Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
Data File : BG034959.D
Acq On : 7 Jun 2018 19:23
Operator : SJ/JU
Sample : J3241-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** HR-06-060518-B

Quant Time: Jun 08 04:32:47 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 07 13:13:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 41272 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 149176 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 14.70 | 164 | 106973 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.45 | 188 | 295487 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.72 | 240 | 325710 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 24.96 | 264 | 315142 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 302147 | 123.55 | ng | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 408406 | 113.15 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 313406 | 99.87 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.19 | 330 | 214143 | 156.38 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.33 | 172 | 683211 | 83.03 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.06 | 244 | 1416223 | 91.08 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.24 | 70 | 44676 | 14.57 | ng | # 72 |
| 50) 2,6-Dinitrotoluene | 14.70 | 165 | 14971 | 8.80 | ng | # 18 |
| 56) 2,4-Dinitrotoluene | 14.70 | 165 | 14971 | 6.62 | ng | # 16 |
| 66) 4-Bromophenyl-phenylether | 16.19 | 248 | 16959 | 4.77 | ng | # 1 |
| 76) Benzidine | 20.06 | 184 | 25064 | 2.07 | ng | # 91 |

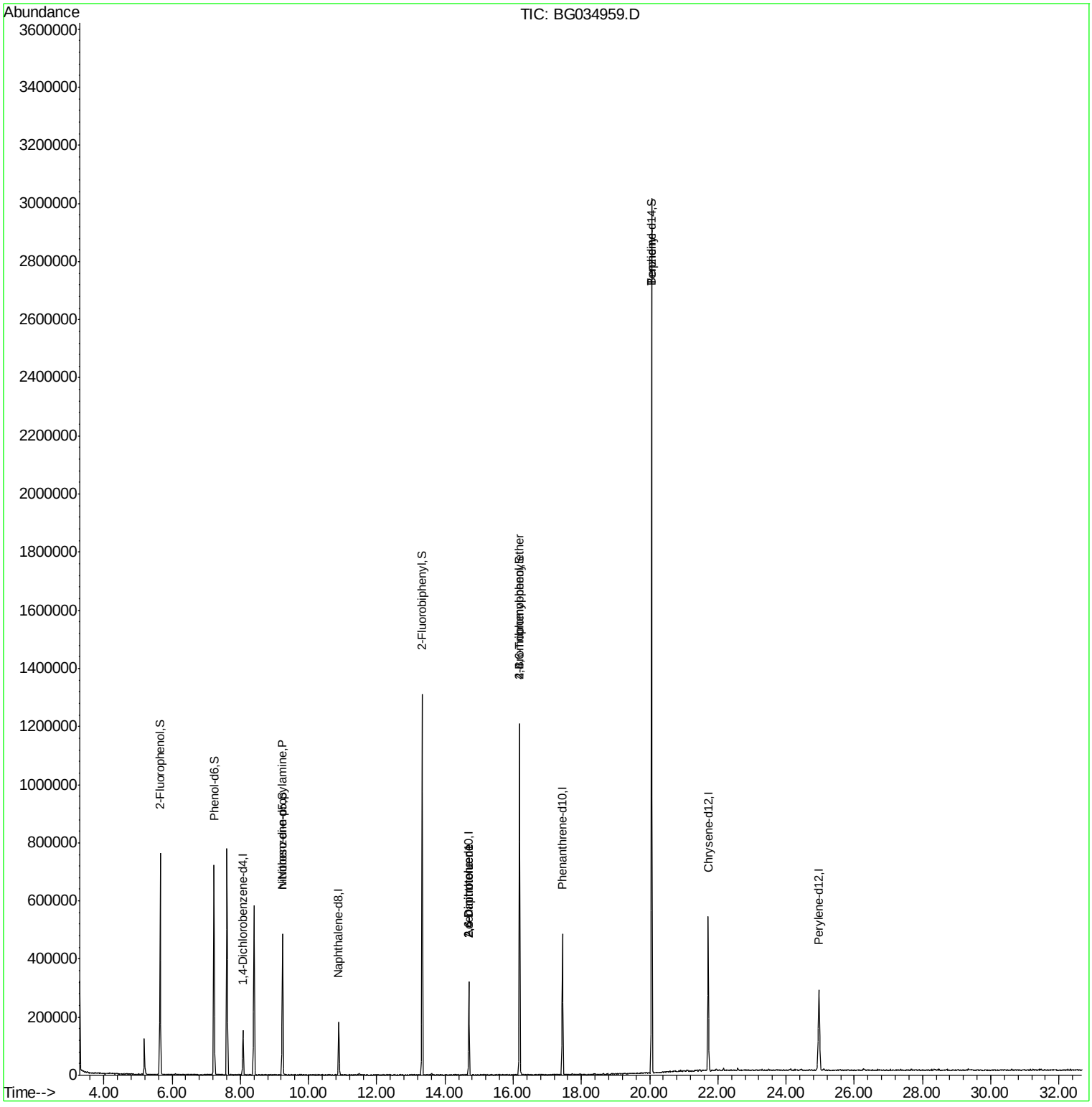
(#) = qualifier out of range (m) = manual integration (+) = signals summed

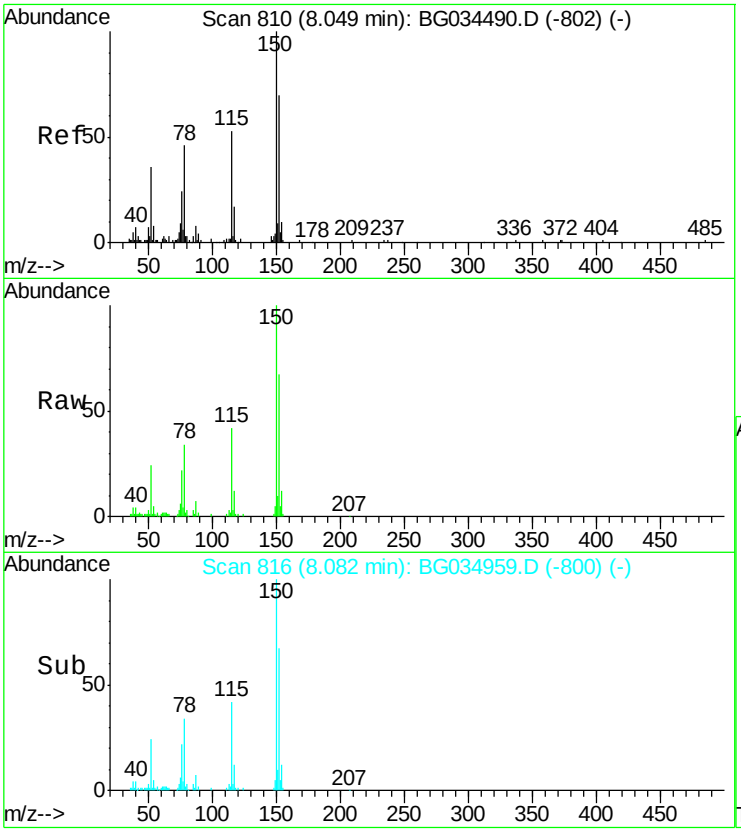
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
Data File : BG034959.D
Acq On : 7 Jun 2018 19:23
Operator : SJ/JU
Sample : J3241-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** HR-06-060518-B

