Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
Data File : BG041458.D
Acq On : 26 Jun 2019 00:06
Operator : HP/JU
Sample : K3482-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-1

Quant Time: Jun 26 04:22:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 29863 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 10.86 | 136 | 106772 | 20.00 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 74660 | 20.00 | ng | -0.04 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 190809 | 20.00 | ng | -0.04 |
| 76) Chrysene-d12 | 21.70 | 240 | 211030 | 20.00 | ng | -0.04 |
| 87) Perylene-d12 | 24.98 | 264 | 220941 | 20.00 | ng | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 205966 | 126.73 | ng | -0.04 |
| 7) Phenol-d6 | 7.20 | 99 | 256653 | 108.94 | ng | -0.04 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 238626 | 93.99 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 163657 | 142.78 | ng | -0.03 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 551081 | 100.32 | ng | -0.04 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1101996 | 103.49 | ng | -0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.13 | 88 | 4779 | 5.864 | ng | # 1 |
| 15) Benzyl Alcohol | 8.36 | 79 | 4570 | 2.025 | ng | # 62 |
| 19) n-Nitroso-di-n-propylamine | 9.22 | 70 | 33256 | 17.454 | ng | # 77 |
| 51) 2,6-Dinitrotoluene | 14.68 | 165 | 9972 | 7.119 | ng | # 17 |
| 57) 2,4-Dinitrotoluene | 14.68 | 165 | 9972 | 4.870 | ng | # 20 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 11608 | 4.705 | ng | # 1 |
| 77) Benzidine | 20.02 | 184 | 19020 | 3.726 | ng | # 92 |

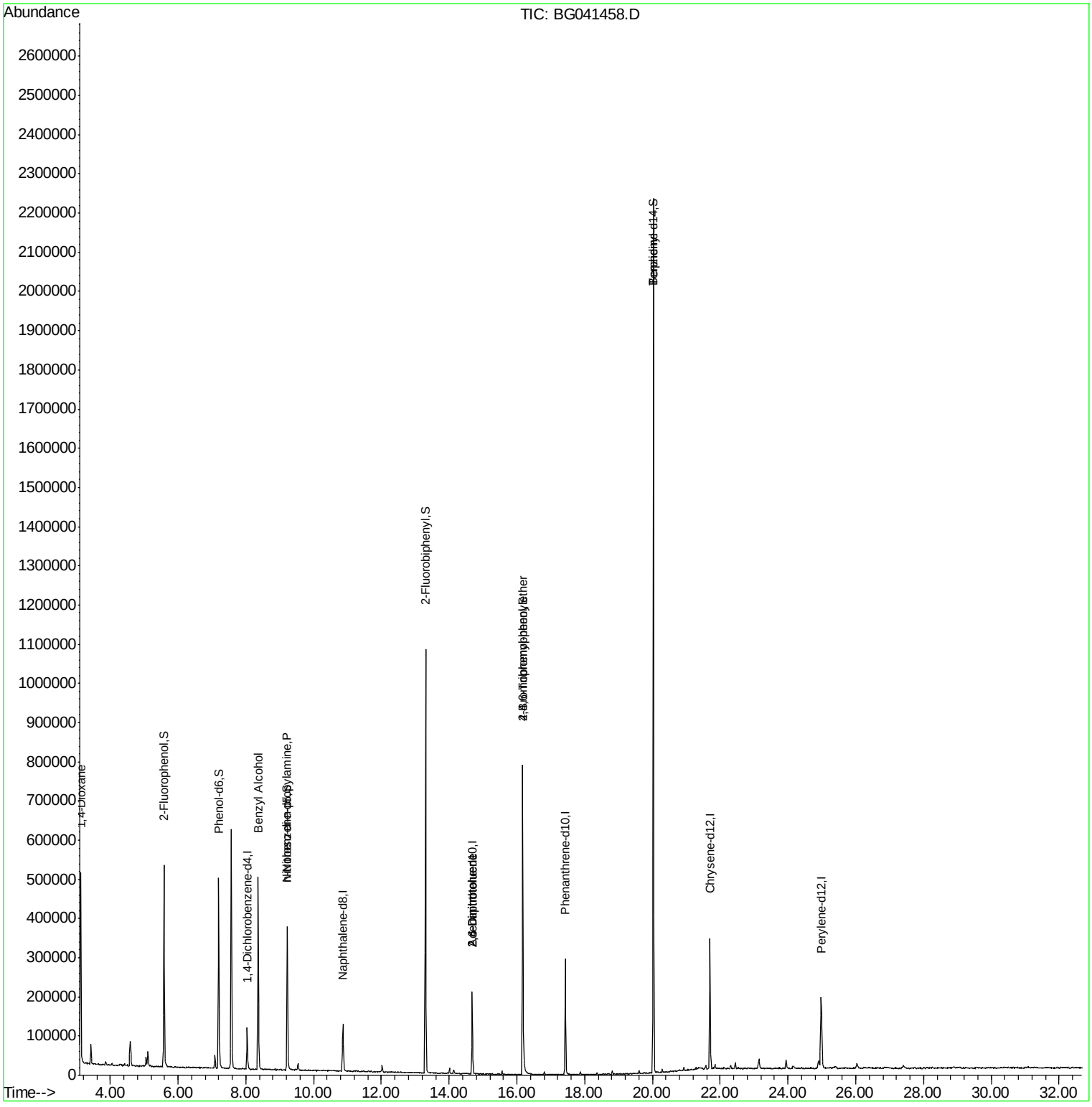
(#) = qualifier out of range (m) = manual integration (+) = signals summed

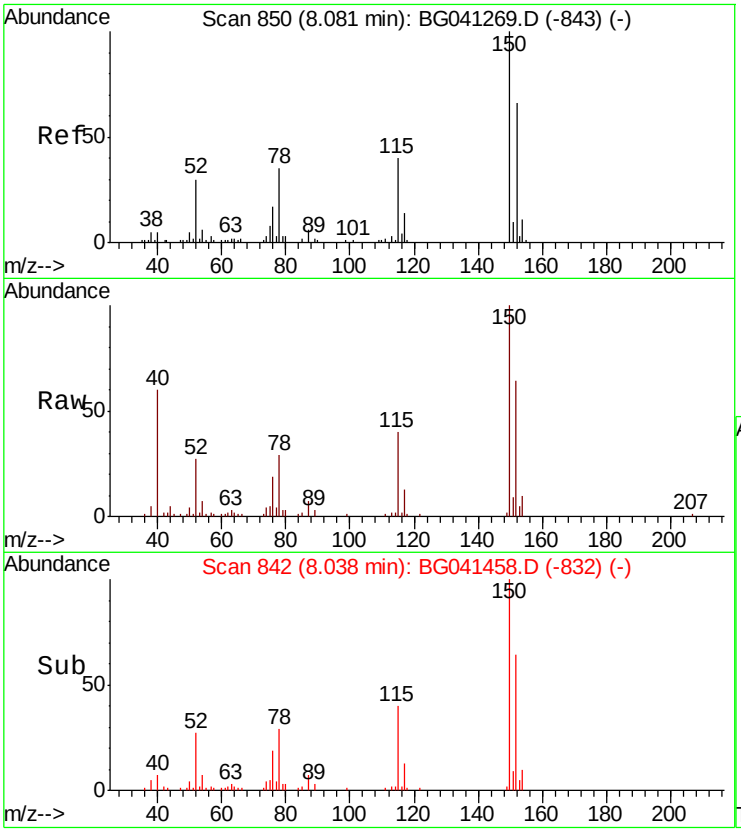
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
Data File : BG041458.D
Acq On : 26 Jun 2019 00:06
Operator : HP/JU
Sample : K3482-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Time: Jun 26 04:22:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
Response via : Initial Calibration



