Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086085.D
Acq On : 5 Apr 2016 20:32
Operator : UM/SJ
Sample : H2180-09RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FB-20160401RE

Quant Time: Apr 06 00:52:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 116002 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.04 | 136 | 445999 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 218174 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.28 | 188 | 399416 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.90 | 240 | 284613 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.31 | 264 | 217575 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 514425 | 75.80 | ng | | -0.02 |
| 7) Phenol-d6 | 6.40 | 99 | 448357 | 52.01 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 654693 | 86.57 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 250663 | 122.41 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 1074850 | 81.91 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.86 | 244 | 1128520 | 93.21 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.52 | 77 | 17294 | 3.73 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 88340 | 16.53 | ng | # | 77 |
| 25) Isophorone | 7.32 | 82 | 514308 | 34.45 | ng | # | 68 |
| 50) 2,6-Dinitrotoluene | 9.79 | 165 | 27571 | 8.06 | ng | # | 19 |
| 56) 2,4-Dinitrotoluene | 9.79 | 165 | 27571 | 6.38 | ng | # | 37 |
| 66) 4-Bromophenyl-phenylether | 10.58 | 248 | 16811 | 4.12 | ng | # | 1 |

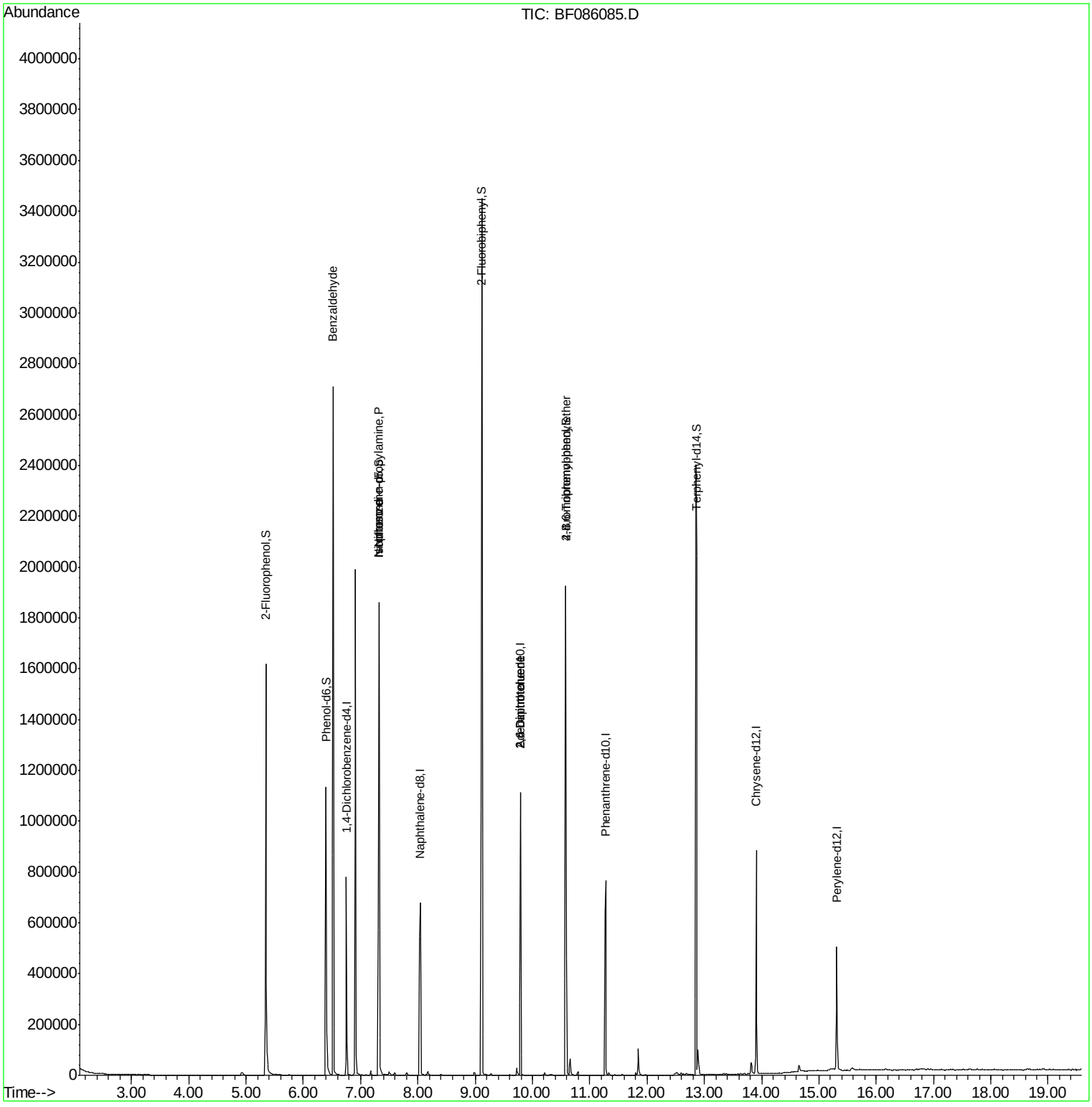
(#) = qualifier out of range (m) = manual integration (+) = signals summed

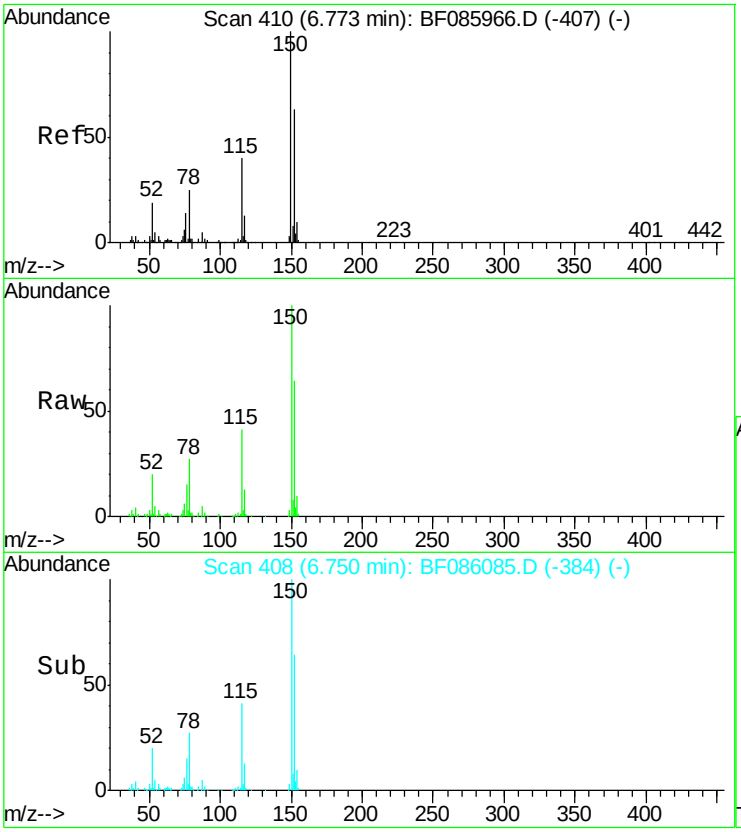
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086085.D
Acq On : 5 Apr 2016 20:32
Operator : UM/SJ
Sample : H2180-09RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Quant Time: Apr 06 00:52:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration



