Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
Data File : BG039199.D
Acq On : 18 Jan 2019 1:11
Operator : JU/SJ
Sample : K1153-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** RBR200044-RBR200027

Quant Time: Jan 18 04:15:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 22944 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.83 | 136 | 89355 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 65486 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 176302 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 21.68 | 240 | 201110 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 24.95 | 264 | 213681 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 173342 | 143.32 | ng | -0.01 |
| 7) Phenol-d6 | 7.18 | 99 | 218116 | 125.31 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 169296 | 103.67 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 170188 | 155.04 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 444979 | 92.99 | ng | -0.01 |
| 79) Terphenyl-d14 | 20.01 | 244 | 1009097 | 92.82 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Benzyl Alcohol | 8.34 | 79 | 2675 | 2.041 | ng | # 48 |
| 19) n-Nitroso-di-n-propylamine | 9.19 | 70 | 22442 | 19.634 | ng | # 73 |
| 51) 2,6-Dinitrotoluene | 14.66 | 165 | 8866 | 7.166 | ng | # 24 |
| 57) 2,4-Dinitrotoluene | 14.66 | 165 | 8866 | 4.995 | ng | # 26 |
| 67) 4-Bromophenyl-phenylether | 16.15 | 248 | 10815 | 4.772 | ng | # 1 |
| 77) Benzidine | 20.01 | 184 | 16587 | 2.697 | ng | # 92 |

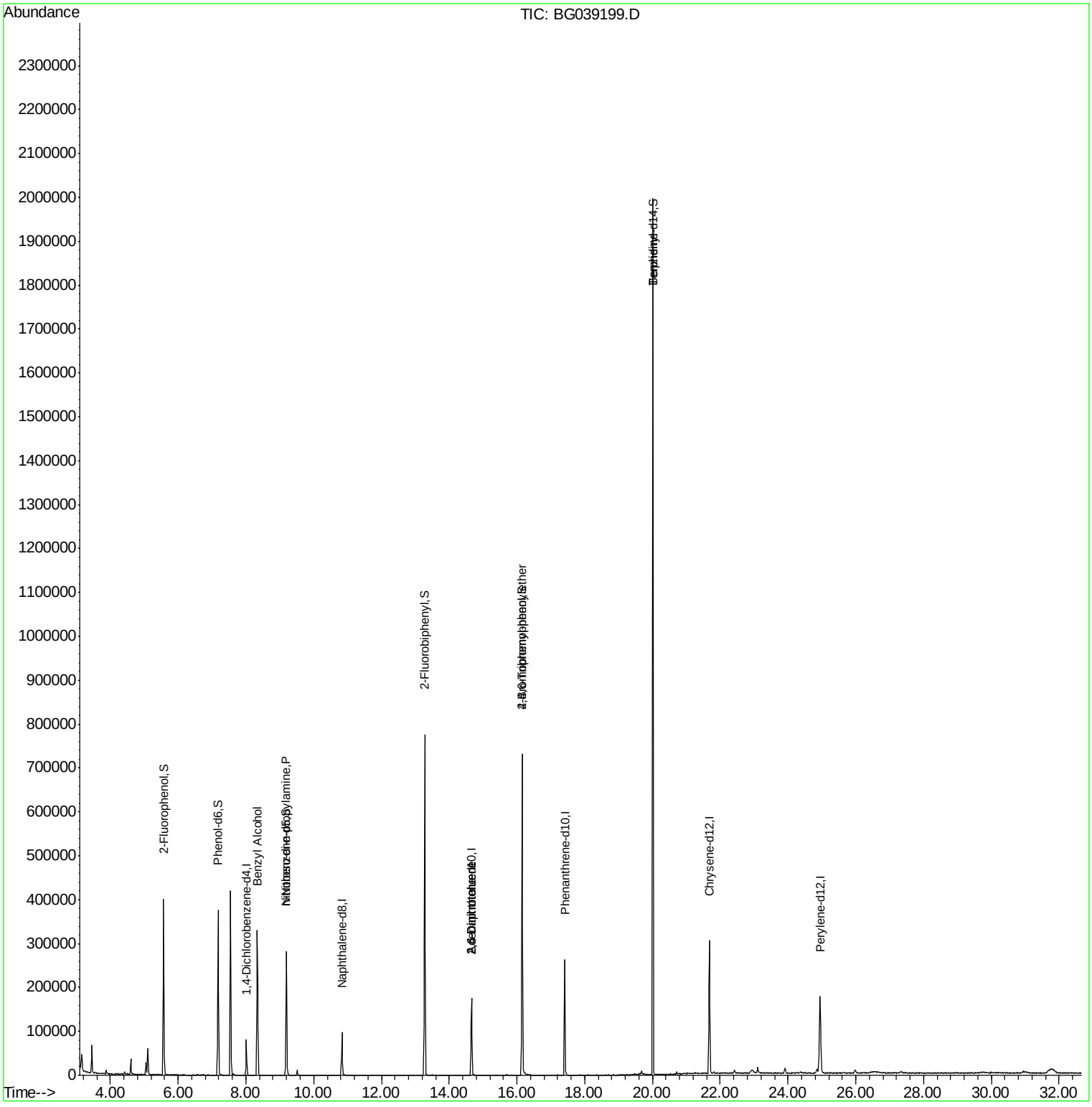
(#) = qualifier out of range (m) = manual integration (+) = signals summed

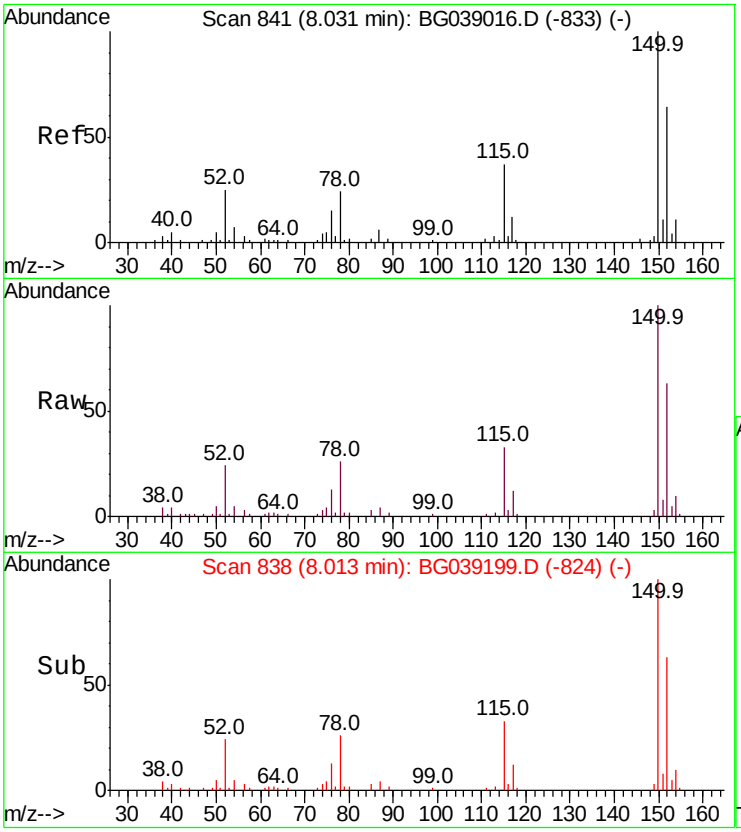
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
Data File : BG039199.D
Acq On : 18 Jan 2019 1:11
Operator : JU/SJ
Sample : K1153-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Quant Time: Jan 18 04:15:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration



