Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
Data File : BG040632.D
Acq On : 26 Apr 2019 16:50
Operator : JU/SJ
Sample : K2566-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S37-0013

Quant Time: Apr 27 02:03:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 53344 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.98 | 136 | 237346 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.79 | 164 | 179110 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.53 | 188 | 454318 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.82 | 240 | 443970 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.20 | 264 | 472407 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 142519 | 47.10 | ng | 0.00 |
| 7) Phenol-d6 | 7.28 | 99 | 132053 | 28.34 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 9.34 | 82 | 391641 | 76.24 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.27 | 330 | 285024 | 115.77 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.41 | 172 | 869230 | 70.09 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1621491 | 80.91 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.30 | 77 | 626 | Below Cal | # | 6 |
| 19) n-Nitroso-di-n-propylamine | 9.34 | 70 | 57859 | 13.795 | ng | # 75 |
| 51) 2,6-Dinitrotoluene | 14.79 | 165 | 23343 | 7.981 | ng | # 16 |
| 54) 2,4-Dinitrophenol | 15.19 | 184 | 71 | 7.054 | ng | # 21 |
| 57) 2,4-Dinitrotoluene | 14.79 | 165 | 23343 | 5.874 | ng | # 18 |
| 65) 4,6-Dinitro-2-methylphenol | 16.27 | 198 | 1083 | 7.513 | ng | # 70 |
| 67) 4-Bromophenyl-phenylether | 16.27 | 248 | 21718 | 3.837 | ng | # 1 |
| 77) Benzidine | 20.13 | 184 | 33236 | 2.734 | ng | 94 |

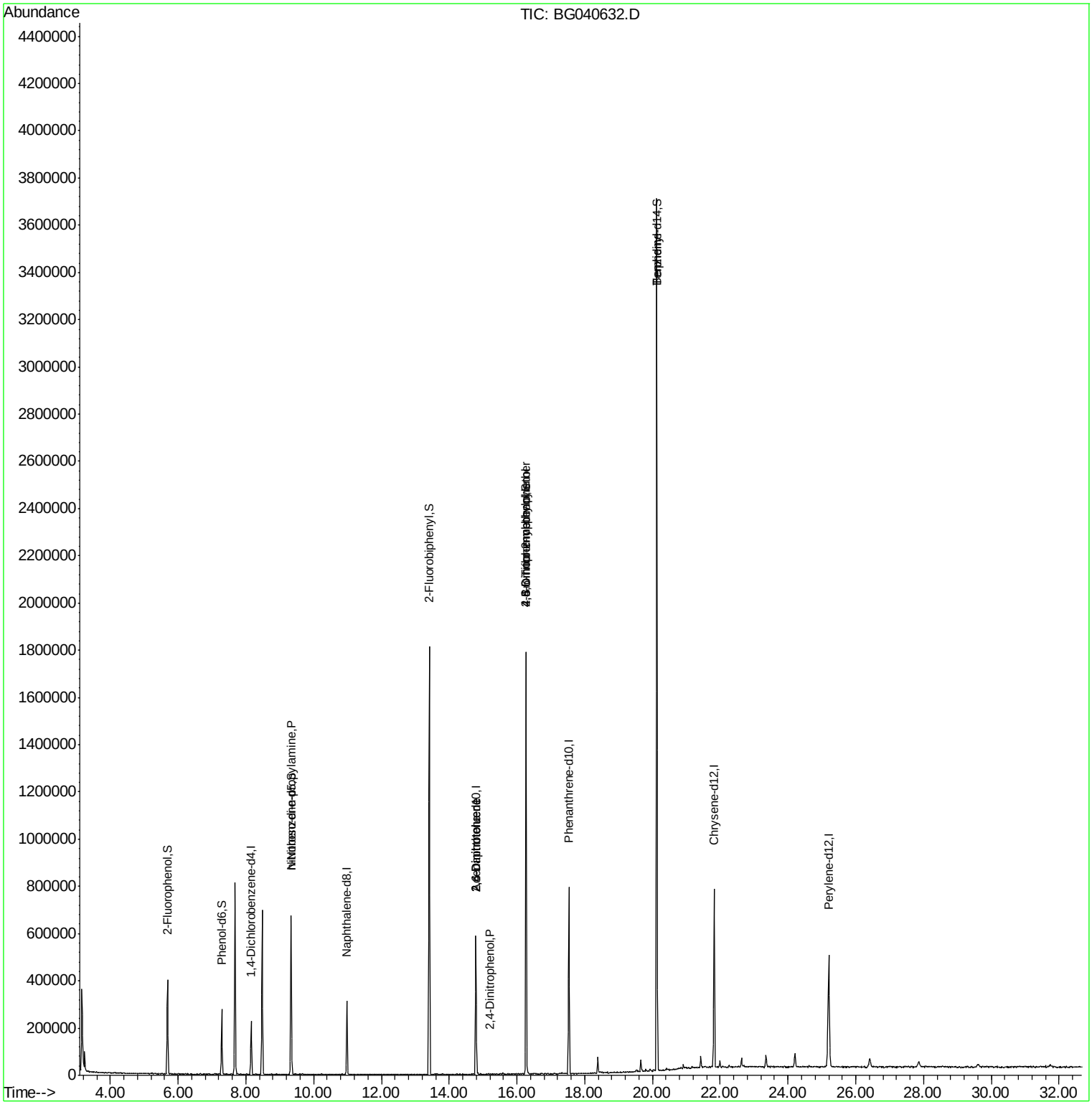
(#) = qualifier out of range (m) = manual integration (+) = signals summed

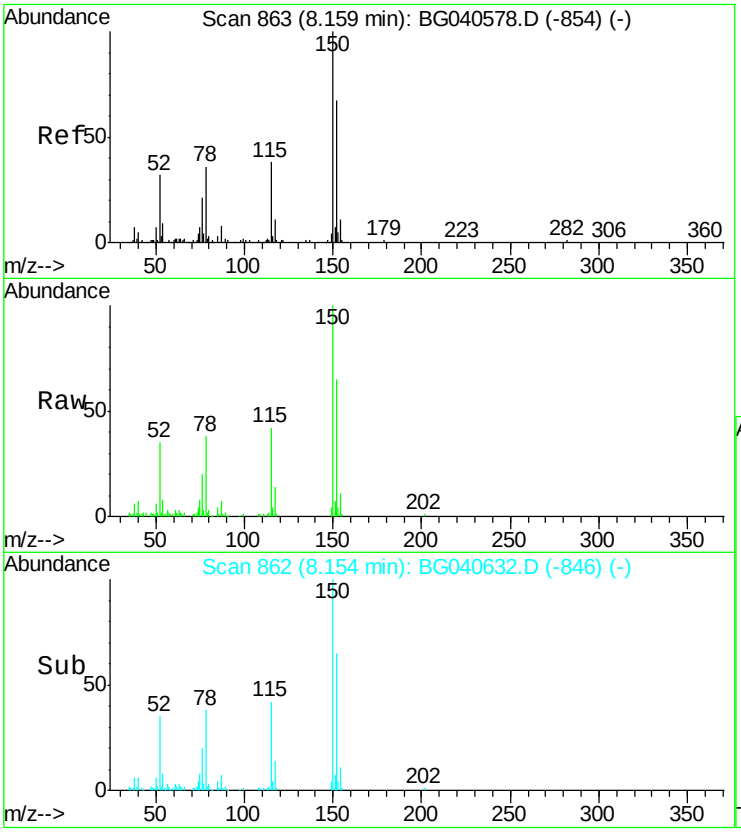
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
Data File : BG040632.D
Acq On : 26 Apr 2019 16:50
Operator : JU/SJ
Sample : K2566-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Quant Time: Apr 27 02:03:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



