Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040319\
Data File : BN005077.D
Acq On : 04 Apr 2019 00:51
Operator : JU/SJ
Sample : K2203-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SU-03-040219-B

Quant Time: Apr 04 04:31:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 7838 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.44 | 136 | 30791 | 20.00 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.30 | 164 | 17772 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.05 | 188 | 40191 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.25 | 240 | 43877 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 23.47 | 264 | 40505 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 63189 | 139.38 | ng | -0.02 |
| 7) Phenol-d6 | 6.83 | 99 | 71736 | 119.30 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.82 | 82 | 52014 | 102.19 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.80 | 330 | 48791 | 170.22 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.92 | 172 | 137772 | 102.73 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.69 | 244 | 239713 | 105.18 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 1046 | 6.950 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 6631 | 16.822 | ng | # 73 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 2147 | 6.462 | ng | # 29 |
| 57) 2,4-Dinitrotoluene | 14.30 | 165 | 2147 | 4.755 | ng | # 27 |
| 67) 4-Bromophenyl-phenylether | 15.80 | 248 | 2834 | 5.651 | ng | # 1 |
| 77) Benzidine | 19.69 | 184 | 2776 | 2.030 | ng | # 83 |

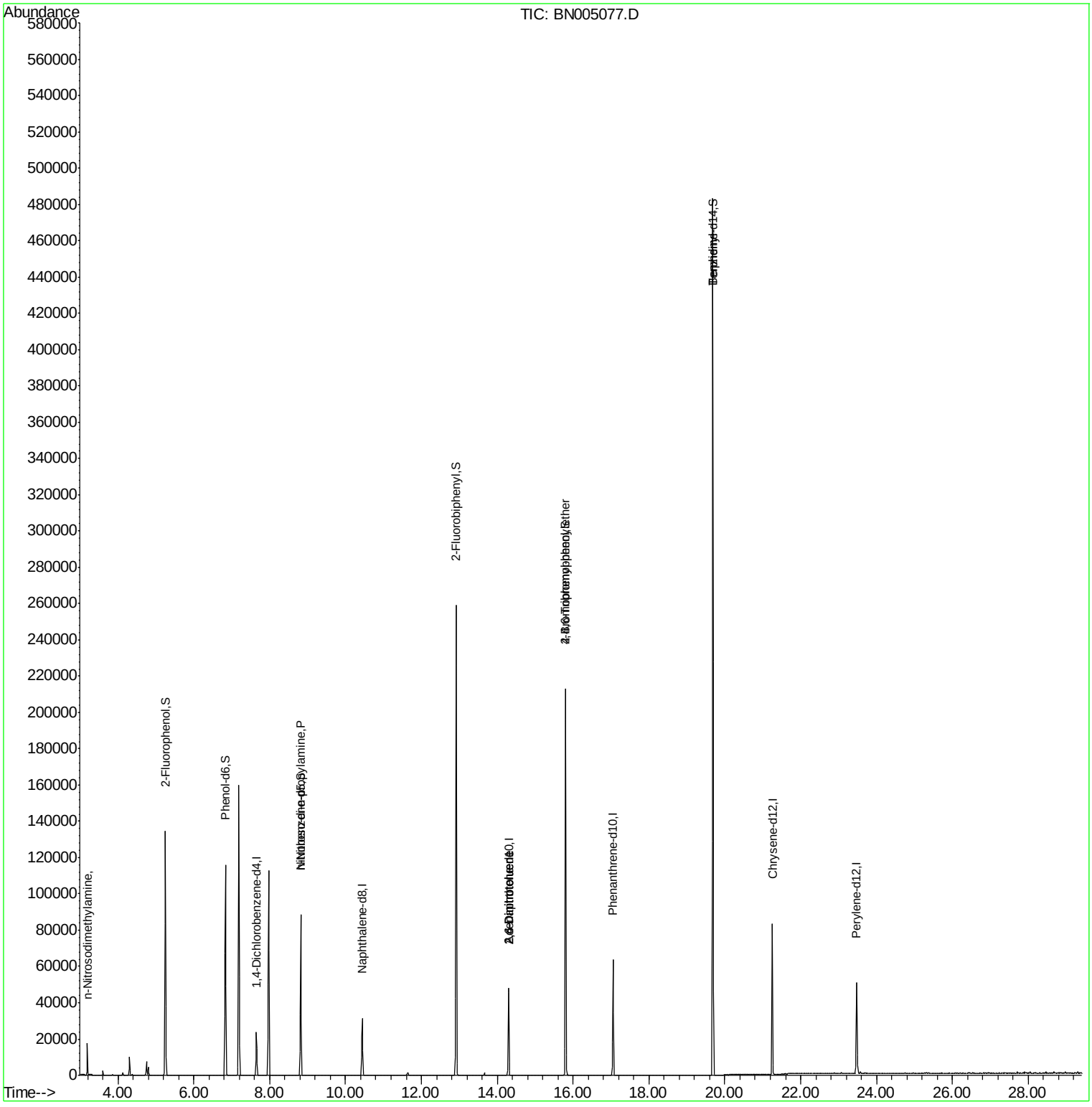
(#) = qualifier out of range (m) = manual integration (+) = signals summed

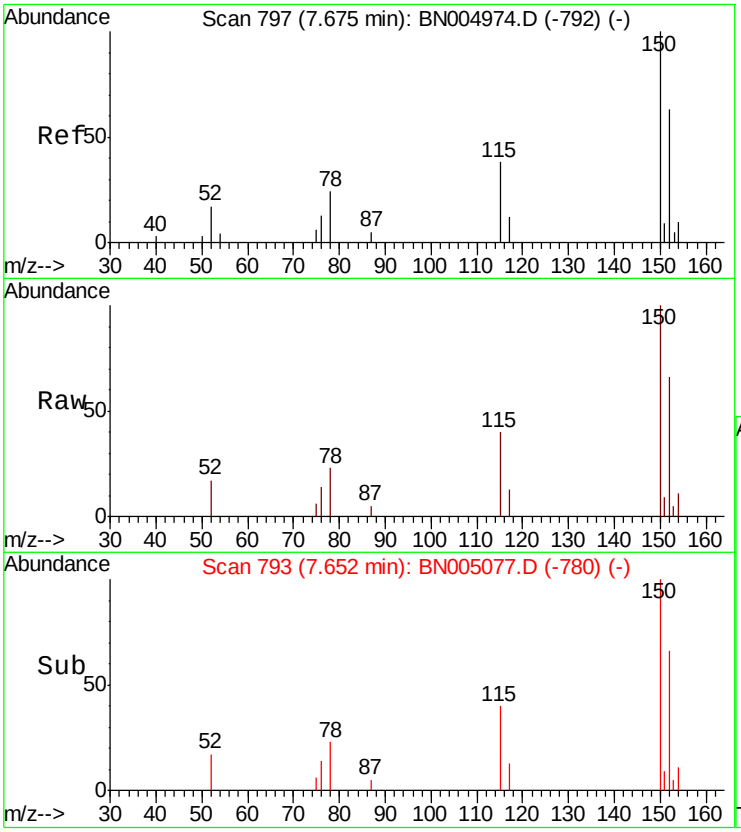
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040319\
Data File : BN005077.D
Acq On : 04 Apr 2019 00:51
Operator : JU/SJ
Sample : K2203-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Quant Time: Apr 04 04:31:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration



