Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089222.D
Acq On : 23 Jul 2016 7:22
Operator : UM/SJ
Sample : H4112-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jul 25 01:04:57 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.58 | 152 | 51014 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 7.86 | 136 | 227649 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 9.61 | 164 | 109937 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.08 | 188 | 220252 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 13.70 | 240 | 170796 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.04 | 264 | 127034 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 185676 | 55.36 | ng | -0.03 |
| 7) Phenol-d6 | 6.23 | 99 | 155517 | 35.95 | ng | -0.05 |
| 23) Nitrobenzene-d5 | 7.15 | 82 | 410828 | 95.89 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.40 | 330 | 141040 | 142.49 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 8.95 | 172 | 758230 | 95.03 | ng | -0.02 |
| 78) Terphenyl-d14 | 12.67 | 244 | 731598 | 92.91 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.34 | 77 | 8297 | 2.64 | ng | # 72 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 54861 | 19.39 | ng | # 79 |
| 25) Isophorone | 7.15 | 82 | 313779 | 39.74 | ng | # 66 |
| 50) 2,6-Dinitrotoluene | 9.61 | 165 | 12924 | 6.79 | ng | # 28 |
| 56) 2,4-Dinitrotoluene | 9.61 | 165 | 12924 | 5.27 | ng | # 10 |
| 66) 4-Bromophenyl-phenylether | 10.40 | 248 | 11176 | 5.13 | ng | # 1 |

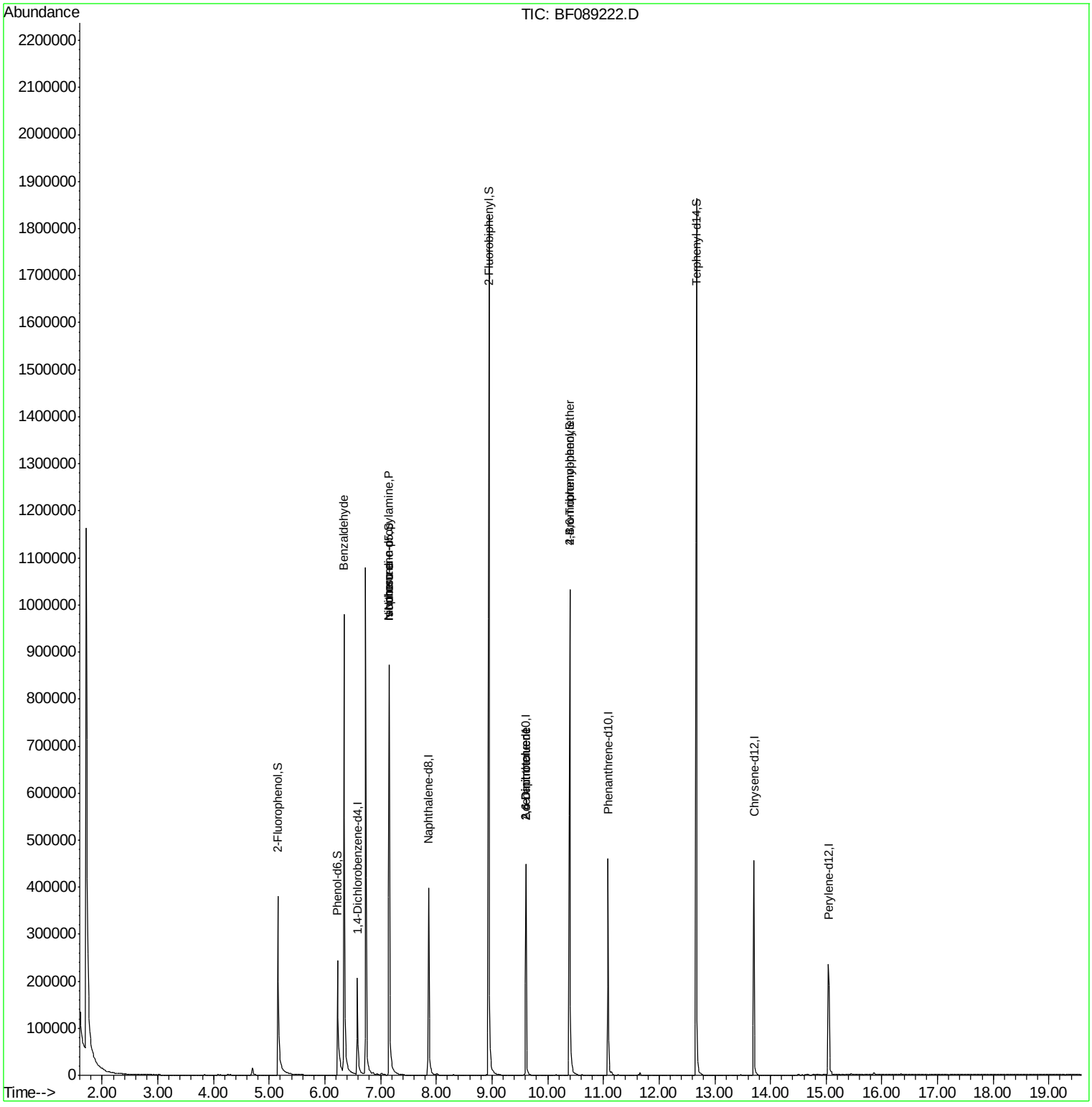
(#) = qualifier out of range (m) = manual integration (+) = signals summed

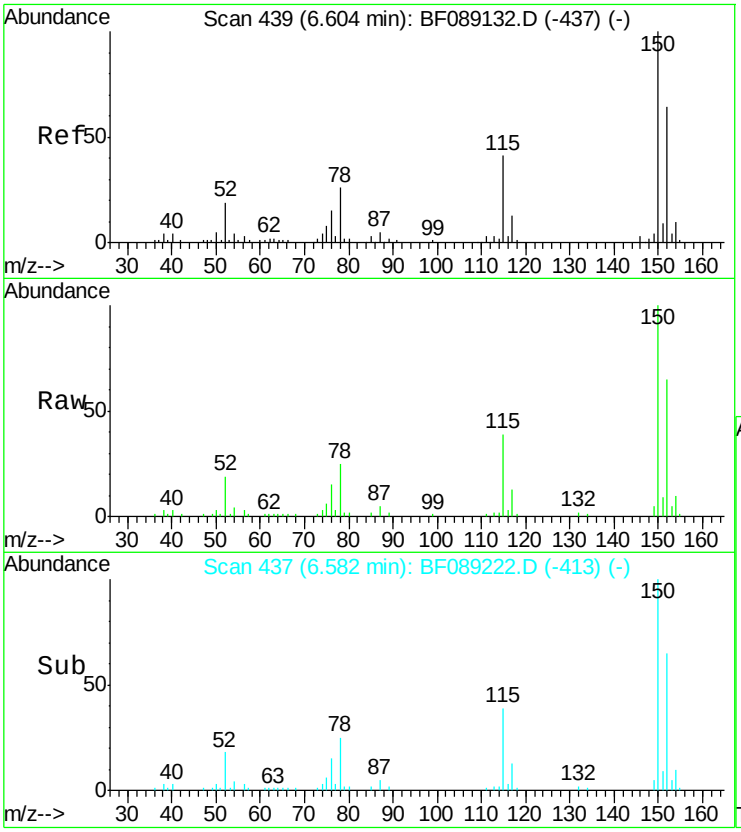
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089222.D
Acq On : 23 Jul 2016 7:22
Operator : UM/SJ
Sample : H4112-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jul 25 01:04:57 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration