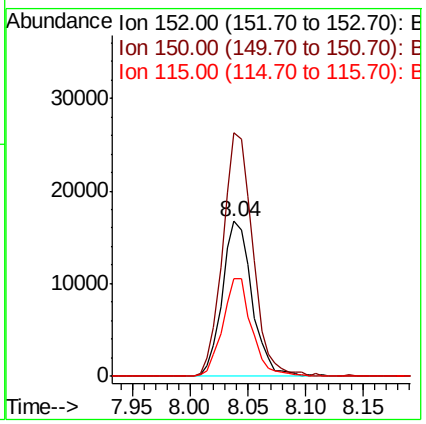


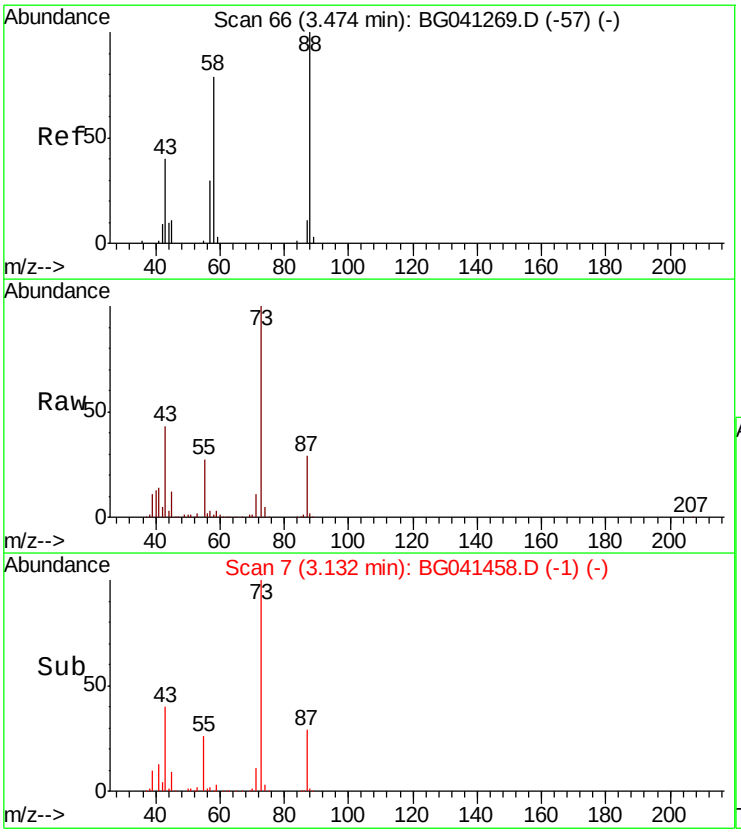

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:152 Resp: 29863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.8 | 120.6 | 181.0 |
| 115 | 63.0 | 47.9 | 71.9 |

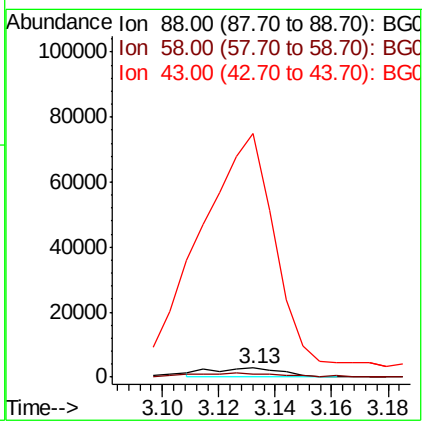


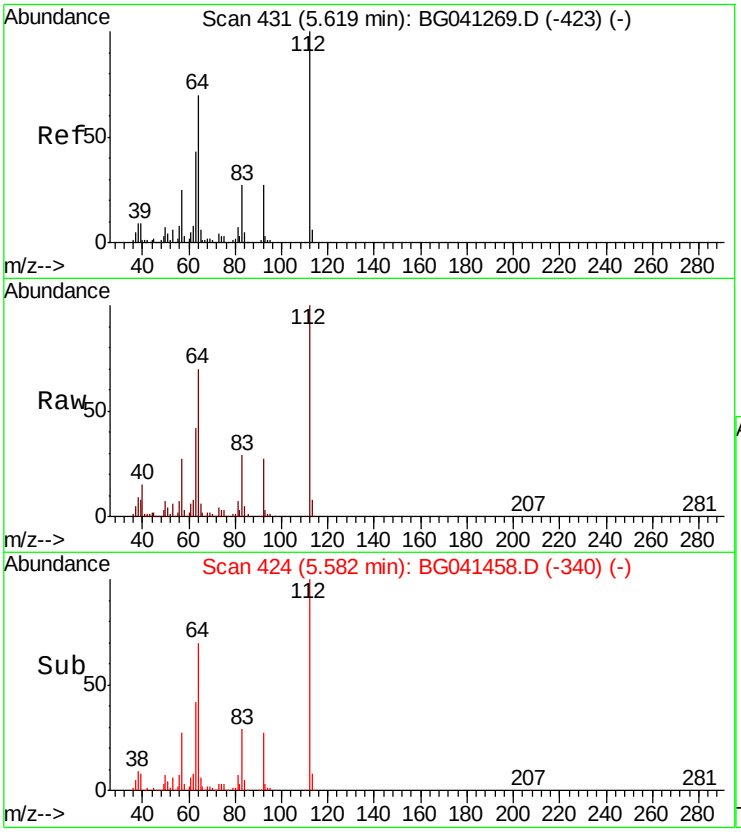




#2
1,4-Dioxane
Concen: 5.864 ng
RT: 3.13 min Scan# 7
Delta R.T. -0.34 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion: 88 Resp: 4779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 44.3 | 59.7 | 89.5# |
| 43 | 2323.7 | 31.9 | 47.9# |