Quant Time: Jun 08 04:32:47 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 07 13:13:20 2018
Response via : Initial Calibration



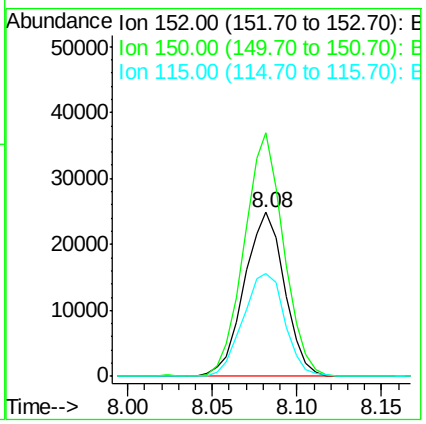


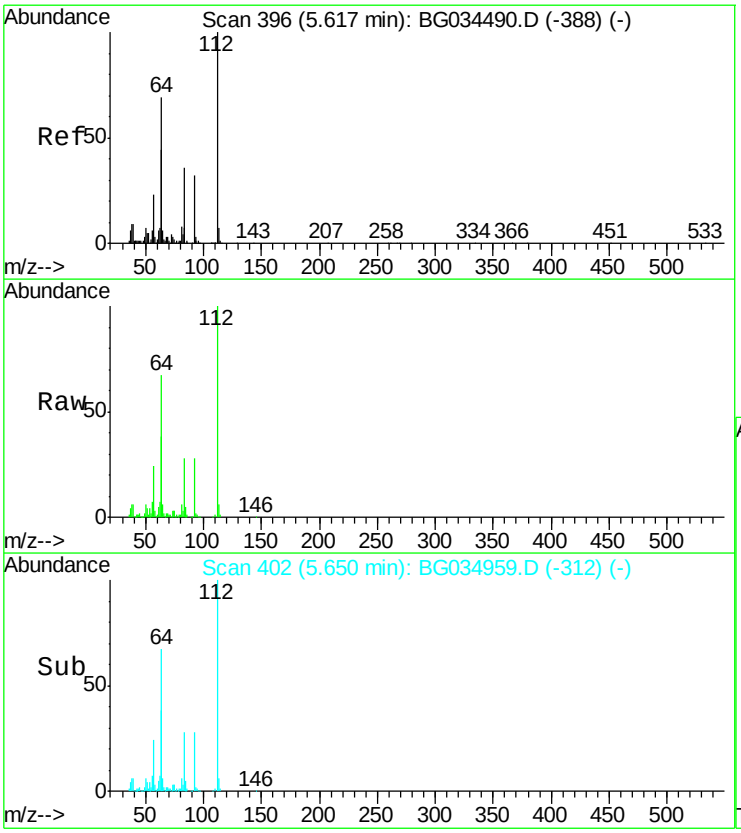

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:152 Resp: 41272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.8 | 126.6 | 189.8 |
| 115 | 62.7 | 53.0 | 79.4 |

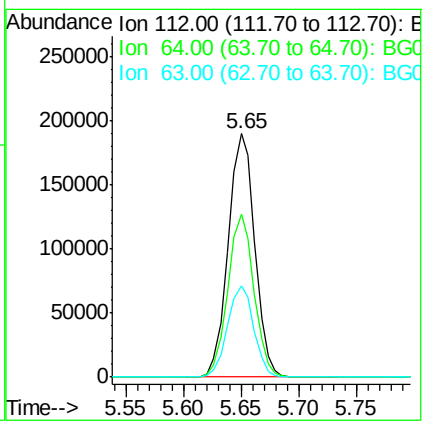


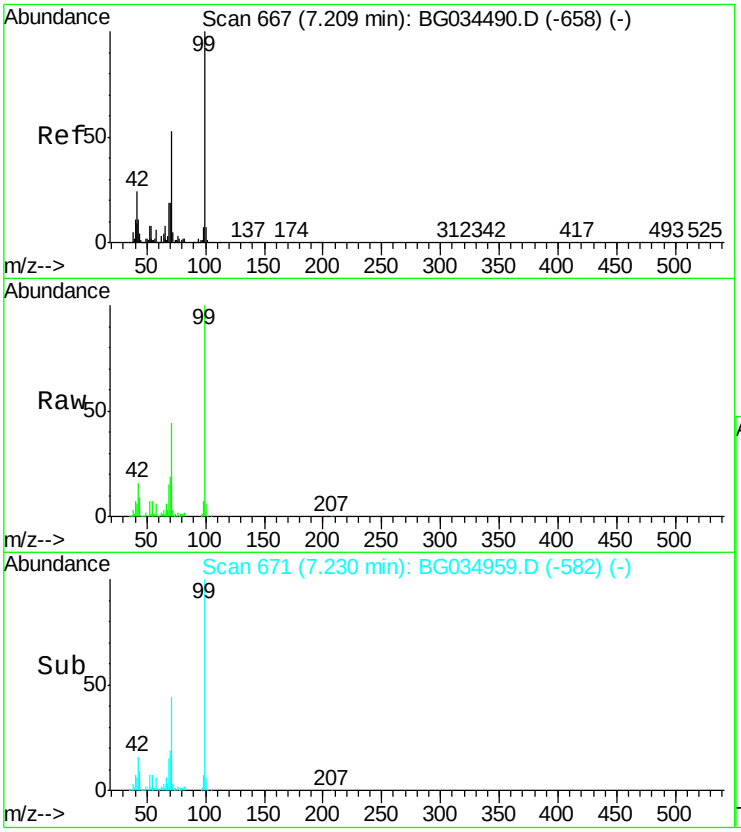




#5
2-Fluorophenol
Concen: 123.55 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:112 Resp: 302147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.9 | 56.3 | 84.5 |
| 63 | 37.6 | 30.1 | 45.1 |



