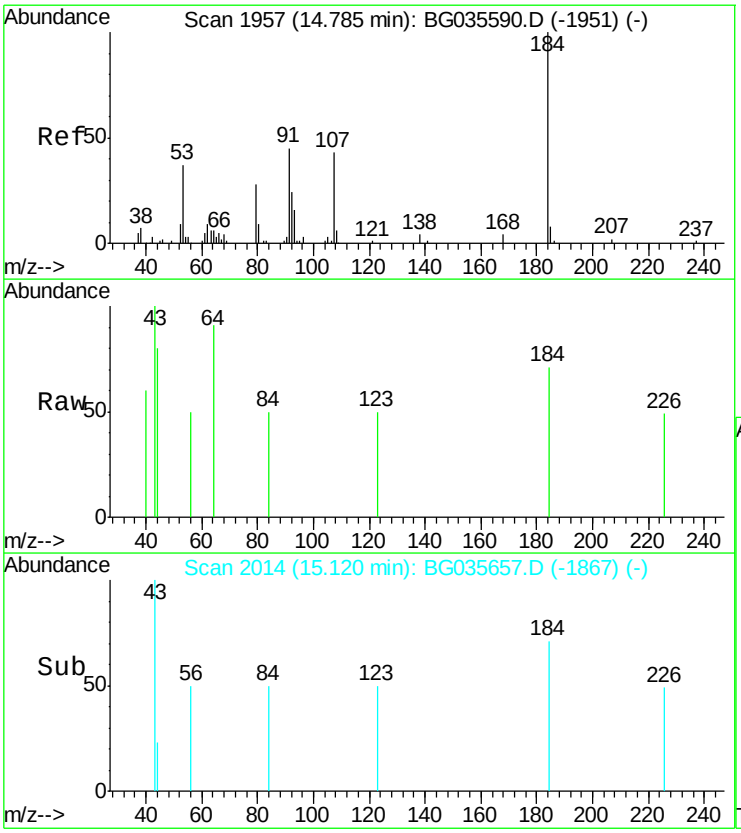

#50
2,6-Dinitrotoluene
Concen: 7.844 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.43 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:165 Resp: 16348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 52.7 | 79.1# |
| 89 | 2.7 | 49.2 | 73.8# |

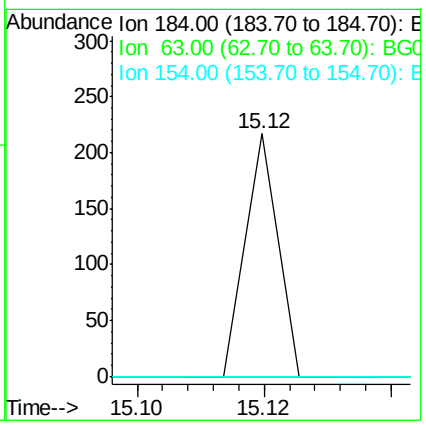


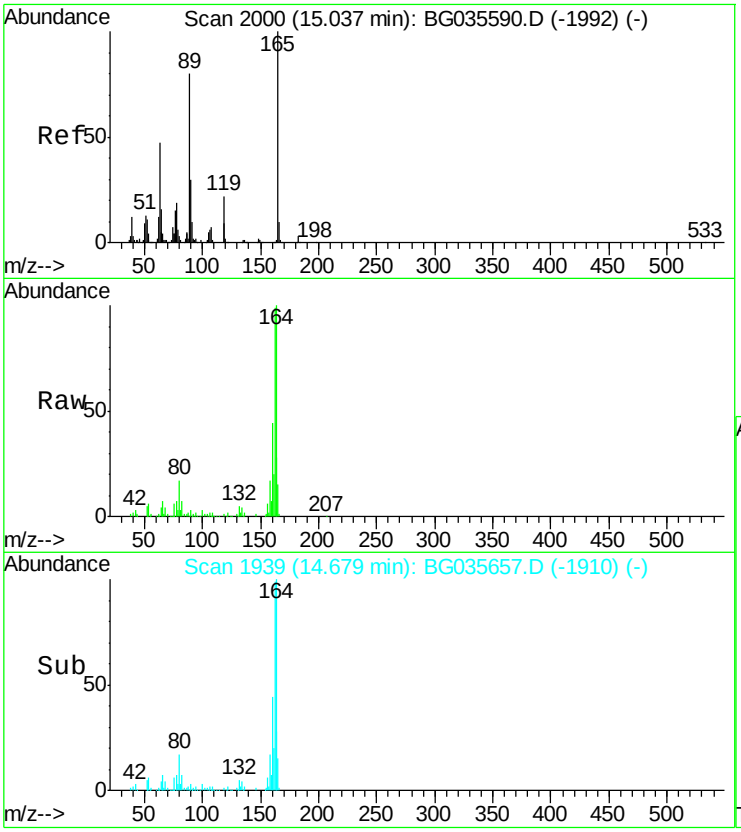




#53
2,4-Dinitrophenol
Concen: 6.647 ng
RT: 15.12 min Scan# 2014
Delta R.T. 0.34 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:184 Resp: 76

