Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034051.D
Acq On : 27 Apr 2018 22:41
Operator : SJ/JU
Sample : J2564-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Apr 28 00:35:20 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 32526 | 20.00 | ng | -0.08 |
| 21) Naphthalene-d8 | 10.54 | 136 | 212793 | 20.00 | ng | -0.09 |
| 38) Acenaphthene-d10 | 14.39 | 164 | 168751 | 20.00 | ng | -0.08 |
| 63) Phenanthrene-d10 | 17.15 | 188 | 475226 | 20.00 | ng | -0.08 |
| 75) Chrysene-d12 | 21.40 | 240 | 531947 | 20.00 | ng | -0.10 |
| 86) Perylene-d12 | 24.39 | 264 | 494003 | 20.00 | ng | -0.17 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 408316 | 200.42 | ng | -0.08 |
| 7) Phenol-d6 | 6.94 | 99 | 462804 | 155.75 | ng | -0.06 |
| 23) Nitrobenzene-d5 | 8.91 | 82 | 338347 | 90.49 | ng | -0.08 |
| 41) 2,4,6-Tribromophenol | 15.89 | 330 | 355851 | 180.75 | ng | -0.08 |
| 44) 2-Fluorobiphenyl | 13.01 | 172 | 1140084 | 99.25 | ng | -0.09 |
| 78) Terphenyl-d14 | 19.78 | 244 | 2507295 | 105.89 | ng | -0.08 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.97 | 77 | 556 | Below Cal | # | 5 |
| 15) Benzyl Alcohol | 8.06 | 79 | 6027 | 2.326 | ng | # 49 |
| 17) 2-Methylphenol | 8.58 | 107 | 38434 | 17.038 | ng | # 72 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 39035 | 15.411 | ng | # 73 |
| 20) 3+4-Methylphenols | 8.58 | 107 | 40620 | 12.392 | ng | 93 |
| 32) Benzoic acid | 10.00 | 122 | 55 | 5.100 | ng | # 1 |
| 50) 2,6-Dinitrotoluene | 14.39 | 165 | 21517 | 7.649 | ng | # 21 |
| 56) 2,4-Dinitrotoluene | 14.39 | 165 | 21517 | 5.752 | ng | # 19 |
| 64) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 1117 | 6.911 | ng | # 75 |
| 76) Benzidine | 19.78 | 184 | 35296 | 2.457 | ng | # 93 |

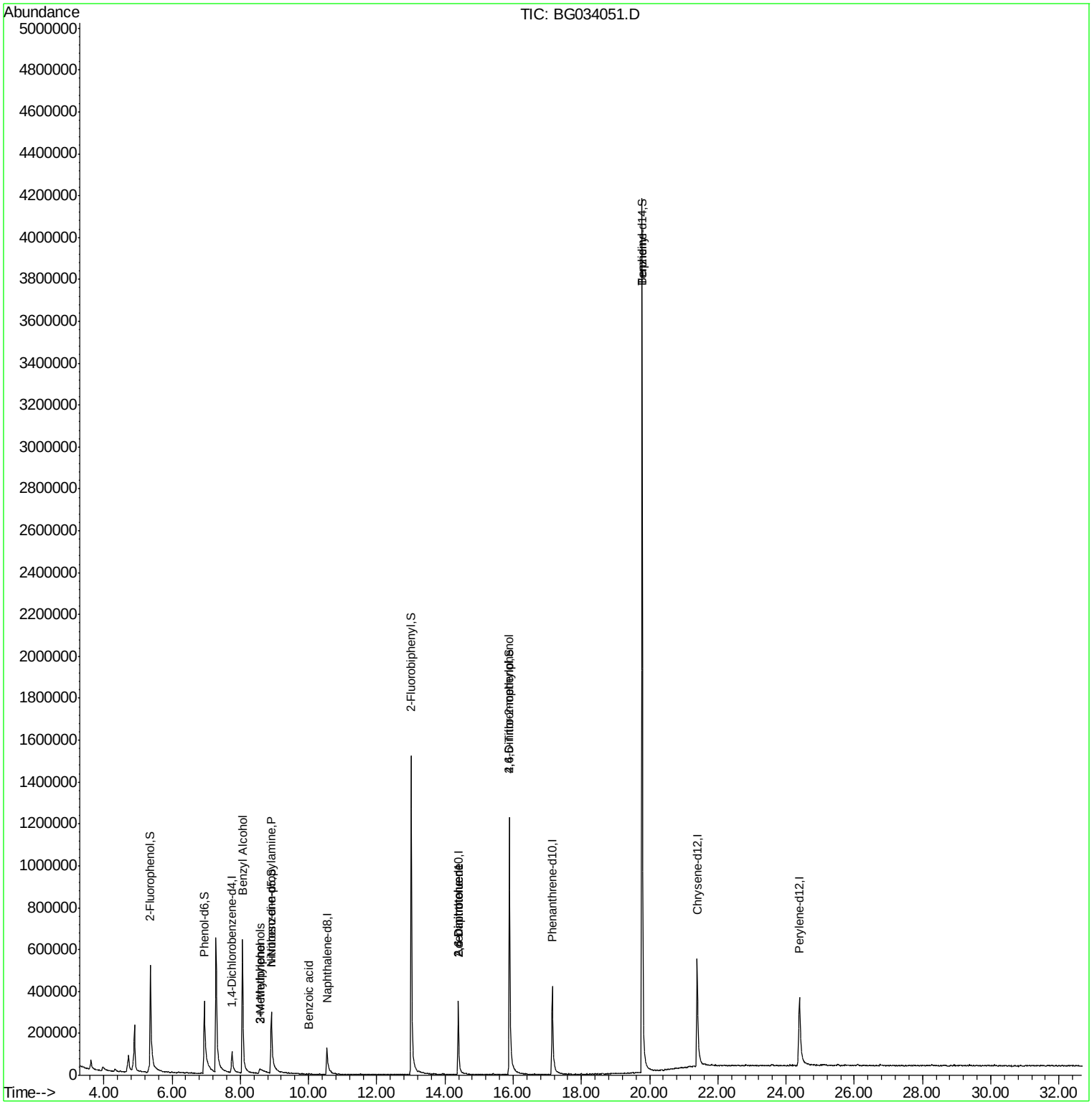
(#) = qualifier out of range (m) = manual integration (+) = signals summed

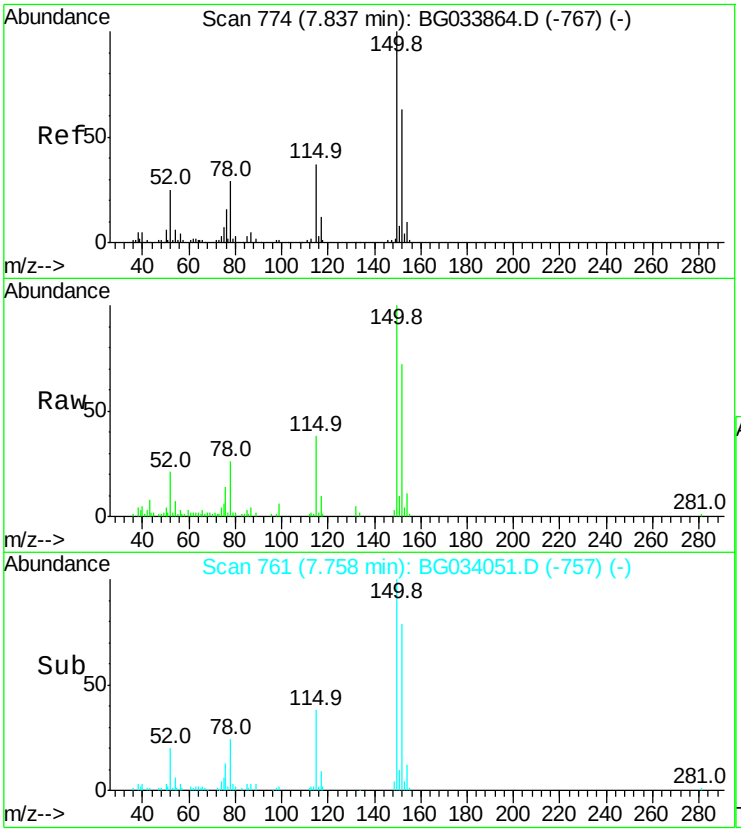
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034051.D
Acq On : 27 Apr 2018 22:41
Operator : SJ/JU
Sample : J2564-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Apr 28 00:35:20 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration



