Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
Data File : BG035654.D
Acq On : 14 Jul 2018 7:06
Operator : JU/SJ
Sample : J3921-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jul 16 00:56:54 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 | 43565 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 167777 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 125533 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 351314 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 377968 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 354405 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 386678 | 147.36 | ng | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 530916 | 135.61 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 408520 | 101.72 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 293998 | 177.68 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 929852 | 99.24 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1755588 | 102.39 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.22 | 70 | 56731 | 17.208 | ng | # 69 |
| 50) 2,6-Dinitrotoluene | 14.67 | 165 | 17914 | 7.998 | ng | # 20 |
| 53) 2,4-Dinitrophenol | 14.41 | 184 | 70 | 6.638 | ng | # 1 |
| 56) 2,4-Dinitrotoluene | 14.67 | 165 | 17914 | 5.575 | ng | # 18 |
| 66) 4-Bromophenyl-phenylether | 16.16 | 248 | 24066 | 5.905 | ng | # 1 |
| 76) Benzidine | 20.02 | 184 | 34317 | 3.454 | ng | # 88 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
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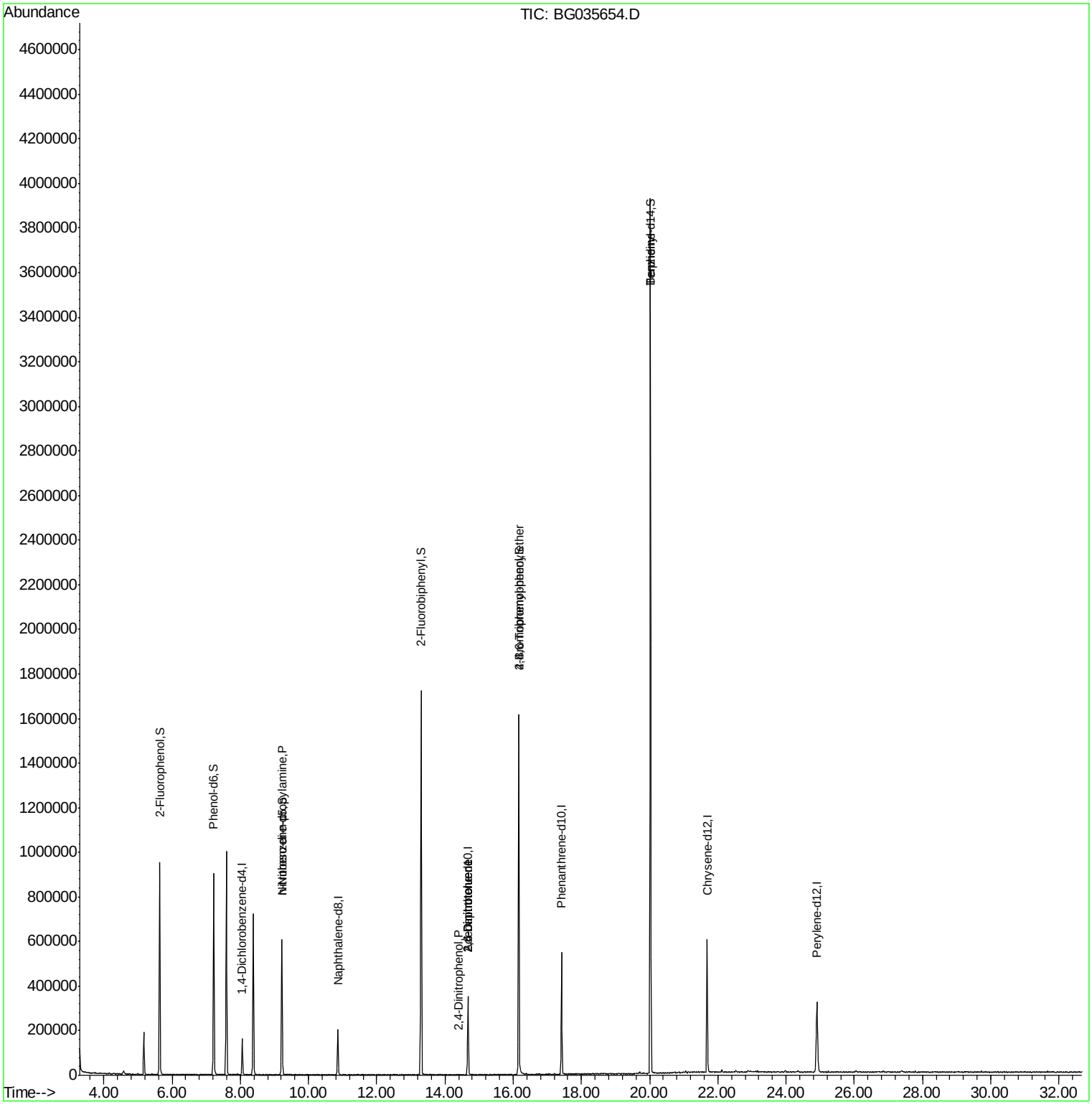
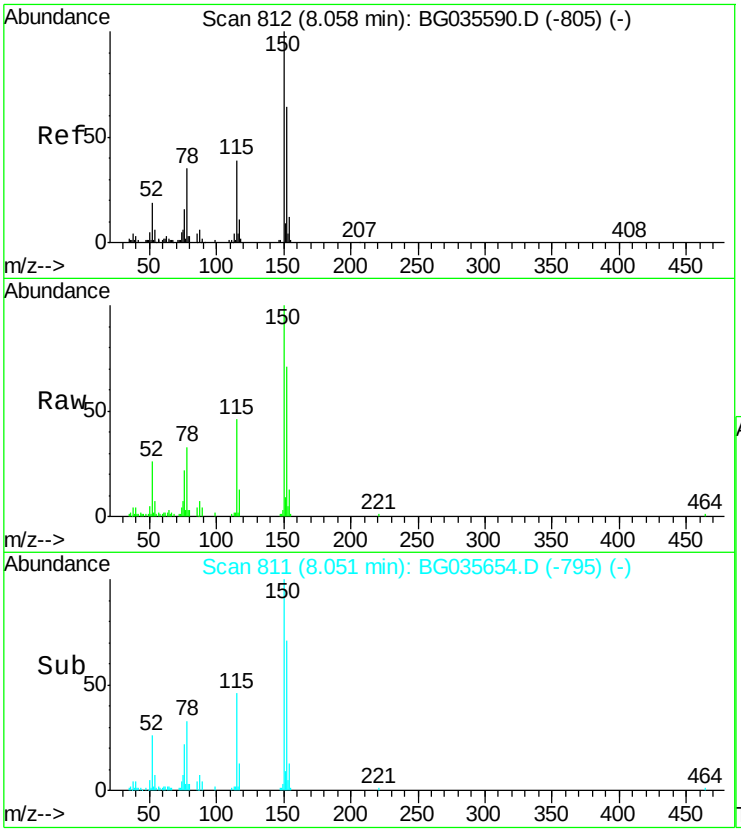
Sample : J3921-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jul 16 00:56:54 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



