Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
Data File : BG041204.D
Acq On : 12 Jun 2019 13:45
Operator : HP/JU
Sample : PB120526BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB120526BL

Quant Time: Jun 13 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 39362 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 162518 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 123973 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 297838 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 294711 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.09 | 264 | 279574 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 297977 | 136.51 | ng | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 453477 | 134.51 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 314775 | 85.98 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 229469 | 124.68 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.35 | 172 | 785719 | 91.27 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1350874 | 97.28 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 44720 | 17.237 | ng | # 81 |
| 51) 2,6-Dinitrotoluene | 14.74 | 165 | 15042 | 6.648 | ng | # 20 |
| 57) 2,4-Dinitrotoluene | 14.74 | 165 | 15042 | 4.706 | ng | # 23 |
| 65) 4,6-Dinitro-2-methylphenol | 16.22 | 198 | 627 | 8.912 | ng | # 1 |
| 77) Benzidine | 20.08 | 184 | 23195 | 3.299 | ng | # 95 |

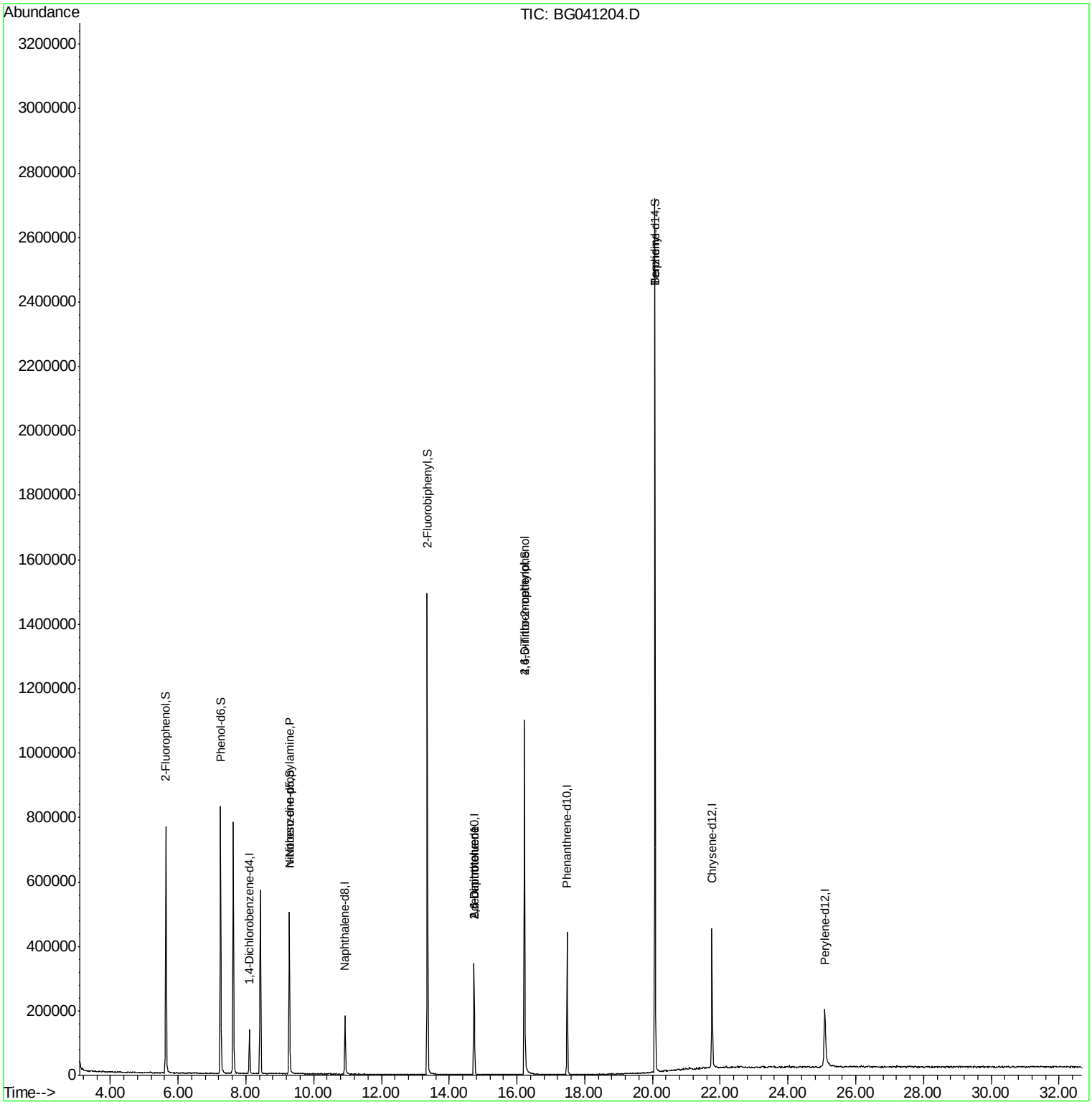
(#) = qualifier out of range (m) = manual integration (+) = signals summed

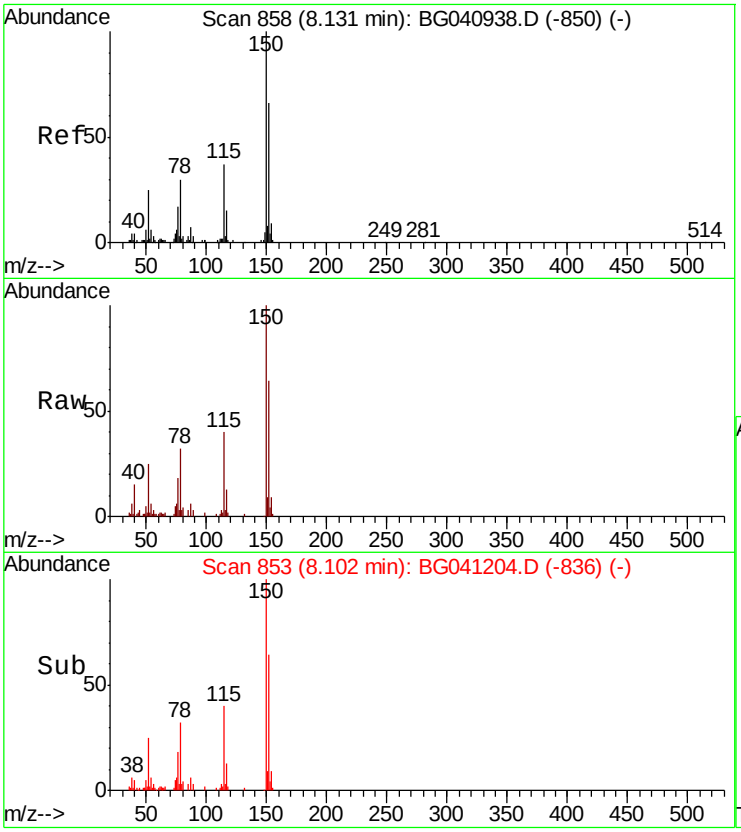
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
Data File : BG041204.D
Acq On : 12 Jun 2019 13:45
Operator : HP/JU
Sample : PB120526BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Quant Time: Jun 13 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration