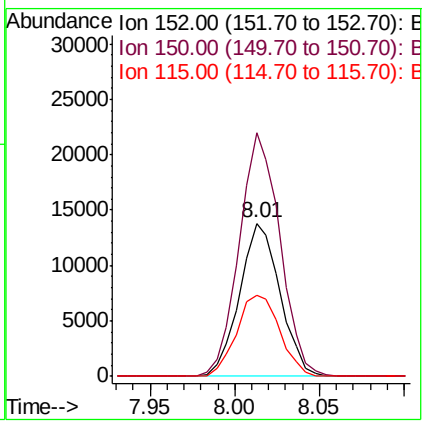


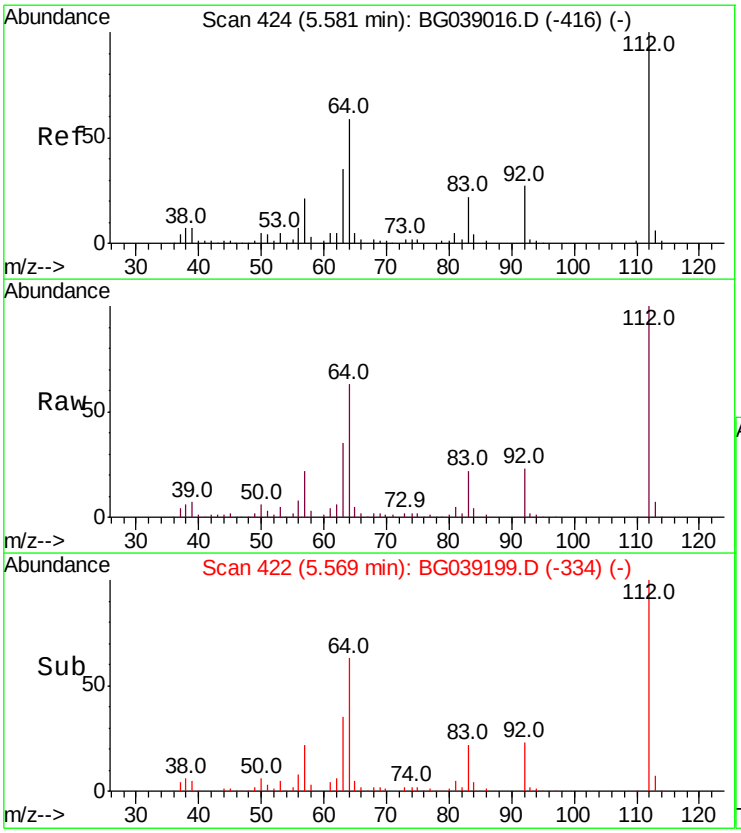

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.02 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:152 Resp: 22944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 124.7 | 187.1 |
| 115 | 52.7 | 46.5 | 69.7 |

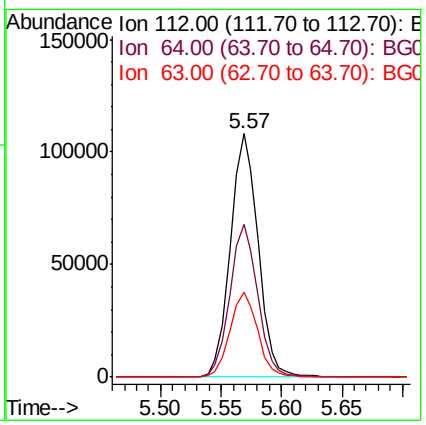


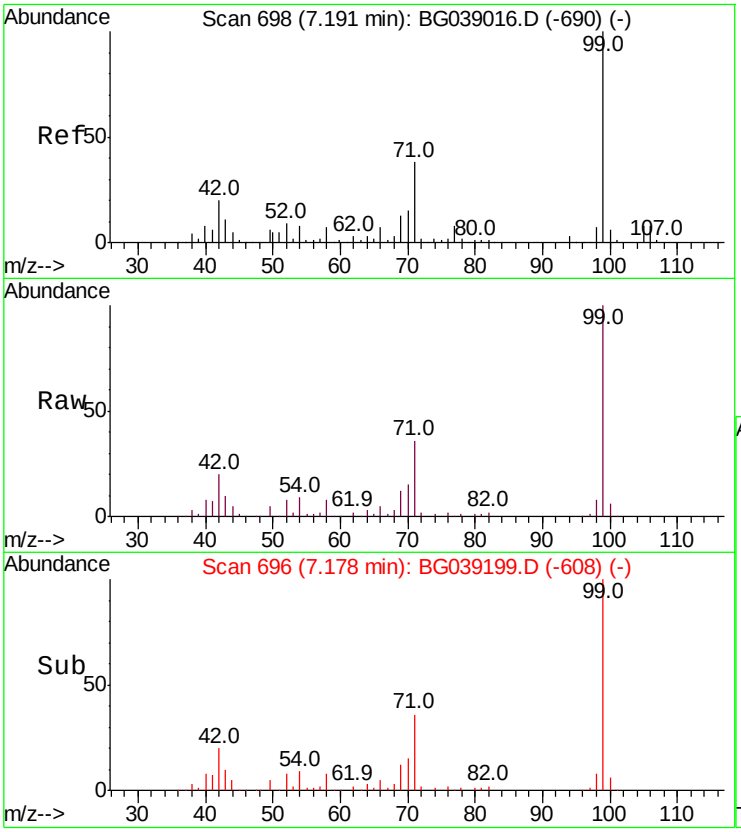




#5
2-Fluorophenol
Concen: 143.317 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:112 Resp: 173342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.7 | 47.0 | 70.6 |
| 63 | 34.9 | 28.0 | 42.0 |