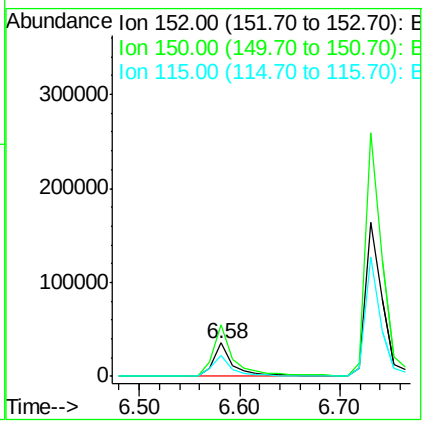


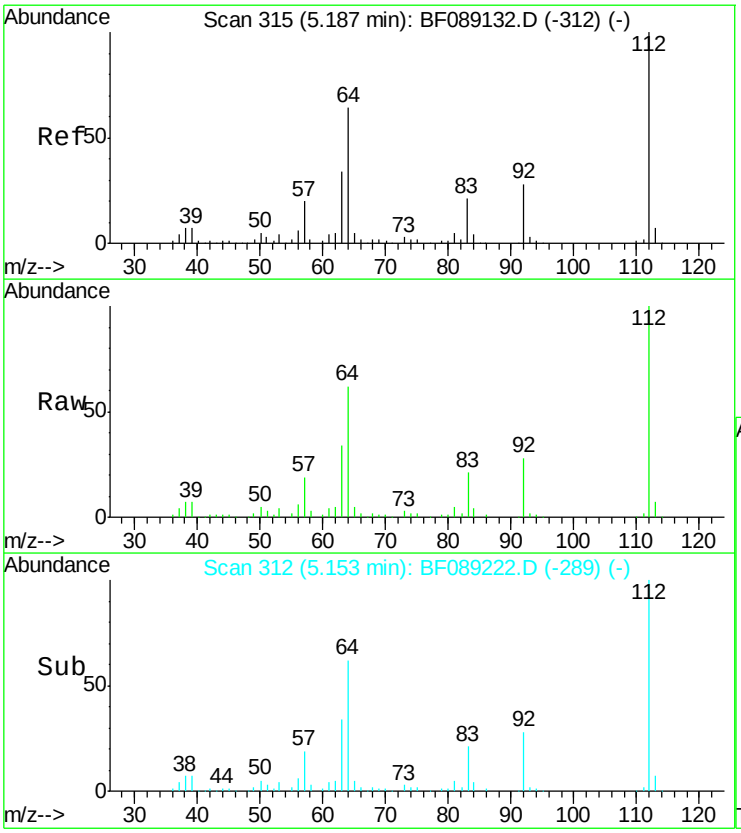

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:152 Resp: 51014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.9 | 125.1 | 187.7 |
| 115 | 61.0 | 51.1 | 76.7 |

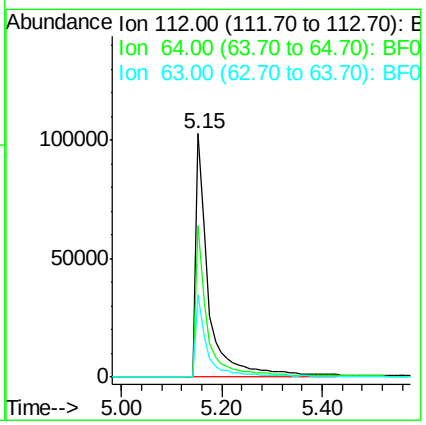


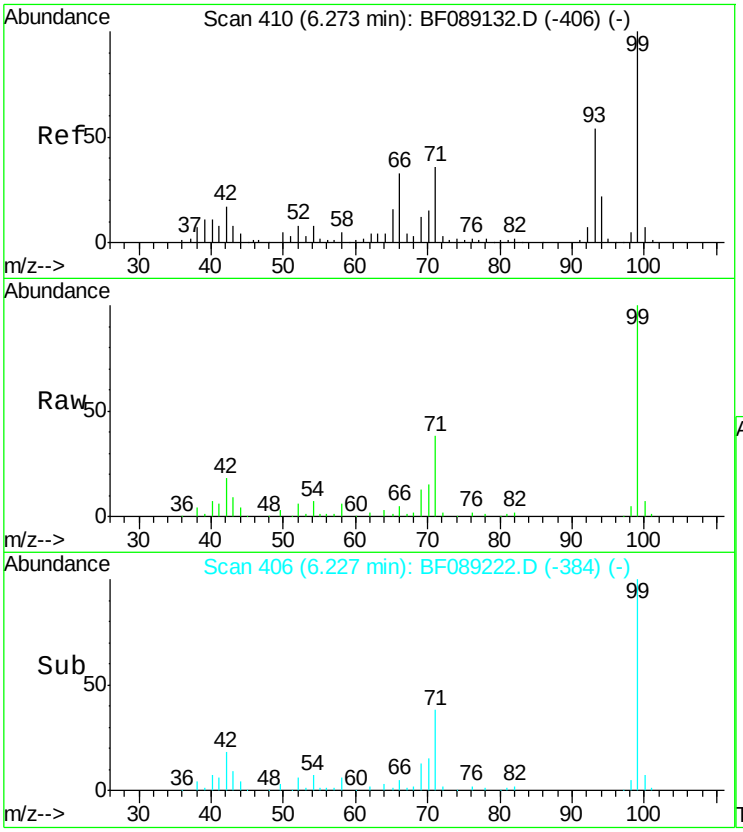




#5
2-Fluorophenol
Concen: 55.36 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.03 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:112 Resp: 185676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 51.0 | 76.4 |
| 63 | 33.8 | 27.3 | 40.9 |