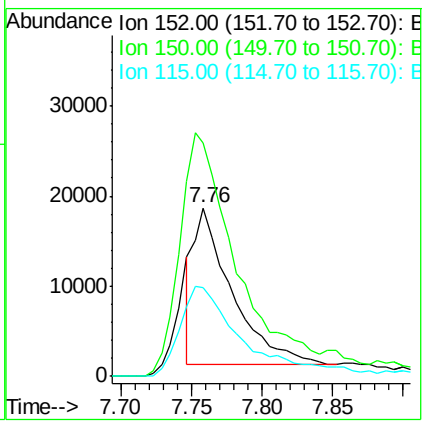


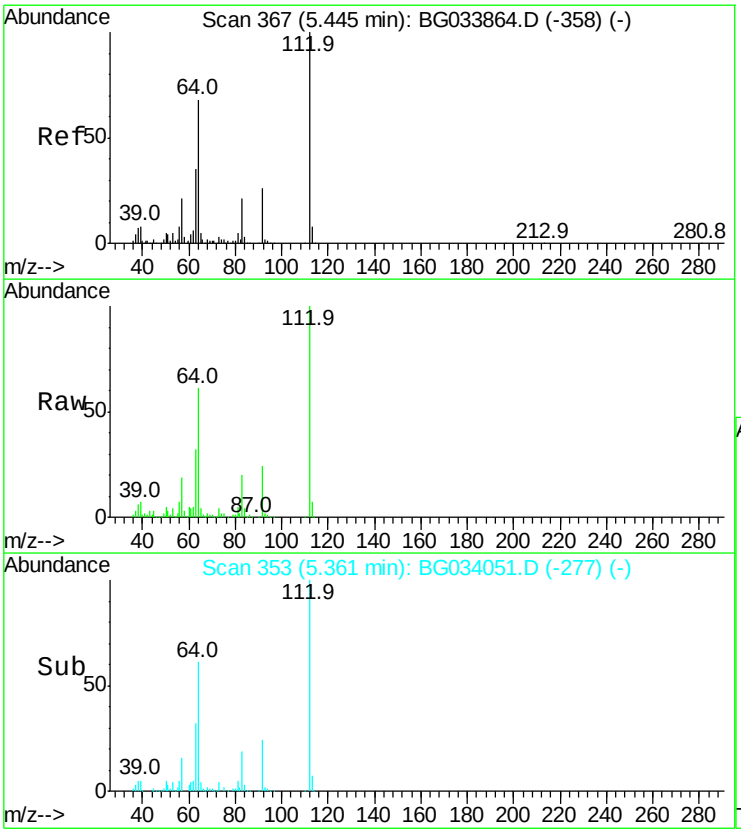

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:152 Resp: 32526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 138.6 | 126.6 | 189.8 |
| 115 | 52.6 | 53.0 | 79.4# |

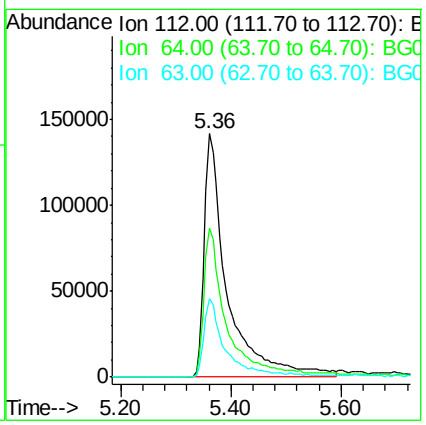


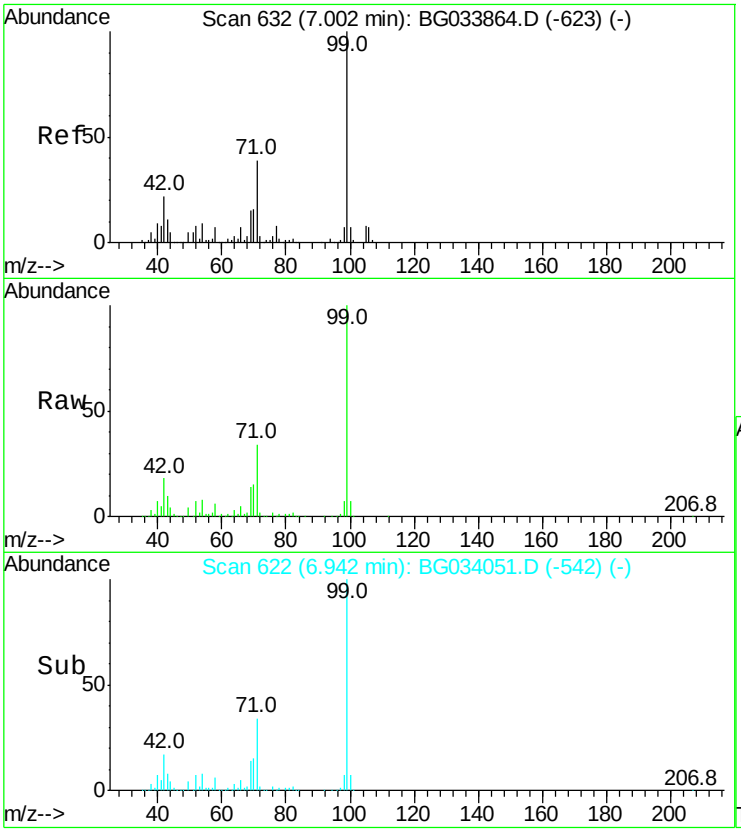




#5
2-Fluorophenol
Concen: 200.421 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:112 Resp: 408316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.2 | 56.3 | 84.5 |
| 63 | 32.3 | 30.1 | 45.1 |



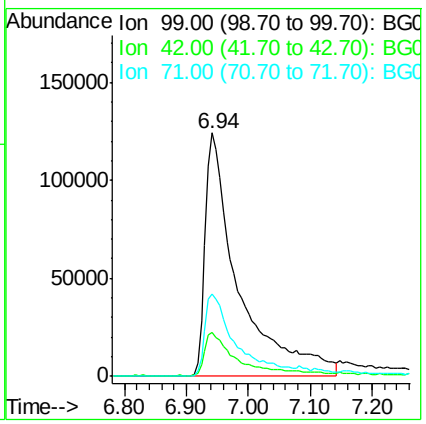


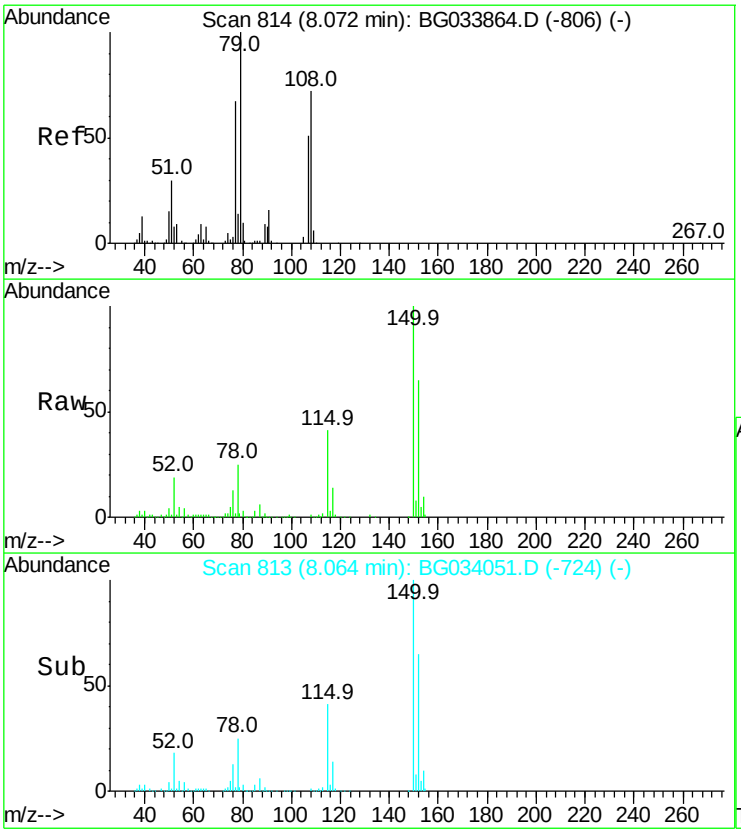

#7
Phenol-d6
Concen: 155.747 ng
RT: 6.94 min Scan# 622
Delta R.T. -0.06 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion: 99 Resp: 462804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.1 | 21.1 |
| 71 | 33.8 | 26.1 | 39.1 |