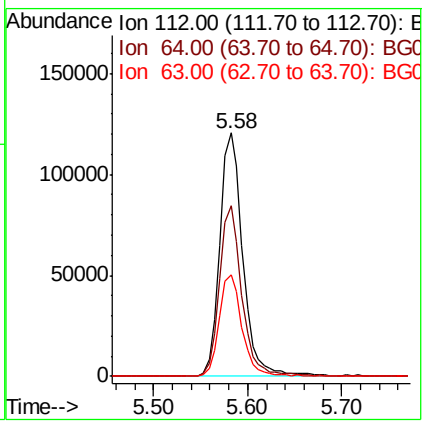


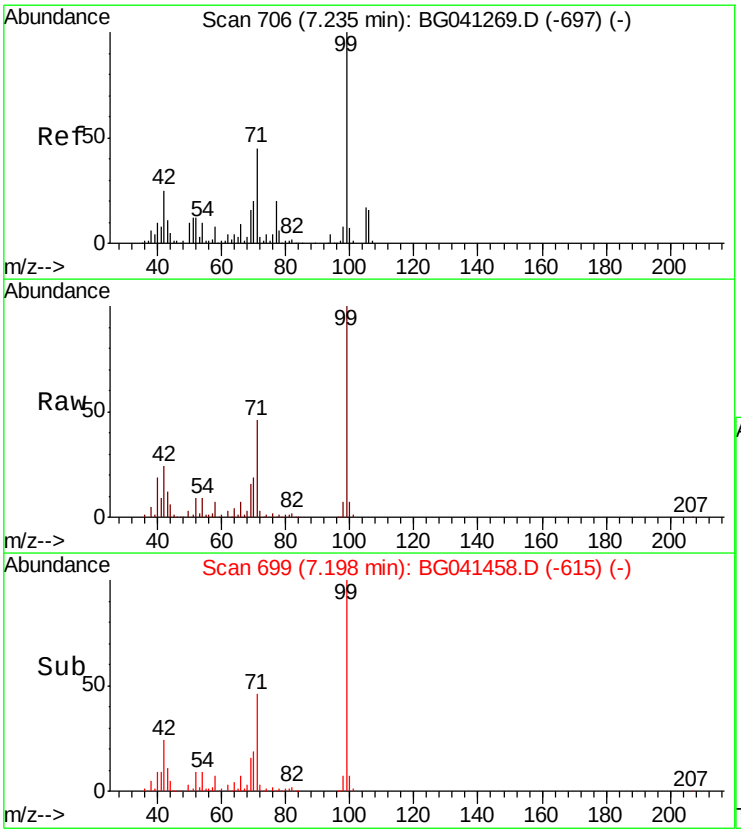

#5
2-Fluorophenol
Concen: 126.727 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:112 Resp: 205966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.0 | 55.9 | 83.9 |
| 63 | 41.8 | 34.6 | 51.8 |

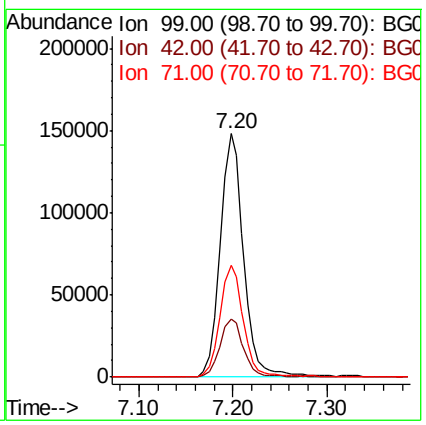


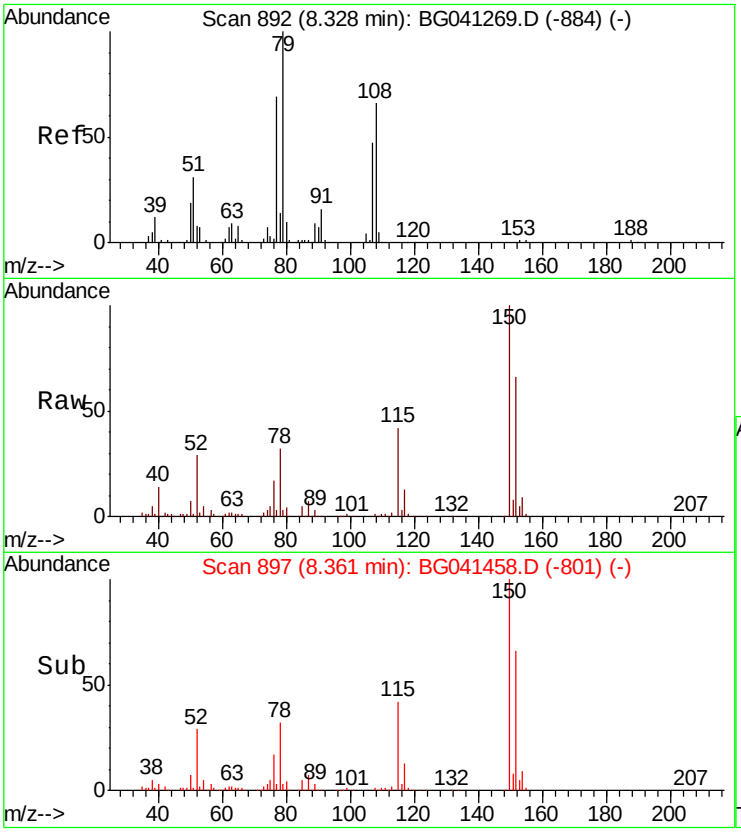




#7
Phenol-d6
Concen: 108.943 ng
RT: 7.20 min Scan# 699
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion: 99 Resp: 256653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.0 | 19.9 | 29.9 |
| 71 | 46.0 | 36.4 | 54.6 |



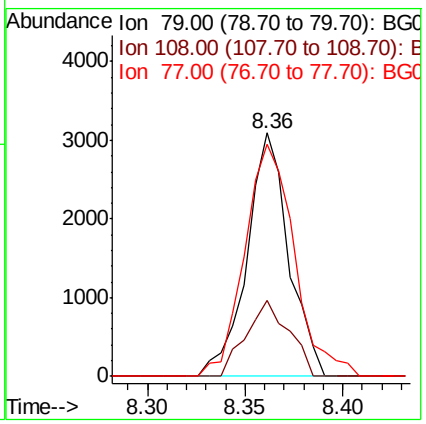


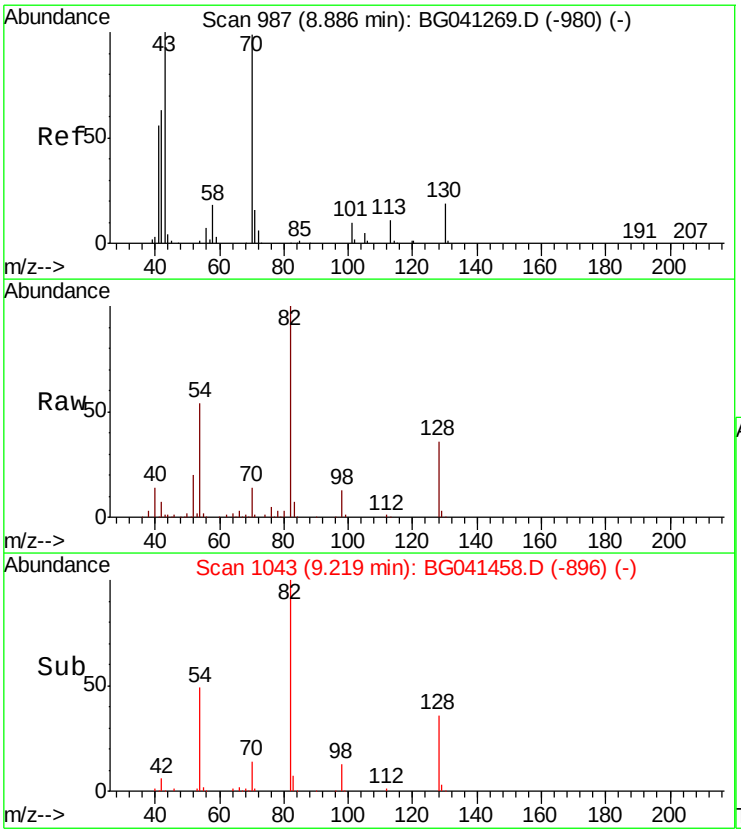

#15
Benzyl Alcohol
Concen: 2.025 ng
RT: 8.36 min Scan# 897
Delta R.T. 0.03 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion: 79 Resp: 4570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 31.1 | 52.7 | 79.1# |
| 77 | 95.3 | 55.2 | 82.8# |

