Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
Data File : BG038917.D
Acq On : 3 Jan 2019 23:57
Operator : JU/SJ
Sample : K1017-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :**

Quant Time: Jan 04 04:14:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 26941 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.87 | 136 | 106945 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 79469 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 212668 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.71 | 240 | 215779 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 25.00 | 264 | 220261 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 166728 | 109.76 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 200114 | 95.97 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 172695 | 82.50 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 153891 | 140.51 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 472465 | 81.56 | ng | -0.01 |
| 79) Terphenyl-d14 | 20.04 | 244 | 966245 | 97.45 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.23 | 70 | 22824 | 15.584 | ng | # 69 |
| 31) Naphthalene | 10.92 | 128 | 16495 | 3.130 | ng | # 94 |
| 51) 2,6-Dinitrotoluene | 14.69 | 165 | 10128 | 6.887 | ng | # 22 |
| 57) 2,4-Dinitrotoluene | 14.69 | 165 | 10128 | 4.889 | ng | # 23 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 9801 | 3.774 | ng | # 1 |
| 77) Benzidine | 20.03 | 184 | 16317 | 2.557 | ng | # 94 |

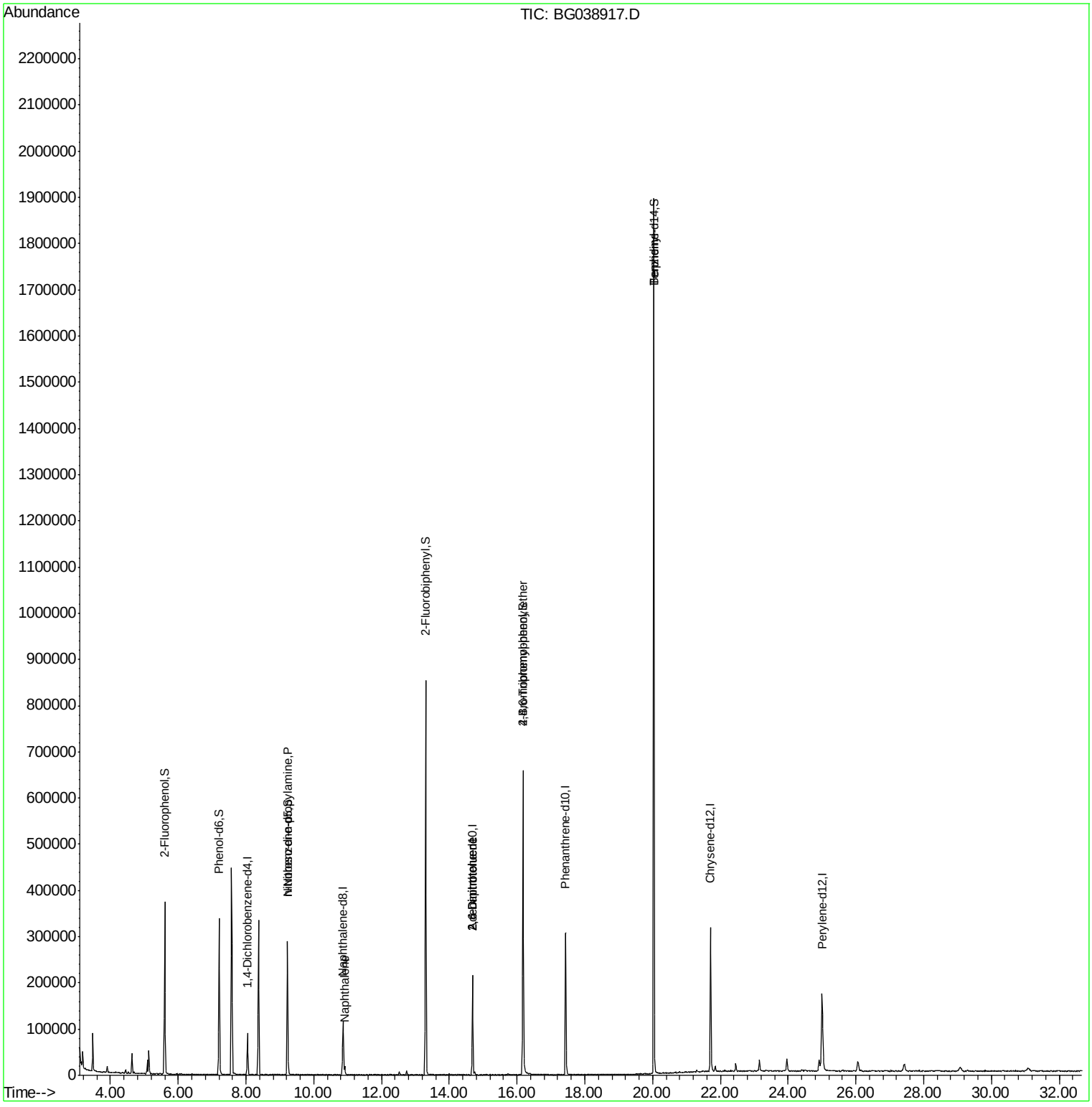
(#) = qualifier out of range (m) = manual integration (+) = signals summed

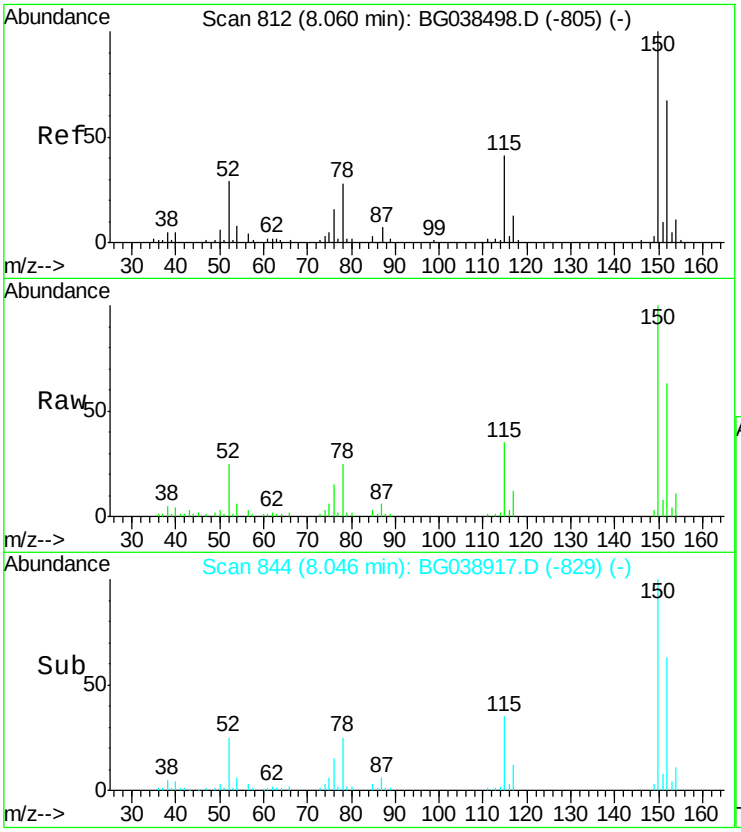
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
Data File : BG038917.D
Acq On : 3 Jan 2019 23:57
Operator : JU/SJ
Sample : K1017-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**