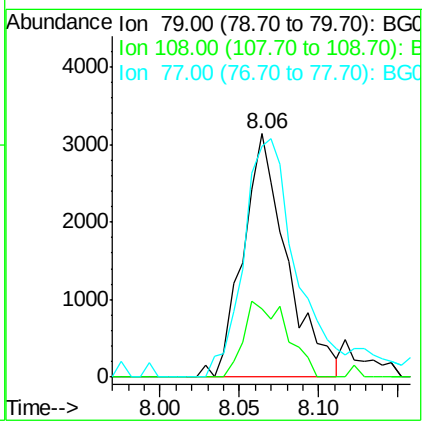


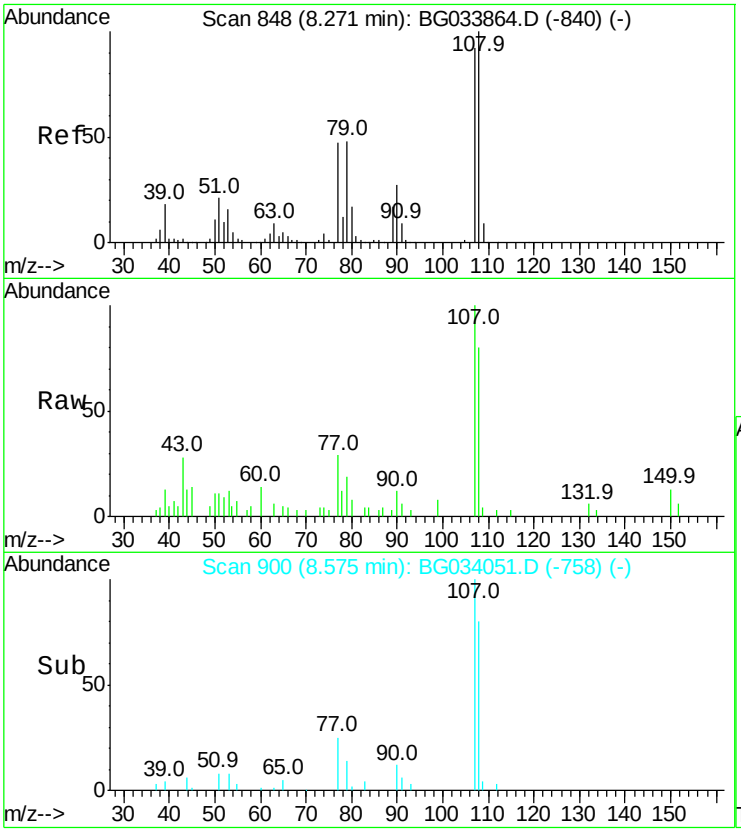




#15
Benzyl Alcohol
Concen: 2.326 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion: 79 Resp: 6027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 28.0 | 57.2 | 85.8# |
| 77 | 94.9 | 46.1 | 69.1# |



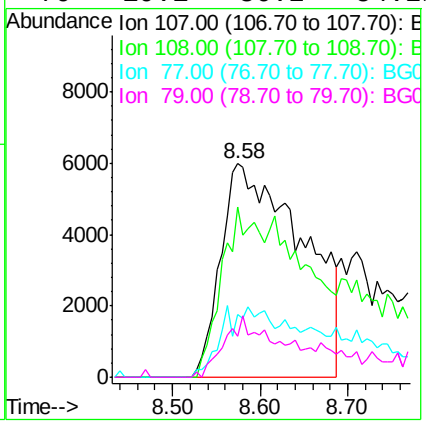


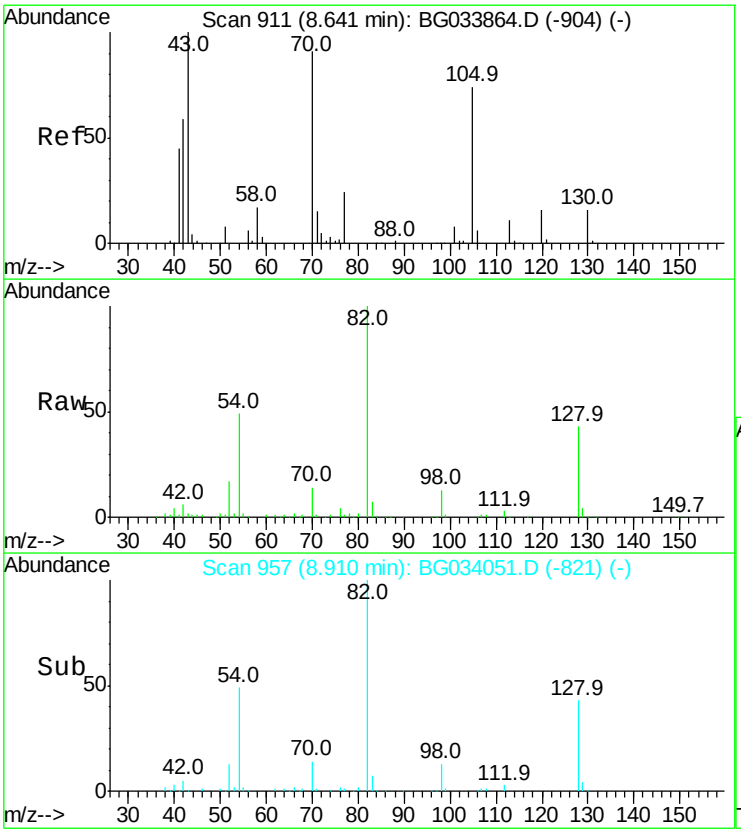

#17
2-Methylphenol
Concen: 17.038 ng
RT: 8.58 min Scan# 900
Delta R.T. 0.30 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:107 Resp: 38434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 79.9 | 83.9 | 125.9# |
| 77 | 29.3 | 37.2 | 55.8# |
| 79 | 19.1 | 36.2 | 54.2# |

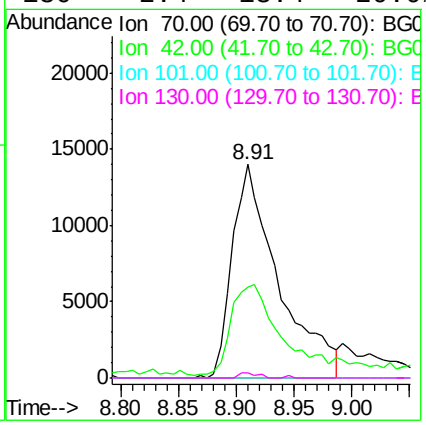


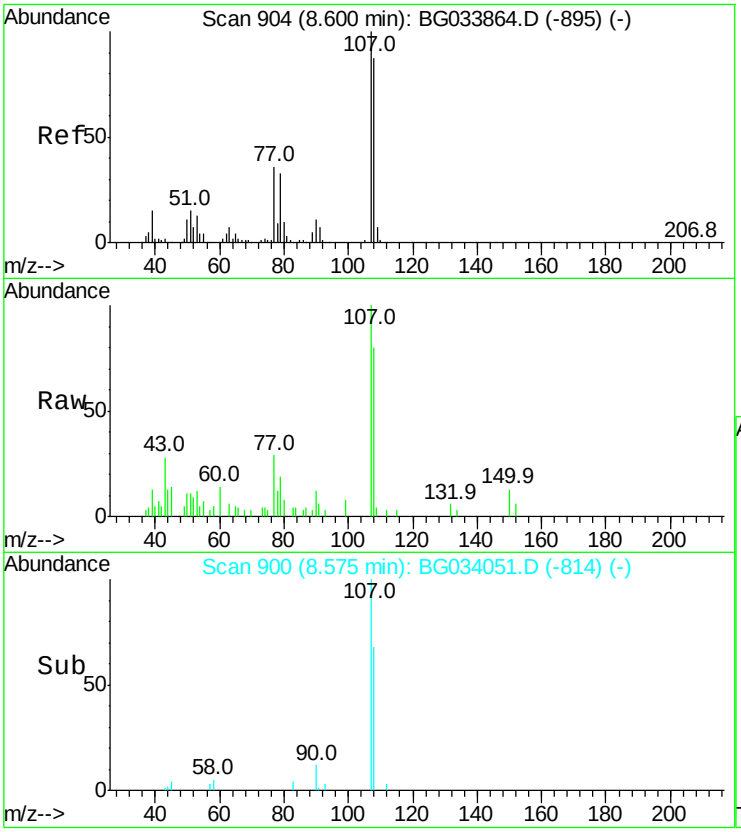




#19
n-Nitroso-di-n-propylamine
Concen: 15.411 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion: 70 Resp: 39035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.4 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 2.4 | 13.4 | 20.0# |



