Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111977.D
Acq On : 10 Jan 2019 4:49
Operator : JU/SJ
Sample : K1082-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Jan 10 06:55:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 94427 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 317994 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 132372 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 264571 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 86187 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 69653 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 458678 | 83.10 | ng | 0.00 |
| 7) Phenol-d6 | 6.53 | 99 | 547956 | 77.03 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 334643 | 56.24 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 145801 | 84.68 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 630696 | 69.48 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 389191 | 85.72 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.53 | 77 | 866 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.45 | 70 | 45134 | 9.765 | ng | # 76 |
| 25) Isophorone | 7.45 | 82 | 334637 | 34.732 | ng | # 65 |
| 50) Dimethylphthalate | 9.63 | 163 | 30628 | 3.080 | ng | 98 |
| 51) 2,6-Dinitrotoluene | 9.93 | 165 | 16770 | 7.542 | ng | # 25 |
| 57) 2,4-Dinitrotoluene | 9.93 | 165 | 16770 | 5.836 | ng | # 26 |
| 67) 4-Bromophenyl-phenylether | 10.72 | 248 | 8634 | 2.520 | ng | # 1 |

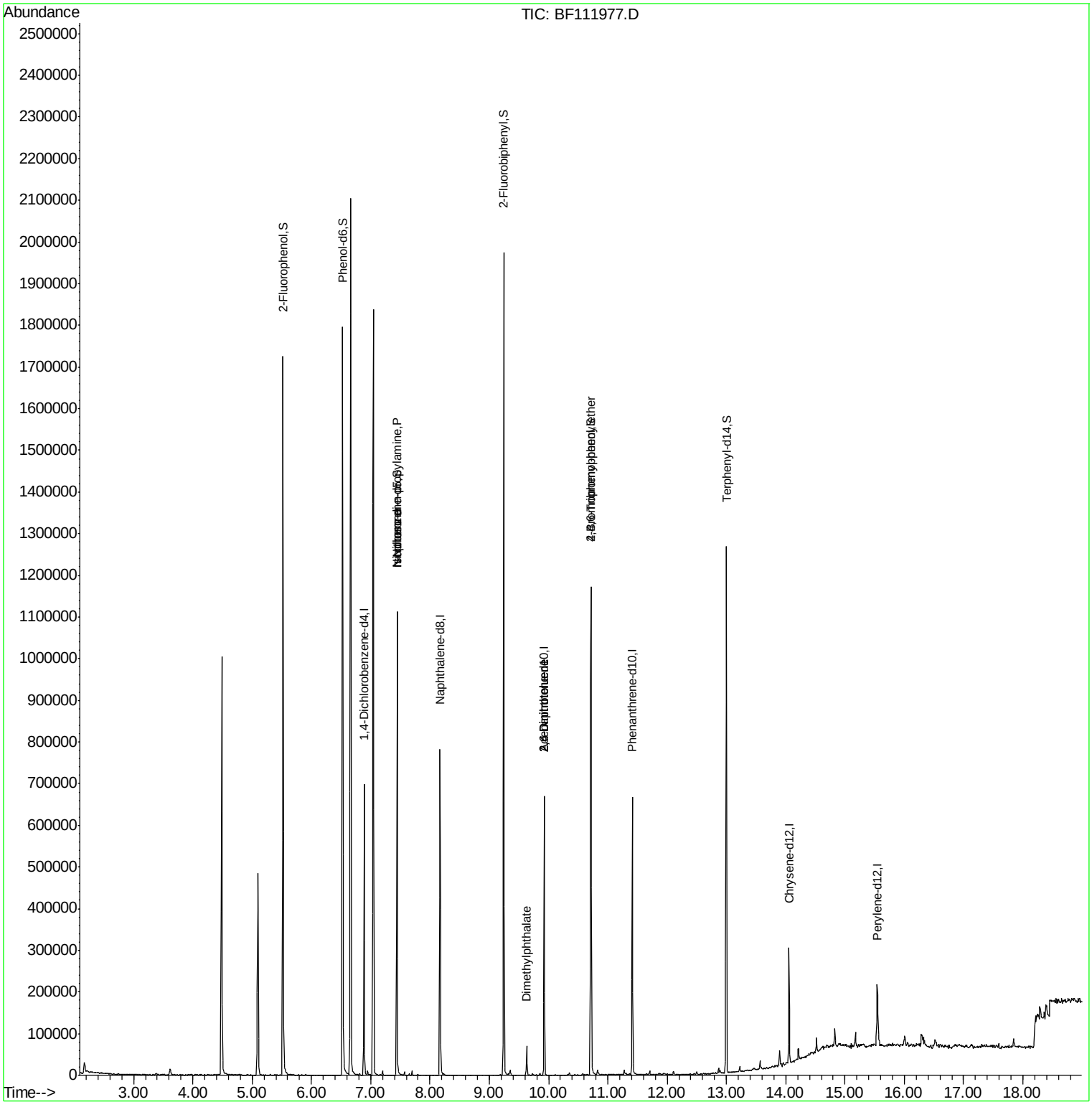
(#) = qualifier out of range (m) = manual integration (+) = signals summed

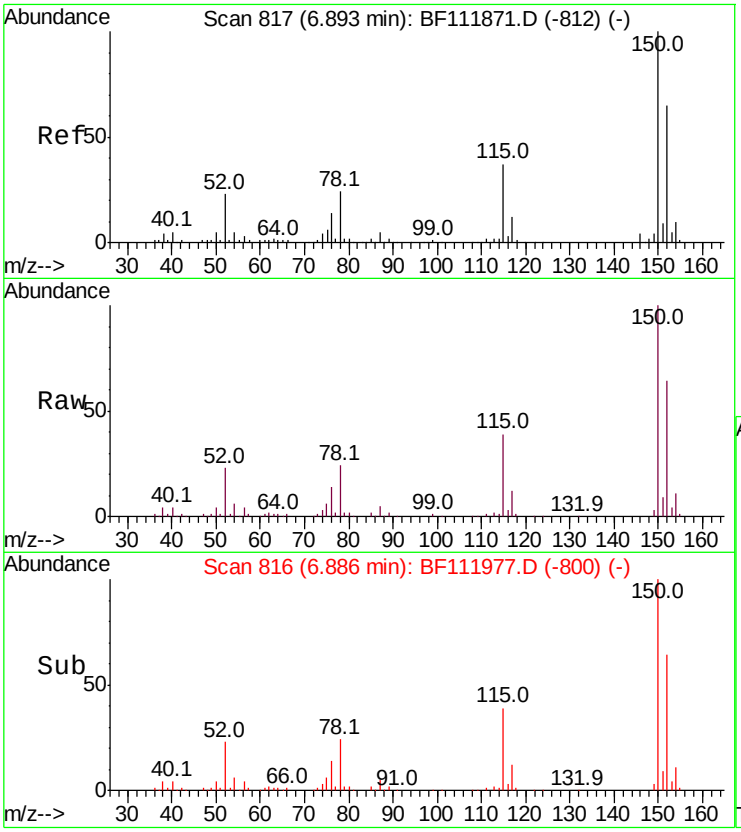
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111977.D
Acq On : 10 Jan 2019 4:49
Operator : JU/SJ
Sample : K1082-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Jan 10 06:55:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration



