Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
Data File : BF092862.D
Acq On : 8 Feb 2017 19:24
Operator : SJ/MA
Sample : PB96817TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB96817TB

Quant Time: Feb 08 23:43:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 137473 | 20.00 | ng | | -0.07 |
| 21) Naphthalene-d8 | 8.18 | 136 | 555460 | 20.00 | ng | | -0.08 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 298222 | 20.00 | ng | | -0.08 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 529881 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 14.05 | 240 | 500871 | 20.00 | ng | | -0.09 |
| 86) Perylene-d12 | 15.51 | 264 | 459667 | 20.00 | ng | | -0.10 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1093696 | 136.49 | ng | | -0.07 |
| 7) Phenol-d6 | 6.53 | 99 | 1326364 | 128.65 | ng | | -0.07 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 769325 | 77.13 | ng | | -0.08 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 322961 | 149.73 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 1411738 | 85.76 | ng | | -0.08 |
| 78) Terphenyl-d14 | 13.01 | 244 | 1636843 | 76.79 | ng | | -0.07 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.67 | 77 | 23572 | 3.19 | ng | | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.46 | 70 | 100159 | 15.26 | ng | # | 85 |
| 25) Isophorone | 7.46 | 82 | 768887 | 41.37 | ng | # | 65 |
| 50) 2,6-Dinitrotoluene | 9.93 | 165 | 38320 | 8.83 | ng | # | 30 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 38321 | 6.64 | ng | # | 19 |
| 64) 4,6-Dinitro-2-methylphenol | 10.73 | 198 | 669 | 2.86 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 24486 | 4.42 | ng | # | 1 |

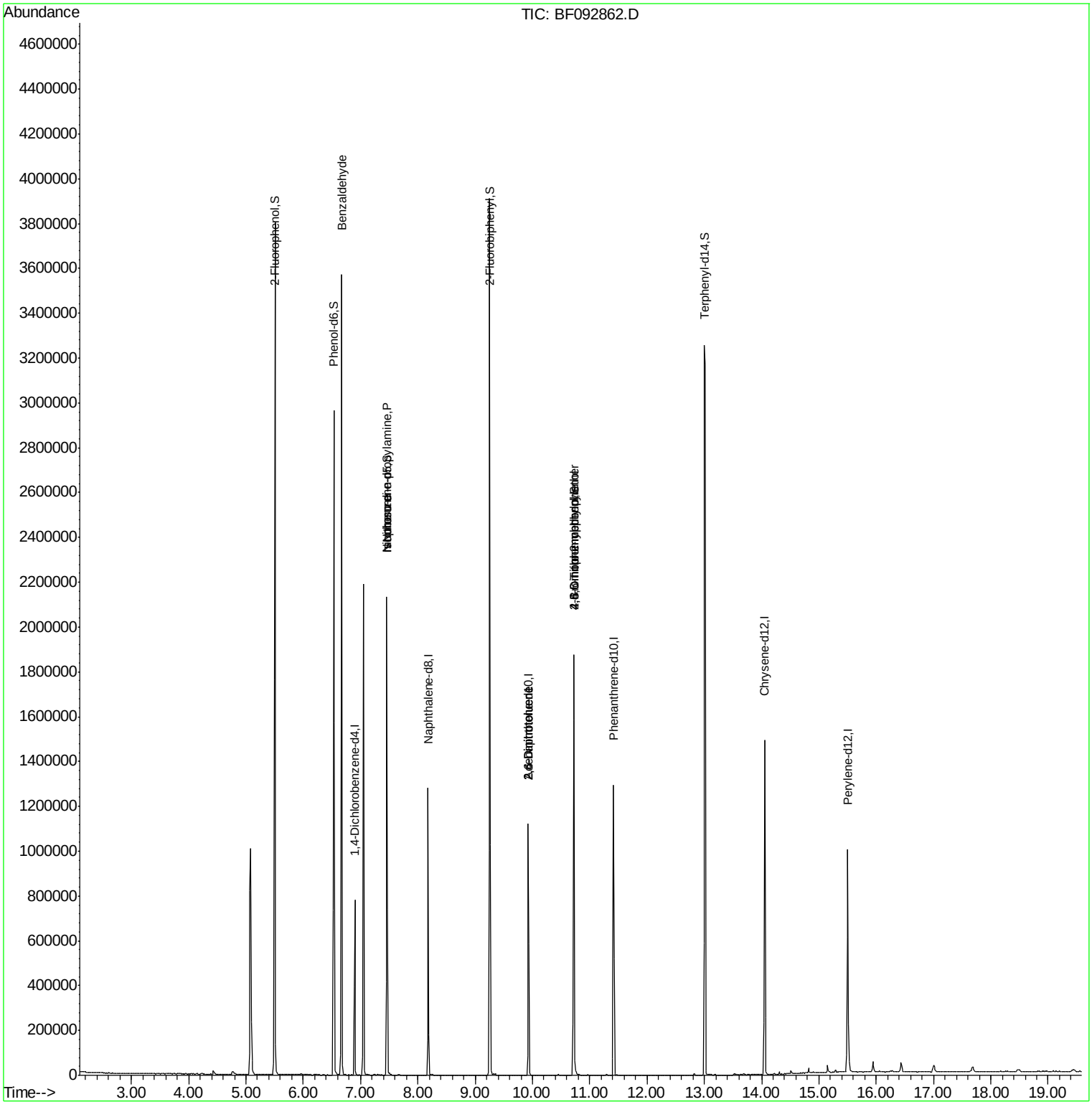
(#) = qualifier out of range (m) = manual integration (+) = signals summed

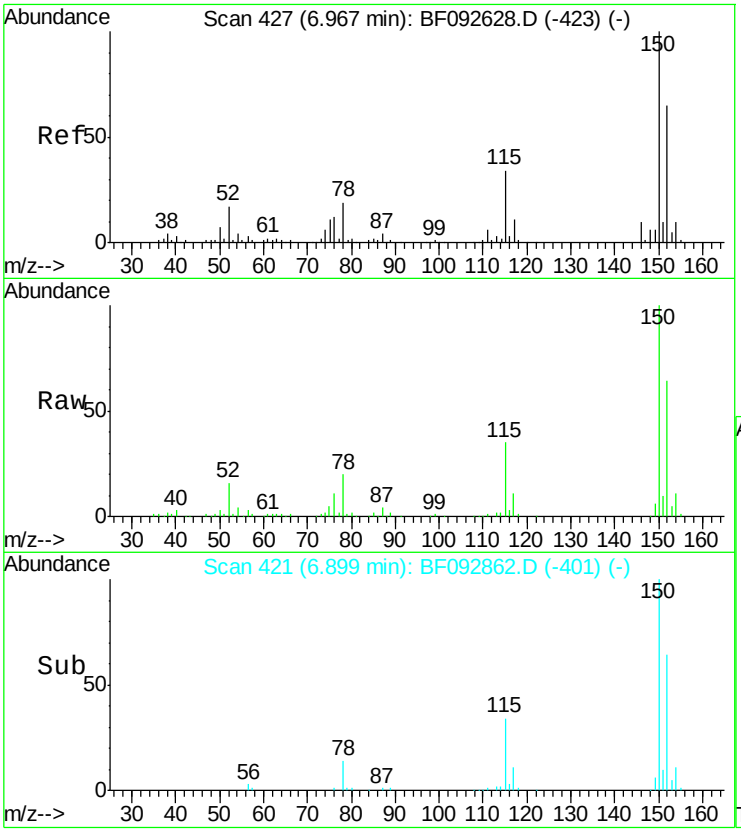
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
Data File : BF092862.D
Acq On : 8 Feb 2017 19:24
Operator : SJ/MA
Sample : PB96817TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Quant Time: Feb 08 23:43:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration



