Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
Data File : BG038766.D
Acq On : 20 Dec 2018 17:33
Operator : JU/SJ
Sample : PB115871BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB115871BL

Quant Time: Dec 21 00:20:10 2018
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 | 20373 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 83920 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 58947 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 153995 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 159792 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 162894 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 171507 | 149.31 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 235224 | 149.17 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 140672 | 85.64 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 117723 | 144.91 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 379801 | 88.39 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 750319 | 102.19 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Benzyl Alcohol | 8.38 | 79 | 2734 | 2.221 | ng | # 61 |
| 19) n-Nitroso-di-n-propylamine | 9.23 | 70 | 18911 | 17.075 | ng | # 64 |
| 51) 2,6-Dinitrotoluene | 14.69 | 165 | 7333 | 6.722 | ng | # 19 |
| 57) 2,4-Dinitrotoluene | 14.69 | 165 | 7333 | 4.773 | ng | # 21 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 7307 | 3.885 | ng | # 1 |
| 77) Benzidine | 20.04 | 184 | 12369 | 2.617 | ng | 97 |

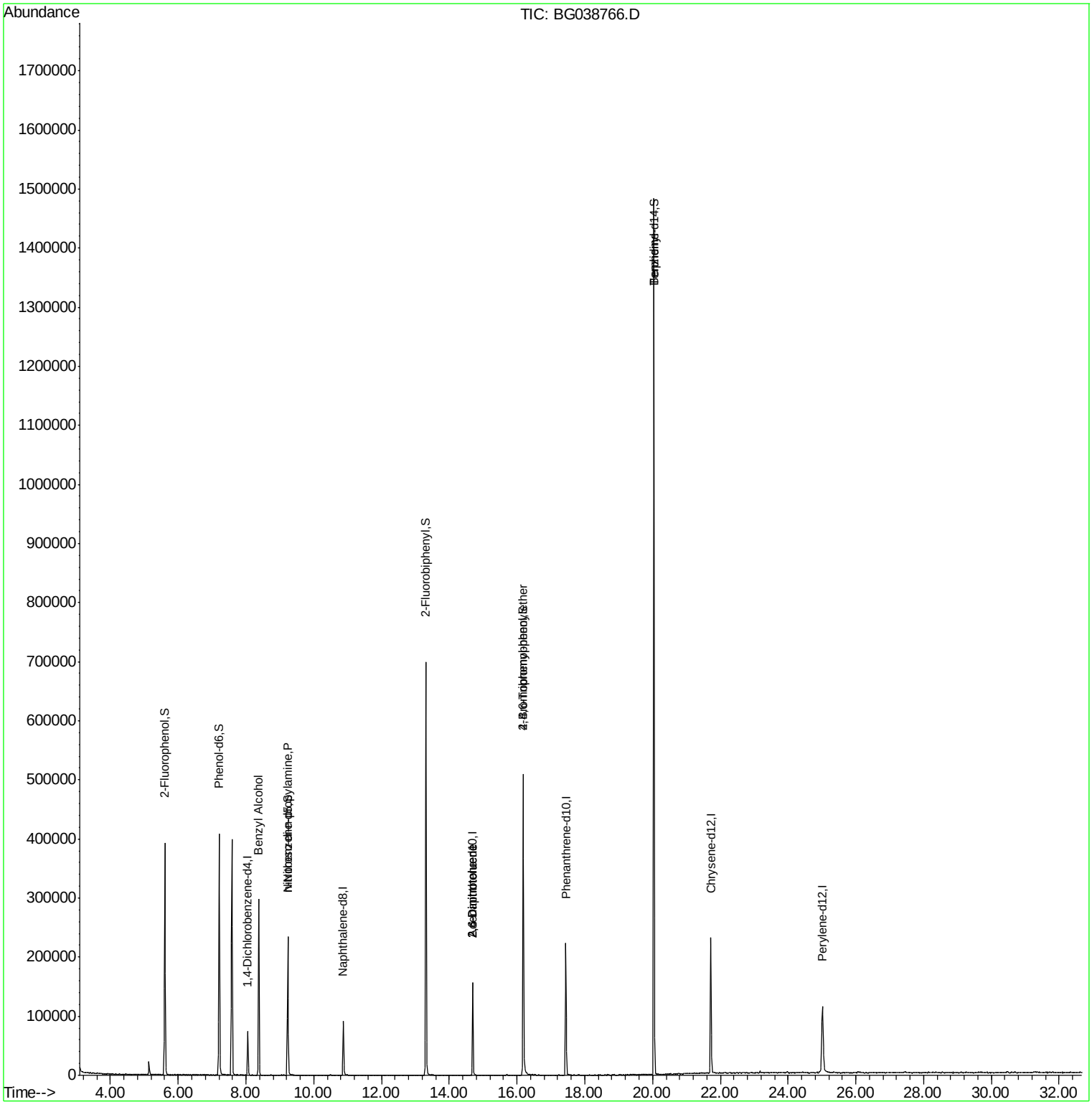
(#) = qualifier out of range (m) = manual integration (+) = signals summed

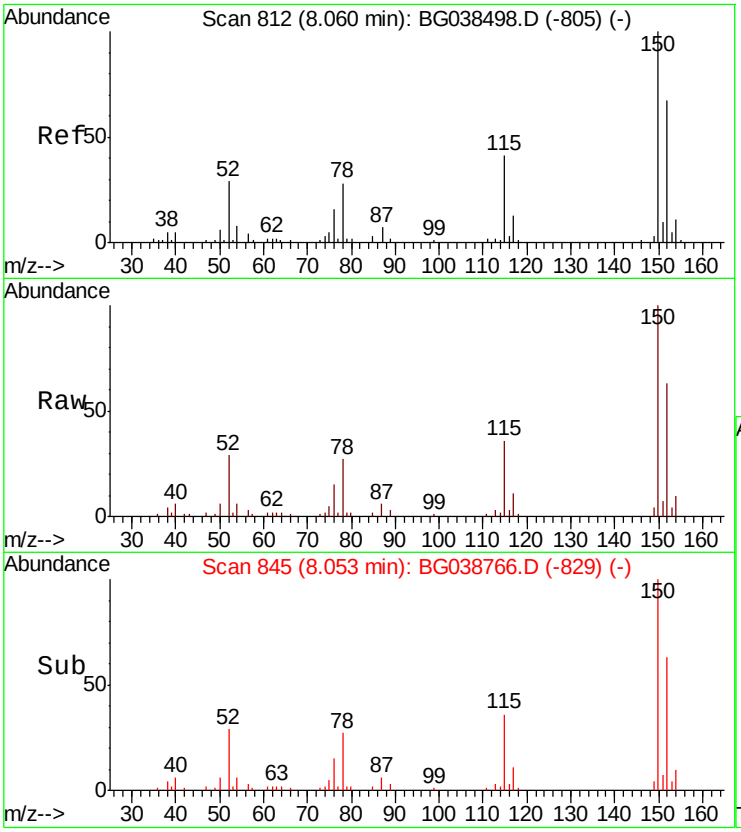
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
Data File : BG038766.D
Acq On : 20 Dec 2018 17:33
Operator : JU/SJ
Sample : PB115871BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Quant Time: Dec 21 00:20:10 2018
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