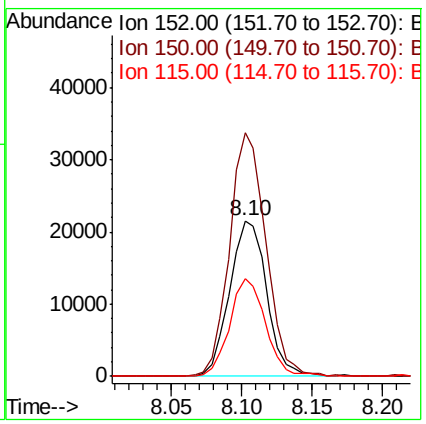


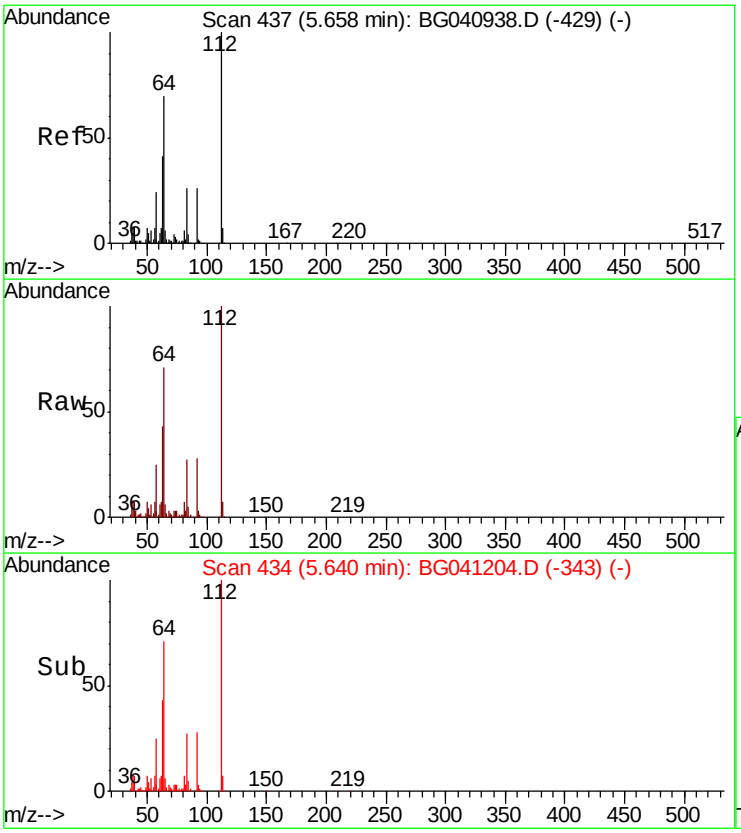

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:152 Resp: 39362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 120.6 | 180.8 |
| 115 | 62.4 | 45.1 | 67.7 |

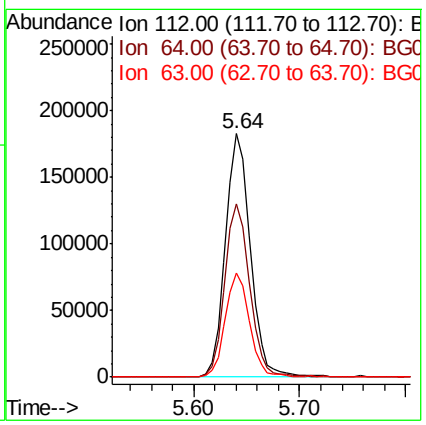


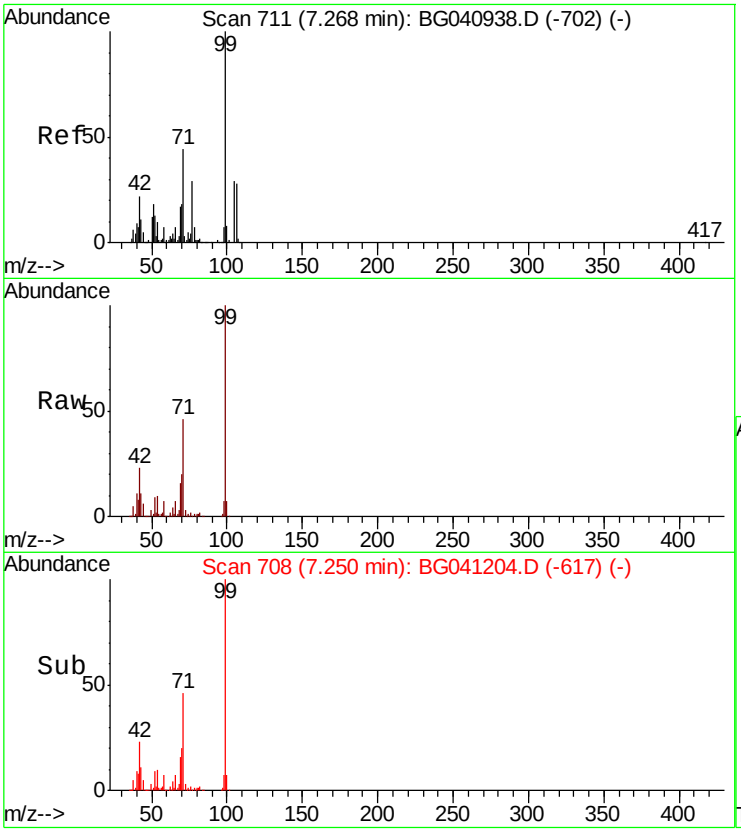




#5
2-Fluorophenol
Concen: 136.506 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:112 Resp: 297977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.3 | 56.2 | 84.2 |
| 63 | 42.6 | 32.8 | 49.2 |