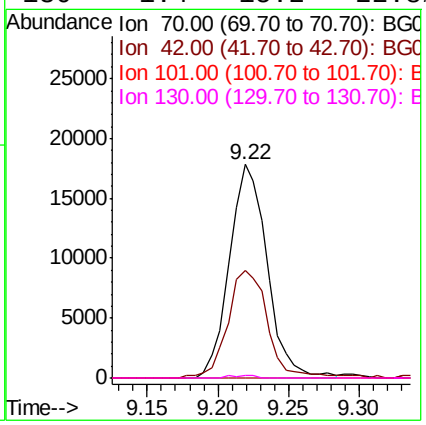


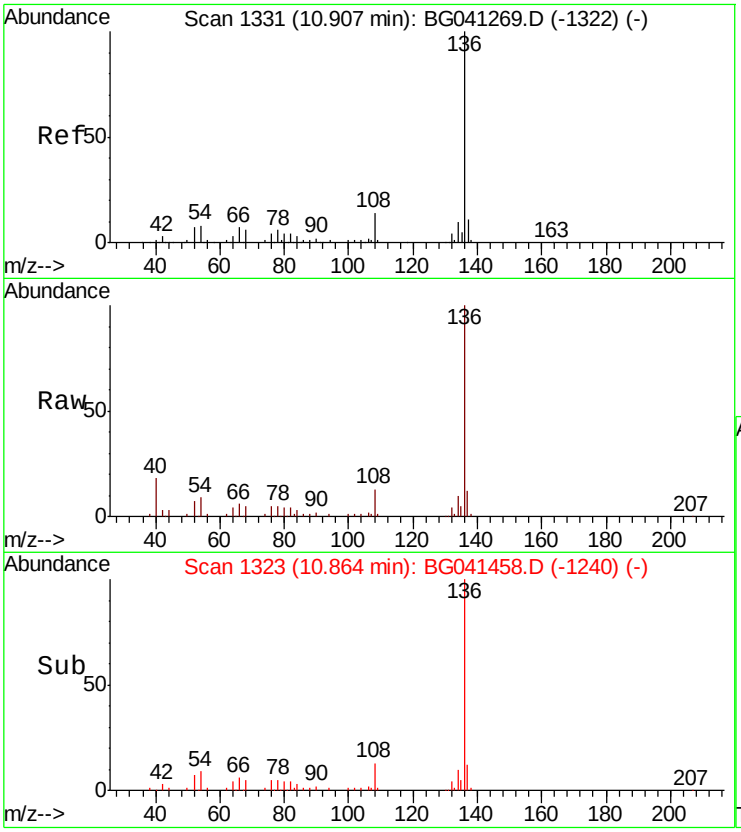




#19
n-Nitroso-di-n-propylamine
Concen: 17.454 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.33 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion: 70 Resp: 33256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.3 | 51.4 | 77.2# |
| 101 | 0.0 | 8.2 | 12.2# |
| 130 | 1.4 | 15.2 | 22.8# |



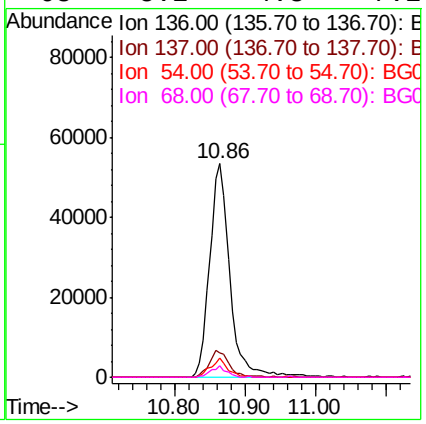


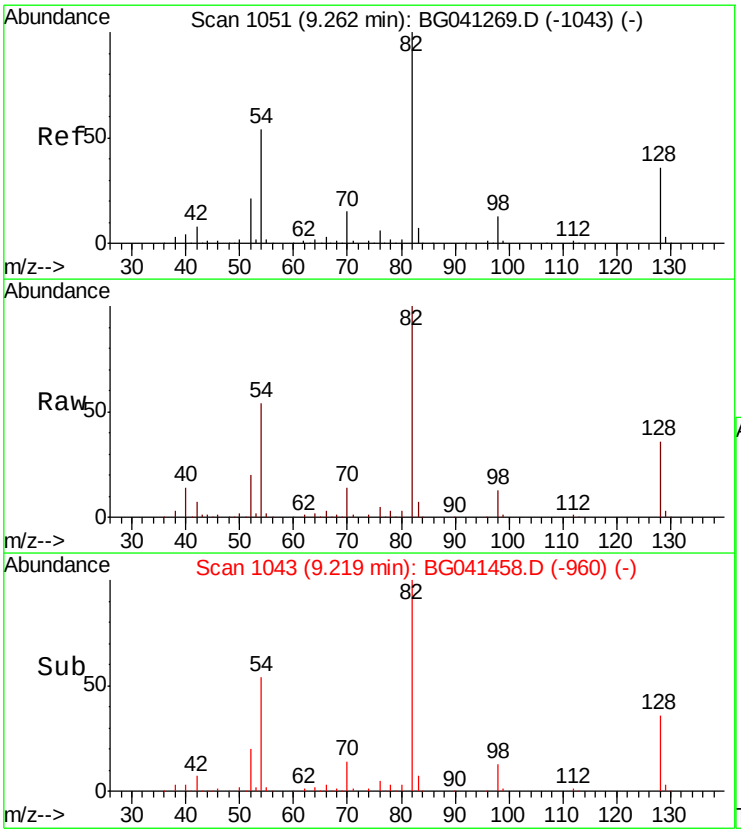

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:136 Resp: 106772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.8 | 13.2 |
| 54 | 8.8 | 6.4 | 9.6 |
| 68 | 5.2 | 4.8 | 7.2 |

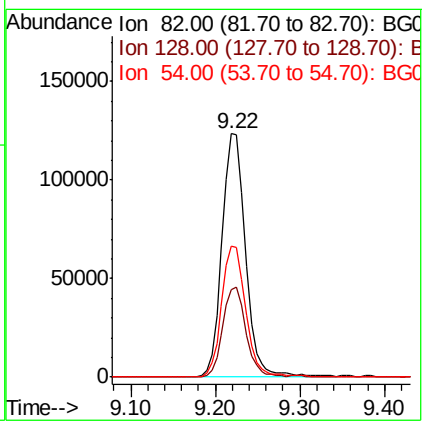


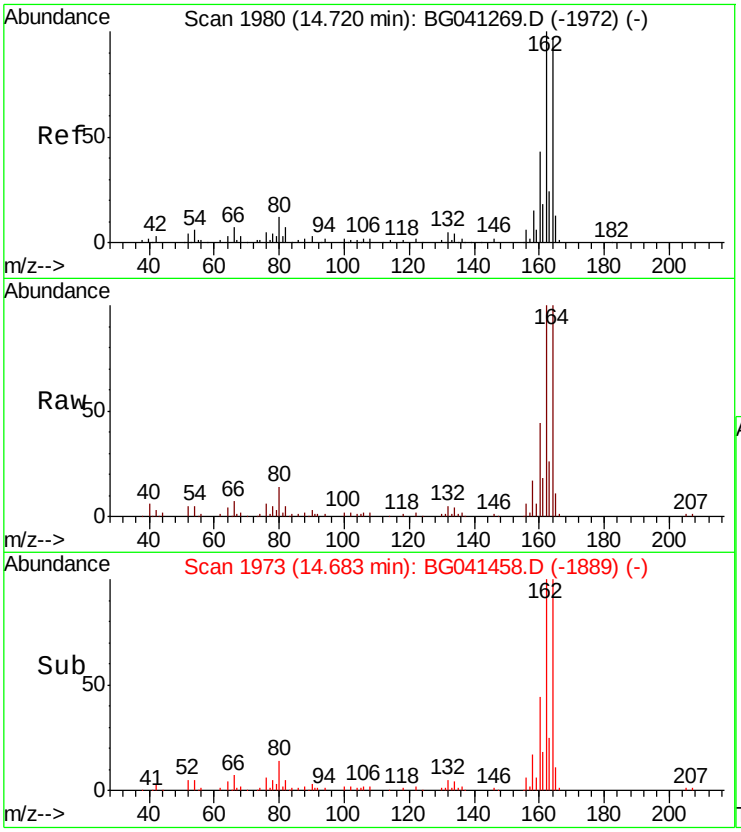




#23
Nitrobenzene-d5
Concen: 93.992 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion: 82 Resp: 238626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.9 | 29.2 | 43.8 |
| 54 | 53.9 | 43.4 | 65.0 |