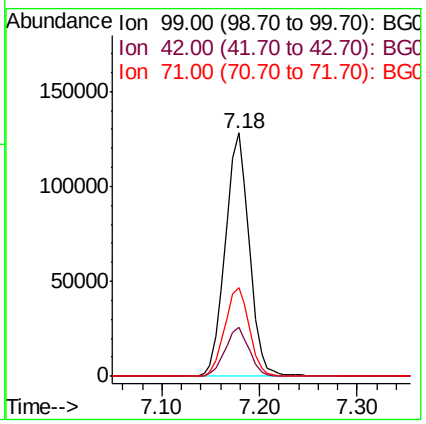


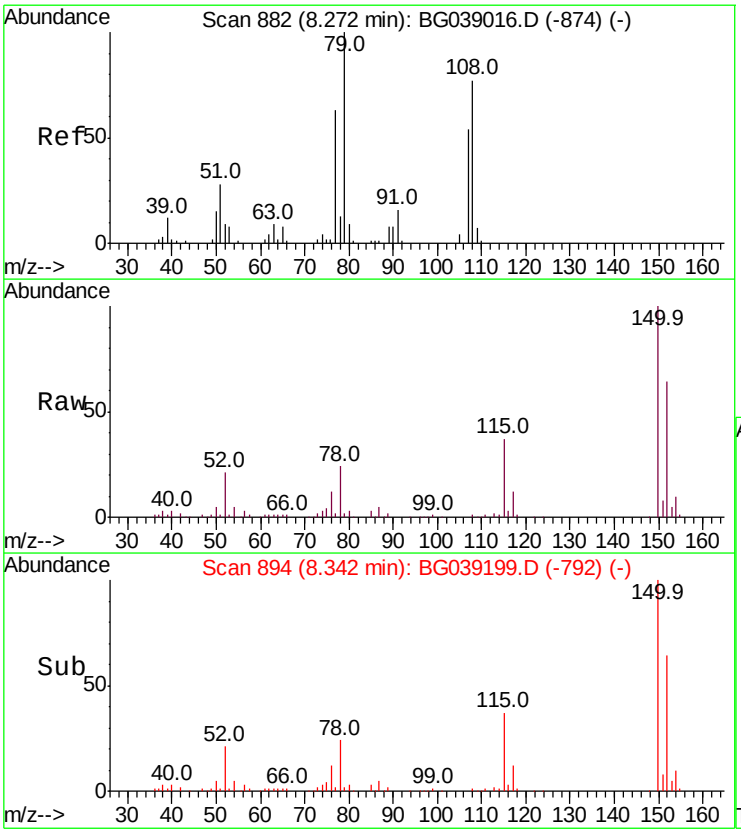

#7
Phenol-d6
Concen: 125.309 ng
RT: 7.18 min Scan# 696
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion: 99 Resp: 218116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 15.8 | 23.6 |
| 71 | 36.5 | 30.2 | 45.4 |

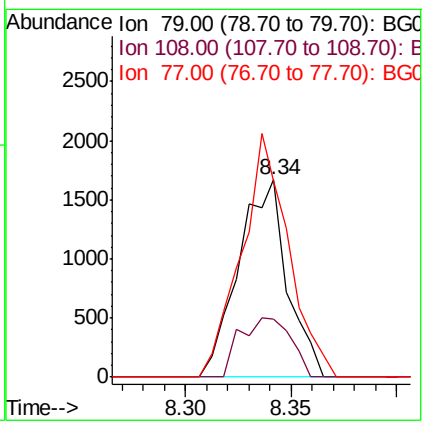


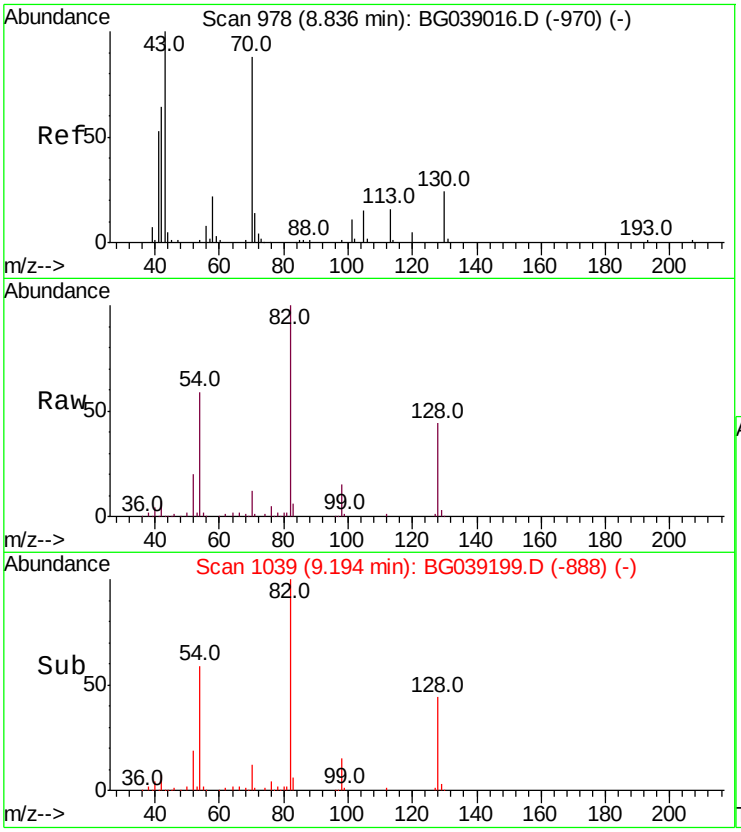




#15
Benzyl Alcohol
Concen: 2.041 ng
RT: 8.34 min Scan# 894
Delta R.T. 0.07 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion: 79 Resp: 2675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 29.6 | 62.0 | 93.0# |
| 77 | 99.4 | 50.1 | 75.1# |



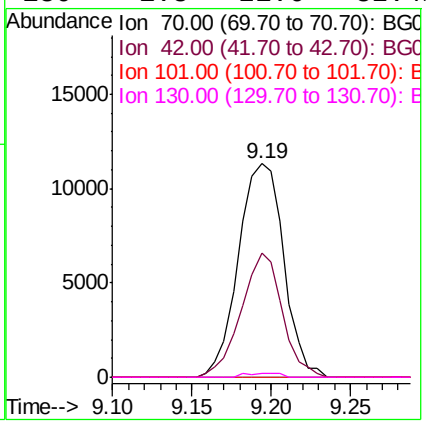


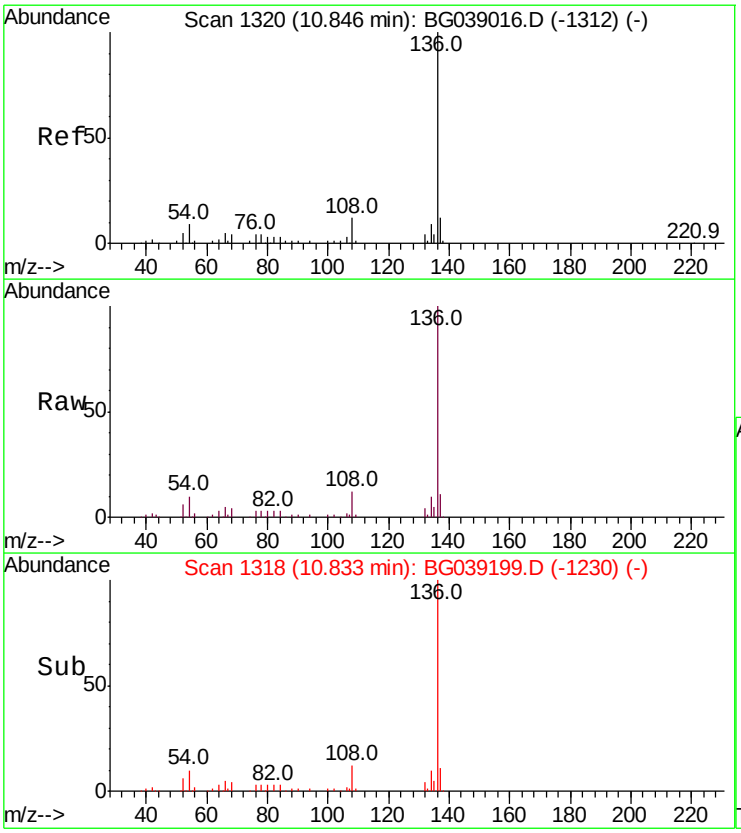

#19
n-Nitroso-di-n-propylamine
Concen: 19.634 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.36 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion: 70 Resp: 22442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.1 | 59.0 | 88.4# |
| 101 | 0.0 | 10.4 | 15.6# |
| 130 | 1.8 | 21.6 | 32.4# |