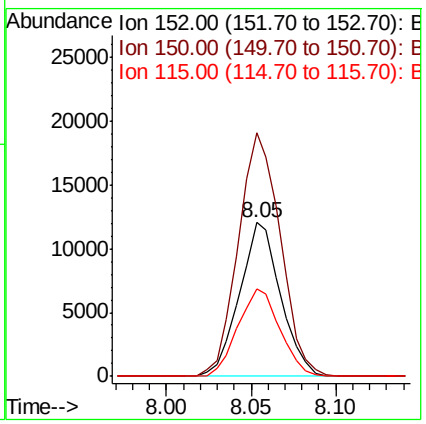


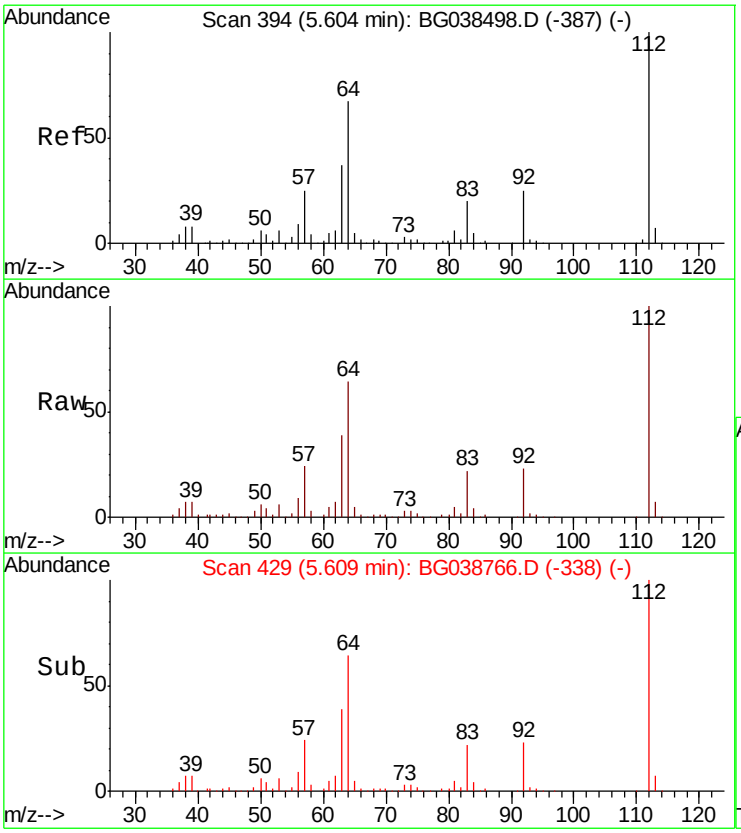

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:152 Resp: 20373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 119.5 | 179.3 |
| 115 | 57.2 | 49.6 | 74.4 |

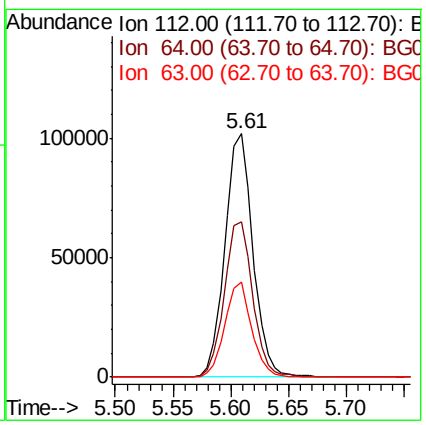


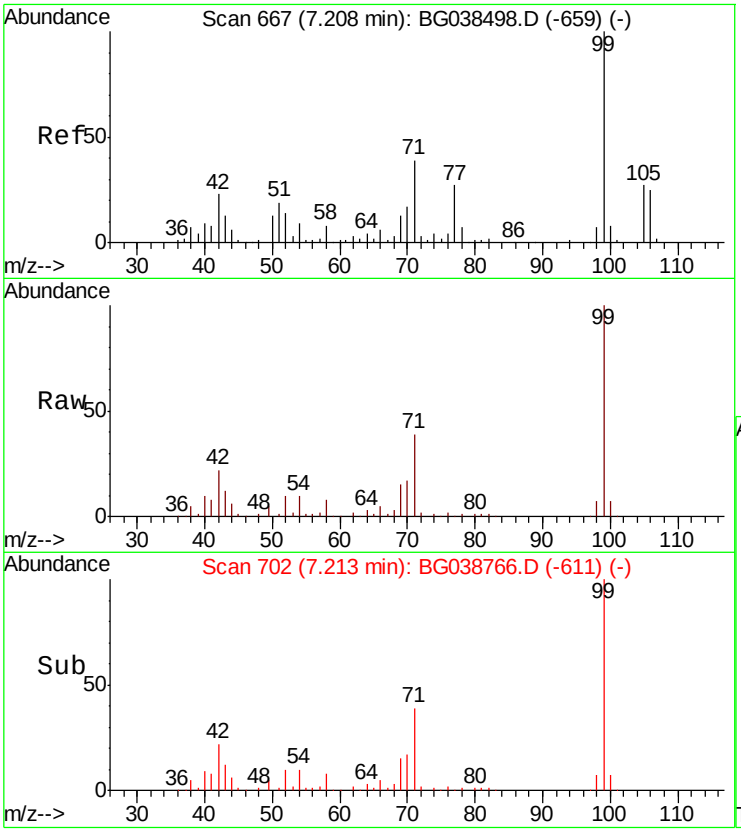




#5
2-Fluorophenol
Concen: 149.312 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:112 Resp: 171507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.7 | 53.4 | 80.2 |
| 63 | 39.0 | 29.3 | 43.9 |