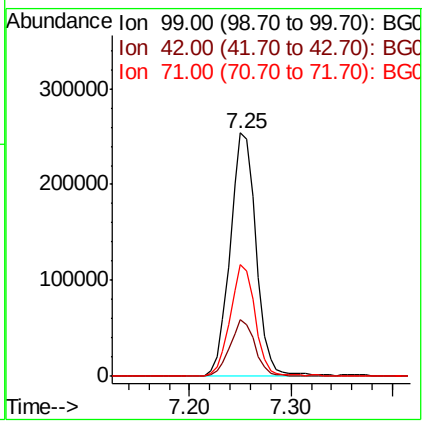


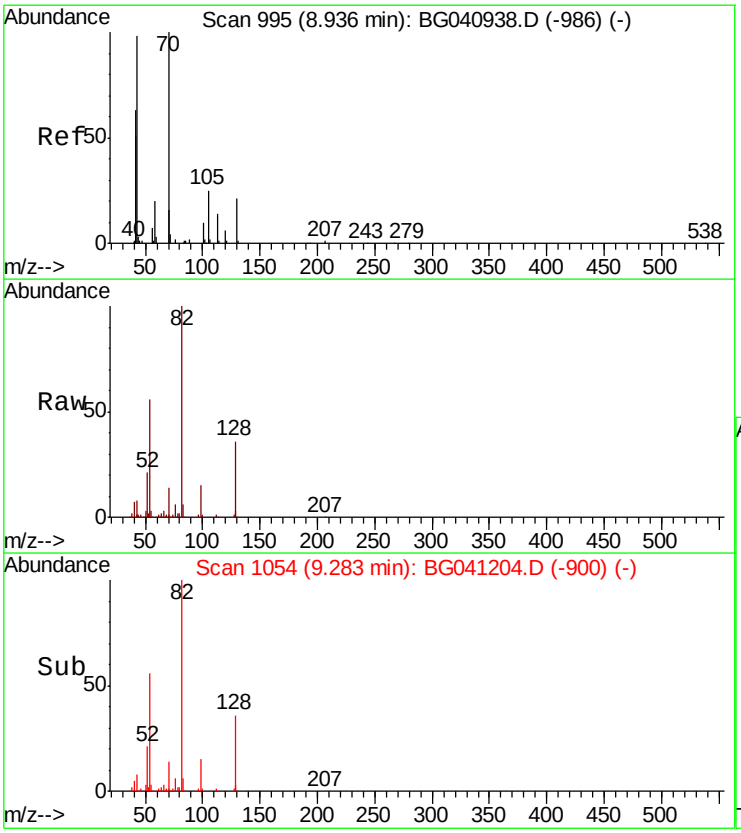

#7
Phenol-d6
Concen: 134.514 ng
RT: 7.25 min Scan# 708
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion: 99 Resp: 453477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 17.9 | 26.9 |
| 71 | 46.0 | 35.4 | 53.0 |

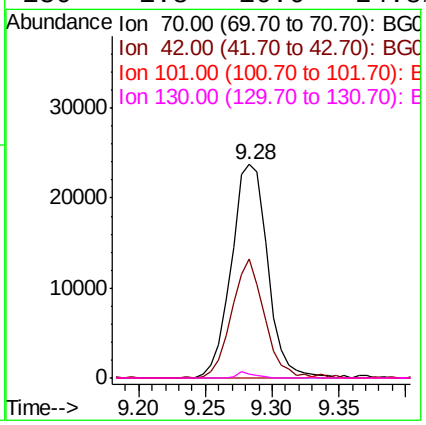


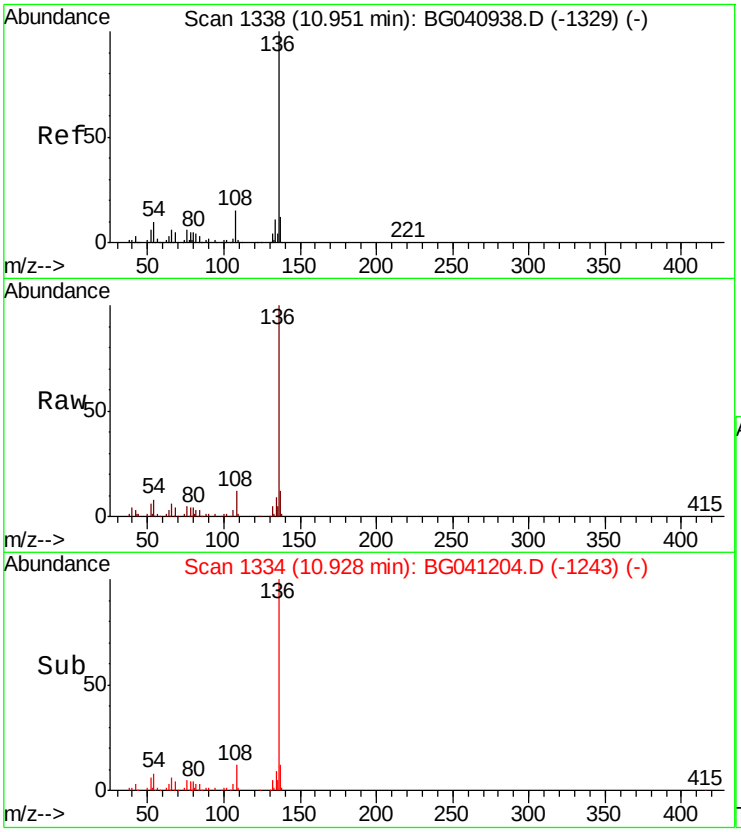




#19
n-Nitroso-di-n-propylamine
Concen: 17.237 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.37 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion: 70 Resp: 44720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.5 | 51.5 | 77.3 |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 1.8 | 16.6 | 24.8# |