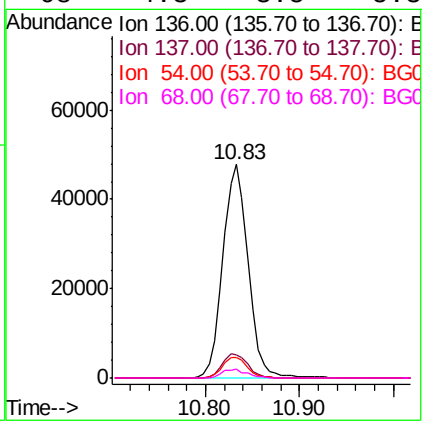


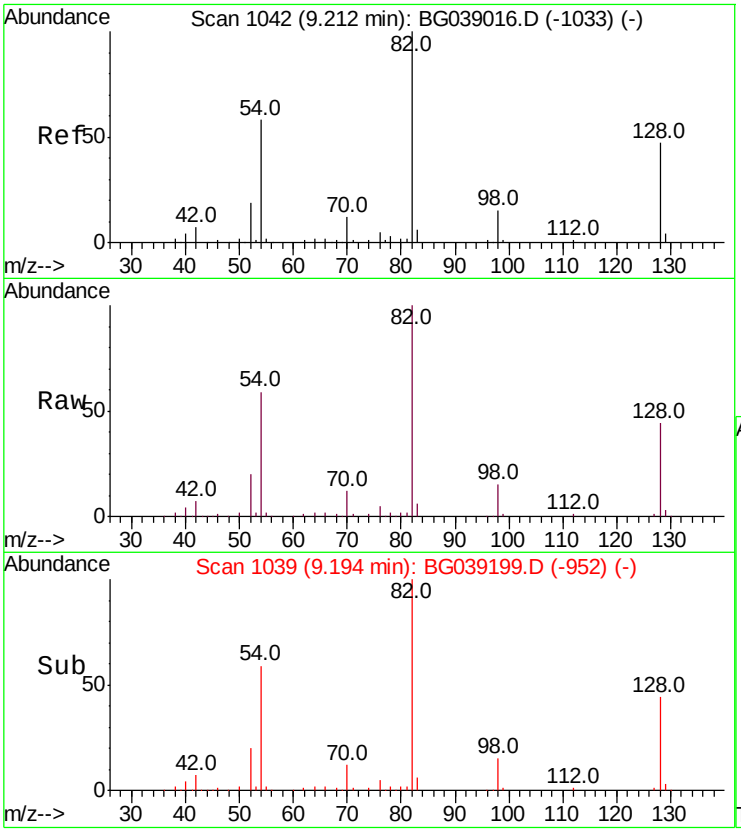




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:136 Resp: 89355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.4 | 14.2 |
| 54 | 9.6 | 7.2 | 10.8 |
| 68 | 4.3 | 3.5 | 5.3 |



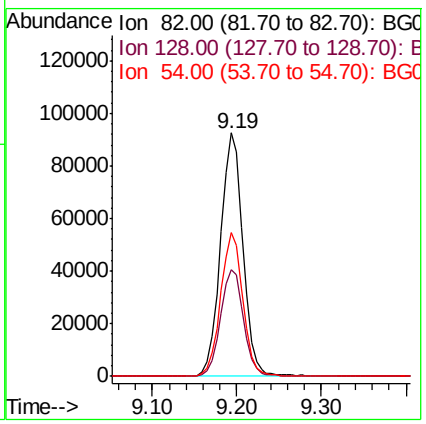


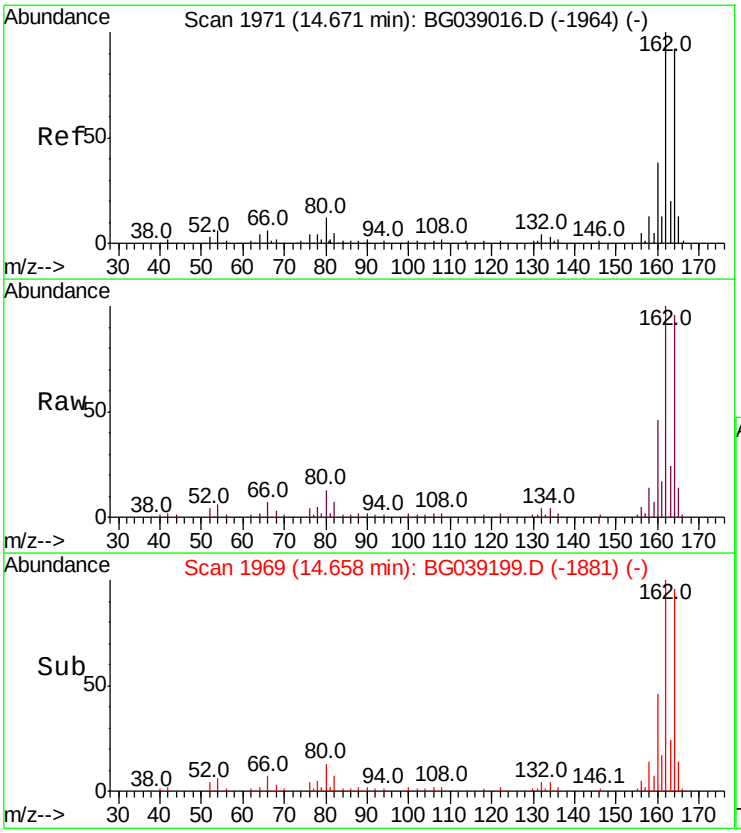

#23
Nitrobenzene-d5
Concen: 103.674 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion: 82 Resp: 169296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 37.3 | 55.9 |
| 54 | 59.1 | 46.4 | 69.6 |