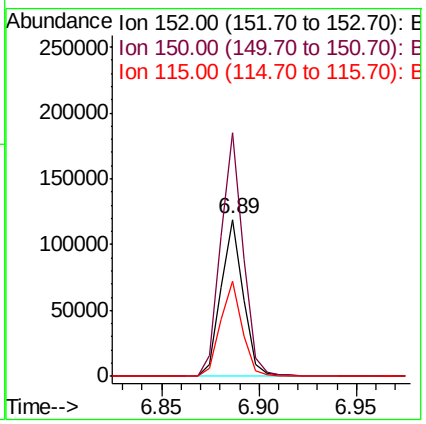


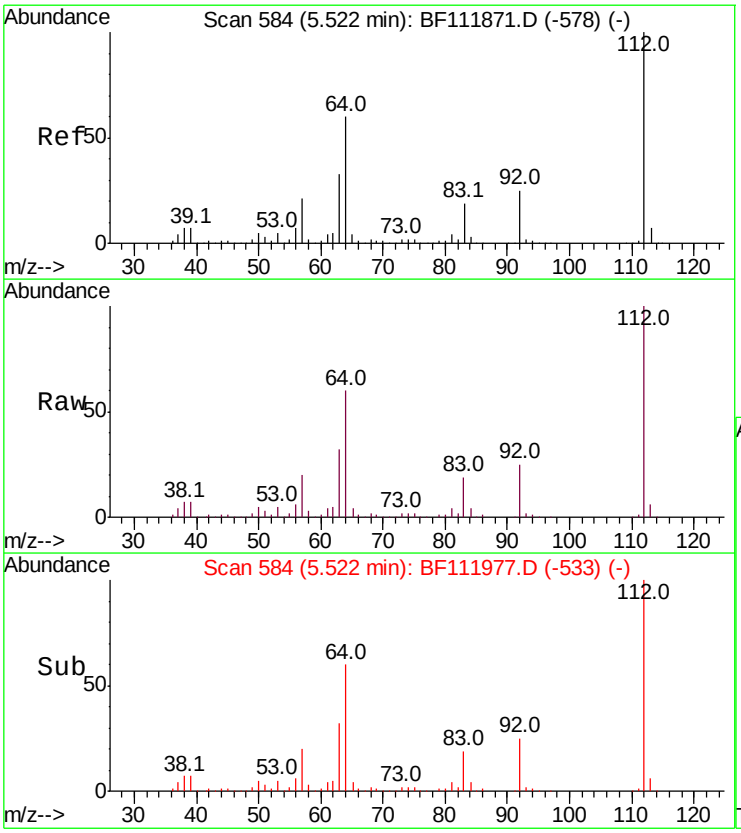

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 94427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 122.7 | 184.1 |
| 115 | 60.6 | 45.2 | 67.8 |

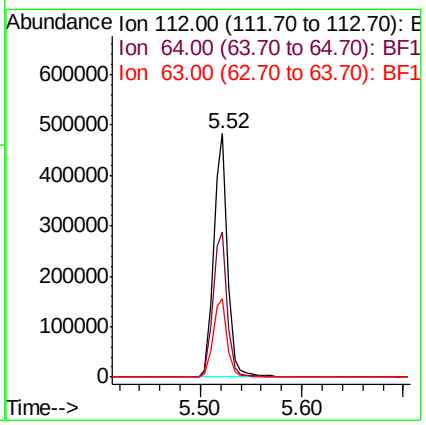


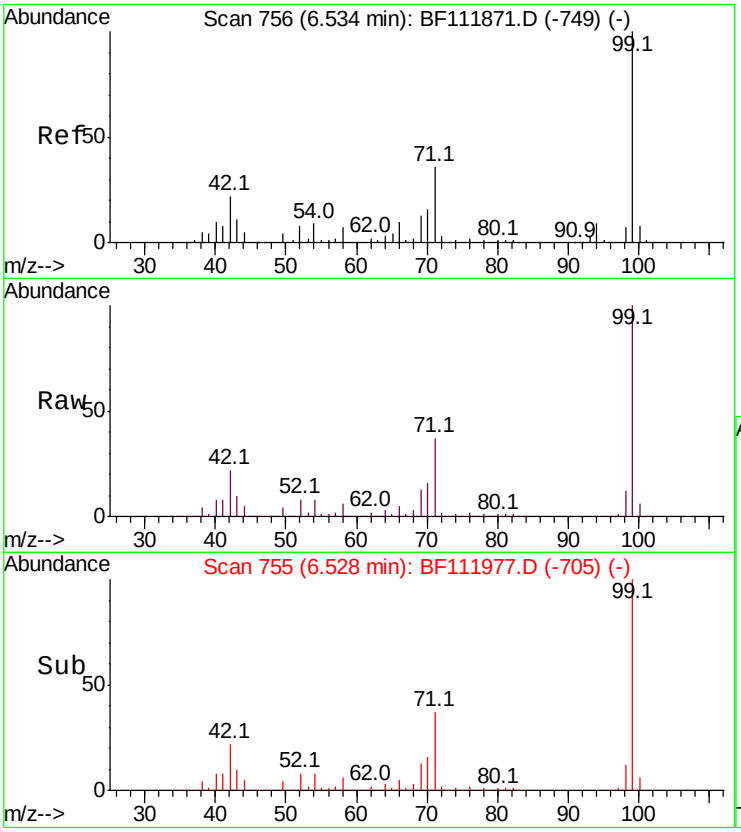




#5
2-Fluorophenol
Concen: 83.103 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:112 Resp: 458678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.7 | 48.3 | 72.5 |
| 63 | 32.3 | 26.1 | 39.1 |