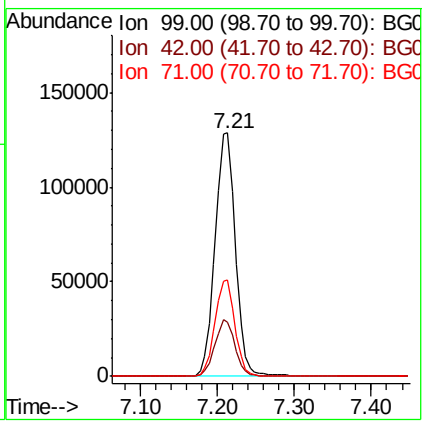


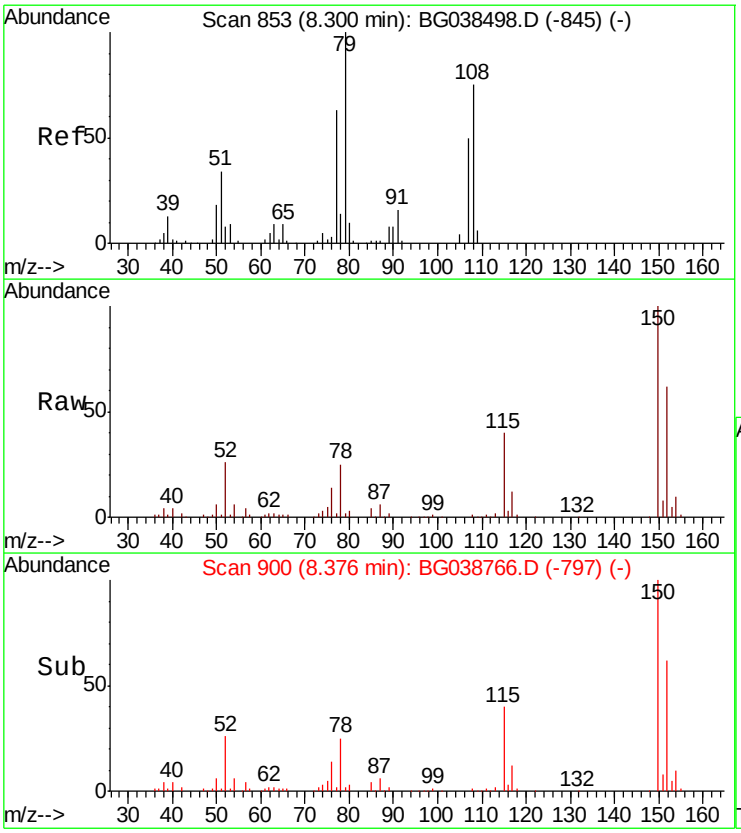

#7
Phenol-d6
Concen: 149.171 ng
RT: 7.21 min Scan# 702
Delta R.T. 0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion: 99 Resp: 235224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 18.5 | 27.7 |
| 71 | 39.5 | 31.1 | 46.7 |

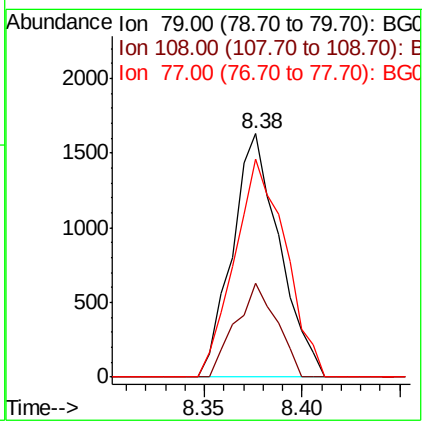


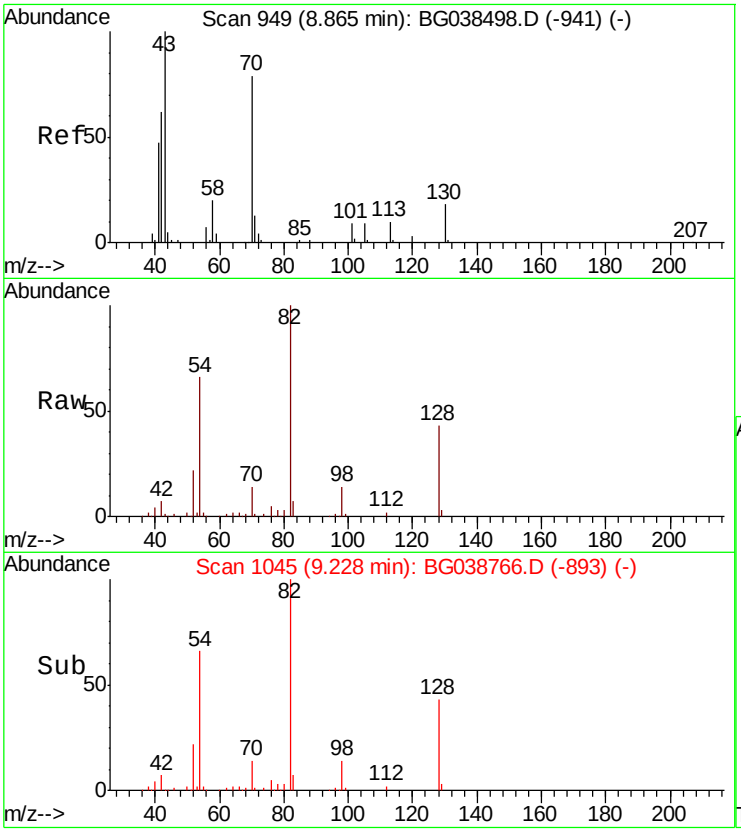




#15
Benzyl Alcohol
Concen: 2.221 ng
RT: 8.38 min Scan# 900
Delta R.T. 0.08 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion: 79 Resp: 2734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 38.3 | 60.2 | 90.4# |
| 77 | 89.3 | 50.7 | 76.1# |



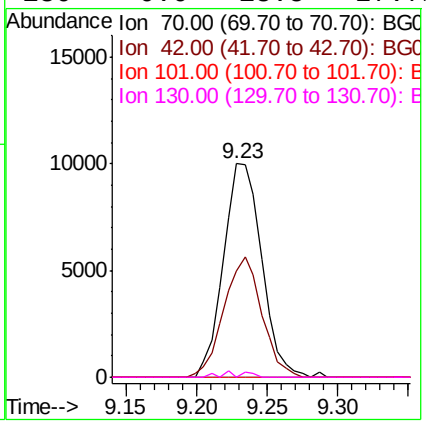


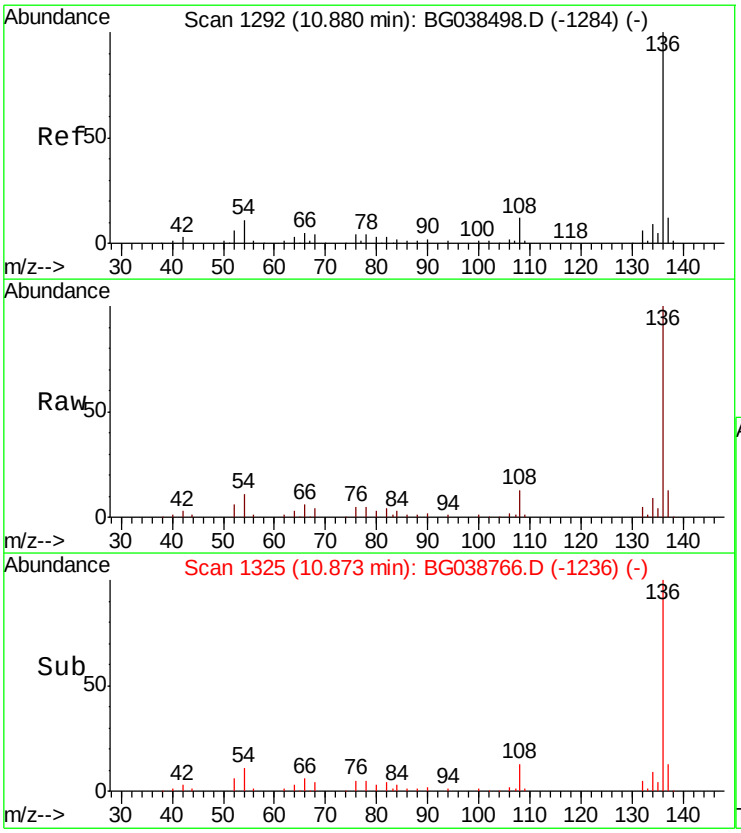

#19
n-Nitroso-di-n-propylamine
Concen: 17.075 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.36 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion: 70 Resp: 18911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.0 | 63.6 | 95.4# |
| 101 | 0.0 | 9.2 | 13.8# |
| 130 | 0.0 | 18.5 | 27.7# |