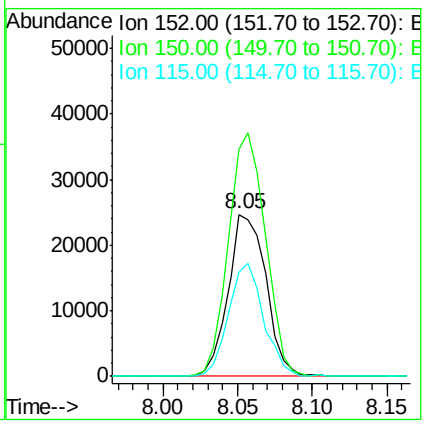


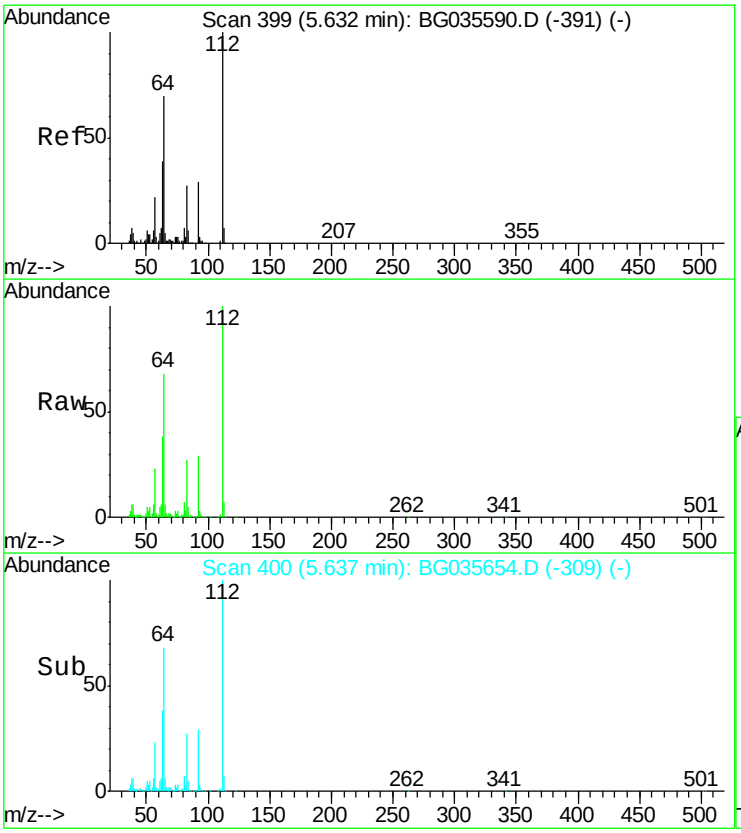

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:152 Resp: 43565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 140.2 | 126.6 | 189.8 |
| 115 | 64.4 | 53.0 | 79.4 |

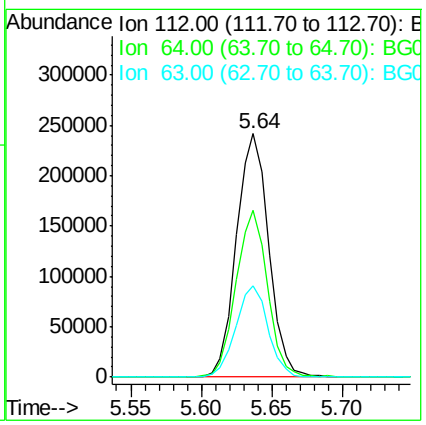


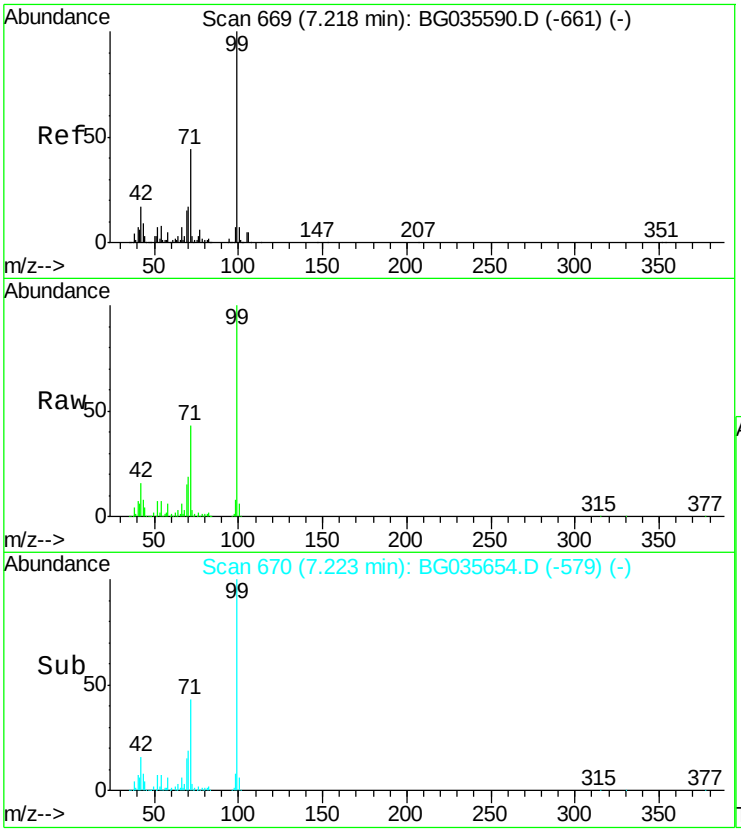




#5
2-Fluorophenol
Concen: 147.361 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:112 Resp: 386678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.4 | 56.3 | 84.5 |
| 63 | 37.5 | 30.1 | 45.1 |