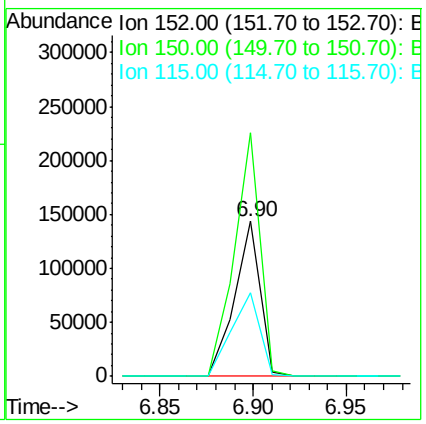


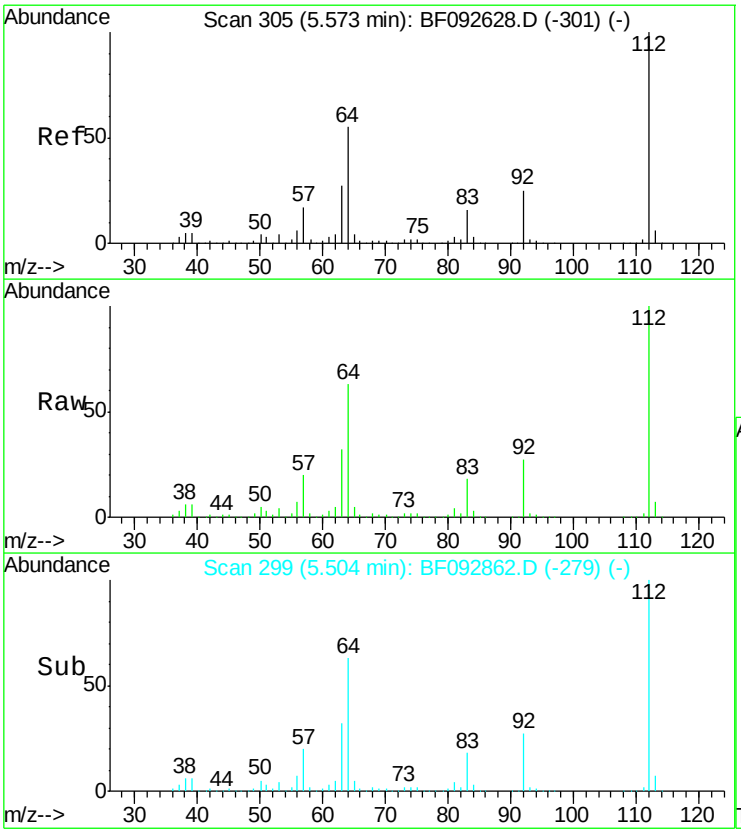

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:152 Resp: 137473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 124.9 | 187.3 |
| 115 | 54.4 | 46.0 | 69.0 |

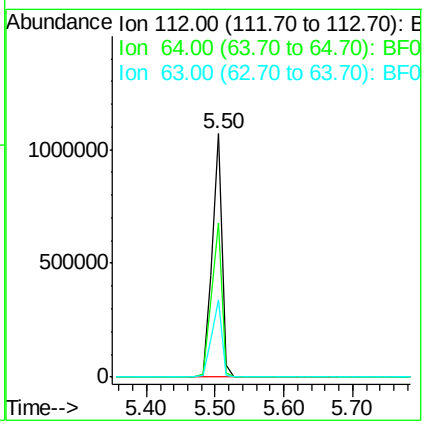


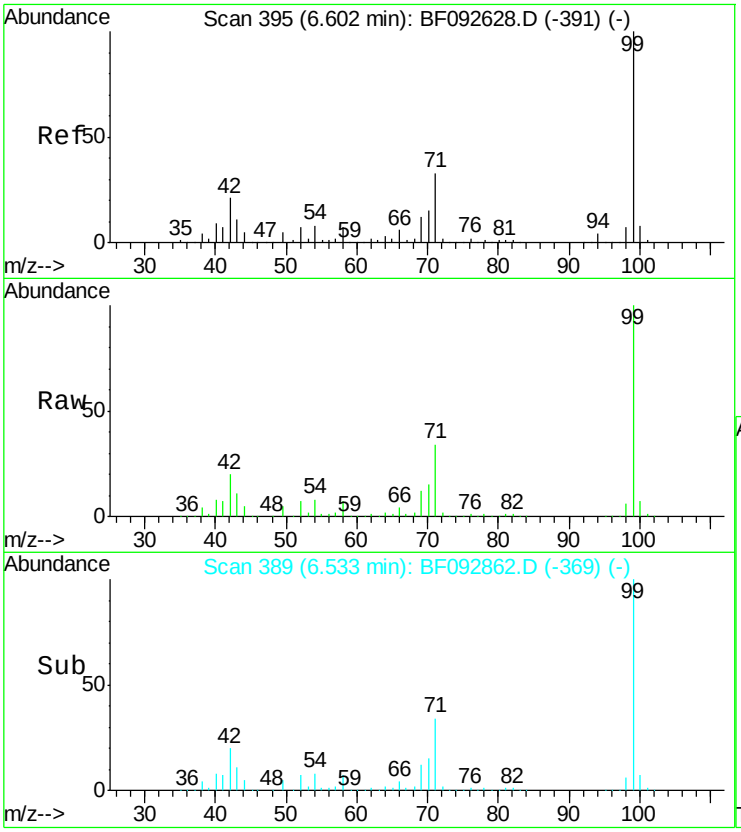




#5
2-Fluorophenol
Concen: 136.49 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:112 Resp: 1093696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 46.1 | 69.1 |
| 63 | 31.9 | 23.8 | 35.6 |