Quant Time: Jan 04 04:14:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



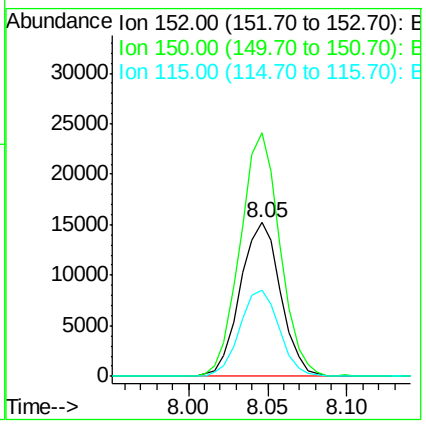


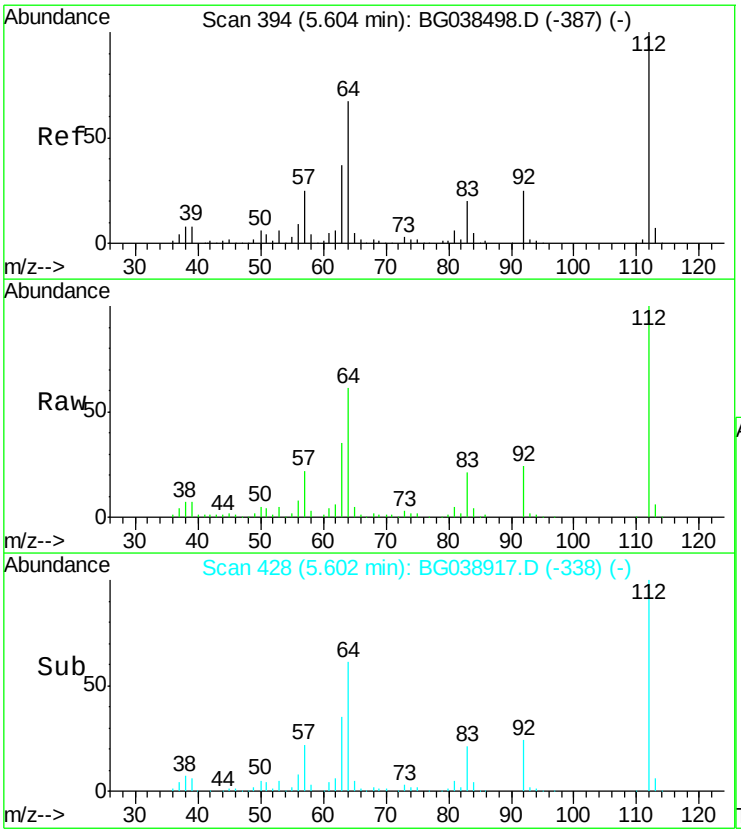

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:152 Resp: 26941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 119.5 | 179.3 |
| 115 | 56.2 | 49.6 | 74.4 |

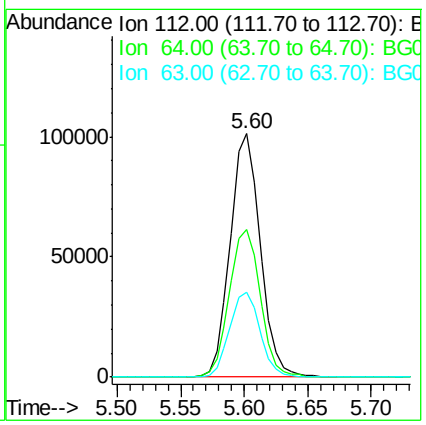


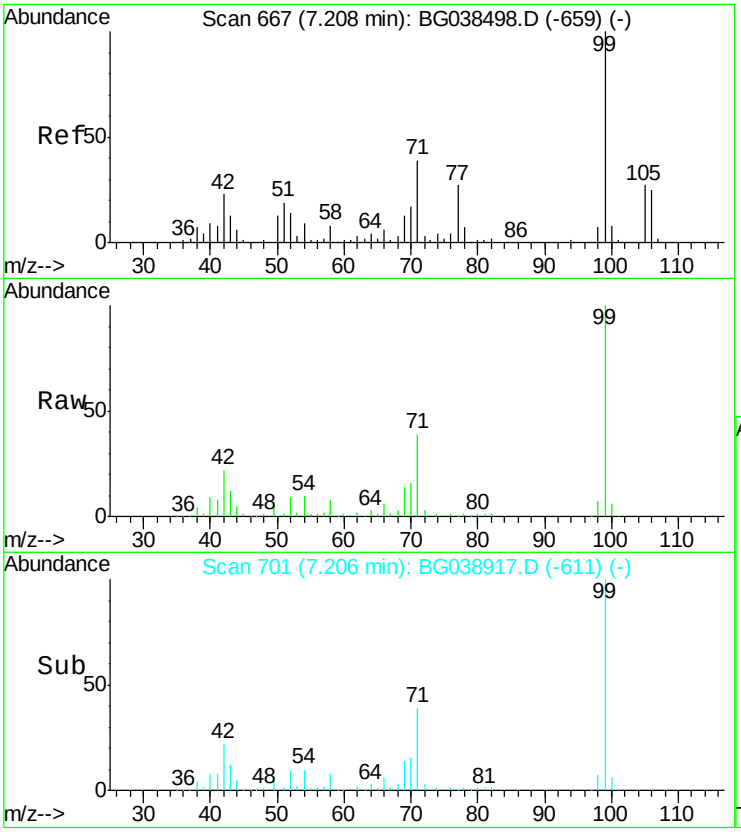




#5
2-Fluorophenol
Concen: 109.765 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:112 Resp: 166728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 53.4 | 80.2 |
| 63 | 34.9 | 29.3 | 43.9 |