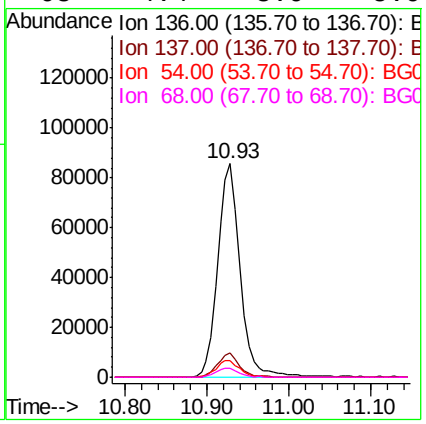


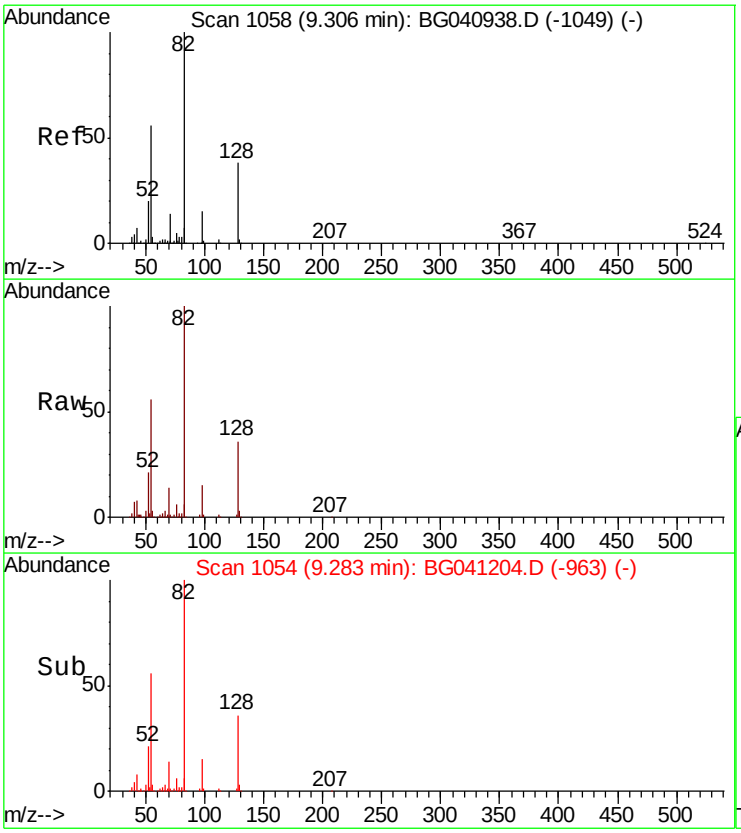

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:136 Resp: 162518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.5 | 14.3 |
| 54 | 7.9 | 7.6 | 11.4 |
| 68 | 4.4 | 3.9 | 5.9 |

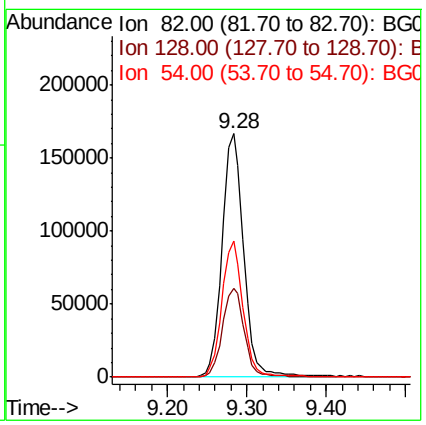


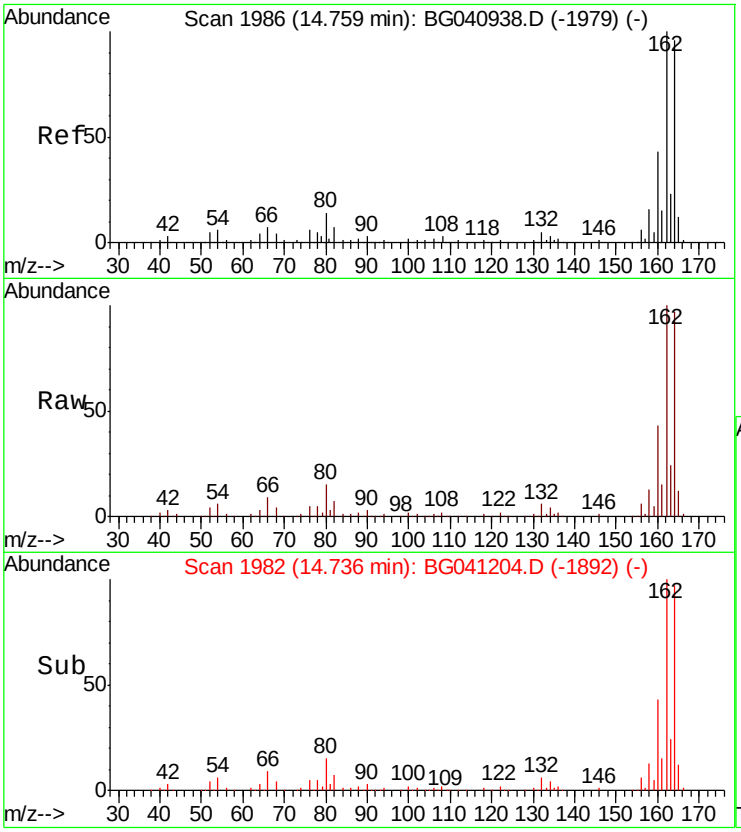




#23
Nitrobenzene-d5
Concen: 85.984 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion: 82 Resp: 314775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.5 | 30.5 | 45.7 |
| 54 | 55.7 | 44.6 | 66.8 |



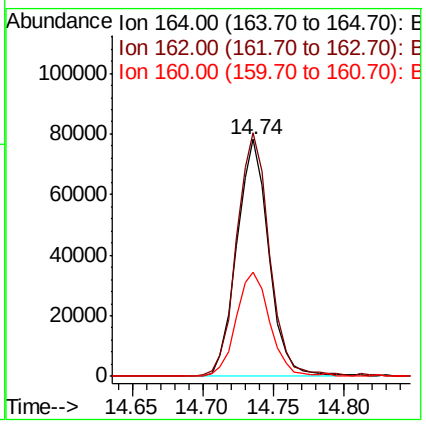


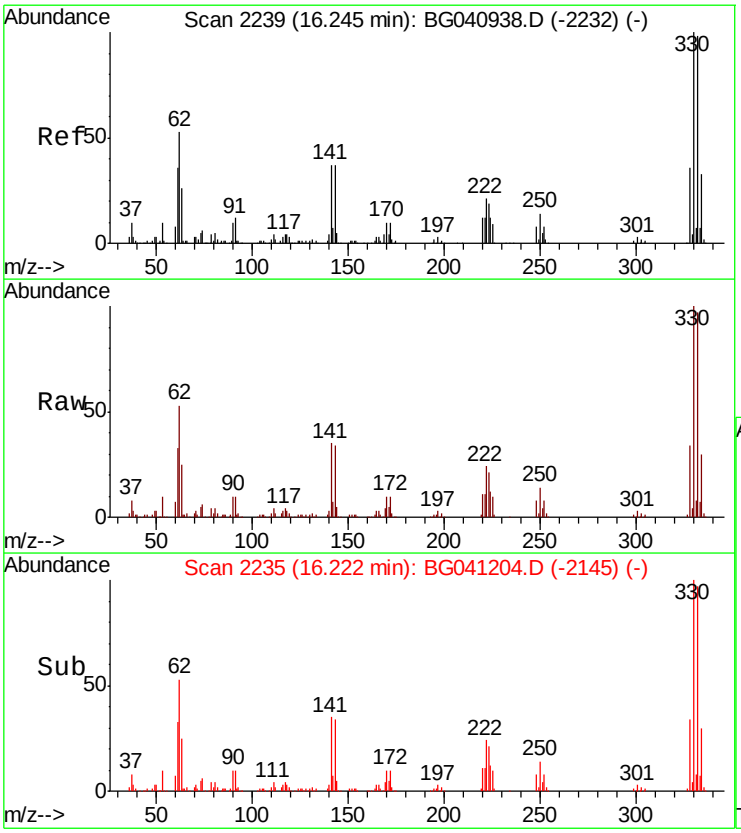

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:164 Resp: 123973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 83.0 | 124.4 |
| 160 | 43.7 | 35.6 | 53.4 |