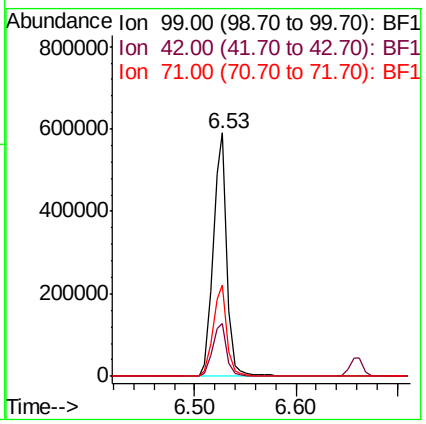


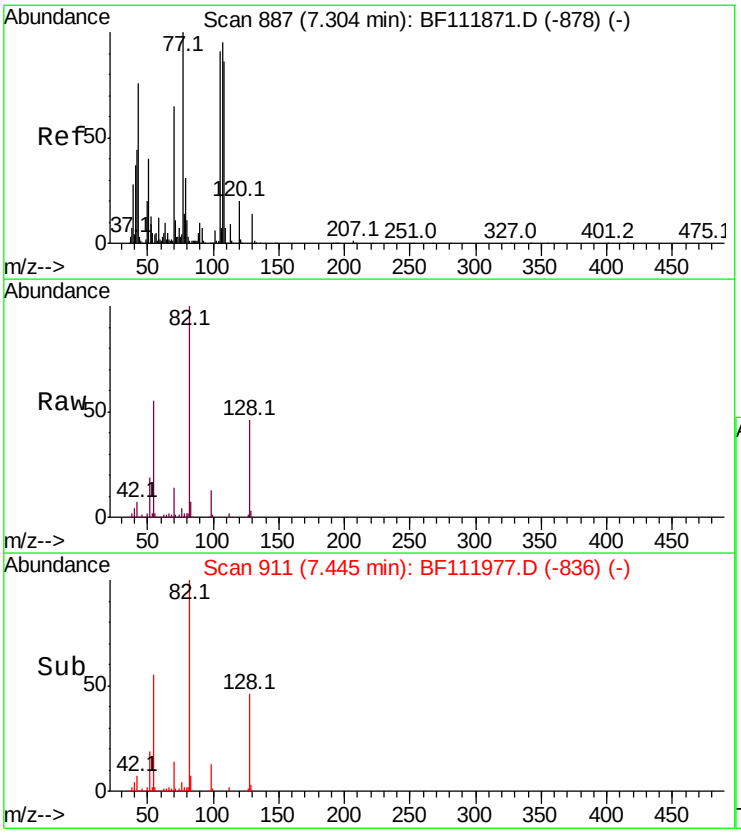

#7
Phenol-d6
Concen: 77.026 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 547956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.7 | 17.9 | 26.9 |
| 71 | 37.5 | 28.7 | 43.1 |

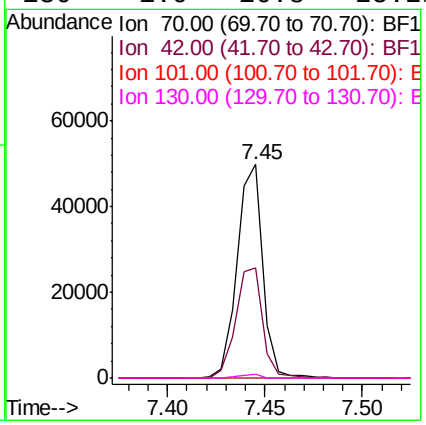


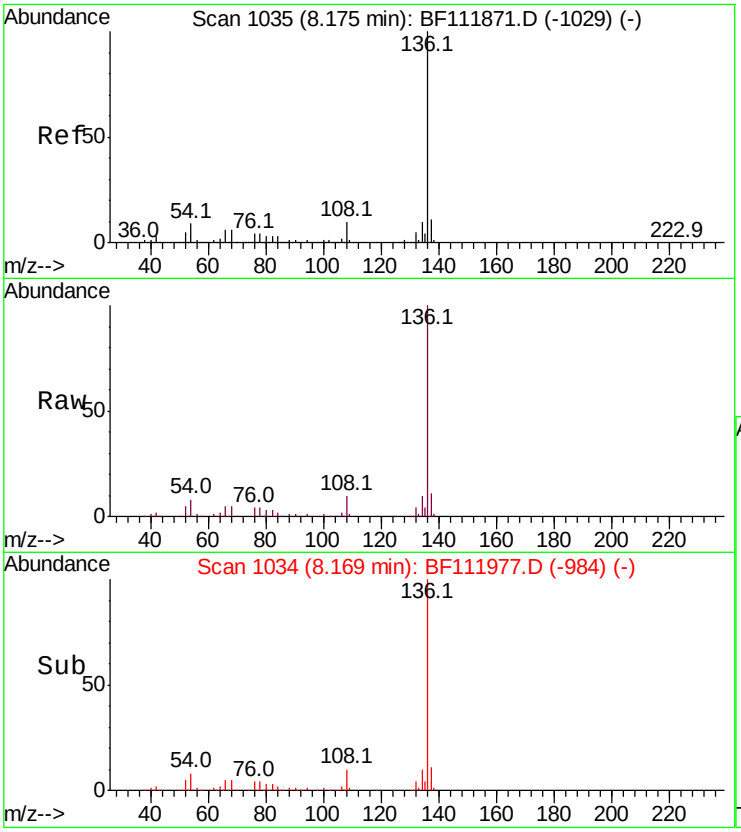




#19
n-Nitroso-di-n-propylamine
Concen: 9.765 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion: 70 Resp: 45134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.8 | 53.6 | 80.4# |
| 101 | 0.0 | 7.3 | 10.9# |
| 130 | 1.9 | 16.8 | 25.2# |



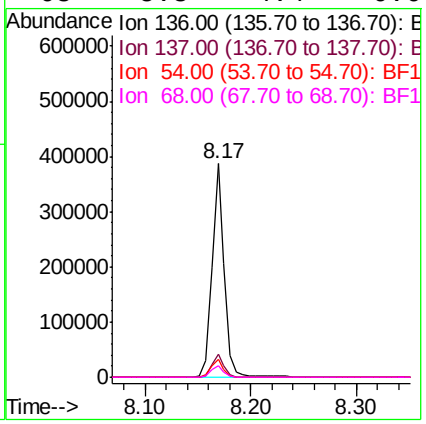


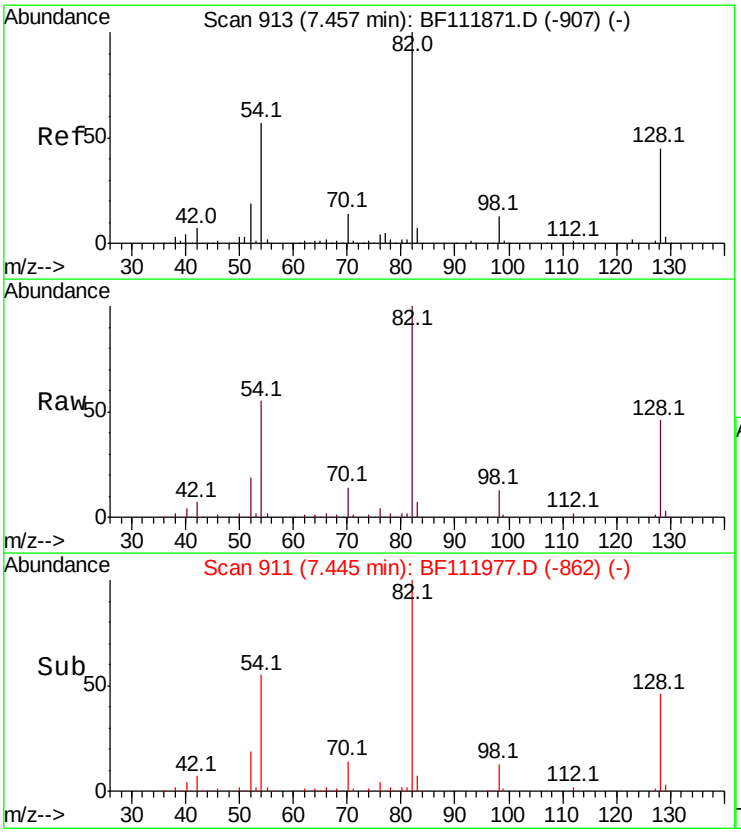

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 317994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.1 | 13.7 |
| 54 | 8.3 | 7.2 | 10.8 |
| 68 | 5.3 | 4.4 | 6.6 |

