Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
Data File : BG041516.D
Acq On : 28 Jun 2019 17:04
Operator : HP/JU
Sample : K3157-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CL-02-062619-B

Quant Time: Jun 29 01:50:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:25:55 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 17577 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 64821 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 51863 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 164733 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 182655 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.98 | 264 | 192679 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 132264 | 134.16 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 169744 | 122.30 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 142755 | 91.85 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 137220 | 154.96 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 361184 | 89.37 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 984154 | 114.50 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Benzyl Alcohol | 8.35 | 79 | 2531 | 2.290 | ng | # 45 |
| 19) n-Nitroso-di-n-propylamine | 9.21 | 70 | 20894 | 20.183 | ng | # 75 |
| 51) 2,6-Dinitrotoluene | 14.67 | 165 | 6288 | 6.278 | ng | # 15 |
| 57) 2,4-Dinitrotoluene | 14.67 | 165 | 6288 | 4.328 | ng | # 20 |
| 67) 4-Bromophenyl-phenylether | 16.17 | 248 | 9879 | 4.388 | ng | # 1 |
| 77) Benzidine | 20.02 | 184 | 16968 | 4.187 | ng | 97 |

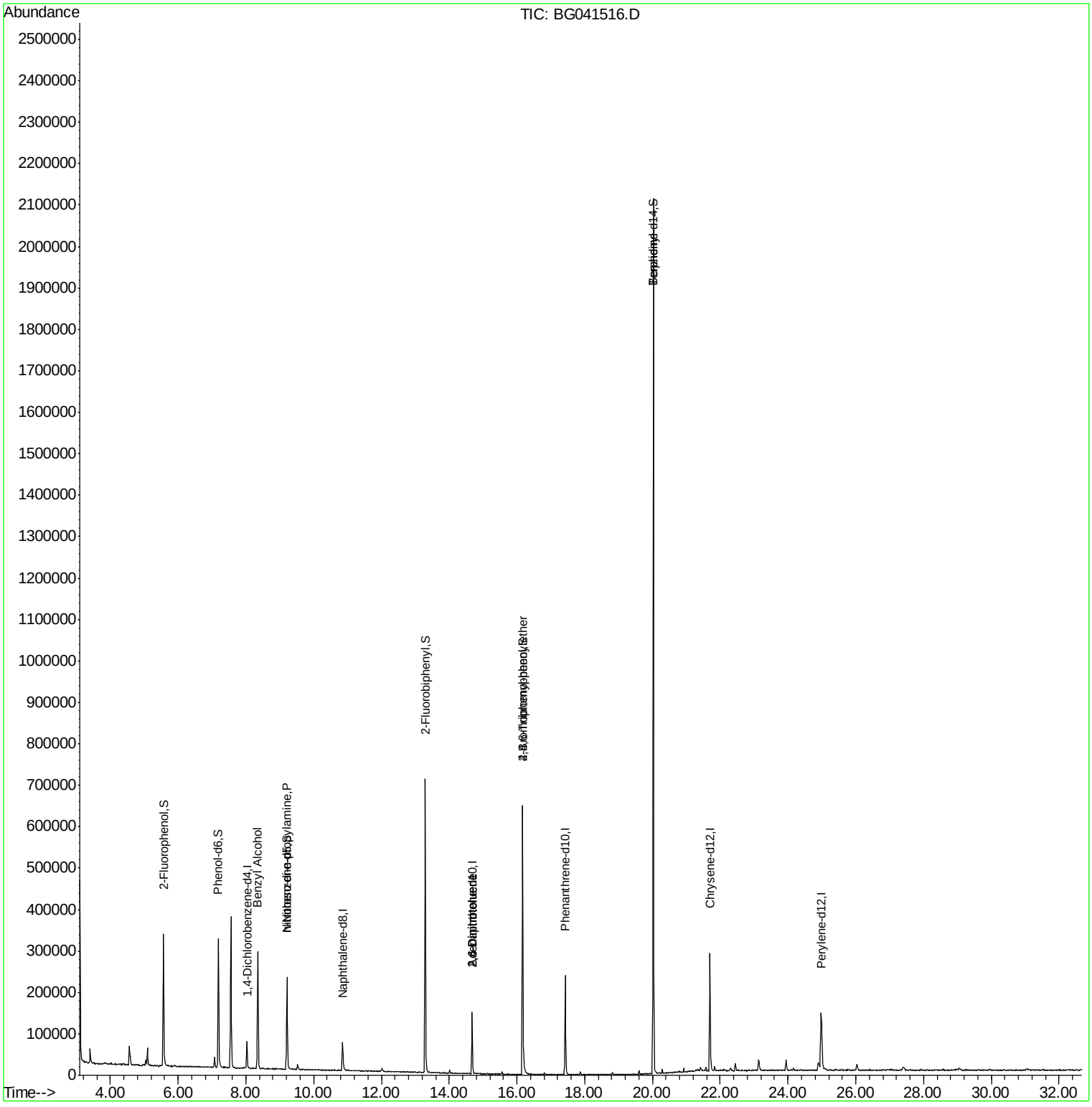
(#) = qualifier out of range (m) = manual integration (+) = signals summed

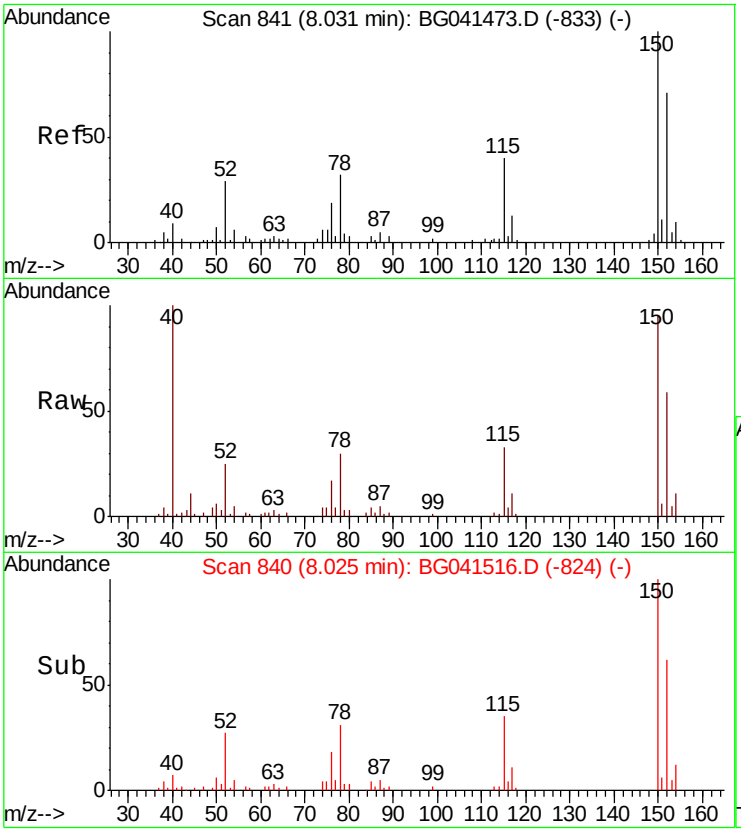
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
Data File : BG041516.D
Acq On : 28 Jun 2019 17:04
Operator : HP/JU
Sample : K3157-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Quant Time: Jun 29 01:50:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:25:55 2019
Response via : Initial Calibration