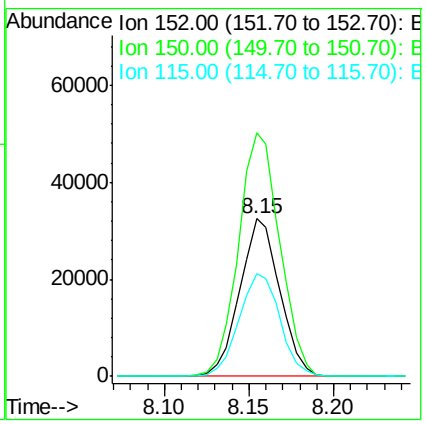


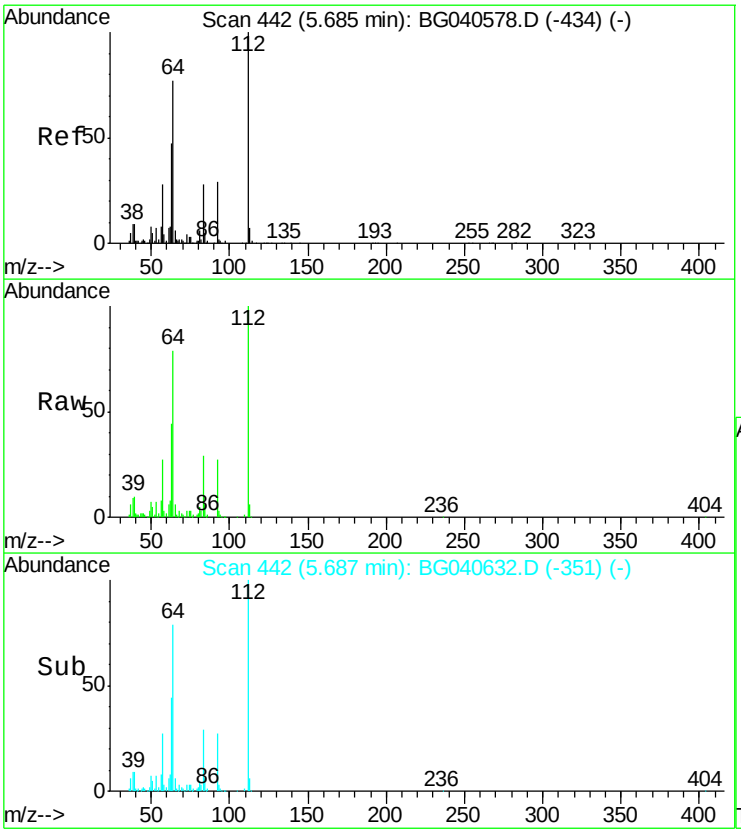

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:152 Resp: 53344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.5 | 120.2 | 180.2 |
| 115 | 65.3 | 46.2 | 69.2 |

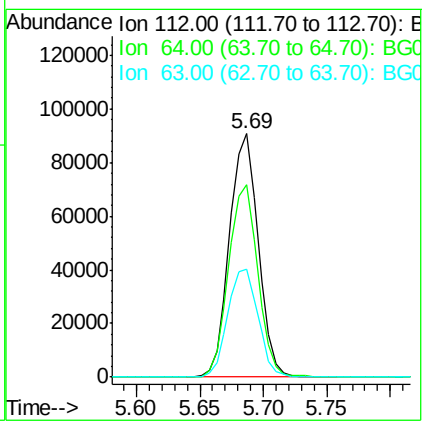


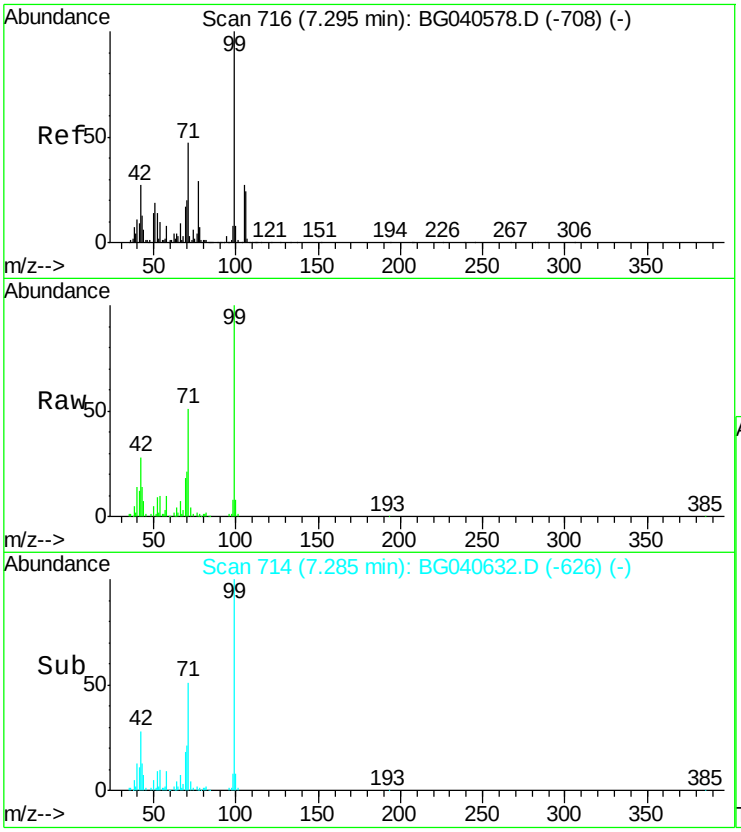




#5
2-Fluorophenol
Concen: 47.096 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:112 Resp: 142519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 79.2 | 61.4 | 92.0 |
| 63 | 44.5 | 37.8 | 56.6 |