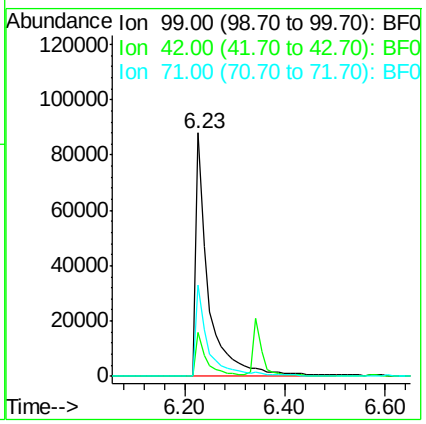


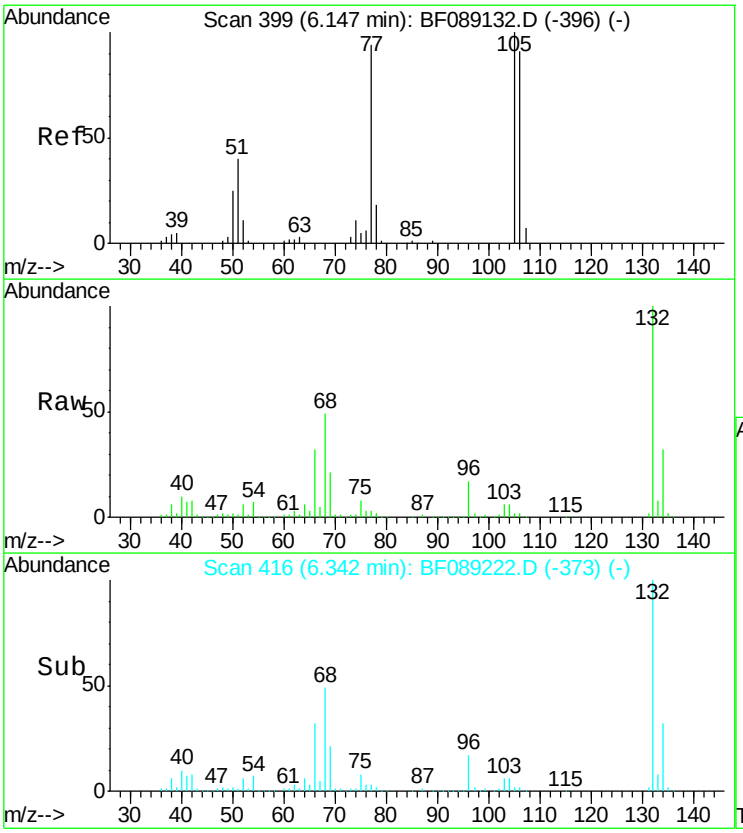

#7
Phenol-d6
Concen: 35.95 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.05 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion: 99 Resp: 155517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 13.5 | 20.3 |
| 71 | 37.7 | 28.9 | 43.3 |

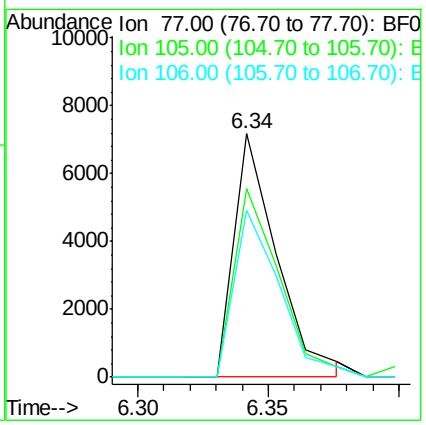


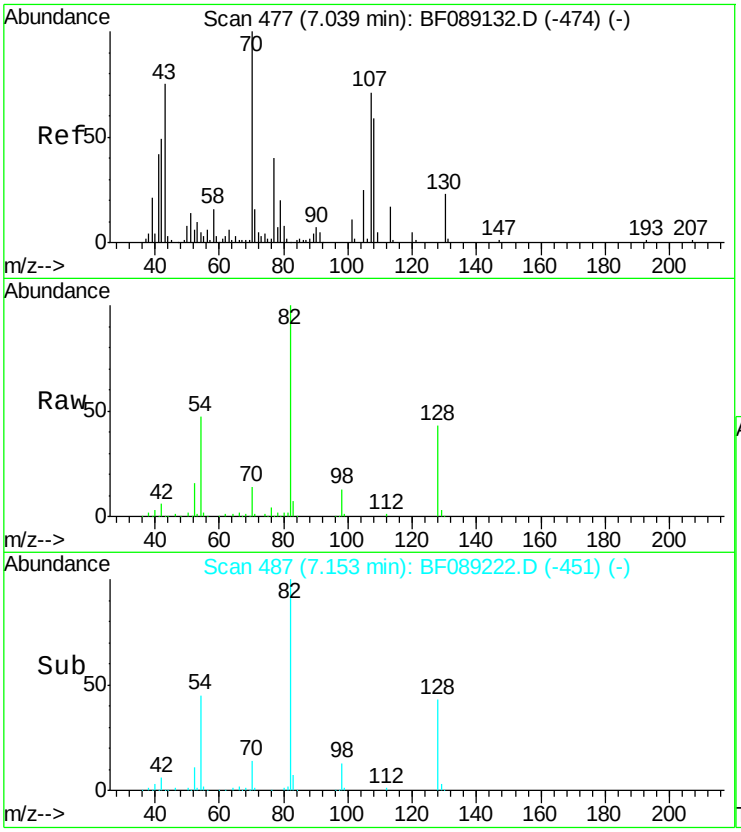




#9
Benzaldehyde
Concen: 2.64 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.19 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion: 77 Resp: 8297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 77.4 | 86.2 | 126.2# |
| 106 | 68.3 | 76.3 | 116.3# |



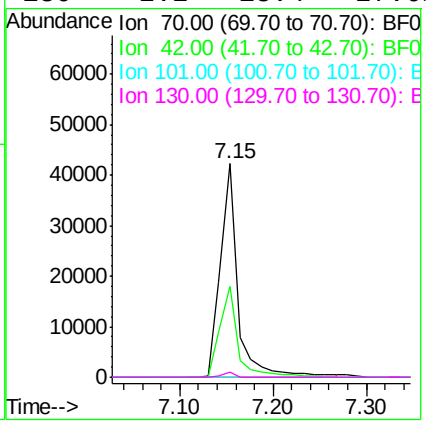


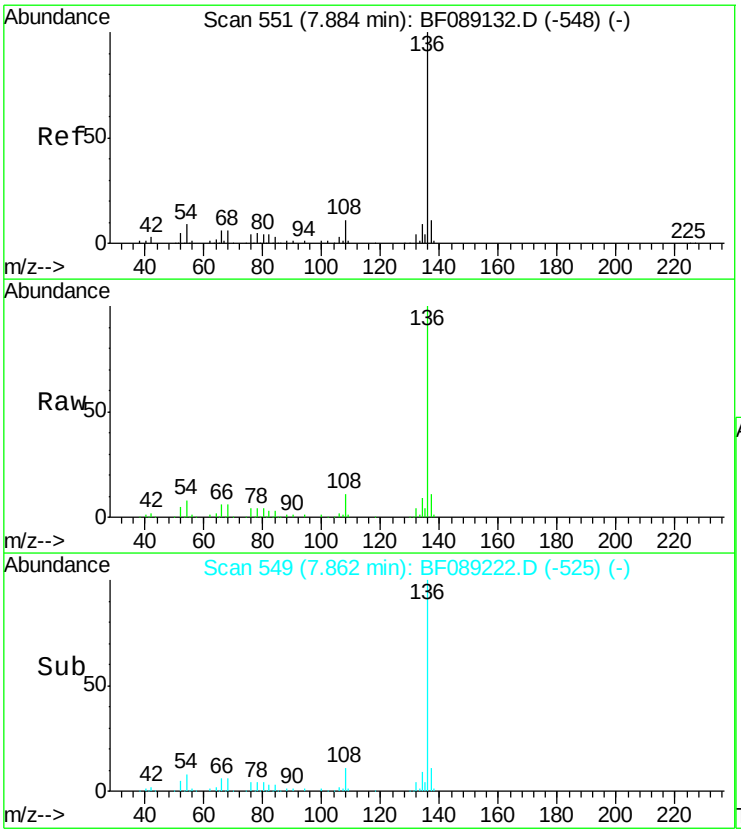

#19
n-Nitroso-di-n-propylamine
Concen: 19.39 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion: 70 Resp: 54861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.7 | 39.2 | 58.8 |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 2.2 | 18.4 | 27.6# |