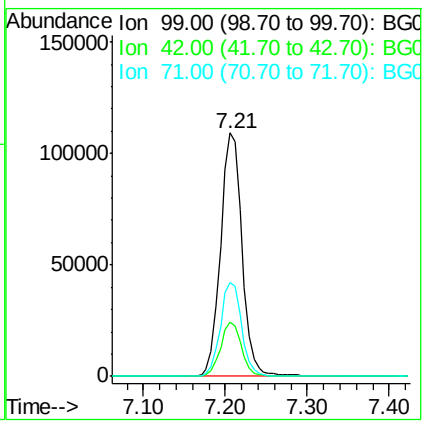


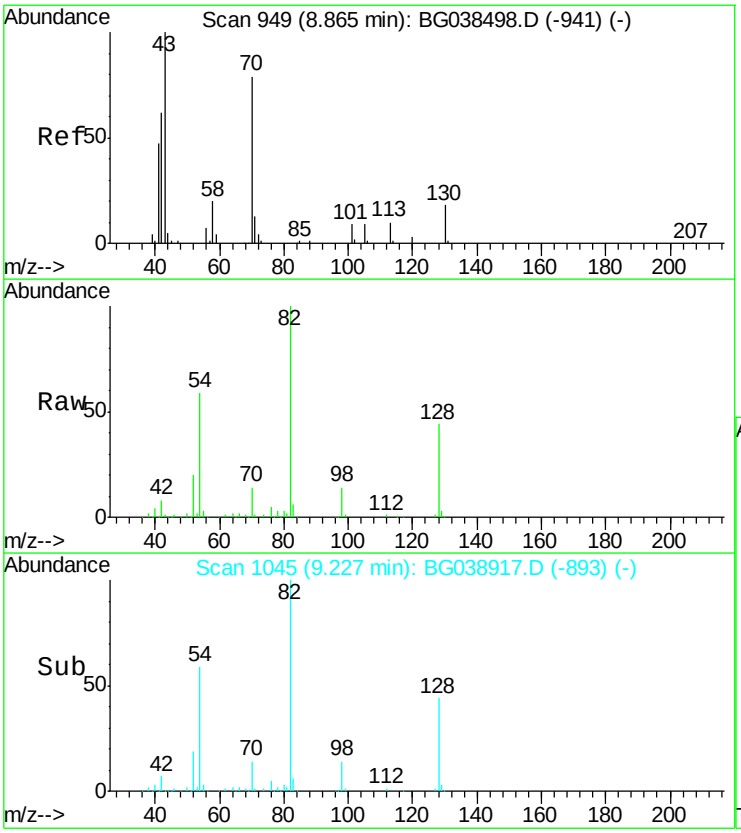

#7
Phenol-d6
Concen: 95.967 ng
RT: 7.21 min Scan# 701
Delta R.T. -0.00 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion: 99 Resp: 200114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.3 | 18.5 | 27.7 |
| 71 | 38.8 | 31.1 | 46.7 |

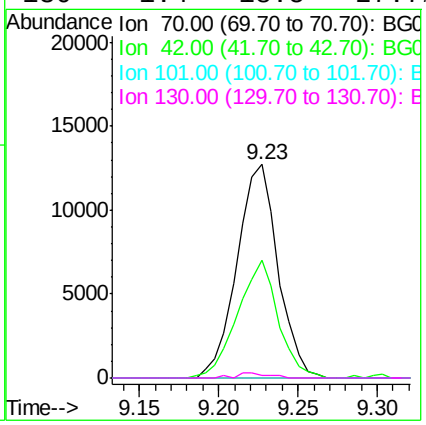


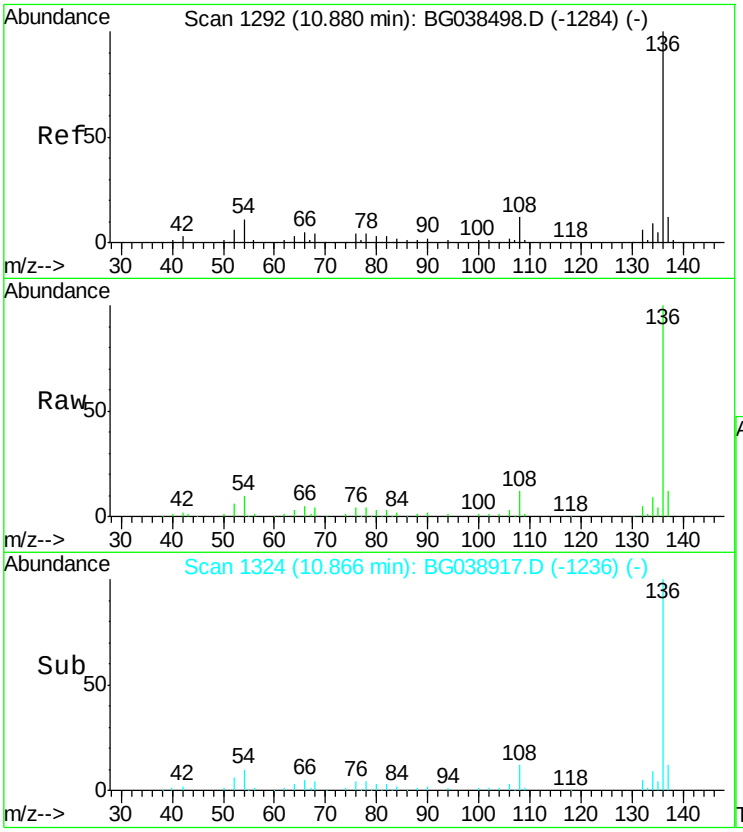




#19
n-Nitroso-di-n-propylamine
Concen: 15.584 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.36 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion: 70 Resp: 22824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.4 | 63.6 | 95.4# |
| 101 | 0.0 | 9.2 | 13.8# |
| 130 | 1.4 | 18.5 | 27.7# |



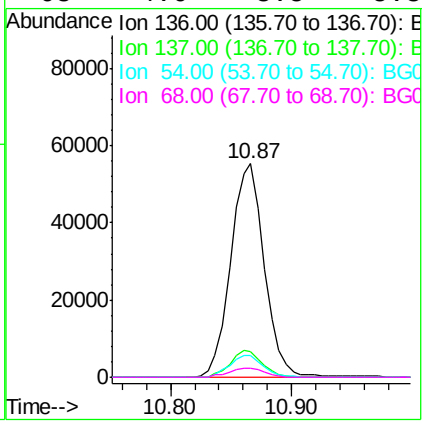


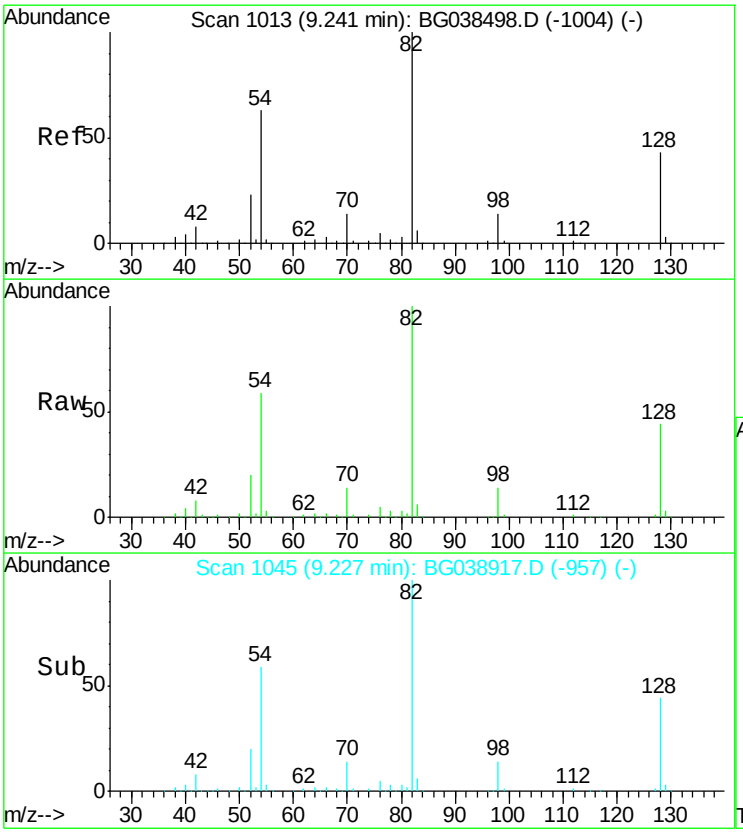

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:136 Resp: 106945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.3 | 13.9 |
| 54 | 10.0 | 8.5 | 12.7 |
| 68 | 4.0 | 3.5 | 5.3 |