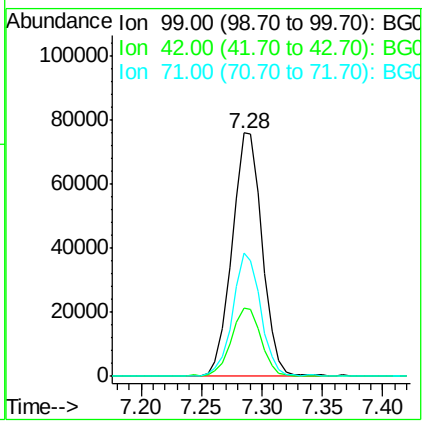


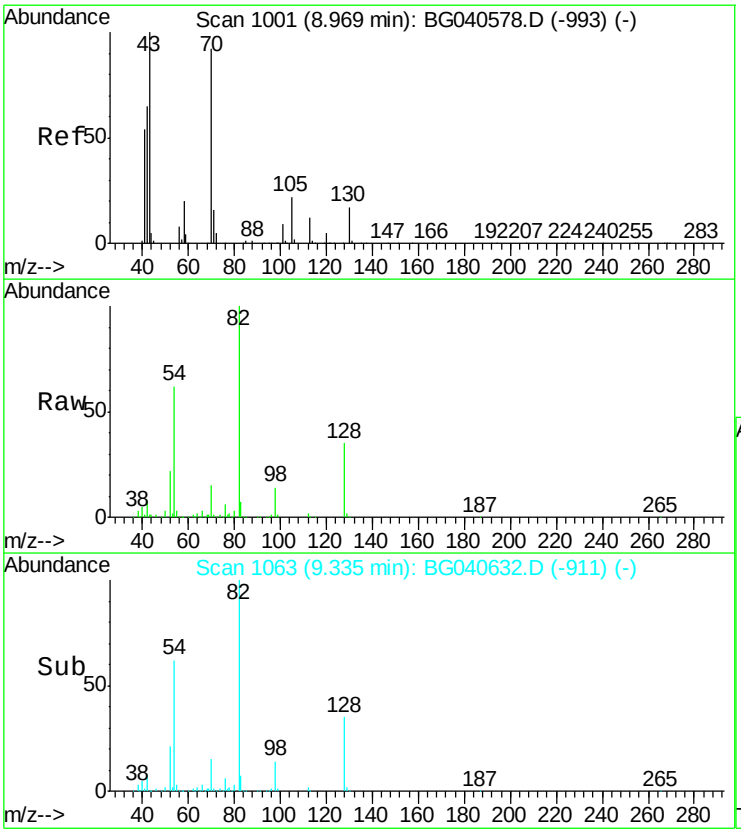

#7
Phenol-d6
Concen: 28.341 ng
RT: 7.28 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion: 99 Resp: 132053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 28.3 | 21.8 | 32.8 |
| 71 | 50.9 | 38.6 | 57.8 |

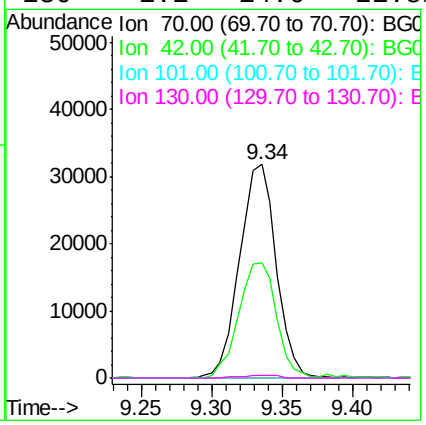


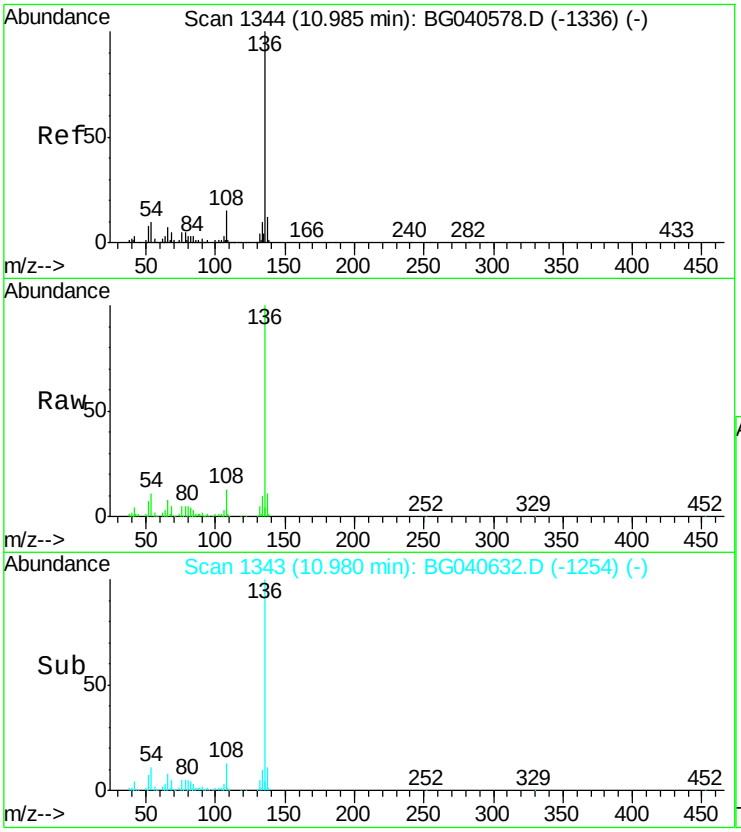




#19
n-Nitroso-di-n-propylamine
Concen: 13.795 ng
RT: 9.34 min Scan# 1063
Delta R.T. 0.37 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion: 70 Resp: 57859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 57.1 | 85.7# |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 1.1 | 14.6 | 21.8# |



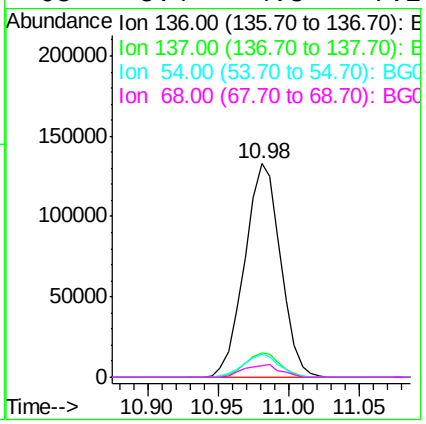


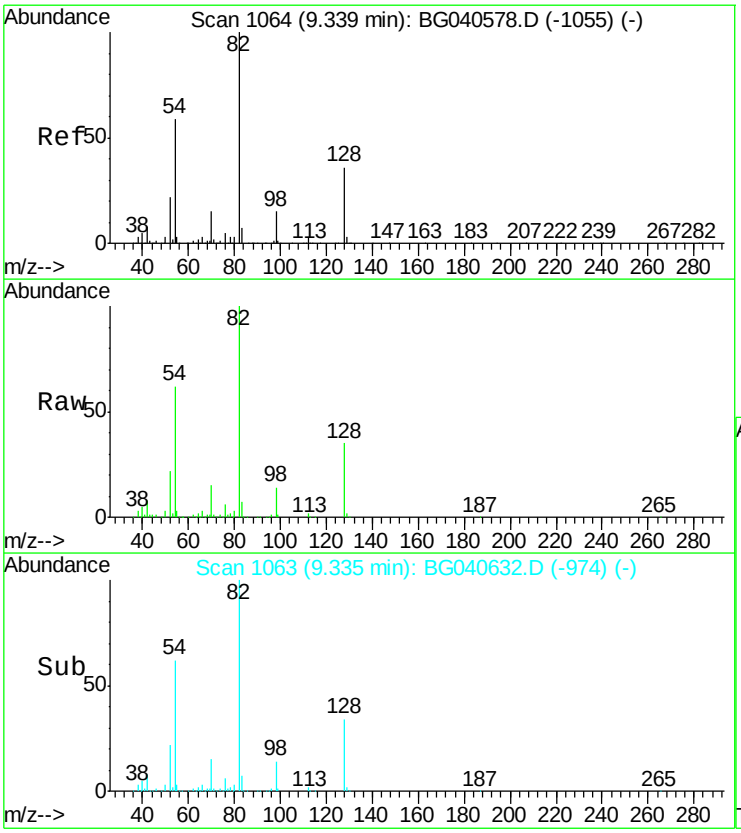

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:136 Resp: 237346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.7 | 14.5 |
| 54 | 11.1 | 8.6 | 12.8 |
| 68 | 5.4 | 4.8 | 7.2 |