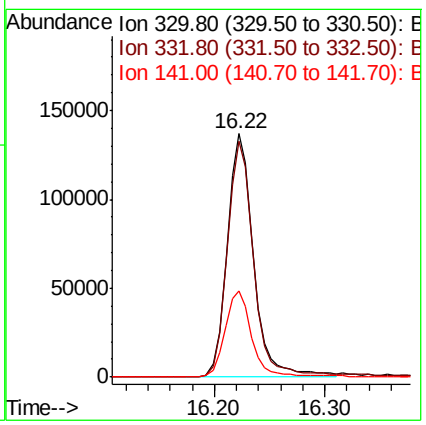


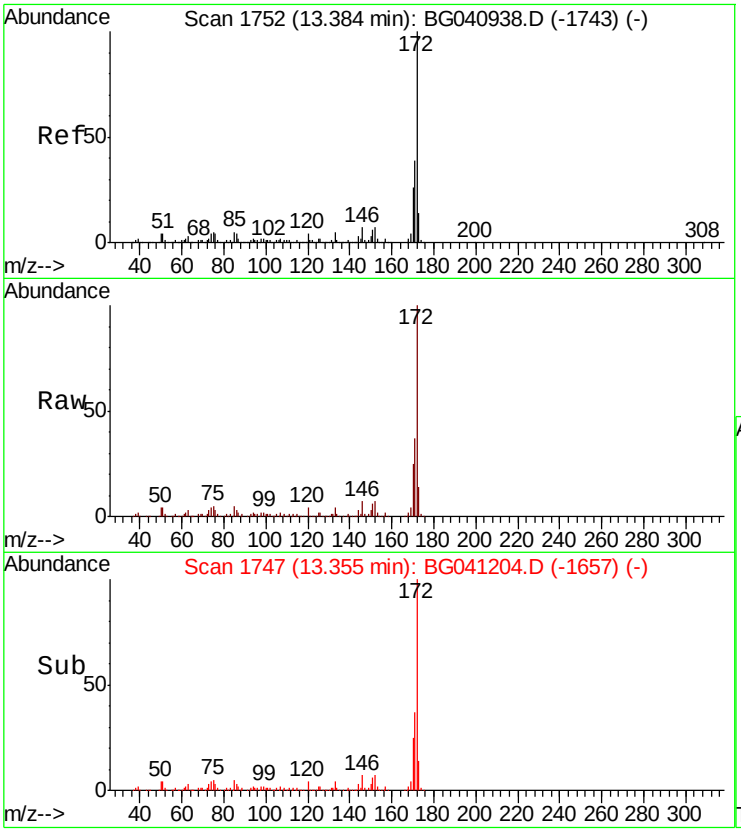




#42
2,4,6-Tribromophenol
Concen: 124.680 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:330 Resp: 229469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.9 | 78.5 | 117.7 |
| 141 | 35.8 | 28.7 | 43.1 |



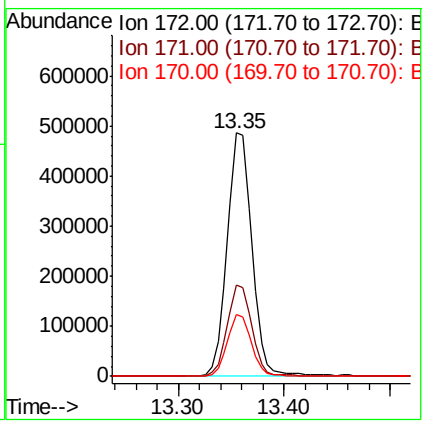


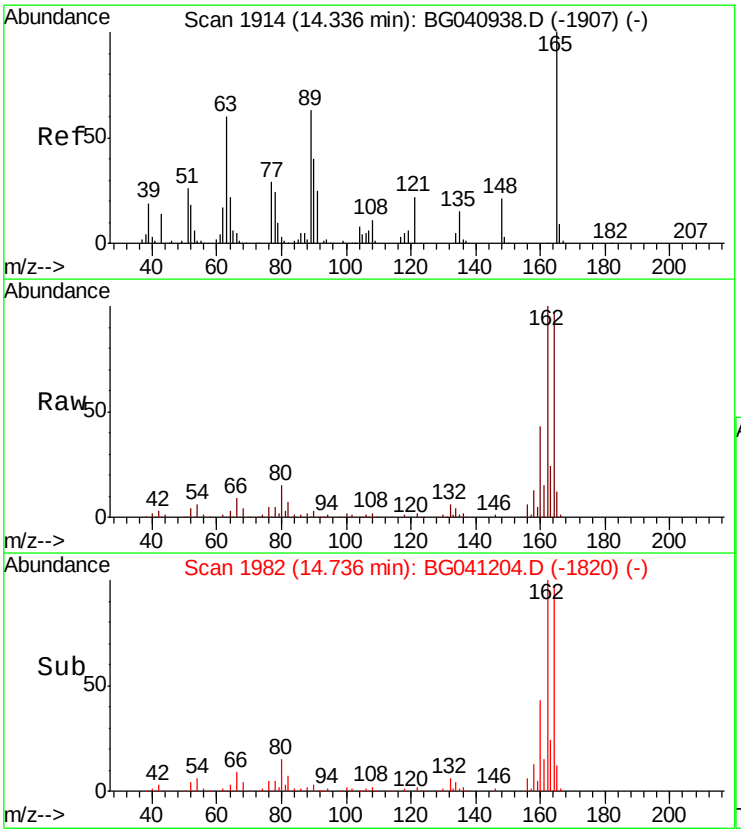

#45
2-Fluorobiphenyl
Concen: 91.271 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:172 Resp: 785719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.4 | 31.1 | 46.7 |
| 170 | 25.4 | 20.5 | 30.7 |