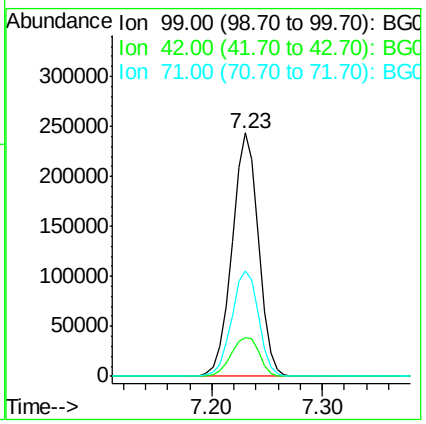


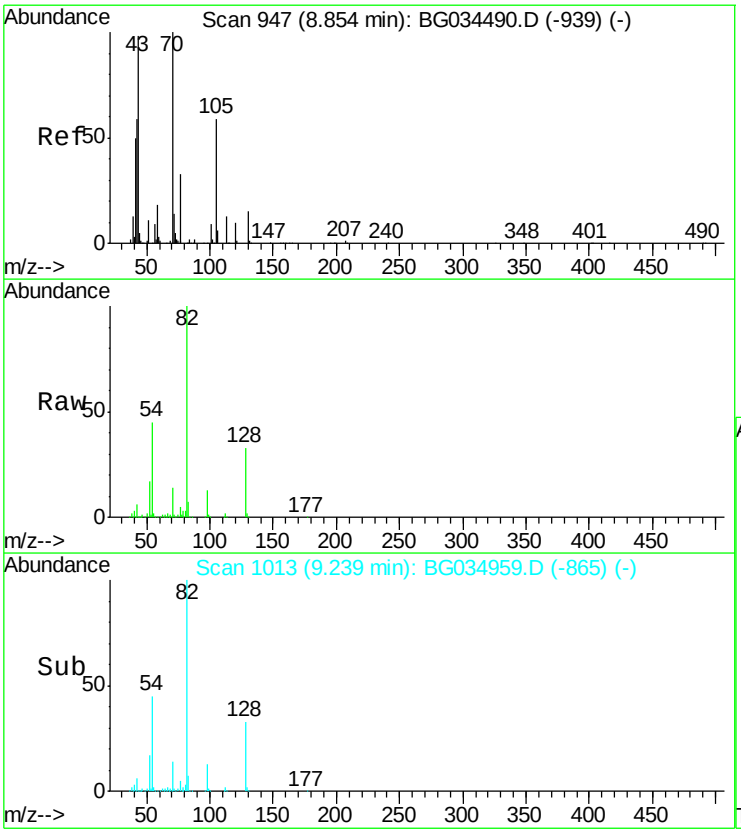

#7
Phenol-d6
Concen: 113.15 ng
RT: 7.23 min Scan# 671
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion: 99 Resp: 408406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.1 | 21.1 |
| 71 | 43.5 | 26.1 | 39.1# |

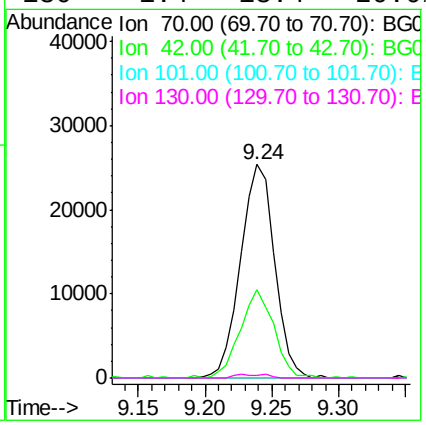


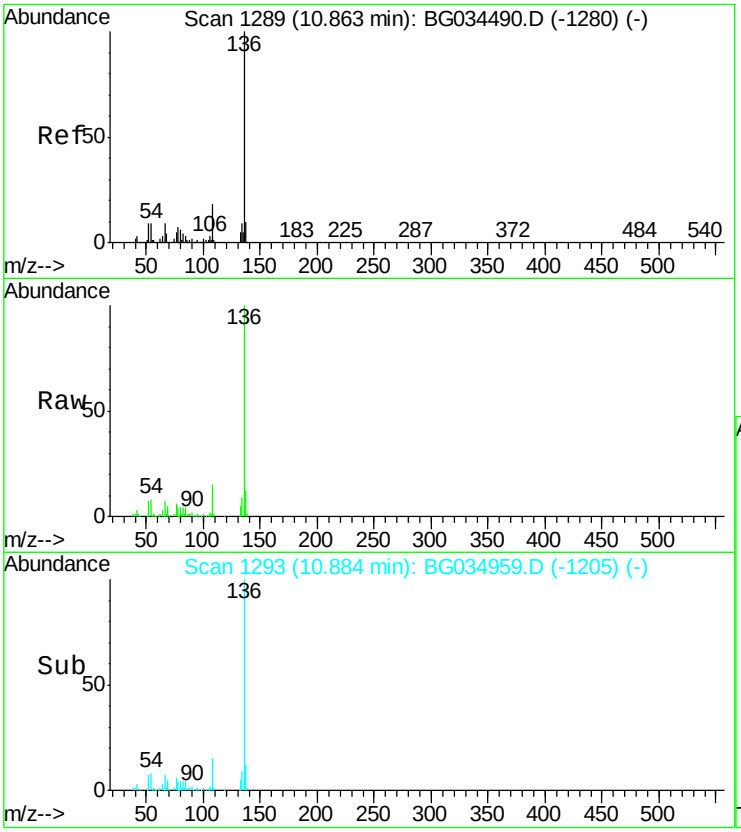




#19
n-Nitroso-di-n-propylamine
Concen: 14.57 ng
RT: 9.24 min Scan# 1013
Delta R.T. 0.34 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion: 70 Resp: 44676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.6 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 1.4 | 13.4 | 20.0# |