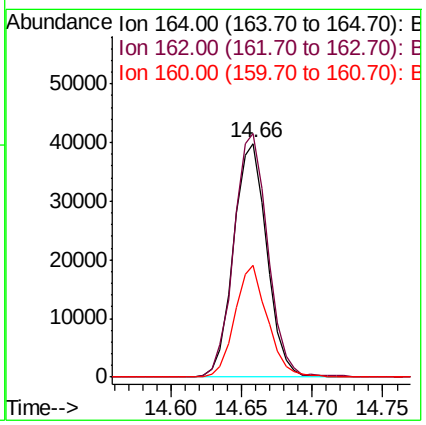


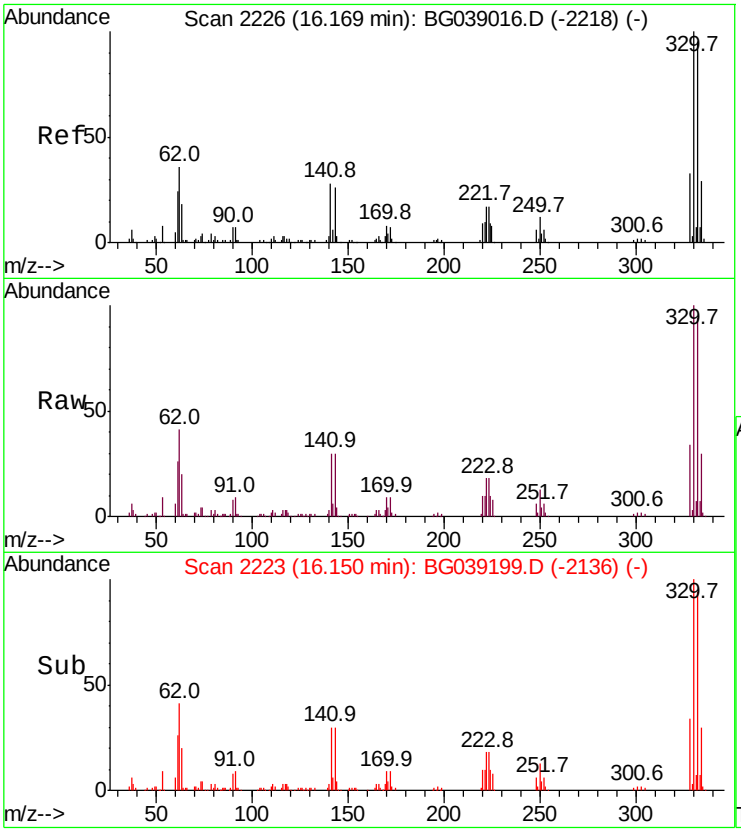




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:164 Resp: 65486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.3 | 87.2 | 130.8 |
| 160 | 48.1 | 33.3 | 49.9 |



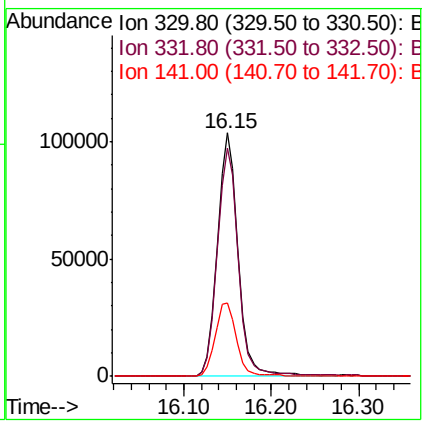


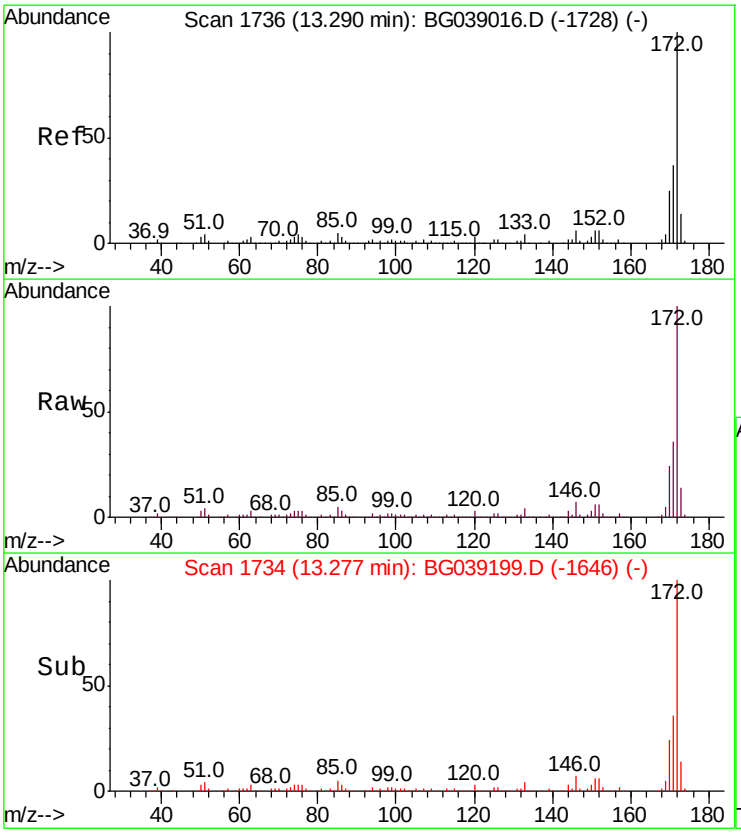

#42
2,4,6-Tribromophenol
Concen: 155.037 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:330 Resp: 170188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 75.7 | 113.5 |
| 141 | 31.1 | 24.9 | 37.3 |

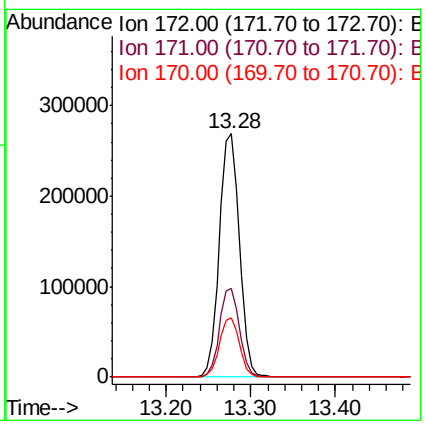


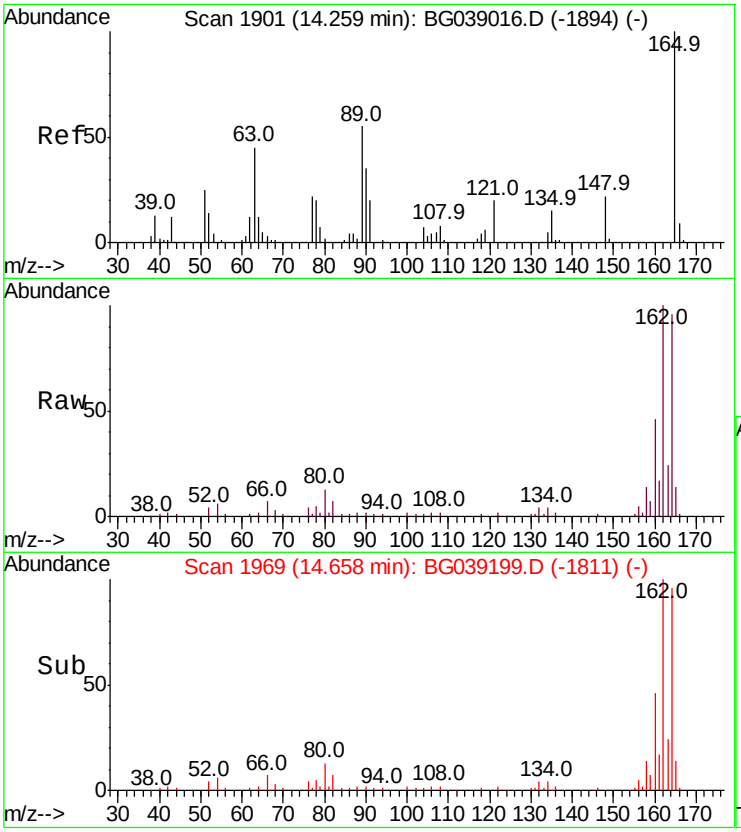




#45
2-Fluorobiphenyl
Concen: 92.994 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:172 Resp: 444979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.4 | 44.0 |
| 170 | 24.3 | 20.1 | 30.1 |