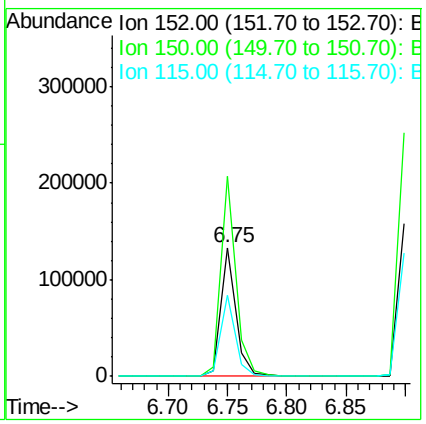


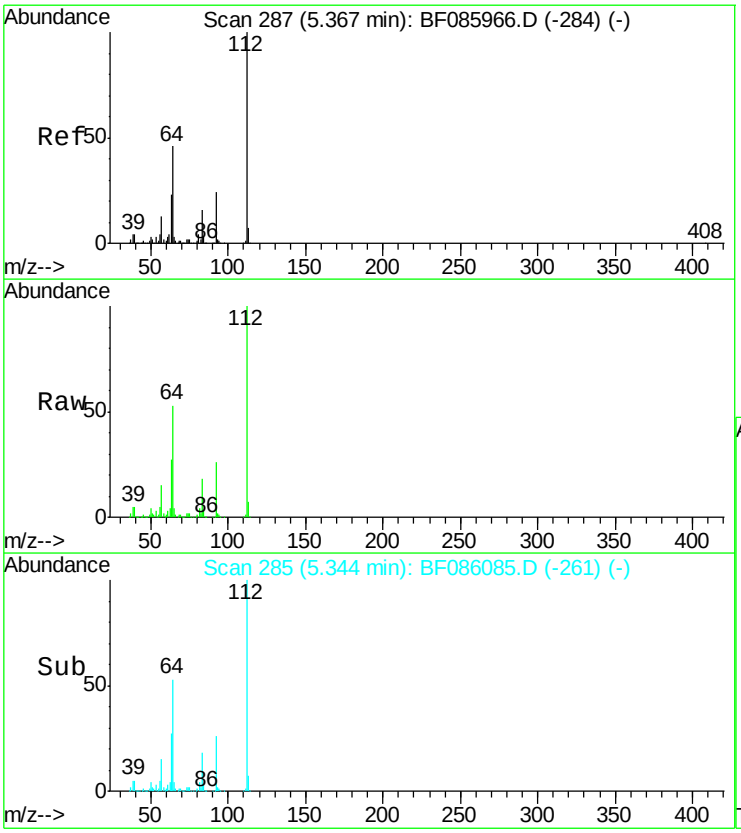

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:152 Resp: 116002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 124.2 | 186.2 |
| 115 | 63.1 | 47.0 | 70.6 |

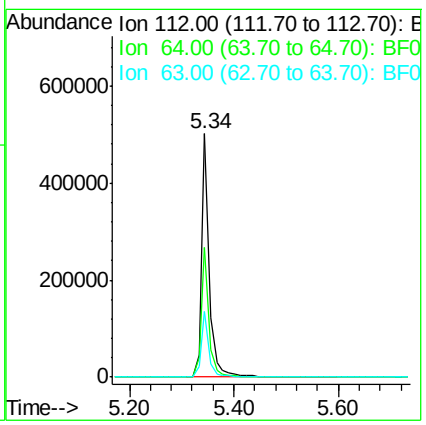


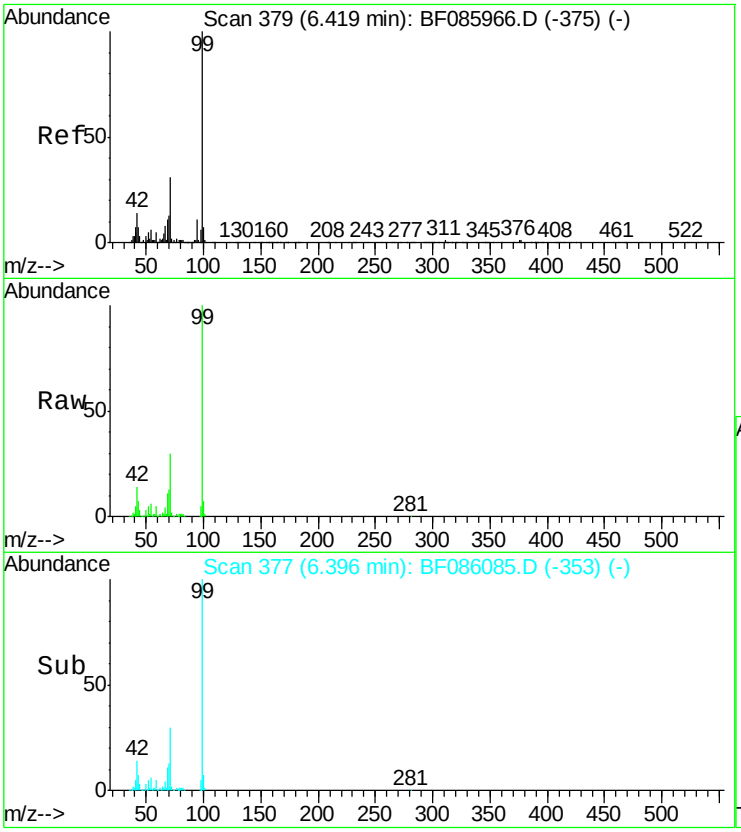




#5
2-Fluorophenol
Concen: 75.80 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:112 Resp: 514425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.3 | 39.9 | 59.9 |
| 63 | 27.1 | 20.2 | 30.2 |