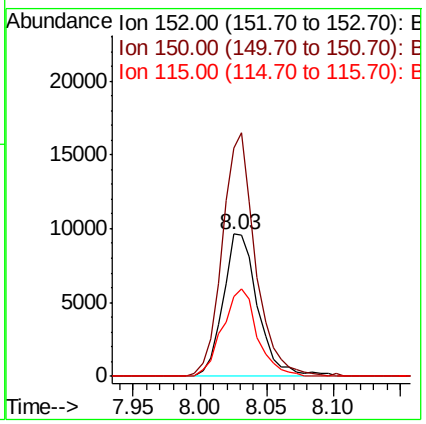


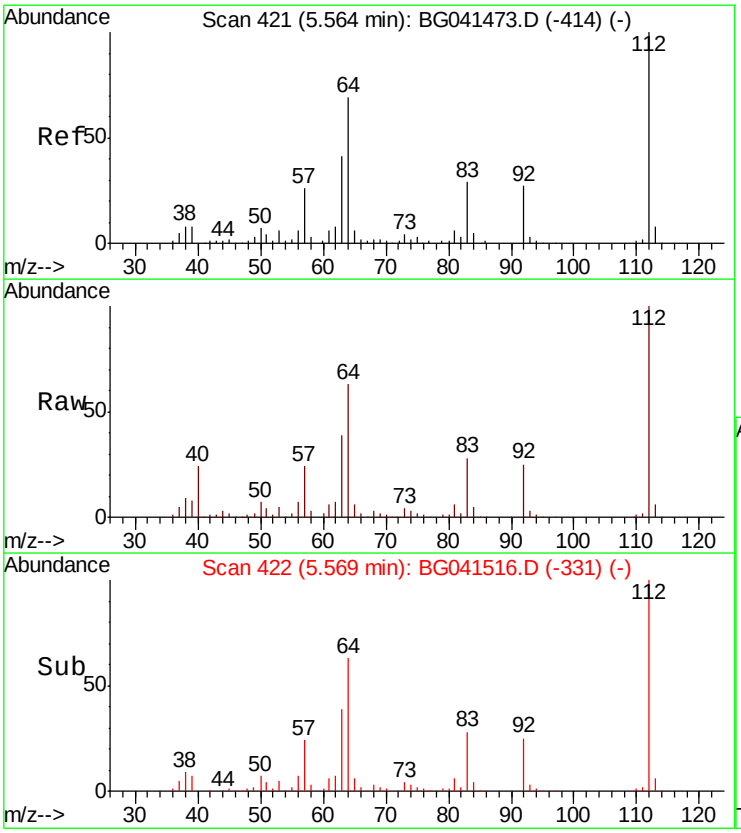

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:152 Resp: 17577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.3 | 112.4 | 168.6 |
| 115 | 55.8 | 44.6 | 66.8 |

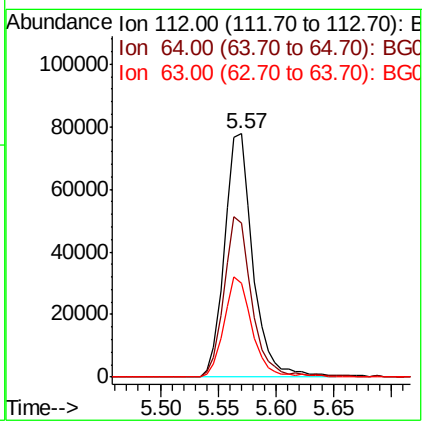


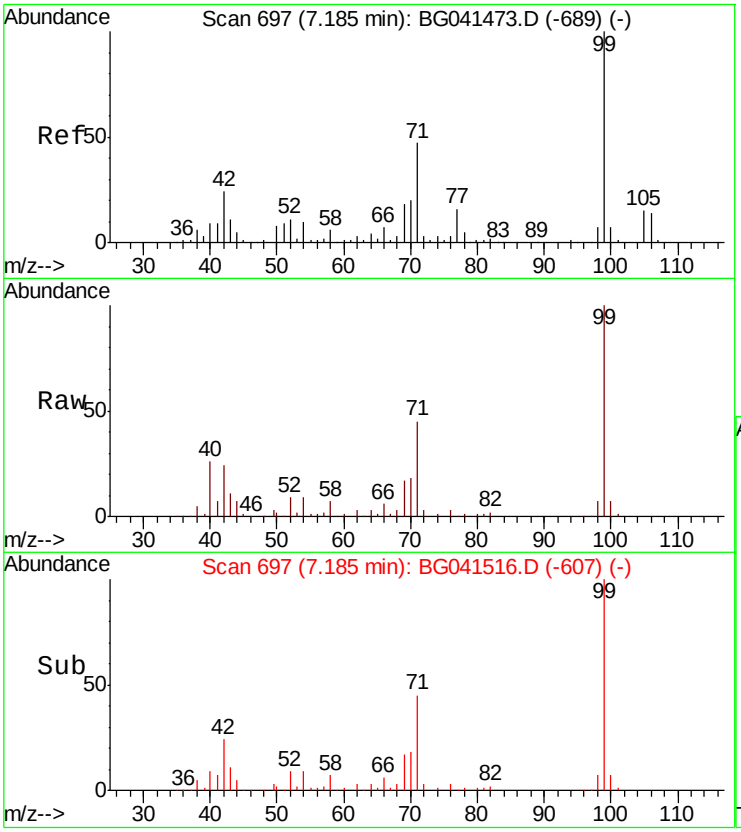




#5
2-Fluorophenol
Concen: 134.157 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:112 Resp: 132264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.0 | 55.1 | 82.7 |
| 63 | 38.7 | 32.4 | 48.6 |