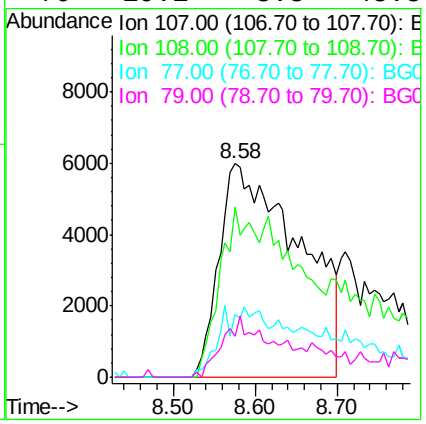


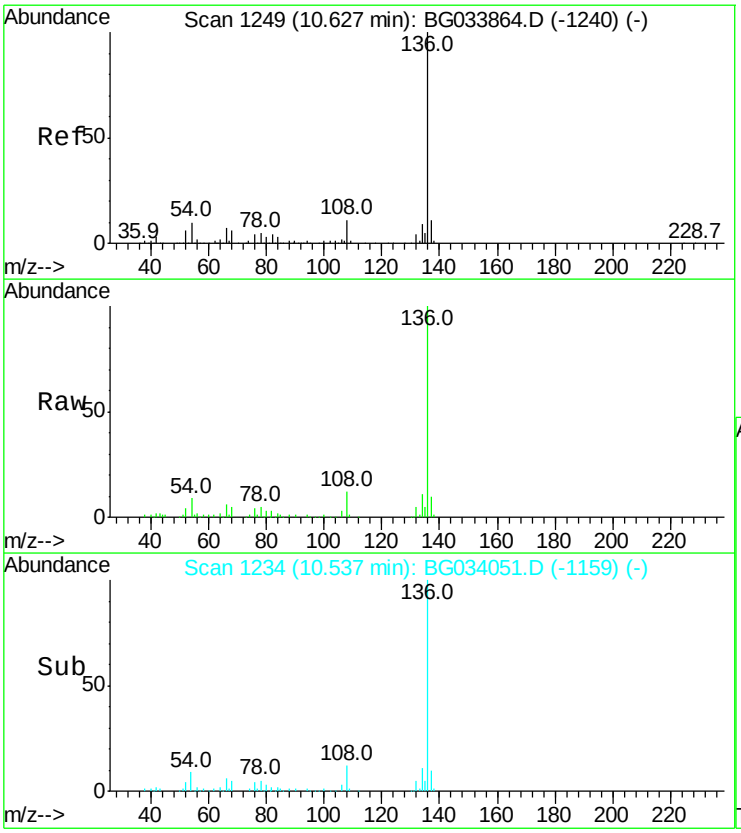

#20
3+4-Methylphenols
Concen: 12.392 ng
RT: 8.58 min Scan# 900
Delta R.T. -0.03 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:107 Resp: 40620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 79.9 | 61.6 | 101.6 |
| 77 | 29.3 | 13.9 | 53.9 |
| 79 | 19.1 | 8.8 | 48.8 |

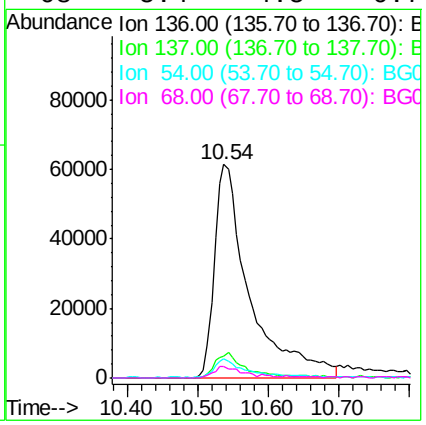


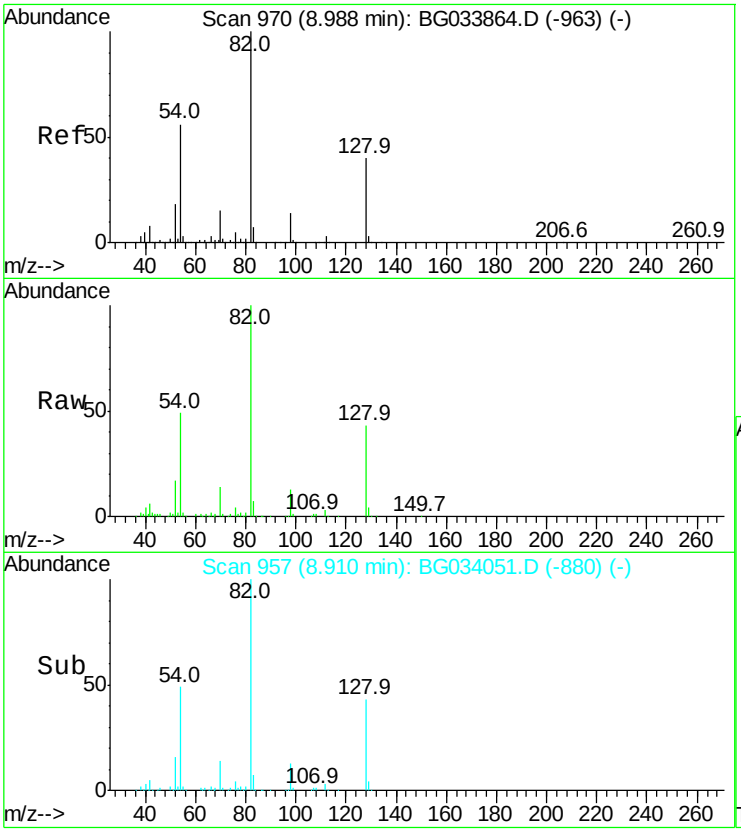




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:136 Resp: 212793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.2 | 13.8 |
| 54 | 8.9 | 10.3 | 15.5# |
| 68 | 5.4 | 4.5 | 6.7 |



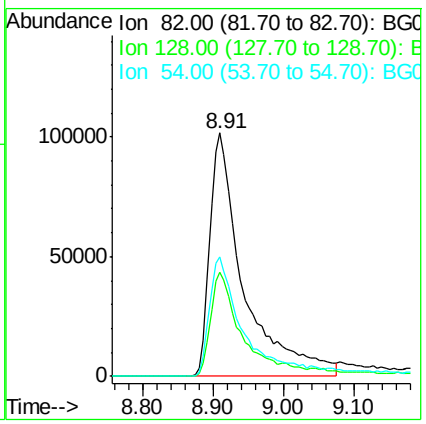


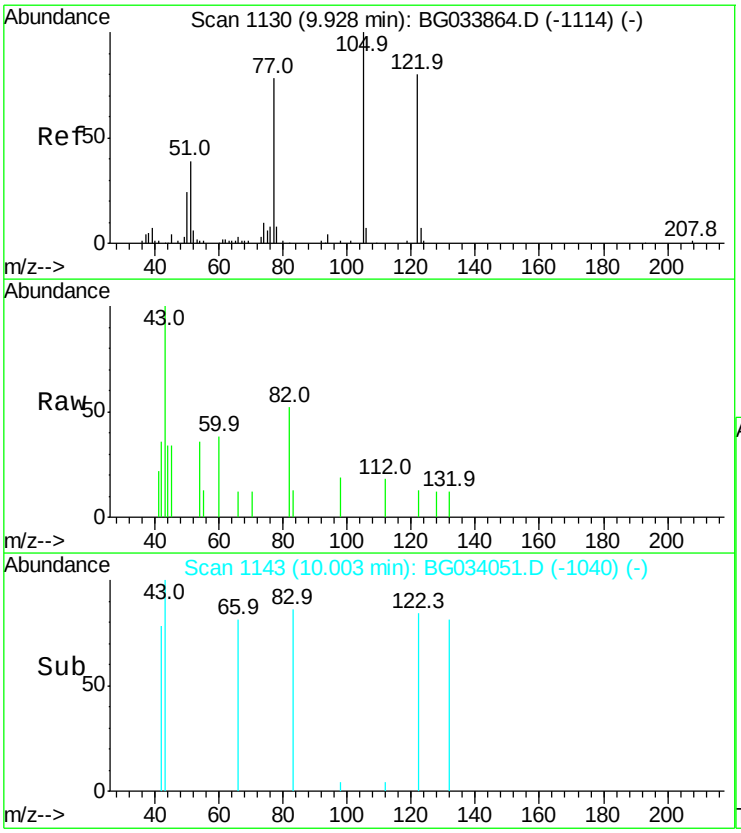

#23
Nitrobenzene-d5
Concen: 90.488 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion: 82 Resp: 338347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.7 | 29.7 | 44.5 |
| 54 | 49.3 | 43.1 | 64.7 |