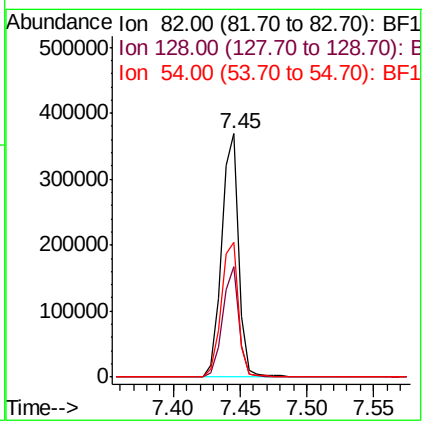


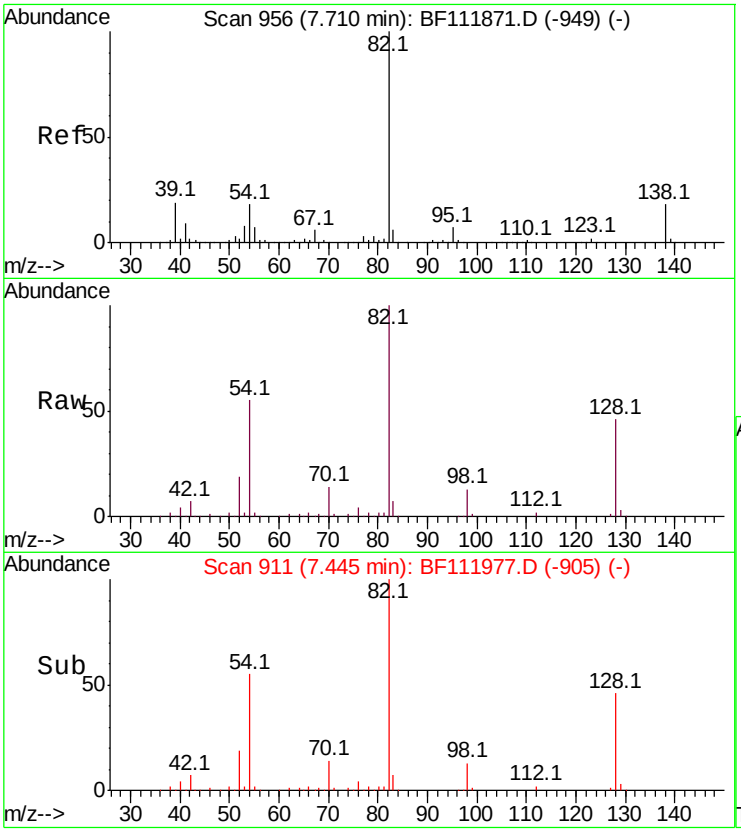




#23
Nitrobenzene-d5
Concen: 56.244 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion: 82 Resp: 334643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.6 | 35.7 | 53.5 |
| 54 | 55.2 | 45.8 | 68.8 |



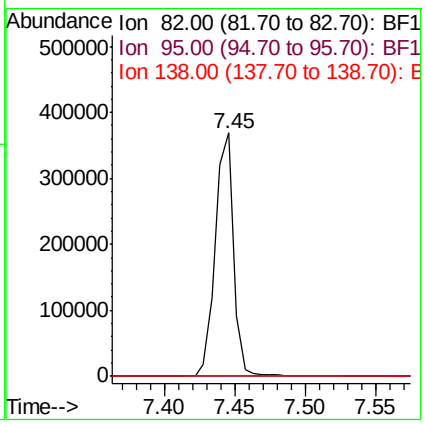


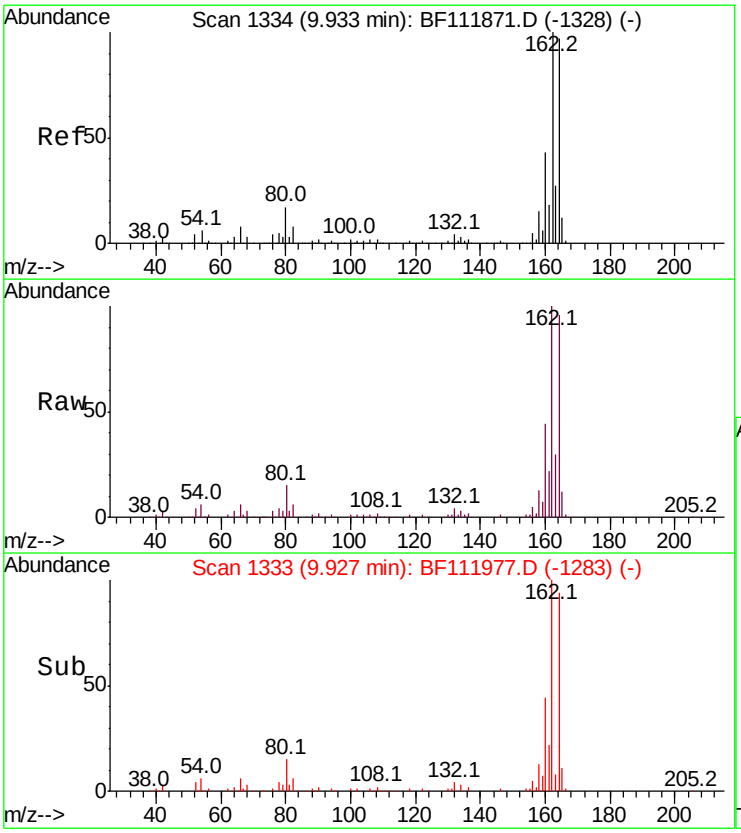

#25
Isophorone
Concen: 34.732 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 334637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.8 | 8.6# |
| 138 | 0.0 | 14.4 | 21.6# |