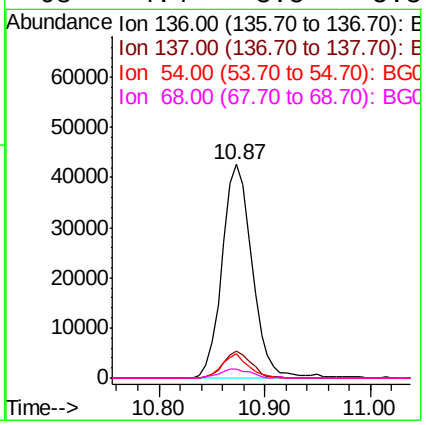


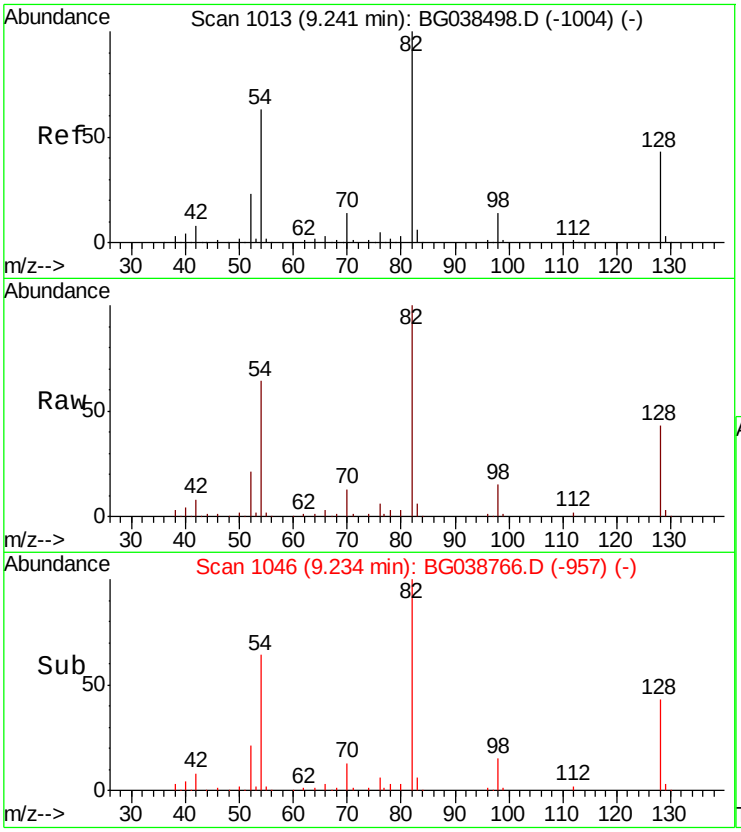




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:136 Resp: 83920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.8 | 9.3 | 13.9 |
| 54 | 11.1 | 8.5 | 12.7 |
| 68 | 4.4 | 3.5 | 5.3 |



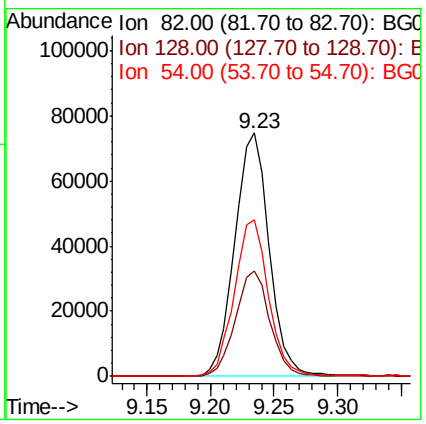


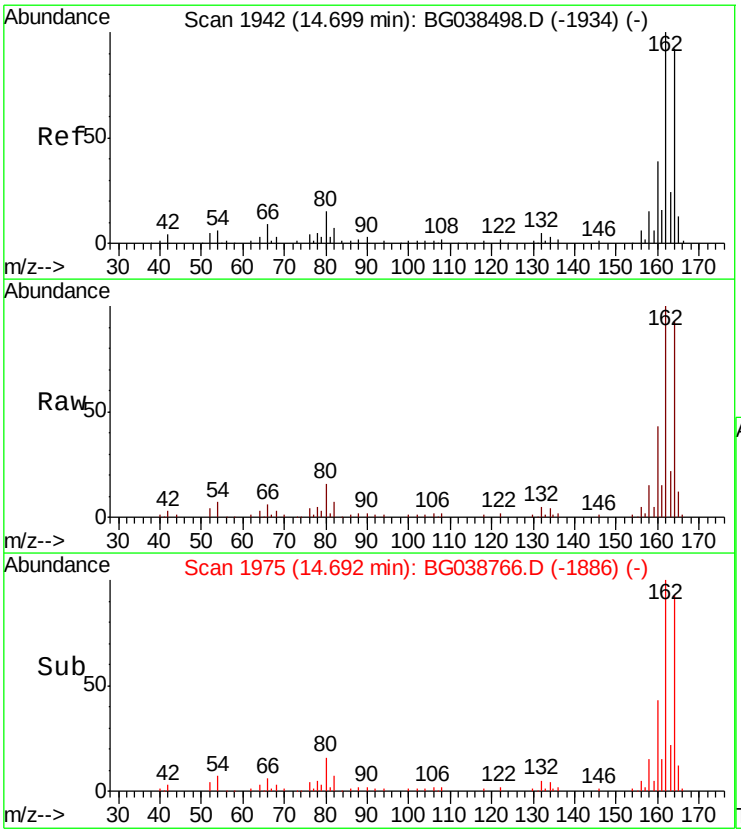

#23
Nitrobenzene-d5
Concen: 85.635 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion: 82 Resp: 140672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 34.6 | 52.0 |
| 54 | 64.4 | 50.6 | 76.0 |

