Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062216\
Data File : BF088250.D
Acq On : 22 Jun 2016 15:27
Operator : UM/SJ
Sample : H3660-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 22 16:22:26 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 74847 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.88 | 136 | 315677 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.63 | 164 | 151456 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.12 | 188 | 276715 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.75 | 240 | 250092 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.11 | 264 | 195843 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 603001 | 137.73 | ng | | 0.01 |
| 7) Phenol-d6 | 6.26 | 99 | 733083 | 138.16 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 480651 | 88.91 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.42 | 330 | 190412 | 119.07 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.97 | 172 | 837032 | 86.94 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.70 | 244 | 675276 | 61.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.27 | 94 | 2157 | Below Cal | | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70 | 62174 | 18.32 | ng | # | 69 |
| 25) Isophorone | 7.18 | 82 | 480641 | 48.00 | ng | # | 65 |
| 45) 1,1'-Biphenyl | 8.97 | 154 | 1624 | Below Cal | | # | 1 |
| 49) Dimethylphthalate | 9.37 | 163 | 140371 | 12.79 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.63 | 165 | 19205 | 5.95 | ng | # | 36 |
| 57) Fluorene | 10.42 | 166 | 8232 | Below Cal | | # | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198 | 283 | 2.32 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.42 | 248 | 11577 | 3.90 | ng | # | 1 |

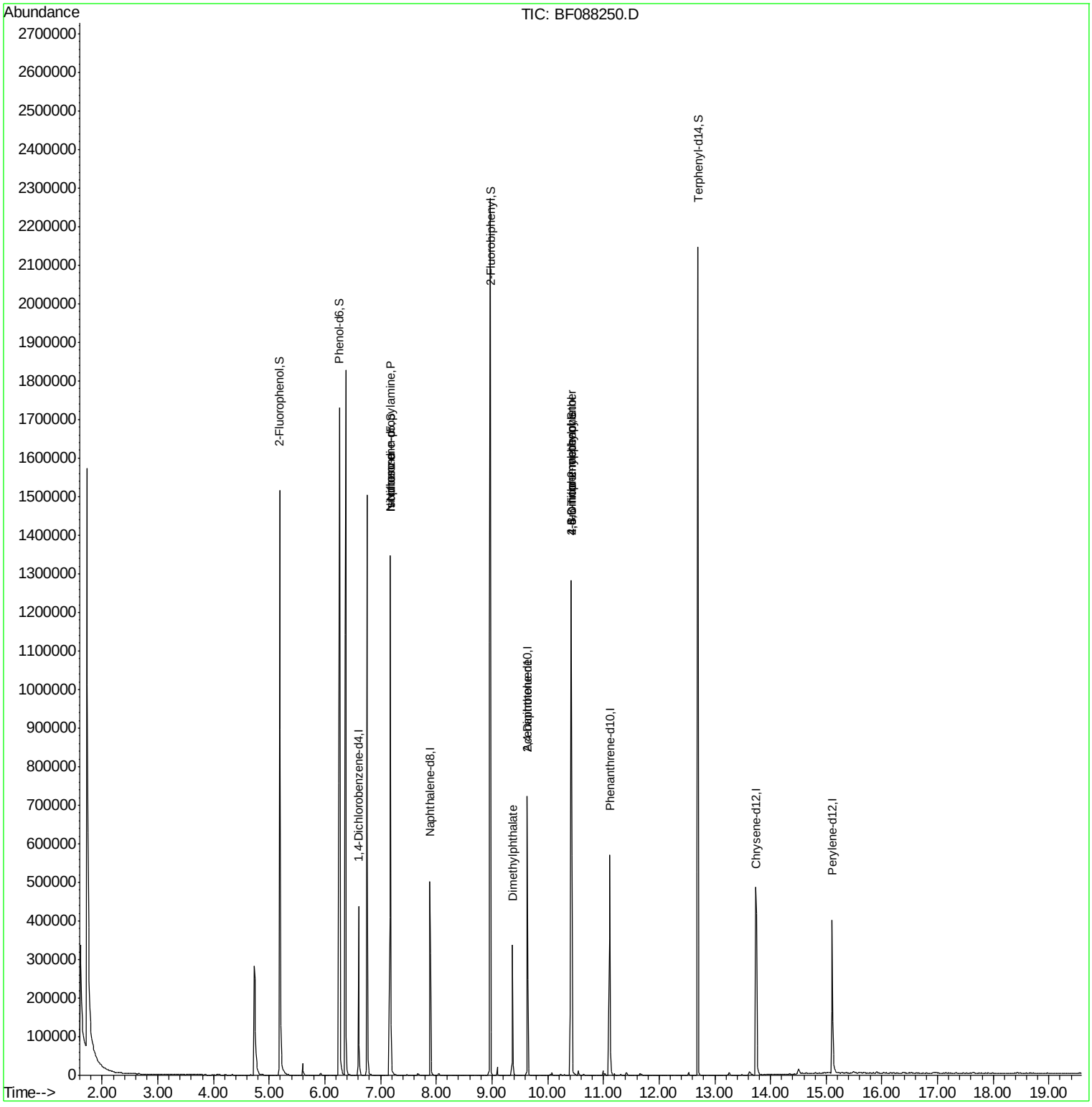
(#) = qualifier out of range (m) = manual integration (+) = signals summed