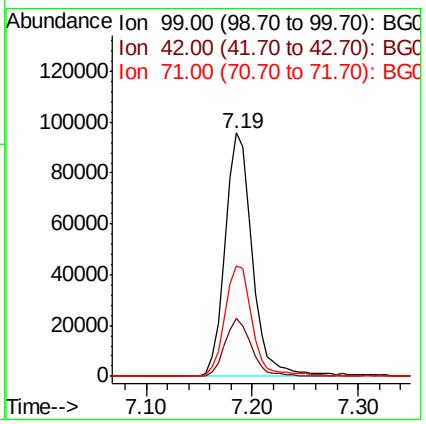


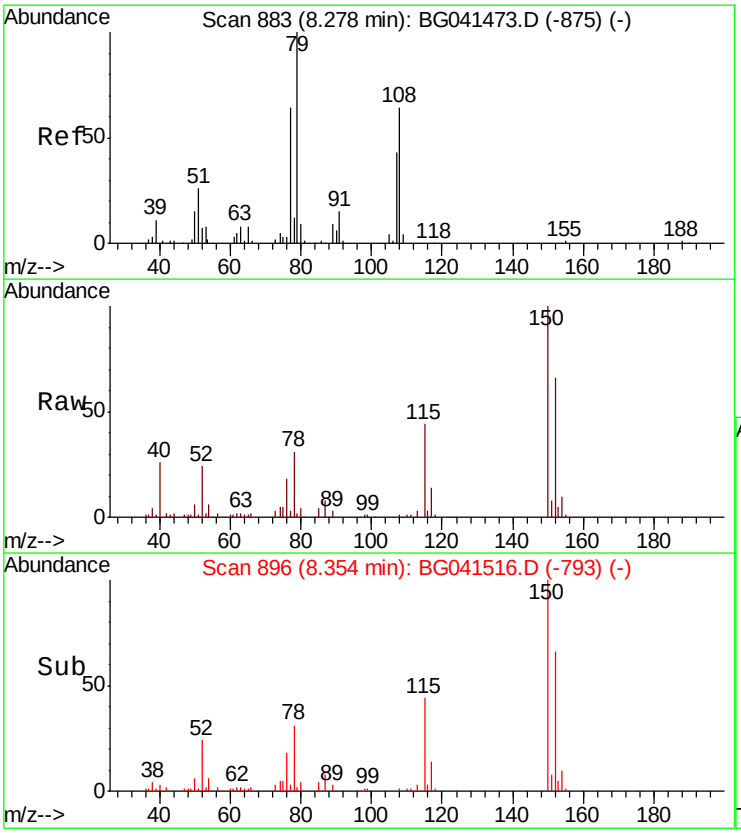

#7
Phenol-d6
Concen: 122.305 ng
RT: 7.19 min Scan# 697
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion: 99 Resp: 169744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.8 | 19.0 | 28.6 |
| 71 | 45.2 | 37.4 | 56.2 |

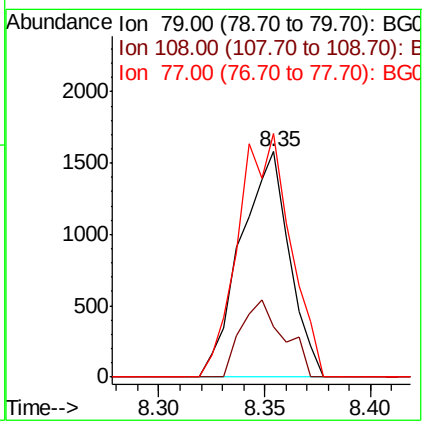


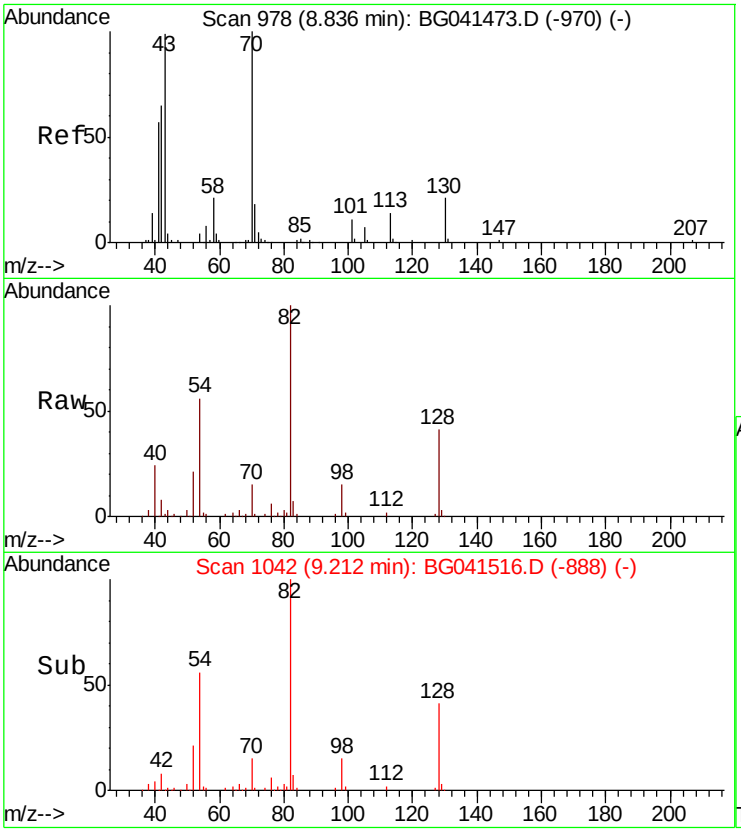




#15
Benzyl Alcohol
Concen: 2.290 ng
RT: 8.35 min Scan# 896
Delta R.T. 0.08 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion: 79 Resp: 2531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 22.6 | 51.4 | 77.0# |
| 77 | 108.0 | 50.8 | 76.2# |



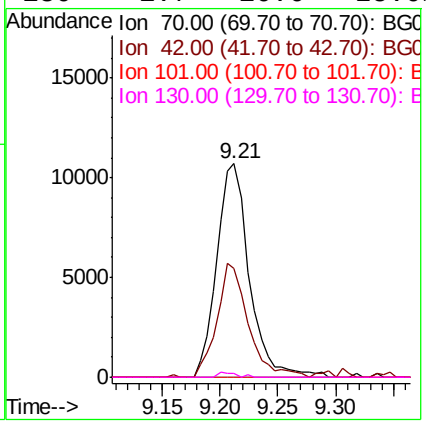


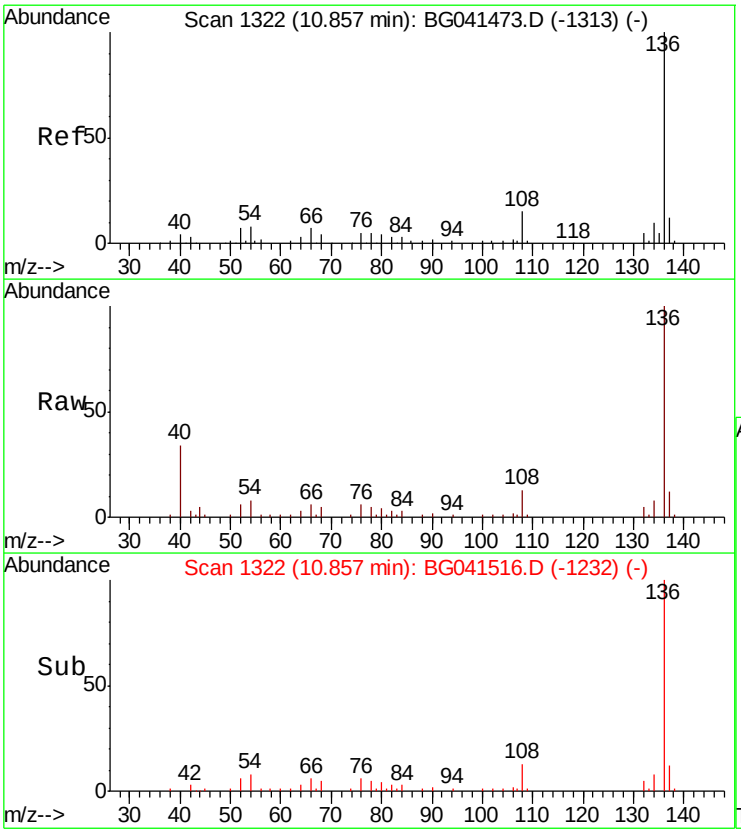

#19
n-Nitroso-di-n-propylamine
Concen: 20.183 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.38 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion: 70 Resp: 20894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.8 | 52.6 | 78.8# |
| 101 | 0.0 | 8.6 | 13.0# |
| 130 | 1.7 | 16.6 | 25.0# |

