Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\
Data File : BG035571.D
Acq On : 3 Jul 2018 4:45
Operator : JU/SJ
Sample : PB110762TB
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 03 06:43:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 35139 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.87 | 136 | 127730 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 94348 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 266859 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.69 | 240 | 308339 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 24.91 | 264 | 283453 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 372234 | 178.77 | ng | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 549241 | 178.72 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 347658 | 129.38 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 257817 | 213.46 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 13.31 | 172 | 836499 | 115.26 | ng | -0.02 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1727758 | 117.37 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.22 | 70 | 47363 | 18.140 | ng | # 67 |
| 50) 2,6-Dinitrotoluene | 14.69 | 165 | 12310 | 8.201 | ng | # 20 |
| 56) 2,4-Dinitrotoluene | 14.69 | 165 | 12310 | 6.174 | ng | # 18 |
| 66) 4-Bromophenyl-phenylether | 16.17 | 248 | 19245 | 5.989 | ng | # 1 |
| 76) Benzidine | 20.03 | 184 | 29651 | 2.585 | ng | # 89 |

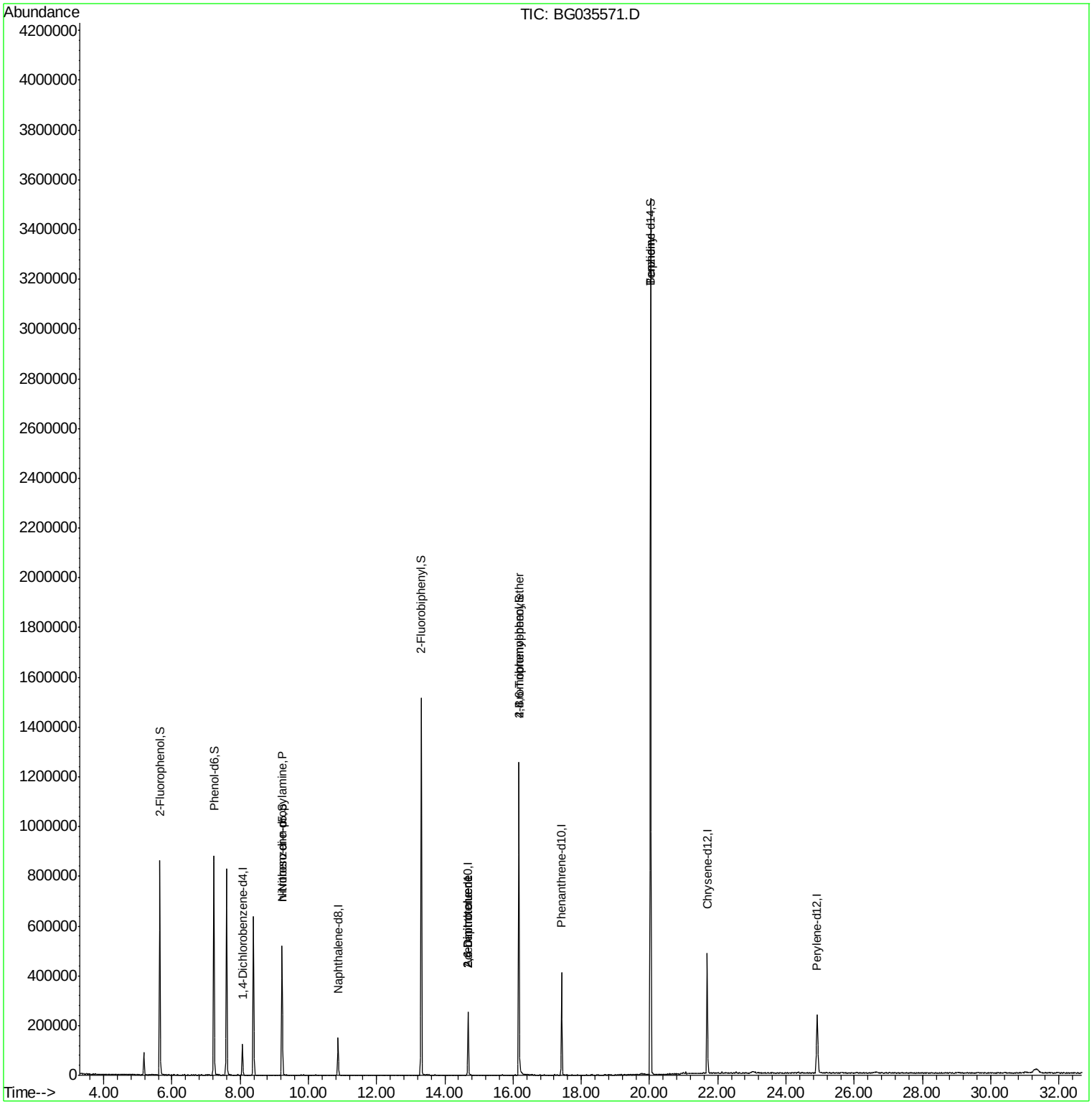
(#) = qualifier out of range (m) = manual integration (+) = signals summed

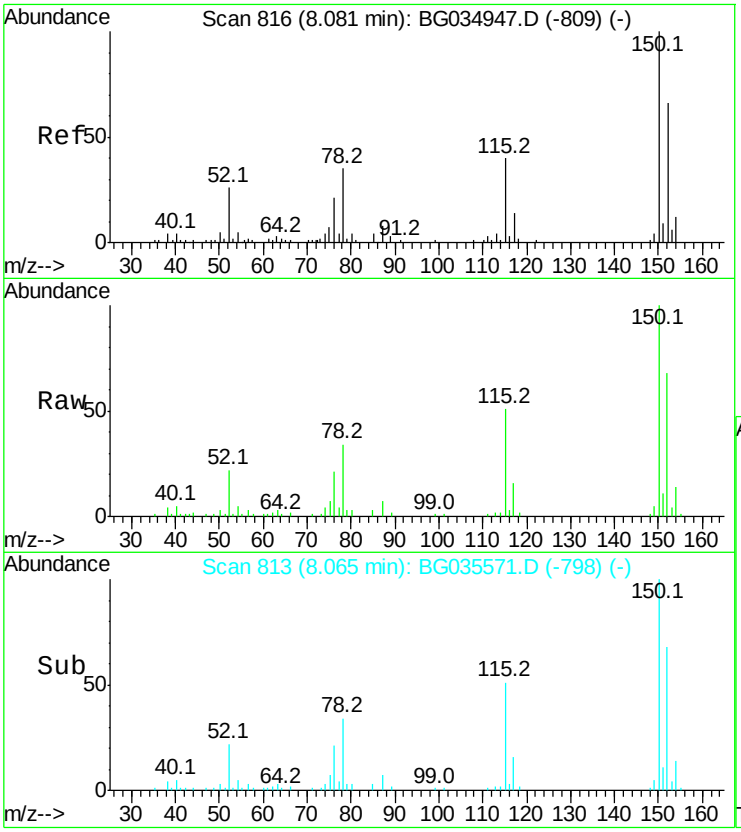
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\
Data File : BG035571.D
Acq On : 3 Jul 2018 4:45
Operator : JU/SJ
Sample : PB110762TB
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 03 06:43:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration