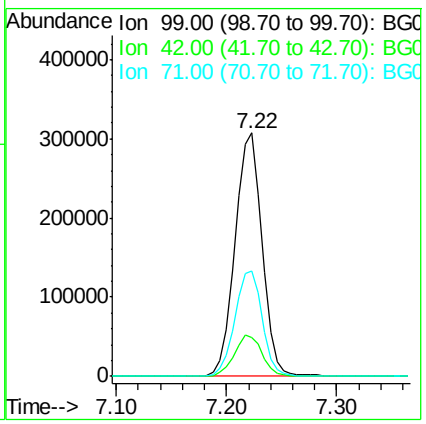


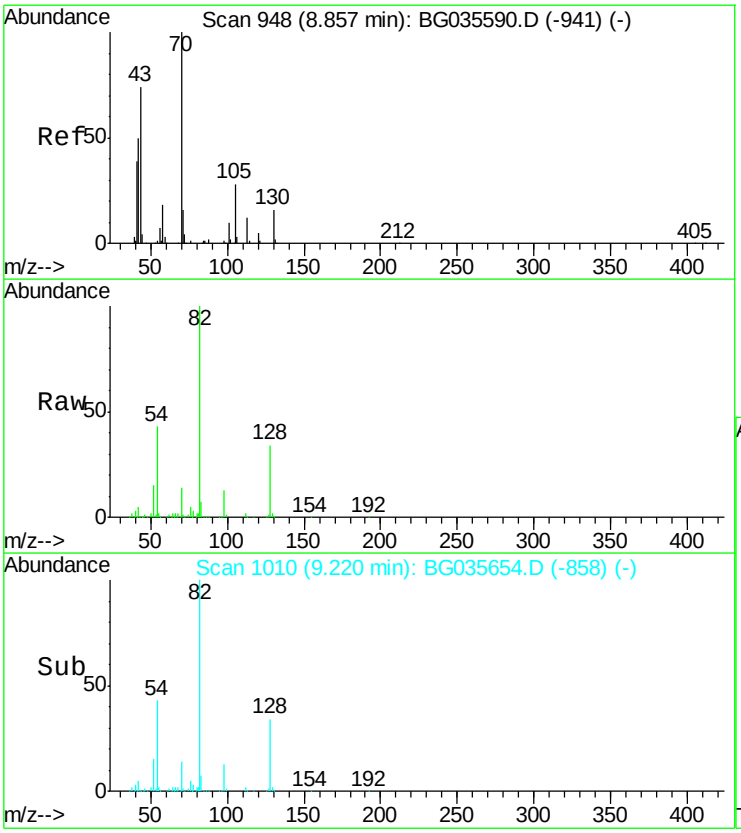

#7
Phenol-d6
Concen: 135.610 ng
RT: 7.22 min Scan# 670
Delta R.T. 0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion: 99 Resp: 530916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.8 | 14.1 | 21.1 |
| 71 | 43.2 | 26.1 | 39.1# |

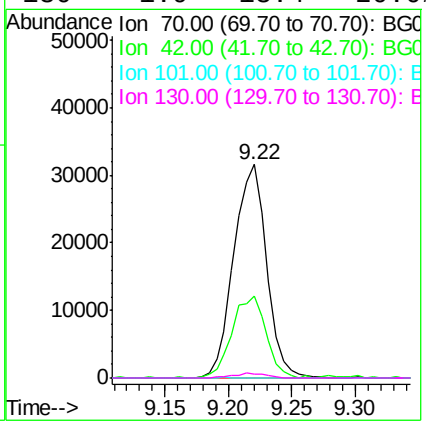


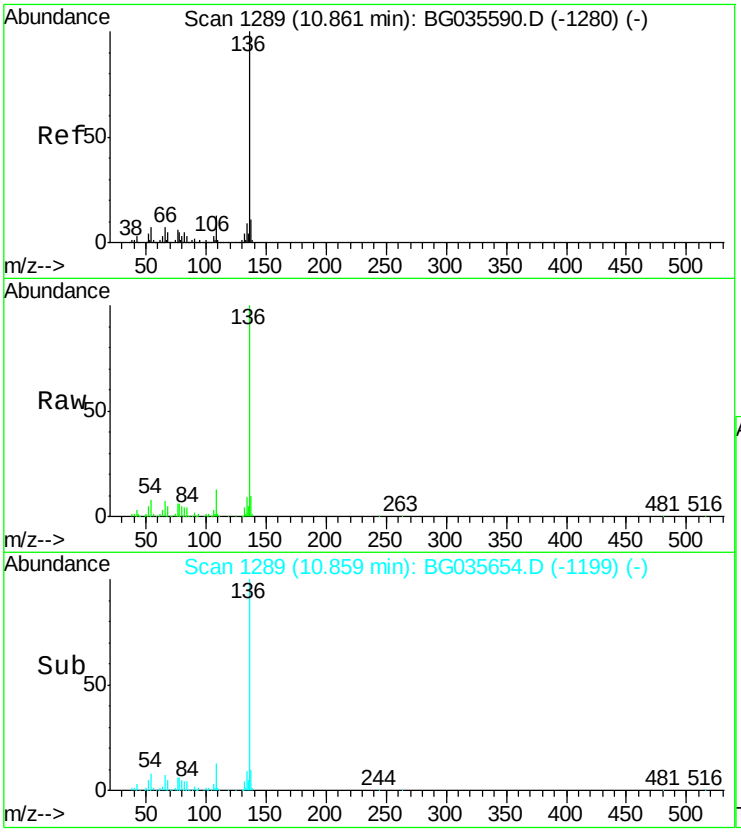




#19
n-Nitroso-di-n-propylamine
Concen: 17.208 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.36 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion: 70 Resp: 56731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.2 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 1.9 | 13.4 | 20.0# |



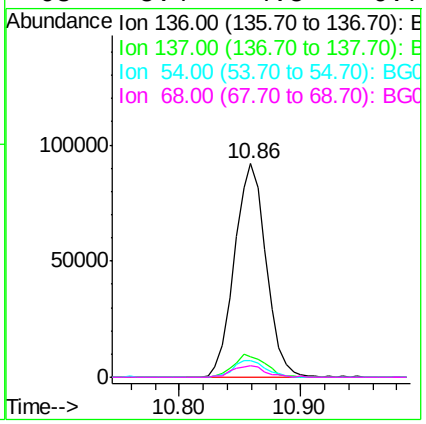


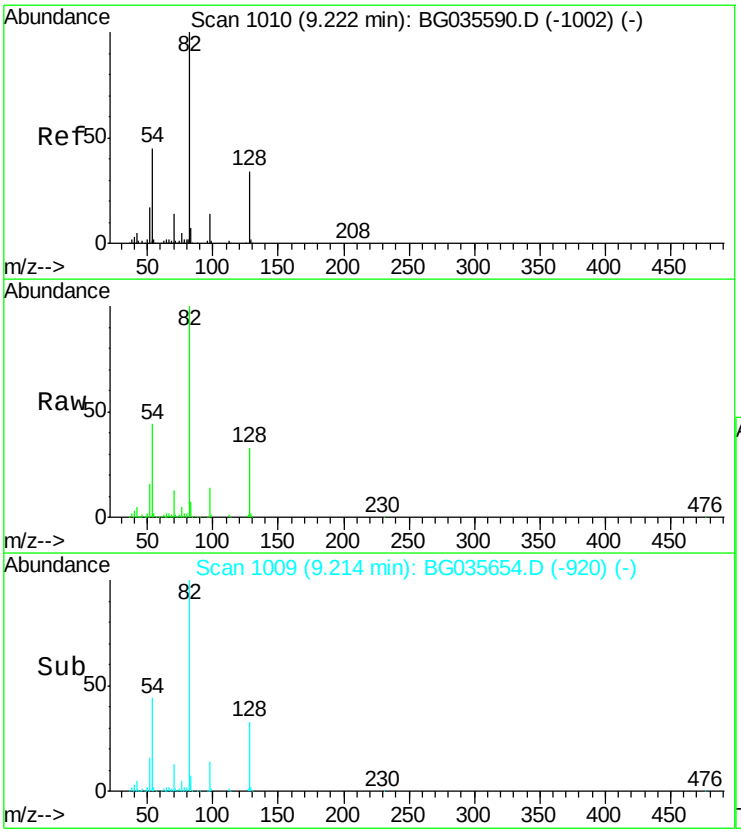

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:136 Resp: 167777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.7 | 9.2 | 13.8 |
| 54 | 8.1 | 10.3 | 15.5# |
| 68 | 5.4 | 4.5 | 6.7 |