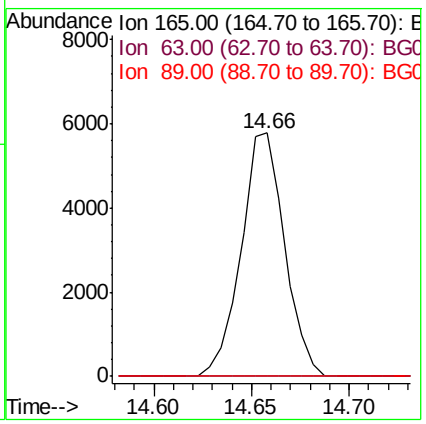


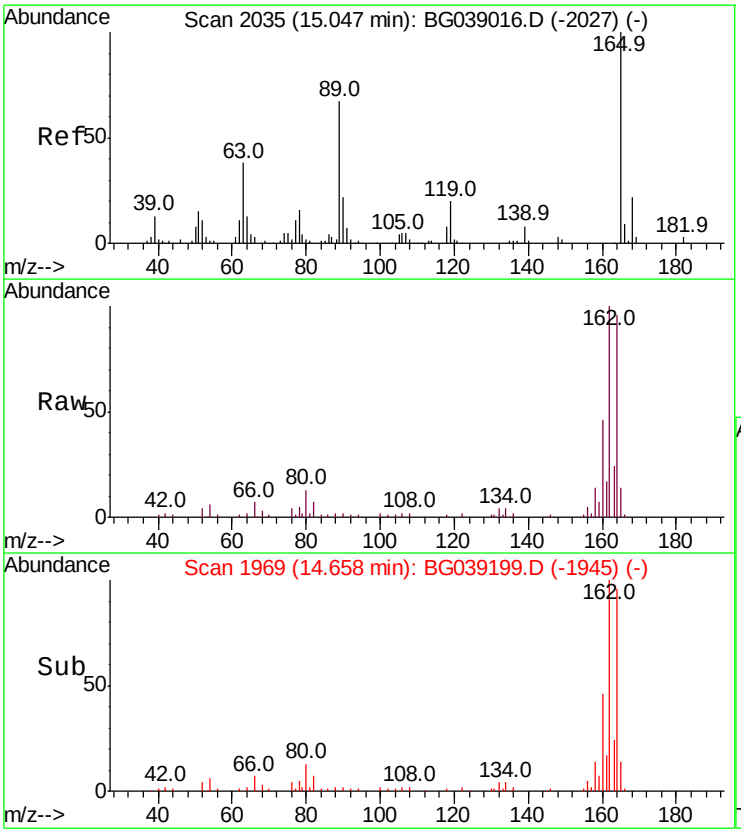

#51
2,6-Dinitrotoluene
Concen: 7.166 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.40 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:165 Resp: 8866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 43.6 | 65.4# |
| 89 | 0.0 | 43.7 | 65.5# |

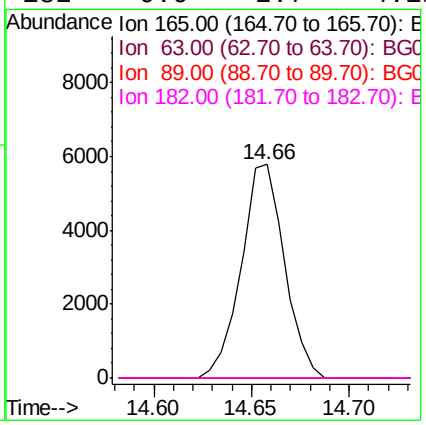


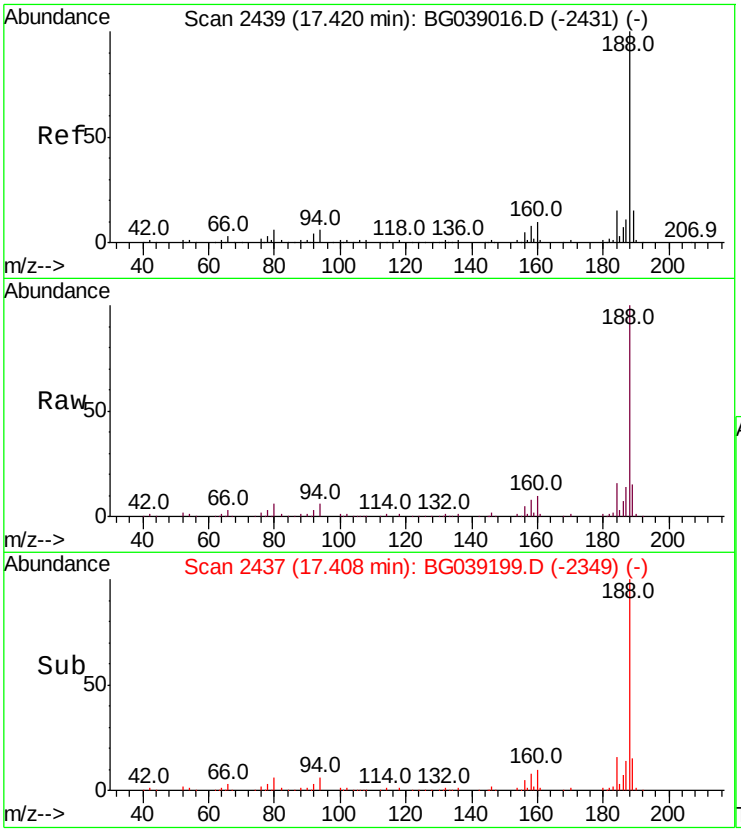




#57
2,4-Dinitrotoluene
Concen: 4.995 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.39 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:165 Resp: 8866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 30.2 | 45.4# |
| 89 | 0.0 | 53.2 | 79.8# |
| 182 | 0.0 | 2.7 | 4.1# |