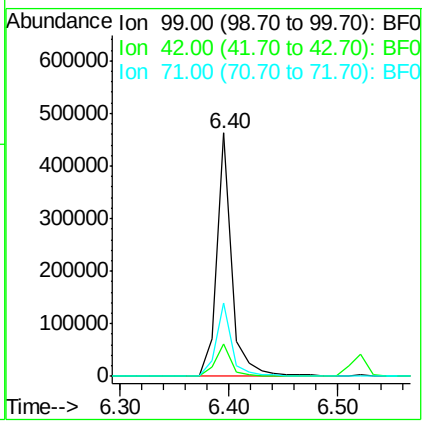


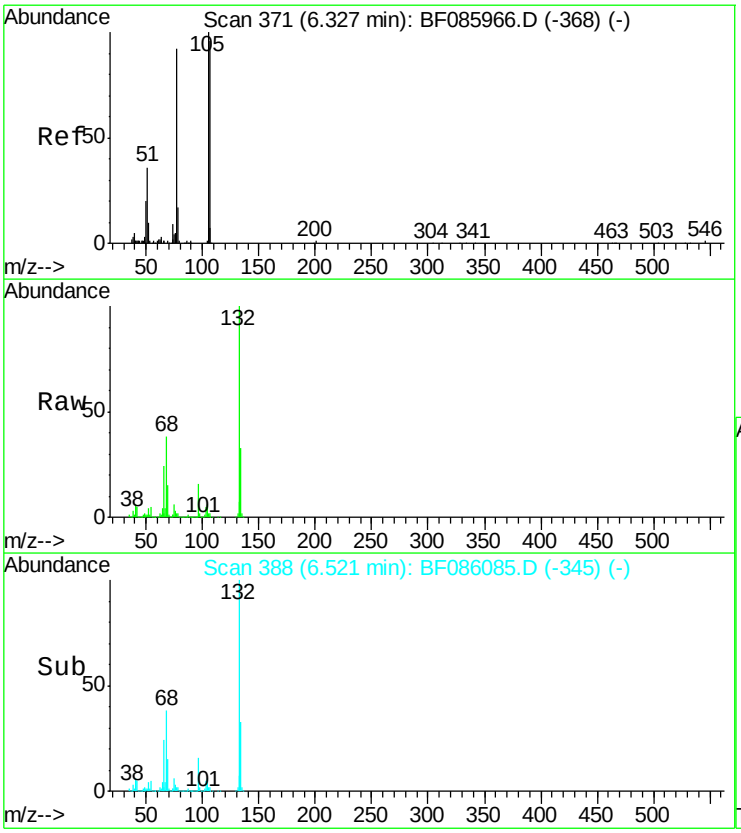

#7
Phenol-d6
Concen: 52.01 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion: 99 Resp: 448357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.6 | 11.1 | 16.7 |
| 71 | 29.9 | 24.9 | 37.3 |

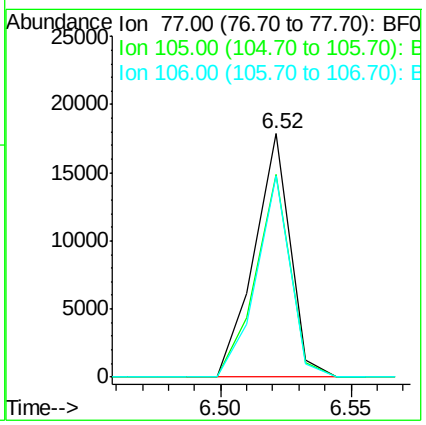


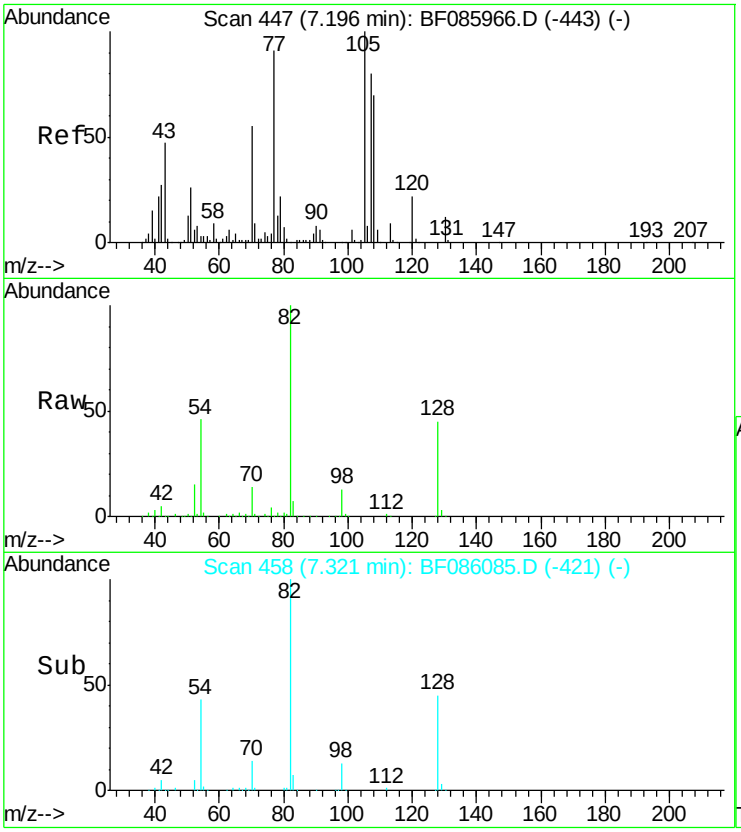




#9
Benzaldehyde
Concen: 3.73 ng
RT: 6.52 min Scan# 388
Delta R.T. 0.19 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion: 77 Resp: 17294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 83.0 | 80.1 | 120.1 |
| 106 | 82.7 | 75.0 | 115.0 |



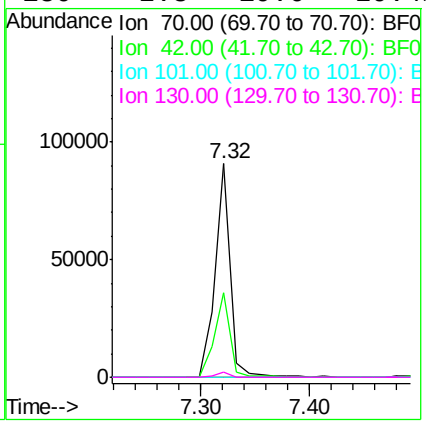


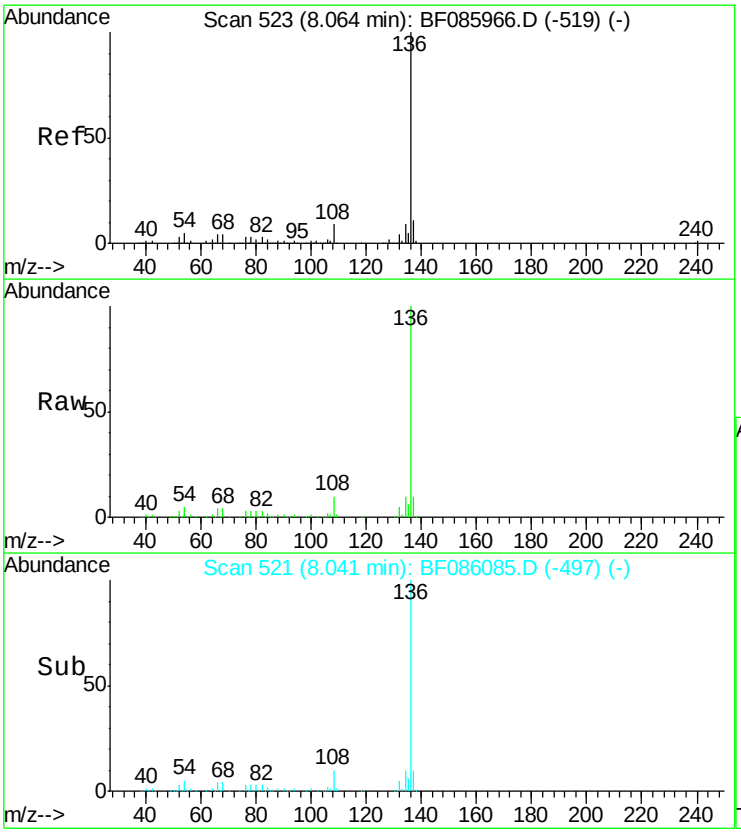

#19
n-Nitroso-di-n-propylamine
Concen: 16.53 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.13 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion: 70 Resp: 88340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.5 | 37.1 | 55.7 |
| 101 | 0.0 | 8.6 | 12.8# |
| 130 | 2.3 | 19.6 | 29.4# |