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 59.8 | 89.8# |
| 154 | 0.0 | 101.8 | 152.8# |



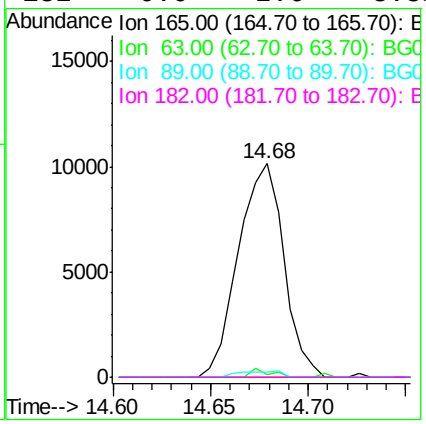


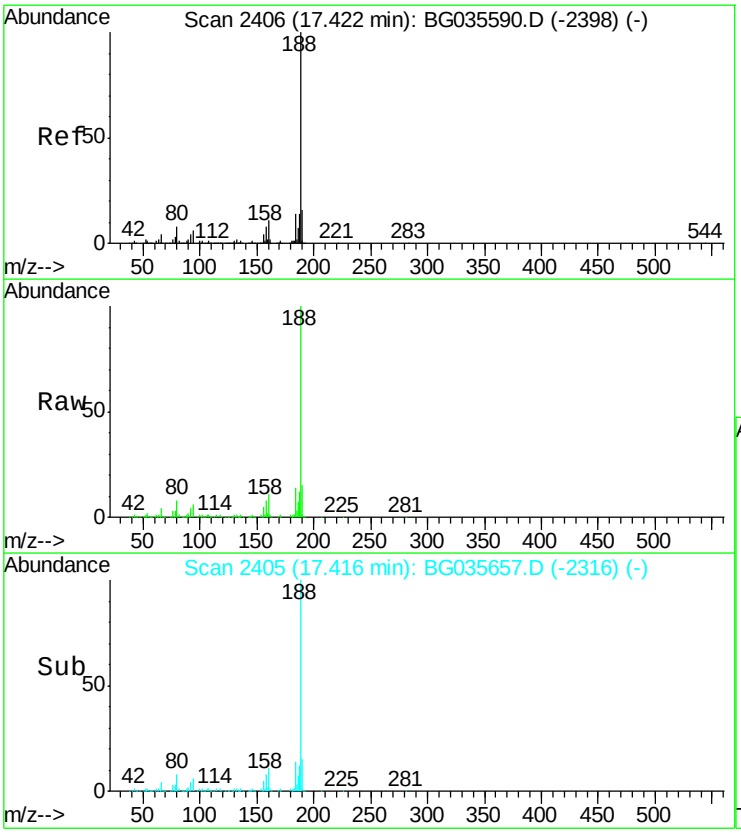

#56
2,4-Dinitrotoluene
Concen: 5.468 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:165 Resp: 16348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 42.0 | 63.0# |
| 89 | 2.7 | 66.9 | 100.3# |
| 182 | 0.0 | 2.6 | 3.8# |