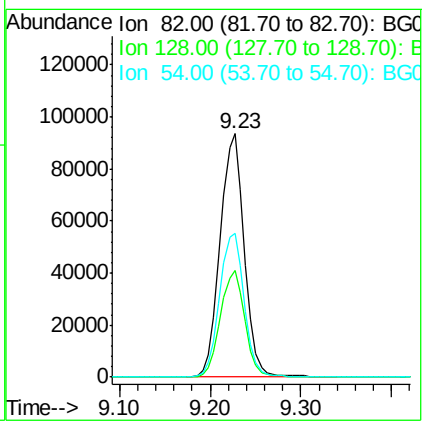


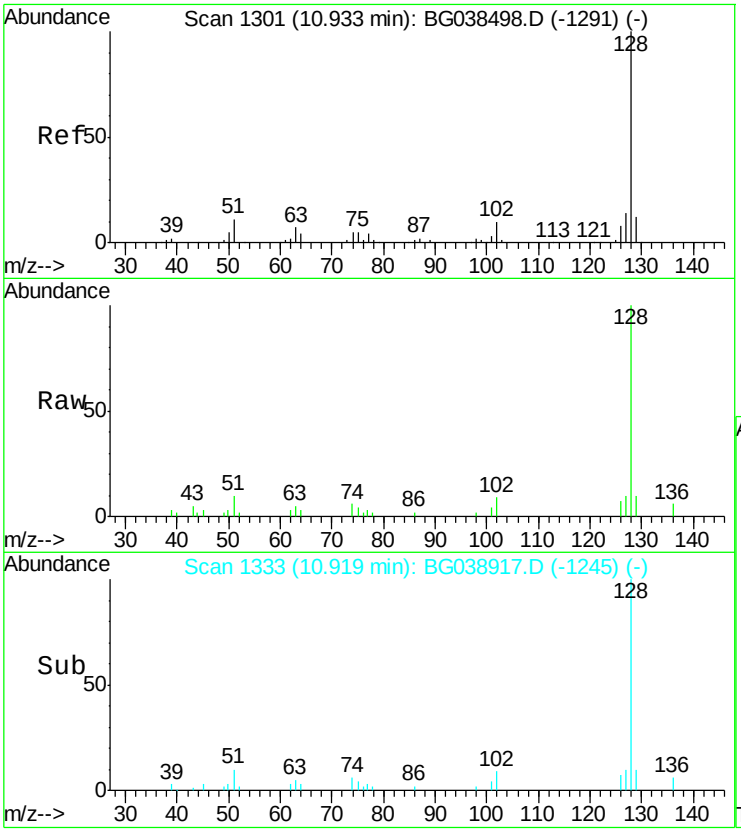




#23
Nitrobenzene-d5
Concen: 82.496 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion: 82 Resp: 172695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 34.6 | 52.0 |
| 54 | 59.1 | 50.6 | 76.0 |



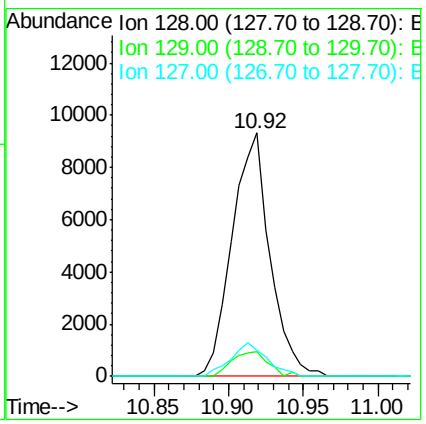


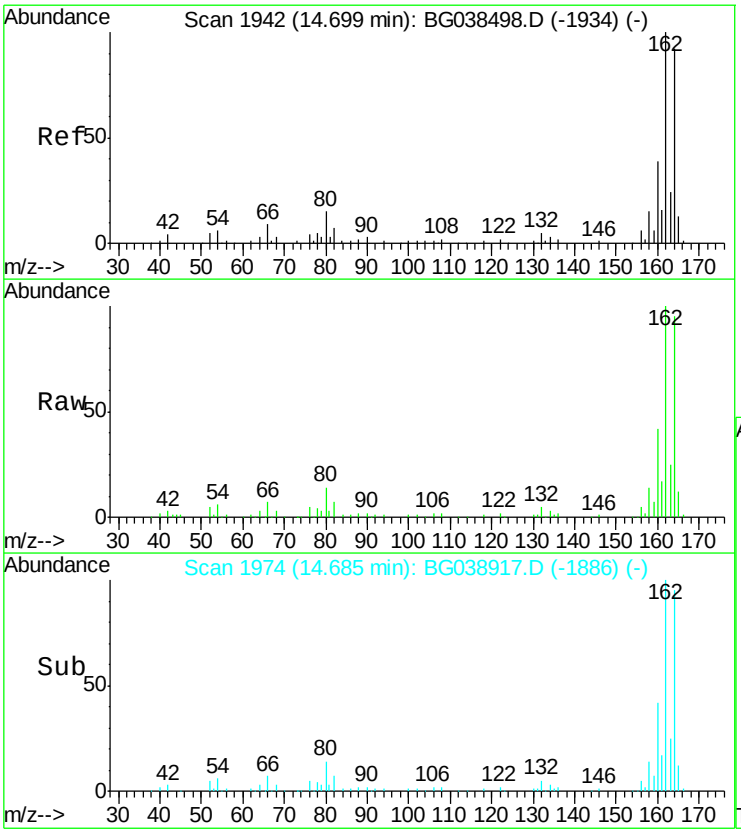

#31
Naphthalene
Concen: 3.130 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:128 Resp: 16495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.2 | 9.5 | 14.3 |
| 127 | 10.4 | 10.9 | 16.3# |