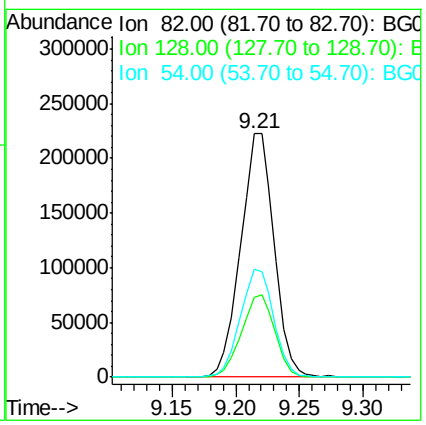


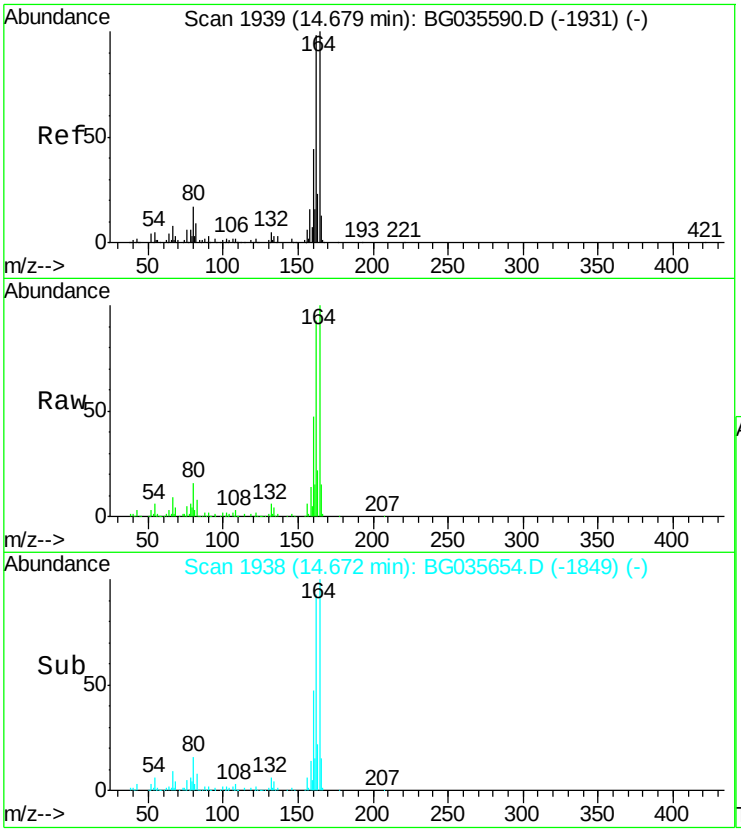




#23
Nitrobenzene-d5
Concen: 101.717 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion: 82 Resp: 408520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 32.5 | 29.7 | 44.5 |
| 54 | 44.3 | 43.1 | 64.7 |



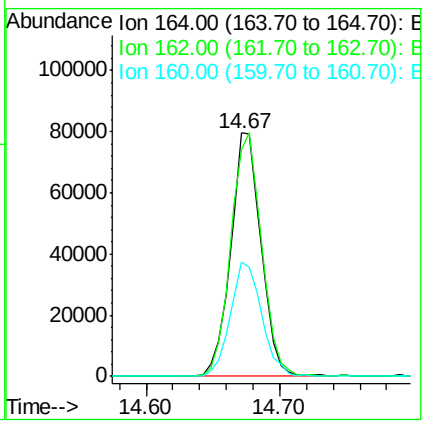


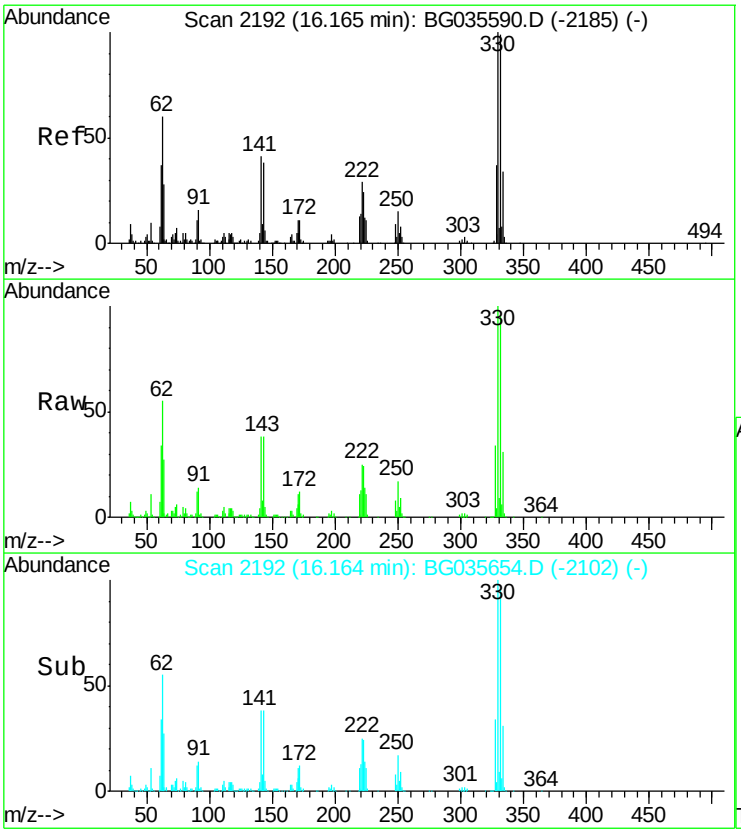

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:164 Resp: 125533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 93.4 | 78.8 | 118.2 |
| 160 | 47.2 | 35.4 | 53.0 |