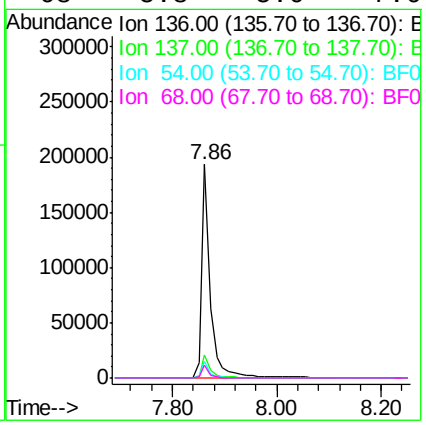


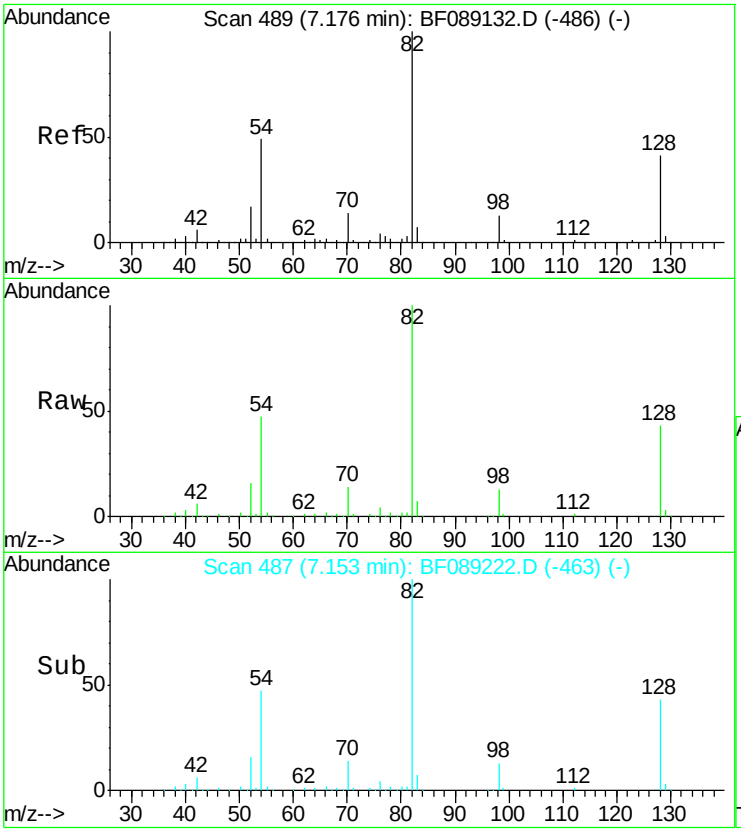




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:136 Resp: 227649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.7 | 7.0 | 10.4 |
| 68 | 5.8 | 5.0 | 7.6 |



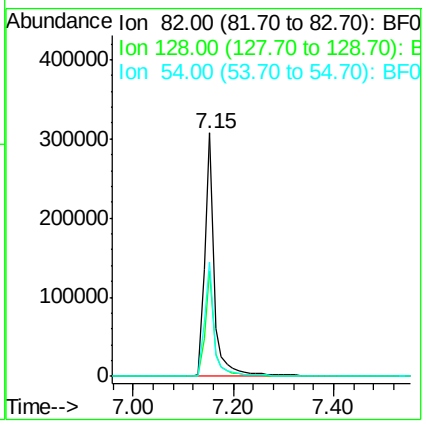


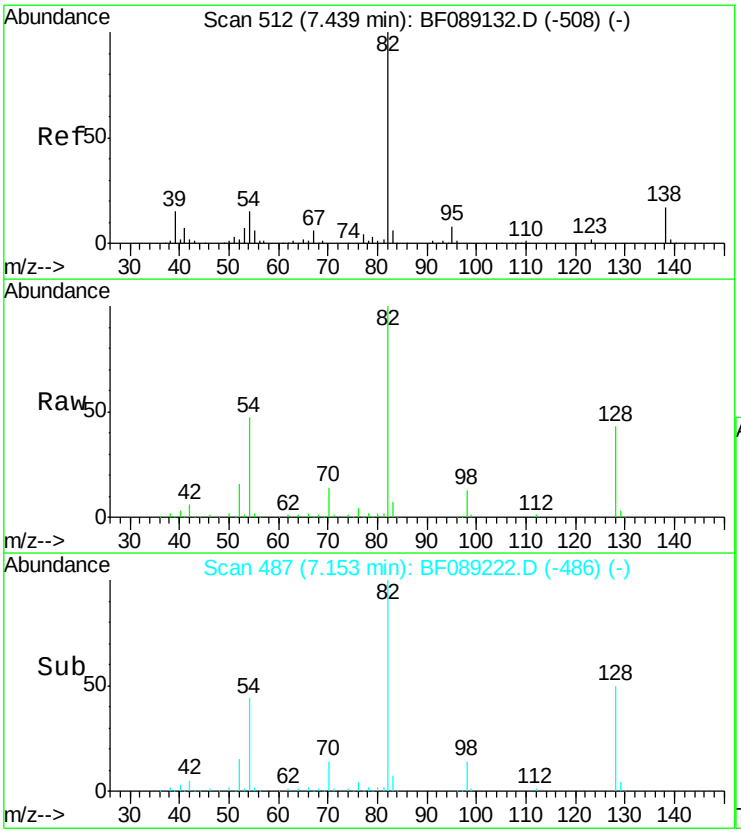

#23
Nitrobenzene-d5
Concen: 95.89 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion: 82 Resp: 410828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 33.0 | 49.6 |
| 54 | 46.7 | 39.0 | 58.4 |