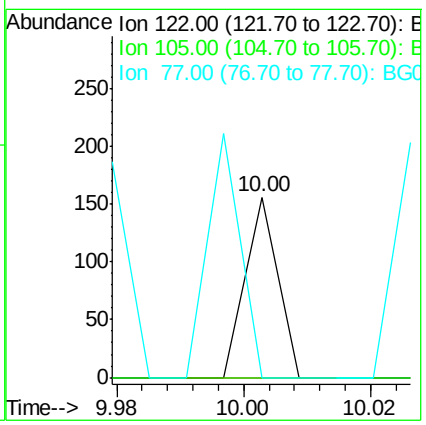


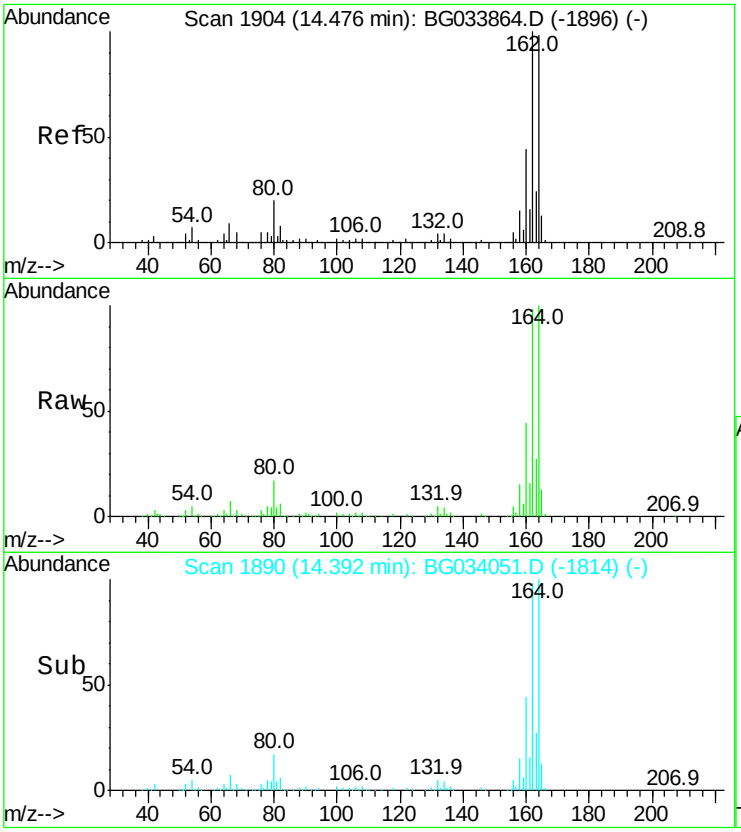




#32
Benzoic acid
Concen: 5.100 ng
RT: 10.00 min Scan# 1143
Delta R.T. 0.07 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:122 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 123.5 | 163.5# |
| 77 | 0.0 | 85.7 | 125.7# |



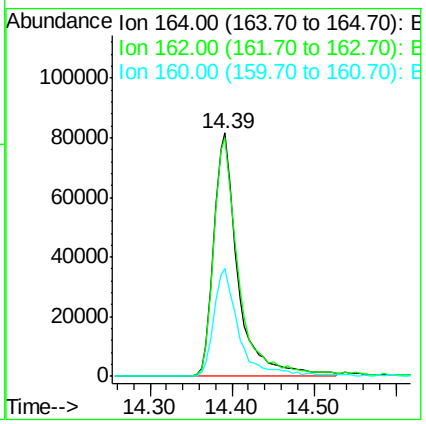


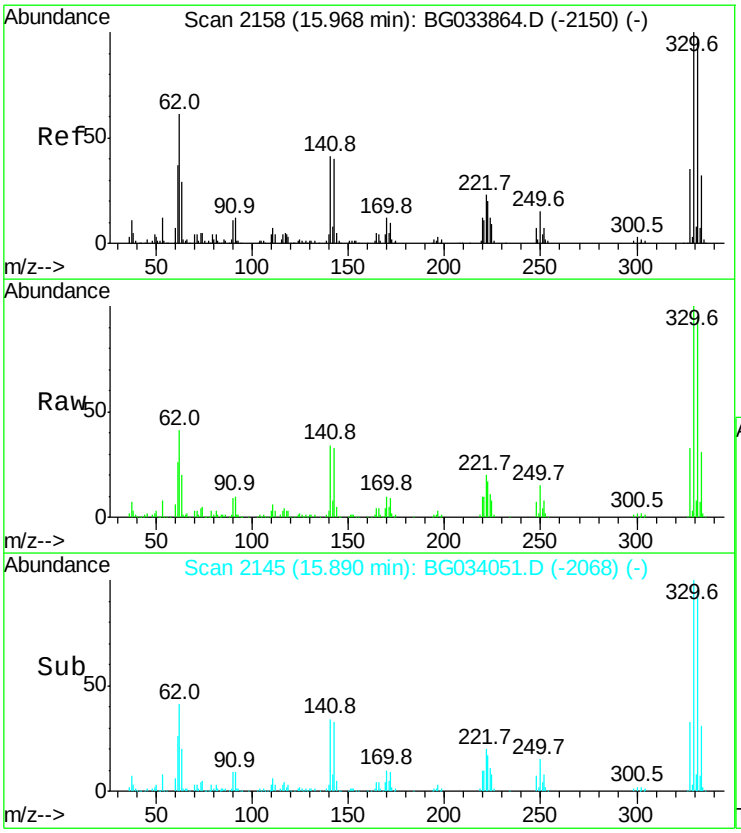

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:164 Resp: 168751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.9 | 78.8 | 118.2 |
| 160 | 44.2 | 35.4 | 53.0 |