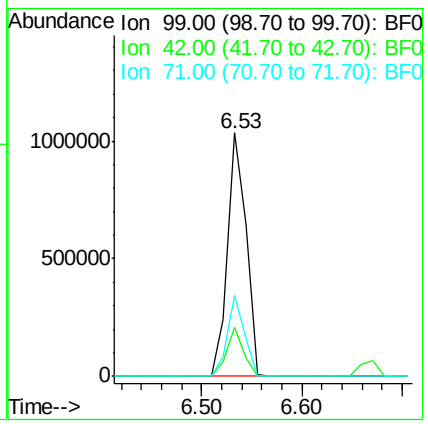


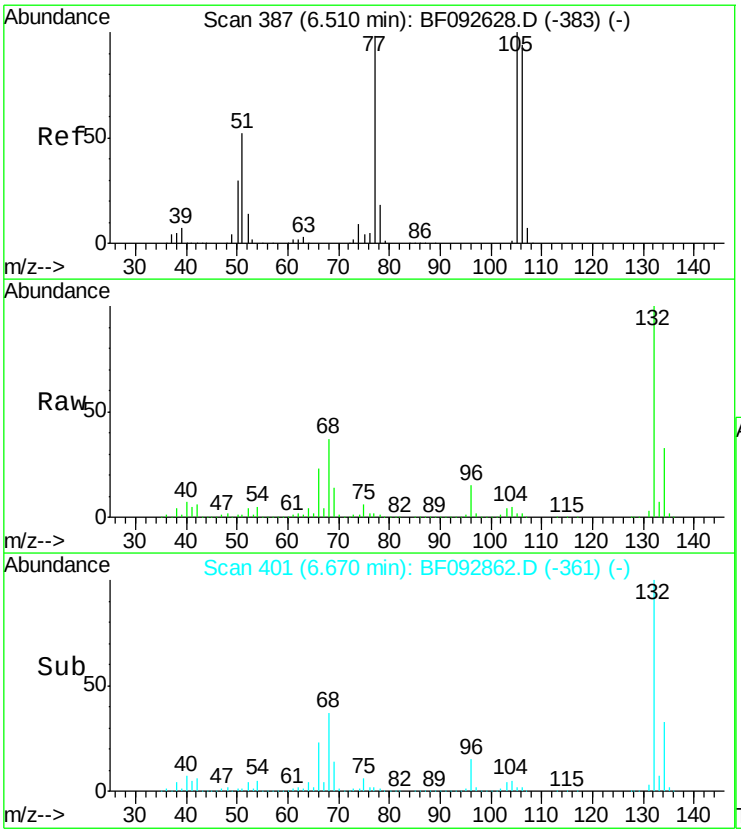

#7
Phenol-d6
Concen: 128.65 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion: 99 Resp: 1326364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 15.6 | 23.4 |
| 71 | 33.5 | 27.5 | 41.3 |

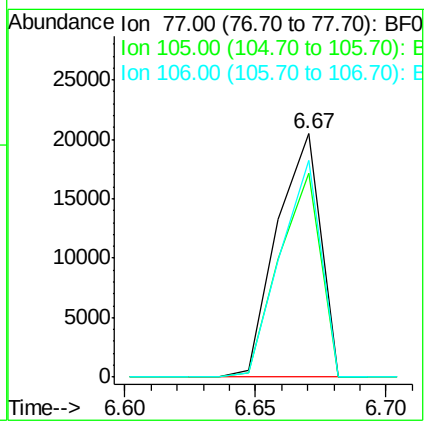


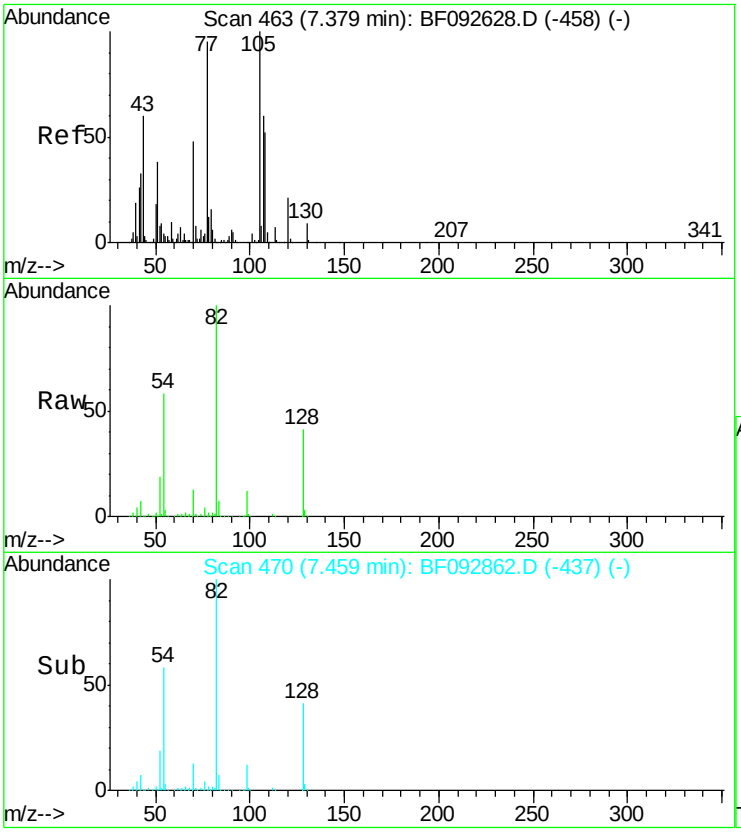




#9
Benzaldehyde
Concen: 3.19 ng
RT: 6.67 min Scan# 401
Delta R.T. 0.16 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion: 77 Resp: 23572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 84.0 | 83.9 | 123.9 |
| 106 | 89.1 | 77.6 | 117.6 |



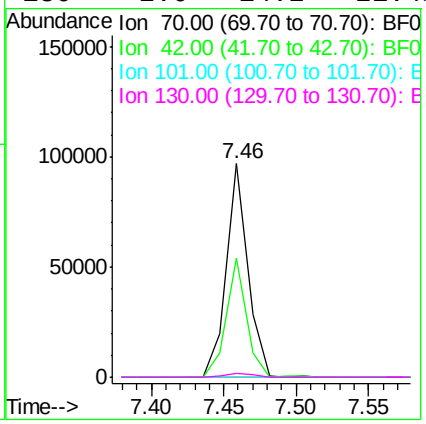


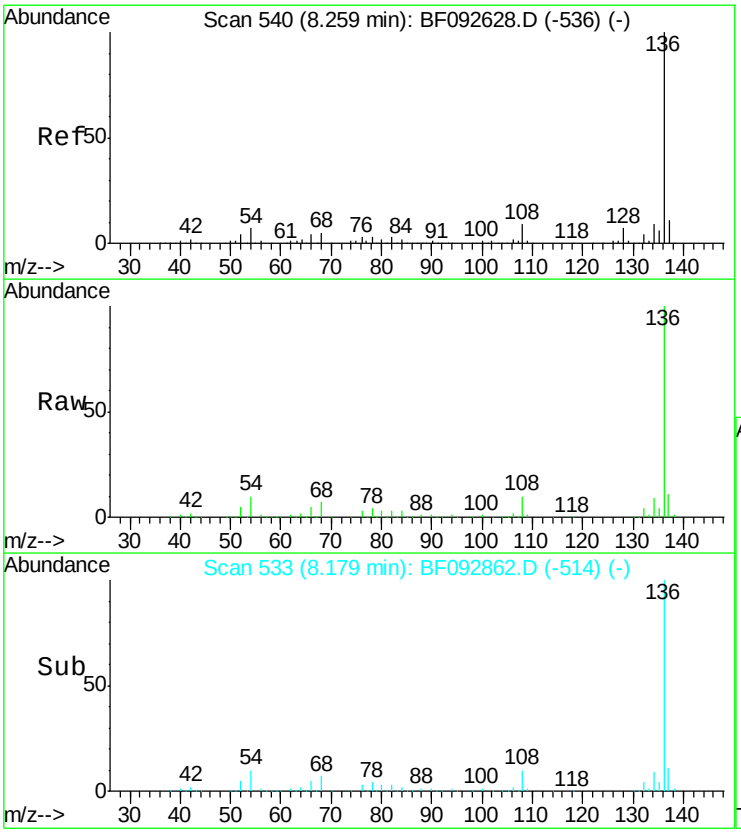

#19
n-Nitroso-di-n-propylamine
Concen: 15.26 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion: 70 Resp: 100159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.9 | 49.4 | 74.0 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.0 | 14.2 | 21.4# |