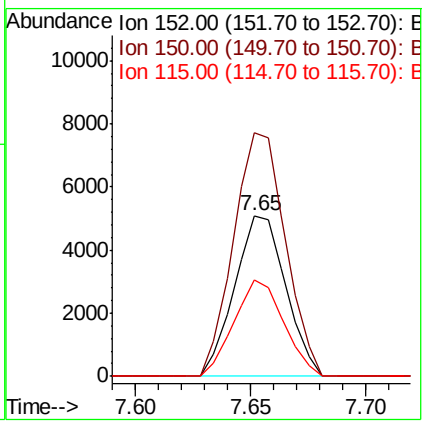


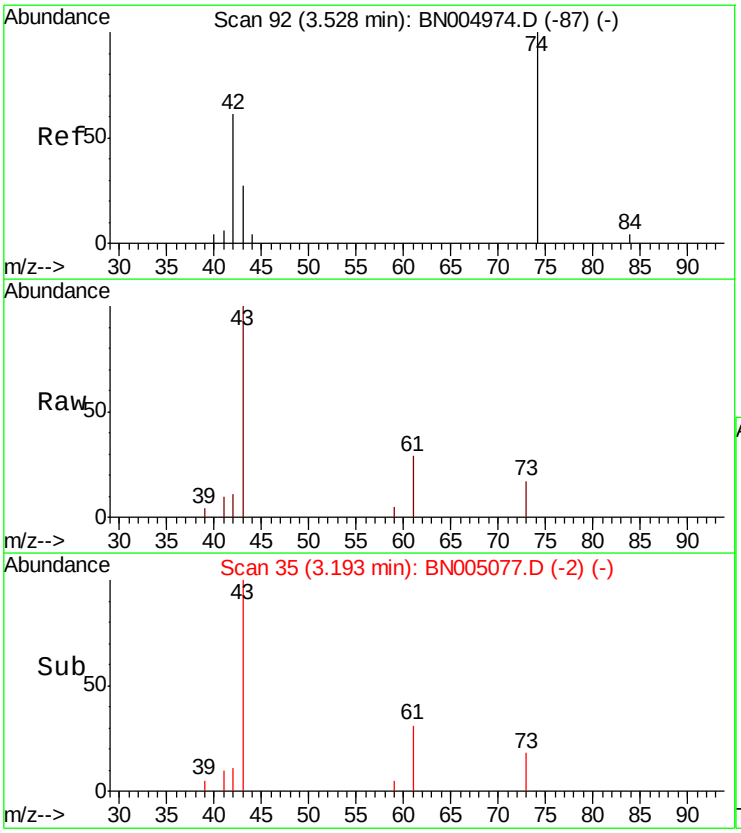

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:152 Resp: 7838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 126.9 | 190.3 |
| 115 | 59.8 | 47.8 | 71.6 |

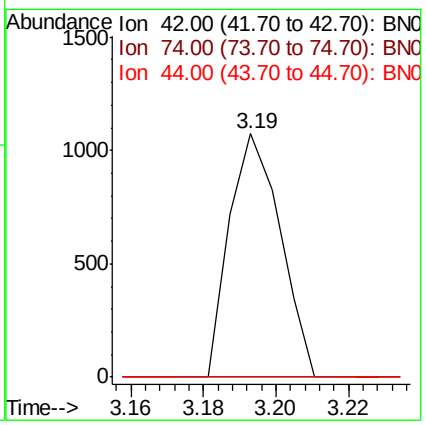


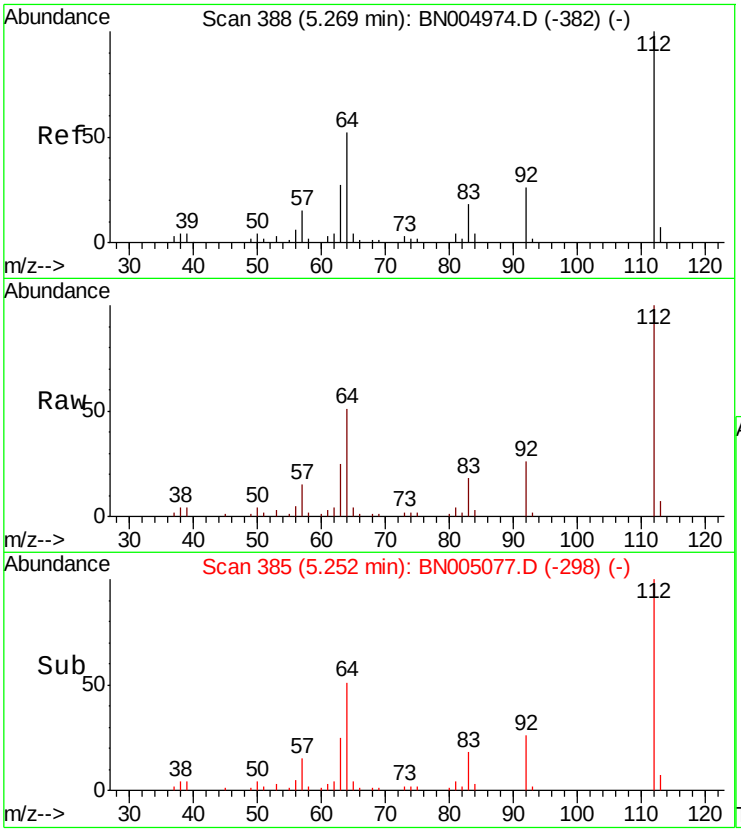




#4
n-Nitrosodimethylamine
Concen: 6.950 ng
RT: 3.19 min Scan# 35
Delta R.T. -0.33 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion: 42 Resp: 1046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 130.8 | 196.2# |
| 44 | 0.0 | 5.7 | 8.5# |