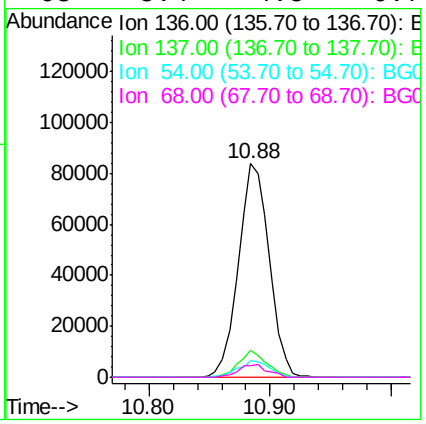


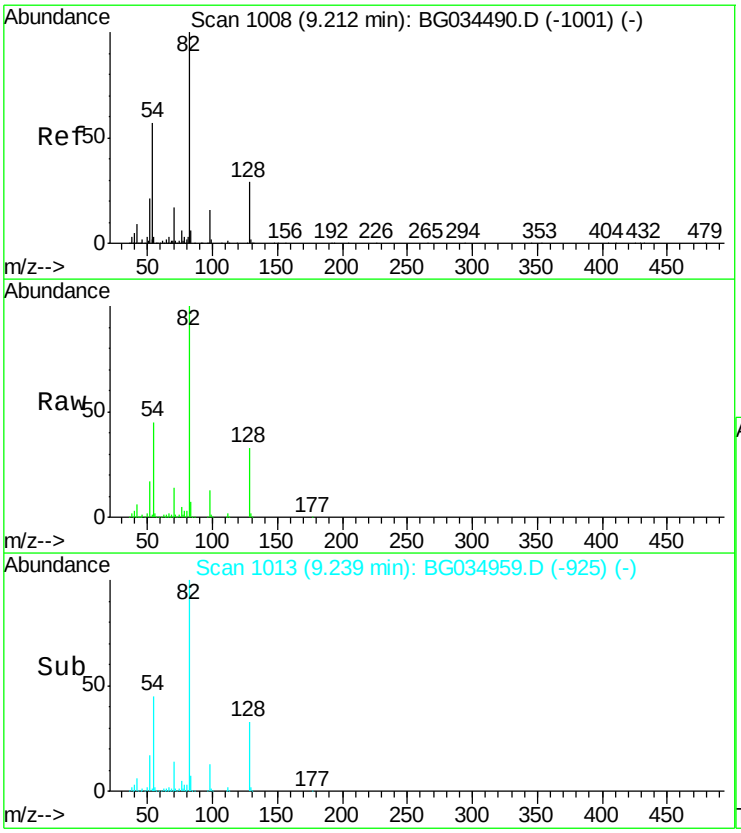

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:136 Resp: 149176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.4 | 9.2 | 13.8 |
| 54 | 7.5 | 10.3 | 15.5# |
| 68 | 5.4 | 4.5 | 6.7 |

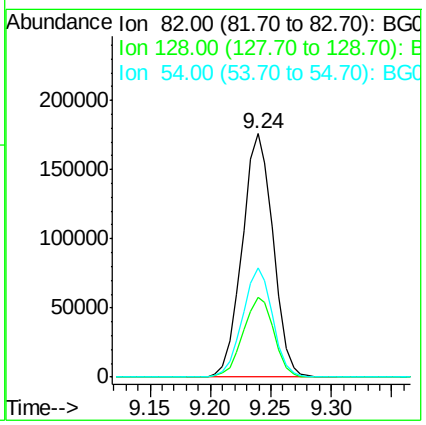


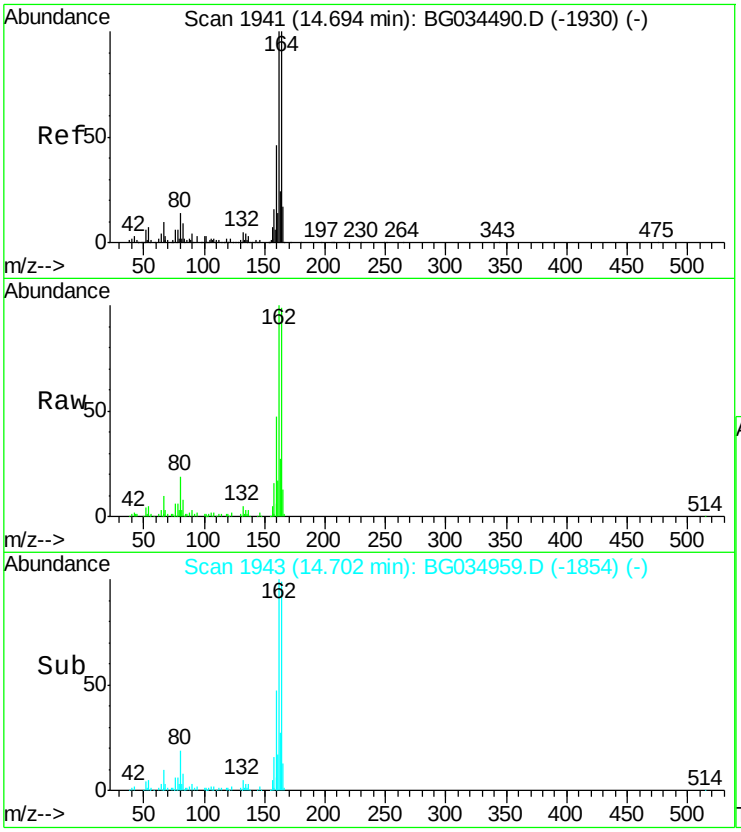




#23
Nitrobenzene-d5
Concen: 99.87 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion: 82 Resp: 313406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 32.6 | 29.7 | 44.5 |
| 54 | 44.9 | 43.1 | 64.7 |



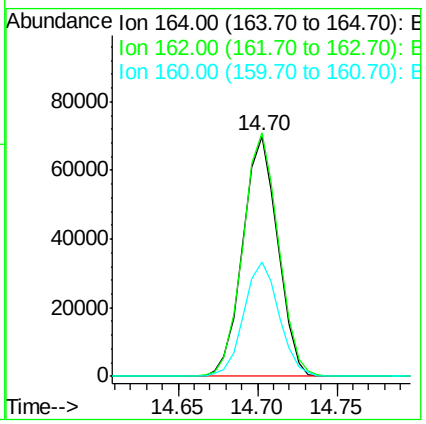


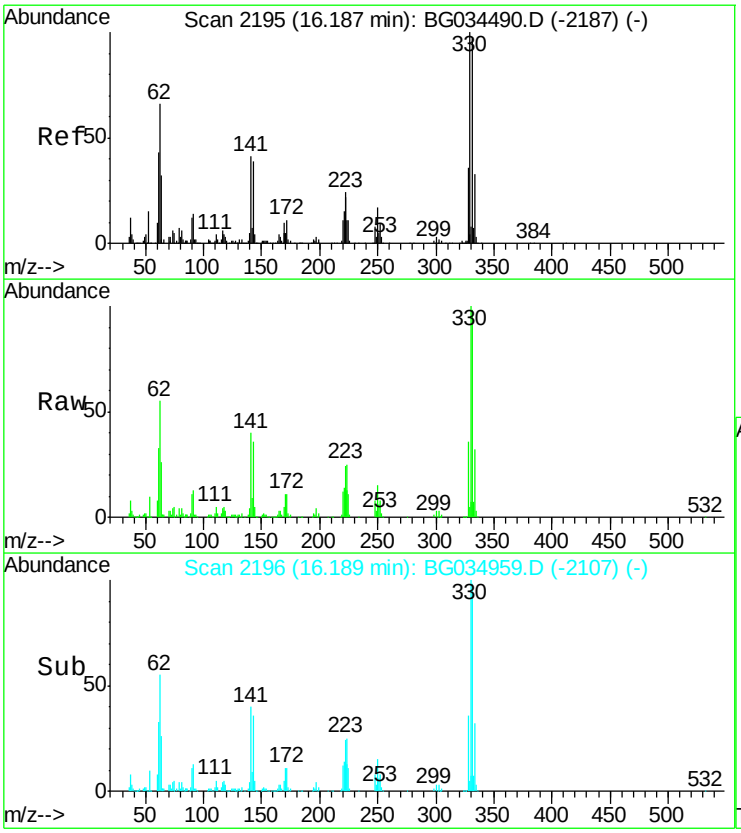

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:164 Resp: 106973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 78.8 | 118.2 |
| 160 | 47.4 | 35.4 | 53.0 |