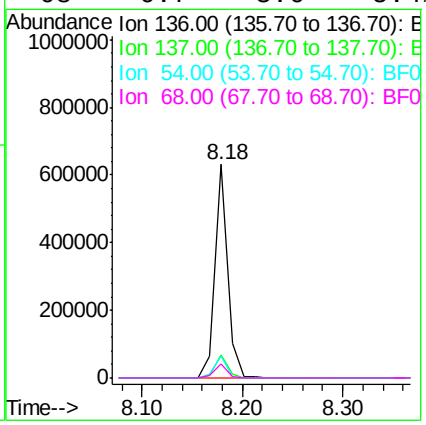


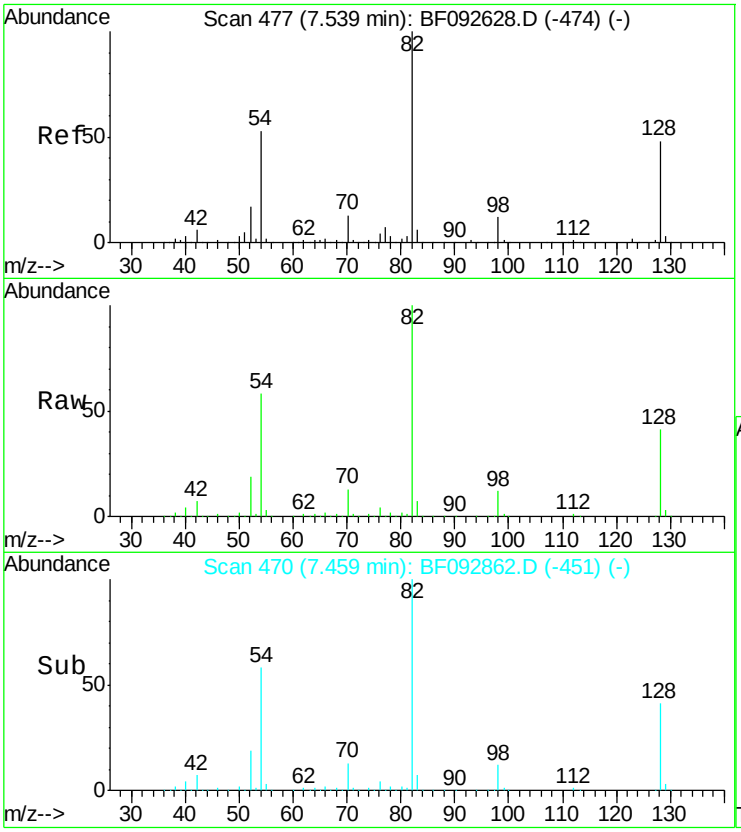




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:136 Resp: 555460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.4 | 12.6 |
| 54 | 10.2 | 4.5 | 6.7# |
| 68 | 6.7 | 3.6 | 5.4# |



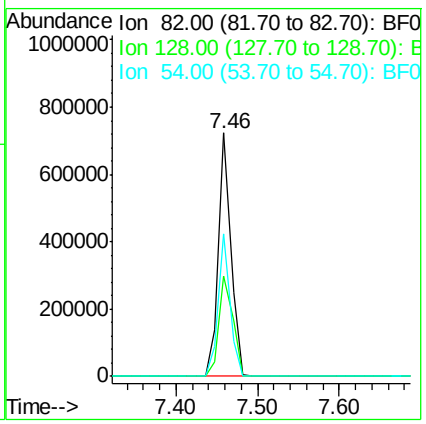


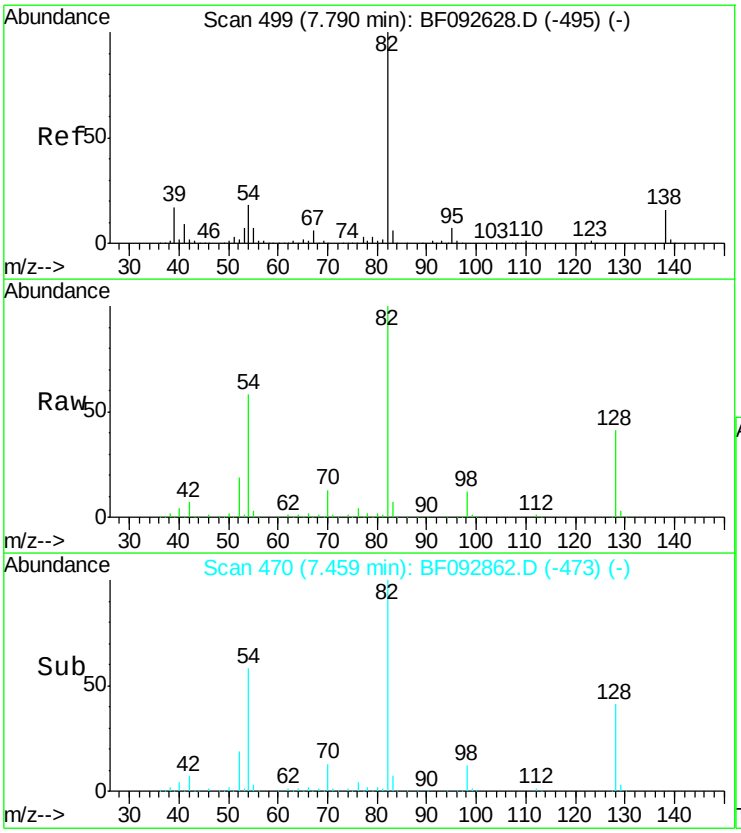

#23
Nitrobenzene-d5
Concen: 77.13 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion: 82 Resp: 769325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.0 | 34.6 | 52.0 |
| 54 | 58.3 | 39.5 | 59.3 |

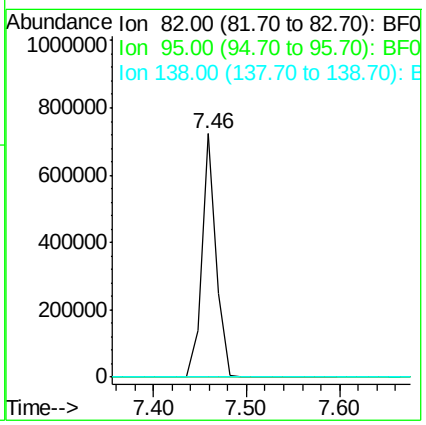


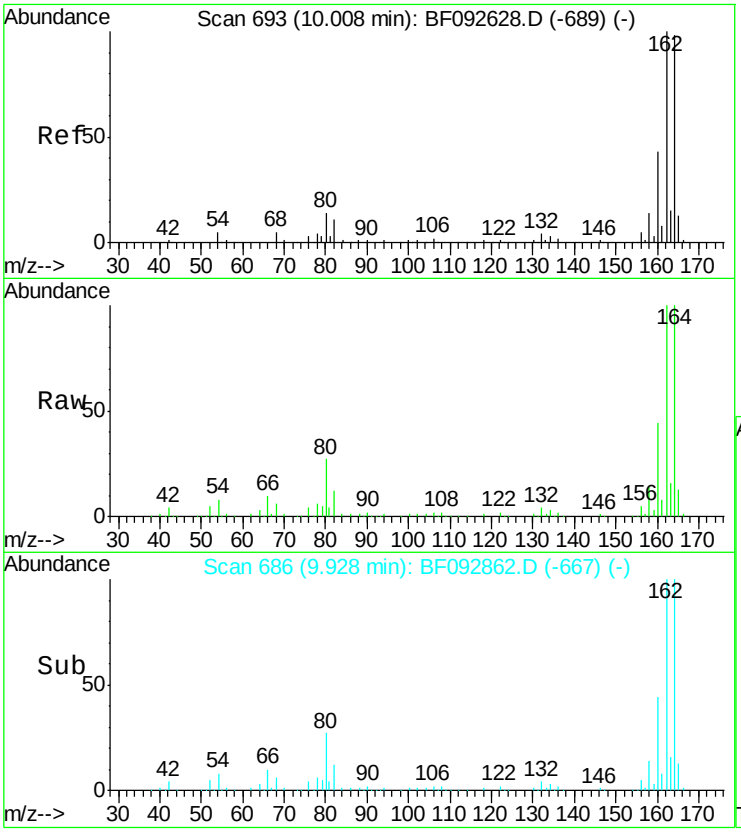




#25
Isophorone
Concen: 41.37 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.33 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion: 82 Resp: 768887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |