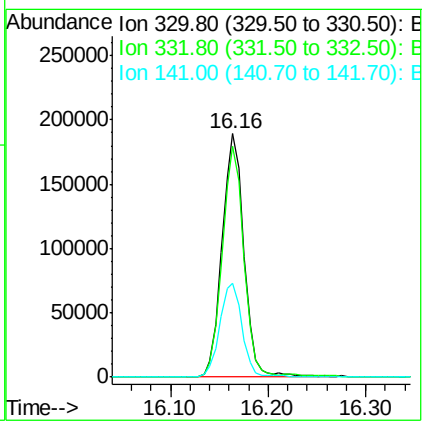


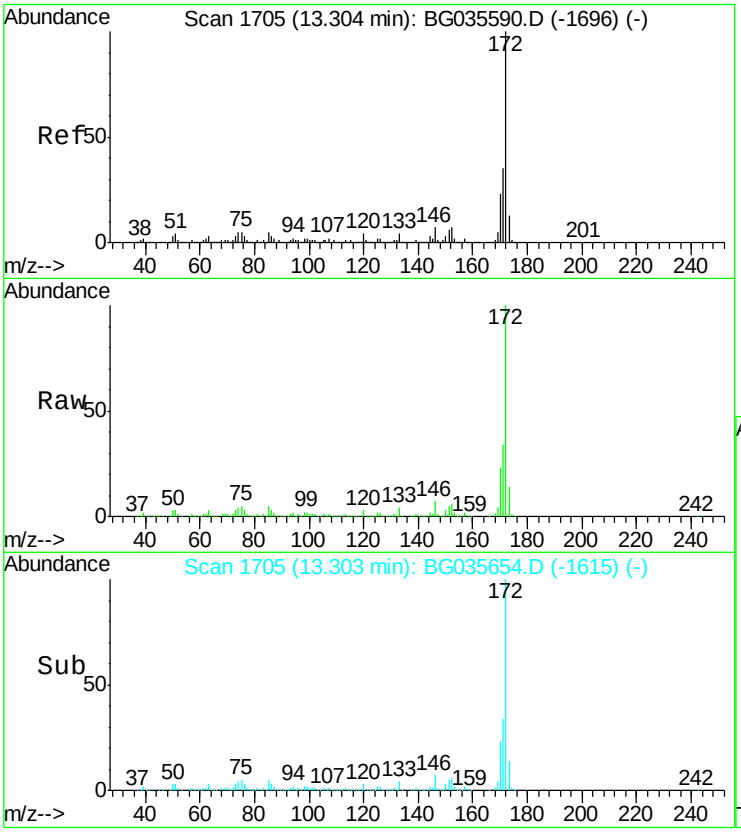




#41
2,4,6-Tribromophenol
Concen: 177.685 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:330 Resp: 293998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 77.0 | 115.6 |
| 141 | 39.2 | 25.2 | 37.8# |



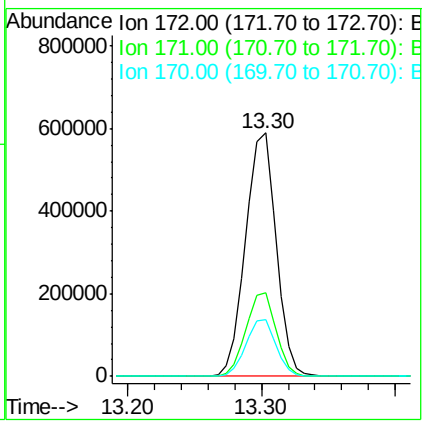


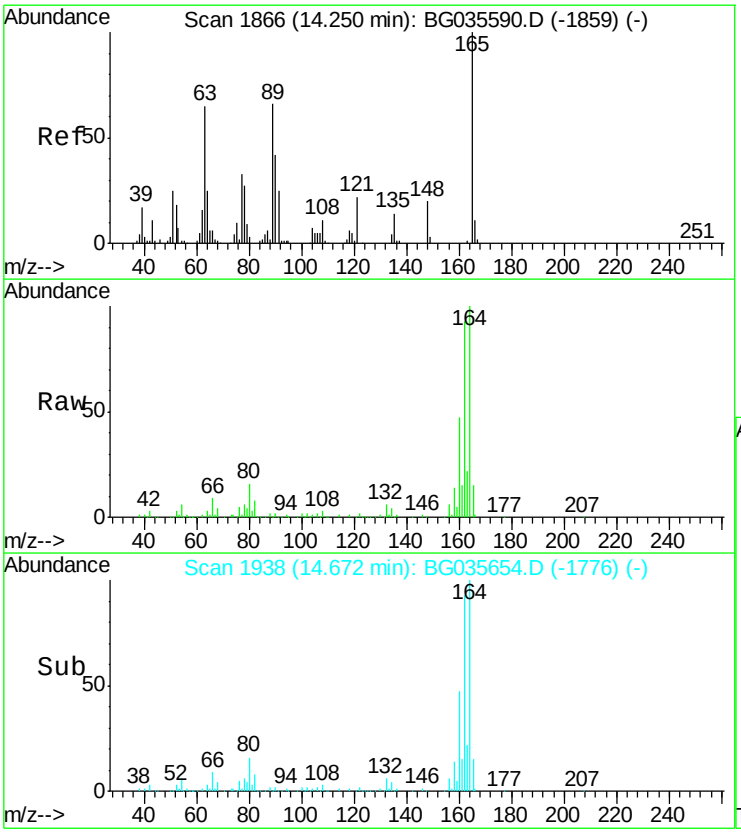

#44
2-Fluorobiphenyl
Concen: 99.238 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:172 Resp: 929852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.1 | 30.0 | 45.0 |
| 170 | 23.5 | 19.5 | 29.3 |

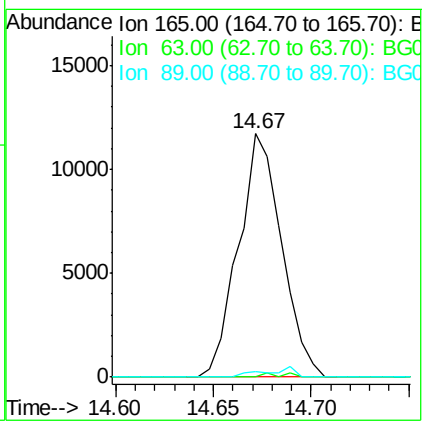


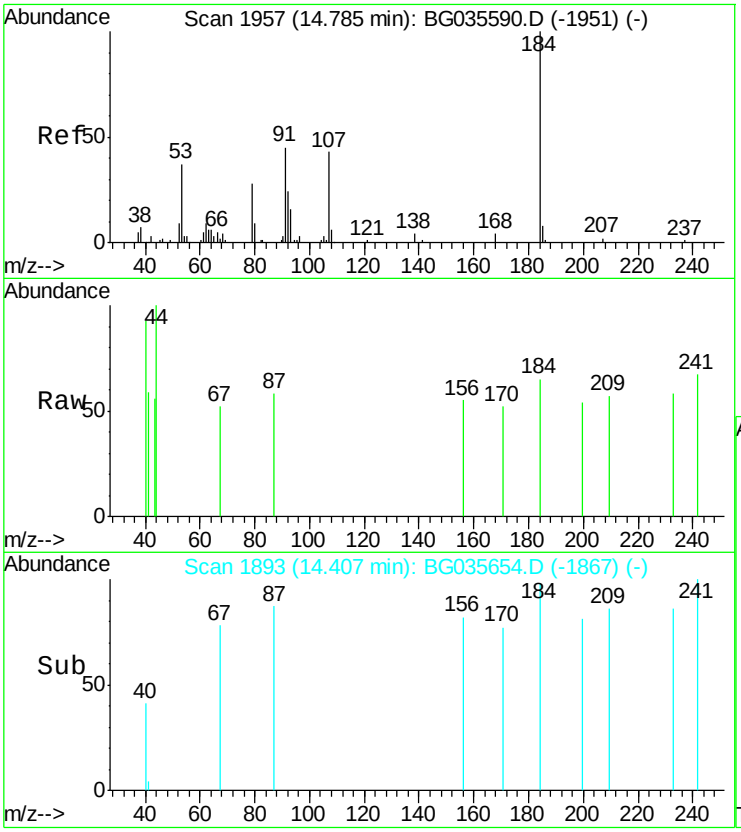




#50
2,6-Dinitrotoluene
Concen: 7.998 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:165 Resp: 17914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 52.7 | 79.1# |
| 89 | 2.2 | 49.2 | 73.8# |