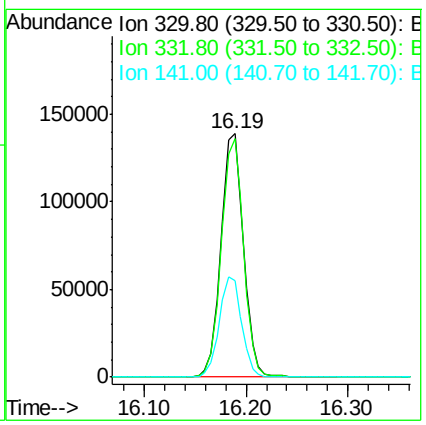


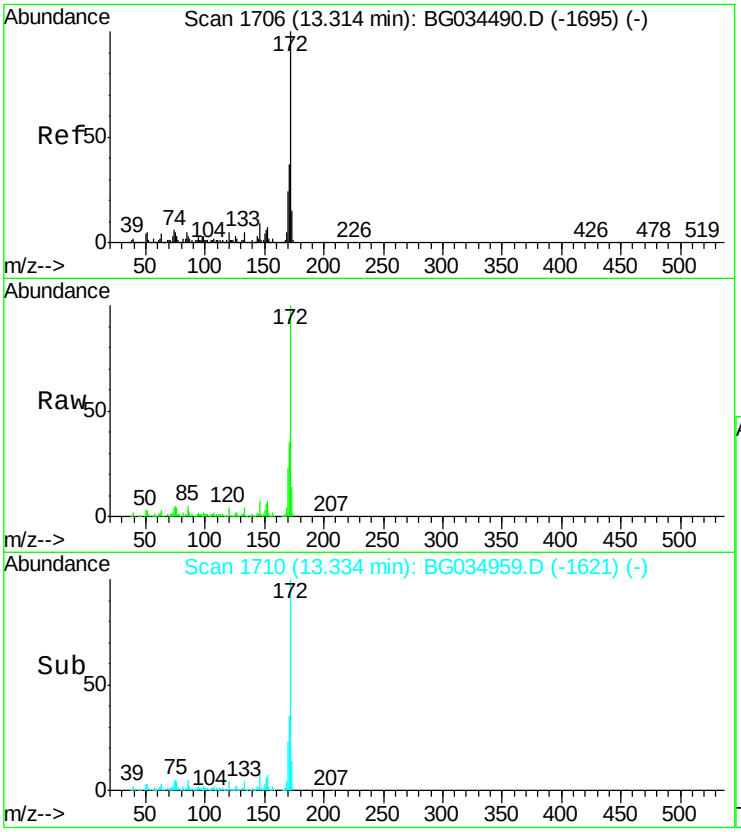




#41
2,4,6-Tribromophenol
Concen: 156.38 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:330 Resp: 214143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.0 | 115.6 |
| 141 | 40.8 | 25.2 | 37.8# |



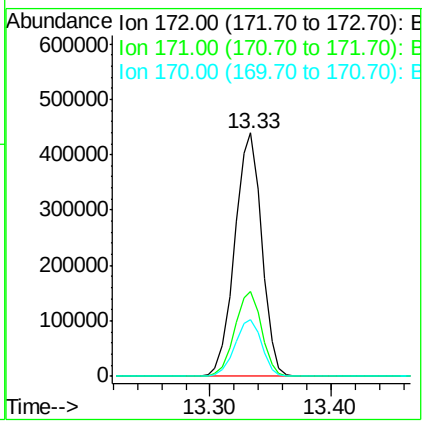


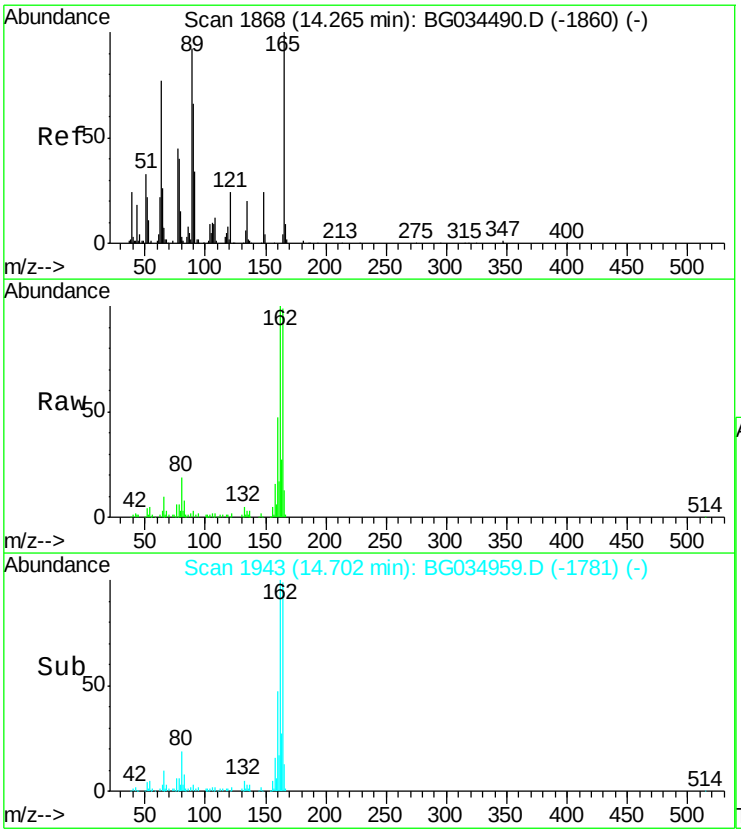

#44
2-Fluorobiphenyl
Concen: 83.03 ng
RT: 13.33 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:172 Resp: 683211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 30.0 | 45.0 |
| 170 | 23.5 | 19.5 | 29.3 |