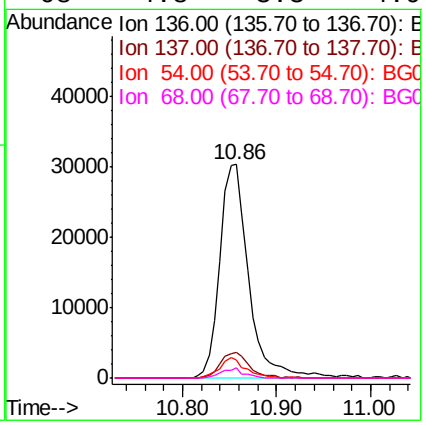


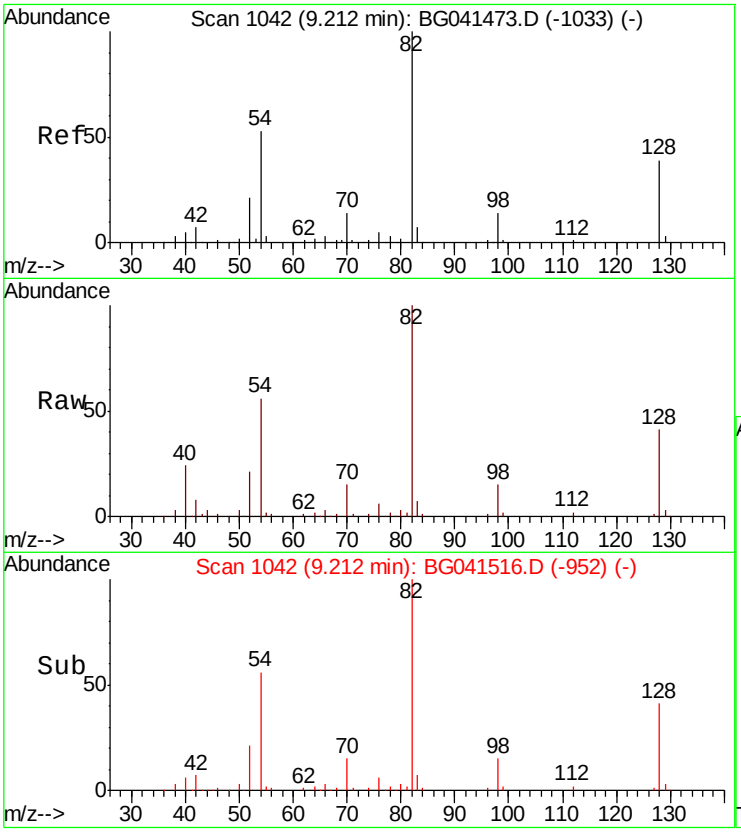




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:136 Resp: 64821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.1 | 9.3 | 13.9 |
| 54 | 8.2 | 7.1 | 10.7 |
| 68 | 4.8 | 3.3 | 4.9 |



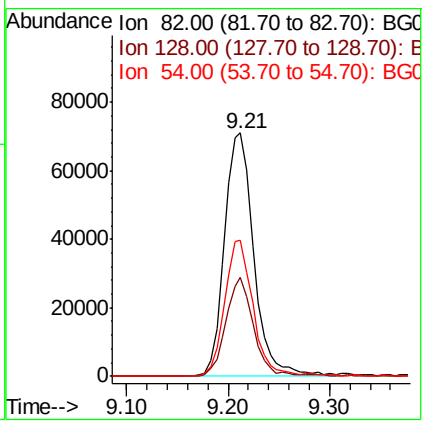


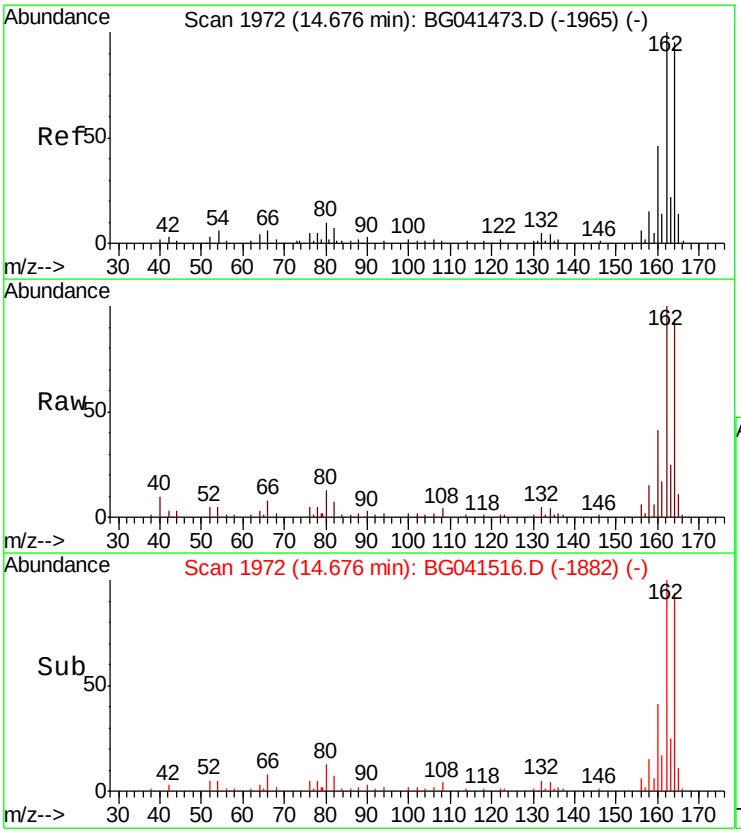

#23
Nitrobenzene-d5
Concen: 91.851 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion: 82 Resp: 142755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.6 | 30.9 | 46.3 |
| 54 | 55.9 | 42.2 | 63.2 |