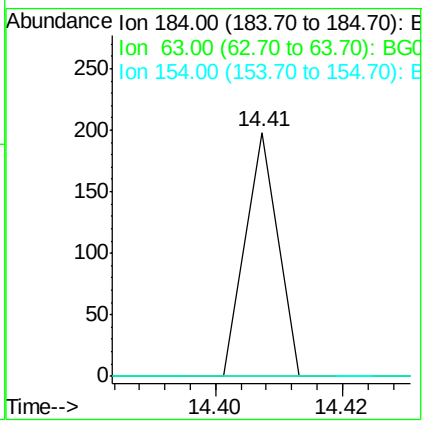


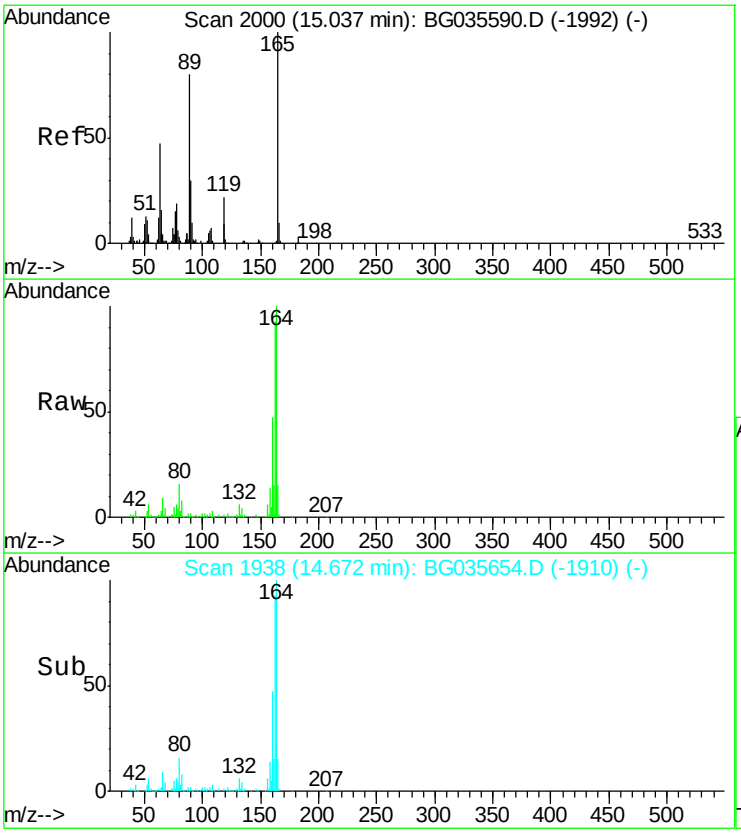

#53
2,4-Dinitrophenol
Concen: 6.638 ng
RT: 14.41 min Scan# 1893
Delta R.T. -0.38 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:184 Resp: 70

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

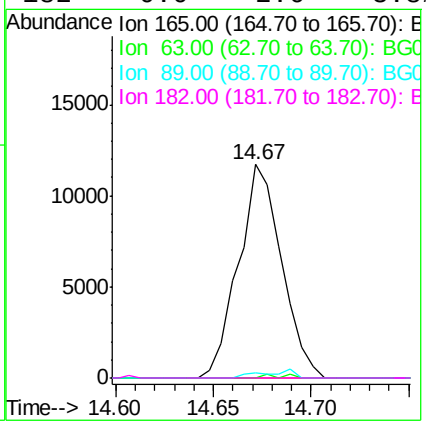


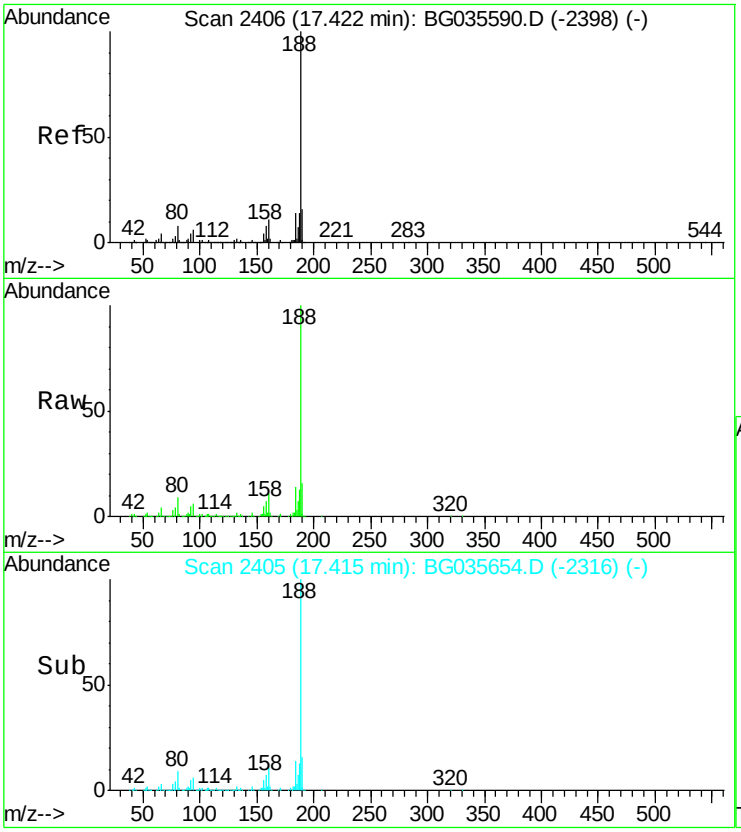




#56
2,4-Dinitrotoluene
Concen: 5.575 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:165 Resp: 17914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 42.0 | 63.0# |
| 89 | 2.2 | 66.9 | 100.3# |
| 182 | 0.0 | 2.6 | 3.8# |