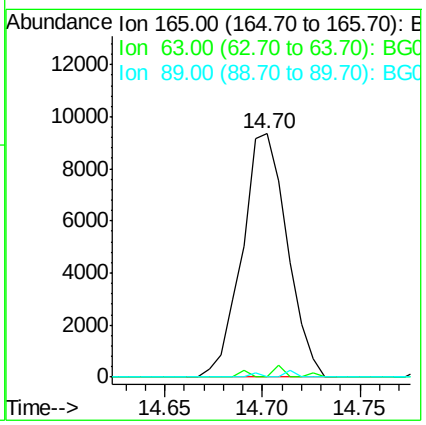


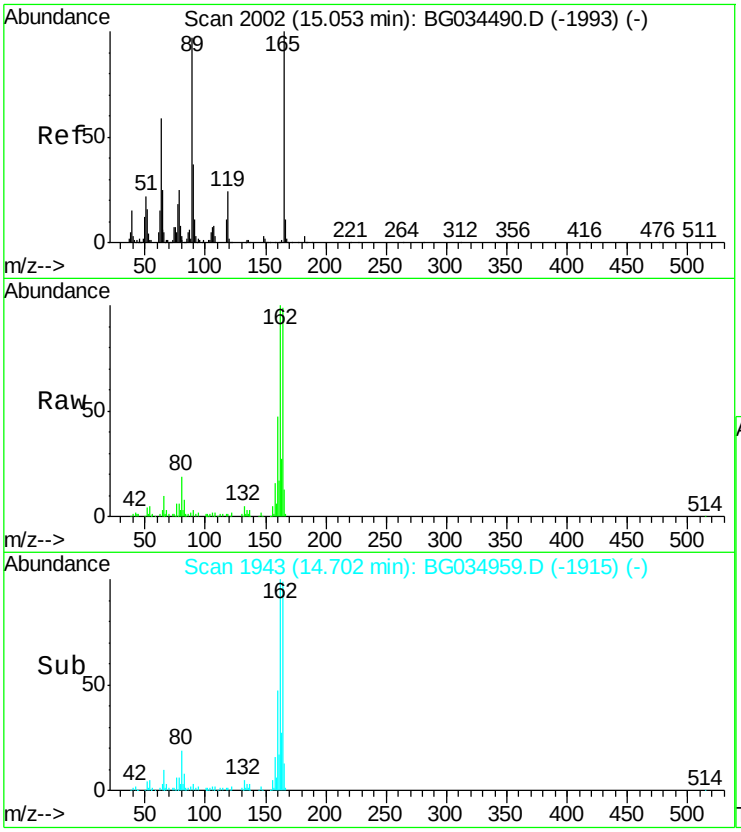




#50
2,6-Dinitrotoluene
Concen: 8.80 ng
RT: 14.70 min Scan# 1943
Delta R.T. 0.42 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:165 Resp: 14971

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



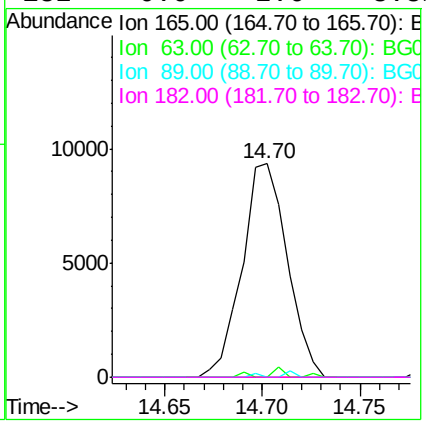


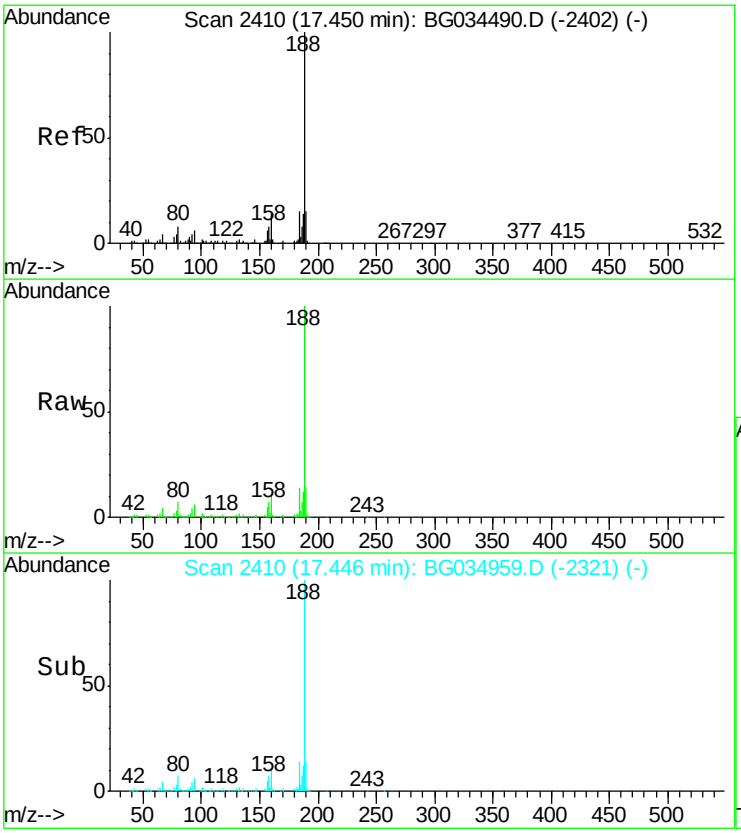

#56
2,4-Dinitrotoluene
Concen: 6.62 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.36 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:165 Resp: 14971