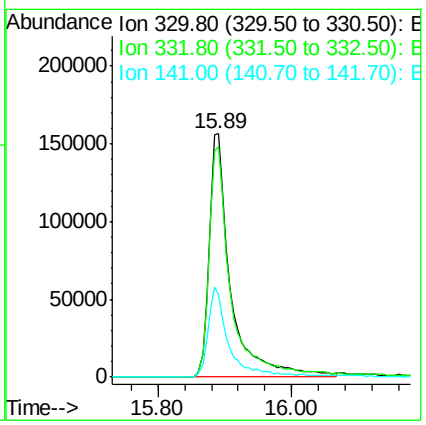


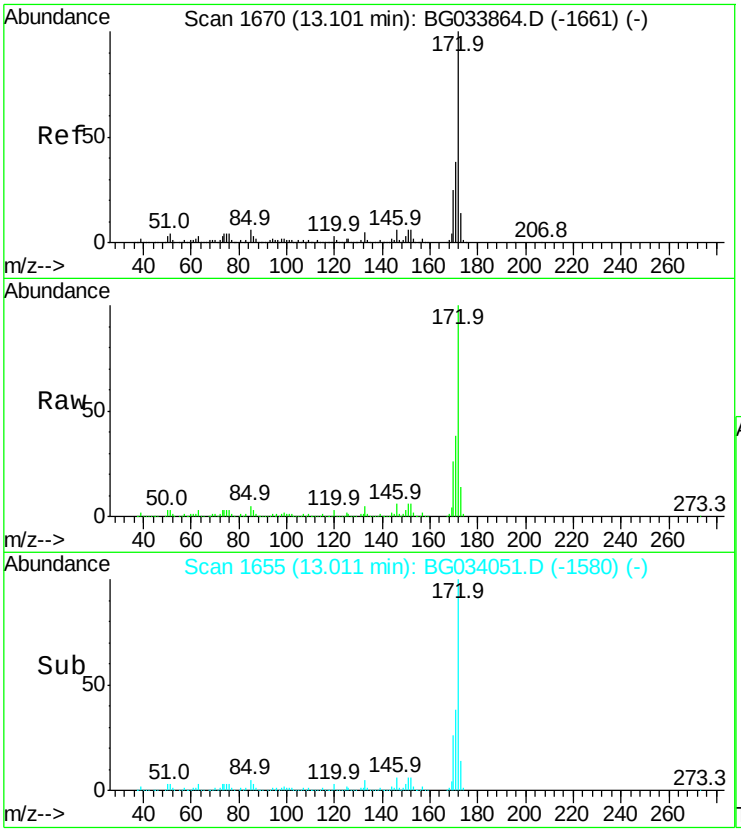




#41
2,4,6-Tribromophenol
Concen: 180.750 ng
RT: 15.89 min Scan# 2145
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:330 Resp: 355851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.8 | 77.0 | 115.6 |
| 141 | 35.4 | 25.2 | 37.8 |



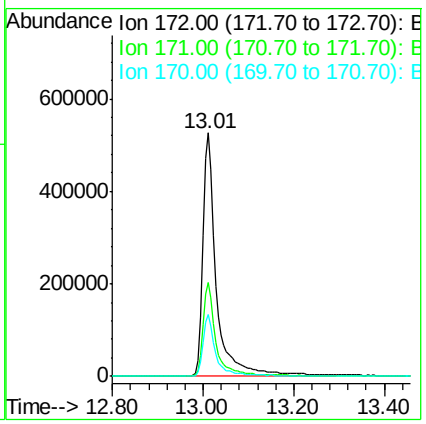


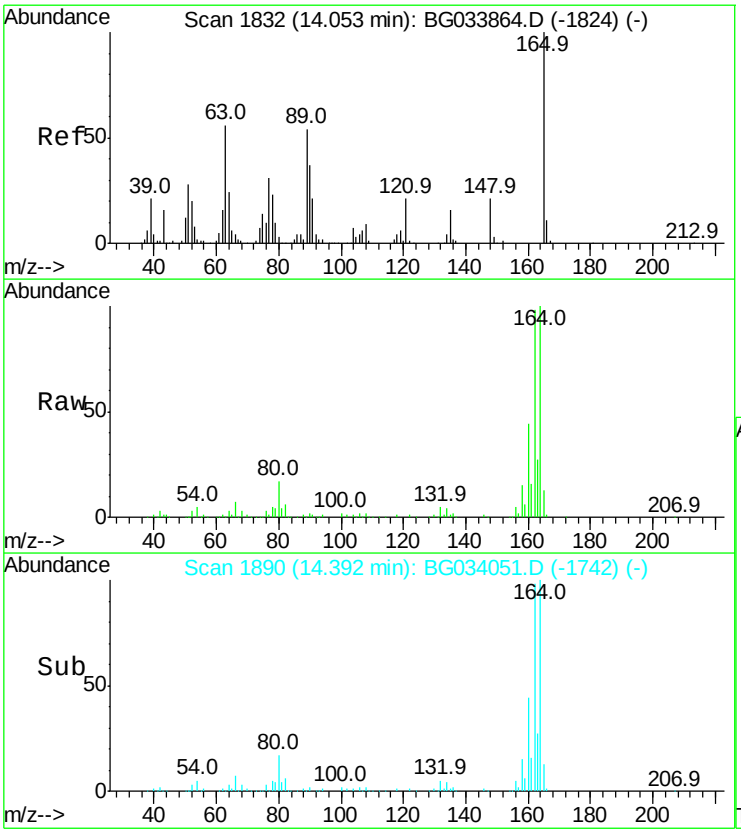

#44
2-Fluorobiphenyl
Concen: 99.247 ng
RT: 13.01 min Scan# 1655
Delta R.T. -0.09 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:172 Resp: 1140084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.3 | 30.0 | 45.0 |
| 170 | 25.6 | 19.5 | 29.3 |

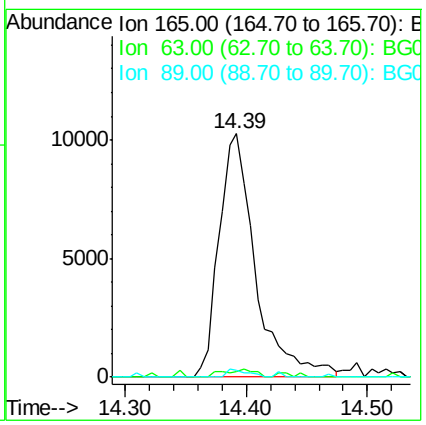


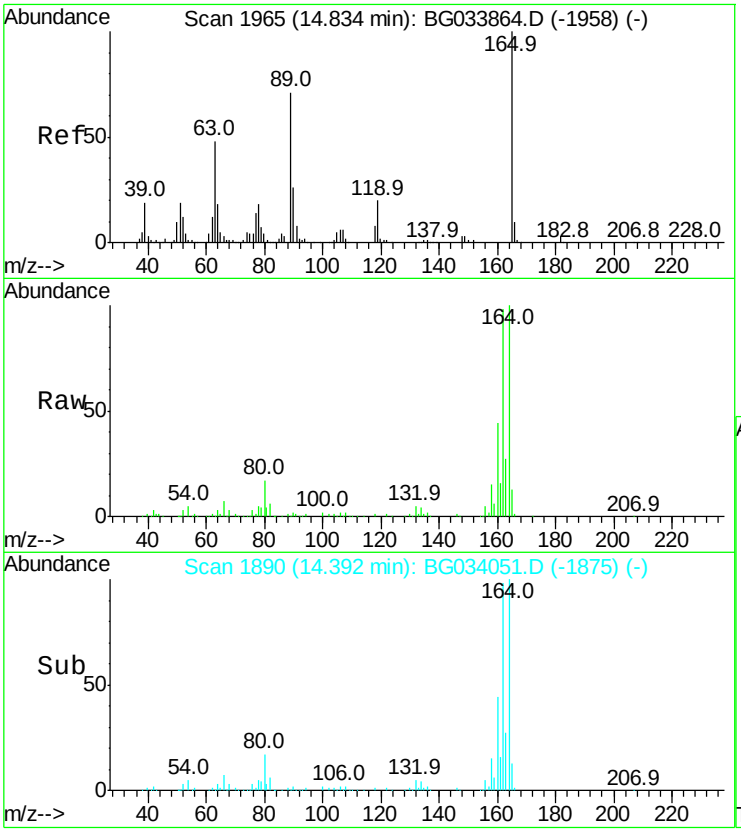




#50
2,6-Dinitrotoluene
Concen: 7.649 ng
RT: 14.39 min Scan# 1890
Delta R.T. 0.34 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:165 Resp: 21517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.1 | 52.7 | 79.1# |
| 89 | 2.8 | 49.2 | 73.8# |