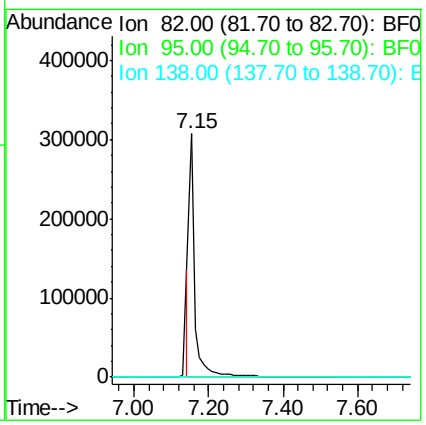


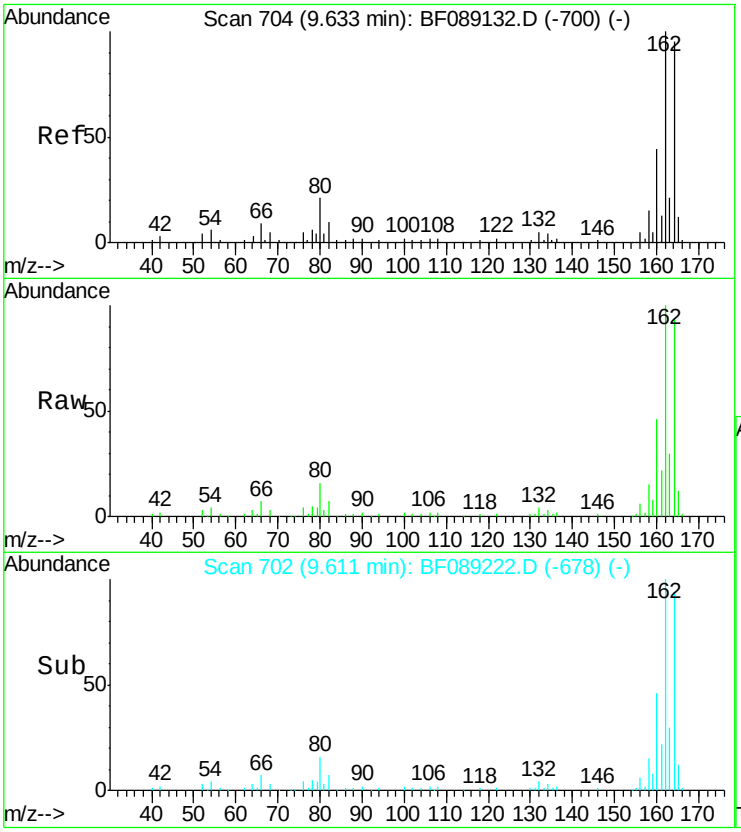




#25
Isophorone
Concen: 39.74 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion: 82 Resp: 313779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 6.1 | 9.1# |
| 138 | 0.0 | 13.6 | 20.4# |



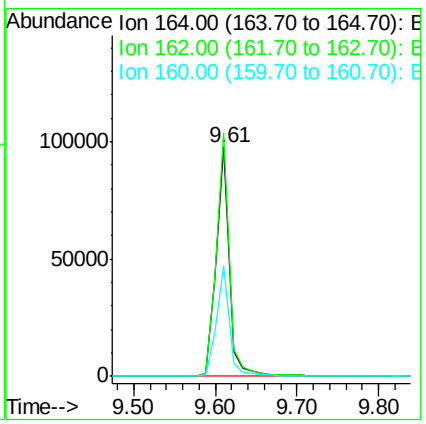


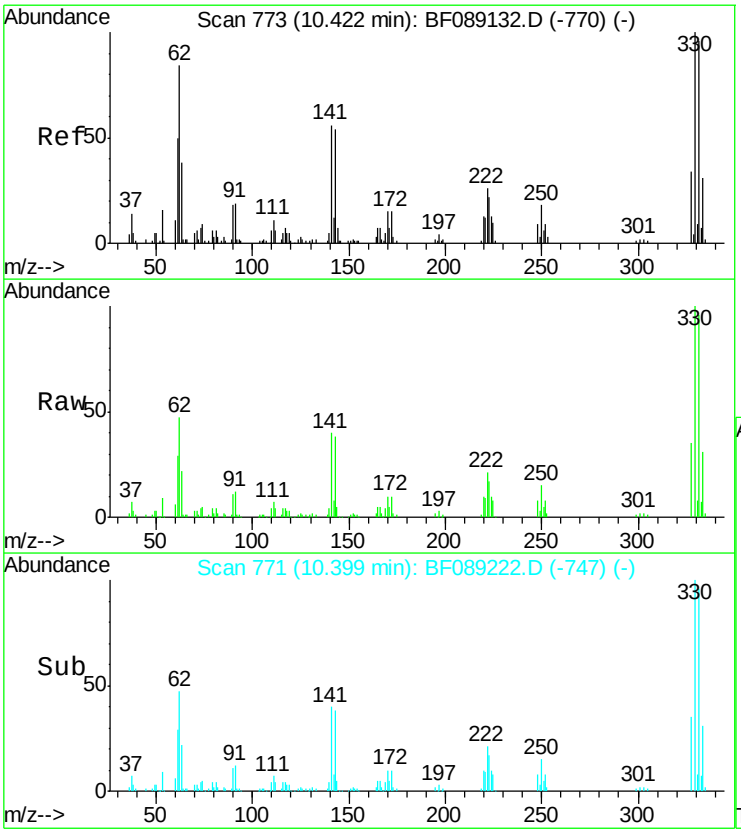

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:164 Resp: 109937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.1 | 84.1 | 126.1 |
| 160 | 48.3 | 37.1 | 55.7 |

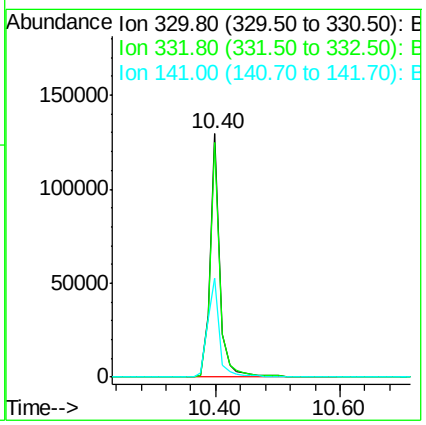


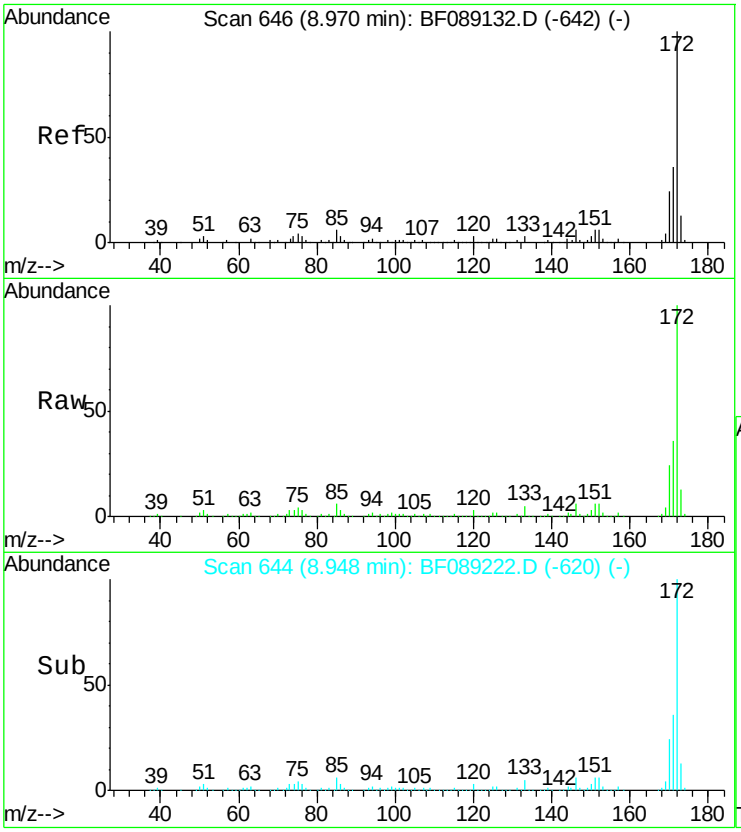




#41
2,4,6-Tribromophenol
Concen: 142.49 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:330 Resp: 141040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.2 | 115.8 |
| 141 | 48.3 | 42.2 | 63.2 |