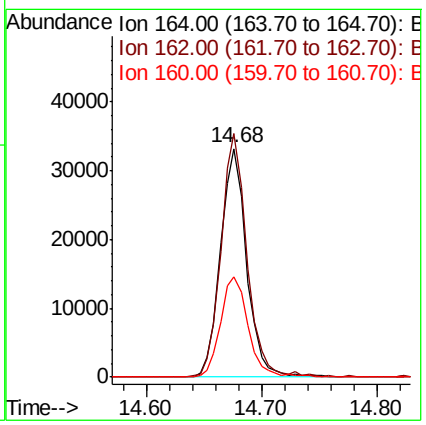


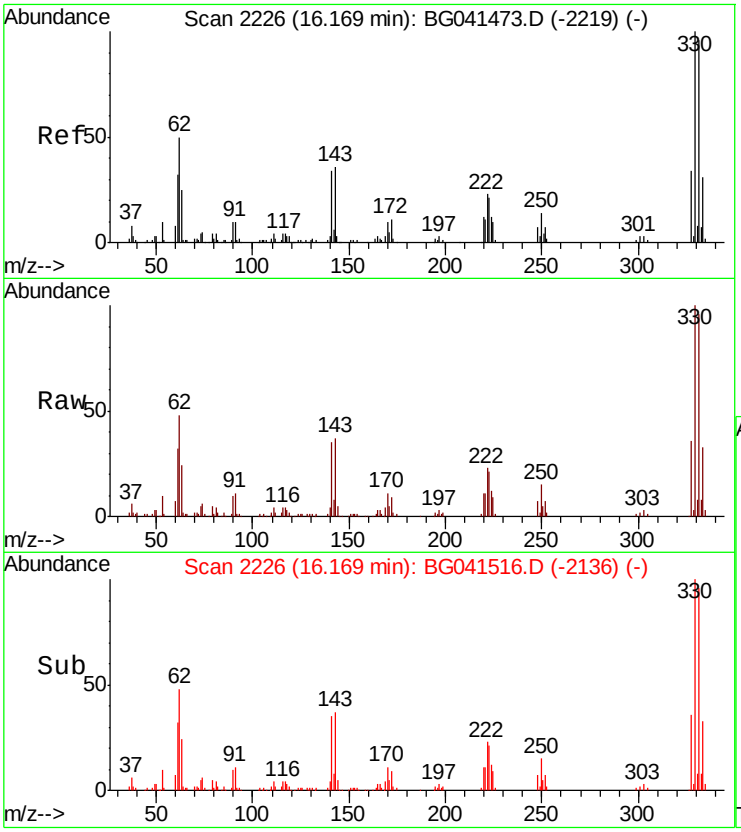




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:164 Resp: 51863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 84.4 | 126.6 |
| 160 | 44.0 | 38.8 | 58.2 |



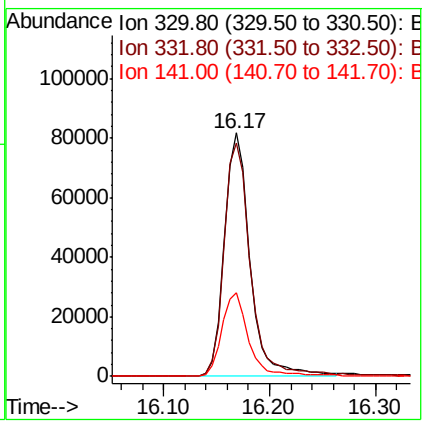


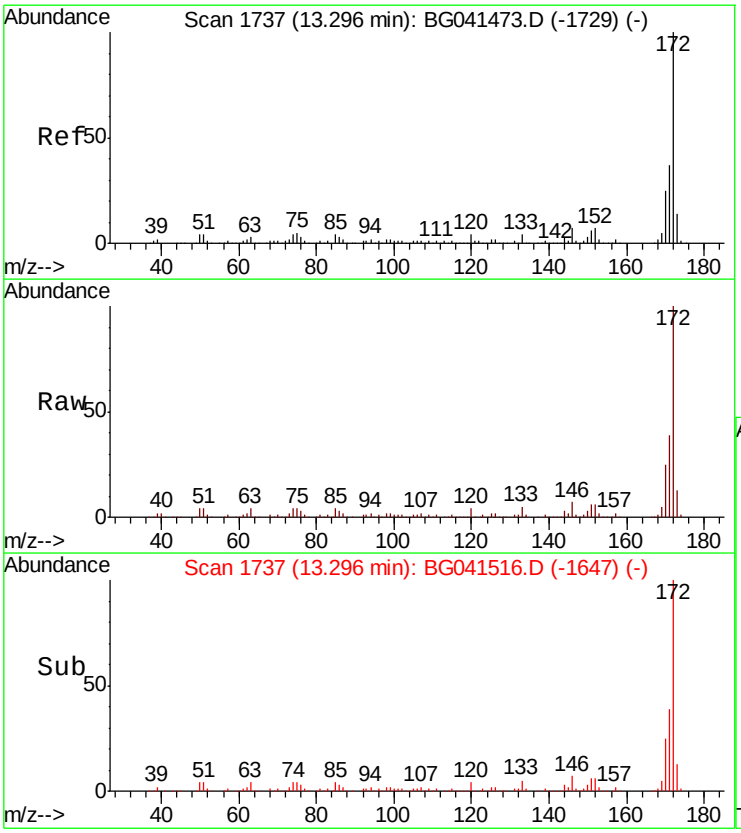

#42
2,4,6-Tribromophenol
Concen: 154.959 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:330 Resp: 137220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.8 | 75.5 | 113.3 |
| 141 | 35.3 | 27.8 | 41.6 |

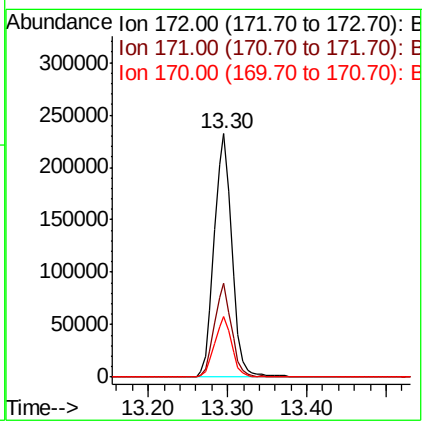


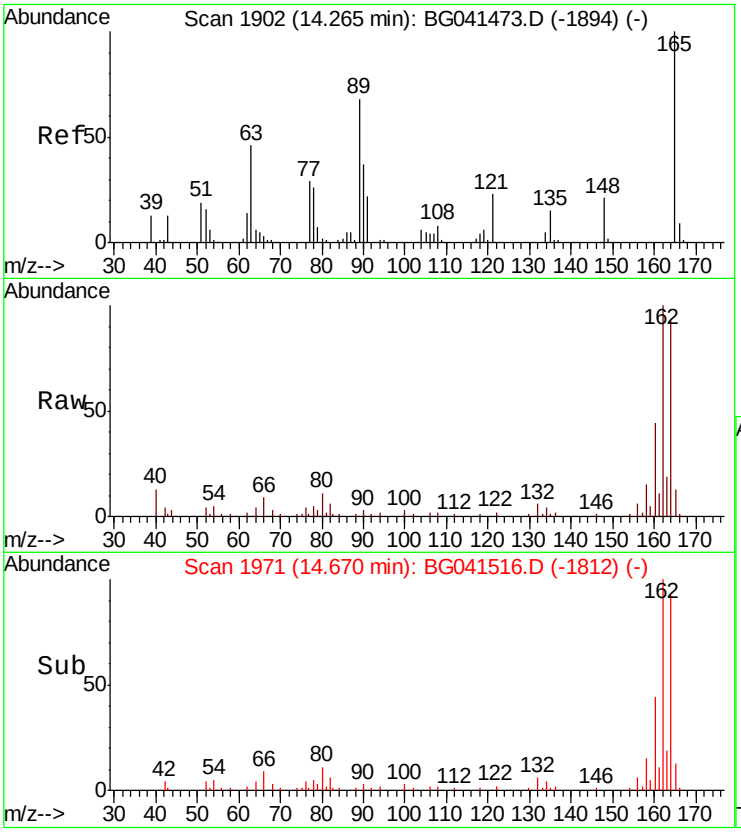




#45
2-Fluorobiphenyl
Concen: 89.369 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:172 Resp: 361184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.7 | 29.6 | 44.4 |
| 170 | 25.1 | 20.0 | 30.0 |