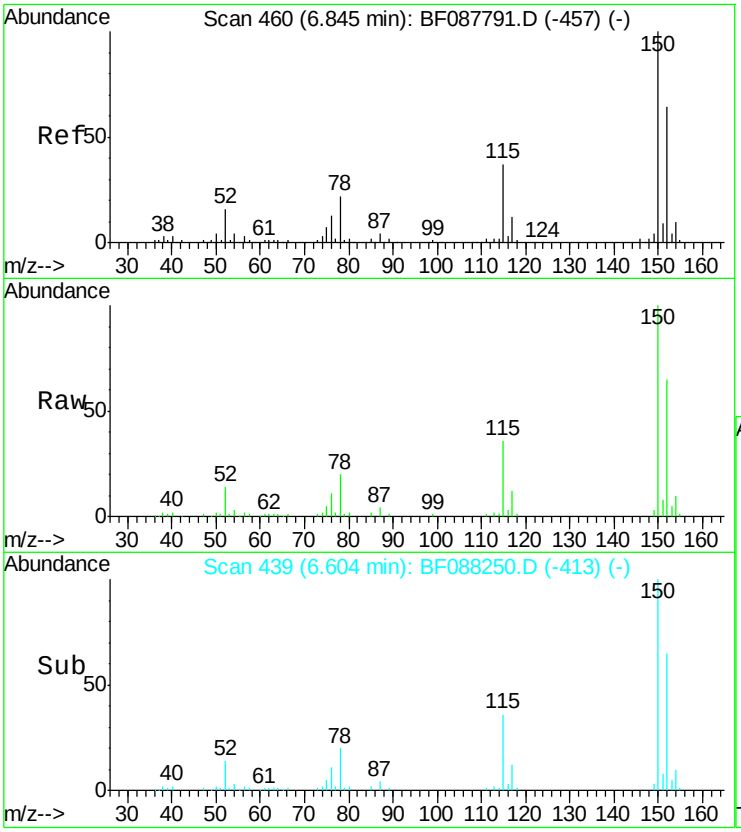
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062216\
Data File : BF088250.D
Acq On : 22 Jun 2016 15:27
Operator : UM/SJ
Sample : H3660-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 22 16:22:26 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration