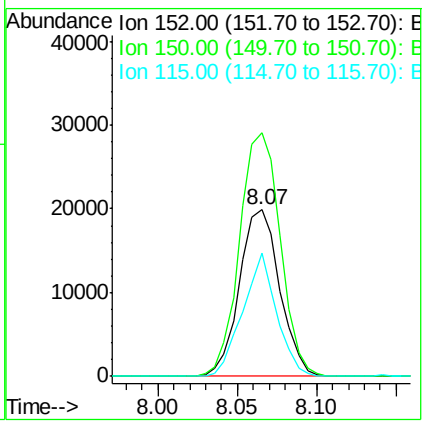


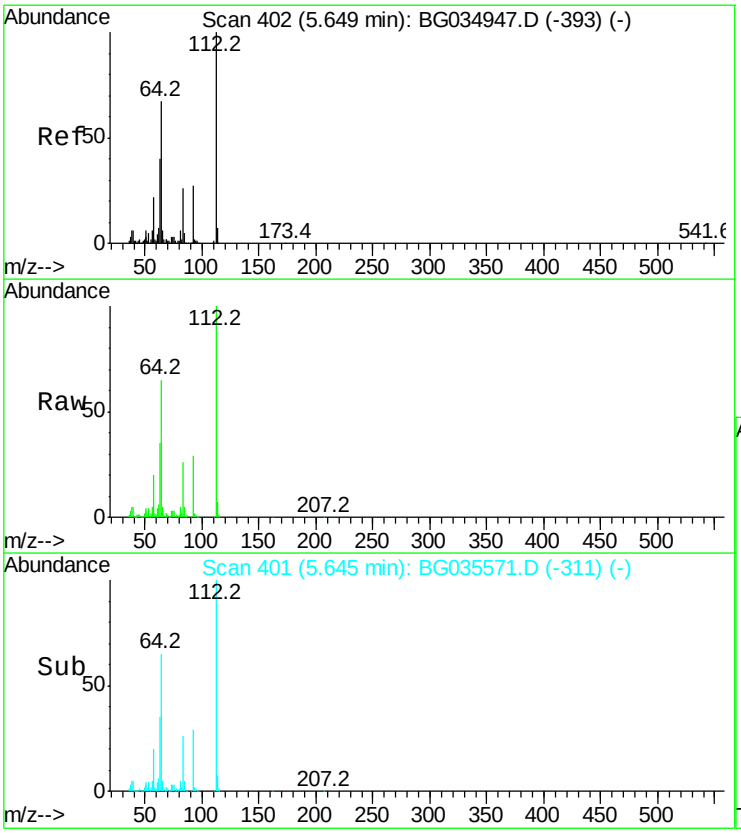

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:152 Resp: 35139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 146.1 | 126.6 | 189.8 |
| 115 | 74.2 | 53.0 | 79.4 |

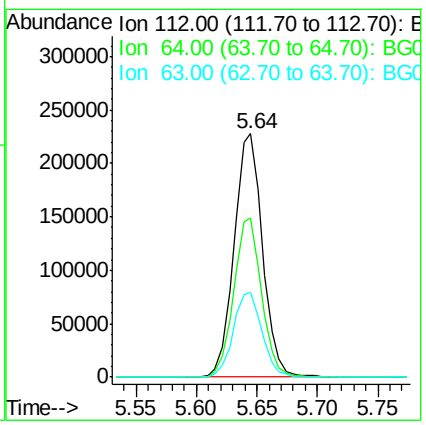


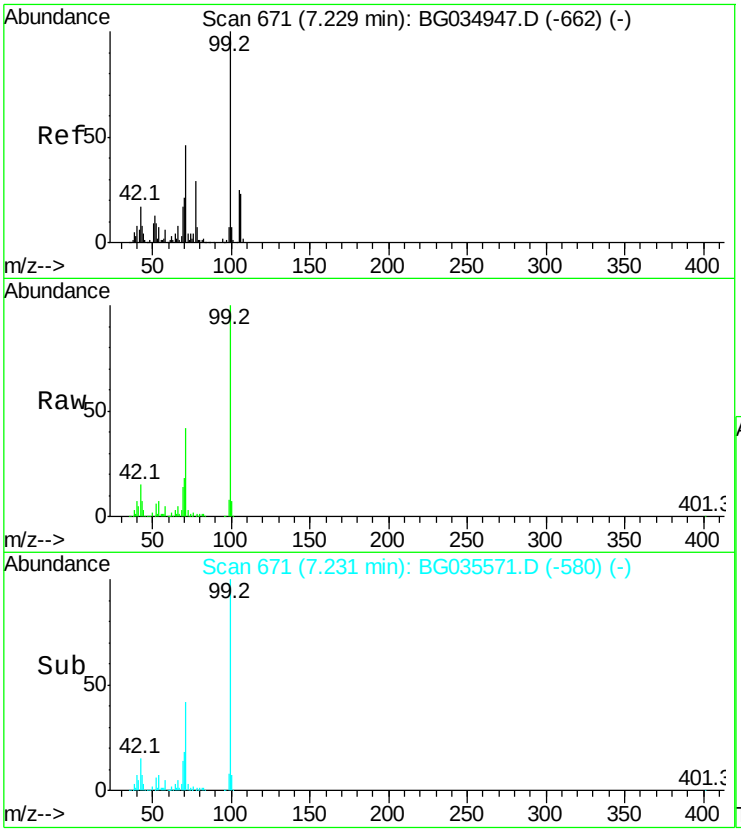




#5
2-Fluorophenol
Concen: 178.771 ng
RT: 5.64 min Scan# 401
Delta R.T. 0.00 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:112 Resp: 372234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.4 | 56.3 | 84.5 |
| 63 | 35.0 | 30.1 | 45.1 |