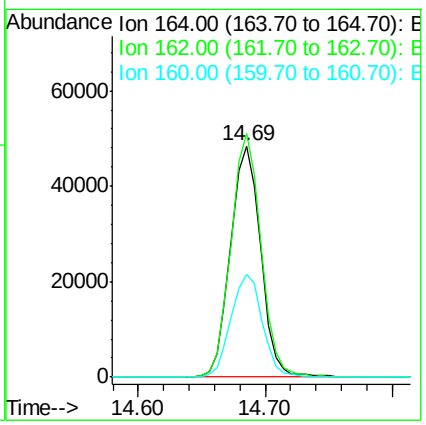


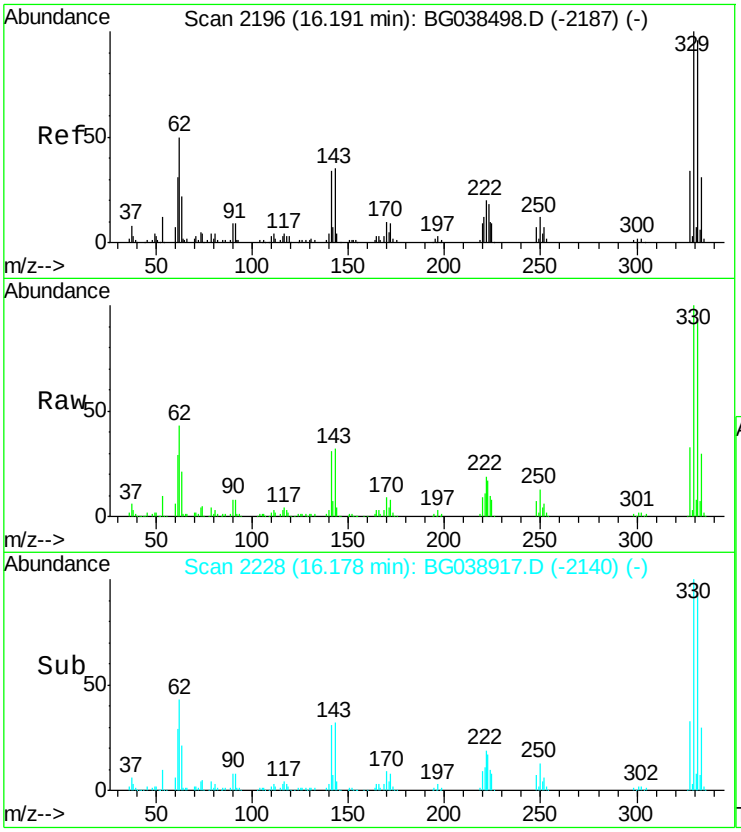




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:164 Resp: 79469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.2 | 86.6 | 130.0 |
| 160 | 44.7 | 34.2 | 51.2 |



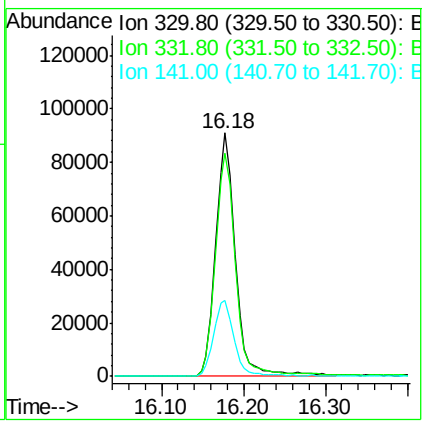


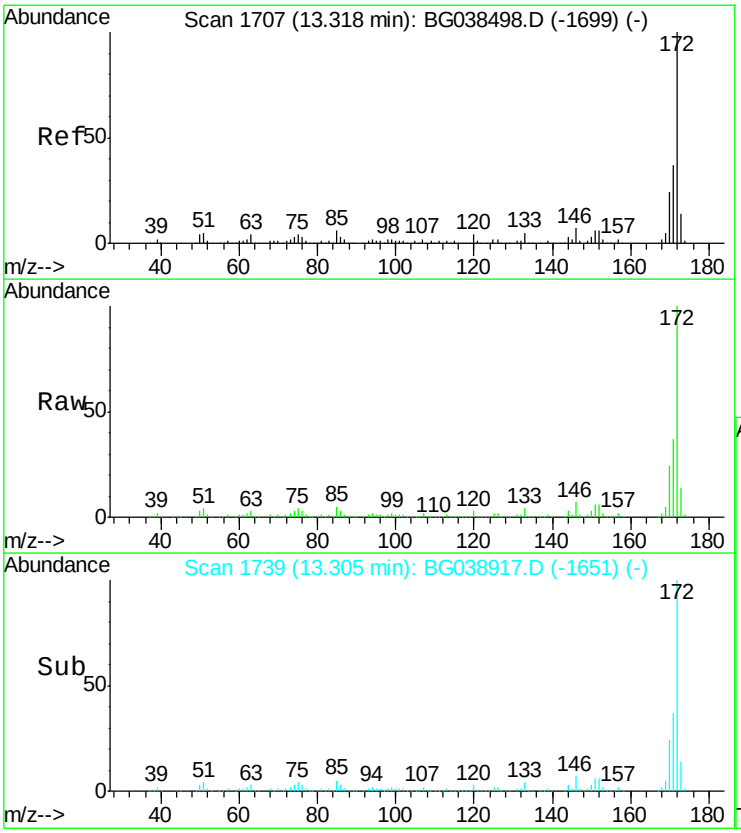

#42
2,4,6-Tribromophenol
Concen: 140.511 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:330 Resp: 153891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 76.9 | 115.3 |
| 141 | 31.6 | 28.8 | 43.2 |

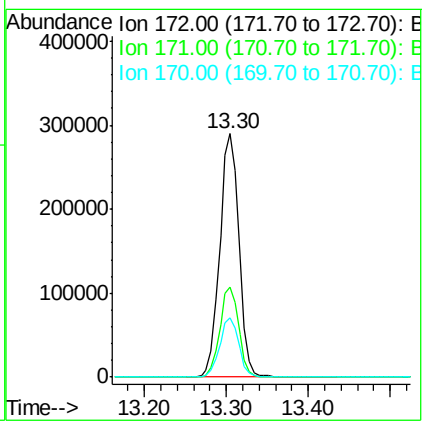


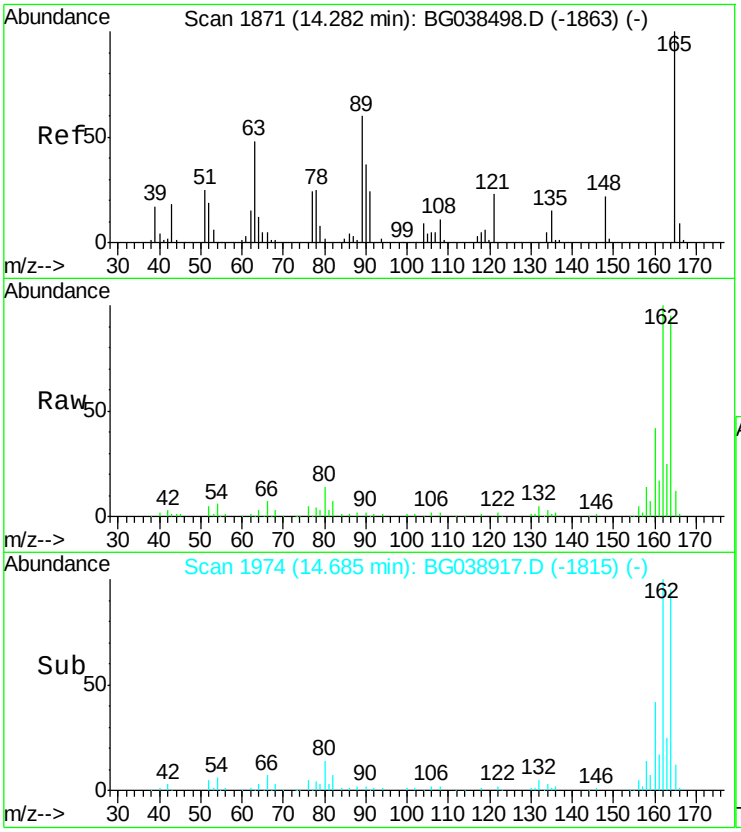




#45
2-Fluorobiphenyl
Concen: 81.560 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:172 Resp: 472465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.8 | 44.6 |
| 170 | 24.5 | 19.5 | 29.3 |