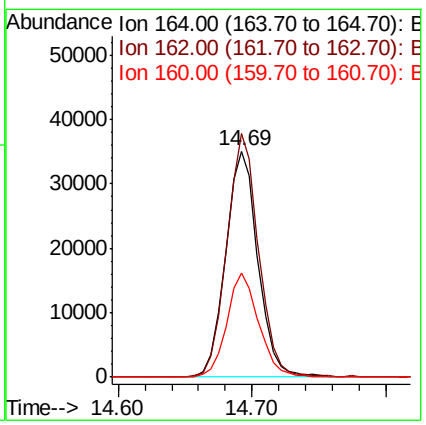


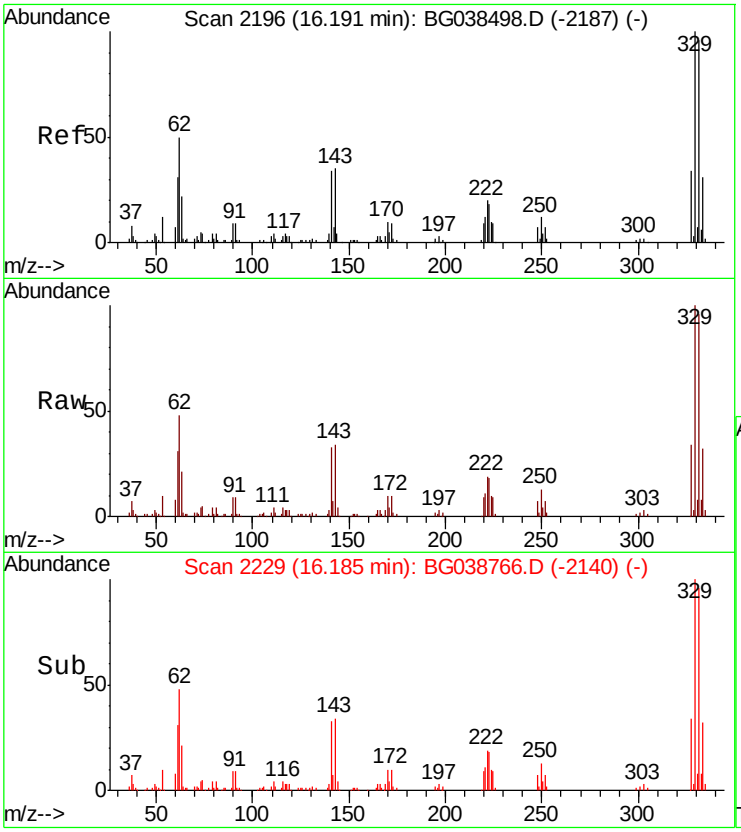




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:164 Resp: 58947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.6 | 86.6 | 130.0 |
| 160 | 45.9 | 34.2 | 51.2 |



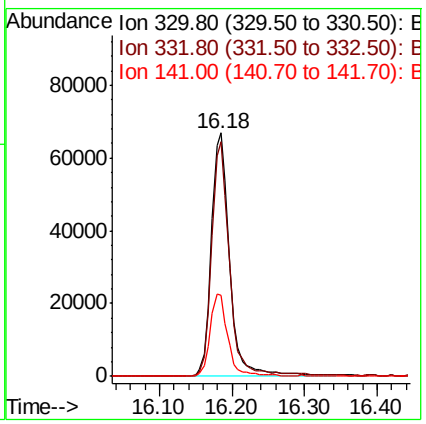


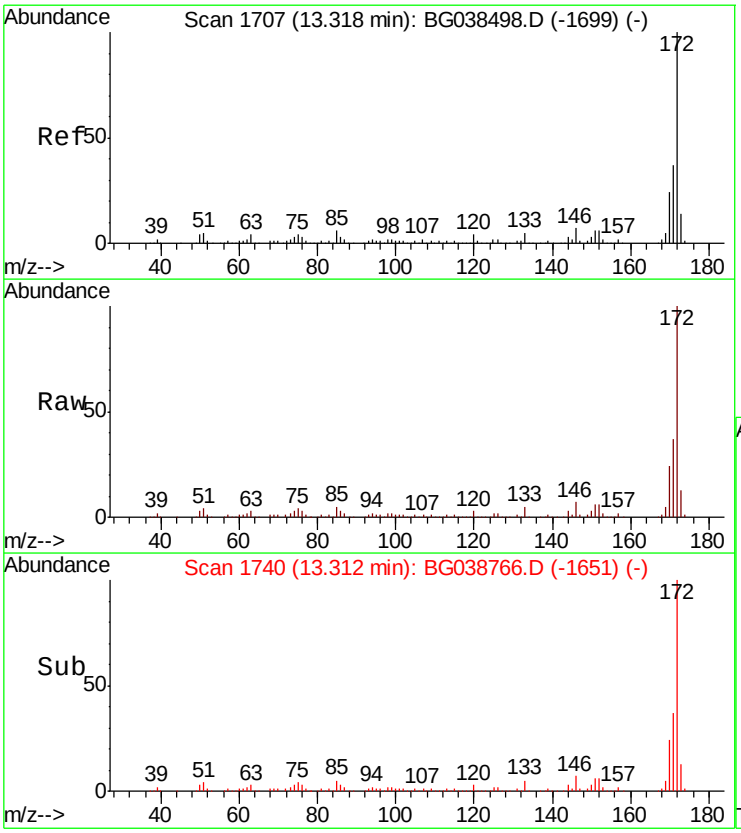

#42
2,4,6-Tribromophenol
Concen: 144.908 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:330 Resp: 117723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.4 | 76.9 | 115.3 |
| 141 | 32.9 | 28.8 | 43.2 |

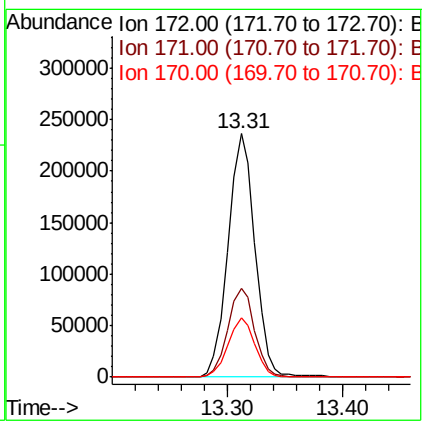


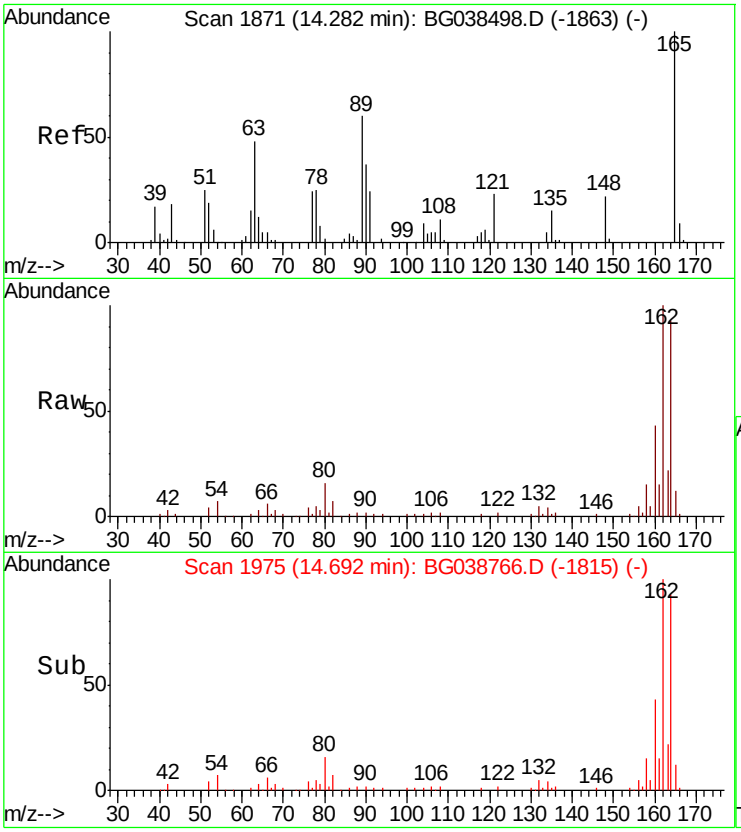




#45
2-Fluorobiphenyl
Concen: 88.389 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:172 Resp: 379801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.8 | 44.6 |
| 170 | 24.3 | 19.5 | 29.3 |