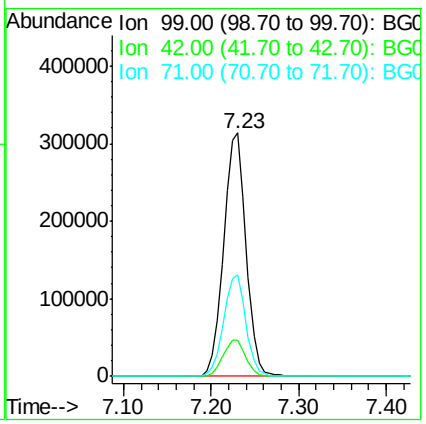


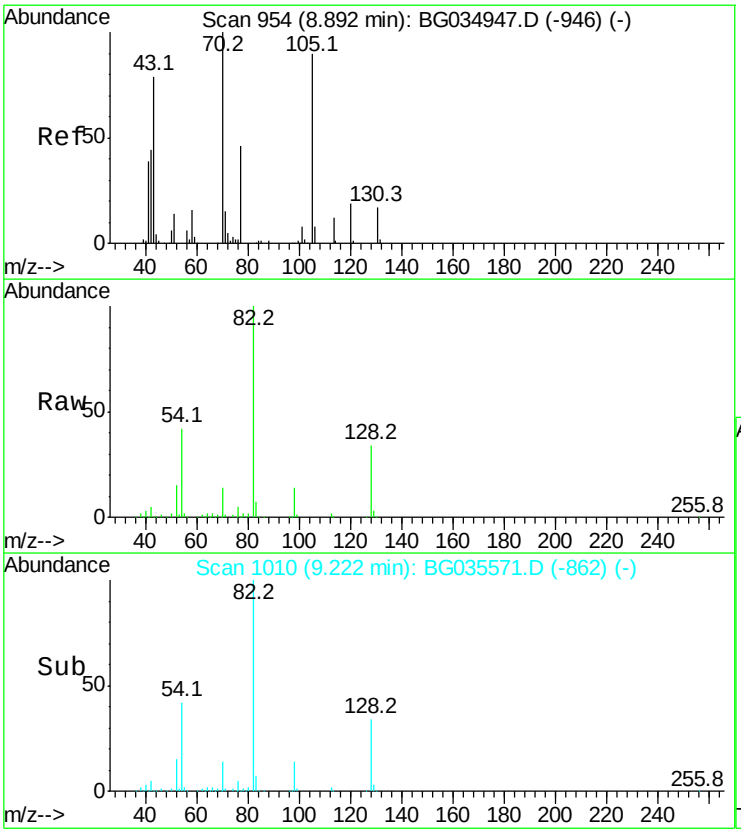

#7
Phenol-d6
Concen: 178.721 ng
RT: 7.23 min Scan# 671
Delta R.T. 0.01 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion: 99 Resp: 549241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.9 | 14.1 | 21.1 |
| 71 | 41.6 | 26.1 | 39.1# |

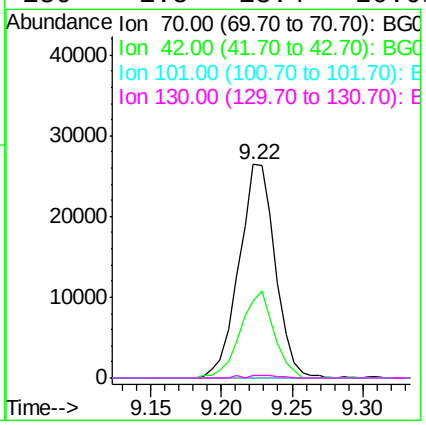


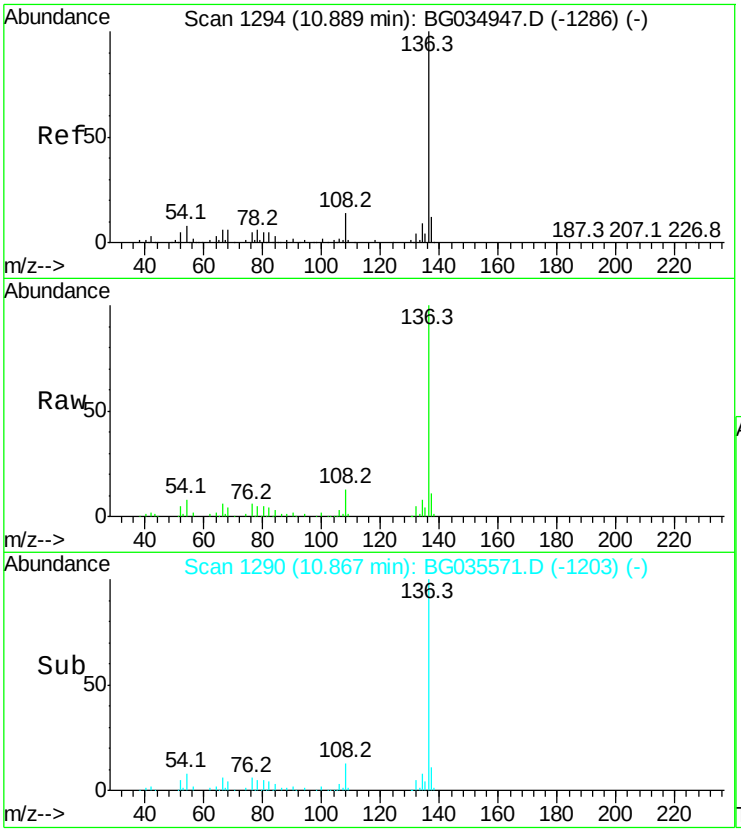




#19
n-Nitroso-di-n-propylamine
Concen: 18.140 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.34 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion: 70 Resp: 47363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 35.7 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 1.5 | 13.4 | 20.0# |