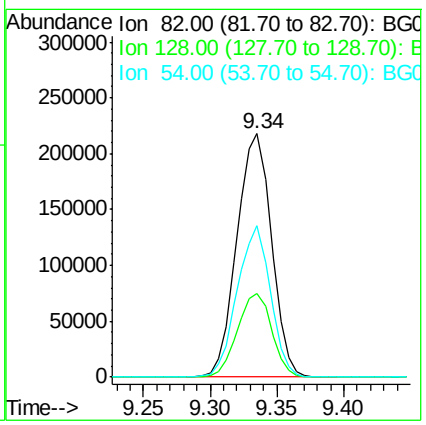


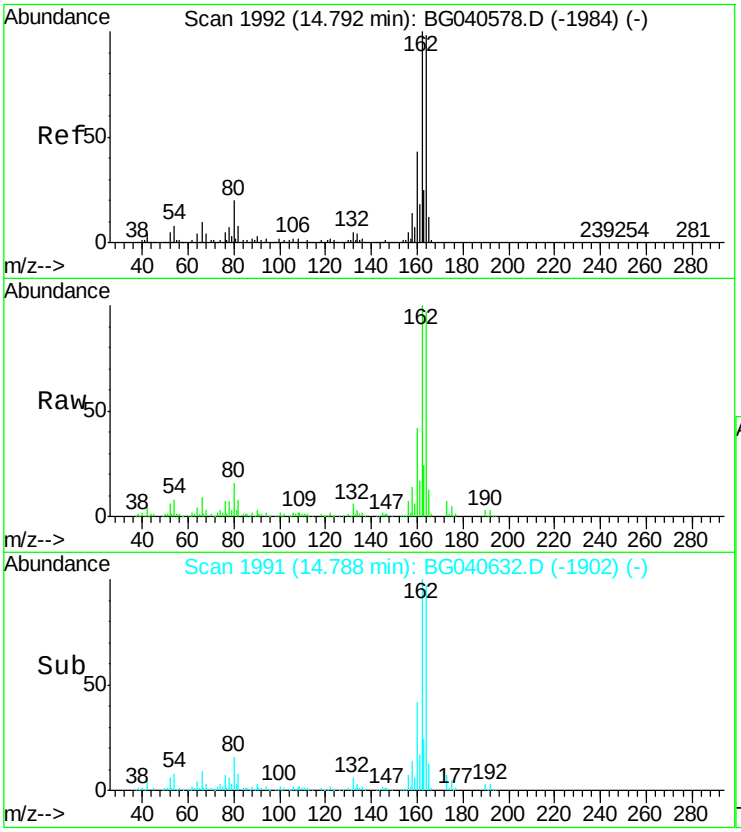




#23
Nitrobenzene-d5
Concen: 76.244 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion: 82 Resp: 391641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.6 | 28.9 | 43.3 |
| 54 | 61.9 | 47.2 | 70.8 |



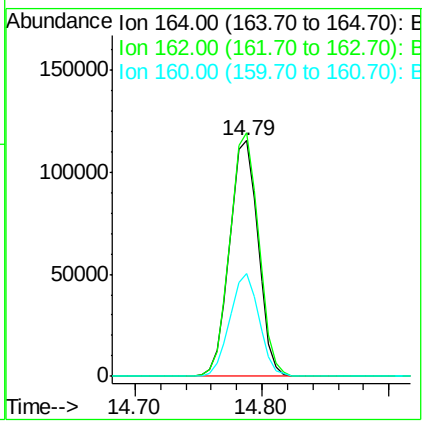


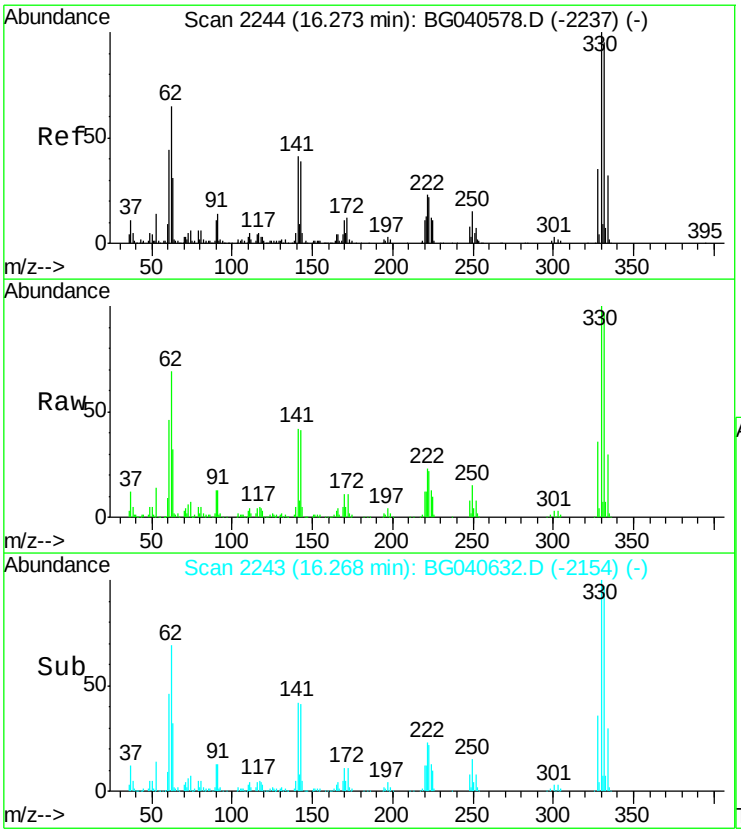

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:164 Resp: 179110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 81.9 | 122.9 |
| 160 | 43.4 | 35.4 | 53.2 |

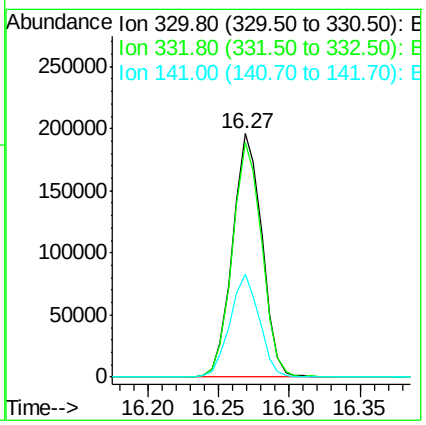


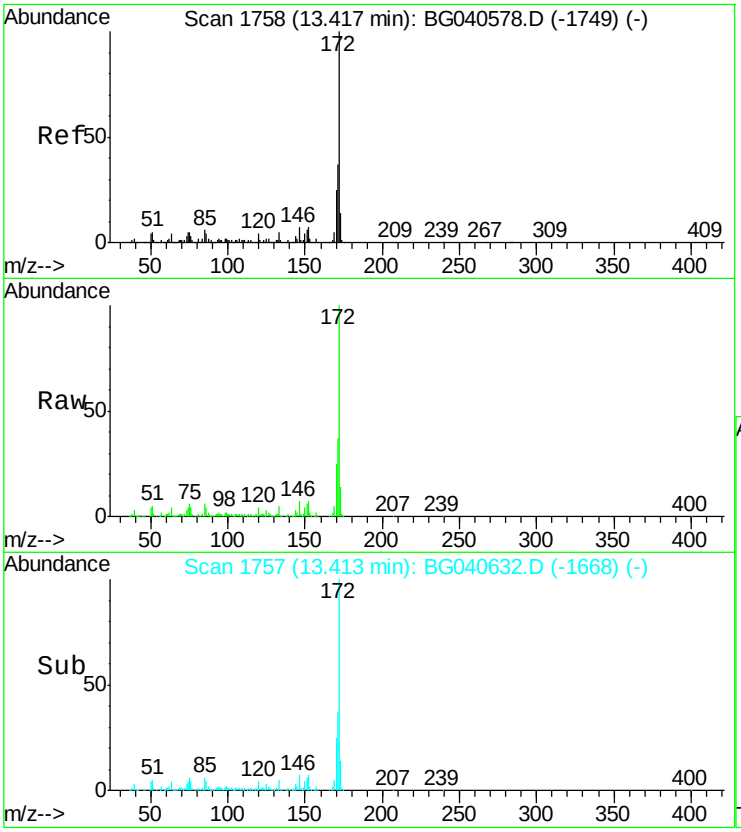




#42
2,4,6-Tribromophenol
Concen: 115.774 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:330 Resp: 285024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 75.9 | 113.9 |
| 141 | 42.1 | 32.4 | 48.6 |