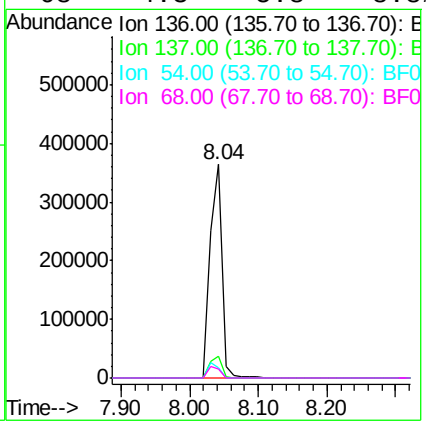


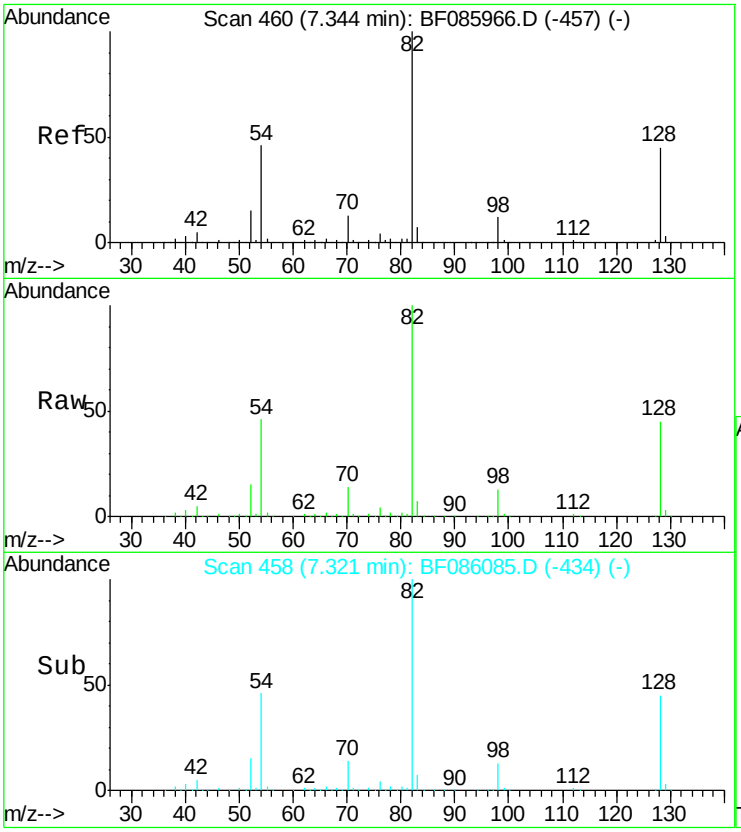




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:136 Resp: 445999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.1 | 13.7 |
| 54 | 4.8 | 7.4 | 11.0# |
| 68 | 4.3 | 5.8 | 8.8# |



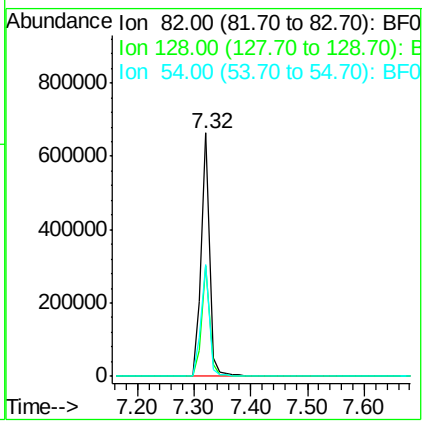


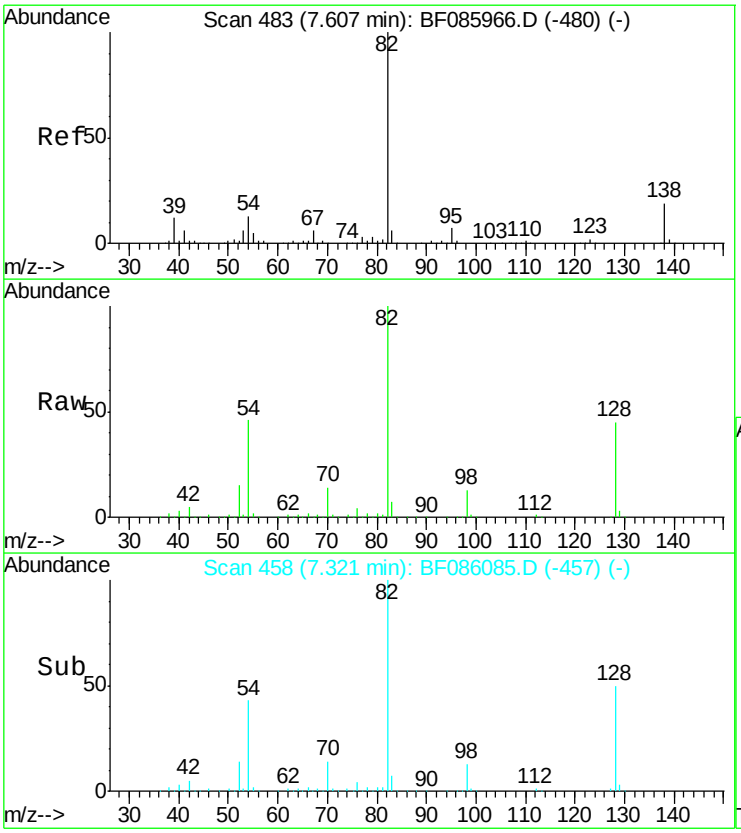

#23
Nitrobenzene-d5
Concen: 86.57 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion: 82 Resp: 654693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 41.8 | 62.8 |
| 54 | 45.8 | 33.4 | 50.0 |