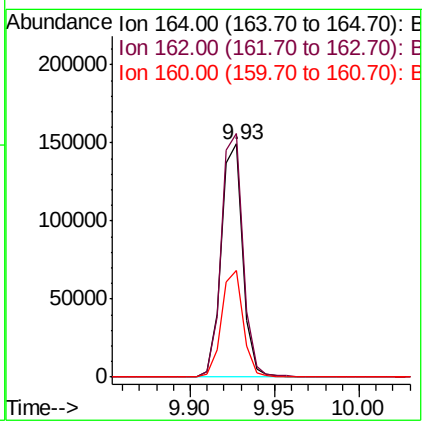


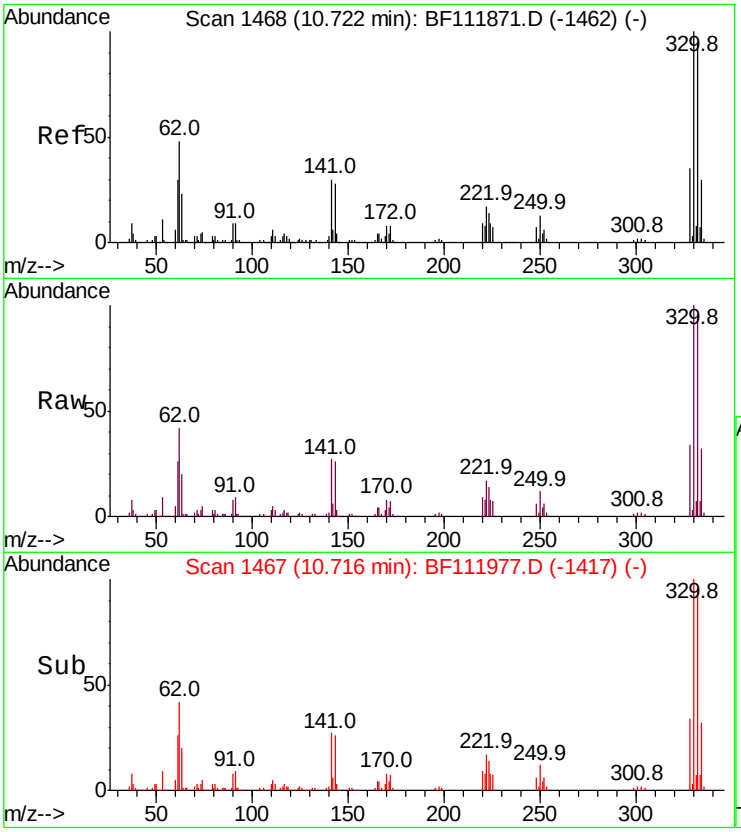




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:164 Resp: 132372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 82.2 | 123.2 |
| 160 | 45.9 | 35.5 | 53.3 |



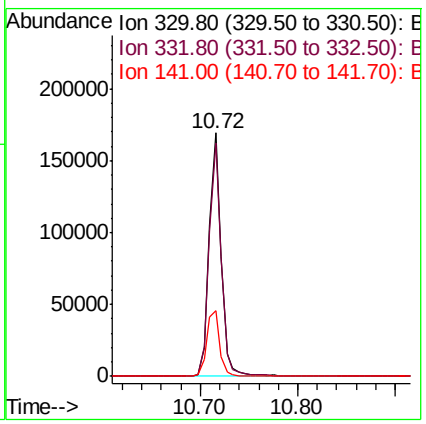


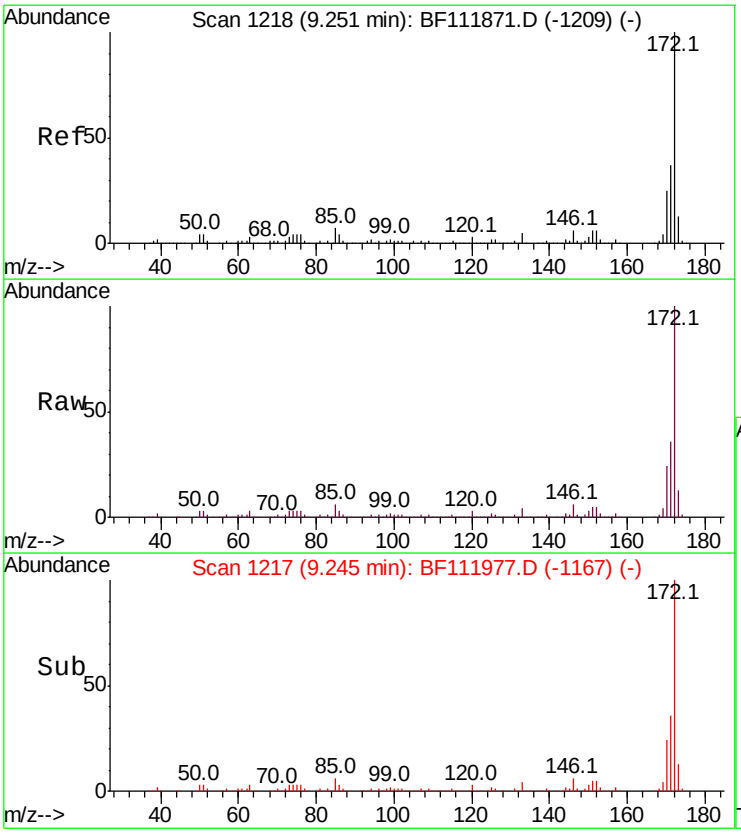

#42
2,4,6-Tribromophenol
Concen: 84.681 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 145801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 76.9 | 115.3 |
| 141 | 29.0 | 23.7 | 35.5 |

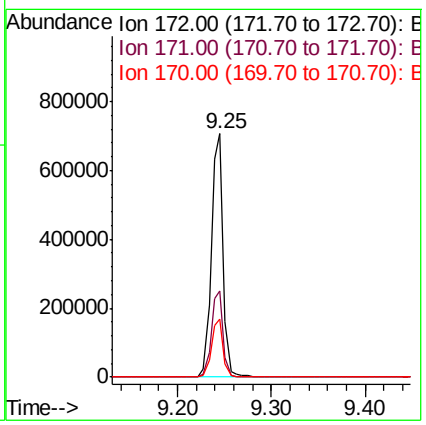


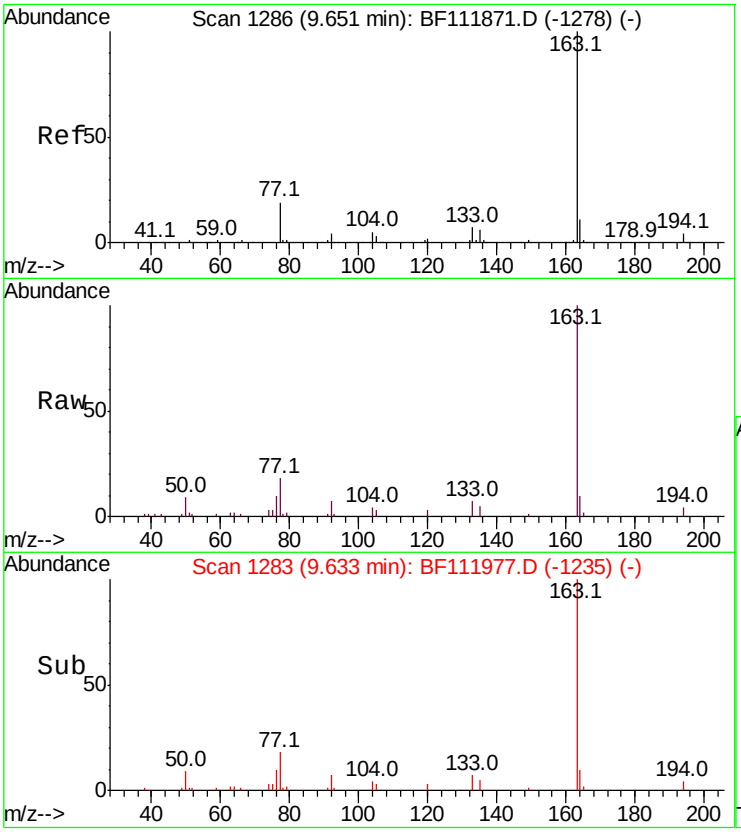




#45
2-Fluorobiphenyl
Concen: 69.477 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:172 Resp: 630696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 29.6 | 44.4 |
| 170 | 23.7 | 19.8 | 29.8 |