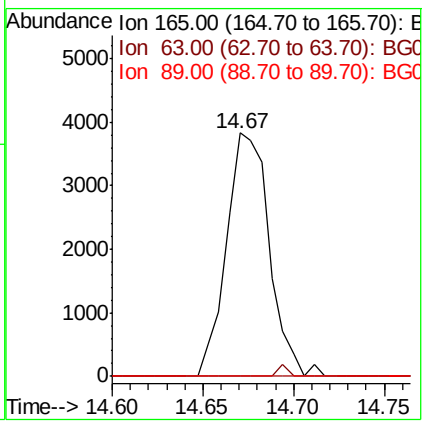


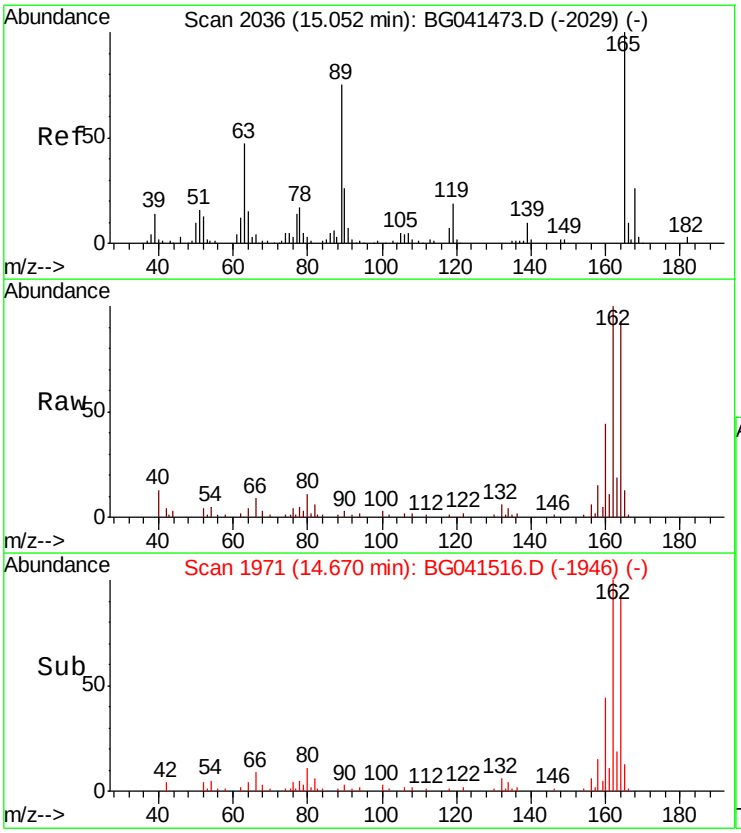

#51
2,6-Dinitrotoluene
Concen: 6.278 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.41 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:165 Resp: 6288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 56.4 | 84.6# |
| 89 | 0.0 | 54.6 | 81.8# |

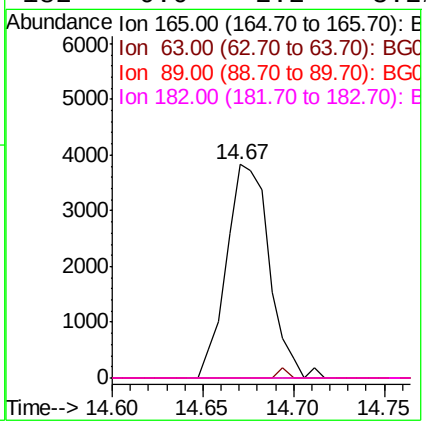


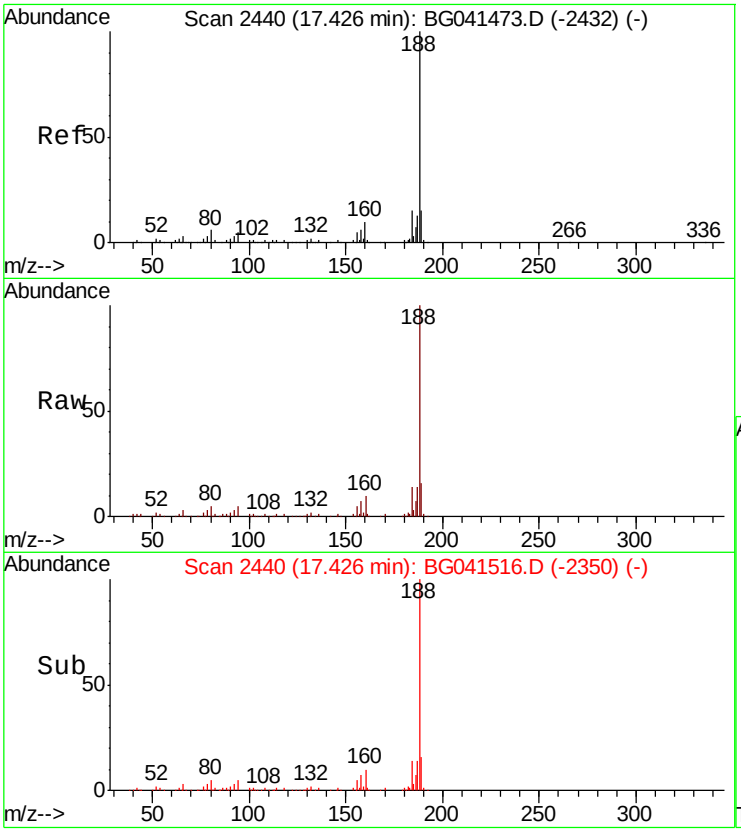




#57
2,4-Dinitrotoluene
Concen: 4.328 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.38 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:165 Resp: 6288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 38.8 | 58.2# |
| 89 | 0.0 | 60.1 | 90.1# |
| 182 | 0.0 | 2.2 | 3.2# |