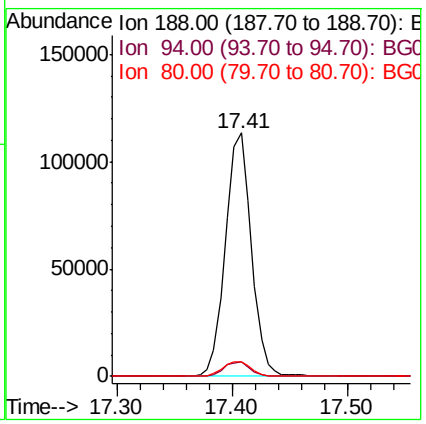


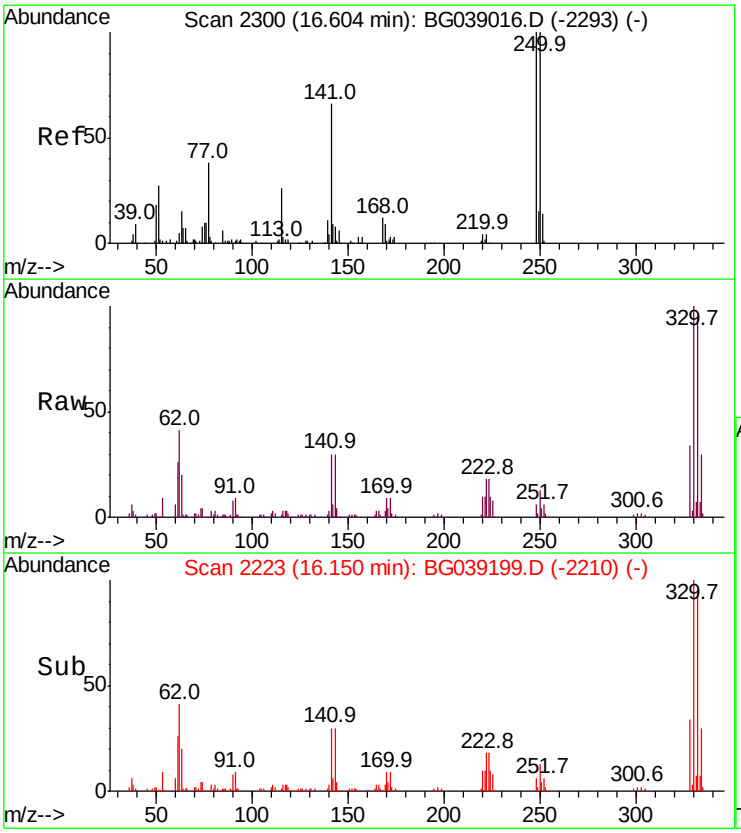

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:188 Resp: 176302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.8 | 5.0 | 7.4 |
| 80 | 5.8 | 4.7 | 7.1 |

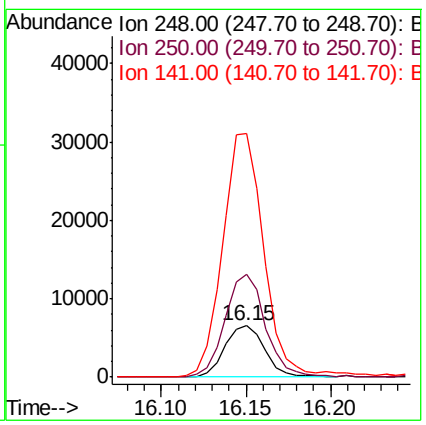


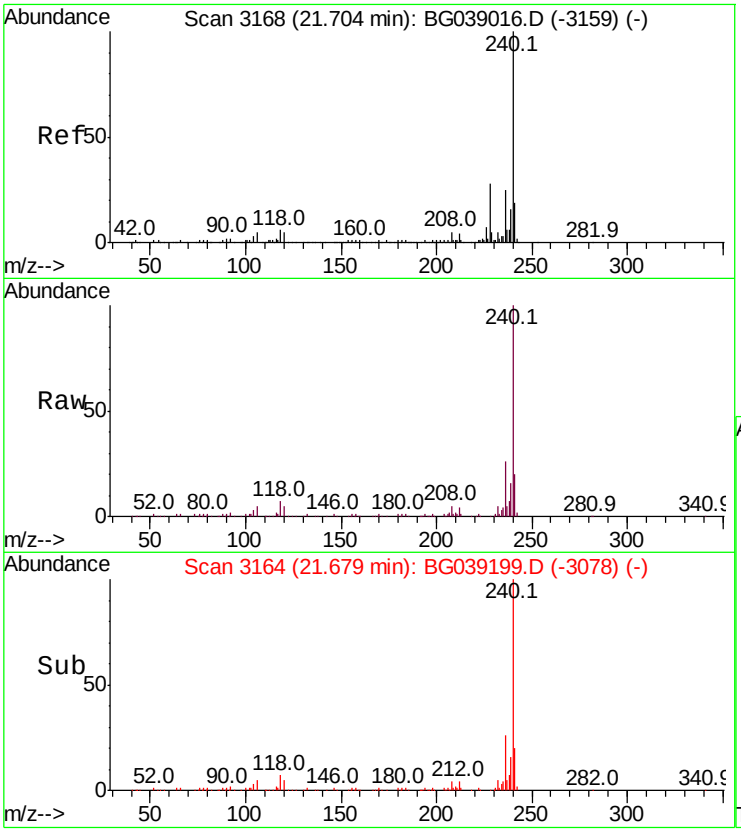




#67
4-Bromophenyl-phenylether
Concen: 4.772 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:248 Resp: 10815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 196.0 | 79.9 | 119.9# |
| 141 | 351.2 | 52.7 | 79.1# |



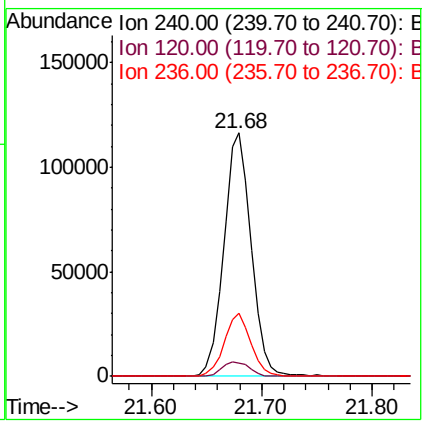


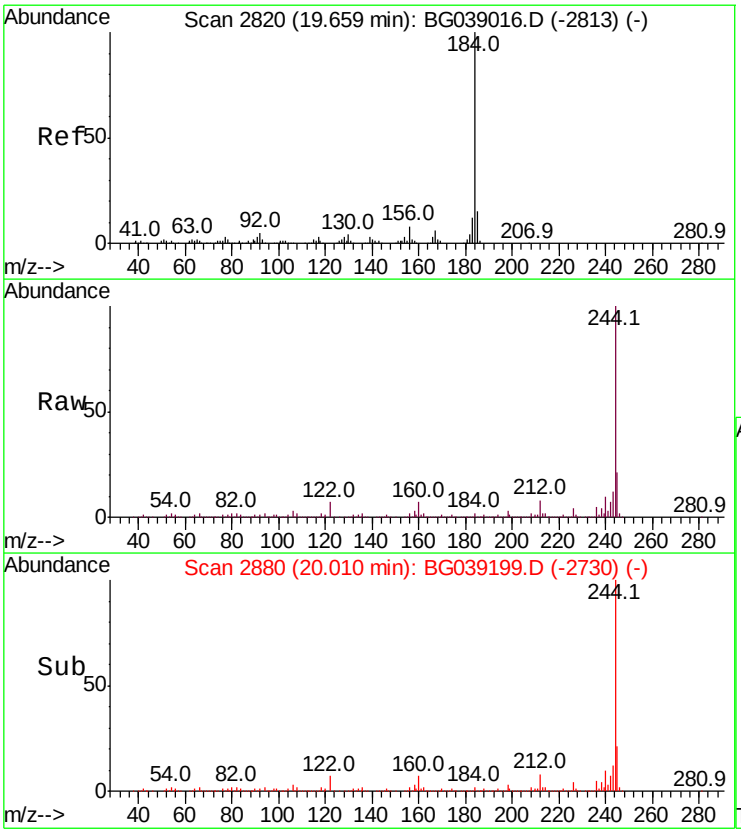

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.02 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:240 Resp: 201110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.5 | 4.3 | 6.5 |
| 236 | 26.1 | 20.1 | 30.1 |