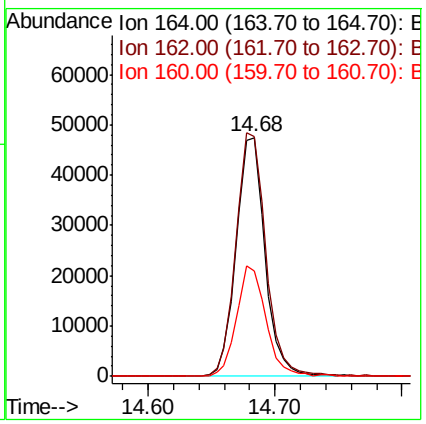


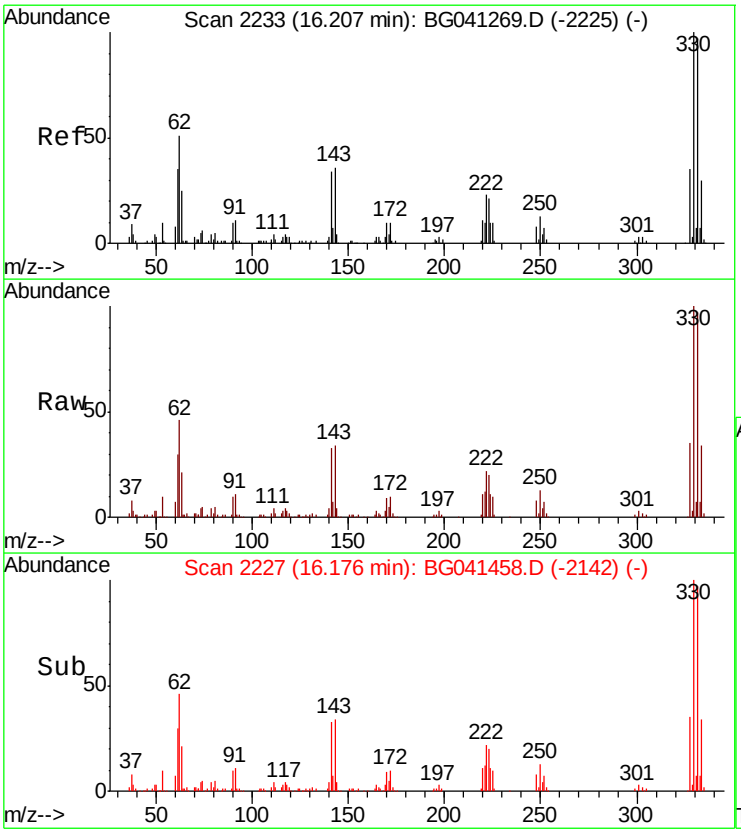

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:164 Resp: 74660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.2 | 82.8 | 124.2 |
| 160 | 44.4 | 35.8 | 53.8 |

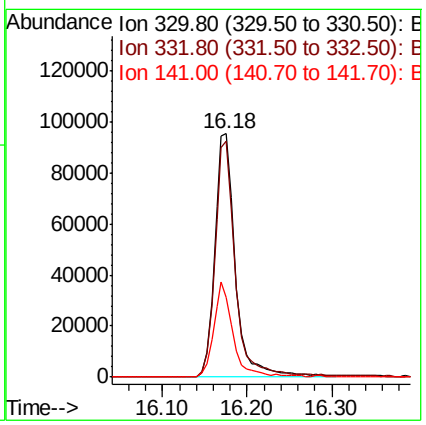


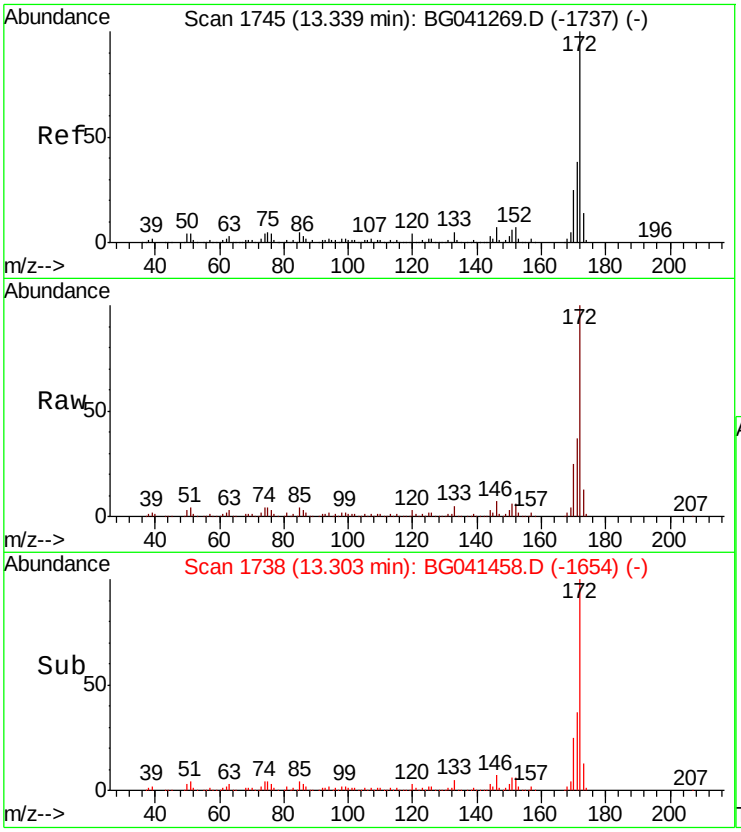




#42
2,4,6-Tribromophenol
Concen: 142.783 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.03 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion:330 Resp: 163657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 75.5 | 113.3 |
| 141 | 35.8 | 29.0 | 43.4 |