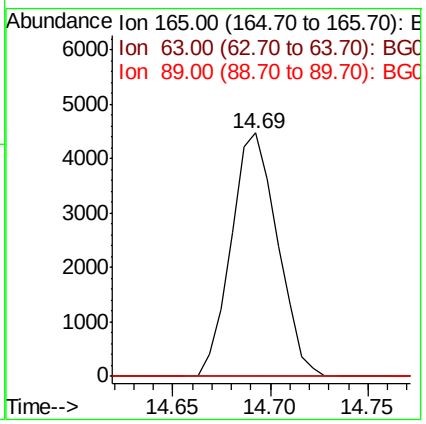


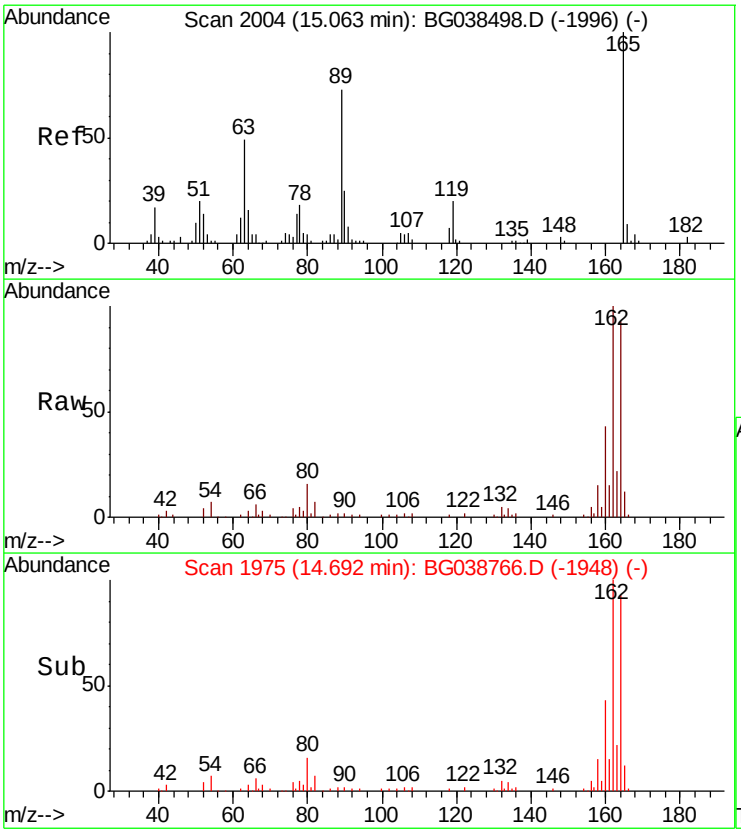

#51
2,6-Dinitrotoluene
Concen: 6.722 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.41 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:165 Resp: 7333

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

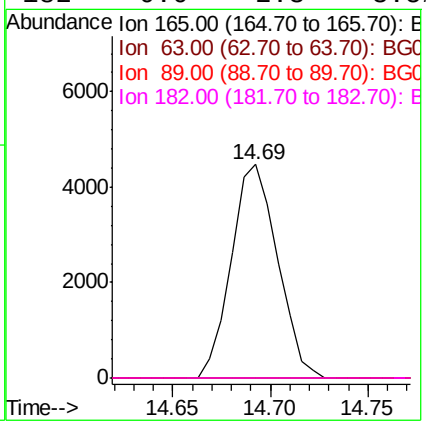


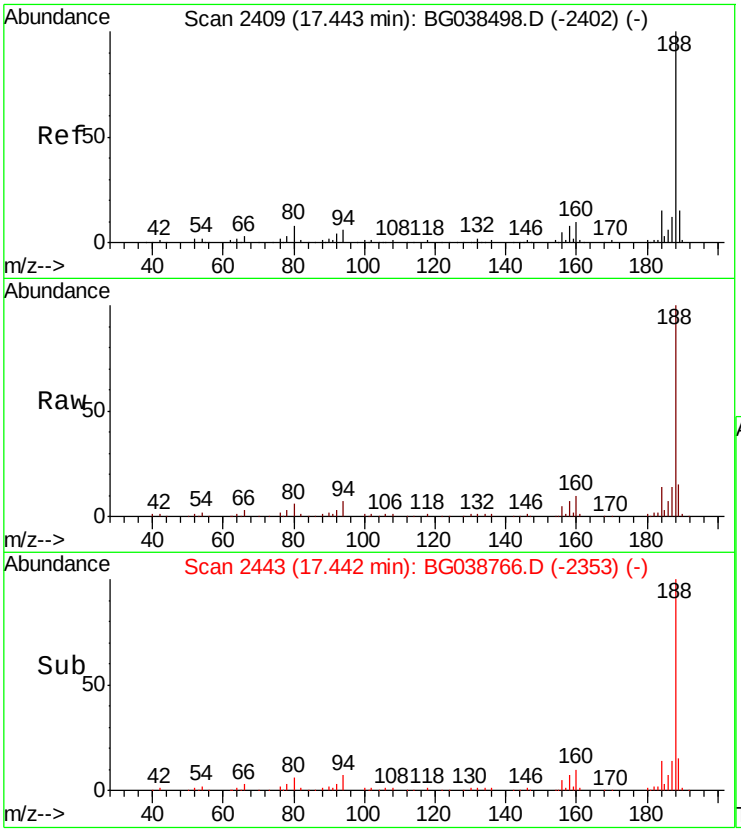




#57
2,4-Dinitrotoluene
Concen: 4.773 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:165 Resp: 7333