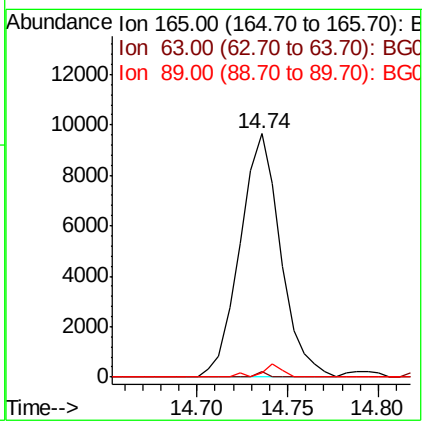


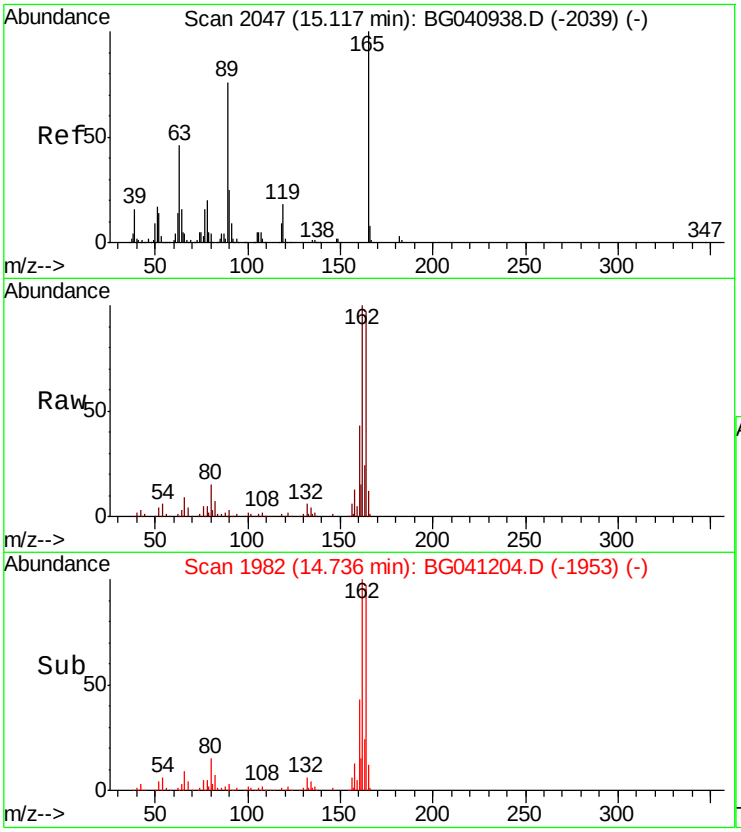




#51
2,6-Dinitrotoluene
Concen: 6.648 ng
RT: 14.74 min Scan# 1982
Delta R.T. 0.42 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:165 Resp: 15042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.4 | 53.6 | 80.4# |
| 89 | 1.8 | 50.4 | 75.6# |



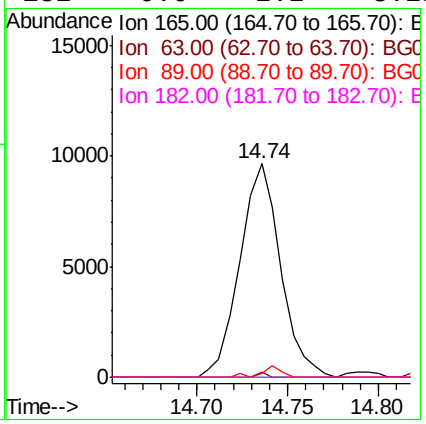


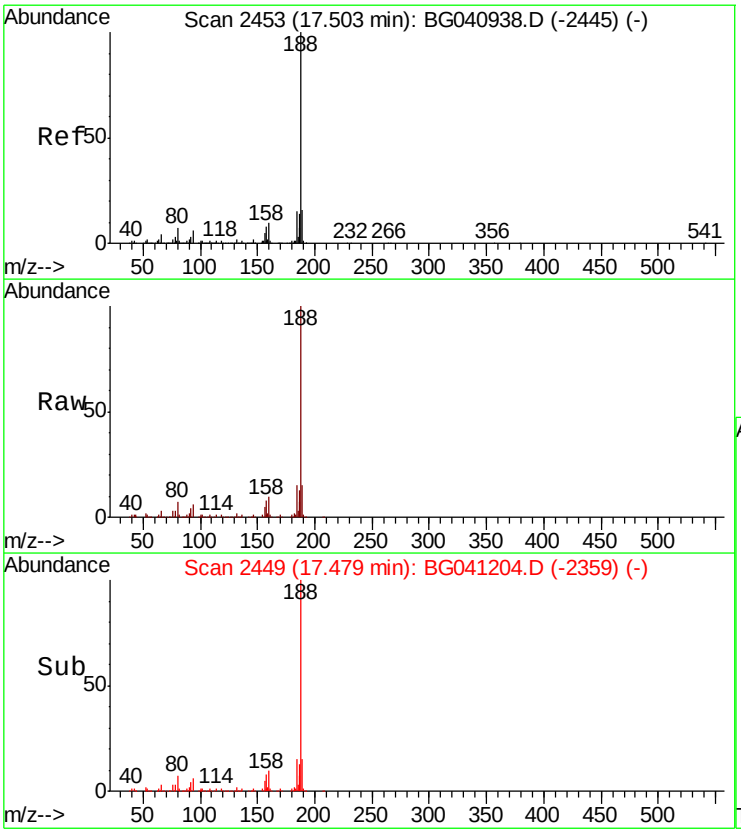

#57
2,4-Dinitrotoluene
Concen: 4.706 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.36 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:165 Resp: 15042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.4 | 37.3 | 55.9# |
| 89 | 1.8 | 61.0 | 91.6# |
| 182 | 0.0 | 2.2 | 3.2# |