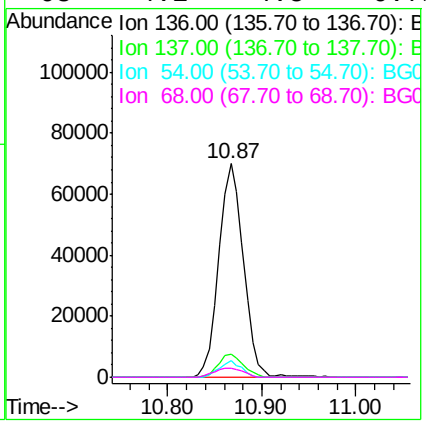


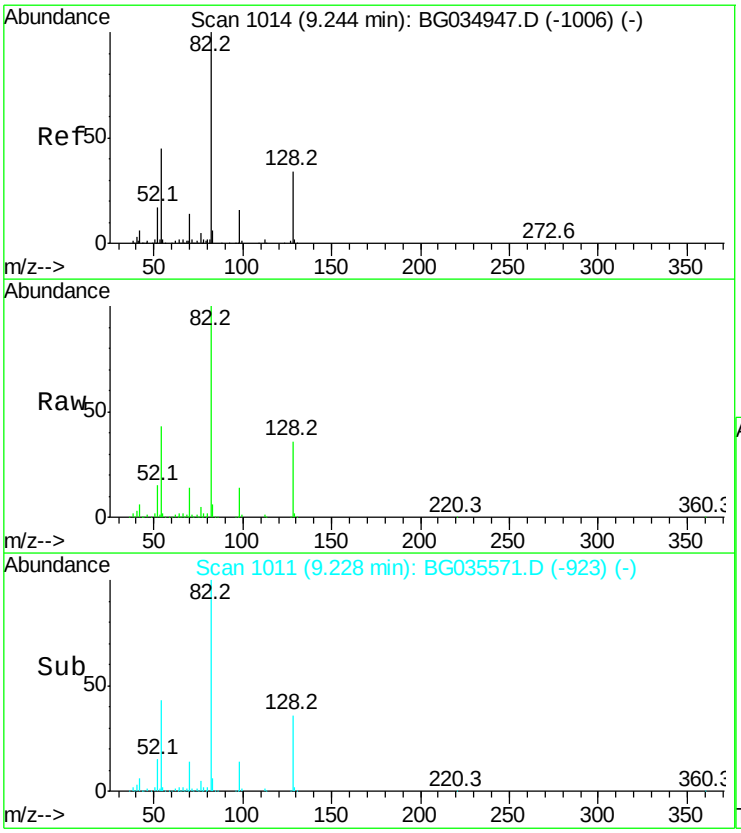

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:136 Resp: 127730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.2 | 13.8 |
| 54 | 7.6 | 10.3 | 15.5# |
| 68 | 4.2 | 4.5 | 6.7# |

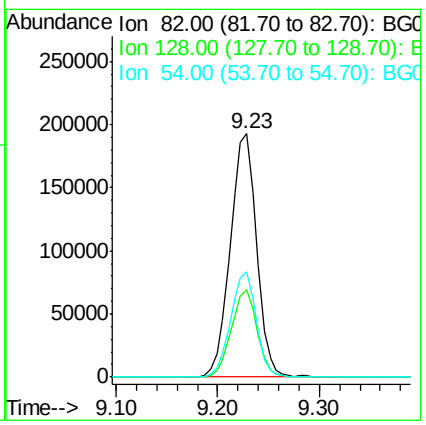


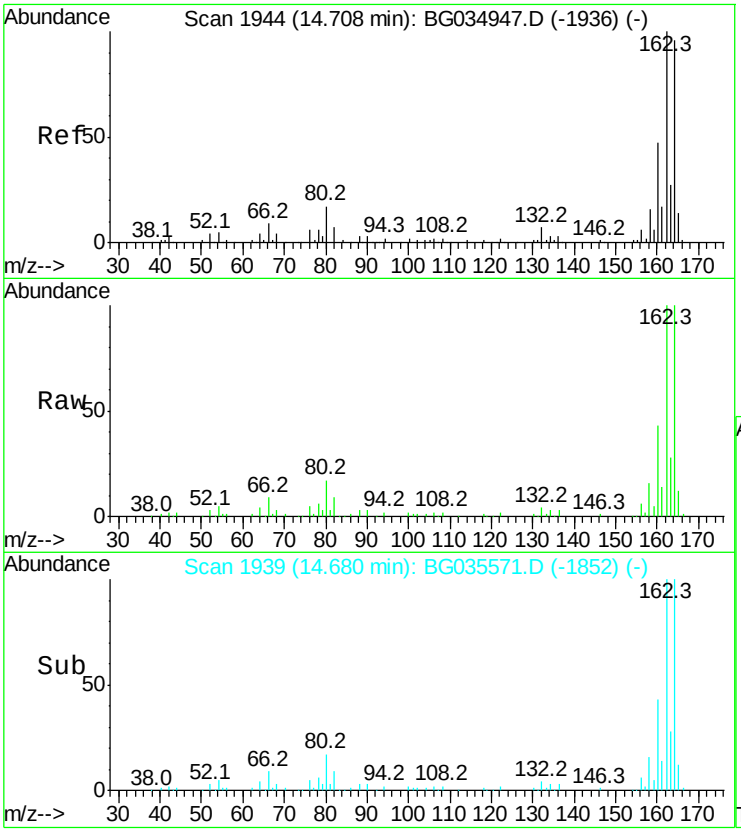




#23
Nitrobenzene-d5
Concen: 129.380 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion: 82 Resp: 347658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.7 | 29.7 | 44.5 |
| 54 | 43.0 | 43.1 | 64.7# |



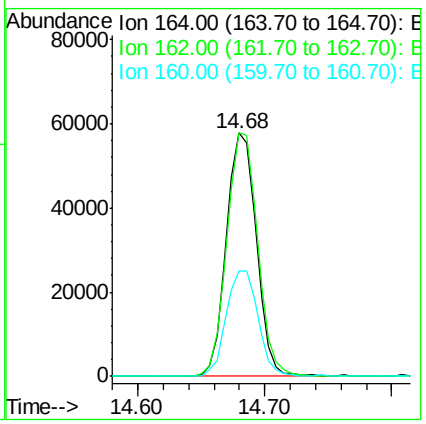


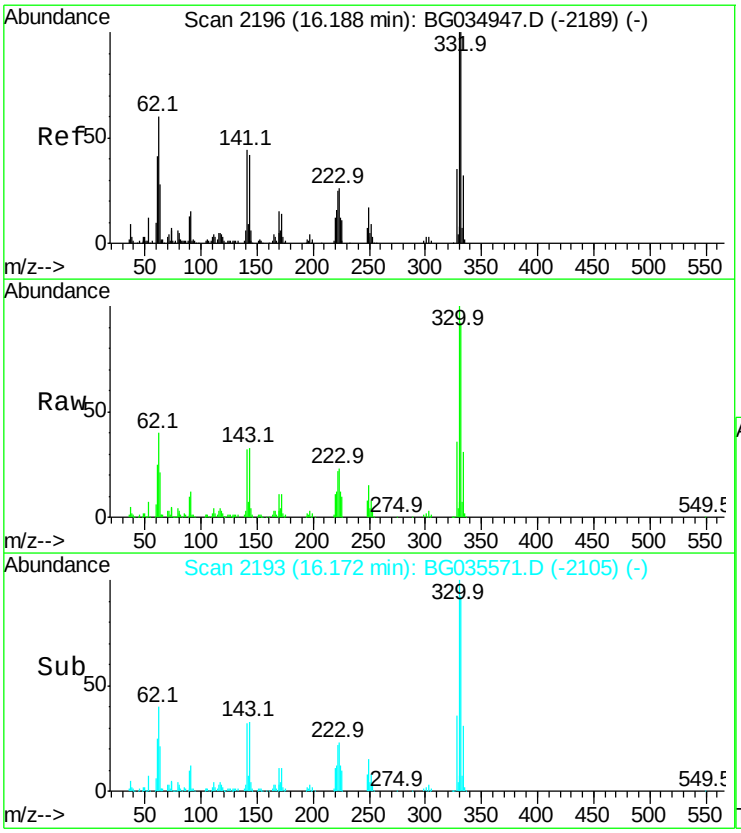

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.02 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:164 Resp: 94348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 78.8 | 118.2 |
| 160 | 43.1 | 35.4 | 53.0 |