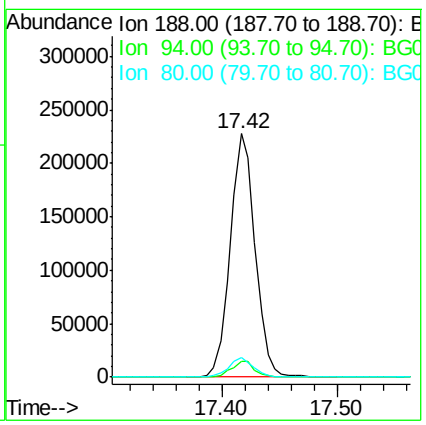


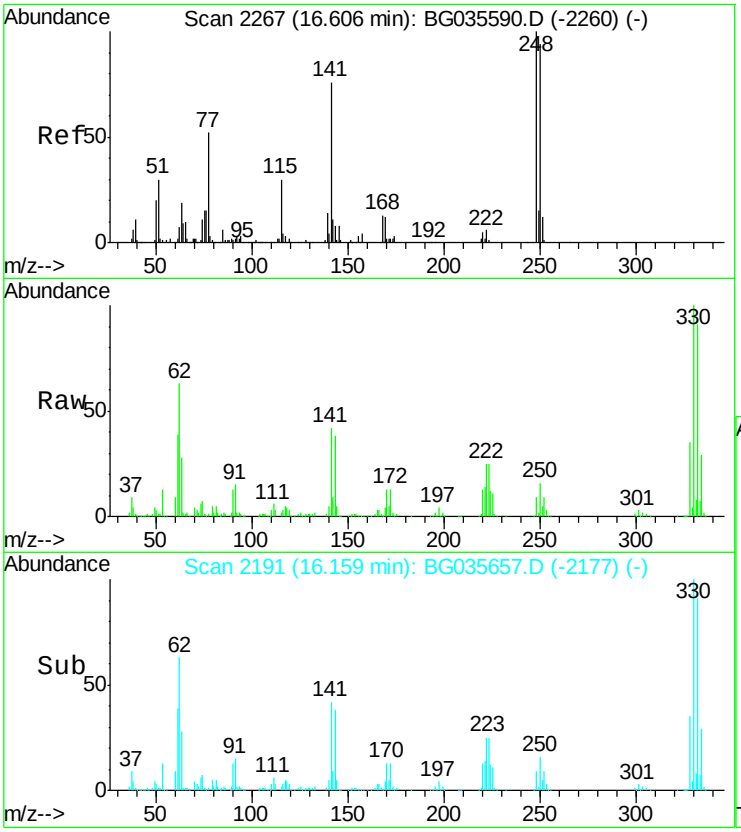




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:188 Resp: 338373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.5 | 6.9 | 10.3# |
| 80 | 7.9 | 7.7 | 11.5 |



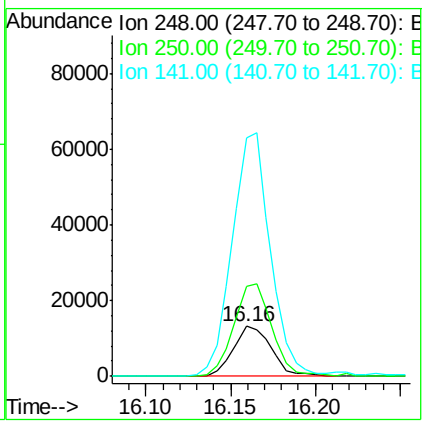


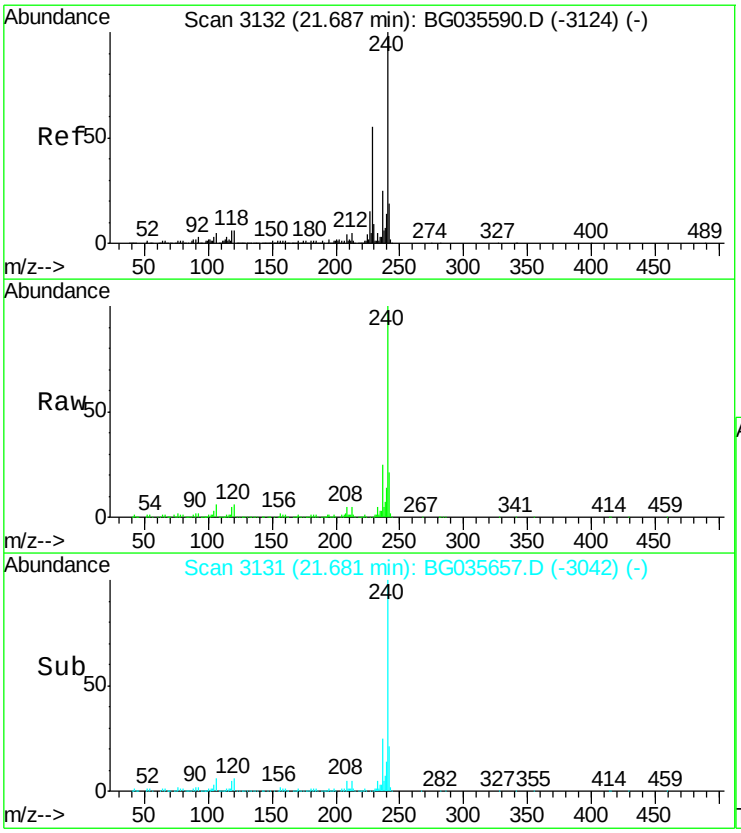

#66
4-Bromophenyl-phenylether
Concen: 5.266 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:248 Resp: 20672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 180.7 | 77.1 | 115.7# |
| 141 | 480.6 | 50.8 | 76.2# |