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



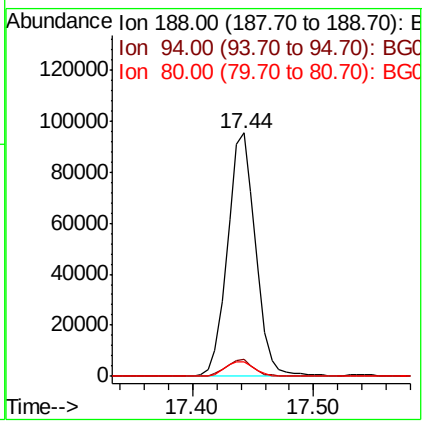


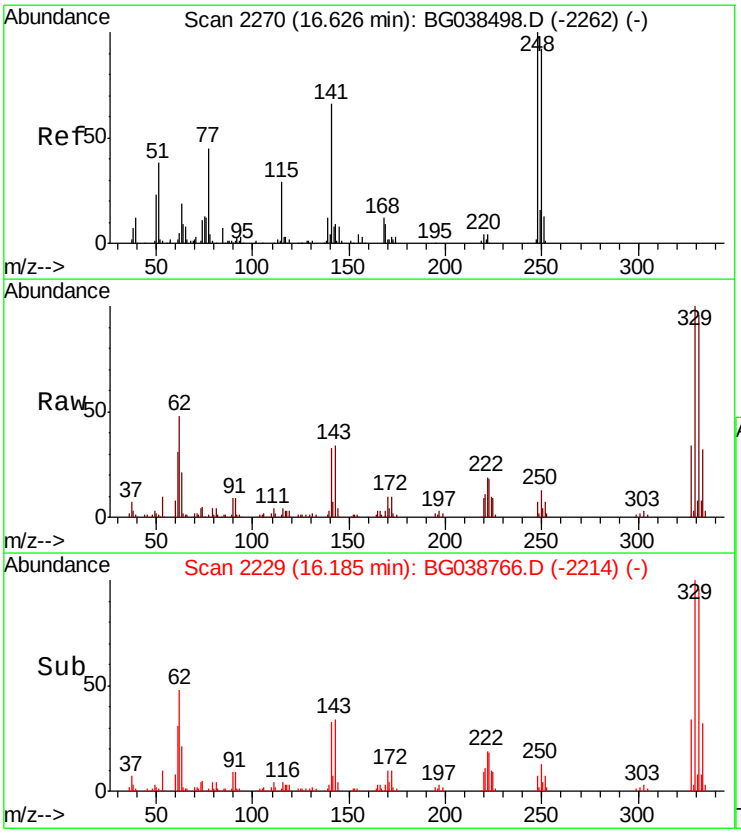

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:188 Resp: 153995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.9 | 5.1 | 7.7 |
| 80 | 5.9 | 6.1 | 9.1# |

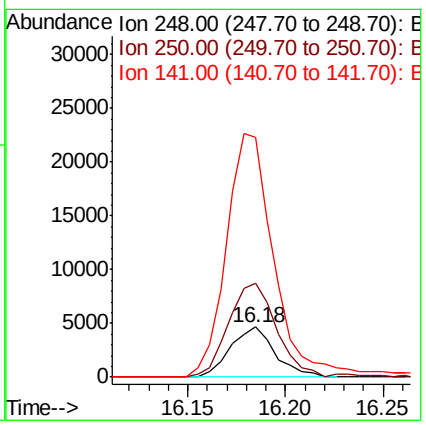


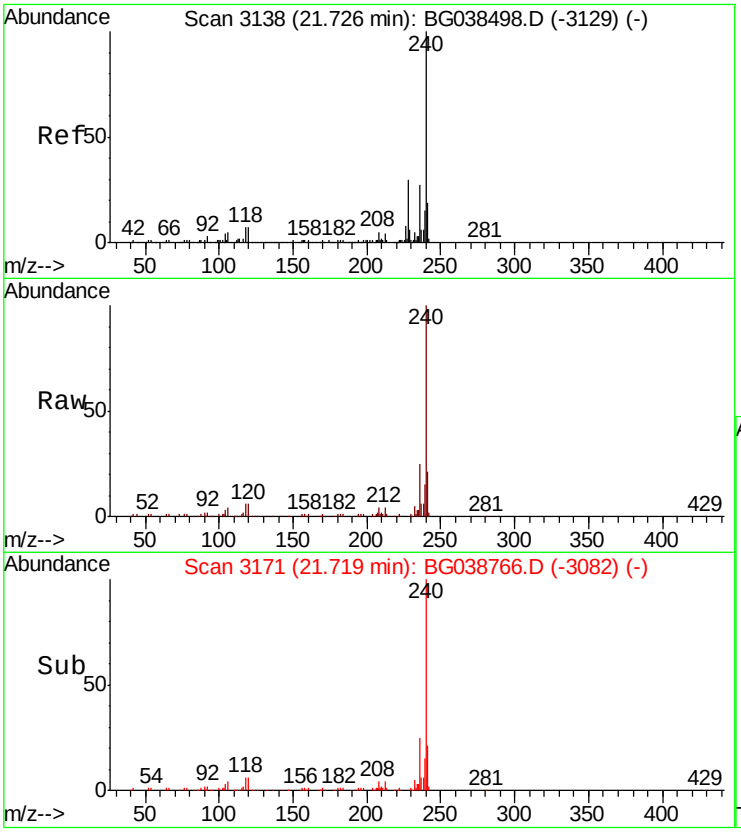




#67
4-Bromophenyl-phenylether
Concen: 3.885 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:248 Resp: 7307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 186.6 | 73.4 | 110.2# |
| 141 | 365.3 | 52.9 | 79.3# |



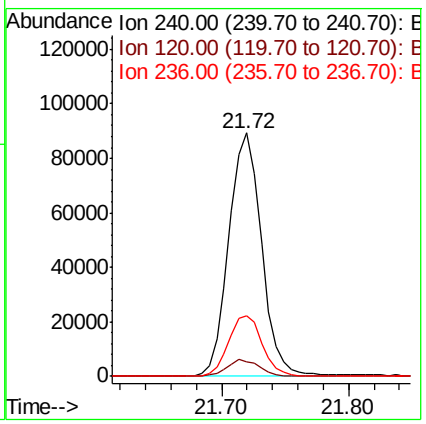


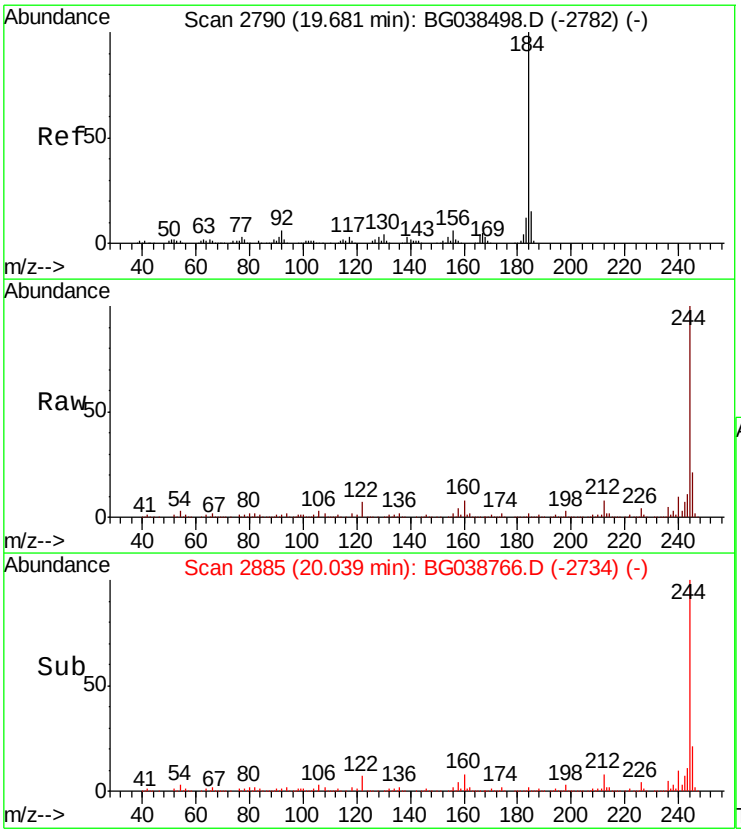

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:240 Resp: 159792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.2 | 5.3 | 7.9 |
| 236 | 25.1 | 21.4 | 32.2 |