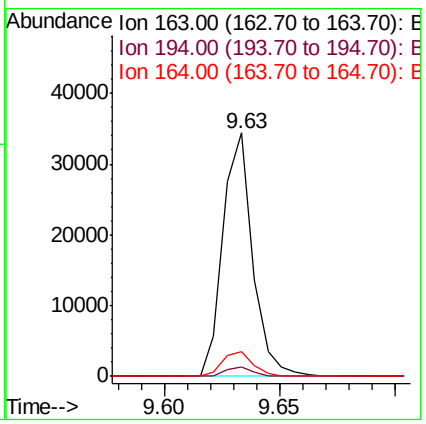


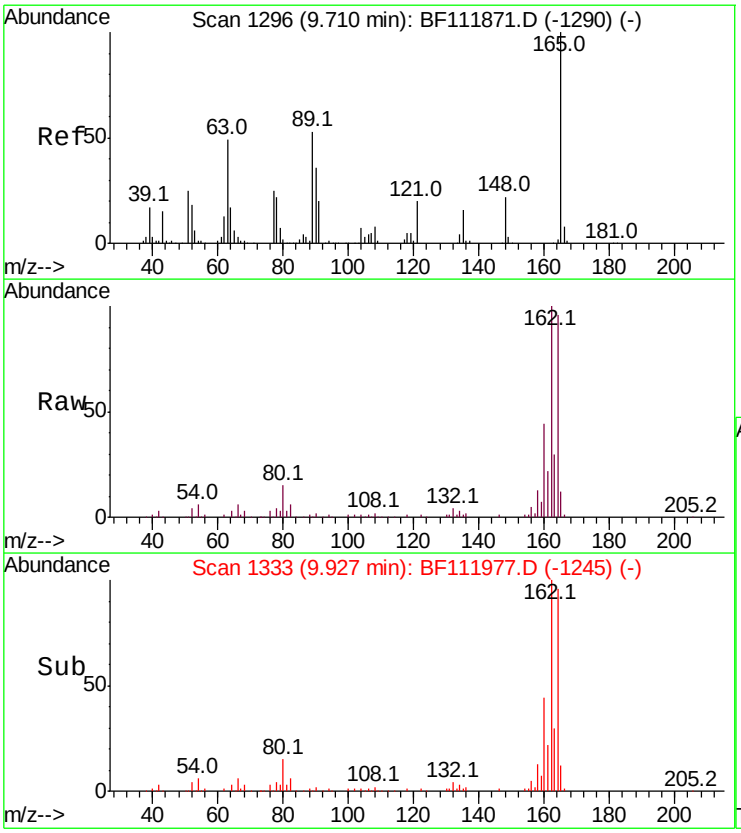

#50
Dimethylphthalate
Concen: 3.080 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:163 Resp: 30628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.4 | 5.2 |
| 164 | 10.0 | 8.5 | 12.7 |

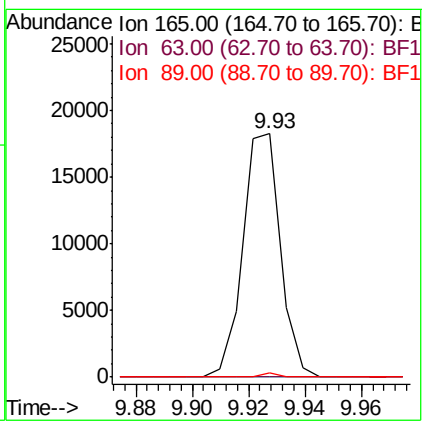


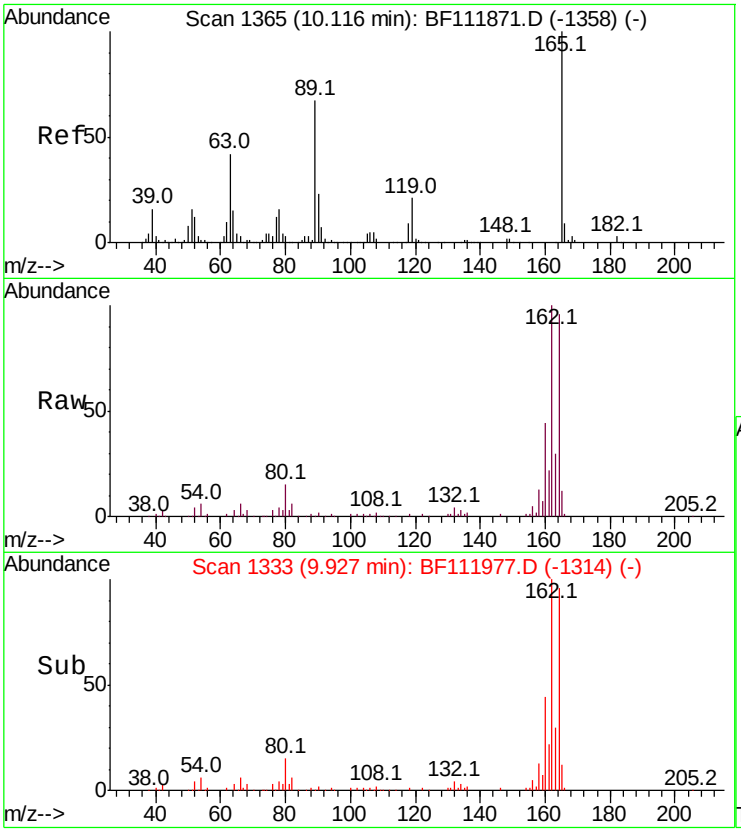




#51
2,6-Dinitrotoluene
Concen: 7.542 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:165 Resp: 16770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 46.2 | 69.2# |
| 89 | 1.7 | 42.2 | 63.2# |