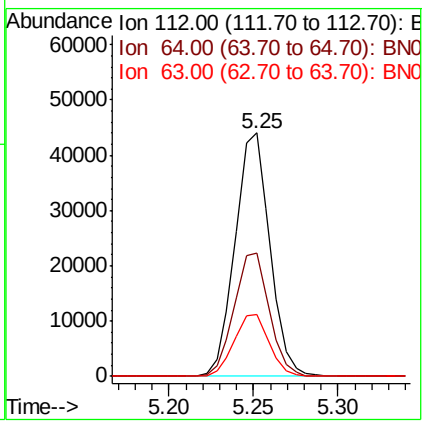


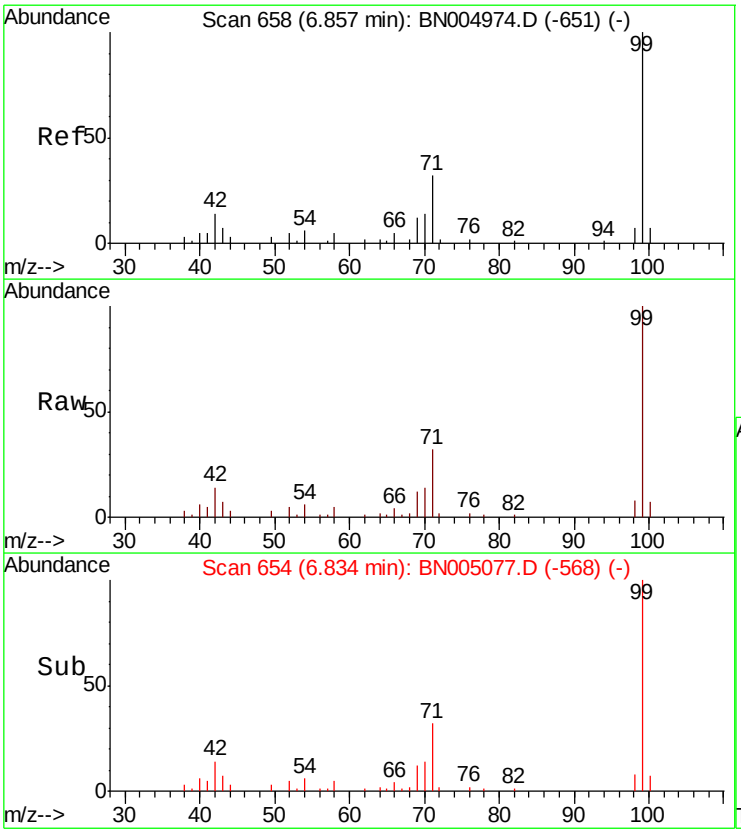

#5
2-Fluorophenol
Concen: 139.382 ng
RT: 5.25 min Scan# 385
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:112 Resp: 63189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 50.9 | 41.9 | 62.9 |
| 63 | 25.5 | 21.4 | 32.0 |

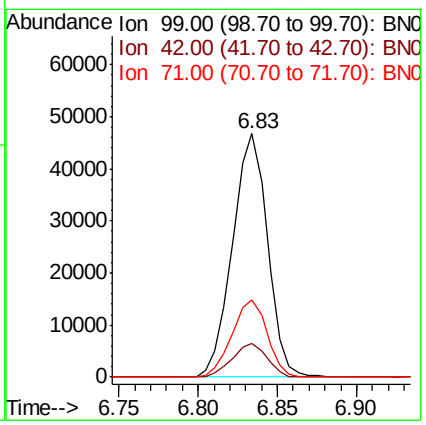


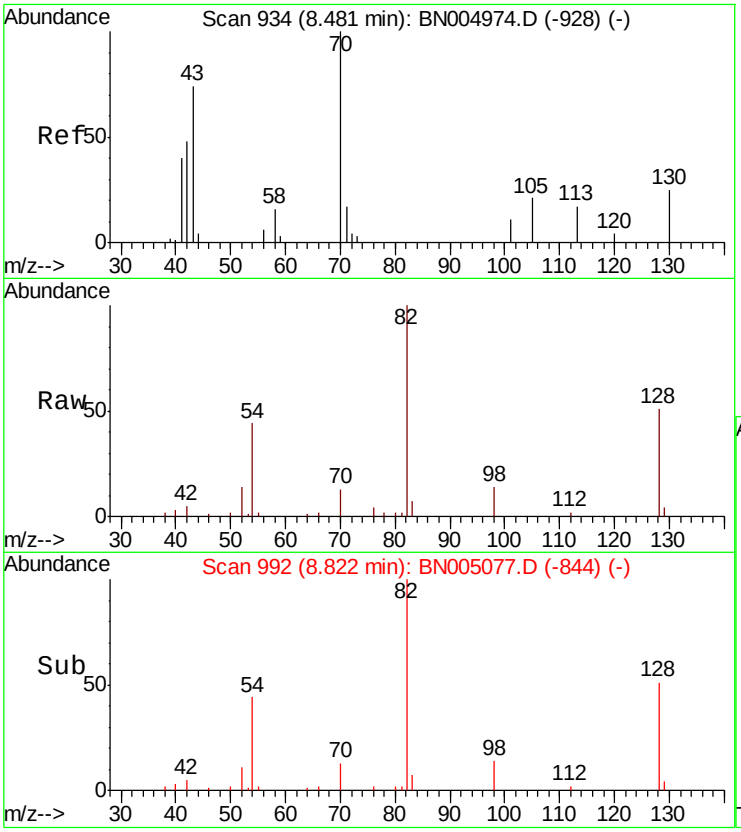




#7
Phenol-d6
Concen: 119.302 ng
RT: 6.83 min Scan# 654
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion: 99 Resp: 71736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.7 | 11.4 | 17.0 |
| 71 | 31.9 | 25.8 | 38.8 |



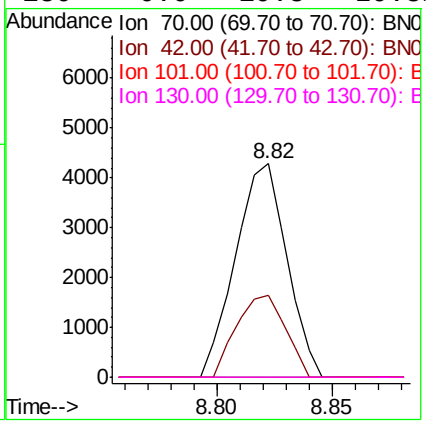


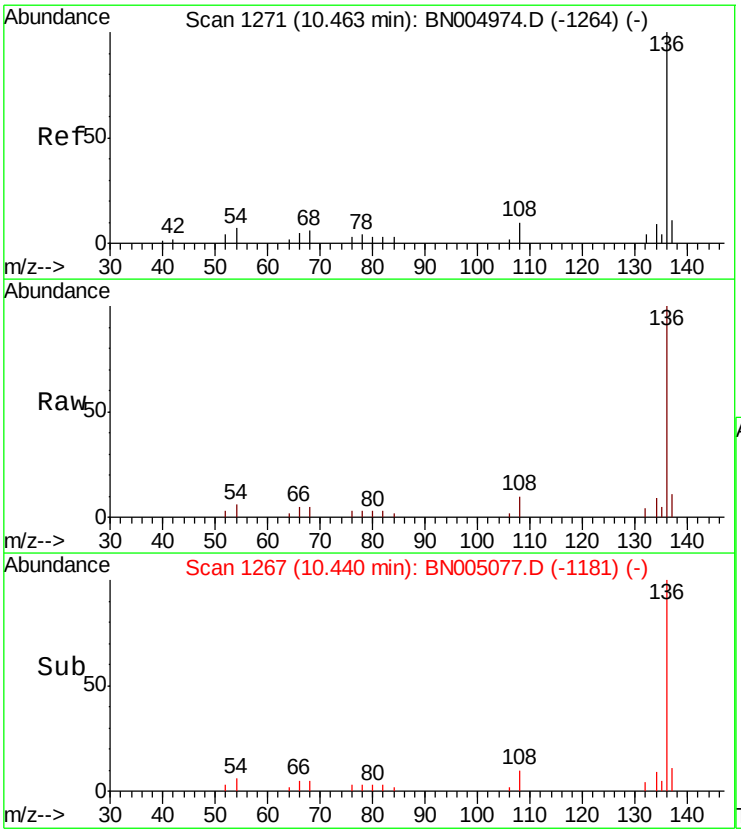

#19
n-Nitroso-di-n-propylamine
Concen: 16.822 ng
RT: 8.82 min Scan# 992
Delta R.T. 0.34 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion: 70 Resp: 6631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.1 | 38.4 | 57.6# |
| 101 | 0.0 | 8.8 | 13.2# |
| 130 | 0.0 | 19.8 | 29.8# |