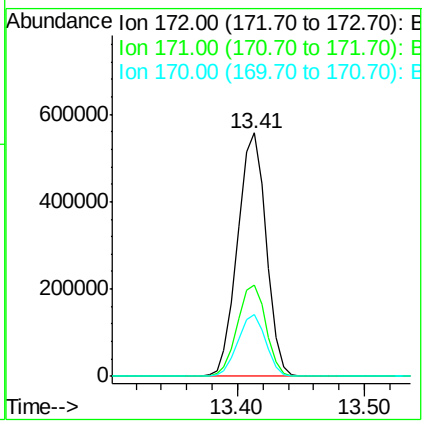


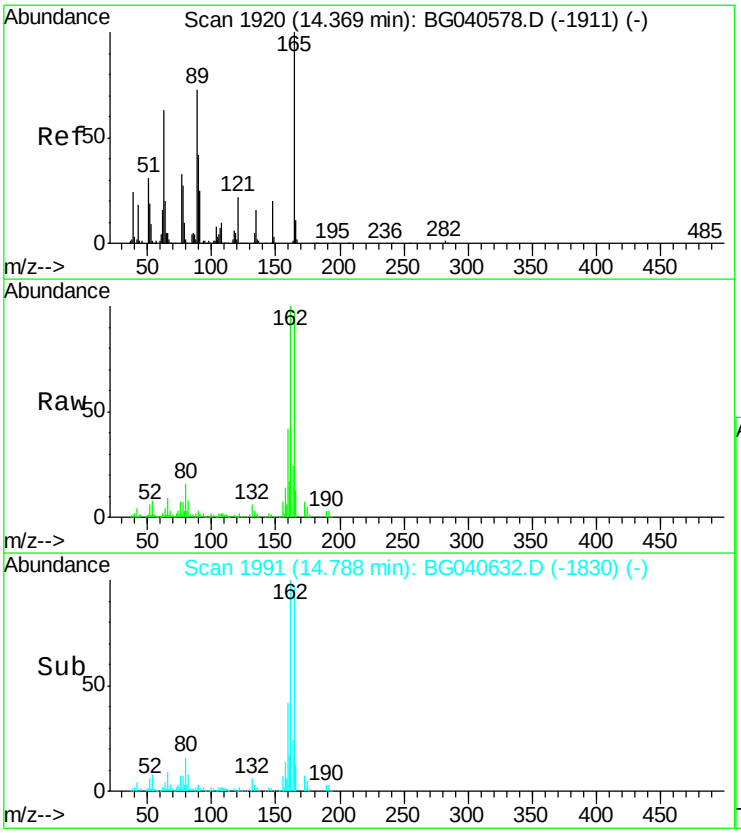

#45
2-Fluorobiphenyl
Concen: 70.088 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:172 Resp: 869230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 29.4 | 44.2 |
| 170 | 25.2 | 19.9 | 29.9 |

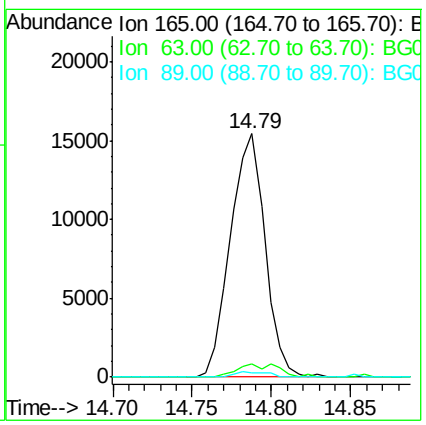


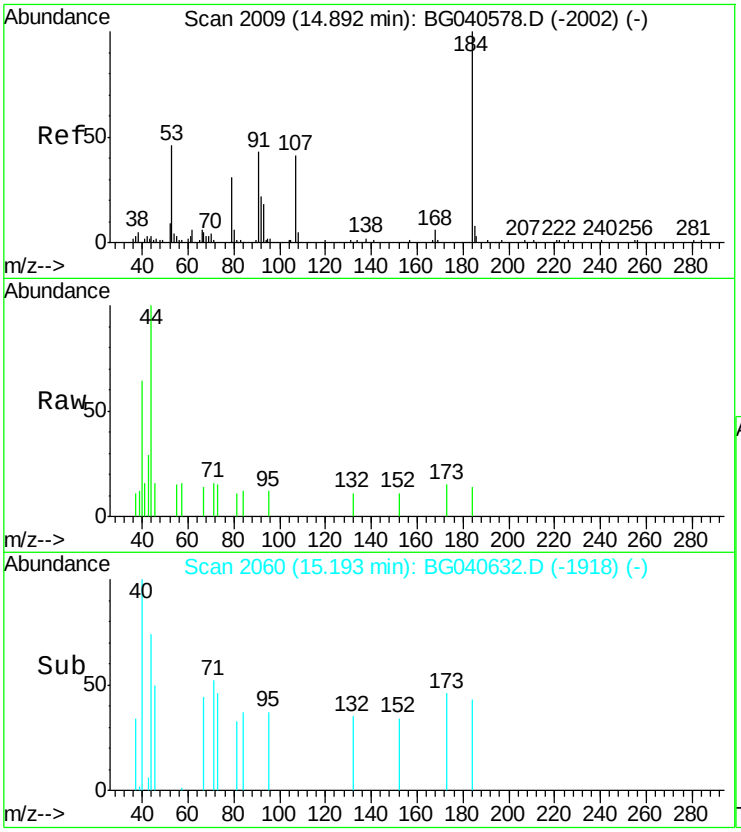




#51
2,6-Dinitrotoluene
Concen: 7.981 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:165 Resp: 23343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 5.4 | 61.0 | 91.4# |
| 89 | 1.7 | 58.6 | 87.8# |