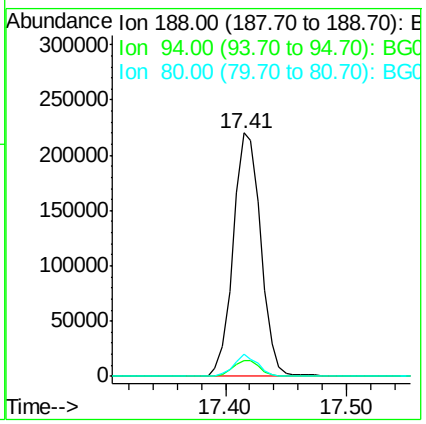


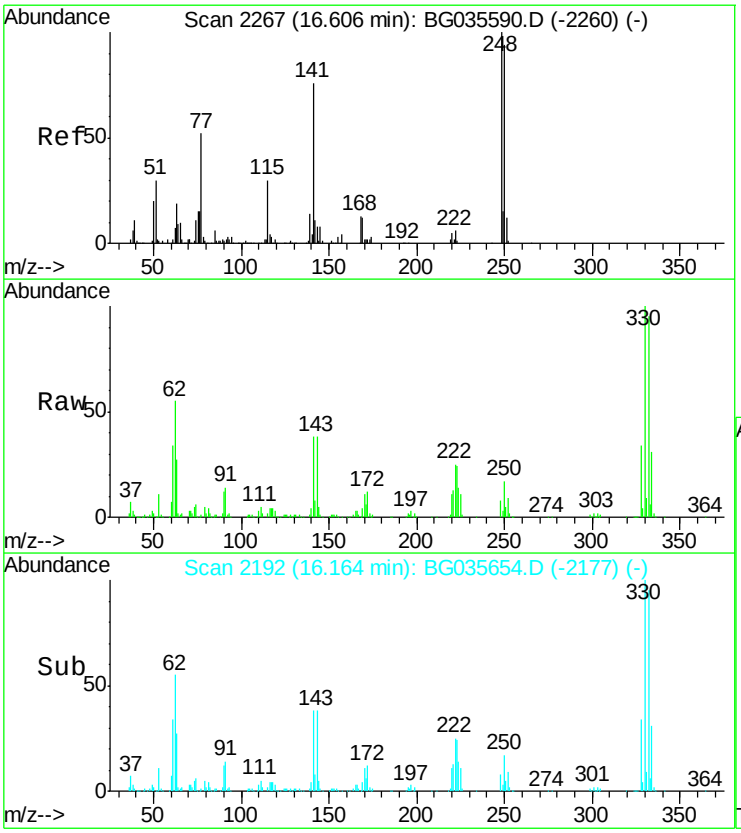

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:188 Resp: 351314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.4 | 6.9 | 10.3# |
| 80 | 9.0 | 7.7 | 11.5 |

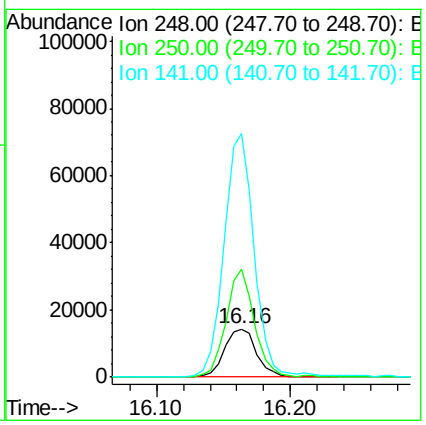


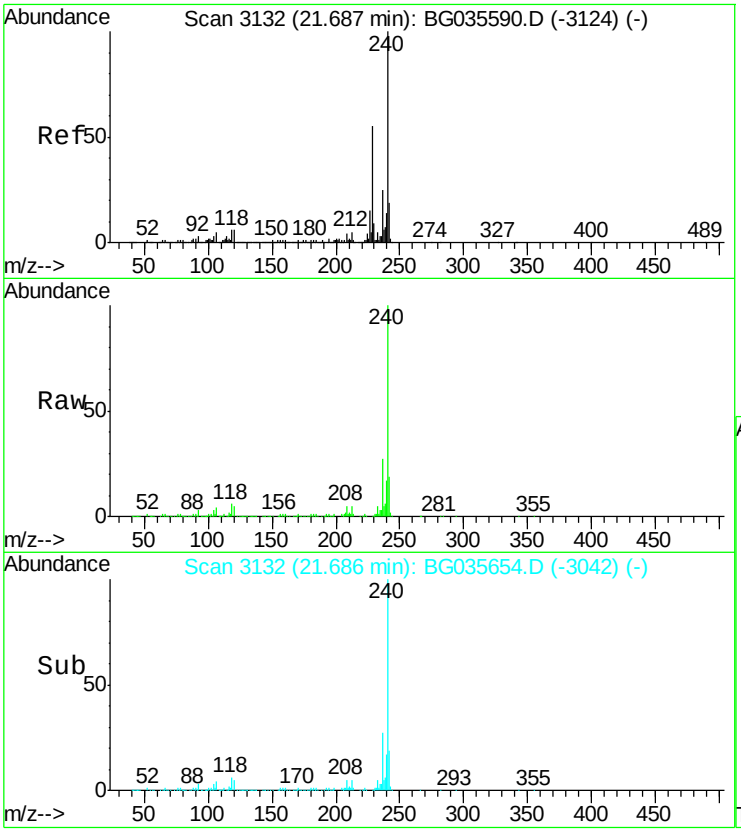




#66
4-Bromophenyl-phenylether
Concen: 5.905 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.44 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:248 Resp: 24066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 225.2 | 77.1 | 115.7# |
| 141 | 505.6 | 50.8 | 76.2# |