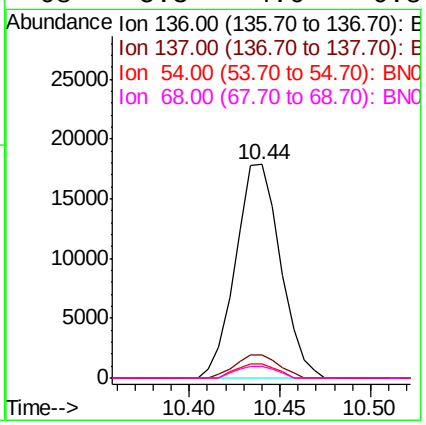


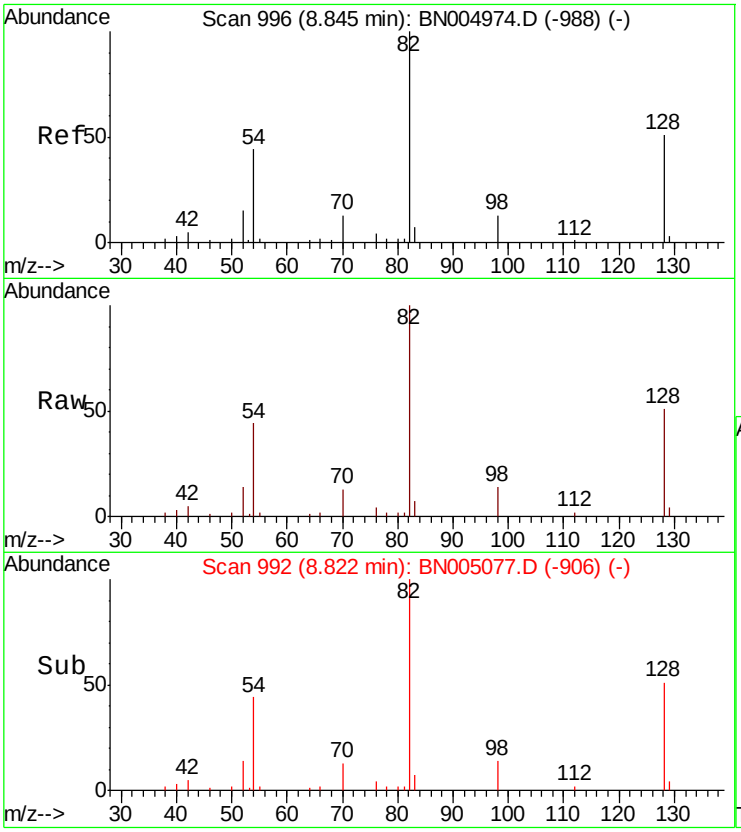




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:136 Resp: 30791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 5.3 | 4.6 | 6.8 |



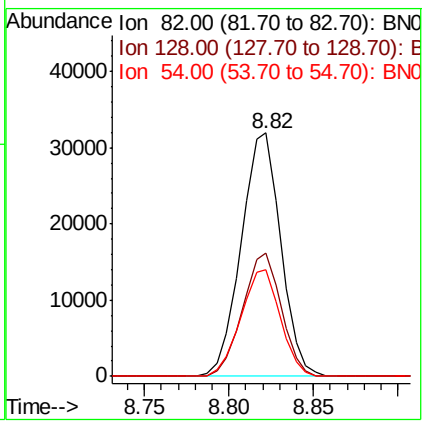


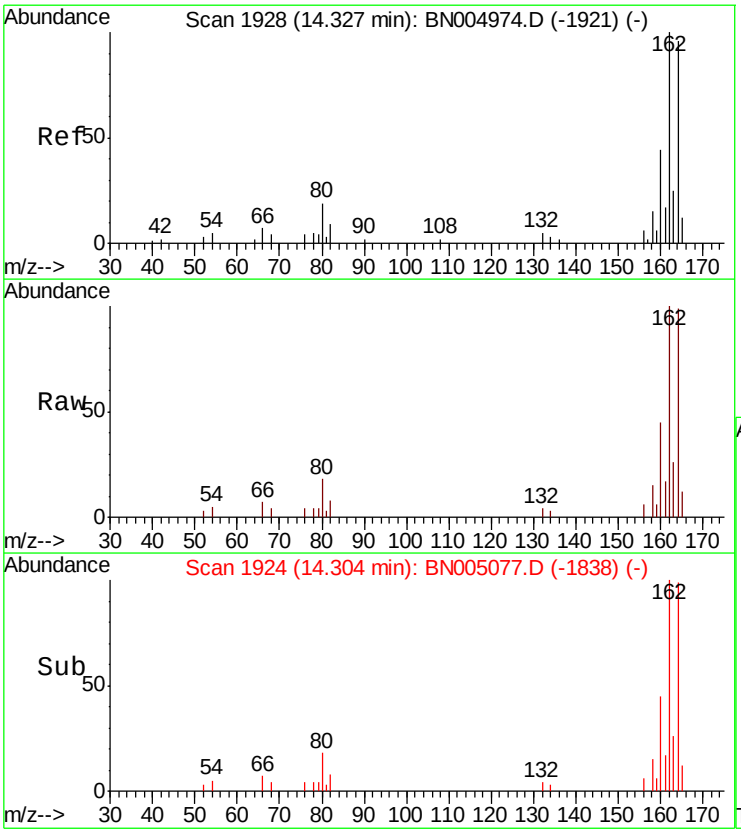

#23
Nitrobenzene-d5
Concen: 102.186 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion: 82 Resp: 52014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.7 | 40.6 | 60.8 |
| 54 | 43.6 | 35.2 | 52.8 |