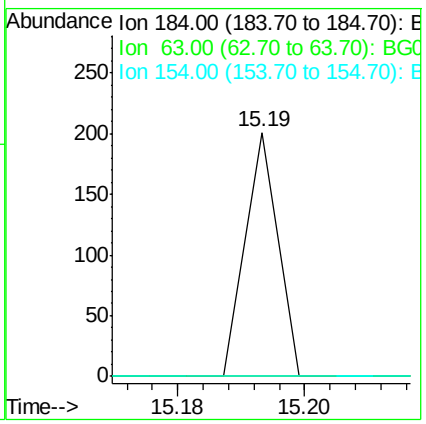


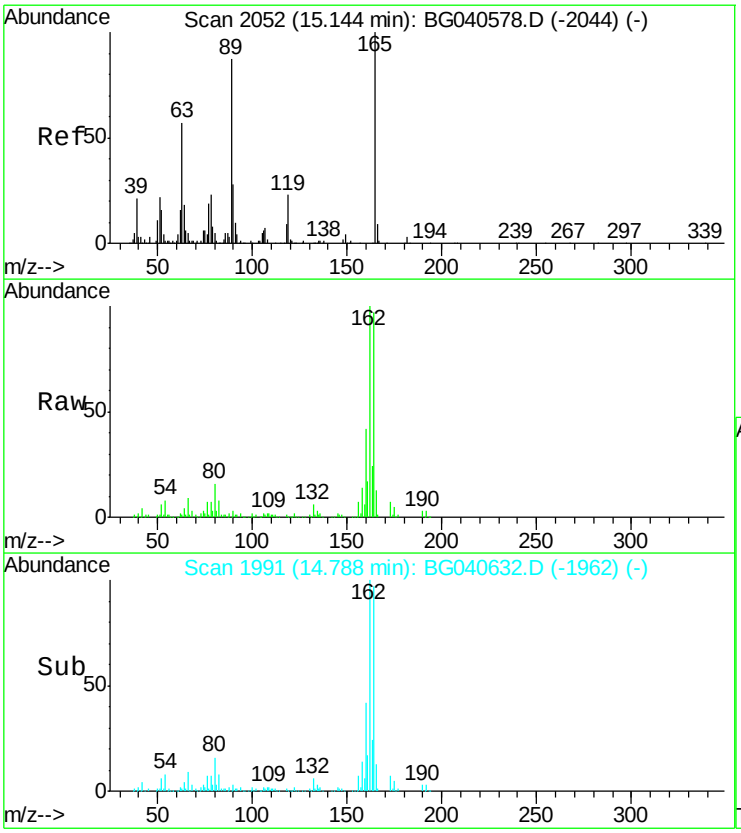

#54
2,4-Dinitrophenol
Concen: 7.054 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.30 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:184 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 51.8 | 77.6# |
| 154 | 0.0 | 43.6 | 65.4# |

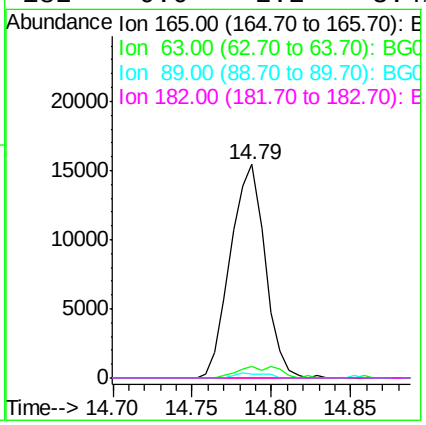


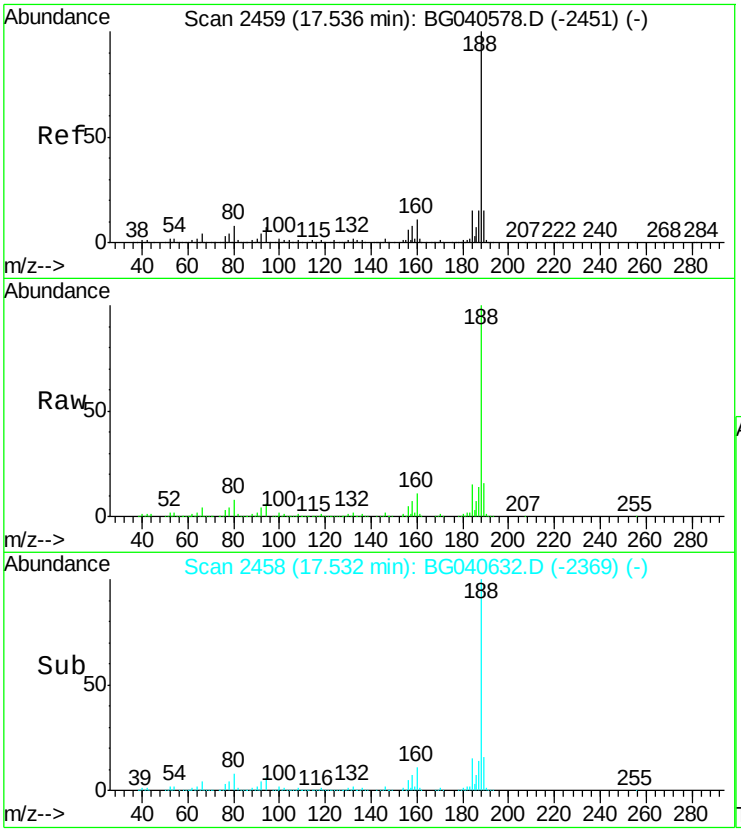




#57
2,4-Dinitrotoluene
Concen: 5.874 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:165 Resp: 23343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 5.4 | 45.8 | 68.8# |
| 89 | 1.7 | 69.4 | 104.2# |
| 182 | 0.0 | 2.2 | 3.4# |



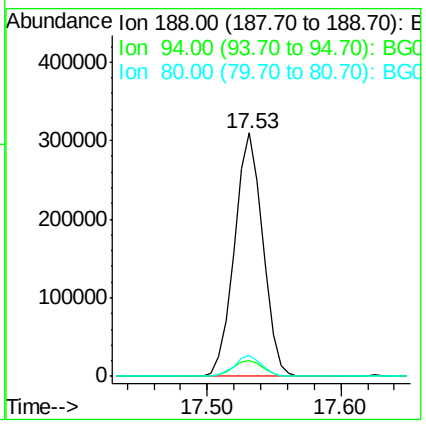


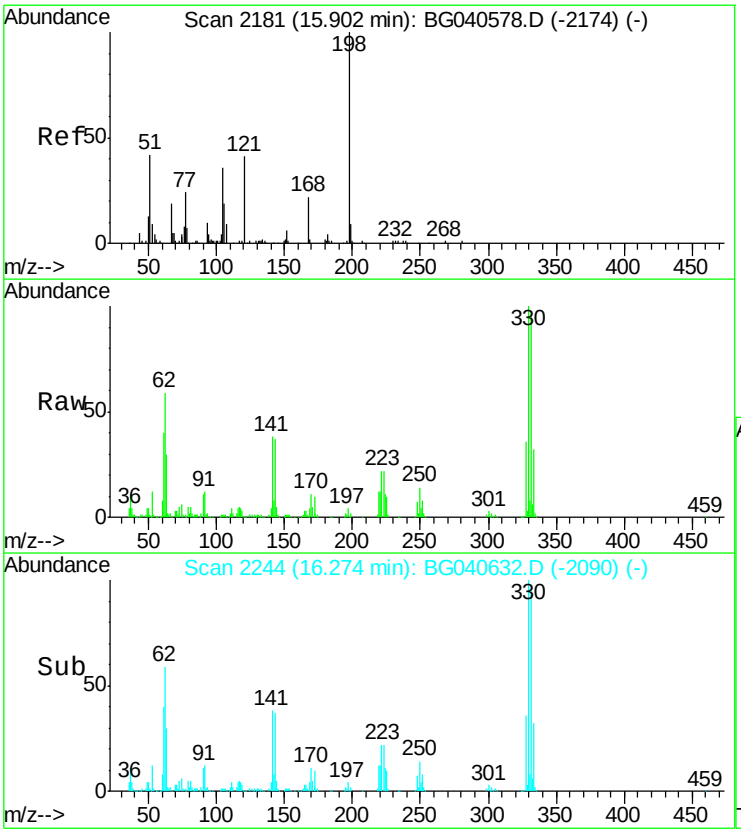

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:188 Resp: 454318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.5 | 5.6 | 8.4 |
| 80 | 8.4 | 6.4 | 9.6 |