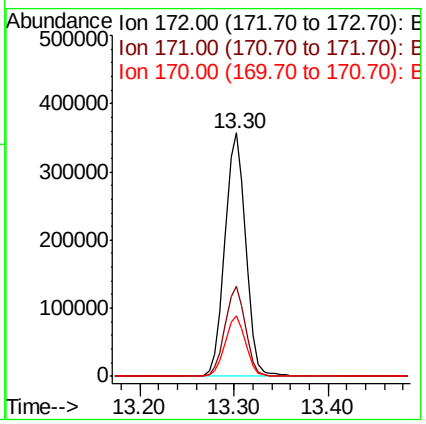


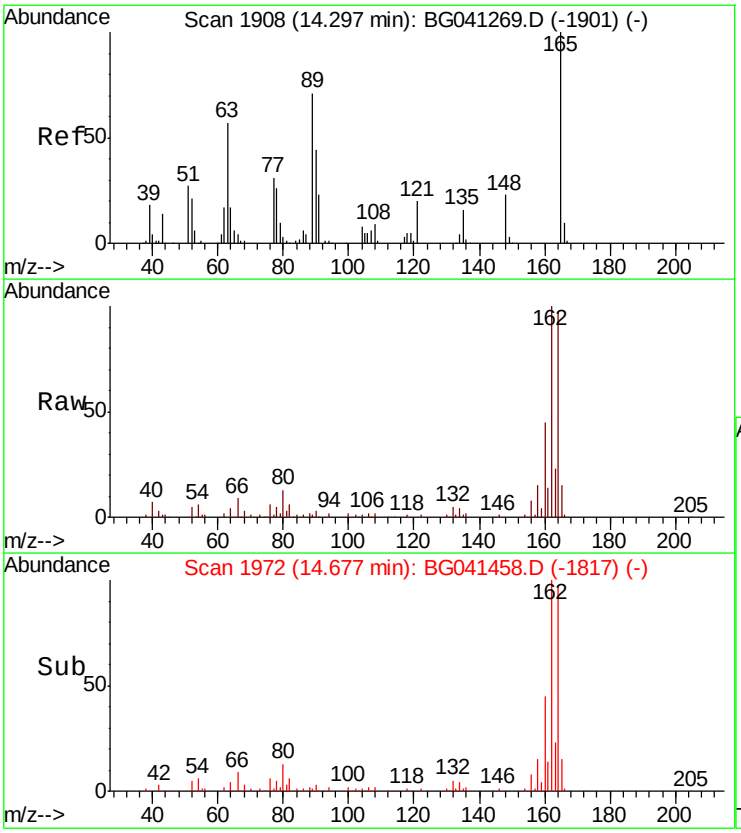

#45
2-Fluorobiphenyl
Concen: 100.322 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:172 Resp: 551081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 30.0 | 45.0 |
| 170 | 24.9 | 19.8 | 29.6 |

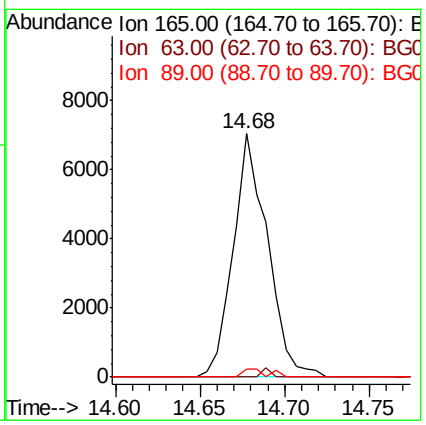


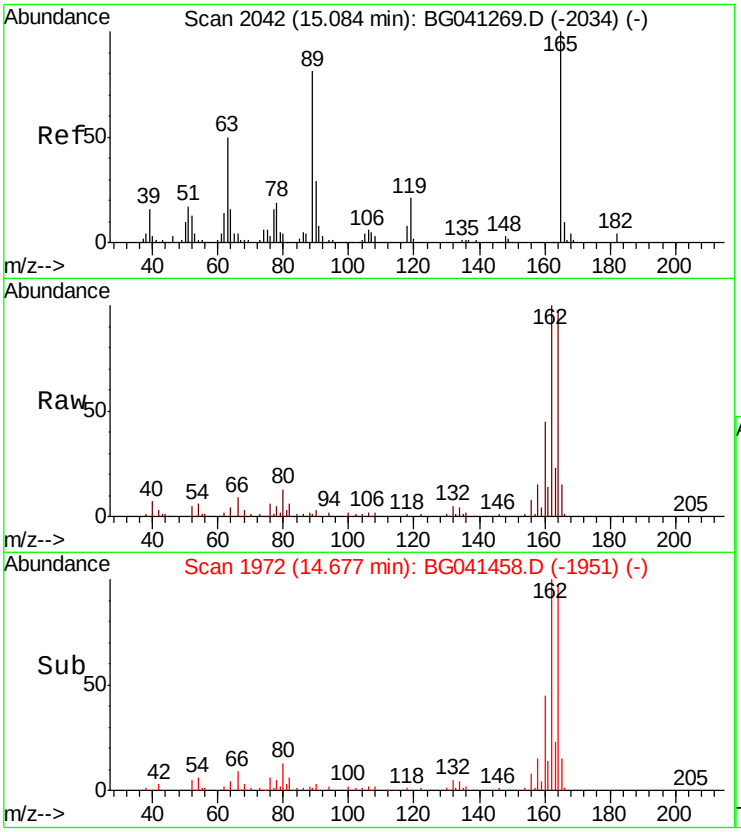




#51
2,6-Dinitrotoluene
Concen: 7.119 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.38 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion:165 Resp: 9972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 55.4 | 83.0# |
| 89 | 3.6 | 56.5 | 84.7# |



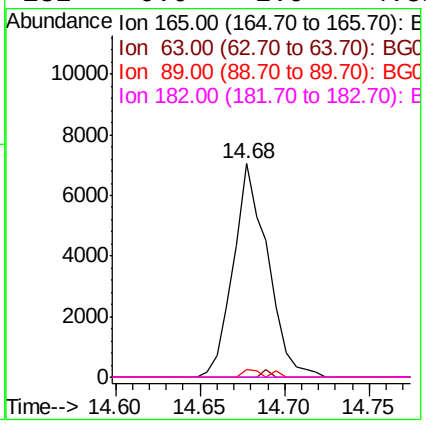


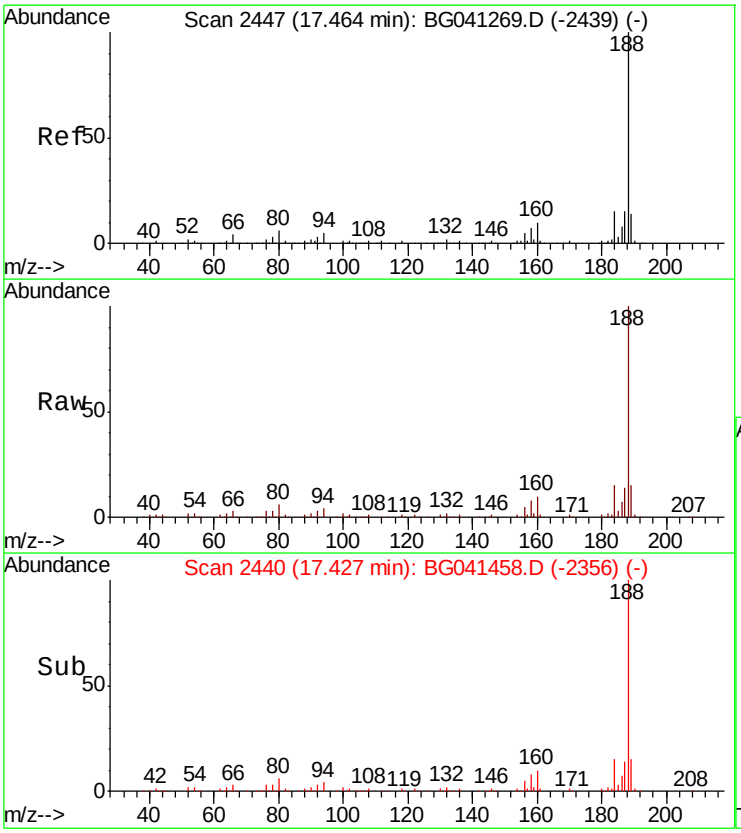

#57
2,4-Dinitrotoluene
Concen: 4.870 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.41 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:165 Resp: 9972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 40.0 | 60.0# |
| 89 | 3.6 | 64.6 | 96.8# |
| 182 | 0.0 | 2.9 | 4.3# |