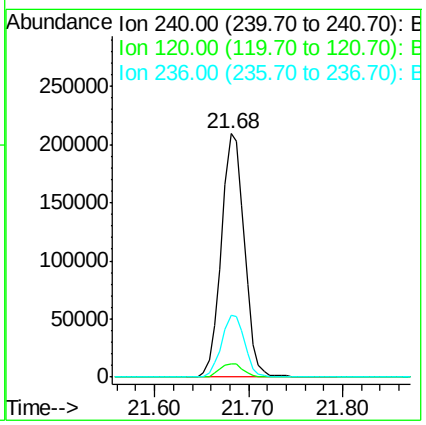


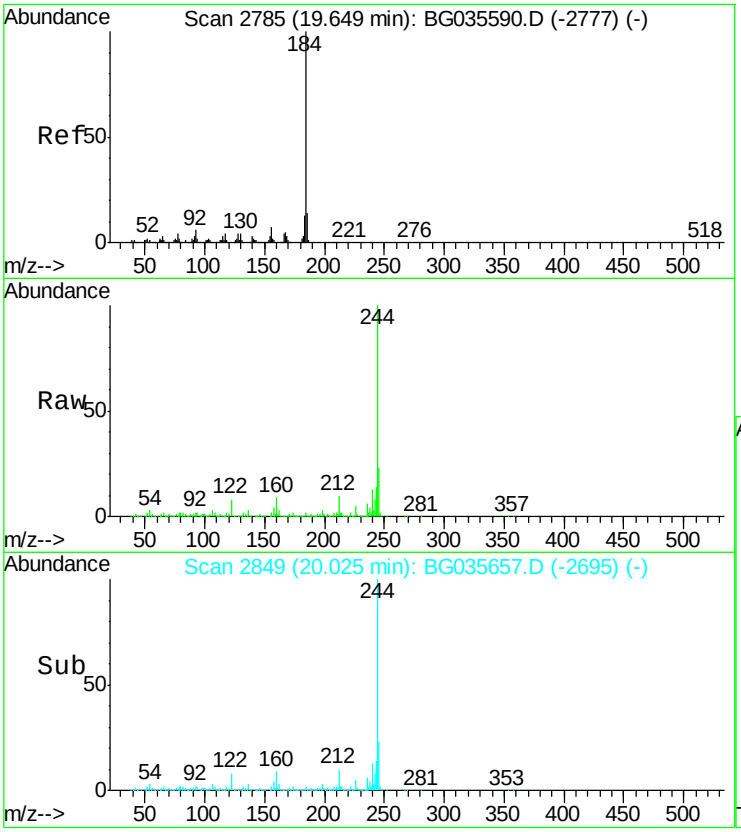




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:240 Resp: 357934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.7 | 6.8 | 10.2# |
| 236 | 25.2 | 20.9 | 31.3 |