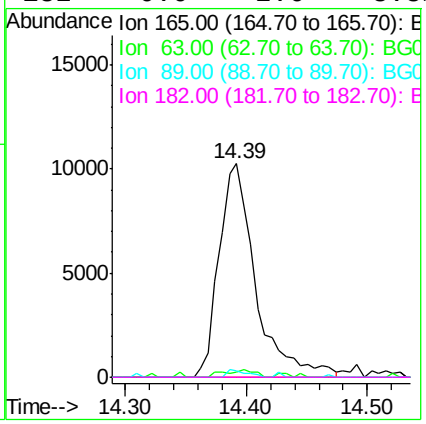


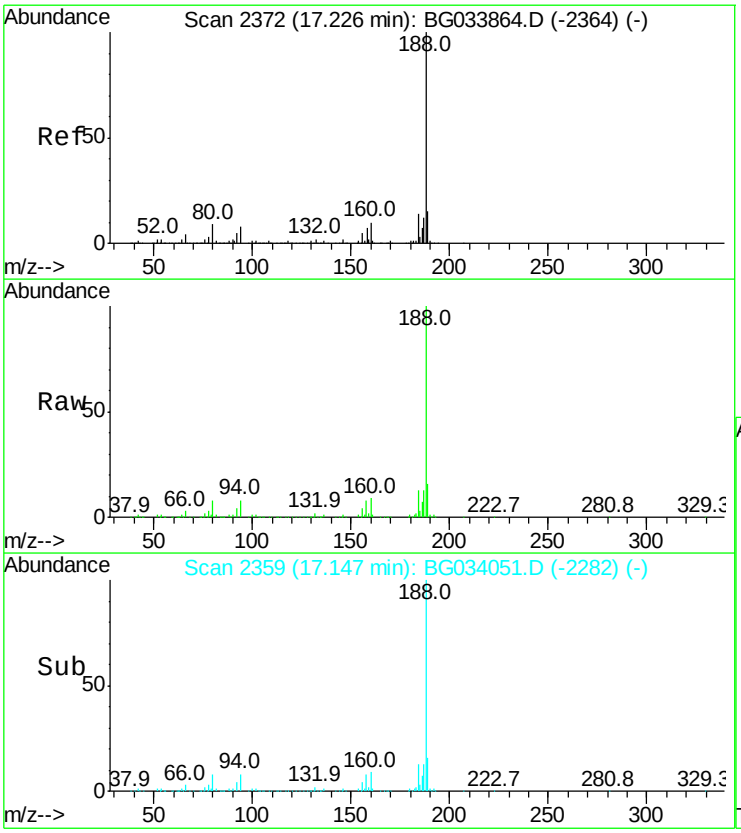

#56
2,4-Dinitrotoluene
Concen: 5.752 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.44 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:165 Resp: 21517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.1 | 42.0 | 63.0# |
| 89 | 2.8 | 66.9 | 100.3# |
| 182 | 0.0 | 2.6 | 3.8# |

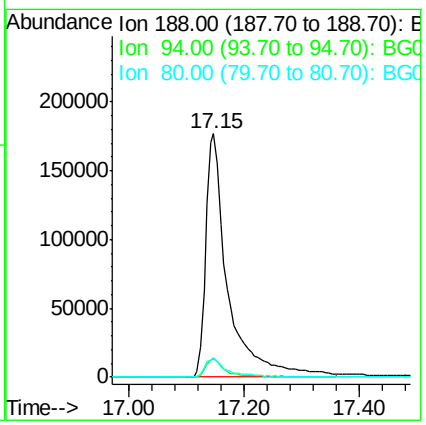


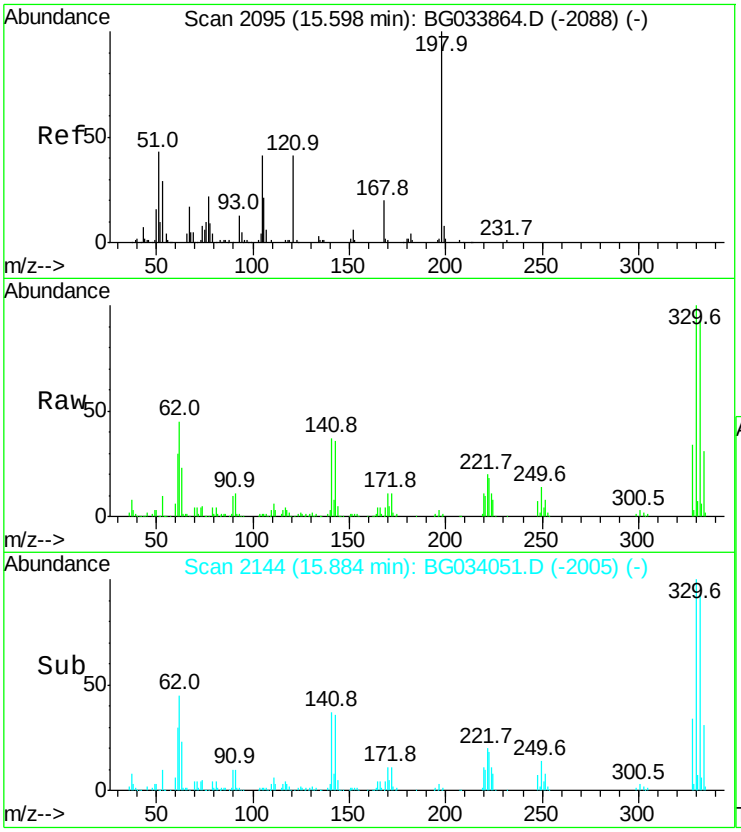




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.15 min Scan# 2359
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:188 Resp: 475226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.9 | 10.3 |
| 80 | 8.3 | 7.7 | 11.5 |



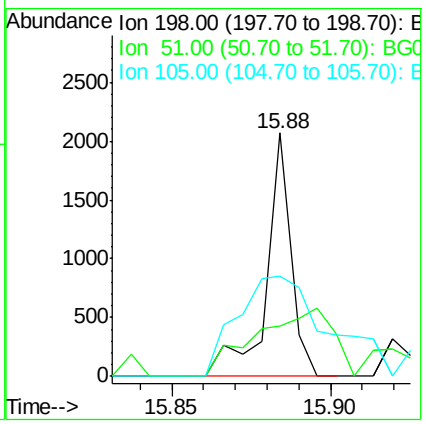


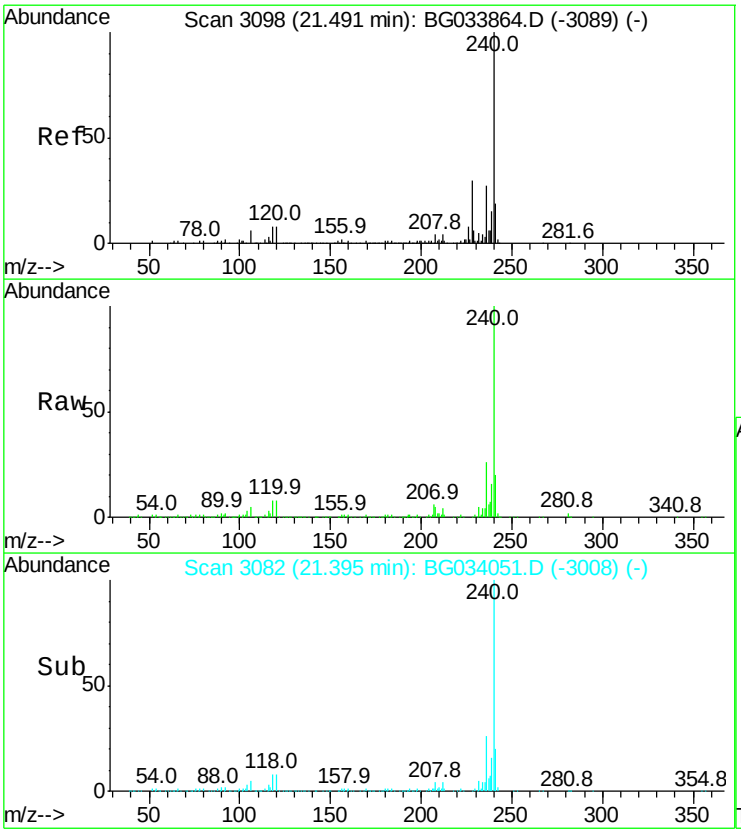

#64
4,6-Dinitro-2-methylphenol
Concen: 6.911 ng
RT: 15.88 min Scan# 2144
Delta R.T. 0.29 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:198 Resp: 1117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 20.5 | 30.6 | 70.6# |
| 105 | 41.1 | 23.8 | 63.8 |