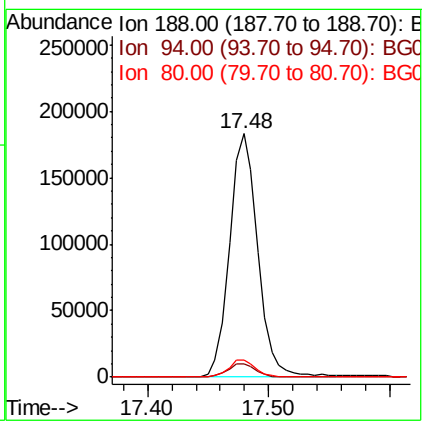


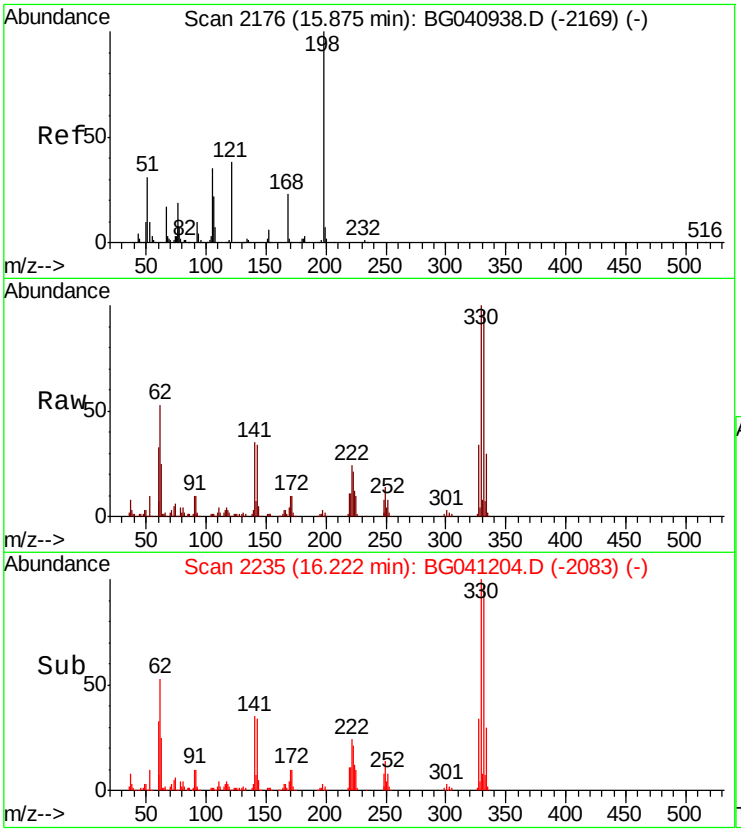




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:188 Resp: 297838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.6 | 4.7 | 7.1 |
| 80 | 7.1 | 5.8 | 8.8 |



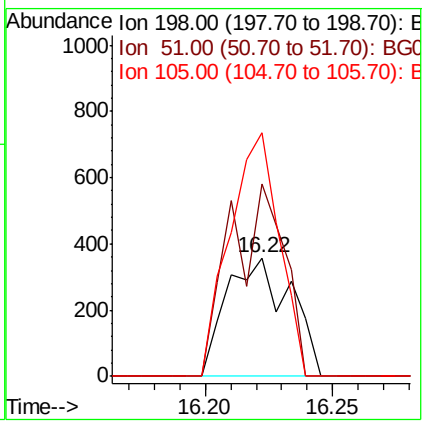


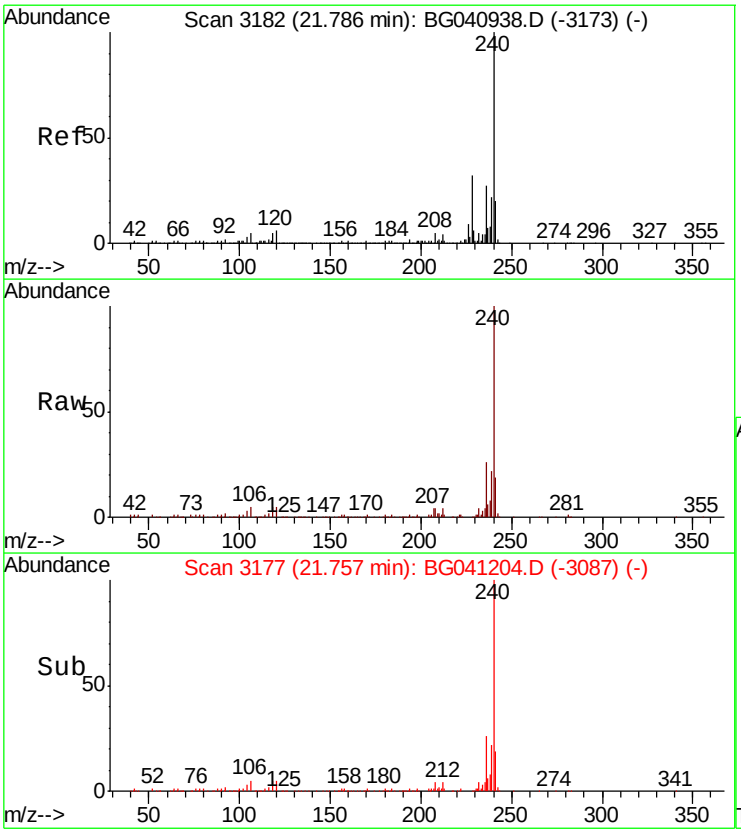

#65
4,6-Dinitro-2-methylphenol
Concen: 8.912 ng
RT: 16.22 min Scan# 2235
Delta R.T. 0.36 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:198 Resp: 627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 162.7 | 21.6 | 61.6# |
| 105 | 205.9 | 17.5 | 57.5# |

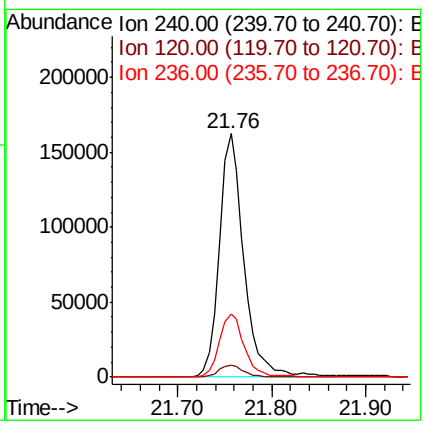


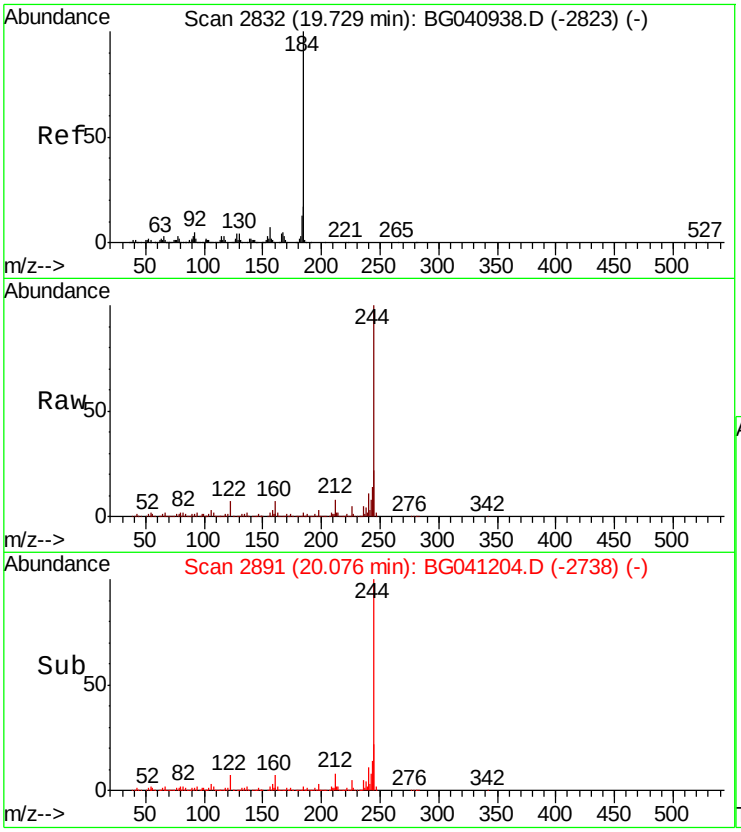




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:240 Resp: 294711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.2 | 4.5 | 6.7 |
| 236 | 25.9 | 21.3 | 31.9 |