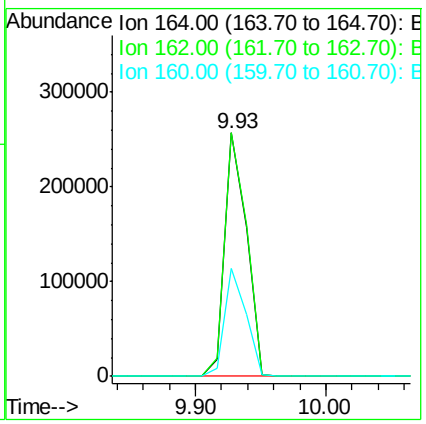


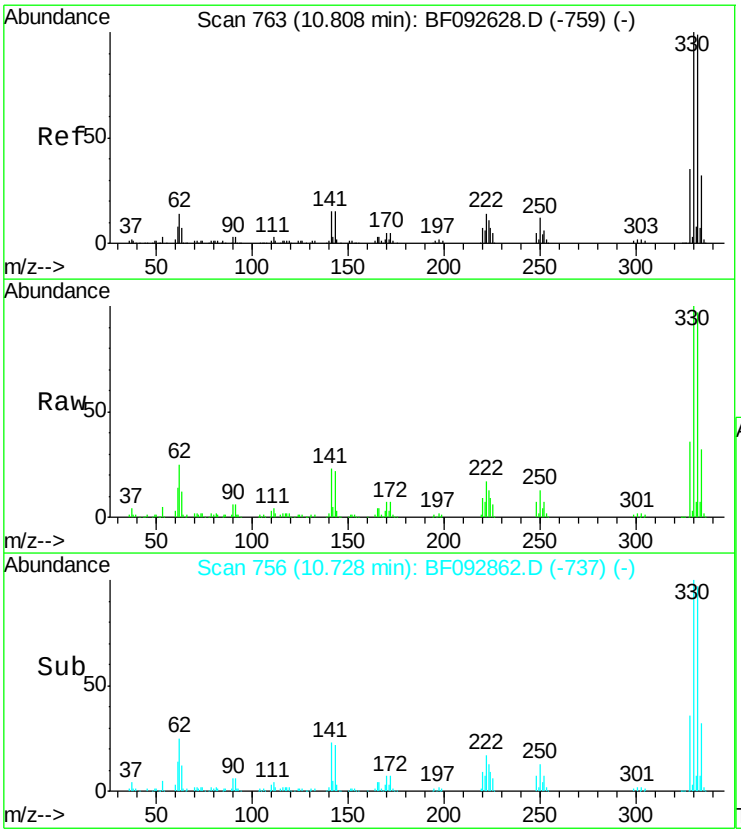

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:164 Resp: 298222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.2 | 120.2 |
| 160 | 44.2 | 36.9 | 55.3 |

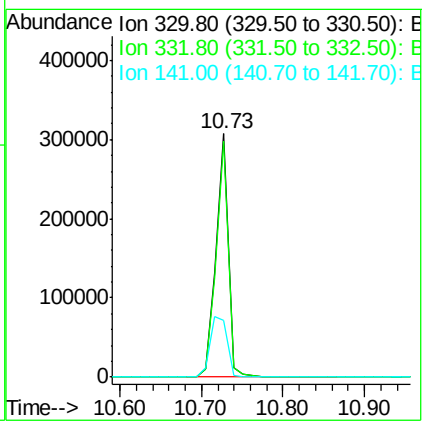


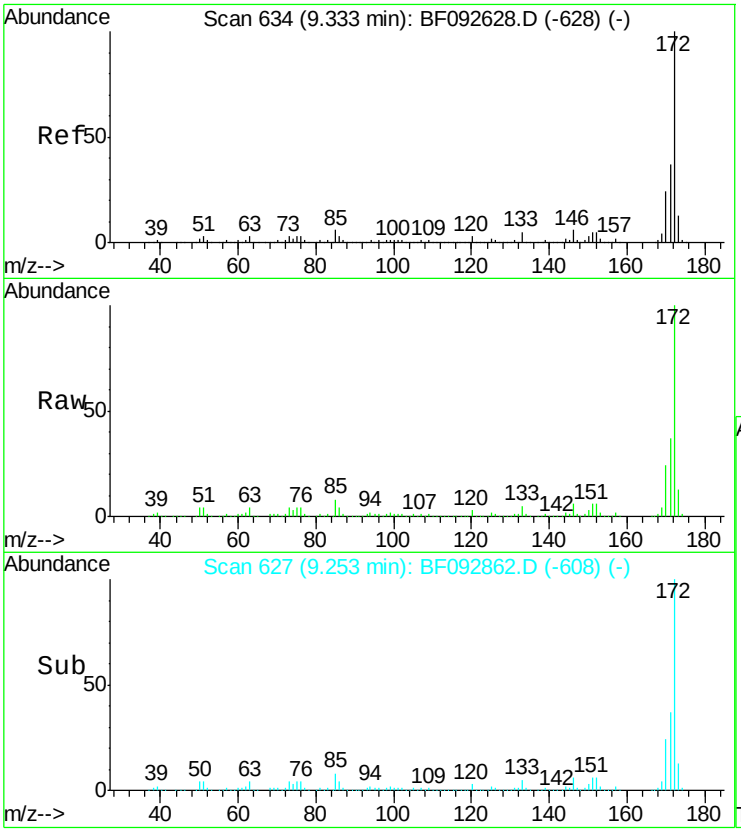




#41
2,4,6-Tribromophenol
Concen: 149.73 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:330 Resp: 322961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.4 | 116.2 |
| 141 | 35.0 | 34.1 | 51.1 |