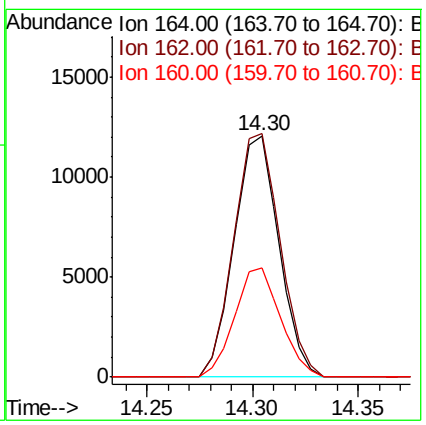


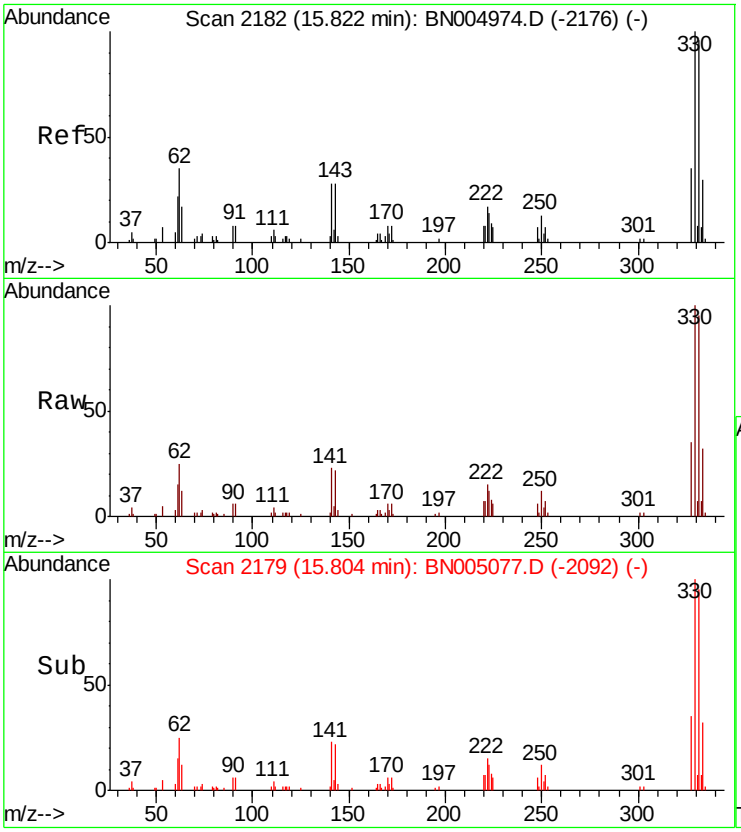




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1924
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:164 Resp: 17772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 83.4 | 125.0 |
| 160 | 45.3 | 36.6 | 55.0 |



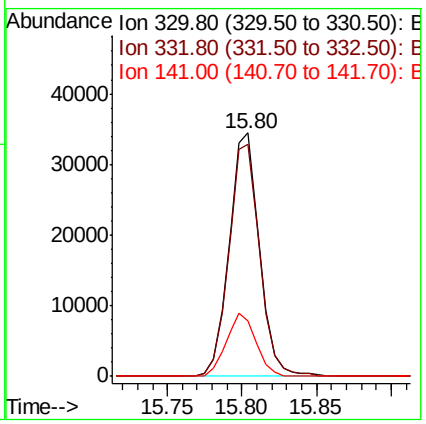


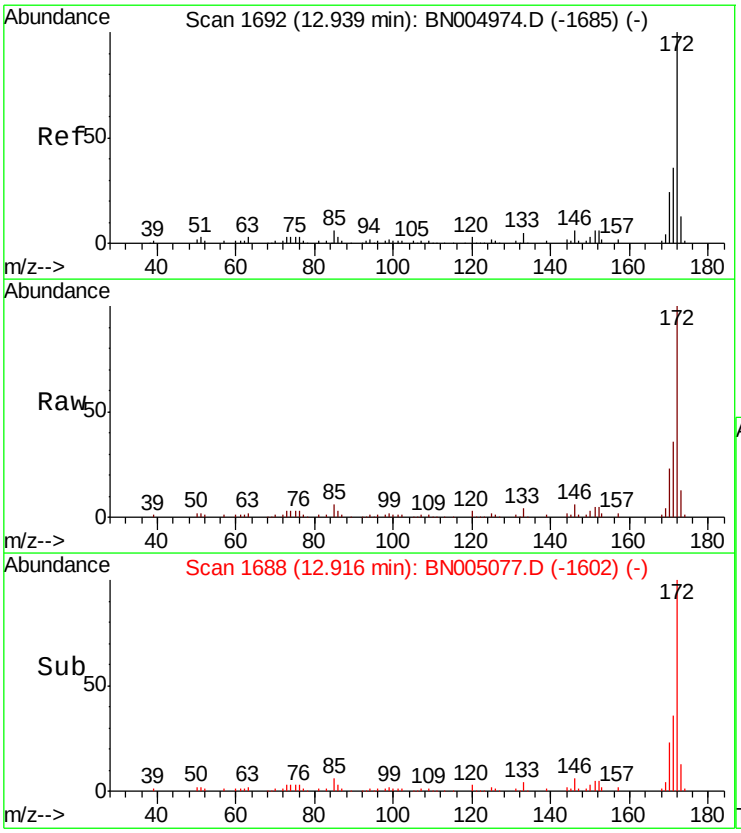

#42
2,4,6-Tribromophenol
Concen: 170.223 ng
RT: 15.80 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:330 Resp: 48791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.4 | 116.0 |
| 141 | 25.0 | 22.1 | 33.1 |

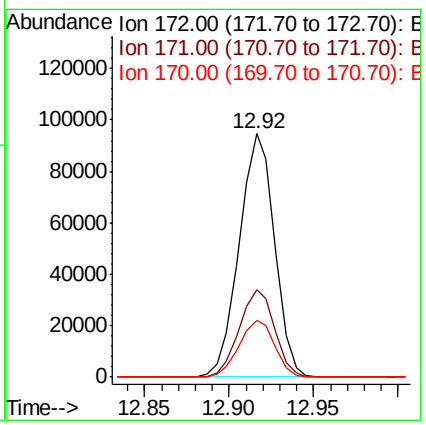


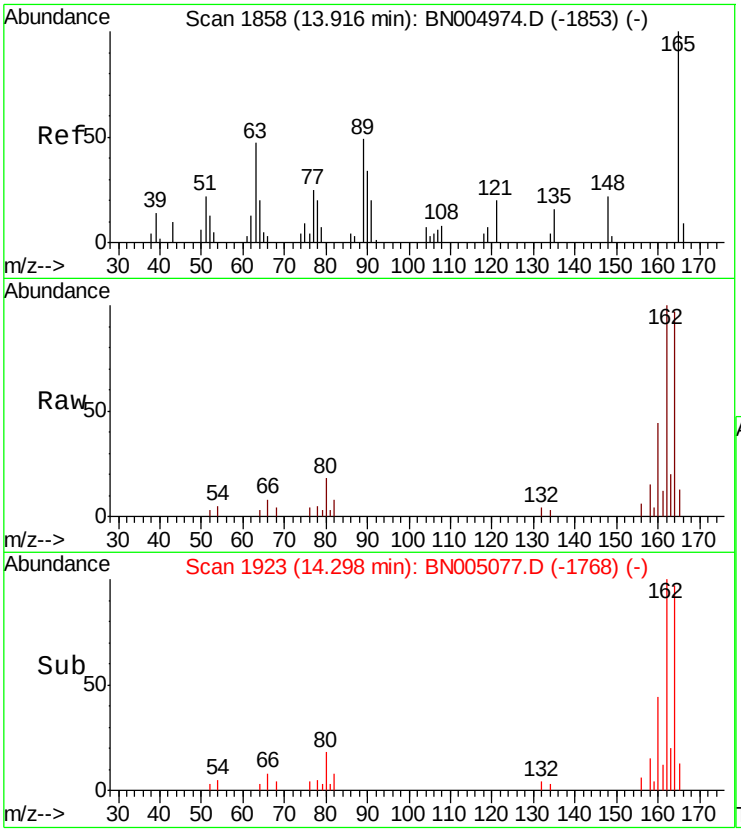




#45
2-Fluorobiphenyl
Concen: 102.726 ng
RT: 12.92 min Scan# 1688
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:172 Resp: 137772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.6 | 42.8 |
| 170 | 23.5 | 18.9 | 28.3 |