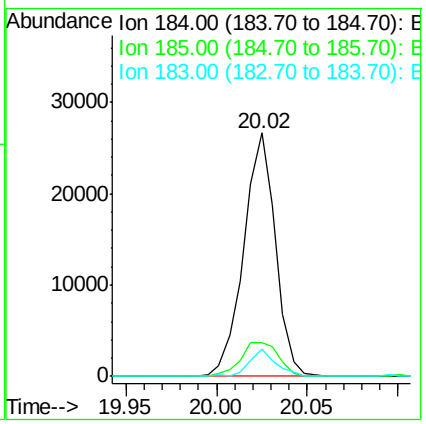


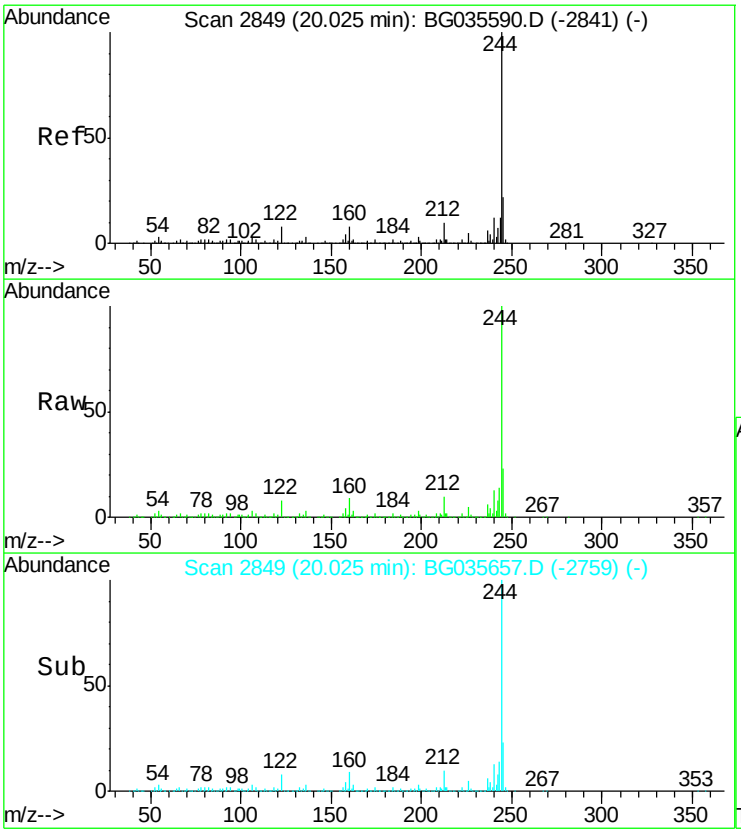

#76
Benzidine
Concen: 3.438 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:184 Resp: 32355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.1 | 16.7 |
| 183 | 11.3 | 10.6 | 16.0 |

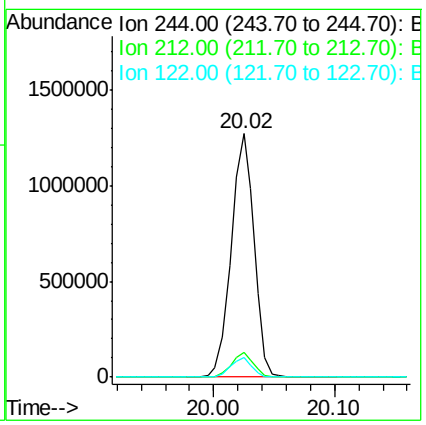


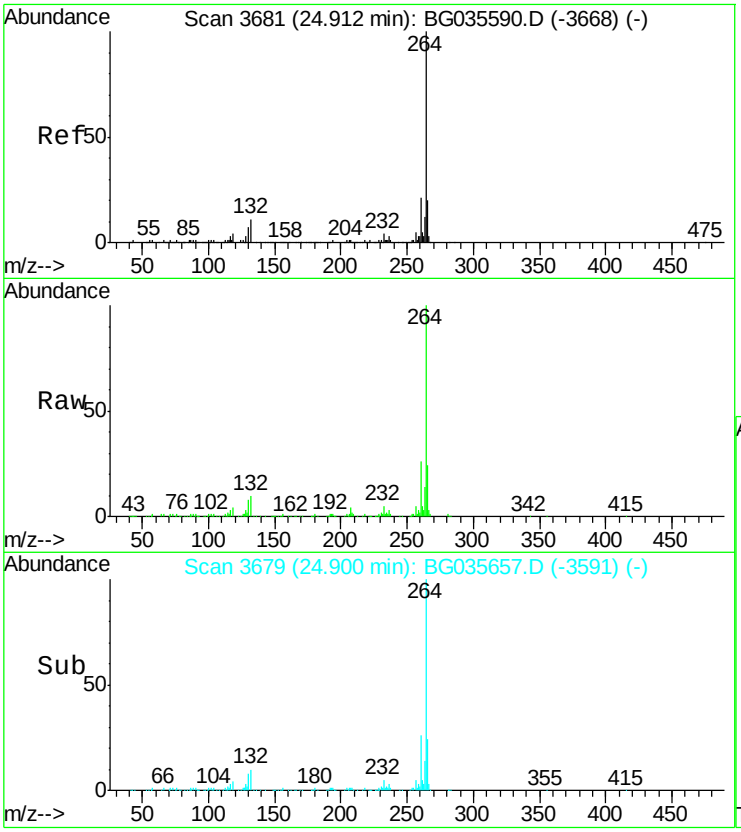




#78
Terphenyl-d14
Concen: 102.868 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

Tgt Ion:244 Resp: 1670375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.1 | 5.8 | 8.8# |
| 122 | 8.0 | 7.0 | 10.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035657.D
Acq: 14 Jul 2018 9:02

**Instrument :**
BNA_G
**ClientSampleId :**
HR-05-071218-A

Tgt Ion:264 Resp: 329478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.7 | 17.4 | 26.0 |
| 265 | 24.4 | 17.7 | 26.5 |