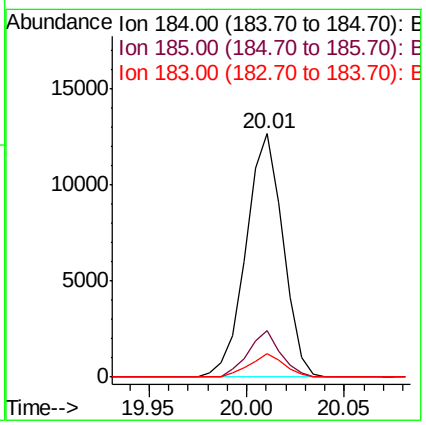


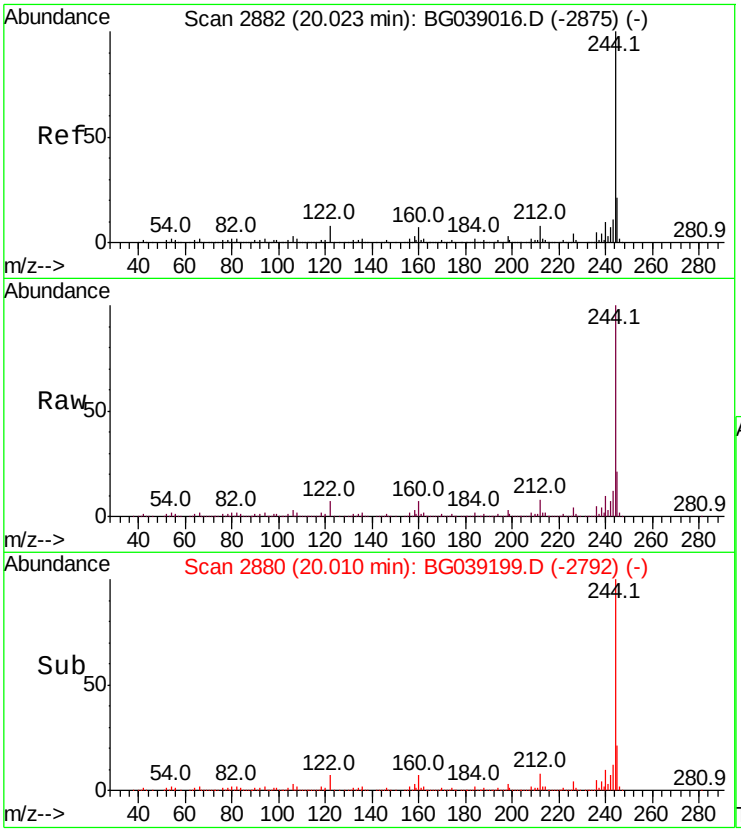




#77
Benzidine
Concen: 2.697 ng
RT: 20.01 min Scan# 2880
Delta R.T. 0.35 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:184 Resp: 16587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 19.2 | 12.1 | 18.1# |
| 183 | 9.5 | 9.5 | 14.3# |



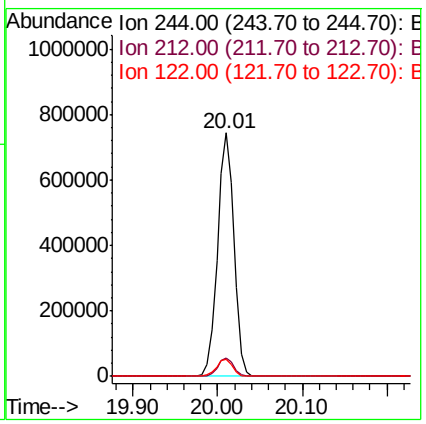


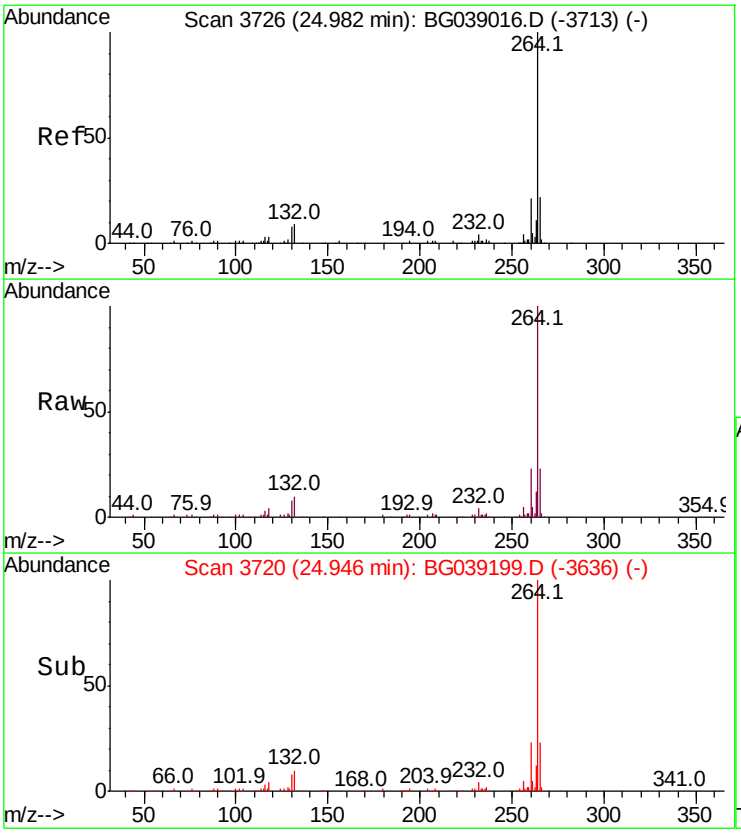

#79
Terphenyl-d14
Concen: 92.821 ng
RT: 20.01 min Scan# 2880
Delta R.T. -0.01 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

**Instrument :**
BNA_G
**ClientSampleId :**
RBR200044-RBR200027

Tgt Ion:244 Resp: 1009097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.1 | 9.1 |
| 122 | 7.1 | 6.1 | 9.1 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3720
Delta R.T. -0.04 min
Lab File: BG039199.D
Acq: 18 Jan 2019 1:11

Tgt Ion:264 Resp: 213681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 17.0 | 25.6 |
| 265 | 22.7 | 17.2 | 25.8 |