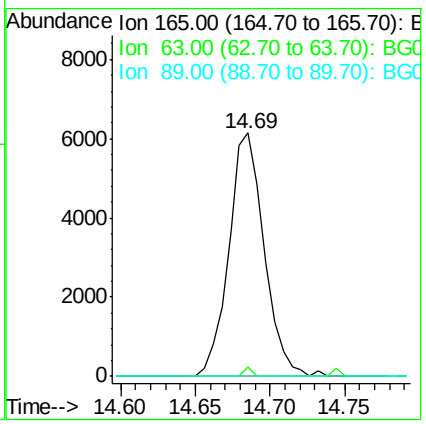


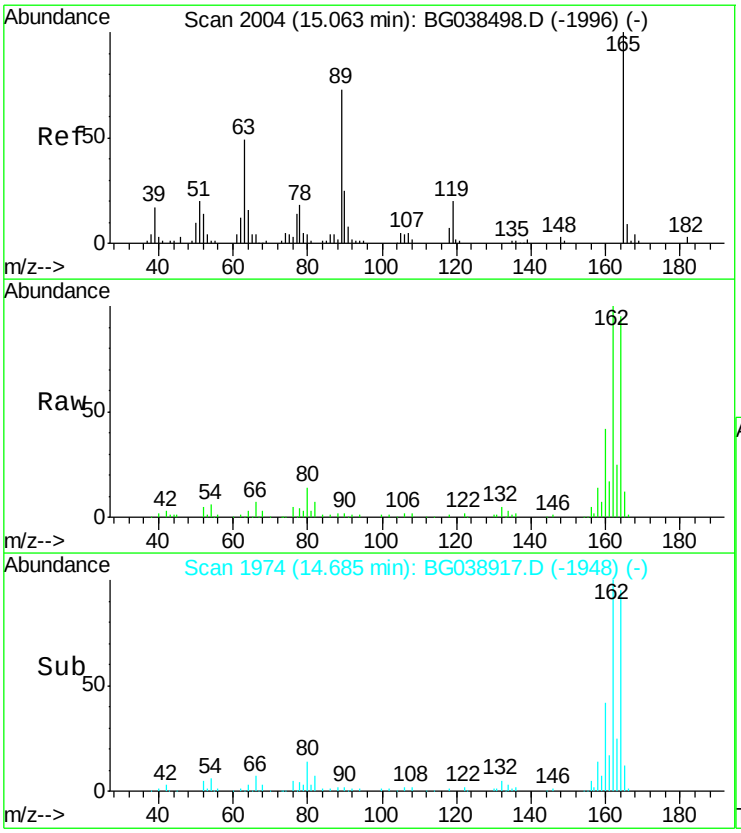

#51
2,6-Dinitrotoluene
Concen: 6.887 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.40 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:165 Resp: 10128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 3.9 | 51.8 | 77.6# |
| 89 | 0.0 | 47.9 | 71.9# |

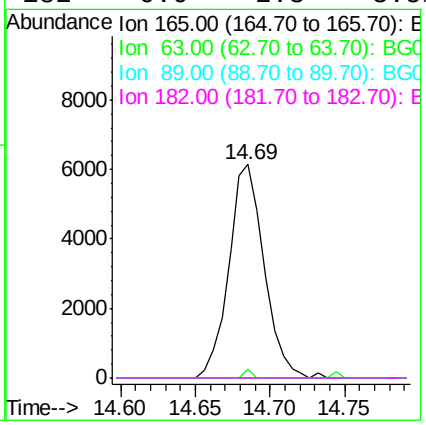


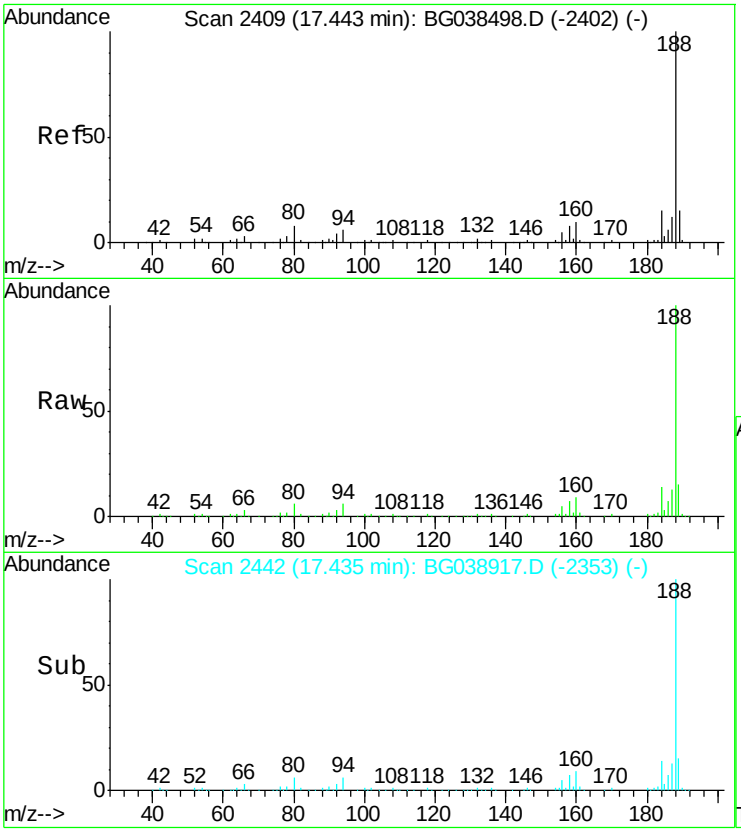




#57
2,4-Dinitrotoluene
Concen: 4.889 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.38 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:165 Resp: 10128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 3.9 | 39.0 | 58.4# |
| 89 | 0.0 | 58.0 | 87.0# |
| 182 | 0.0 | 2.3 | 3.5# |