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

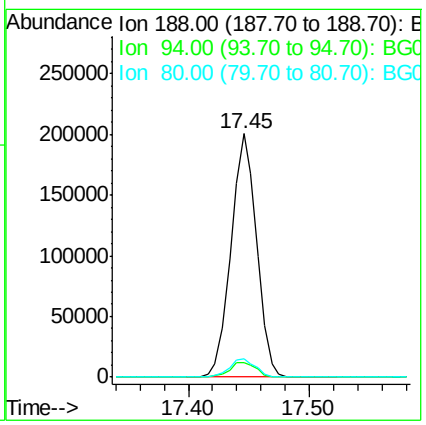


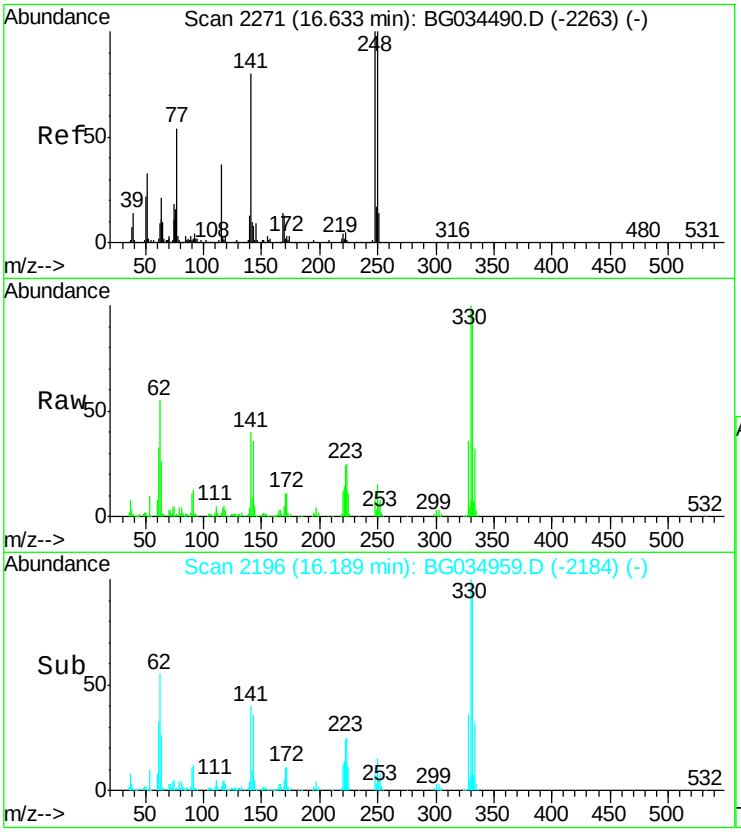




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.45 min Scan# 2410
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:188 Resp: 295487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.1 | 6.9 | 10.3# |
| 80 | 7.3 | 7.7 | 11.5# |



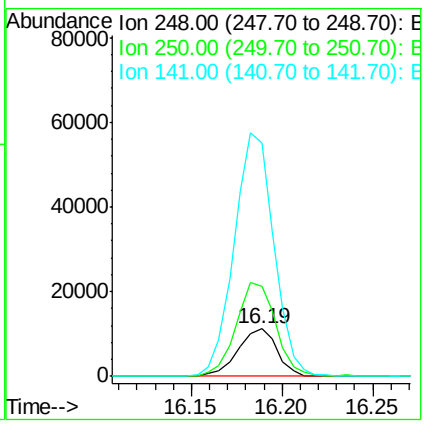


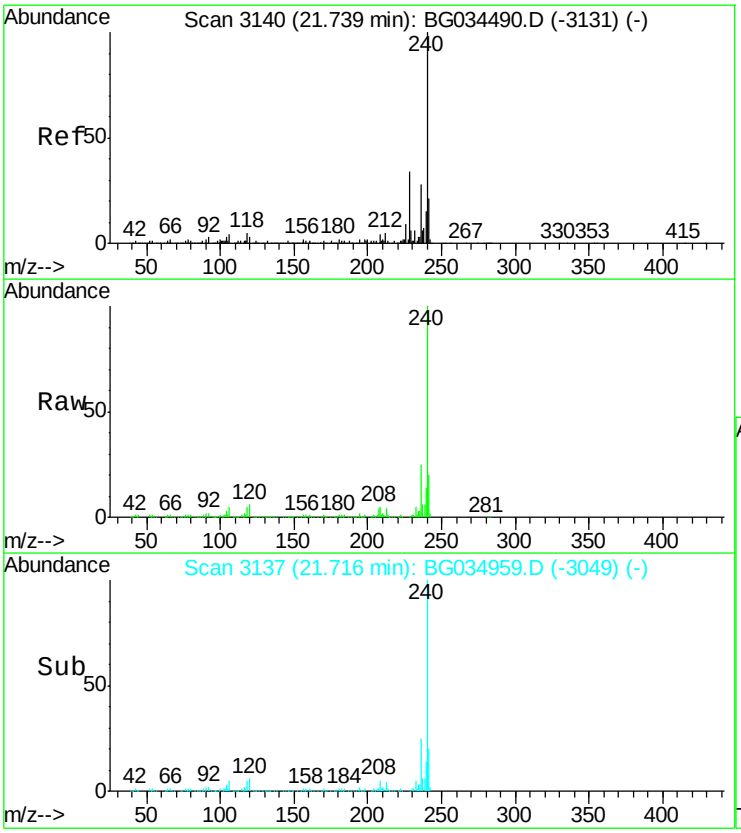

#66
4-Bromophenyl-phenylether
Concen: 4.77 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.46 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:248 Resp: 16959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.5 | 77.1 | 115.7# |
| 141 | 493.3 | 50.8 | 76.2# |

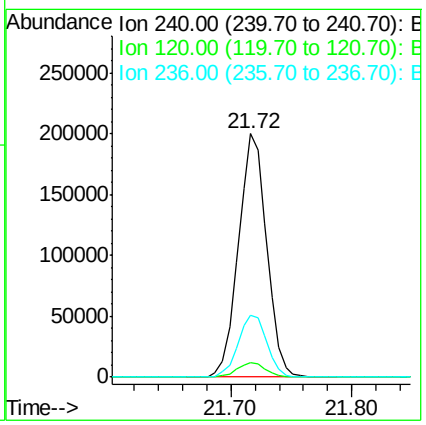


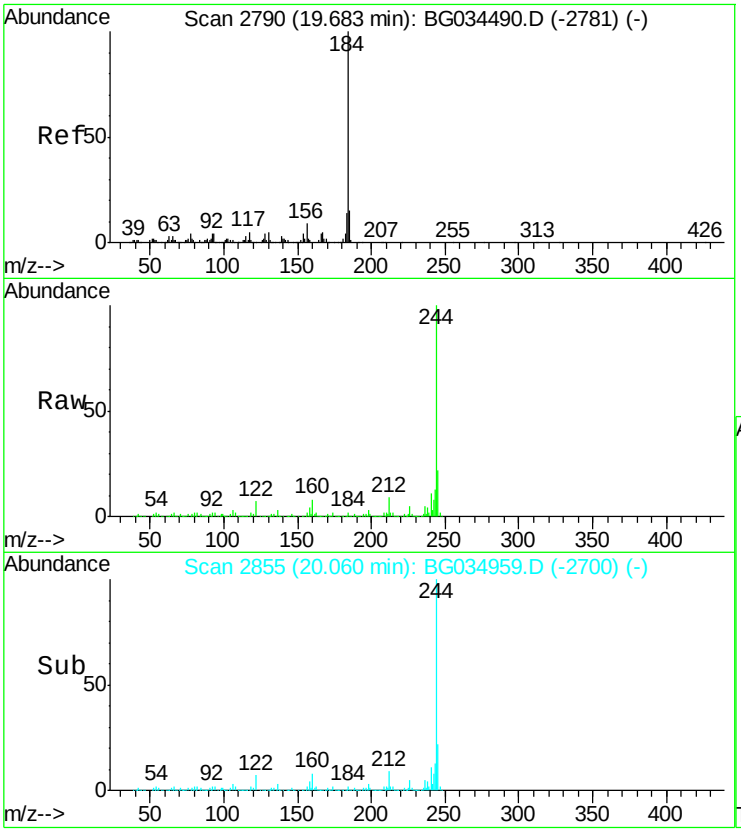




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:240 Resp: 325710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.9 | 6.8 | 10.2# |
| 236 | 25.2 | 20.9 | 31.3 |