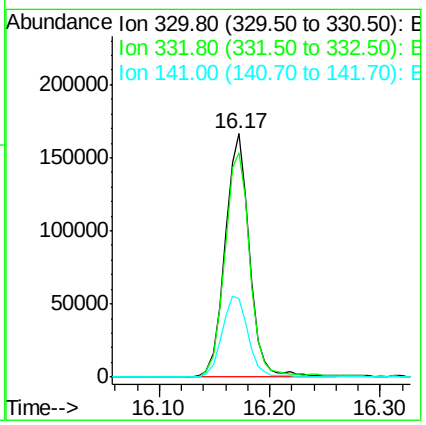


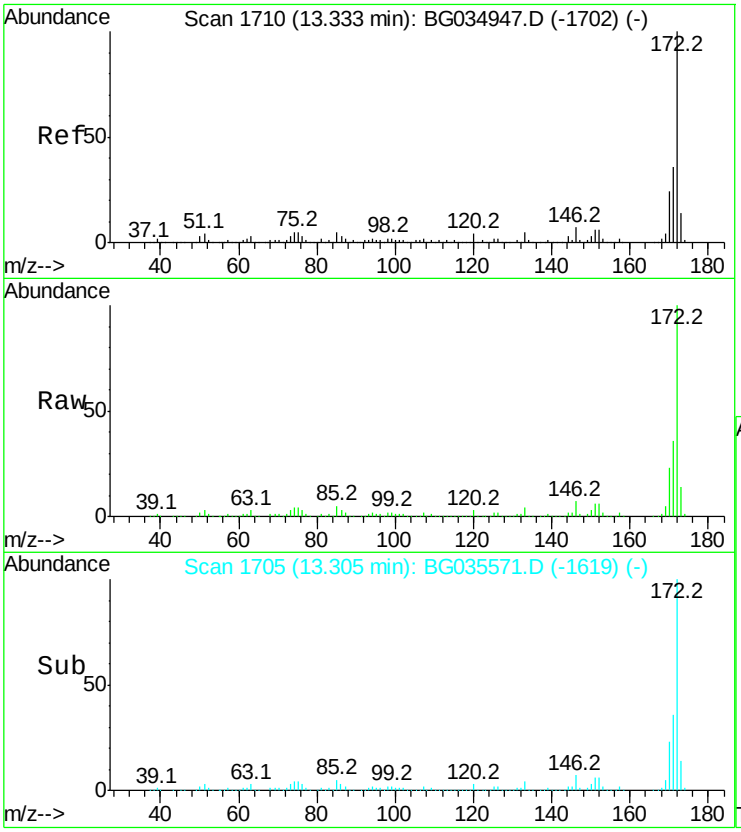




#41
2,4,6-Tribromophenol
Concen: 213.465 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:330 Resp: 257817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.5 | 77.0 | 115.6 |
| 141 | 35.9 | 25.2 | 37.8 |



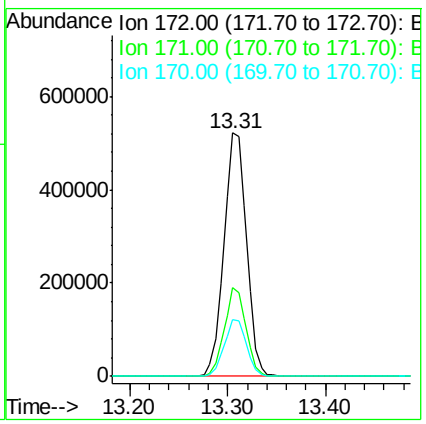


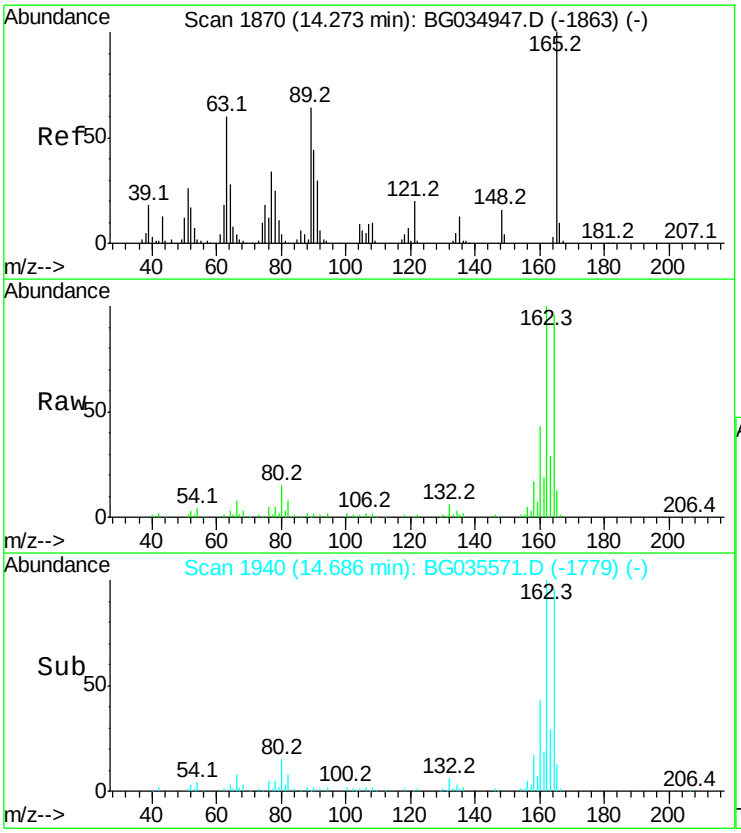

#44
2-Fluorobiphenyl
Concen: 115.259 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:172 Resp: 836499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 30.0 | 45.0 |
| 170 | 23.1 | 19.5 | 29.3 |