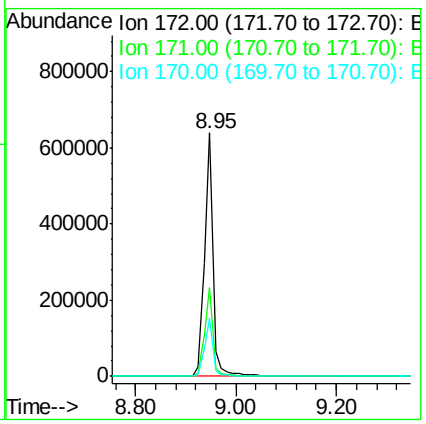


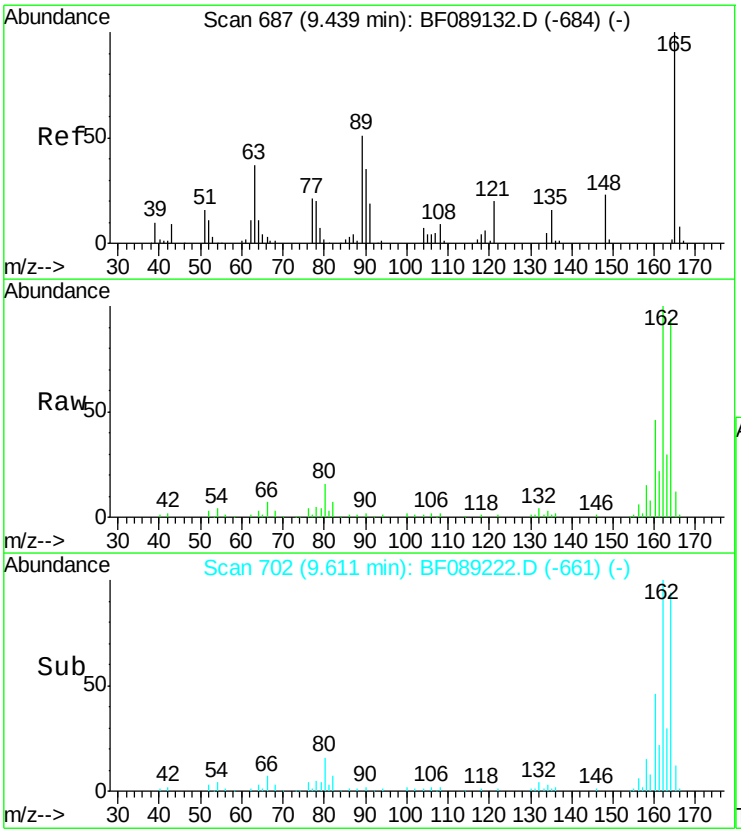

#44
2-Fluorobiphenyl
Concen: 95.03 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:172 Resp: 758230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.2 | 43.8 |
| 170 | 23.9 | 19.1 | 28.7 |

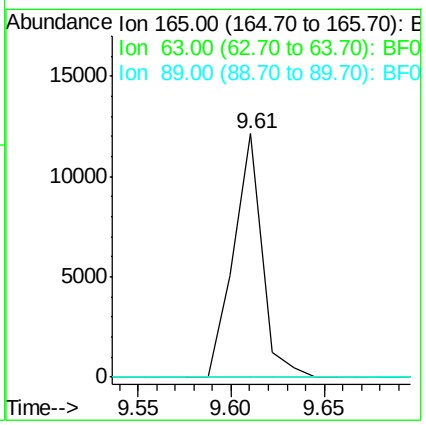


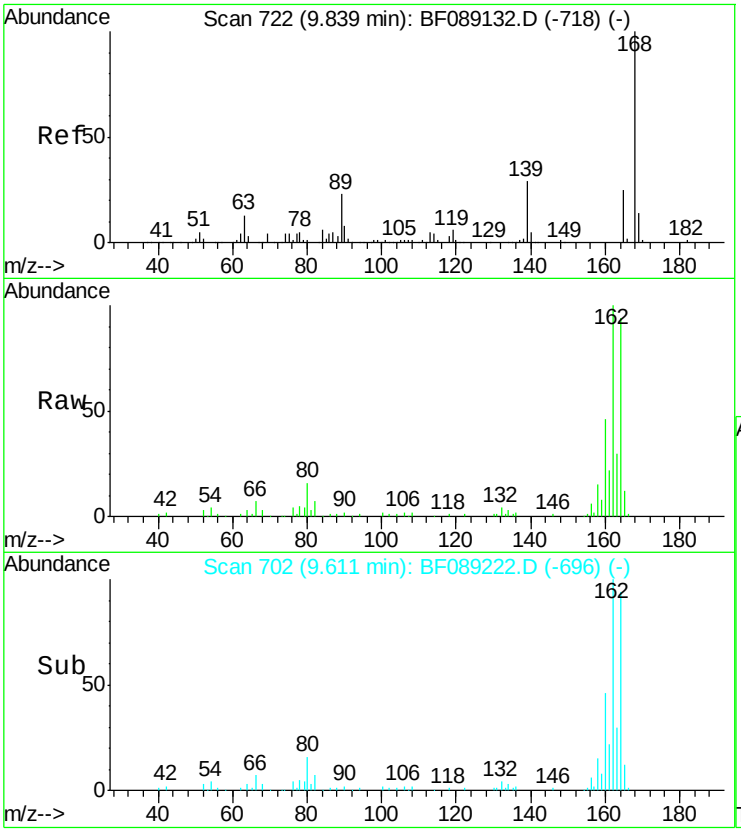




#50
2,6-Dinitrotoluene
Concen: 6.79 ng
RT: 9.61 min Scan# 702
Delta R.T. 0.17 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:165 Resp: 12924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 37.0 | 55.4# |
| 89 | 0.0 | 40.9 | 61.3# |