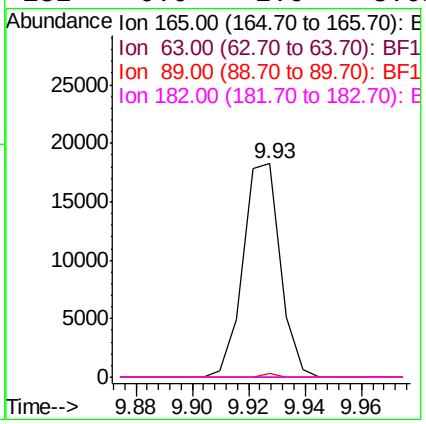


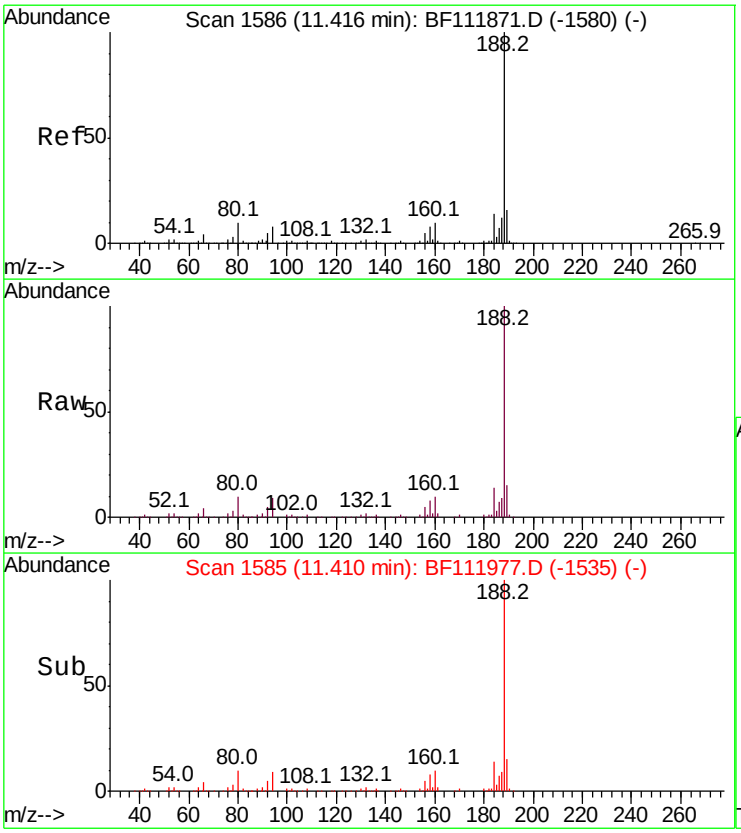

#57
2,4-Dinitrotoluene
Concen: 5.836 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:165 Resp: 16770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 34.1 | 51.1# |
| 89 | 1.7 | 53.5 | 80.3# |
| 182 | 0.0 | 2.0 | 3.0# |

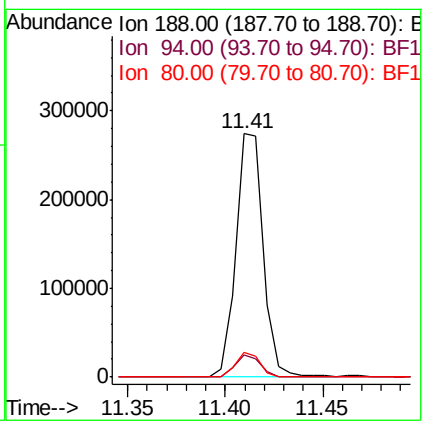


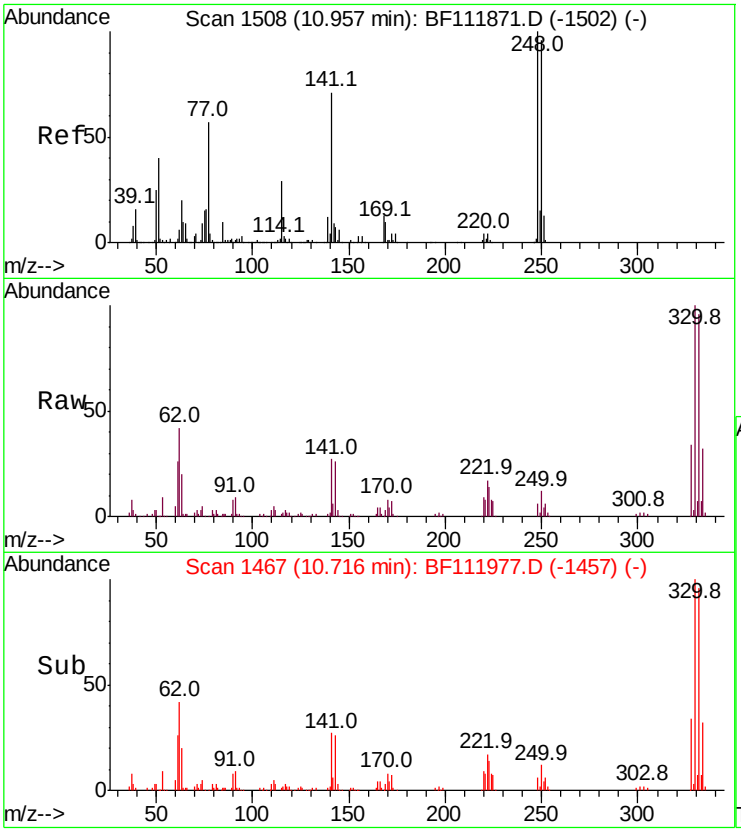




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:188 Resp: 264571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.2 | 6.6 | 10.0 |
| 80 | 10.4 | 7.7 | 11.5 |