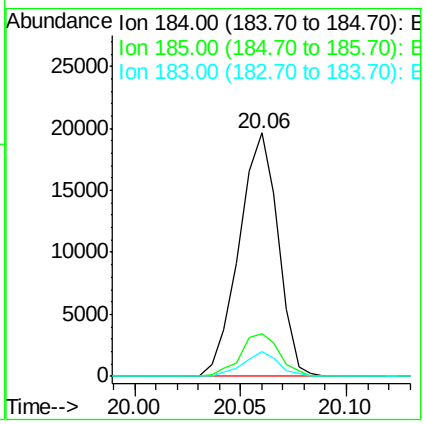


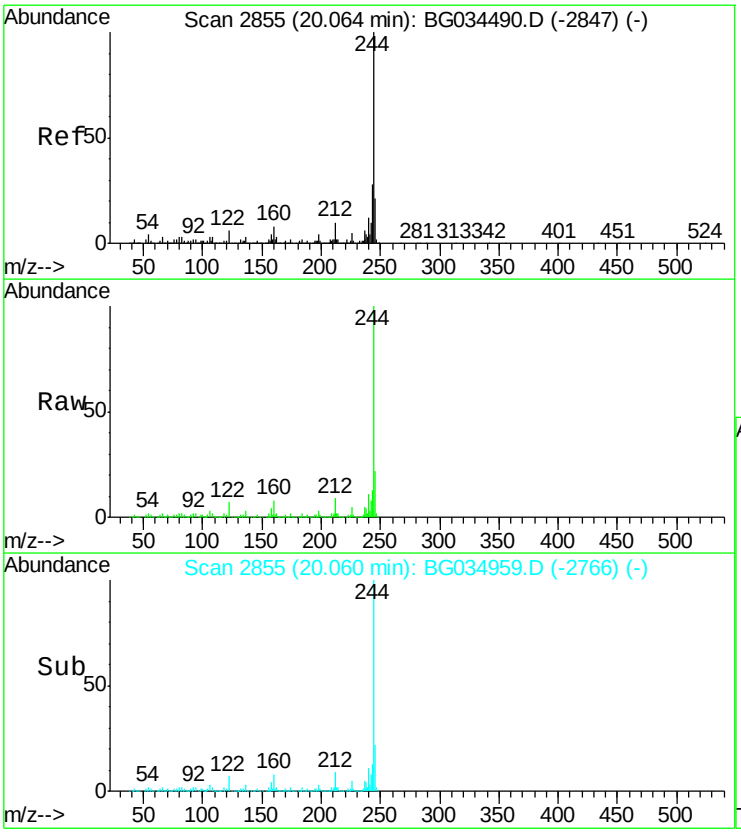

#76
Benzidine
Concen: 2.07 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.38 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:184 Resp: 25064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.6 | 11.1 | 16.7# |
| 183 | 10.1 | 10.6 | 16.0# |

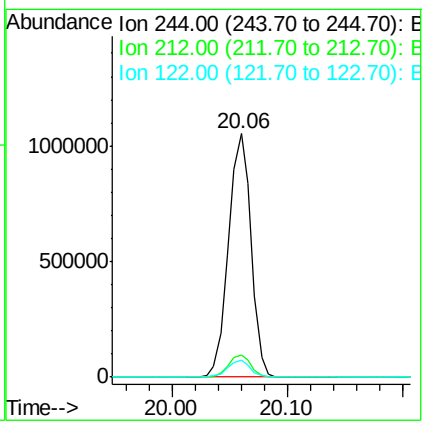


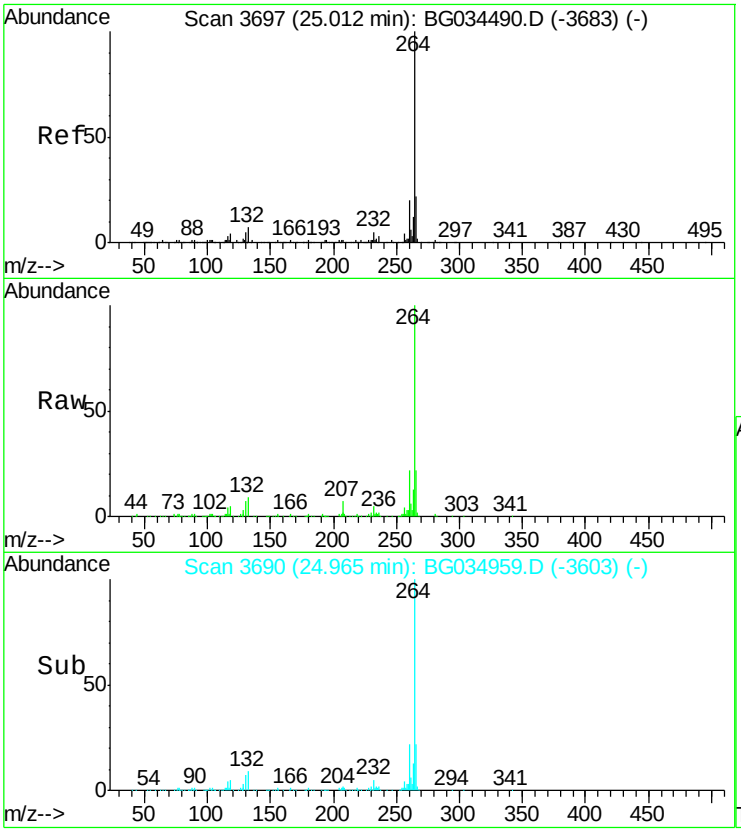




#78
Terphenyl-d14
Concen: 91.08 ng
RT: 20.06 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

Tgt Ion:244 Resp: 1416223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.0 | 5.8 | 8.8# |
| 122 | 6.9 | 7.0 | 10.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 24.96 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG034959.D
Acq: 7 Jun 2018 19:23

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-060518-B

Tgt Ion:264 Resp: 315142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 17.4 | 26.0 |
| 265 | 21.8 | 17.7 | 26.5 |