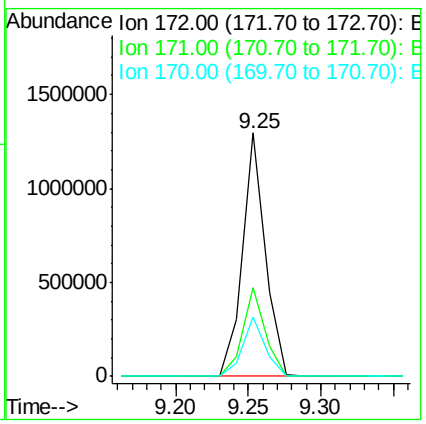


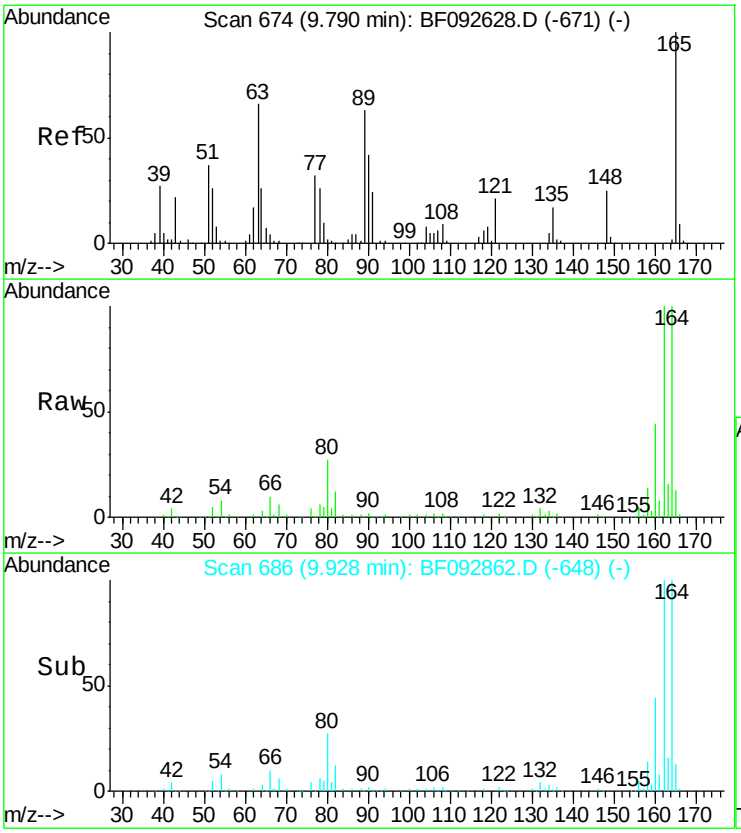

#44
2-Fluorobiphenyl
Concen: 85.76 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:172 Resp: 1411738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.4 | 44.0 |
| 170 | 24.2 | 20.2 | 30.4 |

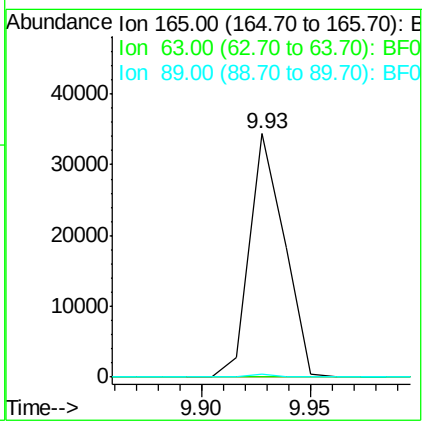


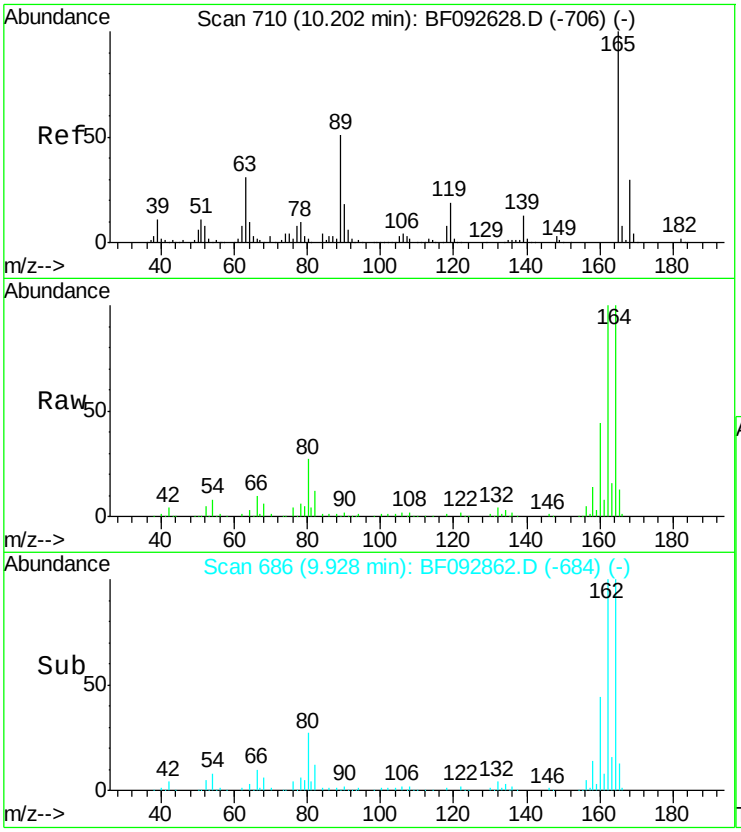




#50
2,6-Dinitrotoluene
Concen: 8.83 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.14 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:165 Resp: 38320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 36.2 | 54.4# |
| 89 | 1.1 | 40.2 | 60.4# |



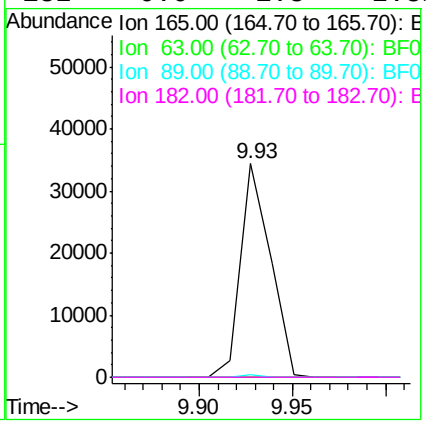


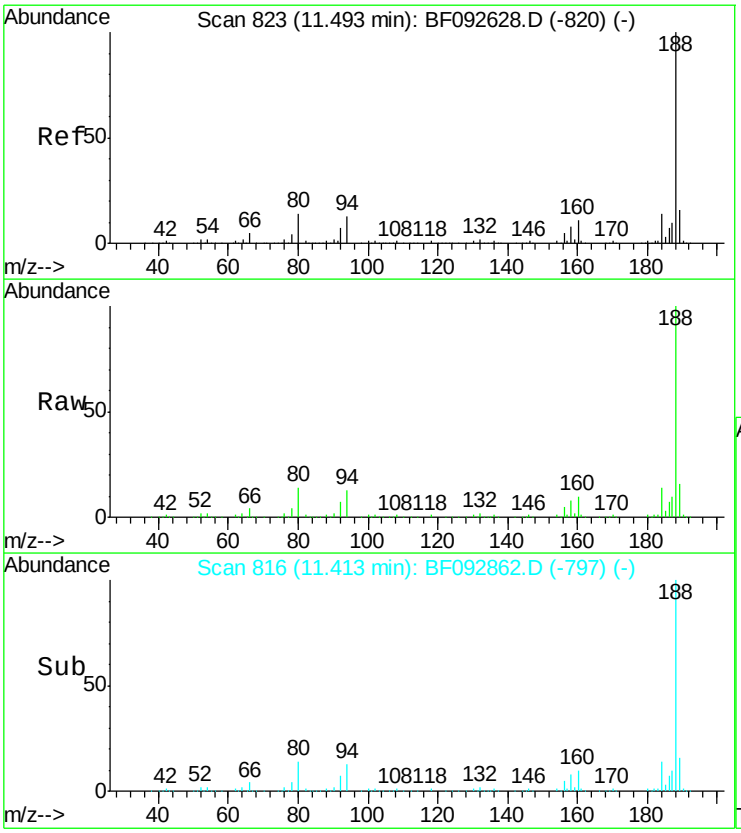

#56
2,4-Dinitrotoluene
Concen: 6.64 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.27 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:165 Resp: 38321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 40.2 | 60.4# |
| 89 | 1.1 | 62.5 | 93.7# |
| 182 | 0.0 | 1.8 | 2.8# |