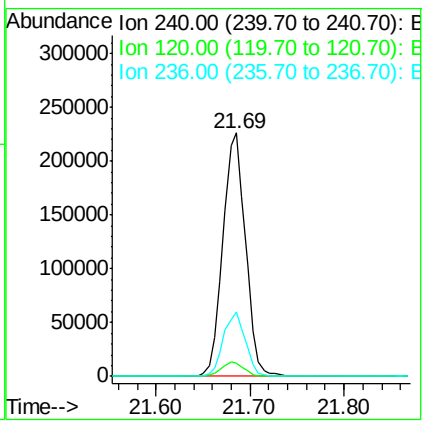


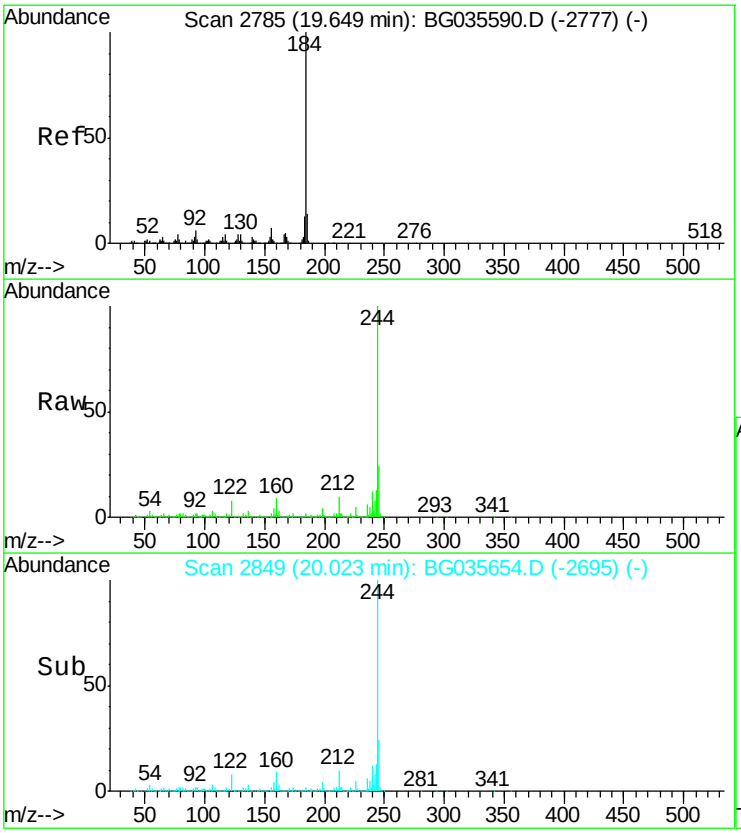

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:240 Resp: 377968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.3 | 6.8 | 10.2# |
| 236 | 26.5 | 20.9 | 31.3 |

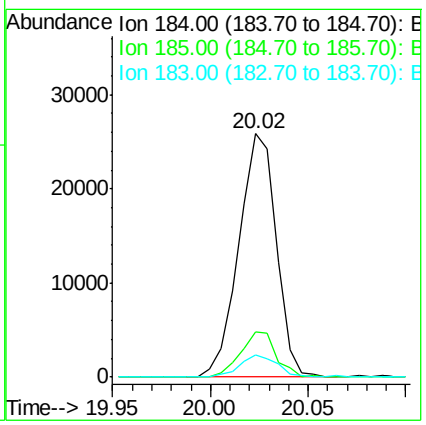


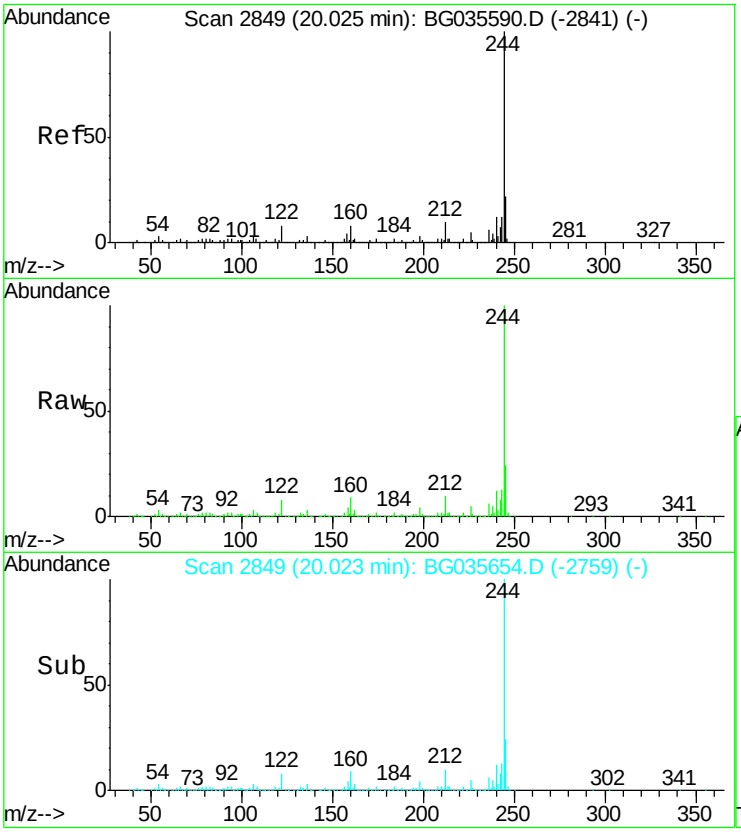




#76
Benzidine
Concen: 3.454 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.37 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:184 Resp: 34317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.8 | 11.1 | 16.7# |
| 183 | 8.9 | 10.6 | 16.0# |



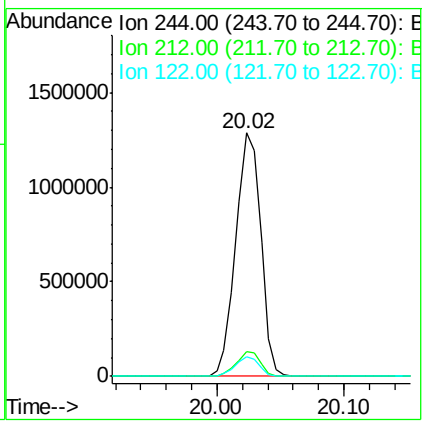


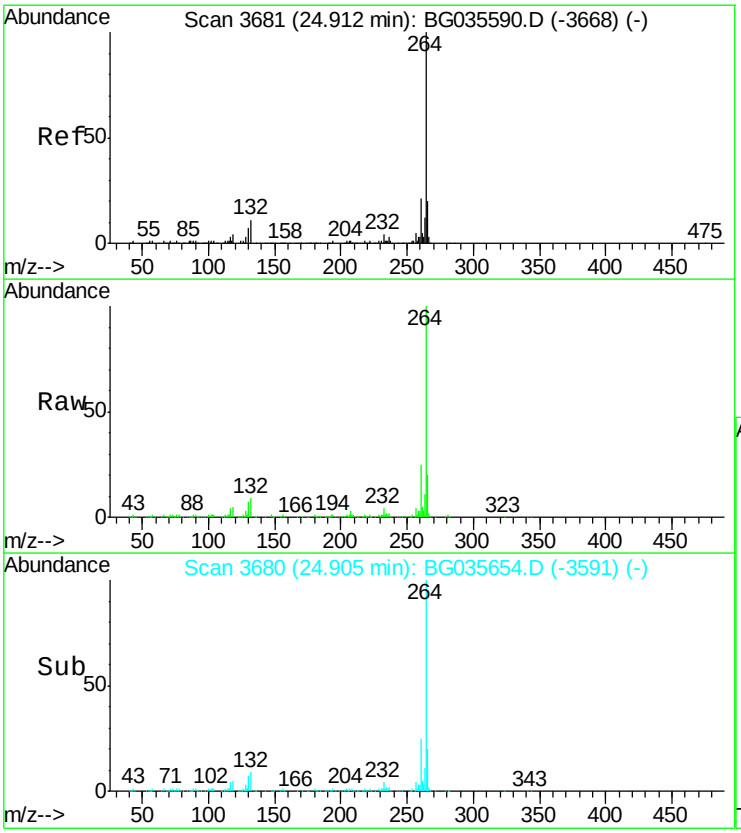

#78
Terphenyl-d14
Concen: 102.385 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

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

Tgt Ion:244 Resp: 1755588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.3 | 5.8 | 8.8# |
| 122 | 8.0 | 7.0 | 10.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:264 Resp: 354405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 17.4 | 26.0 |
| 265 | 20.3 | 17.7 | 26.5 |