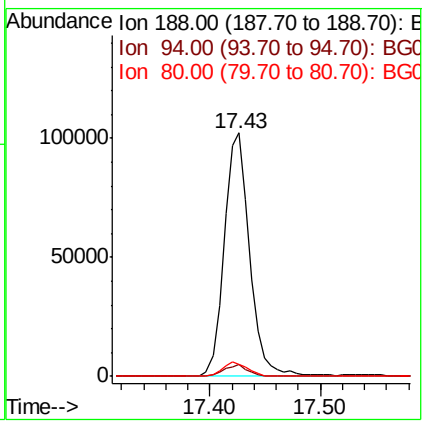


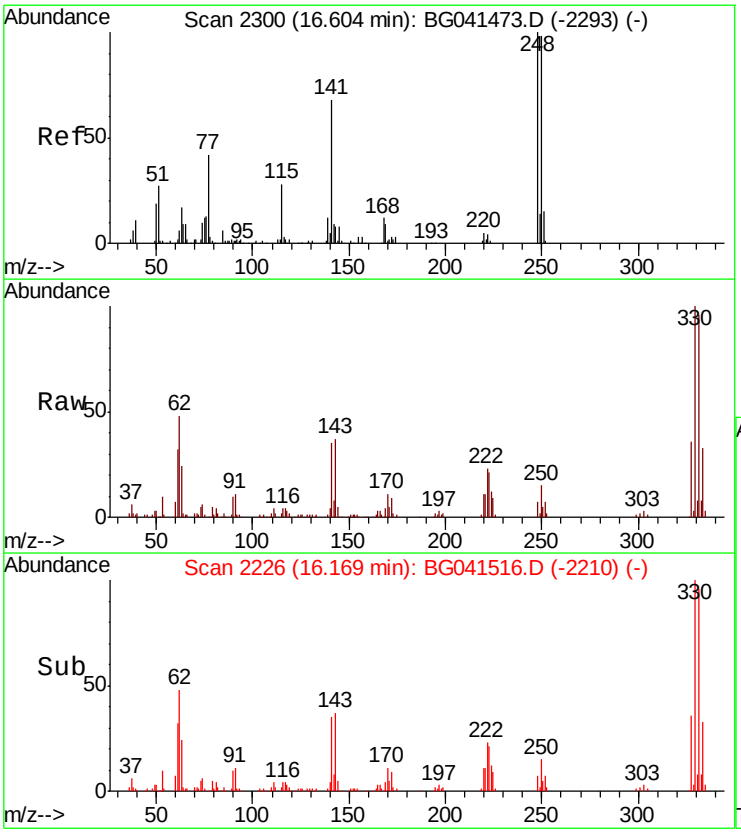

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:188 Resp: 164733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.9 | 3.8 | 5.8 |
| 80 | 4.8 | 4.8 | 7.2 |

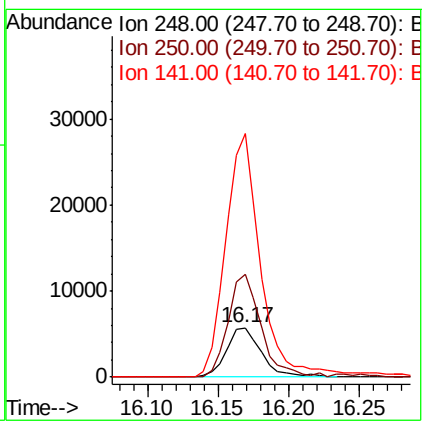


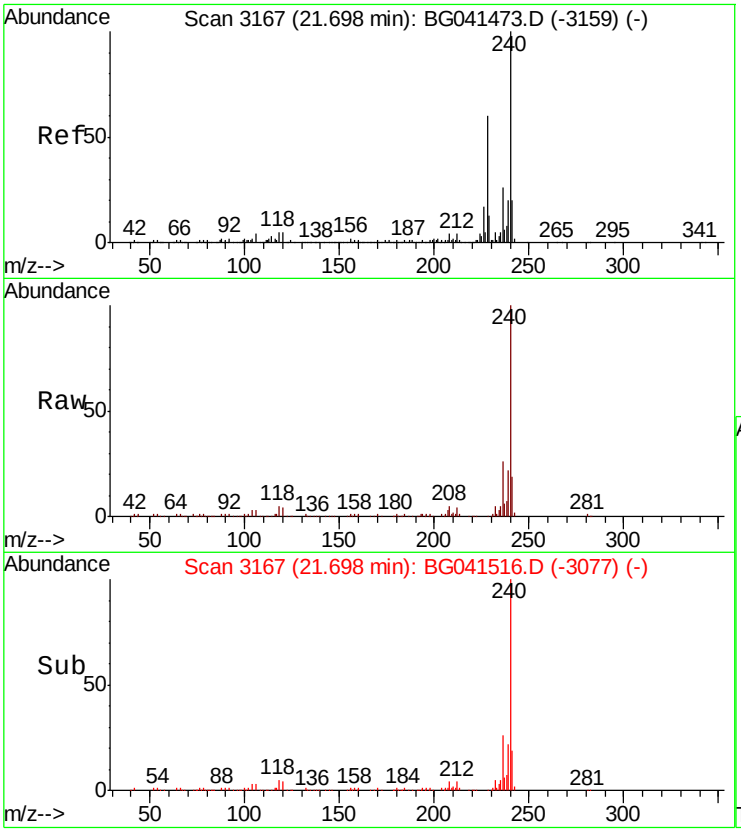




#67
4-Bromophenyl-phenylether
Concen: 4.388 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.43 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:248 Resp: 9879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 273.0 | 78.1 | 117.1# |
| 141 | 492.3 | 54.1 | 81.1# |