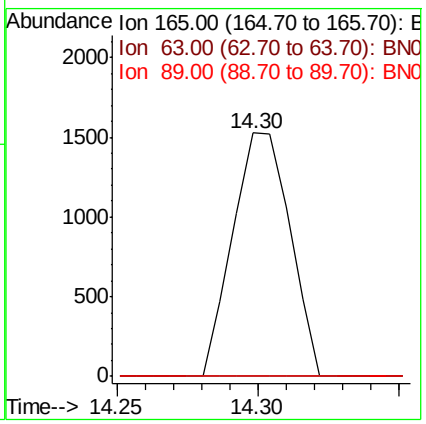


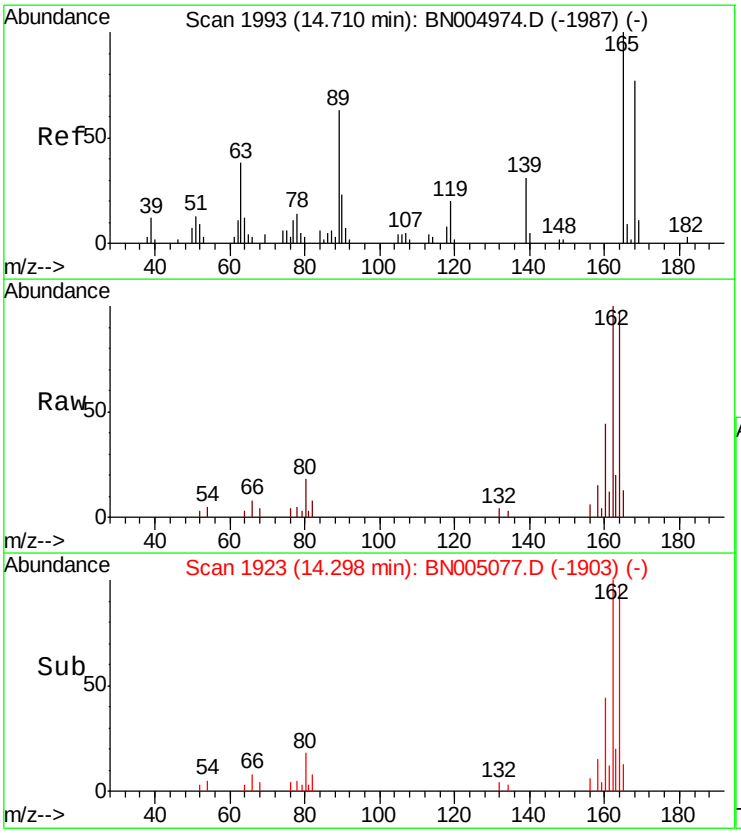

#51
2,6-Dinitrotoluene
Concen: 6.462 ng
RT: 14.30 min Scan# 1923
Delta R.T. 0.38 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:165 Resp: 2147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 37.3 | 55.9# |
| 89 | 0.0 | 39.2 | 58.8# |

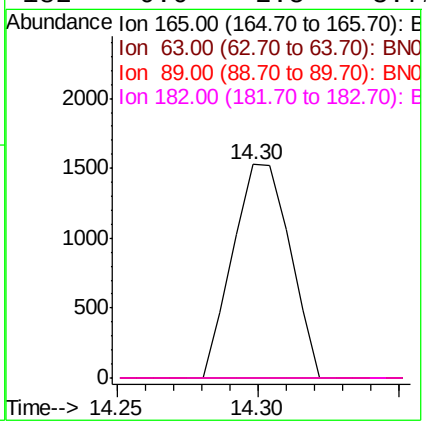


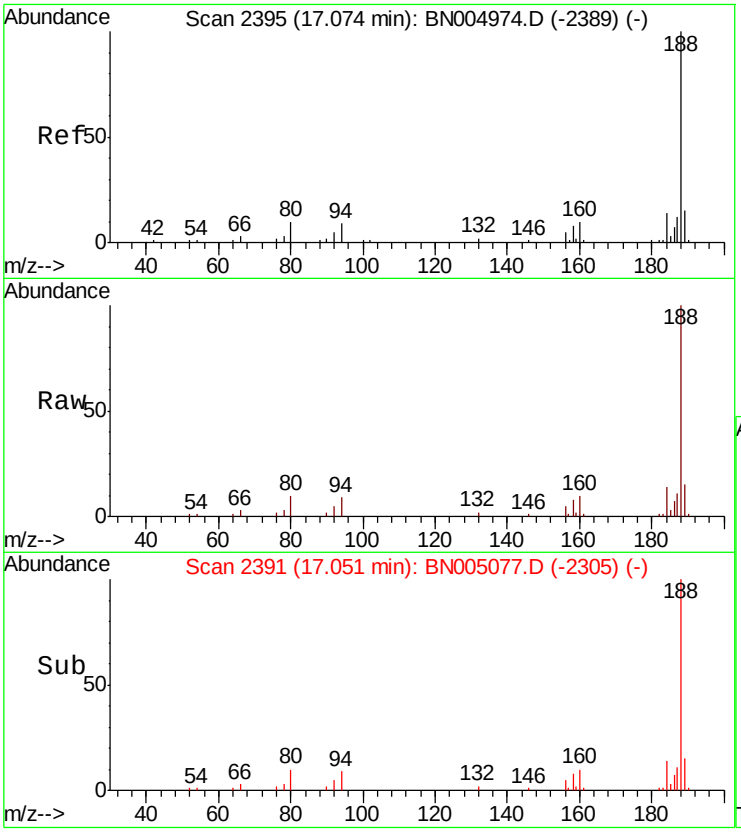




#57
2,4-Dinitrotoluene
Concen: 4.755 ng
RT: 14.30 min Scan# 1923
Delta R.T. -0.41 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:165 Resp: 2147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 30.4 | 45.6# |
| 89 | 0.0 | 50.7 | 76.1# |
| 182 | 0.0 | 2.5 | 3.7# |