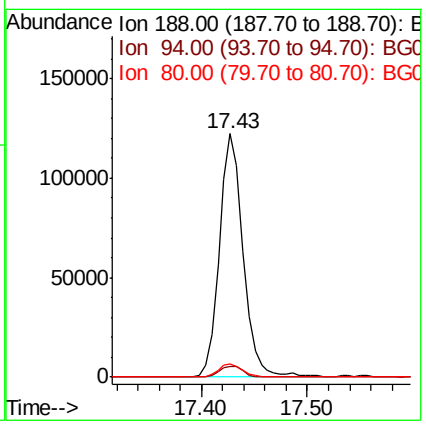


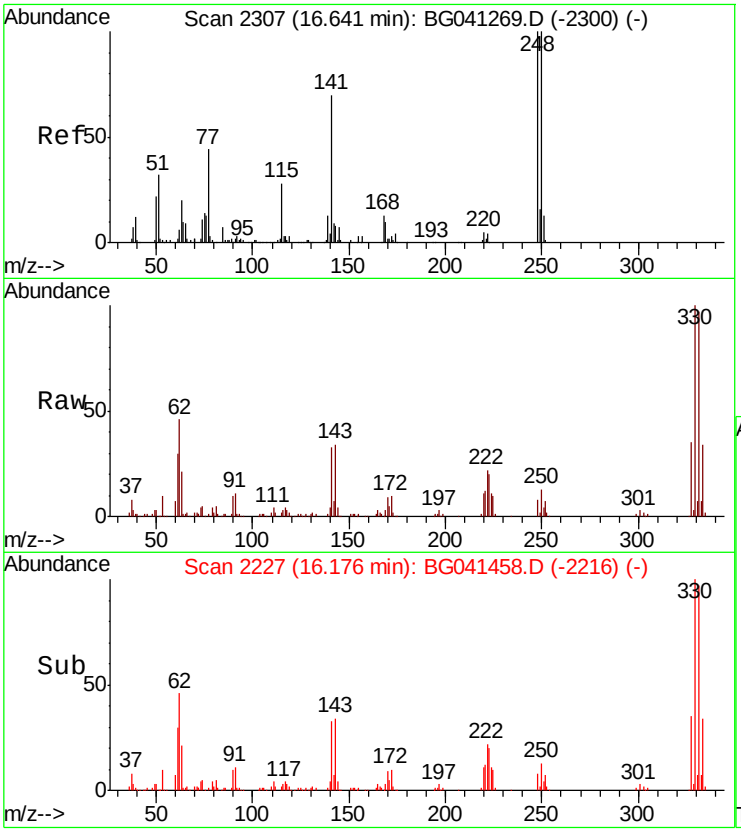




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion:188 Resp: 190809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.4 | 3.6 | 5.4 |
| 80 | 5.6 | 4.8 | 7.2 |



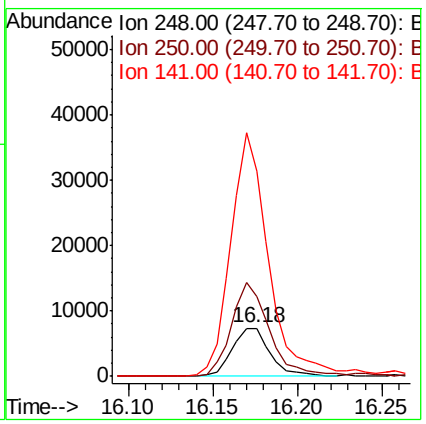


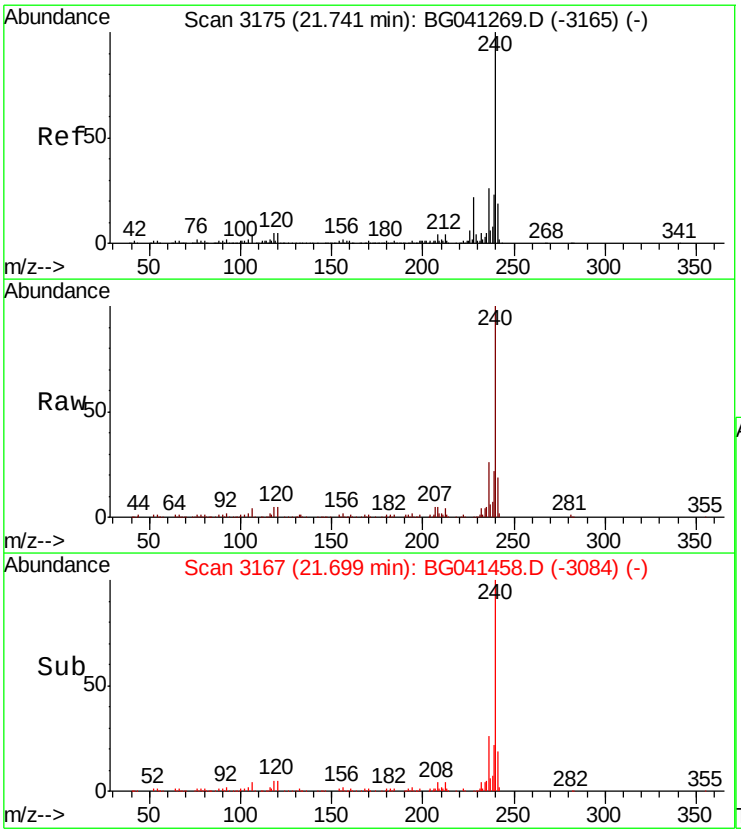

#67
4-Bromophenyl-phenylether
Concen: 4.705 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.47 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:248 Resp: 11608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 166.5 | 79.8 | 119.8# |
| 141 | 425.6 | 55.8 | 83.6# |