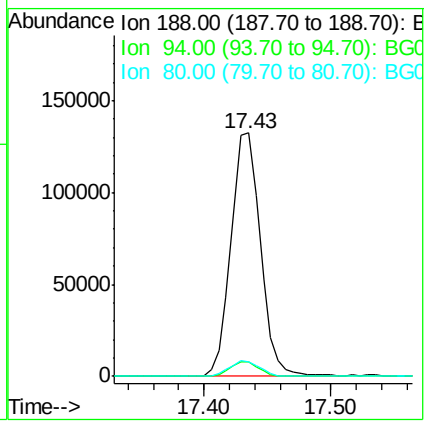


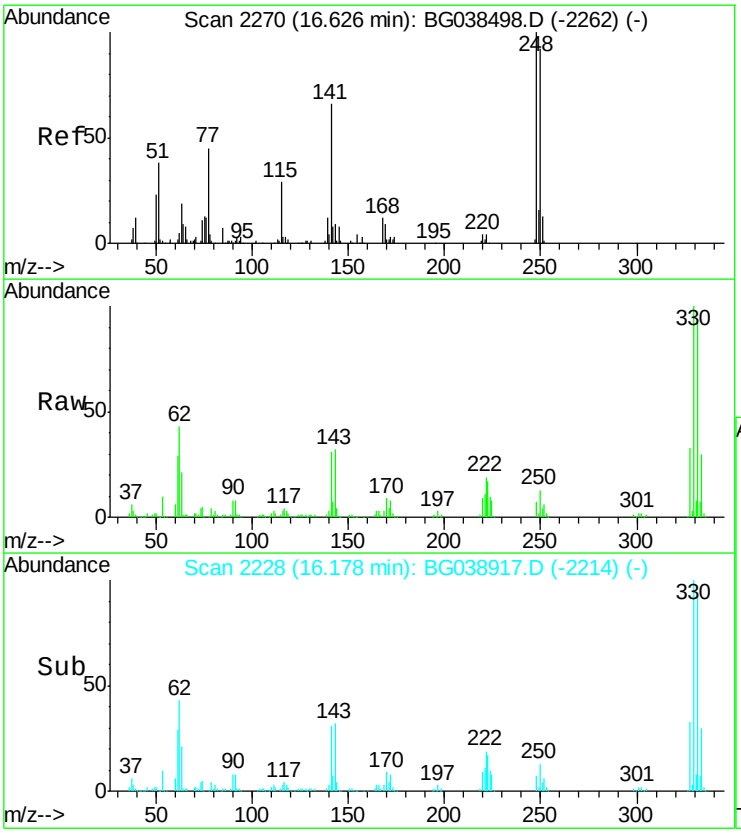

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:188 Resp: 212668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.8 | 5.1 | 7.7 |
| 80 | 6.1 | 6.1 | 9.1# |

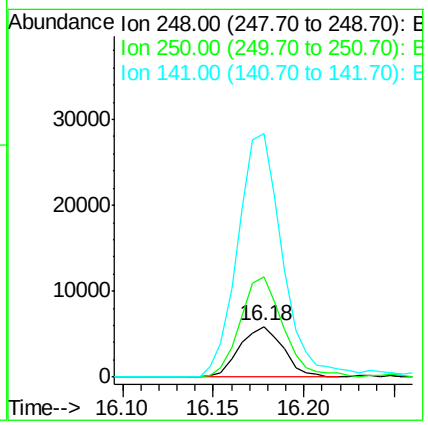


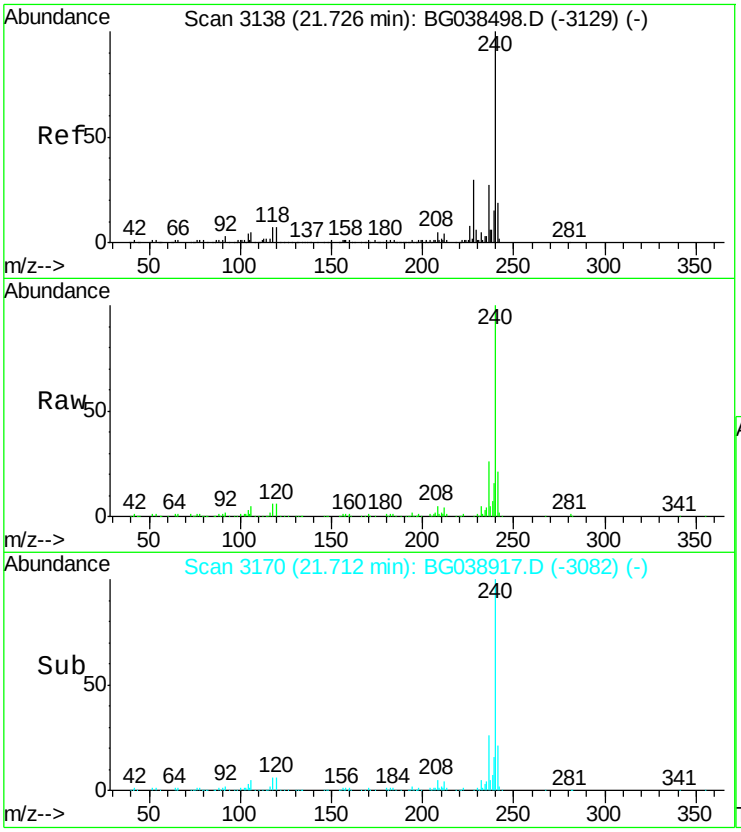




#67
4-Bromophenyl-phenylether
Concen: 3.774 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:248 Resp: 9801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 251.8 | 73.4 | 110.2# |
| 141 | 477.9 | 52.9 | 79.3# |



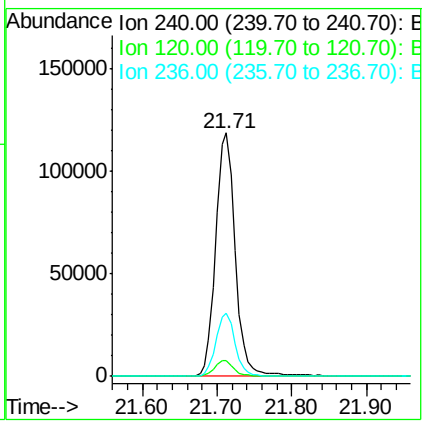


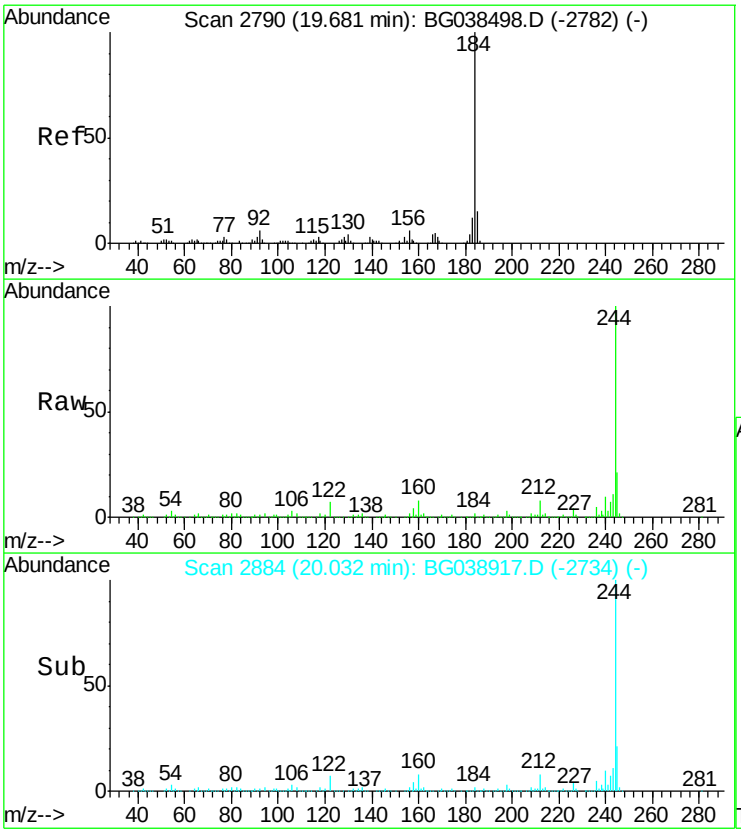

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:240 Resp: 215779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.4 | 5.3 | 7.9 |
| 236 | 25.8 | 21.4 | 32.2 |