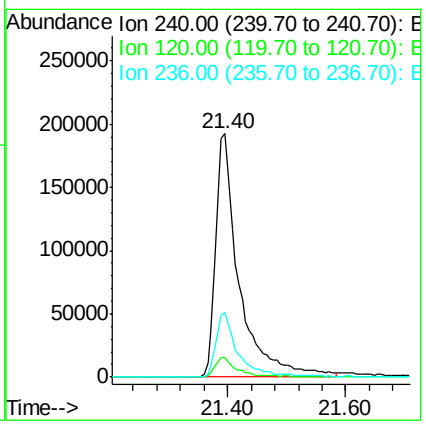


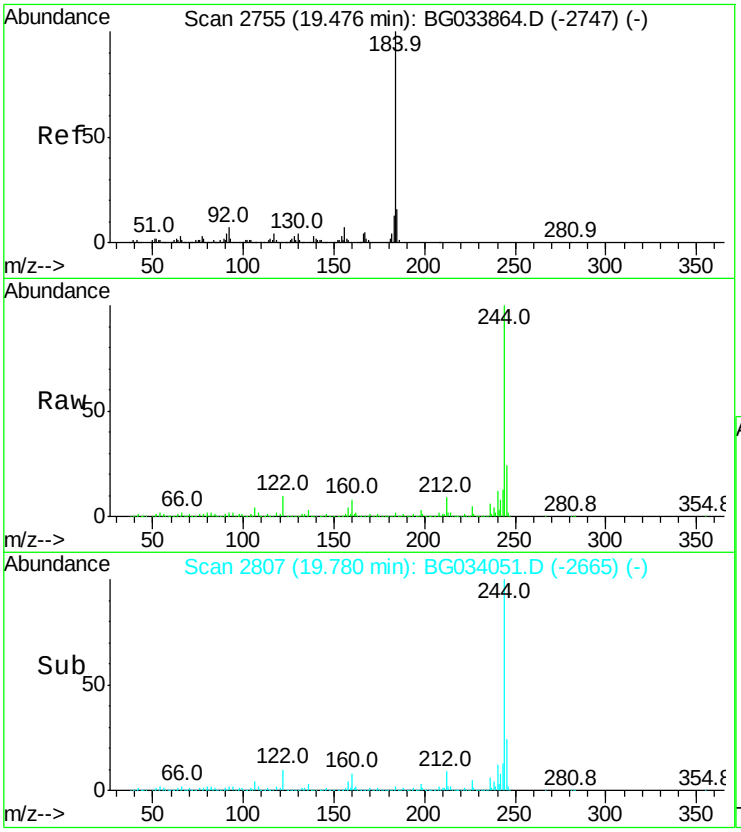




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.40 min Scan# 3082
Delta R.T. -0.10 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:240 Resp: 531947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 6.8 | 10.2 |
| 236 | 26.2 | 20.9 | 31.3 |



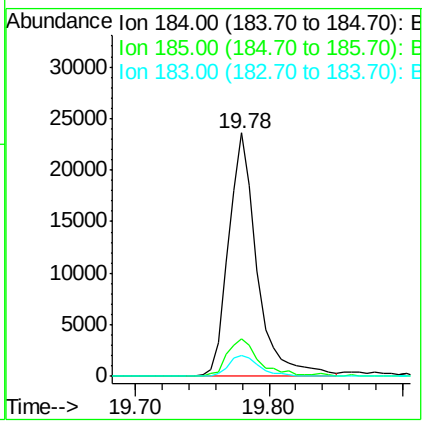


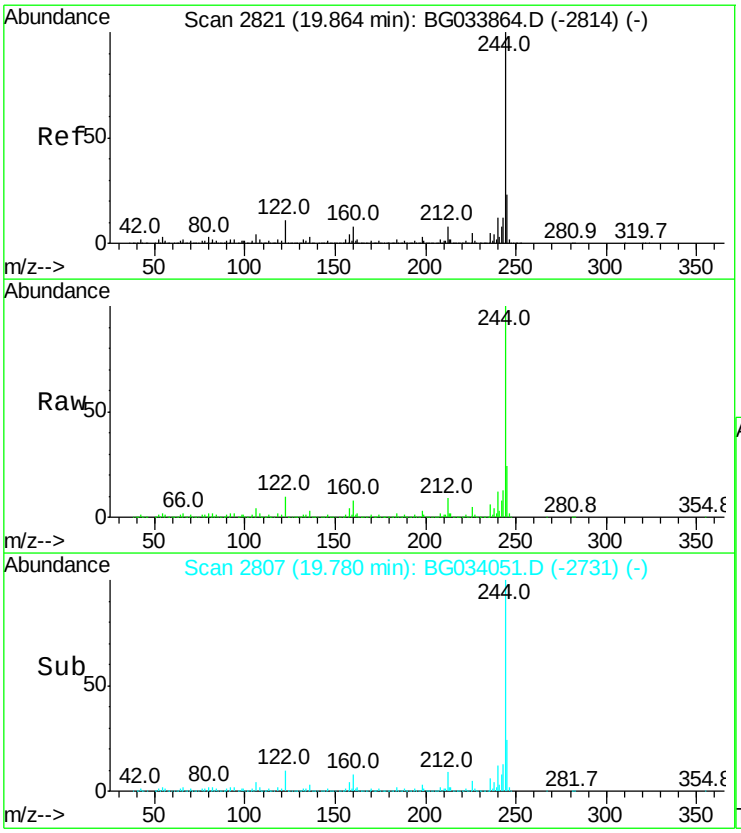

#76
Benzidine
Concen: 2.457 ng
RT: 19.78 min Scan# 2807
Delta R.T. 0.30 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:184 Resp: 35296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 11.1 | 16.7 |
| 183 | 8.8 | 10.6 | 16.0# |

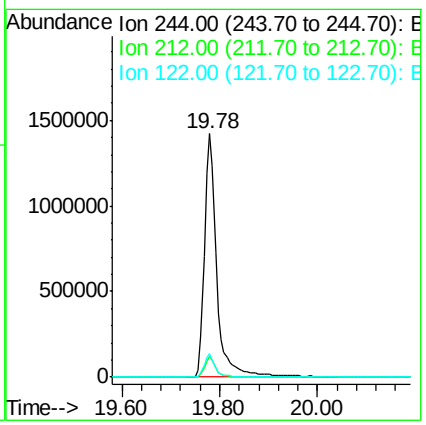


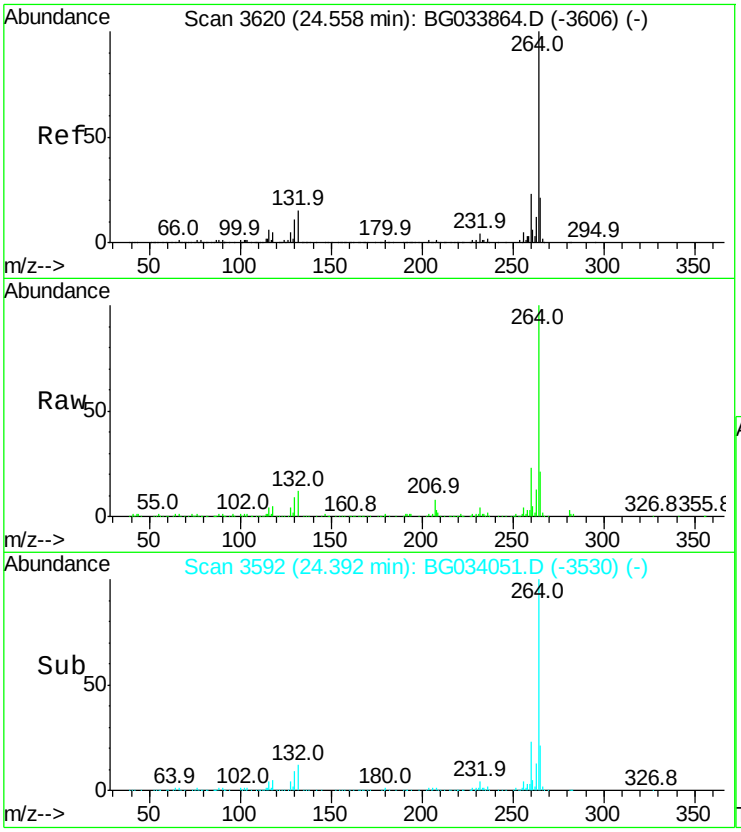




#78
Terphenyl-d14
Concen: 105.893 ng
RT: 19.78 min Scan# 2807
Delta R.T. -0.08 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

Tgt Ion:244 Resp: 2507295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 5.8 | 8.8 |
| 122 | 9.6 | 7.0 | 10.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3592
Delta R.T. -0.17 min
Lab File: BG034051.D
Acq: 27 Apr 2018 22:41

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

Tgt Ion:264 Resp: 494003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 17.4 | 26.0 |
| 265 | 21.2 | 17.7 | 26.5 |