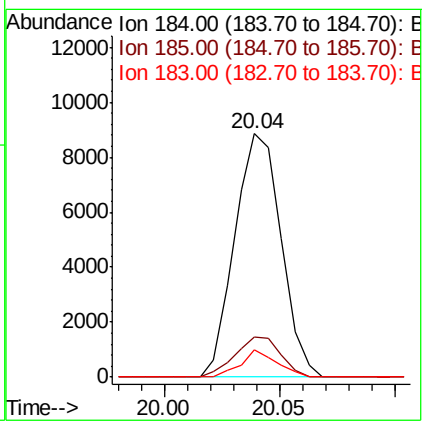


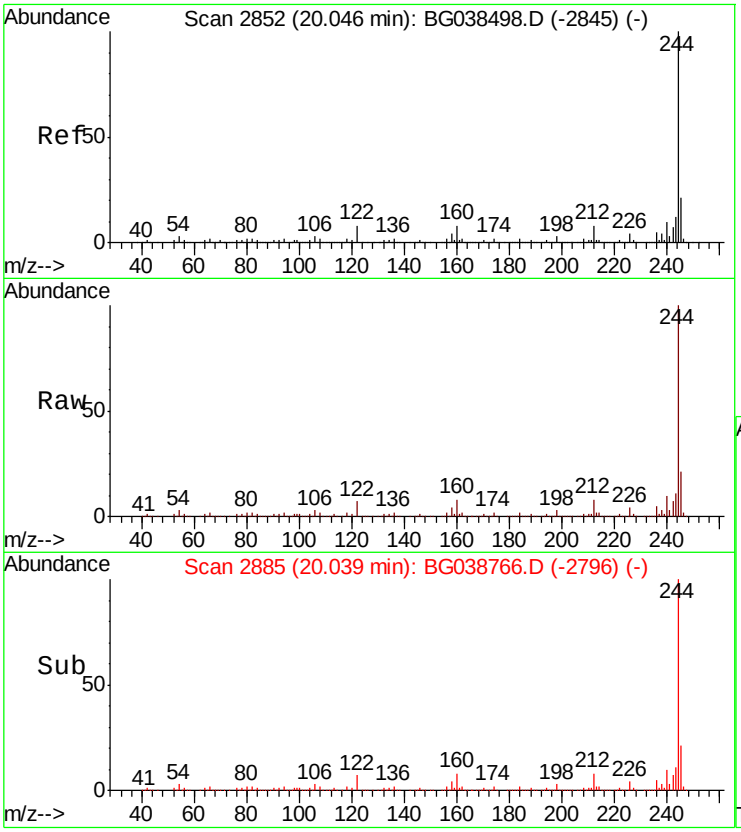




#77
Benzidine
Concen: 2.617 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:184 Resp: 12369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.7 | 12.2 | 18.2 |
| 183 | 11.1 | 9.6 | 14.4 |



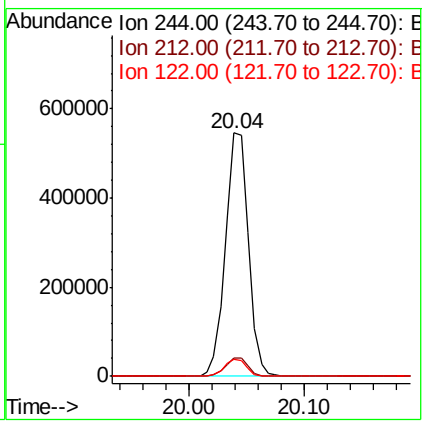


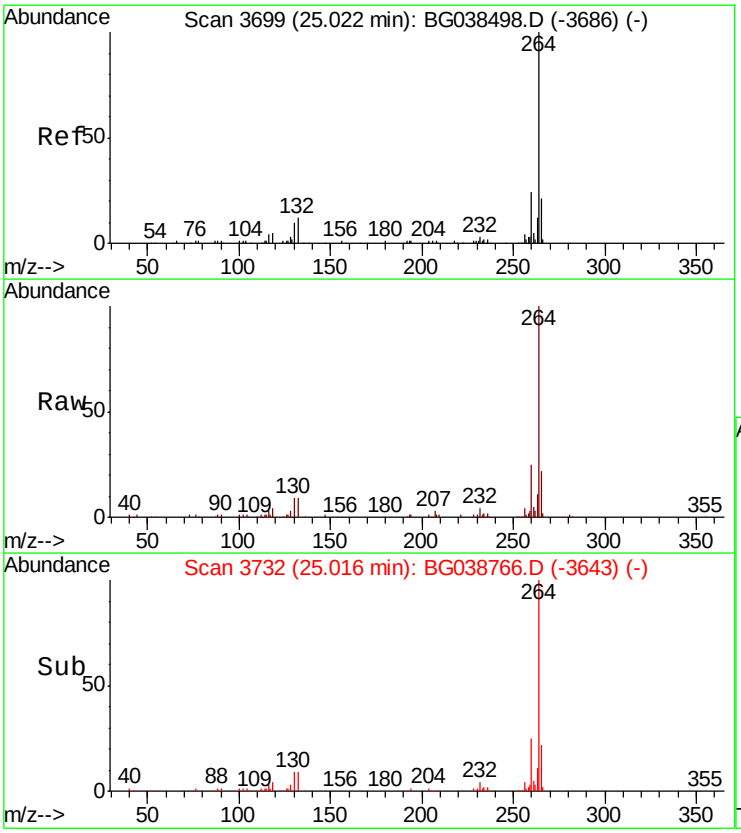

#79
Terphenyl-d14
Concen: 102.192 ng
RT: 20.04 min Scan# 2885
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

**Instrument :**
BNA_G
**ClientSampleId :**
PB115871BL

Tgt Ion:244 Resp: 750319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.2 | 9.2 |
| 122 | 7.2 | 6.3 | 9.5 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038766.D
Acq: 20 Dec 2018 17:33

Tgt Ion:264 Resp: 162894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 18.9 | 28.3 |
| 265 | 21.9 | 17.0 | 25.4 |