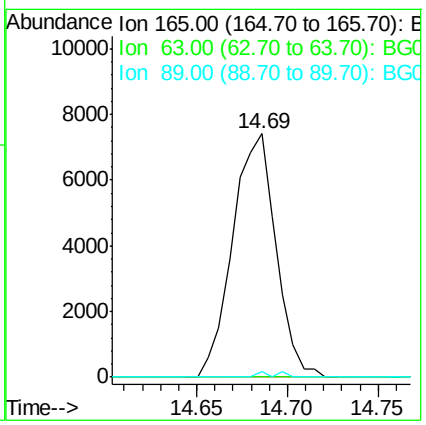


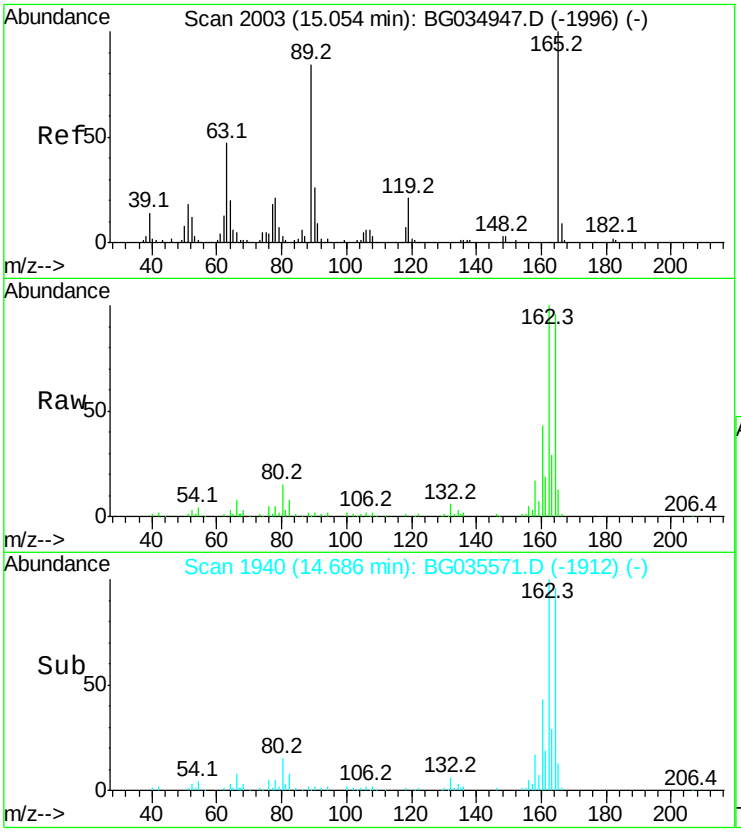




#50
2,6-Dinitrotoluene
Concen: 8.201 ng
RT: 14.69 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:165 Resp: 12310

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



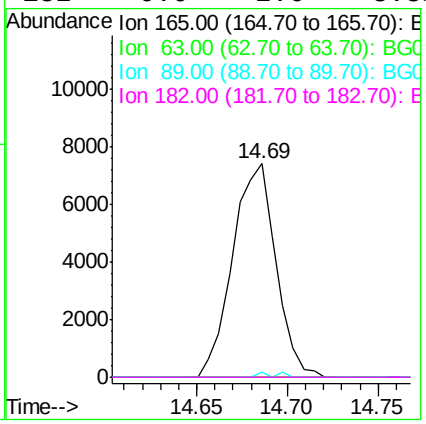


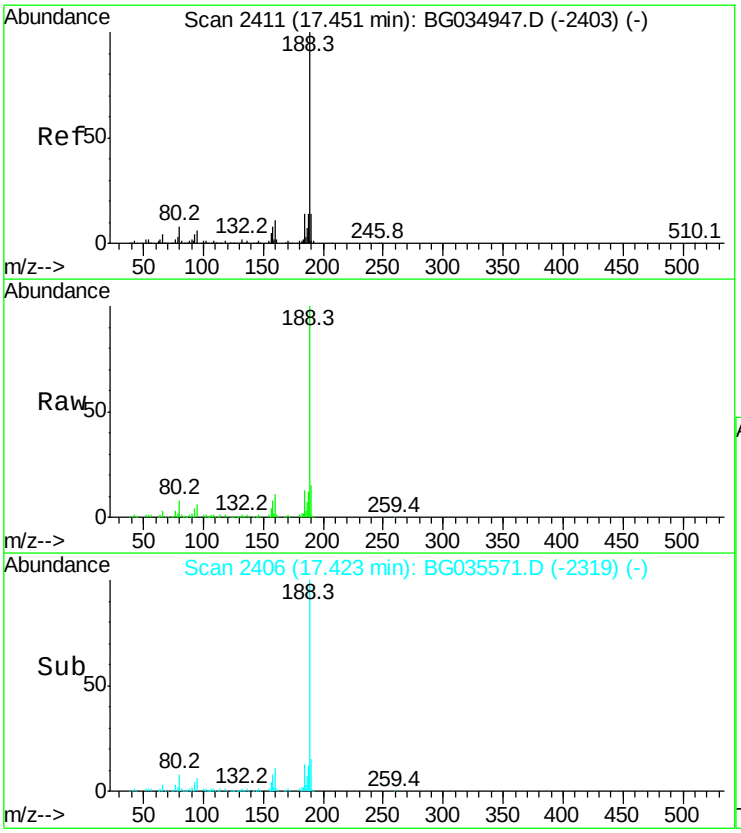

#56
2,4-Dinitrotoluene
Concen: 6.174 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:165 Resp: 12310