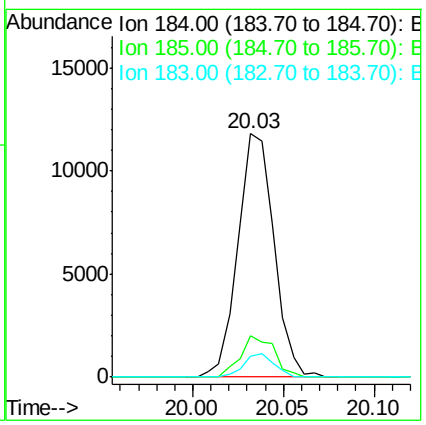


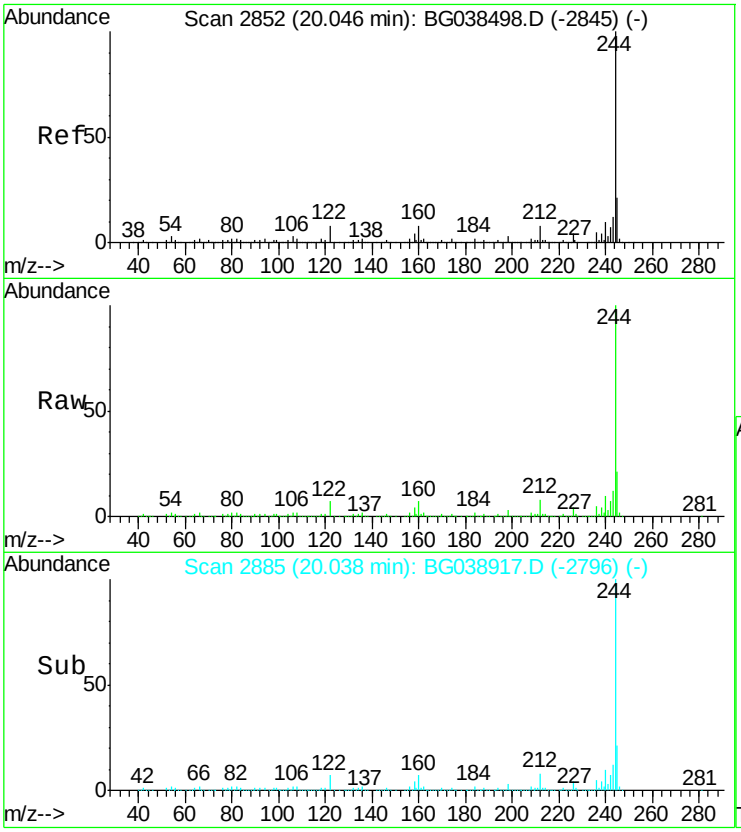




#77
Benzidine
Concen: 2.557 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.35 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:184 Resp: 16317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.0 | 12.2 | 18.2 |
| 183 | 8.5 | 9.6 | 14.4# |



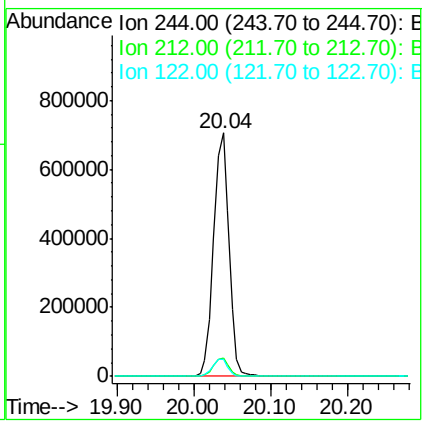


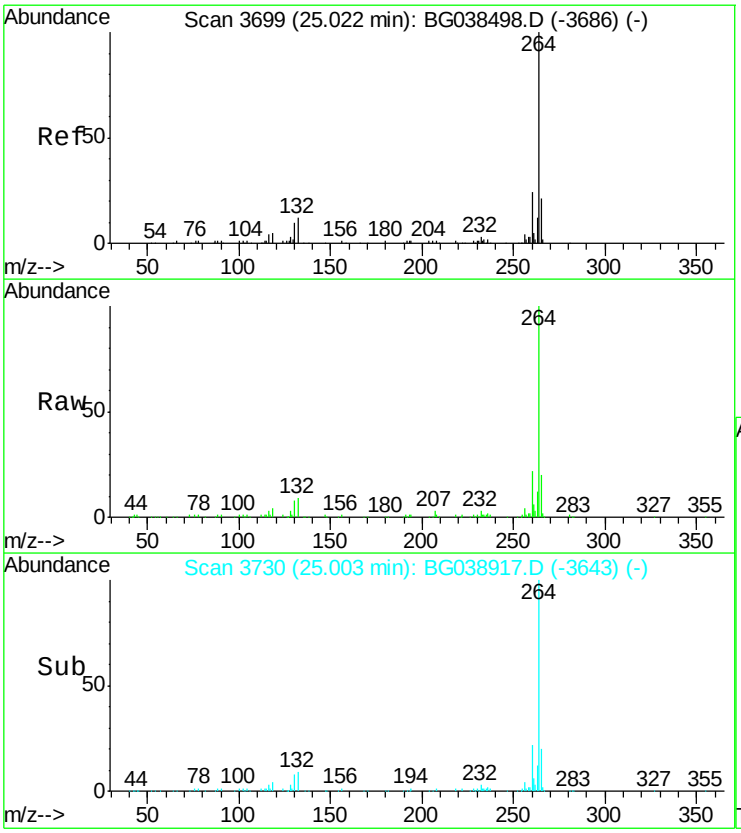

#79
Terphenyl-d14
Concen: 97.455 ng
RT: 20.04 min Scan# 2885
Delta R.T. -0.01 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:244 Resp: 966245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.2 | 9.2 |
| 122 | 6.9 | 6.3 | 9.5 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3730
Delta R.T. -0.02 min
Lab File: BG038917.D
Acq: 3 Jan 2019 23:57

Tgt Ion:264 Resp: 220261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.0 | 18.9 | 28.3 |
| 265 | 20.2 | 17.0 | 25.4 |