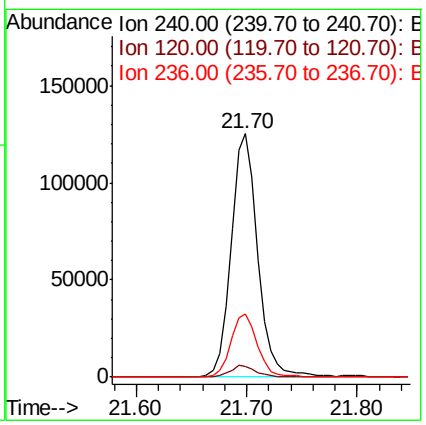


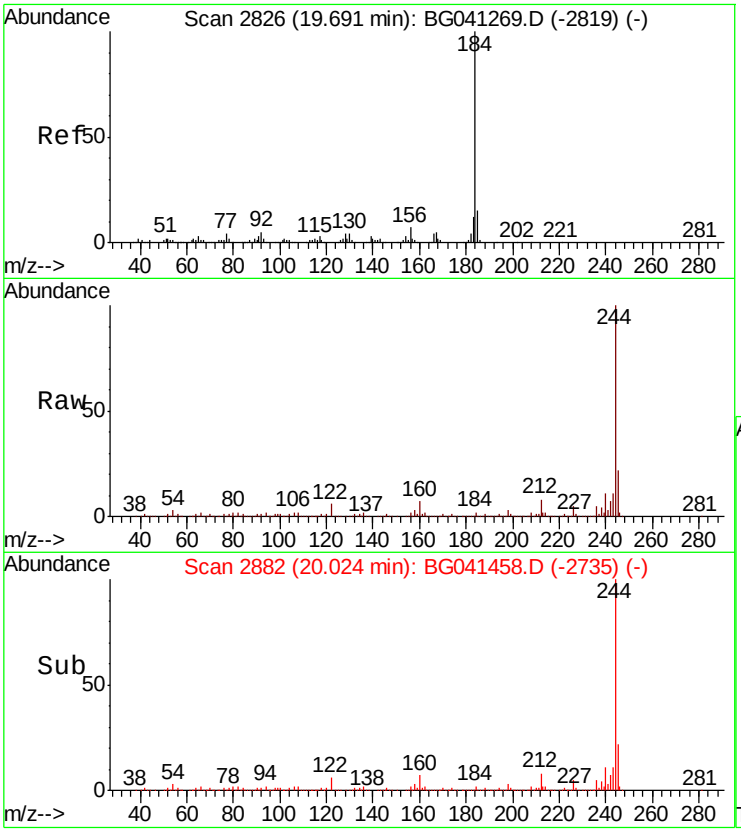




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion:240 Resp: 211030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.5 | 3.7 | 5.5 |
| 236 | 25.8 | 21.1 | 31.7 |



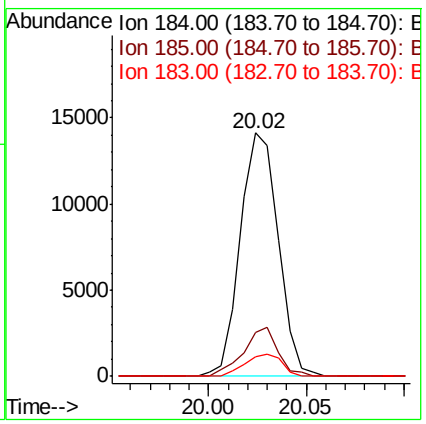


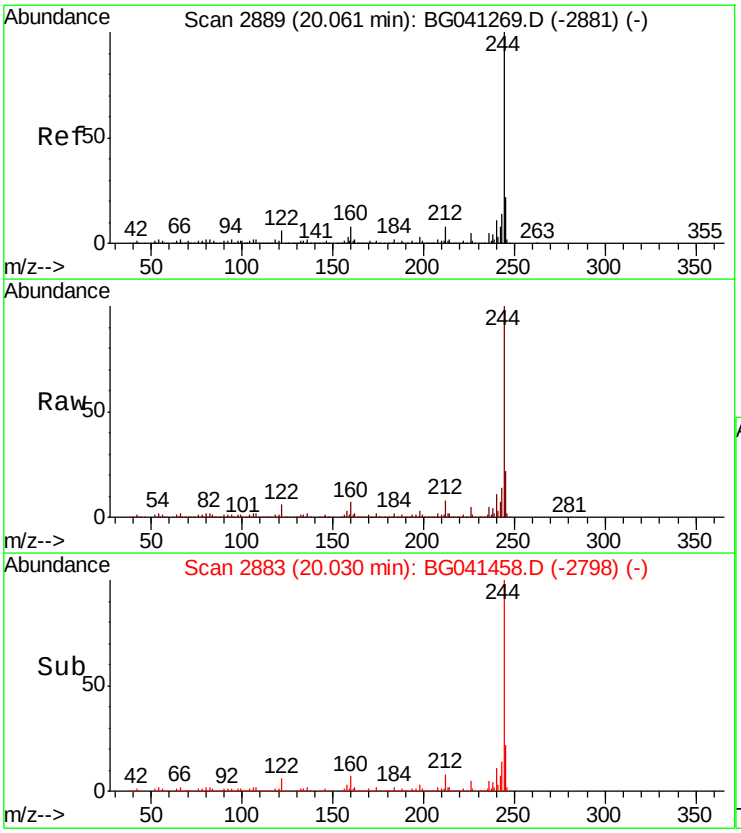

#77
Benzidine
Concen: 3.726 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.33 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:184 Resp: 19020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.3 | 12.2 | 18.2# |
| 183 | 8.3 | 9.6 | 14.4# |

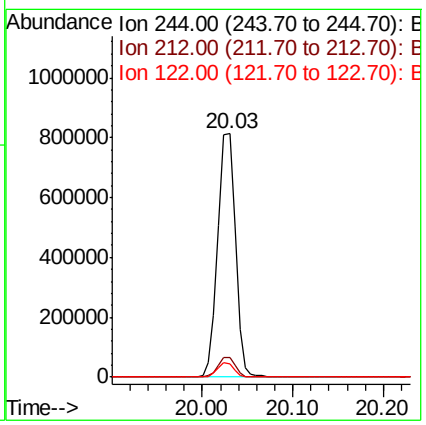


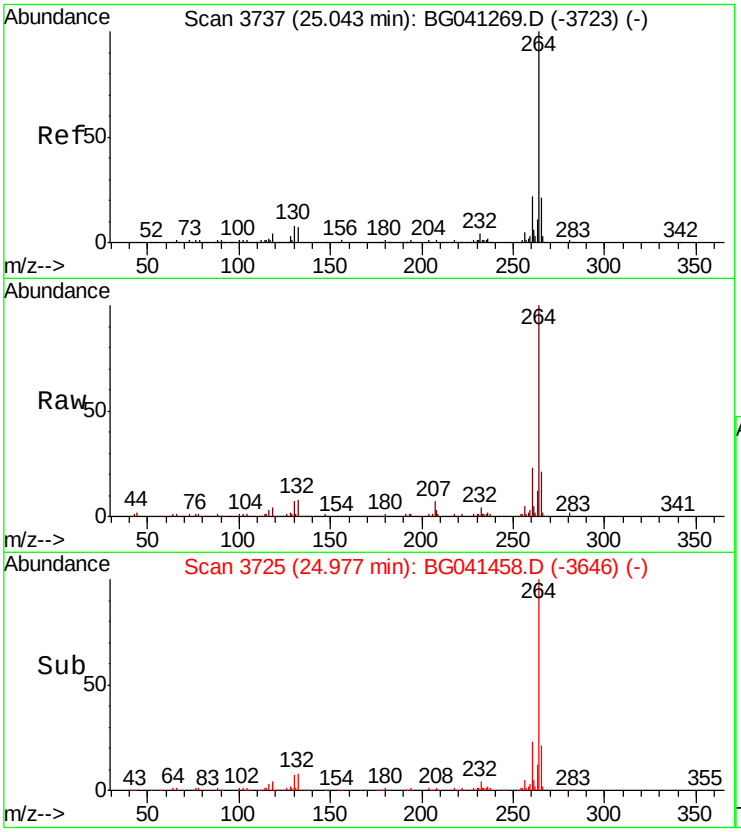




#79
Terphenyl-d14
Concen: 103.489 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.03 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

Tgt Ion:244 Resp: 1101996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 6.6 | 10.0 |
| 122 | 5.6 | 5.0 | 7.4 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.07 min
Lab File: BG041458.D
Acq: 26 Jun 2019 00:06

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Tgt Ion:264 Resp: 220941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 17.4 | 26.2 |
| 265 | 21.2 | 17.2 | 25.8 |