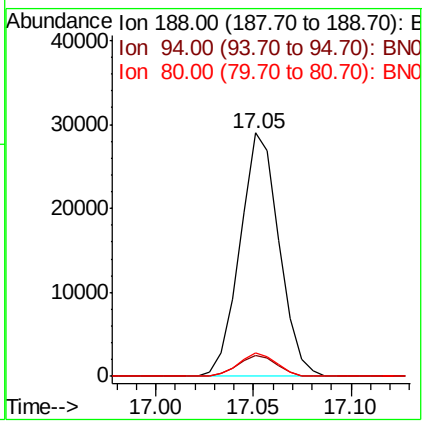


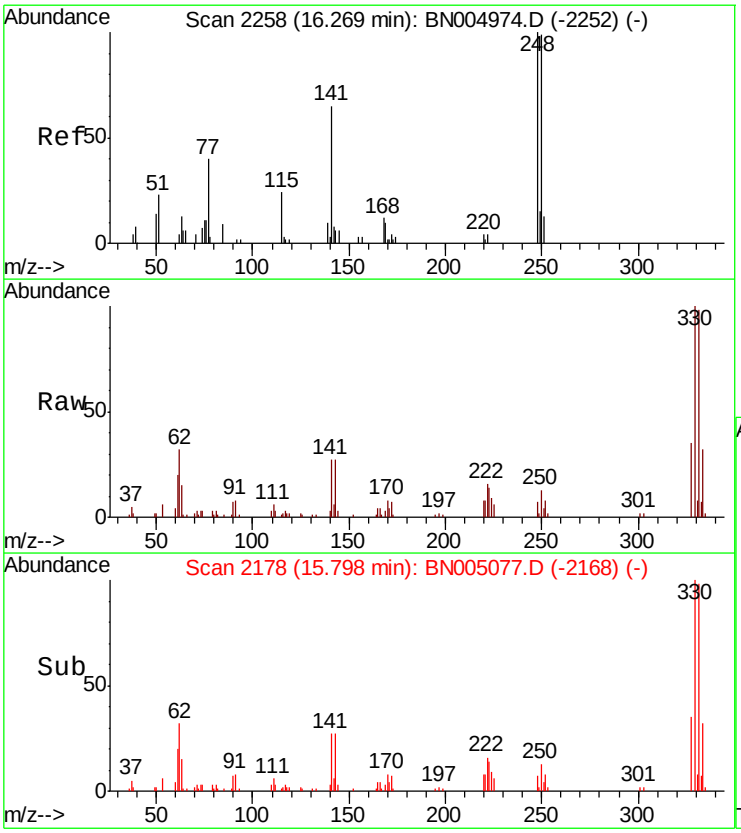

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:188 Resp: 40191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 7.2 | 10.8 |
| 80 | 9.8 | 7.8 | 11.6 |

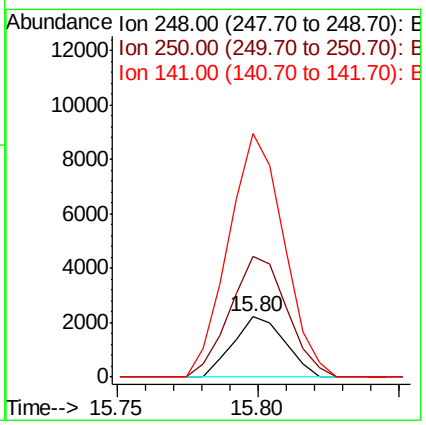


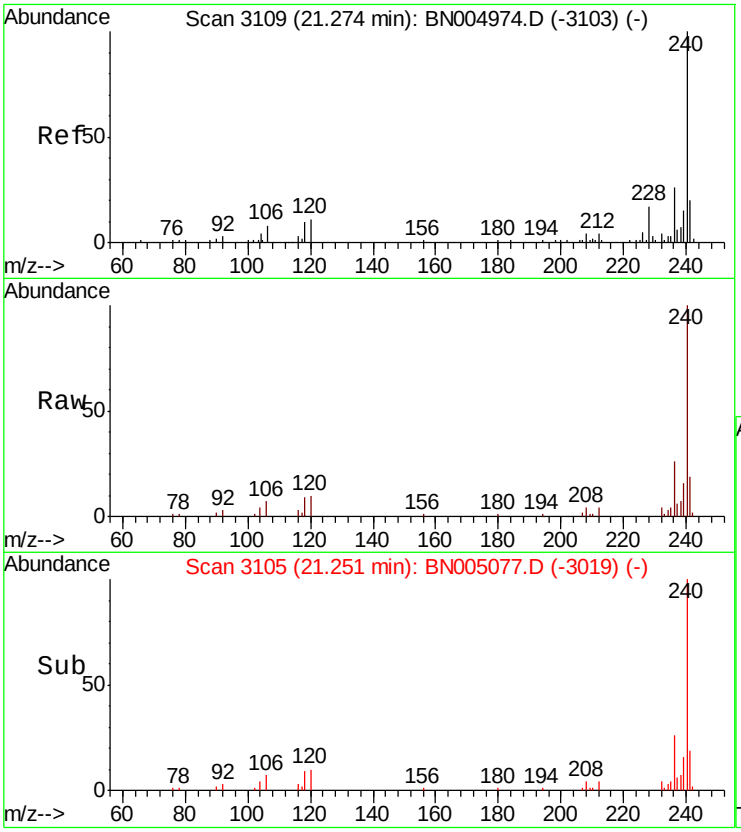




#67
4-Bromophenyl-phenylether
Concen: 5.651 ng
RT: 15.80 min Scan# 2178
Delta R.T. -0.47 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:248 Resp: 2834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.4 | 79.4 | 119.2# |
| 141 | 404.5 | 52.3 | 78.5# |



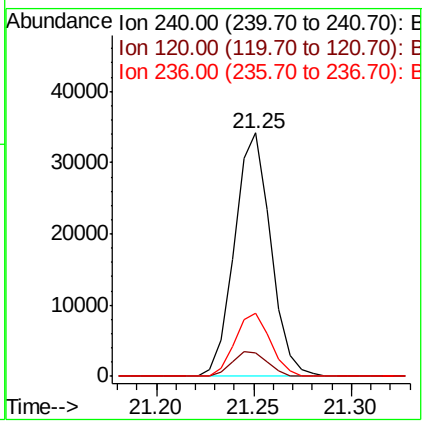


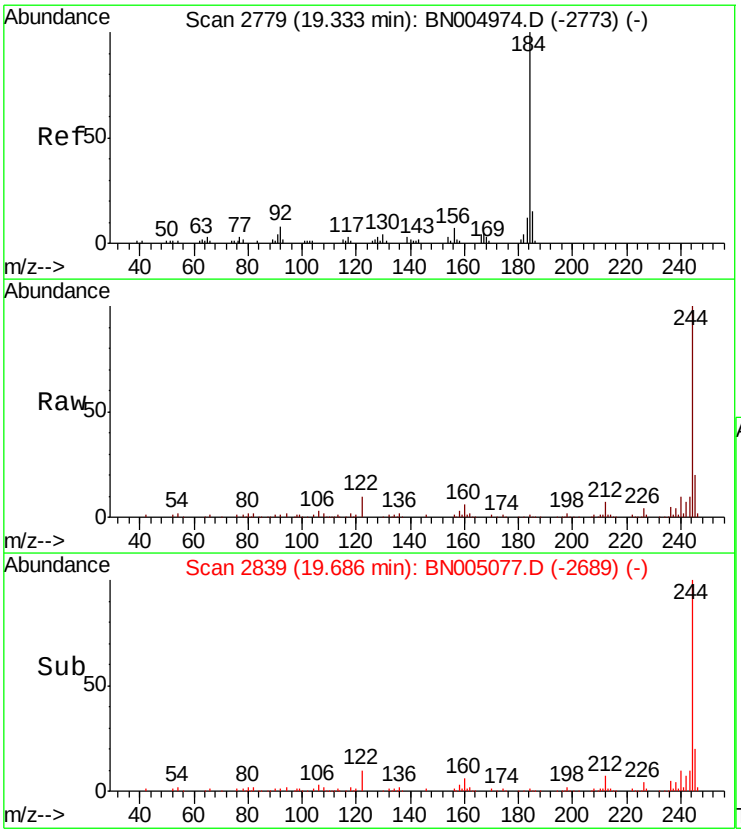

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:240 Resp: 43877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.5 | 12.7 |
| 236 | 26.2 | 21.2 | 31.8 |