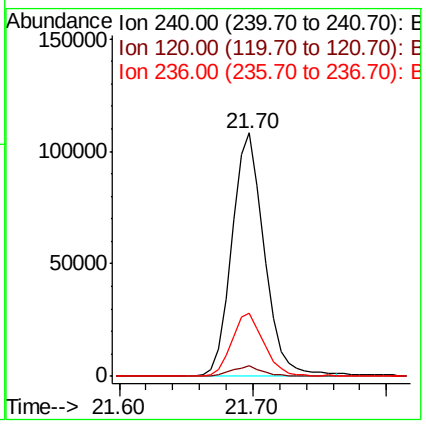


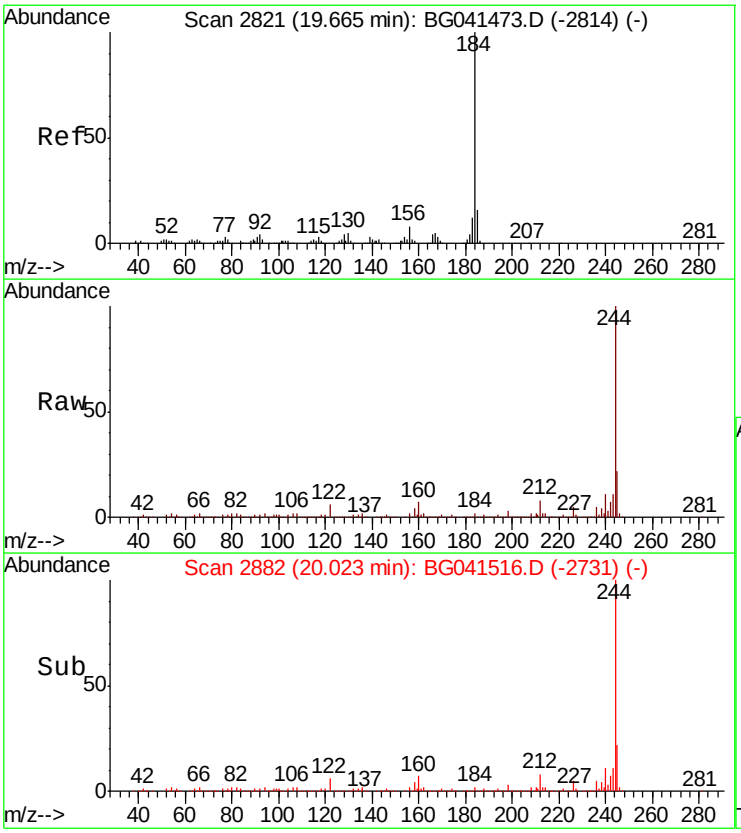

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:240 Resp: 182655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.3 | 3.7 | 5.5 |
| 236 | 25.8 | 20.8 | 31.2 |

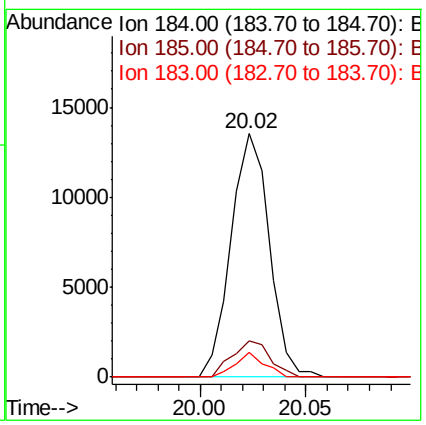


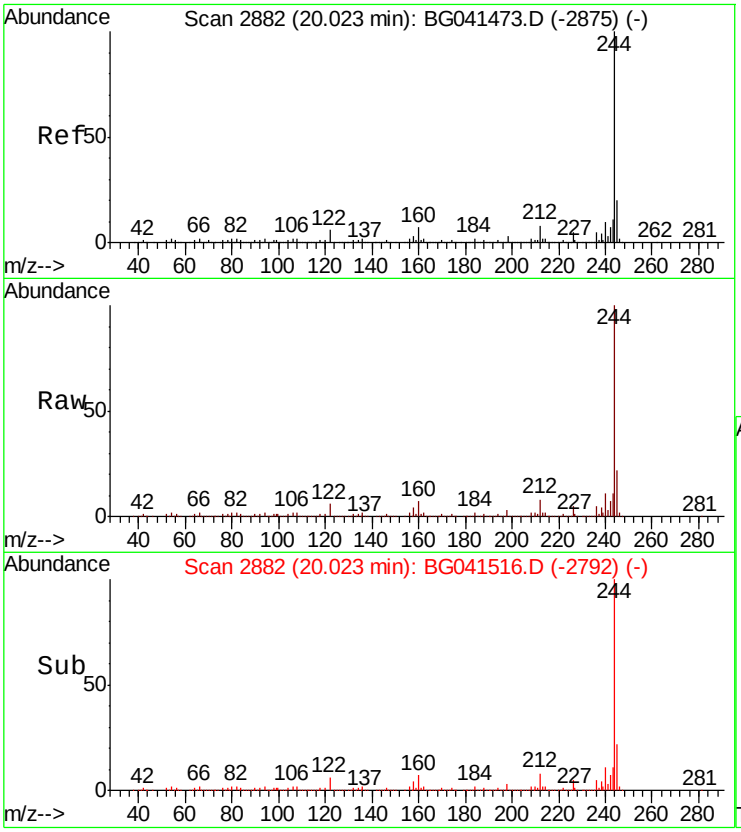




#77
Benzidine
Concen: 4.187 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:184 Resp: 16968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 12.7 | 19.1 |
| 183 | 10.0 | 9.4 | 14.2 |



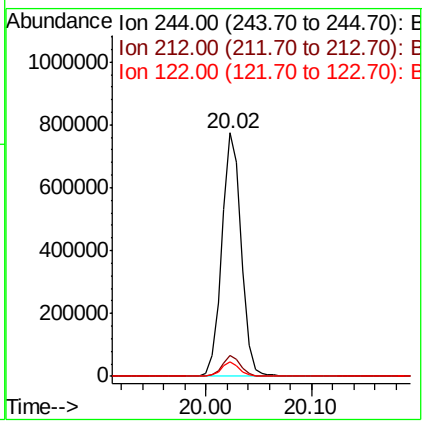


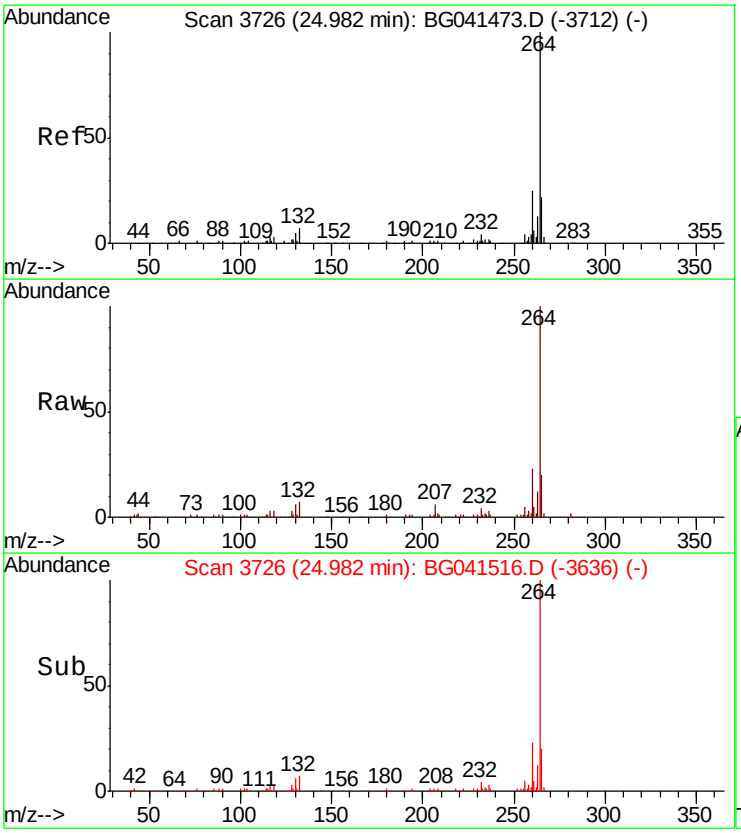

#79
Terphenyl-d14
Concen: 114.500 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-062619-B

Tgt Ion:244 Resp: 984154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 6.2 | 9.4 |
| 122 | 5.9 | 4.8 | 7.2 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BG041516.D
Acq: 28 Jun 2019 17:04

Tgt Ion:264 Resp: 192679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 19.7 | 29.5 |
| 265 | 19.7 | 17.4 | 26.2 |