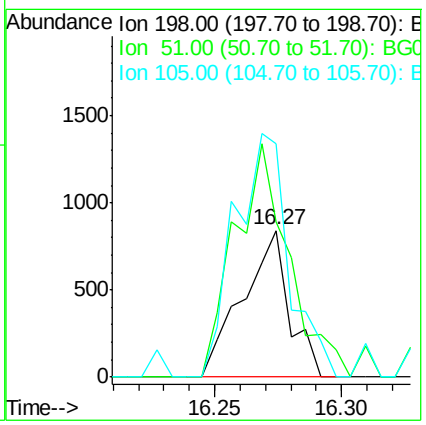


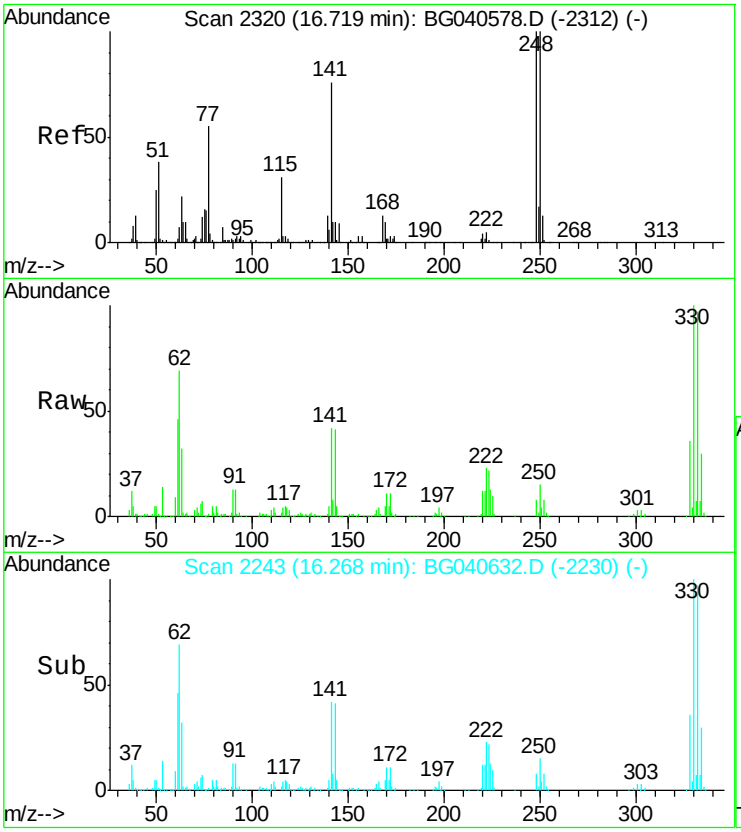




#65
4,6-Dinitro-2-methylphenol
Concen: 7.513 ng
RT: 16.27 min Scan# 2244
Delta R.T. 0.37 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:198 Resp: 1083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 23.3 | 35.9 | 75.9# |
| 105 | 35.1 | 21.2 | 61.2 |



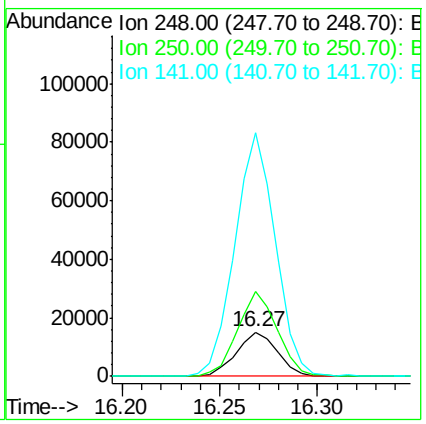


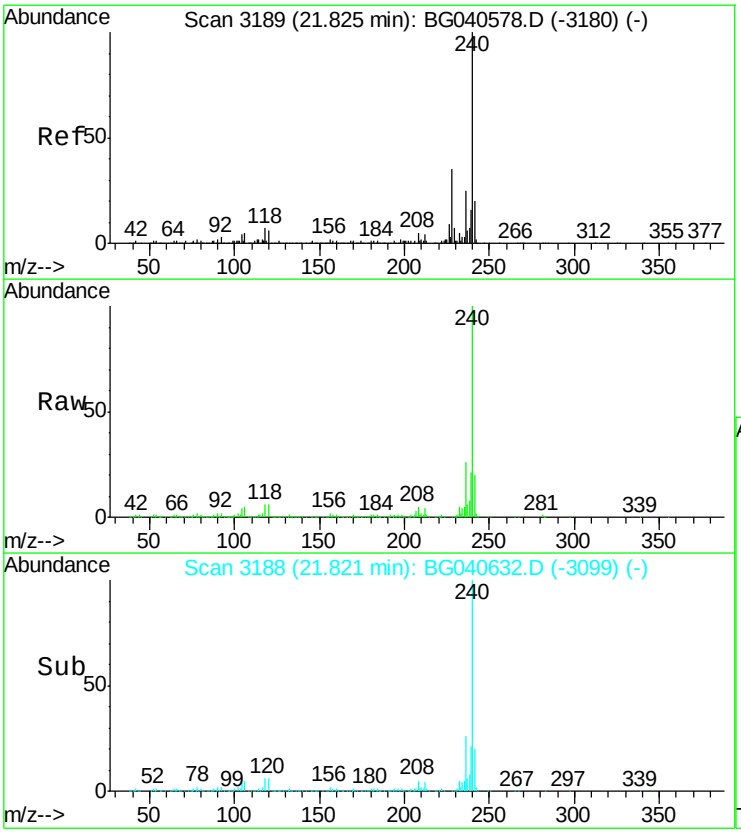

#67
4-Bromophenyl-phenylether
Concen: 3.837 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:248 Resp: 21718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 249.5 | 79.8 | 119.6# |
| 141 | 552.7 | 60.8 | 91.2# |