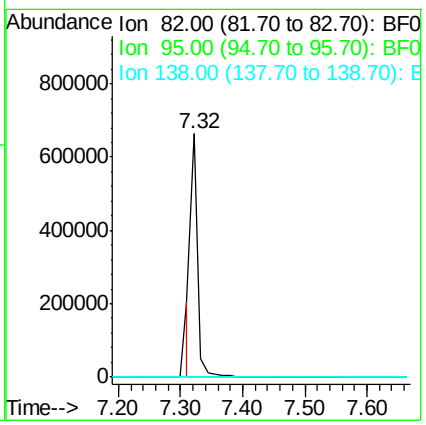


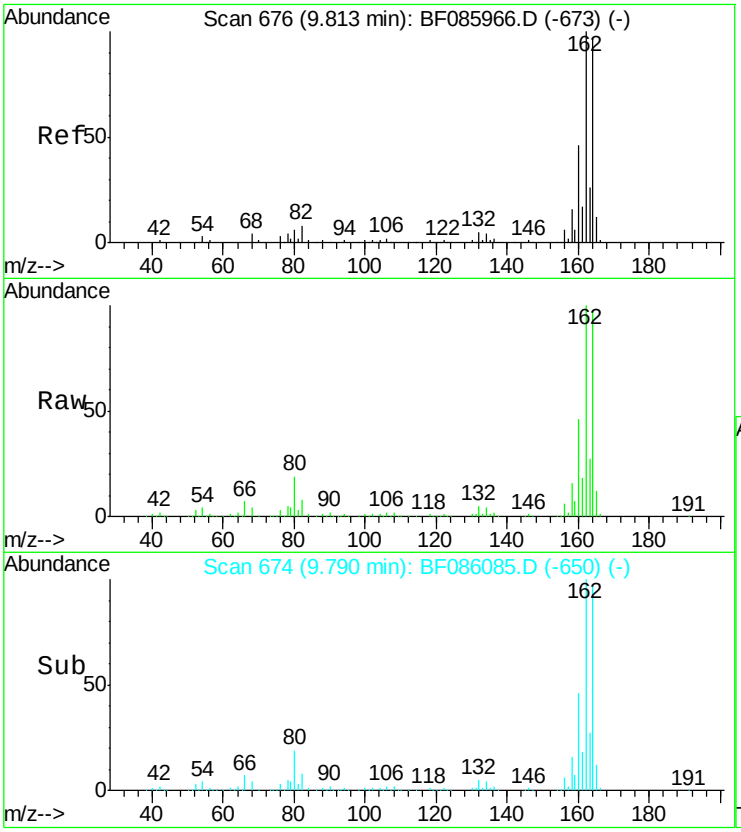




#25
Isophorone
Concen: 34.45 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.29 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion: 82 Resp: 514308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 12.9 | 19.3# |



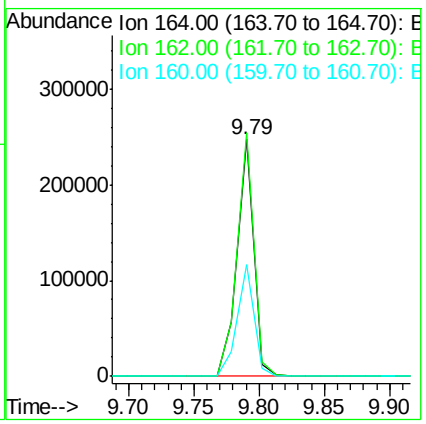


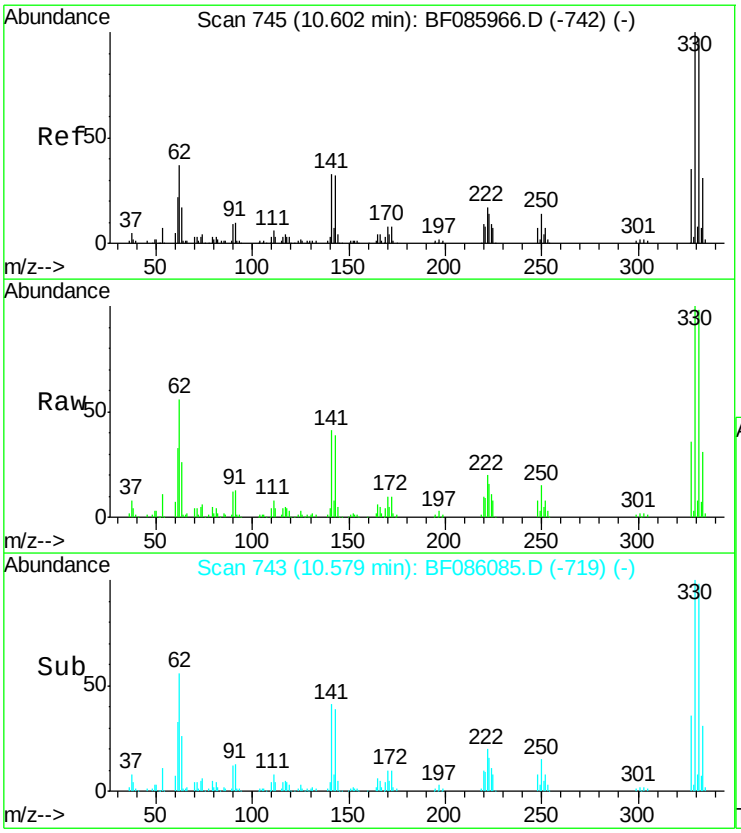

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:164 Resp: 218174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 82.1 | 123.1 |
| 160 | 47.3 | 37.4 | 56.2 |

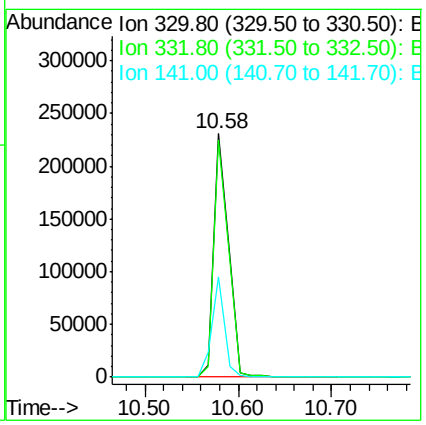


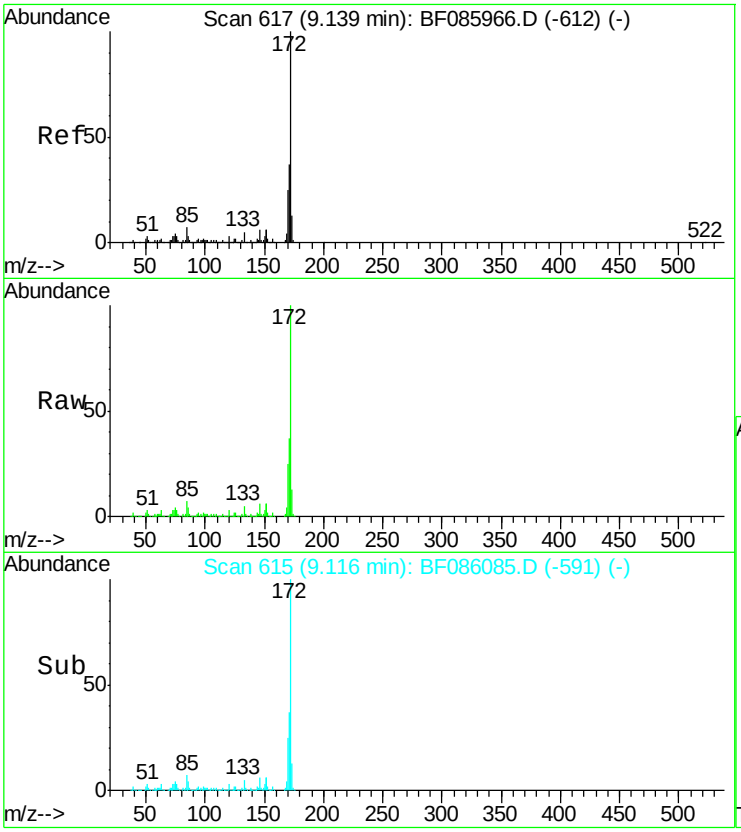




#41
2,4,6-Tribromophenol
Concen: 122.41 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:330 Resp: 250663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 78.2 | 117.2 |
| 141 | 36.2 | 31.5 | 47.3 |