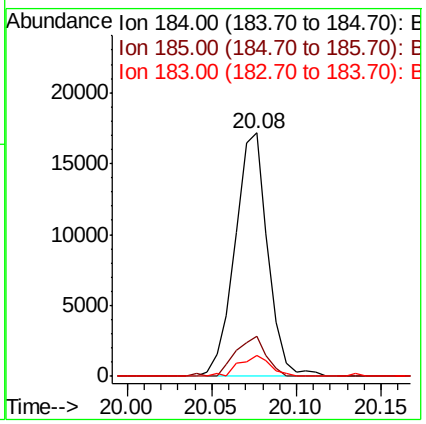


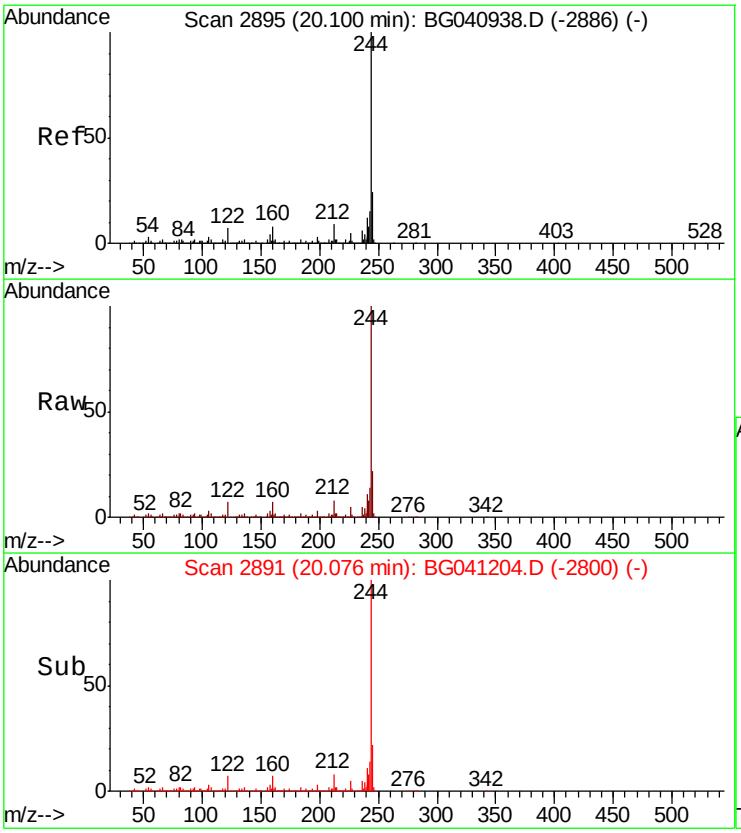

#77
Benzidine
Concen: 3.299 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:184 Resp: 23195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.3 | 13.3 | 19.9 |
| 183 | 8.8 | 10.7 | 16.1# |

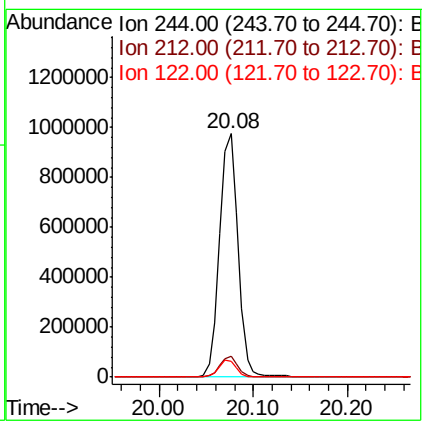


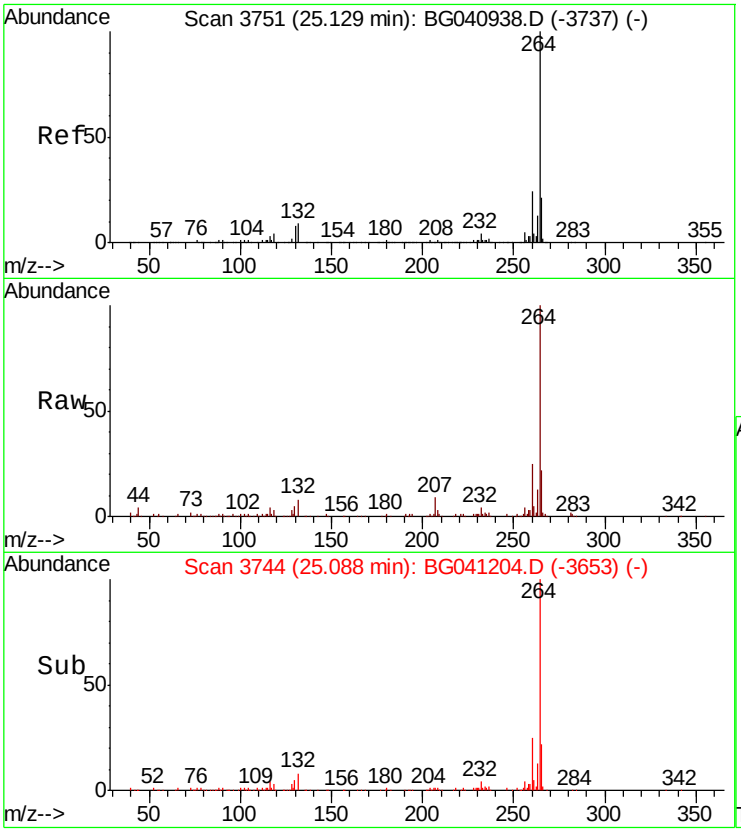




#79
Terphenyl-d14
Concen: 97.282 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

Tgt Ion:244 Resp: 1350874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 7.0 | 10.4 |
| 122 | 6.5 | 5.4 | 8.0 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG041204.D
Acq: 12 Jun 2019 13:45

**Instrument :**
BNA_G
**ClientSampleId :**
PB120526BL

Tgt Ion:264 Resp: 279574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 19.0 | 28.4 |
| 265 | 22.4 | 17.0 | 25.4 |