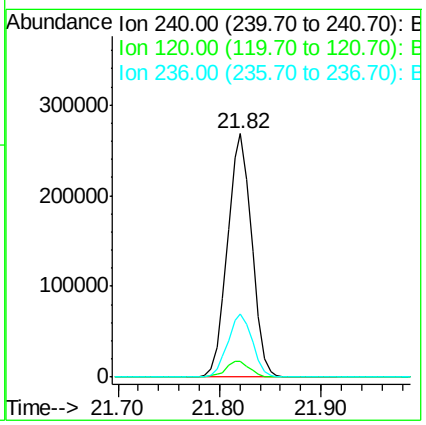


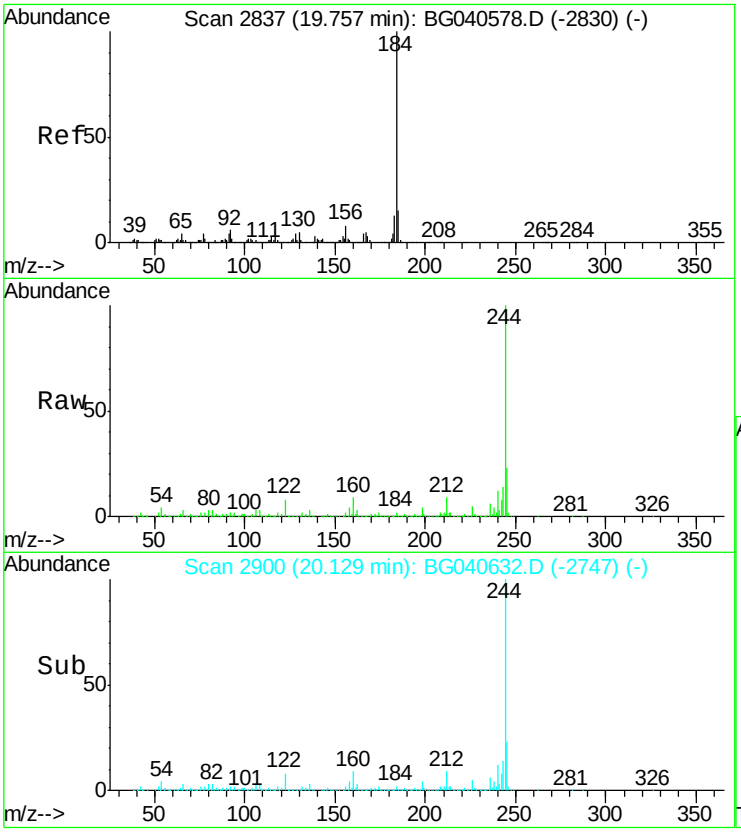




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:240 Resp: 443970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.3 | 5.0 | 7.6 |
| 236 | 26.0 | 20.3 | 30.5 |



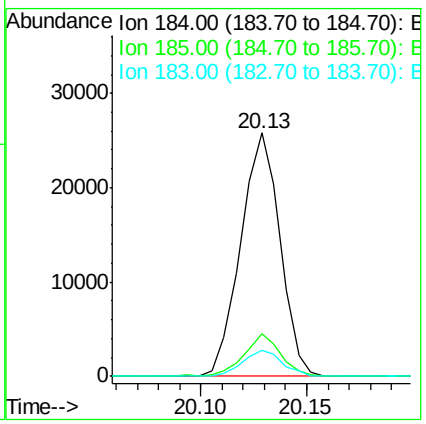


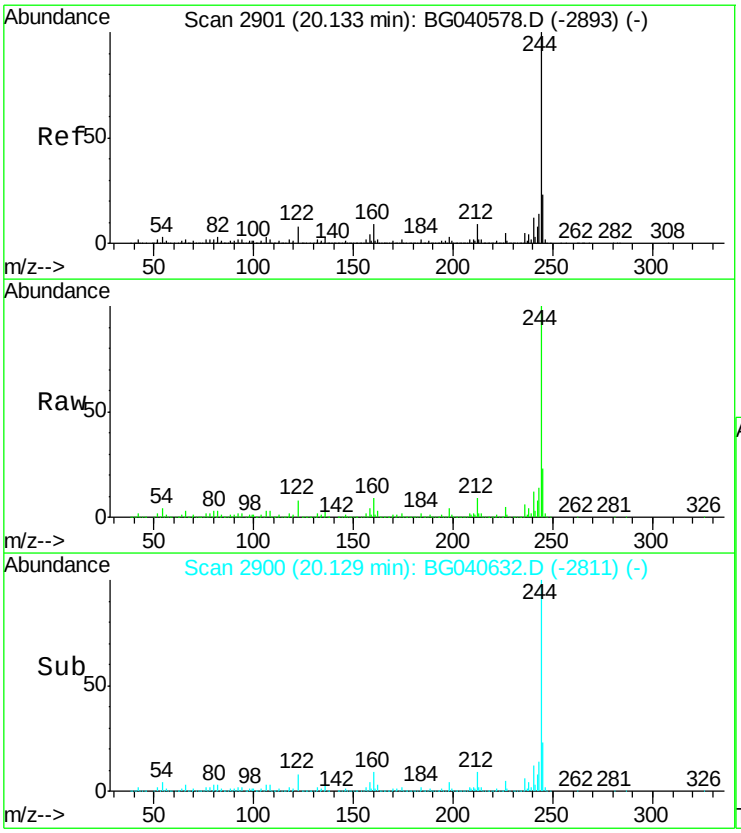

#77
Benzidine
Concen: 2.734 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:184 Resp: 33236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.6 | 11.8 | 17.8 |
| 183 | 10.5 | 10.2 | 15.2 |

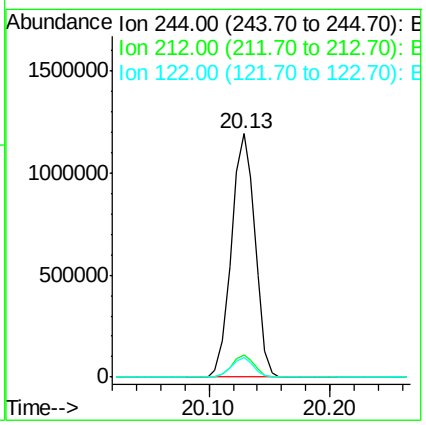


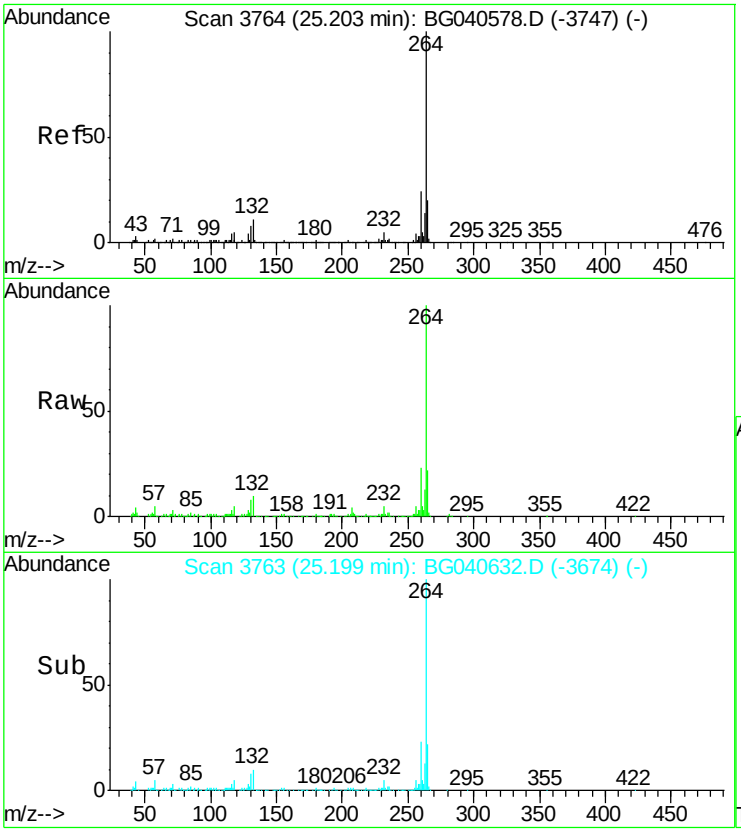




#79
Terphenyl-d14
Concen: 80.913 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:244 Resp: 1621491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.0 | 7.2 | 10.8 |
| 122 | 8.0 | 6.6 | 10.0 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

**Instrument :**
BNA_G
**ClientSampleId :**
S37-0013

Tgt Ion:264 Resp: 472407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 21.9 | 16.6 | 25.0 |