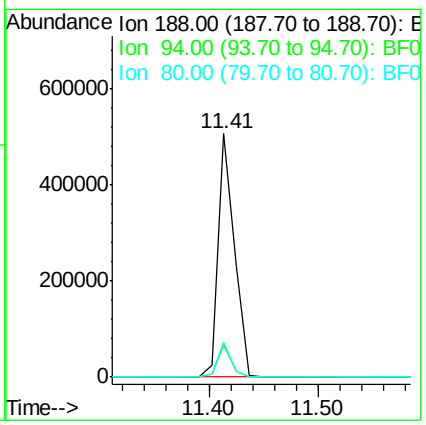


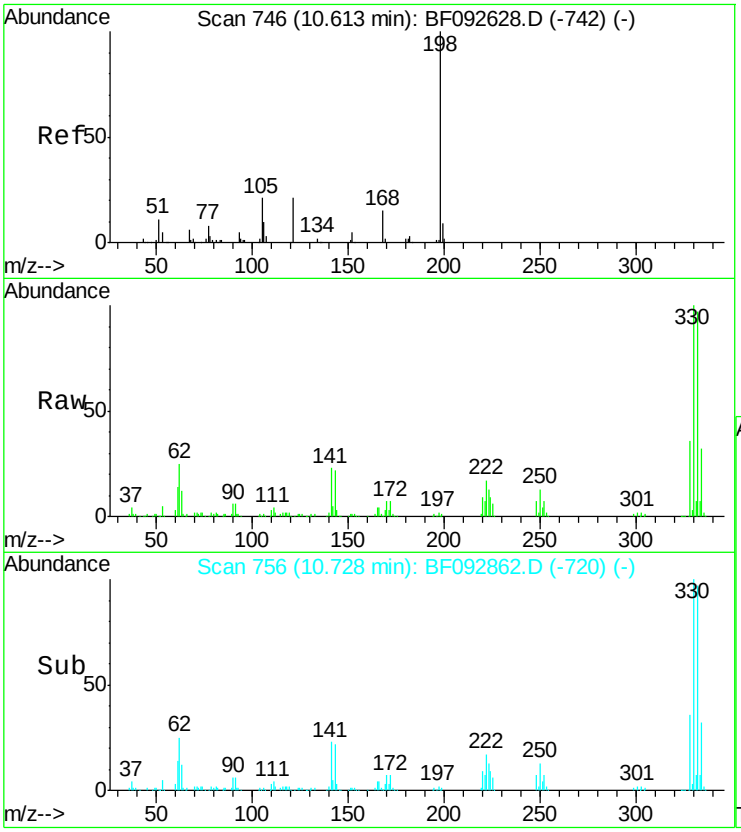




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:188 Resp: 529881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.1 | 10.0 | 15.0 |
| 80 | 14.2 | 11.2 | 16.8 |



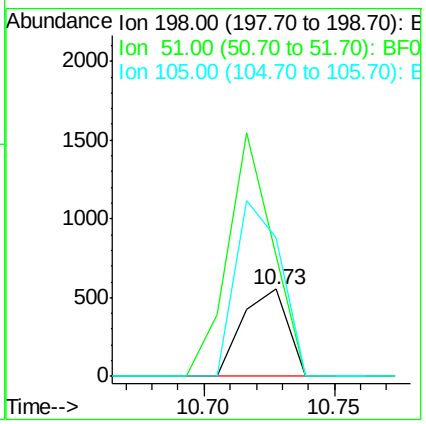


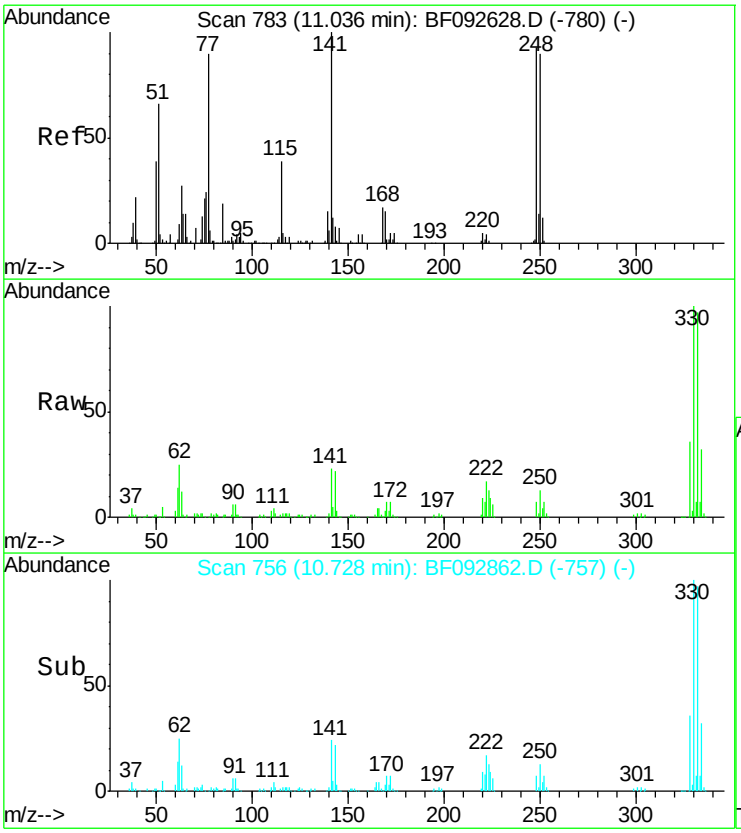

#64
4,6-Dinitro-2-methylphenol
Concen: 2.86 ng
RT: 10.73 min Scan# 756
Delta R.T. 0.11 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:198 Resp: 669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 139.1 | 6.7 | 46.7# |
| 105 | 159.4 | 16.6 | 56.6# |