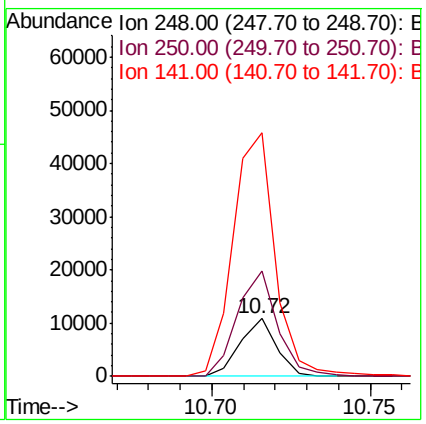


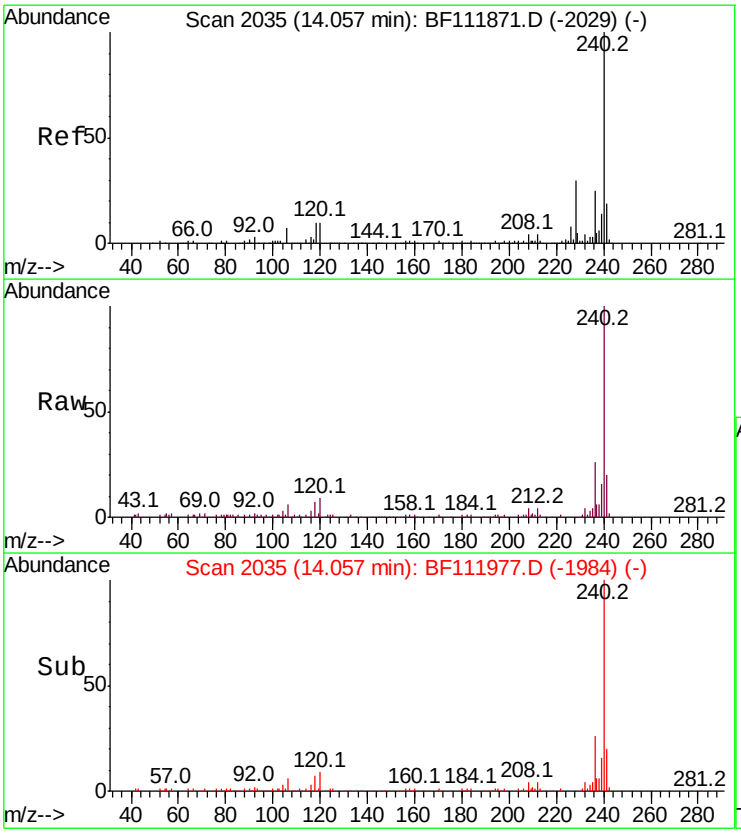

#67
4-Bromophenyl-phenylether
Concen: 2.520 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:248 Resp: 8634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 182.9 | 76.8 | 115.2# |
| 141 | 424.1 | 57.0 | 85.6# |

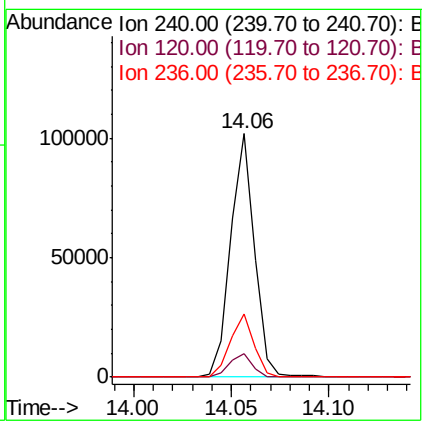


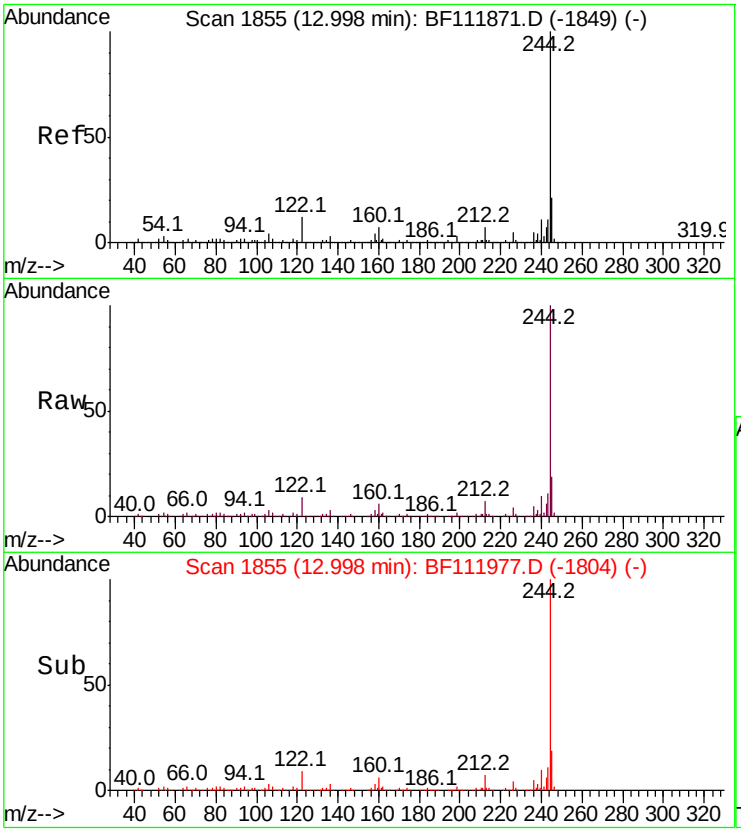




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:240 Resp: 86187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.4 | 8.2 | 12.2 |
| 236 | 25.7 | 20.2 | 30.4 |



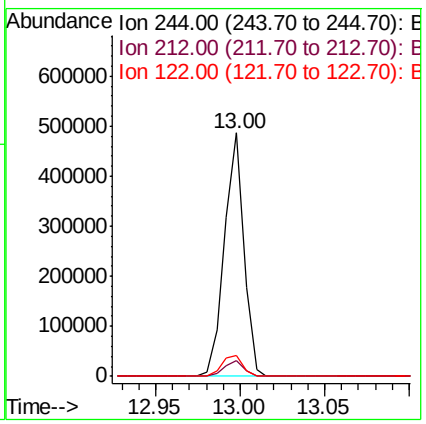


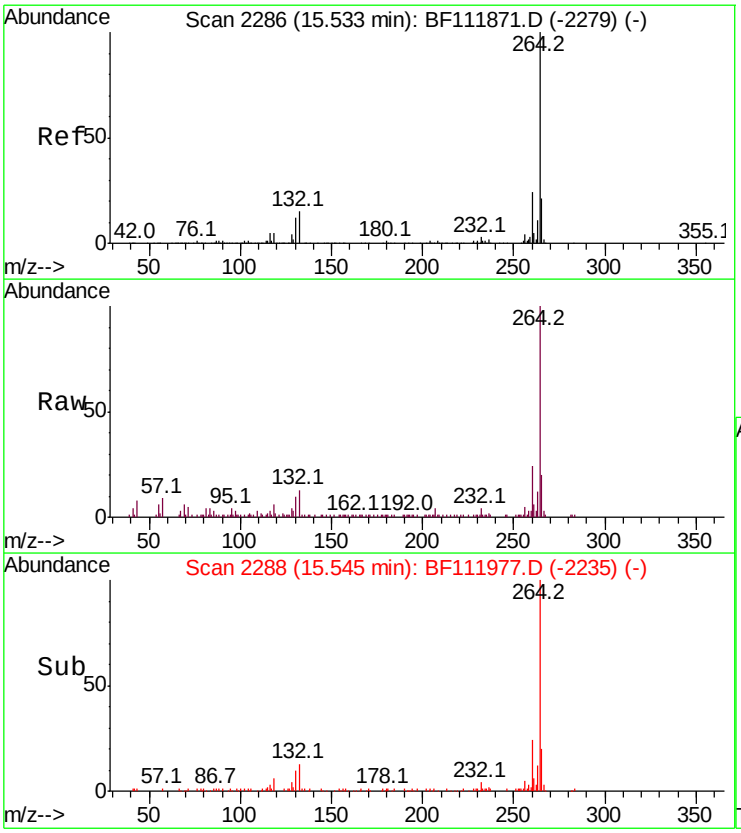

#79
Terphenyl-d14
Concen: 85.717 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 389191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.8 | 8.8 |
| 122 | 8.5 | 9.5 | 14.3# |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF111977.D
Acq: 10 Jan 2019 4:49

Tgt Ion:264 Resp: 69653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 20.1 | 17.1 | 25.7 |