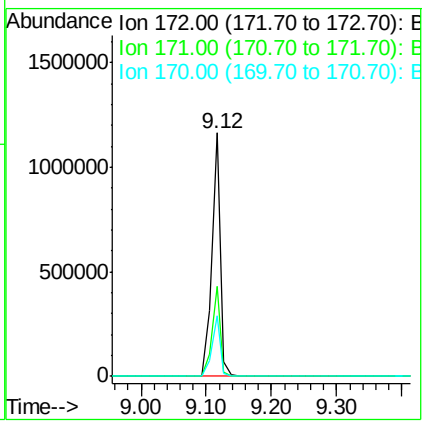


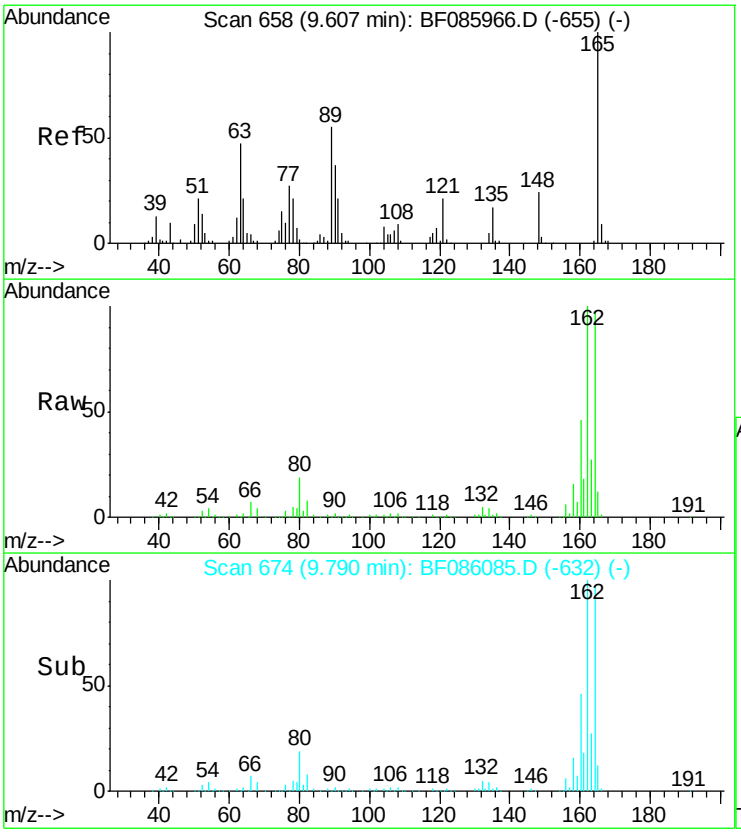

#44
2-Fluorobiphenyl
Concen: 81.91 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:172 Resp: 1074850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.4 | 44.2 |
| 170 | 24.8 | 19.8 | 29.6 |

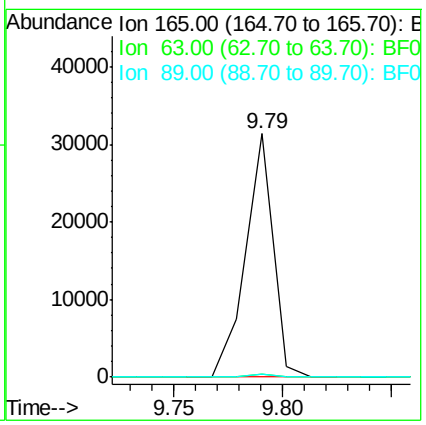


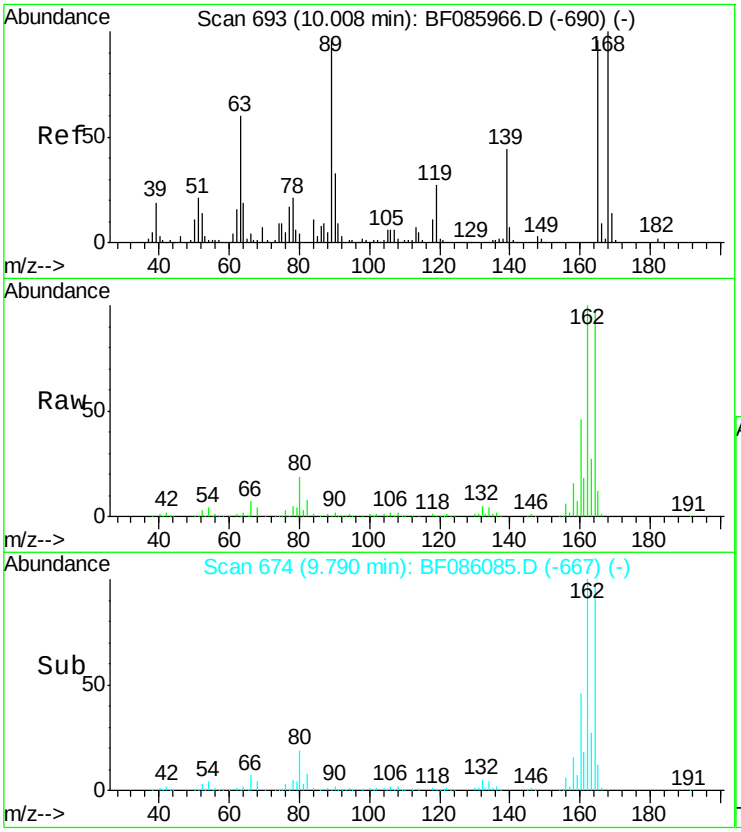




#50
2,6-Dinitrotoluene
Concen: 8.06 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.18 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:165 Resp: 27571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 51.8 | 77.8# |
| 89 | 1.4 | 53.7 | 80.5# |