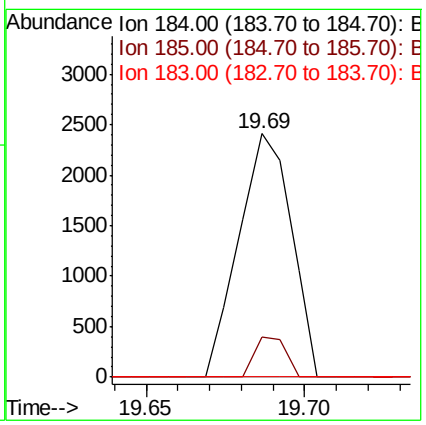


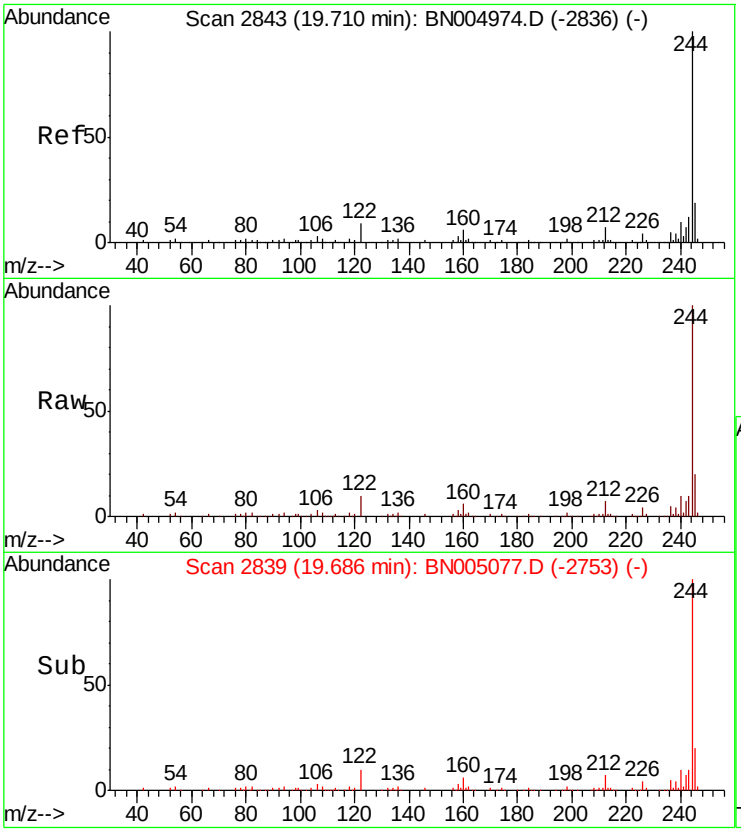




#77
Benzidine
Concen: 2.030 ng
RT: 19.69 min Scan# 2839
Delta R.T. 0.35 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:184 Resp: 2776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.5 | 11.8 | 17.8 |
| 183 | 0.0 | 9.9 | 14.9# |



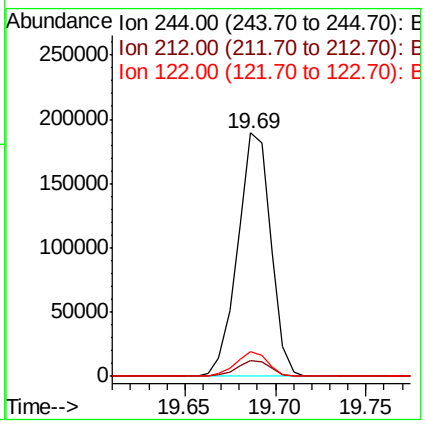


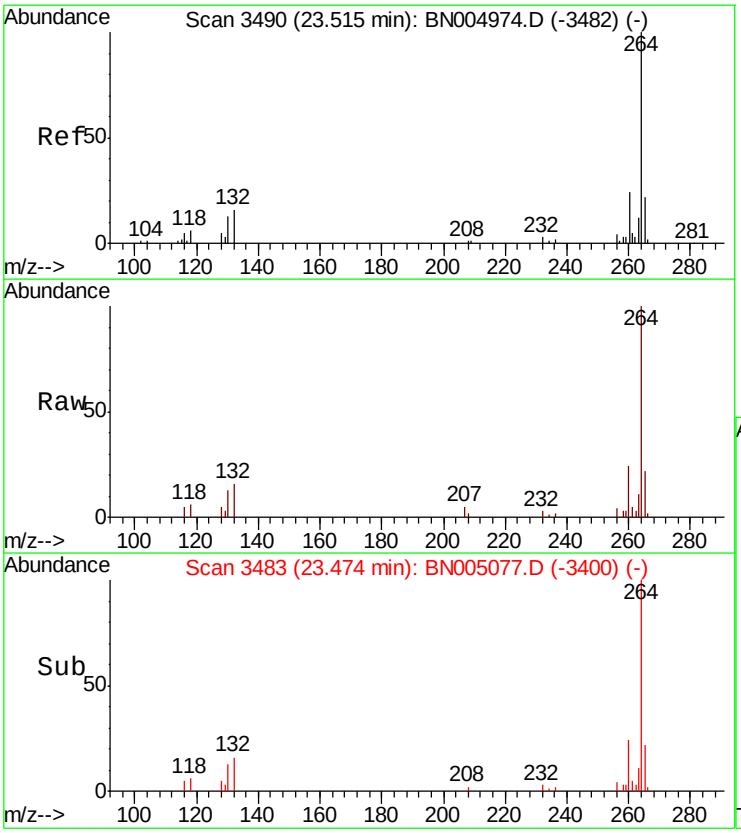

#79
Terphenyl-d14
Concen: 105.182 ng
RT: 19.69 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

**Instrument :**
BNA_N
**ClientSampleId :**
SU-03-040219-B

Tgt Ion:244 Resp: 239713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 10.0 | 7.4 | 11.2 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.47 min Scan# 3483
Delta R.T. -0.04 min
Lab File: BN005077.D
Acq: 04 Apr 2019 00:51

Tgt Ion:264 Resp: 40505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.0 | 28.4 |
| 265 | 21.7 | 17.2 | 25.8 |