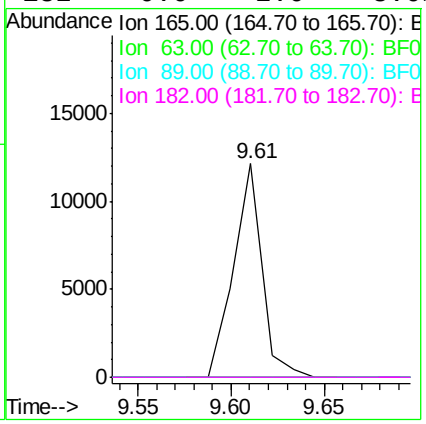


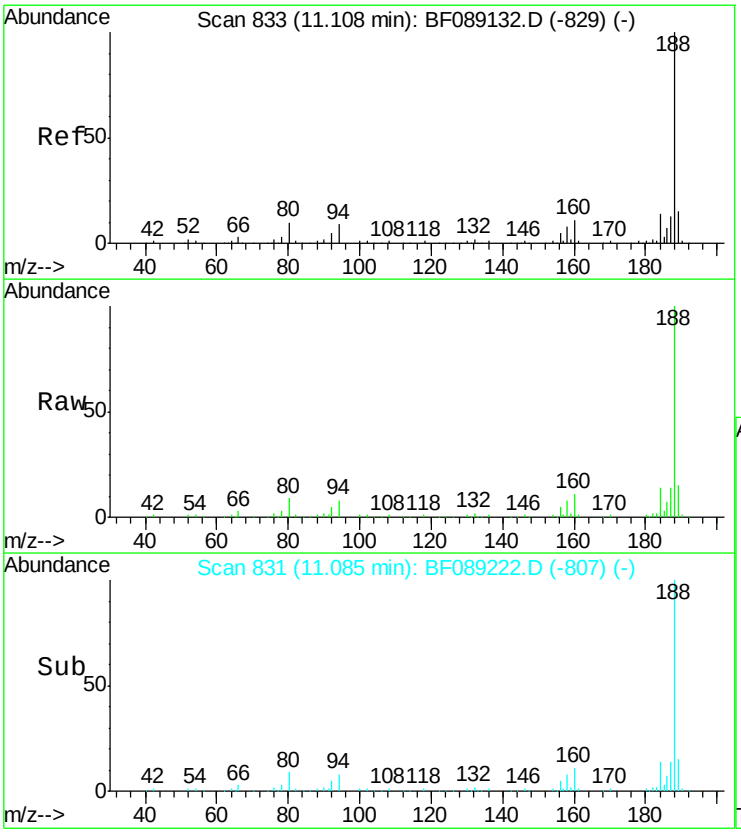

#56
2,4-Dinitrotoluene
Concen: 5.27 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:165 Resp: 12924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 55.4 | 83.2# |
| 89 | 0.0 | 74.3 | 111.5# |
| 182 | 0.0 | 2.0 | 3.0# |

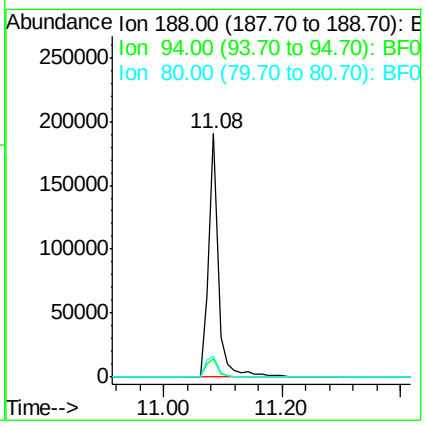


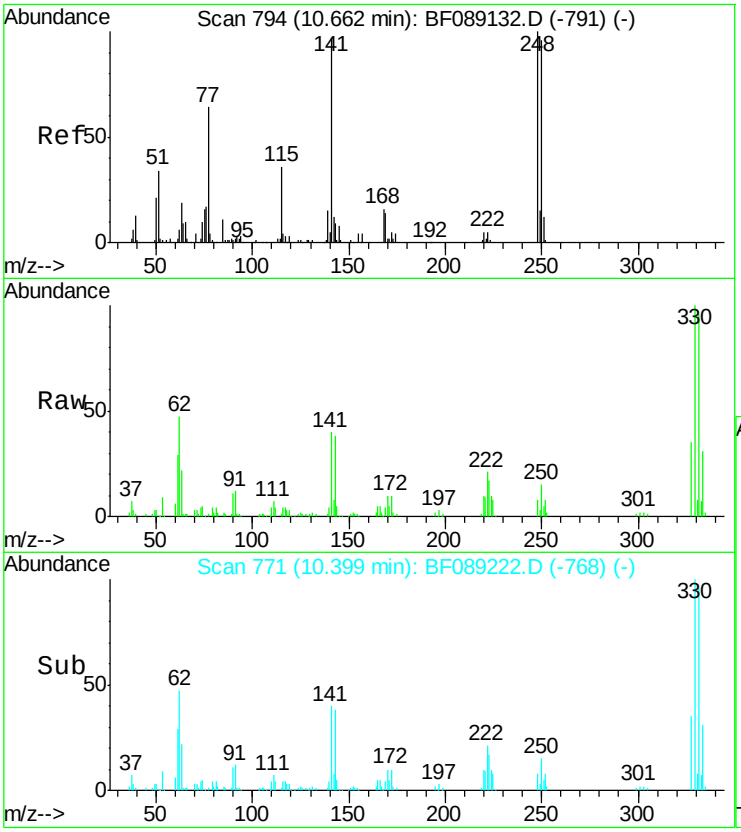




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:188 Resp: 220252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 7.0 | 10.4 |
| 80 | 8.8 | 7.7 | 11.5 |