| 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# |

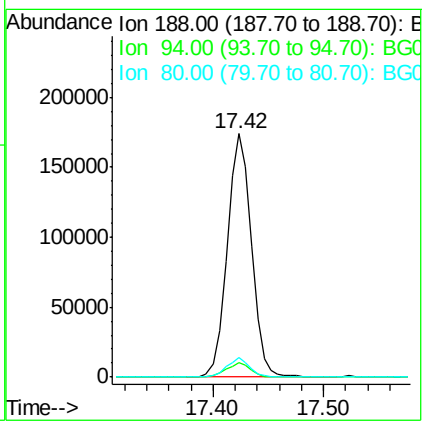


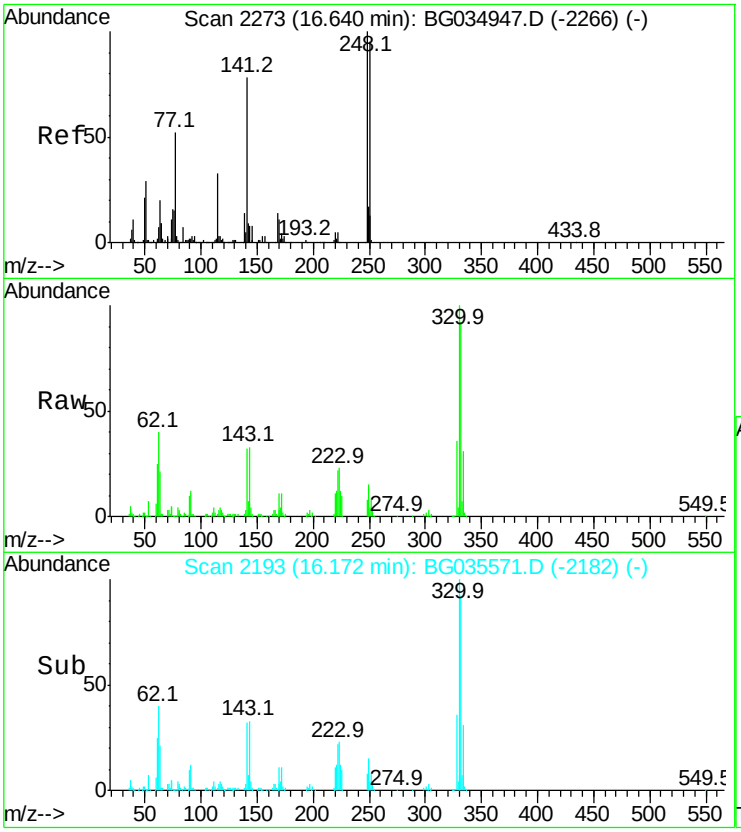




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:188 Resp: 266859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.9 | 6.9 | 10.3# |
| 80 | 8.1 | 7.7 | 11.5 |



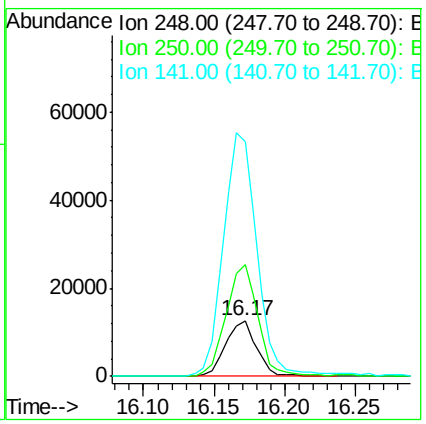


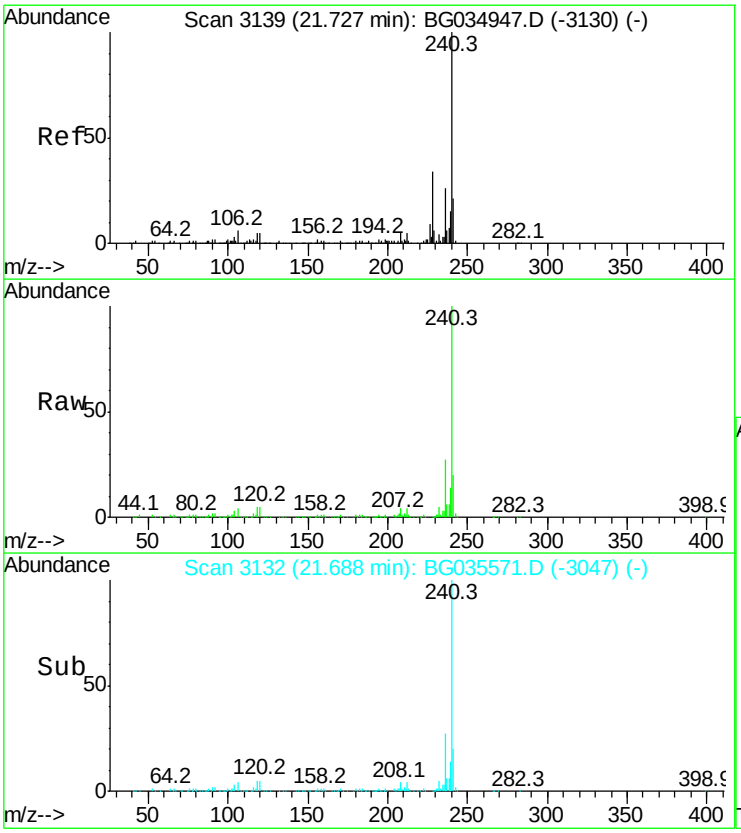

#66
4-Bromophenyl-phenylether
Concen: 5.989 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:248 Resp: 19245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.7 | 77.1 | 115.7# |
| 141 | 420.2 | 50.8 | 76.2# |

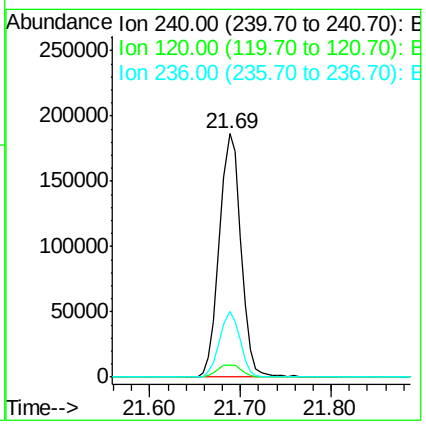


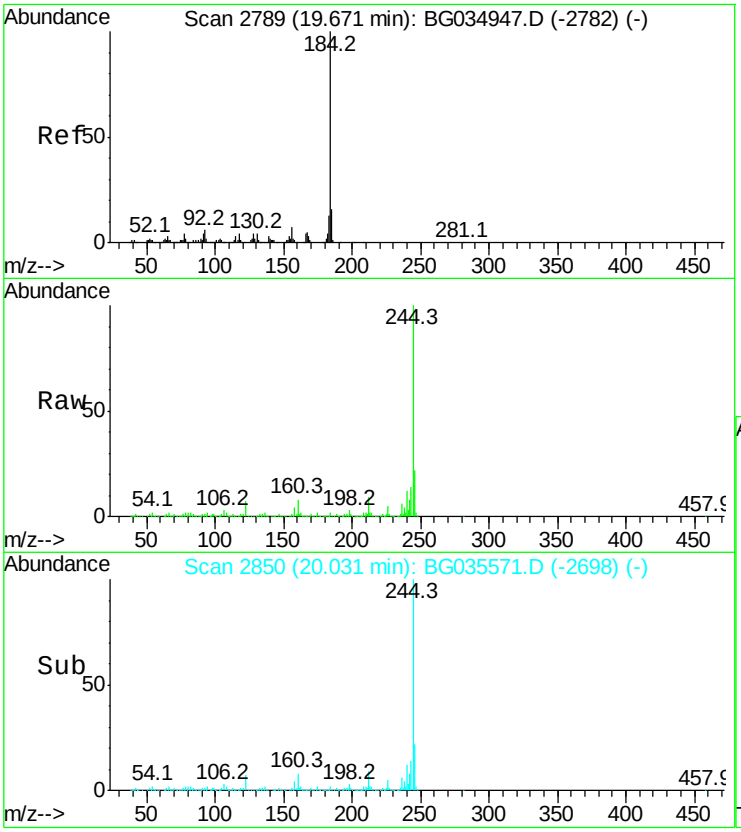




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:240 Resp: 308339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.9 | 6.8 | 10.2# |
| 236 | 27.0 | 20.9 | 31.3 |