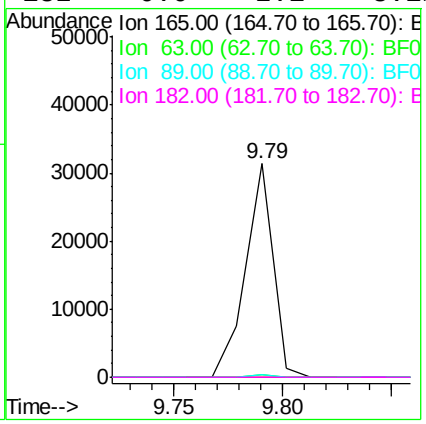


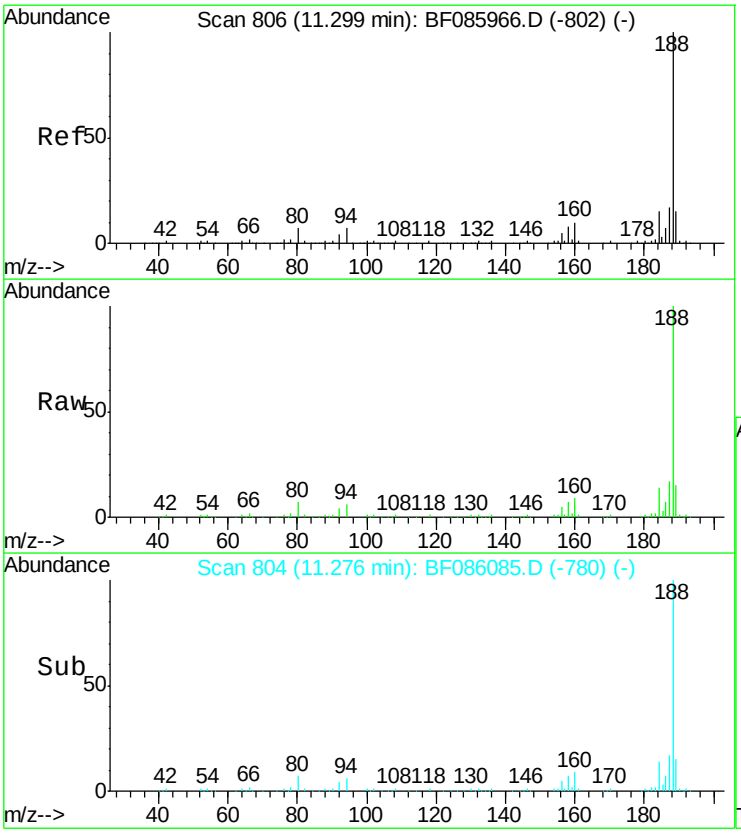

#56
2,4-Dinitrotoluene
Concen: 6.38 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.22 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:165 Resp: 27571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 24.9 | 37.3# |
| 89 | 1.4 | 41.0 | 61.6# |
| 182 | 0.0 | 2.1 | 3.1# |

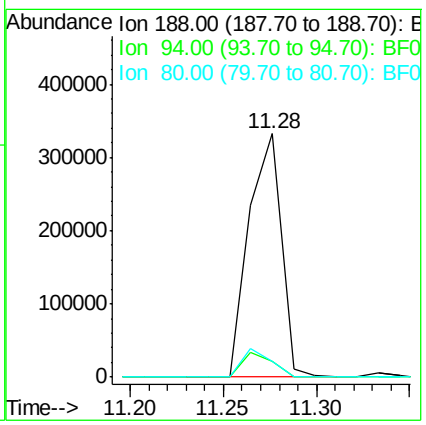


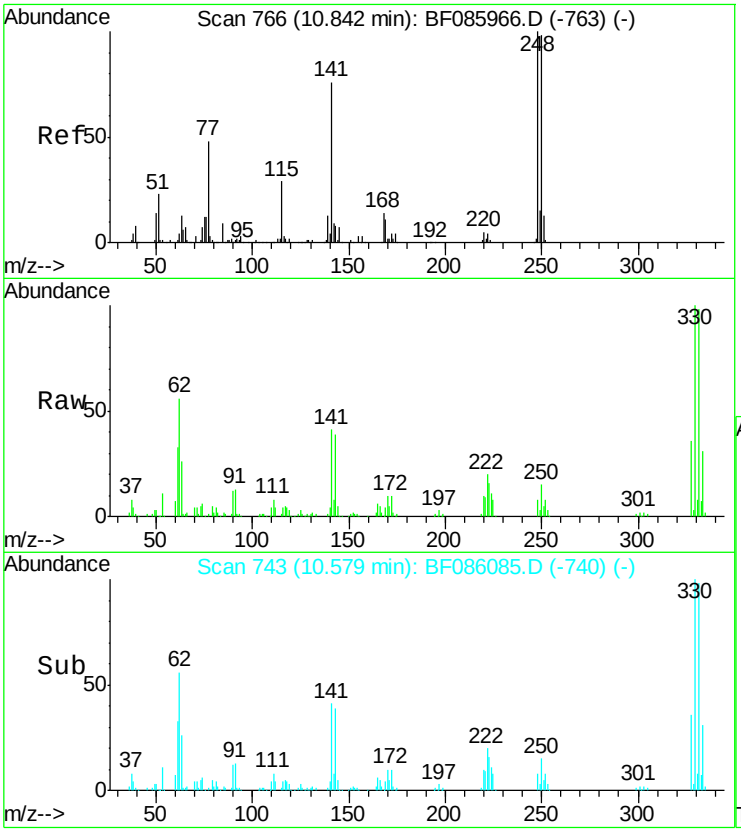




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:188 Resp: 399416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.3 | 5.4 | 8.0 |
| 80 | 6.7 | 5.5 | 8.3 |