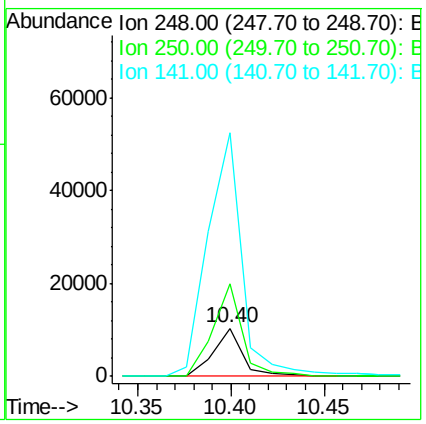


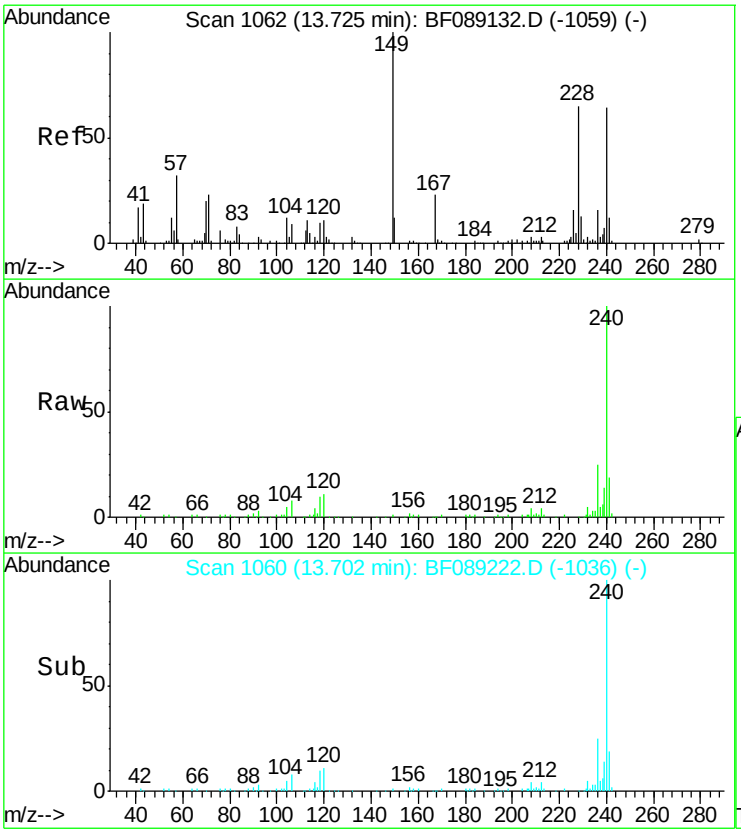

#66
4-Bromophenyl-phenylether
Concen: 5.13 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:248 Resp: 11176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 191.6 | 76.9 | 115.3# |
| 141 | 503.8 | 77.4 | 116.2# |

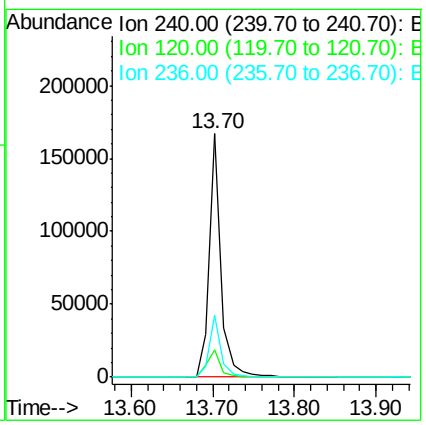


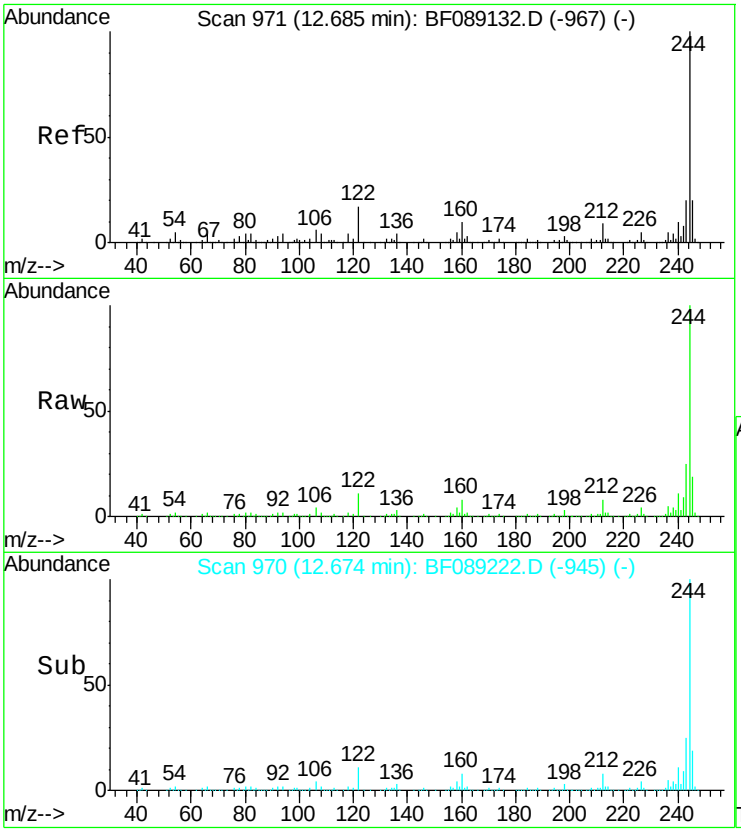




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:240 Resp: 170796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 13.6 | 20.4# |
| 236 | 25.3 | 20.5 | 30.7 |



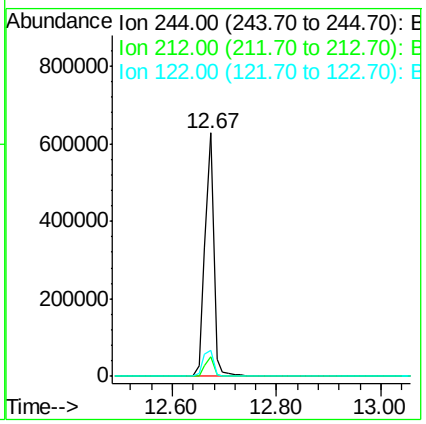


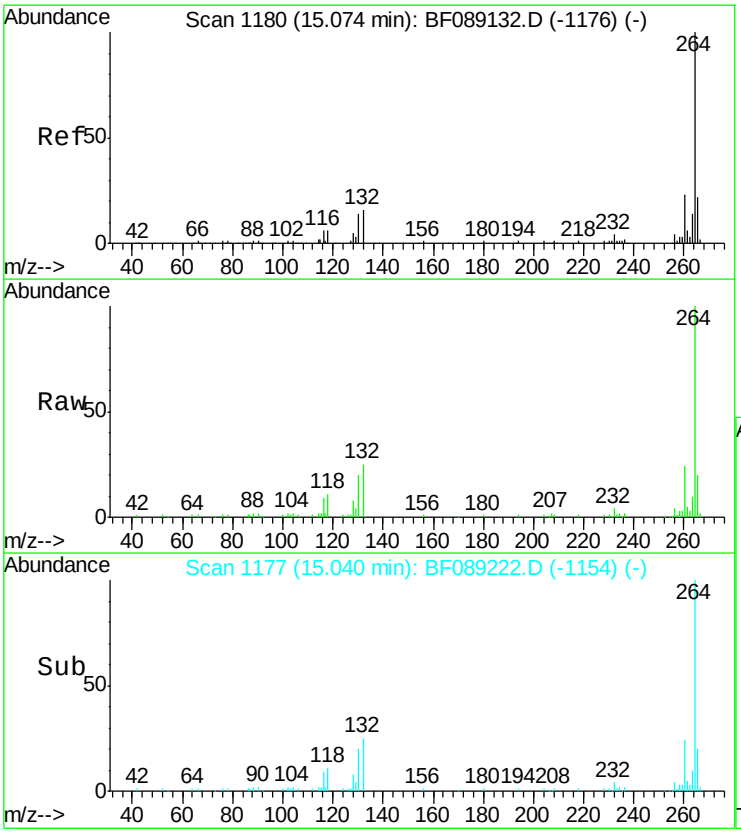

#78
Terphenyl-d14
Concen: 92.91 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

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

Tgt Ion:244 Resp: 731598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 7.0 | 10.4 |
| 122 | 10.7 | 13.8 | 20.8# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.03 min
Lab File: BF089222.D
Acq: 23 Jul 2016 7:22

Tgt Ion:264 Resp: 127034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.5 | 27.7 |
| 265 | 20.2 | 17.3 | 25.9 |