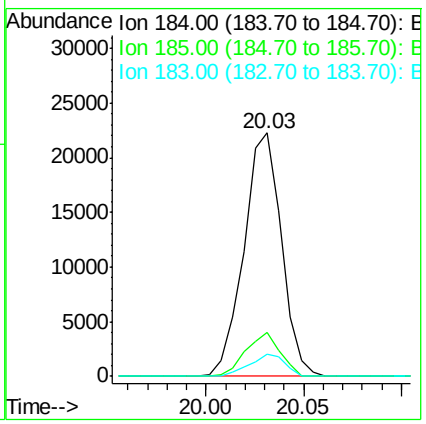


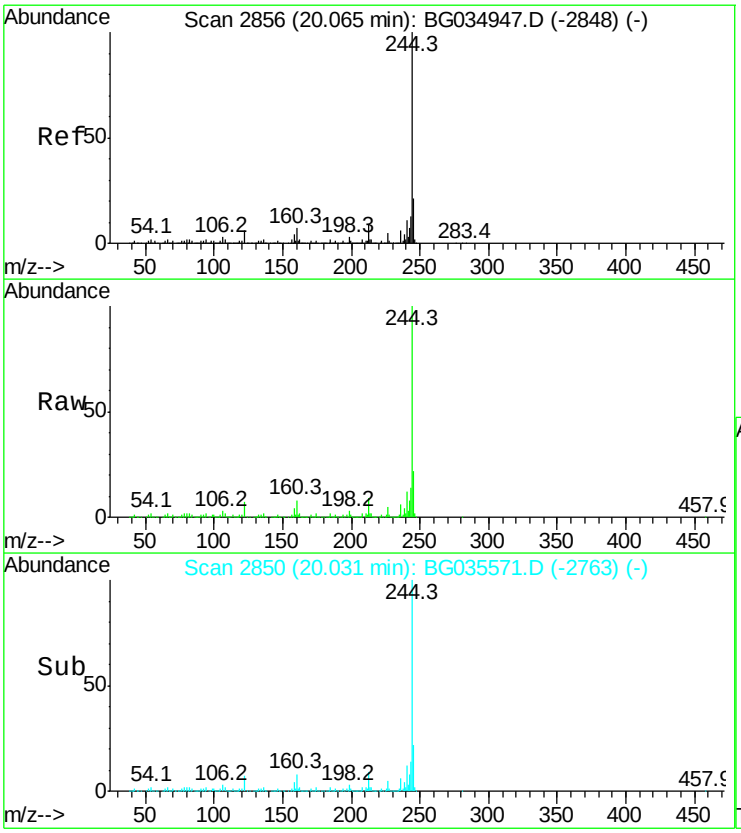

#76
Benzidine
Concen: 2.585 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.36 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:184 Resp: 29651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.2 | 11.1 | 16.7# |
| 183 | 8.9 | 10.6 | 16.0# |

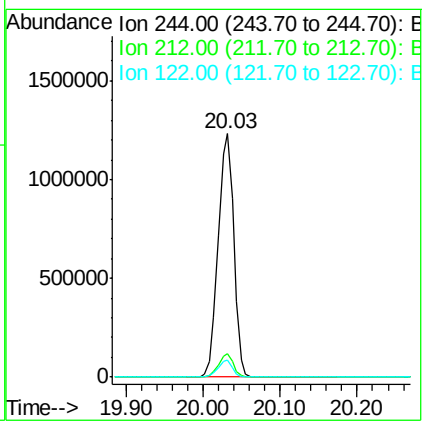


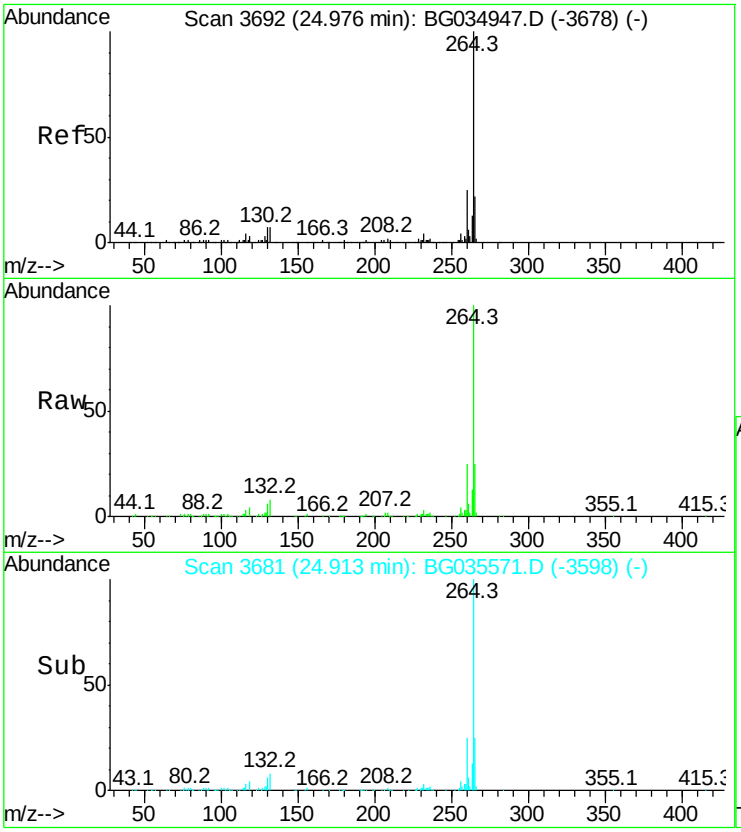




#78
Terphenyl-d14
Concen: 117.374 ng
RT: 20.03 min Scan# 2850
Delta R.T. -0.02 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

Tgt Ion:244 Resp: 1727758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.5 | 5.8 | 8.8# |
| 122 | 6.8 | 7.0 | 10.4# |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3681
Delta R.T. -0.04 min
Lab File: BG035571.D
Acq: 3 Jul 2018 4:45

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

Tgt Ion:264 Resp: 283453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 17.4 | 26.0 |
| 265 | 25.2 | 17.7 | 26.5 |