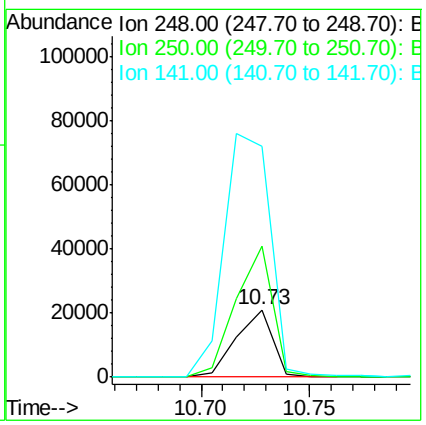


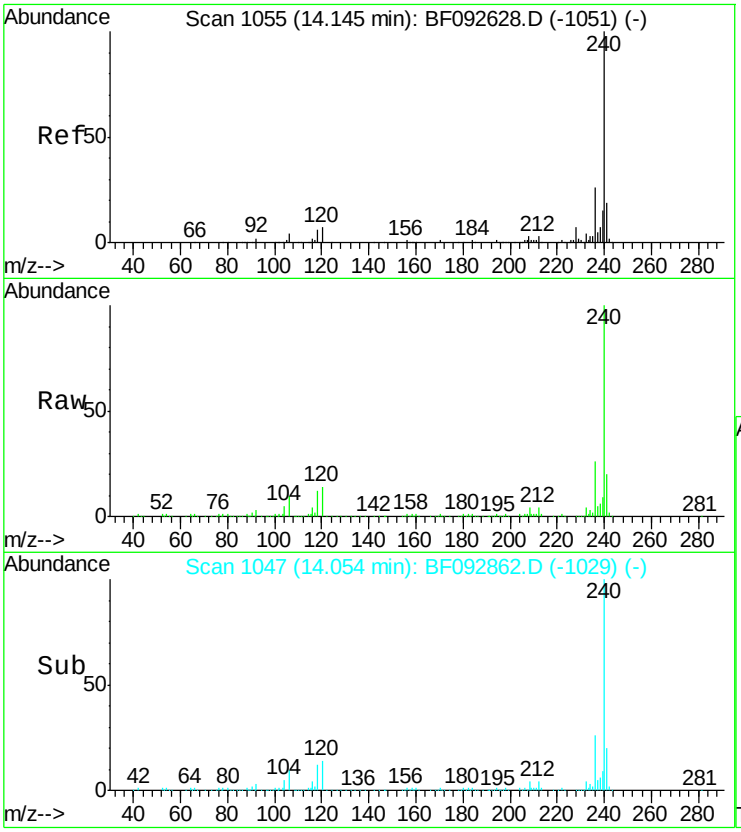




#66
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.31 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:248 Resp: 24486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 195.5 | 76.9 | 115.3# |
| 141 | 343.4 | 68.2 | 102.4# |



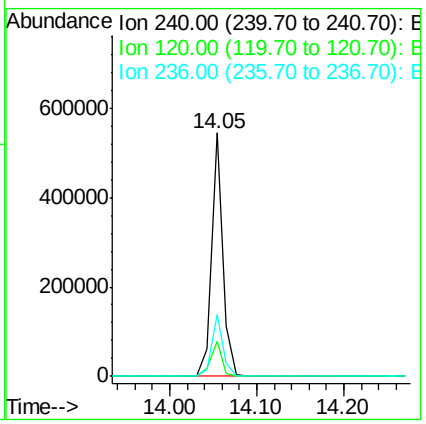


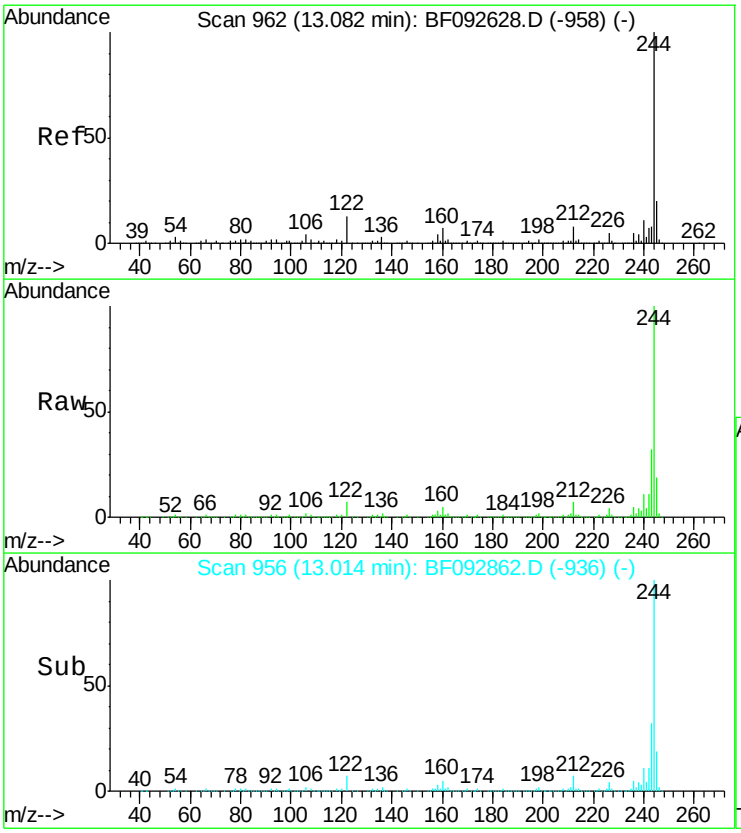

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.09 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:240 Resp: 500871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.2 | 12.9 | 19.3 |
| 236 | 25.5 | 20.9 | 31.3 |

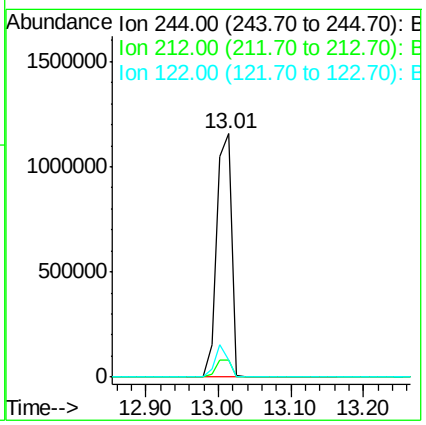


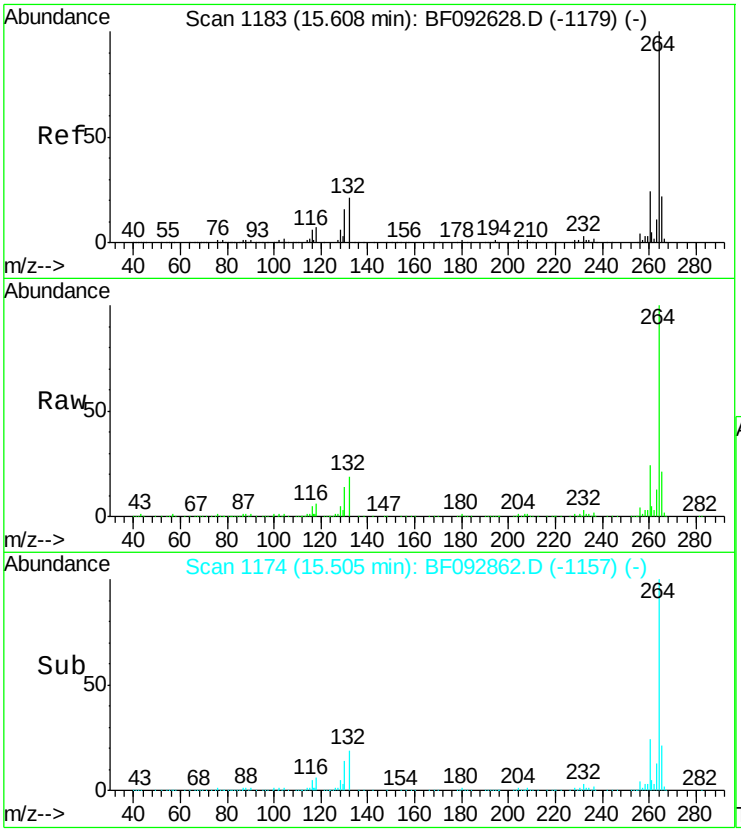




#78
Terphenyl-d14
Concen: 76.79 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:244 Resp: 1636843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.2 | 9.2 |
| 122 | 7.1 | 11.4 | 17.2# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
PB96817TB

Tgt Ion:264 Resp: 459667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.2 | 28.8 |
| 265 | 21.0 | 17.4 | 26.0 |