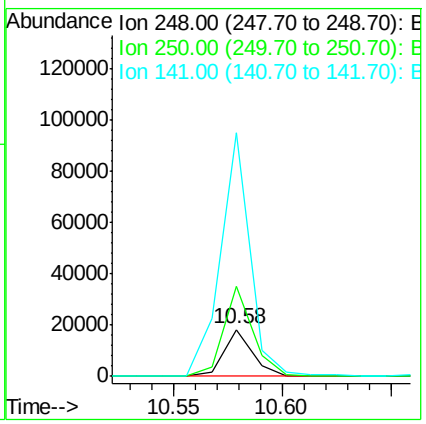


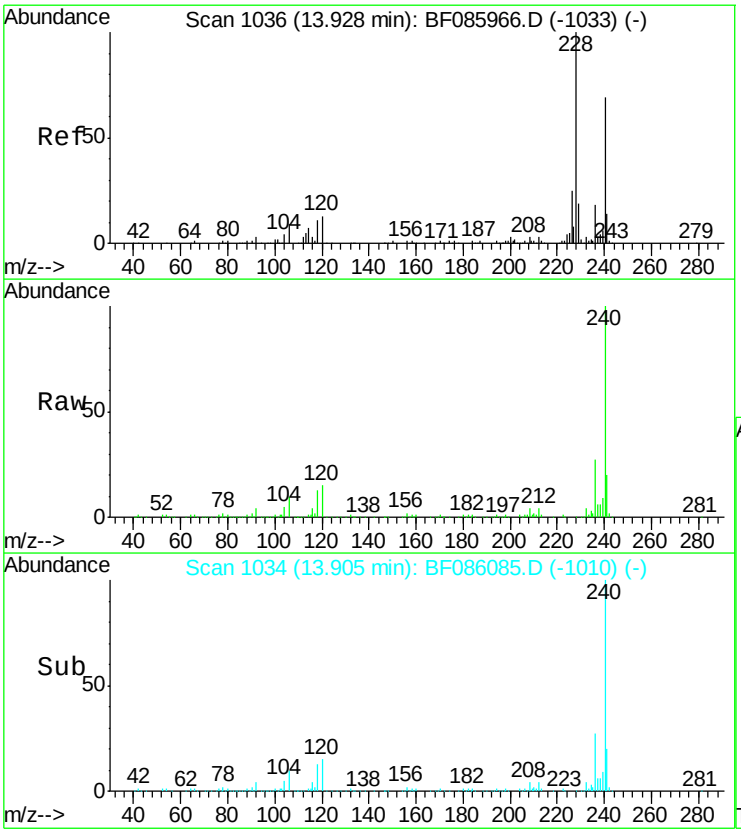

#66
4-Bromophenyl-phenylether
Concen: 4.12 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.26 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:248 Resp: 16811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.5 | 77.4 | 116.0# |
| 141 | 518.7 | 63.6 | 95.4# |

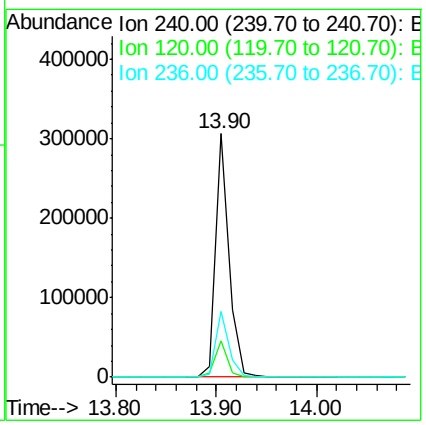


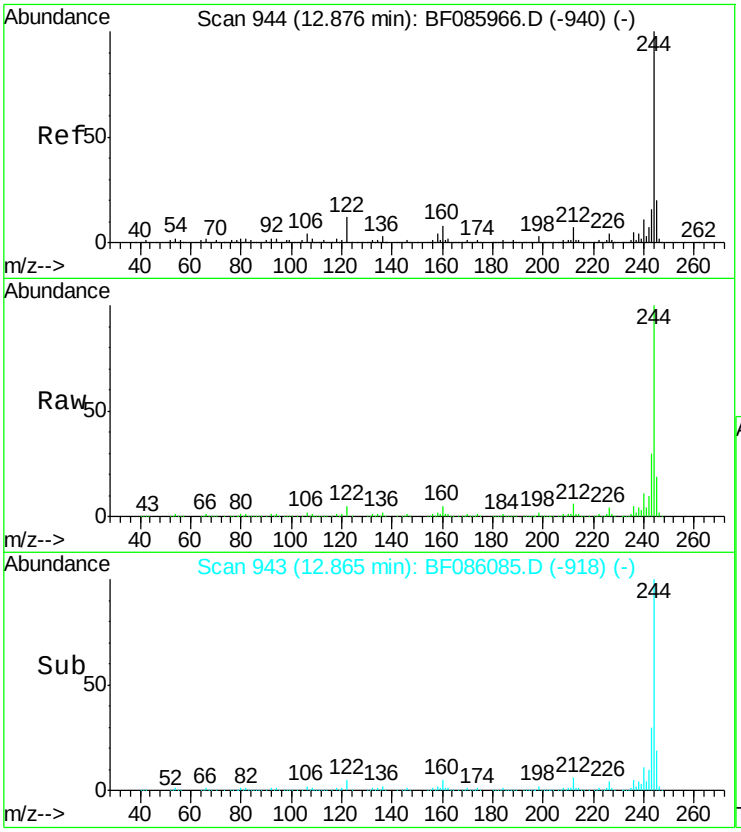




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:240 Resp: 284613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.9 | 13.8 | 20.8 |
| 236 | 26.9 | 20.6 | 30.8 |



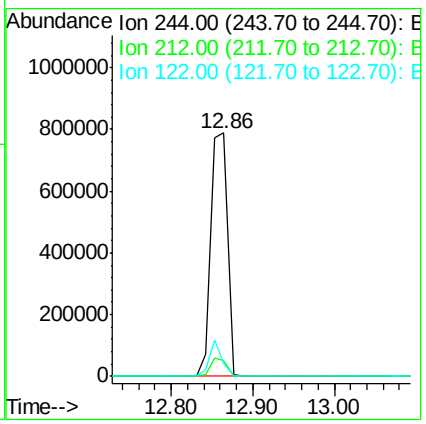


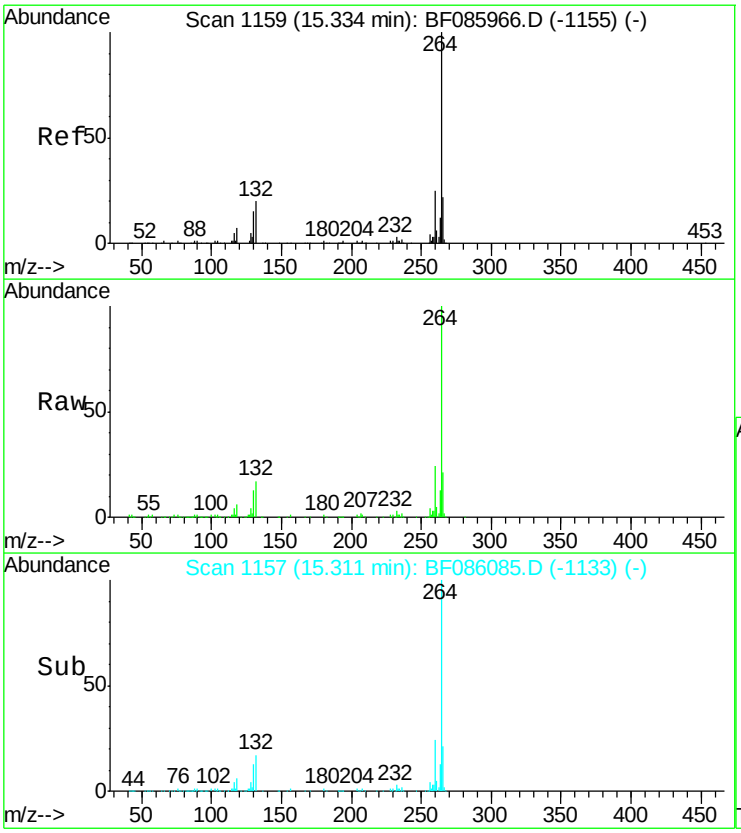

#78
Terphenyl-d14
Concen: 93.21 ng
RT: 12.86 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

**Instrument :**
BNA_F
**ClientSampleId :**
FB-20160401RE

Tgt Ion:244 Resp: 1128520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 6.1 | 9.1 |
| 122 | 5.5 | 10.2 | 15.4# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:264 Resp: 217575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.2 |
| 265 | 21.4 | 17.2 | 25.8 |