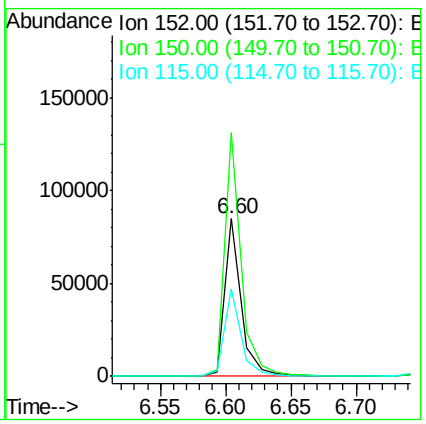


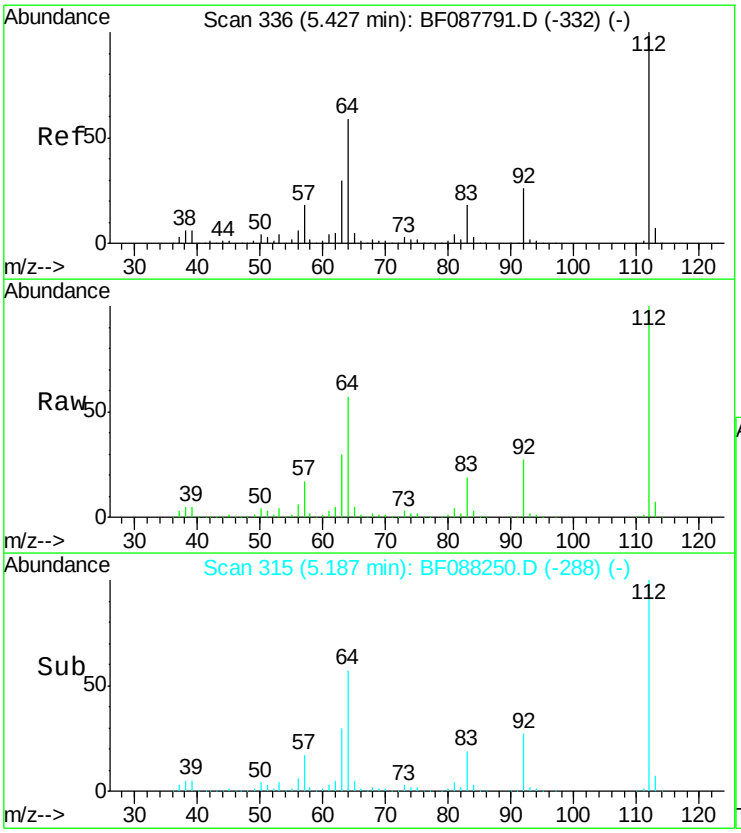

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:152 Resp: 74847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.4 | 123.8 | 185.6 |
| 115 | 55.5 | 39.6 | 59.4 |

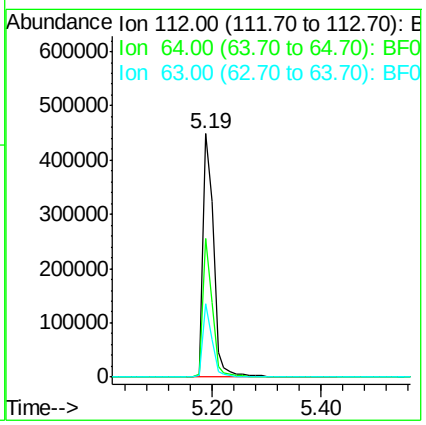


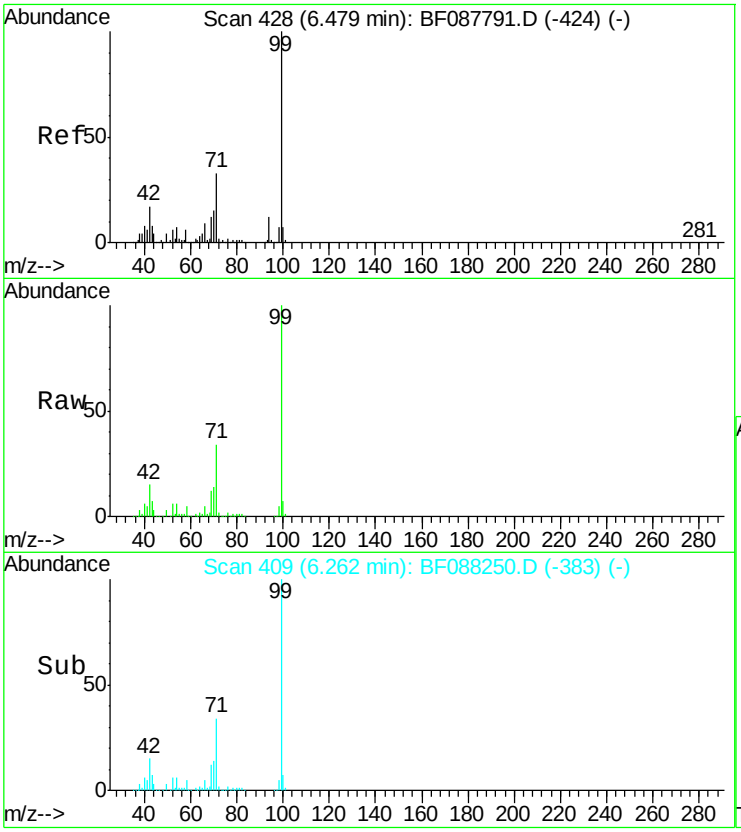




#5
2-Fluorophenol
Concen: 137.73 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:112 Resp: 603001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 42.2 | 63.2 |
| 63 | 29.9 | 21.8 | 32.8 |



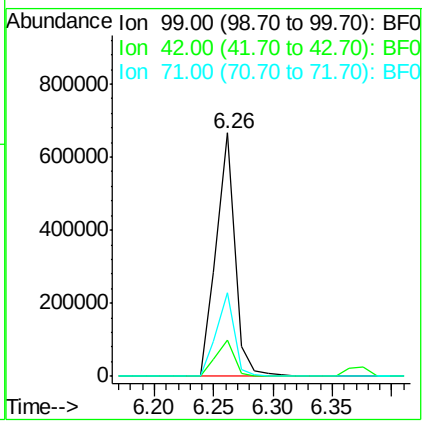


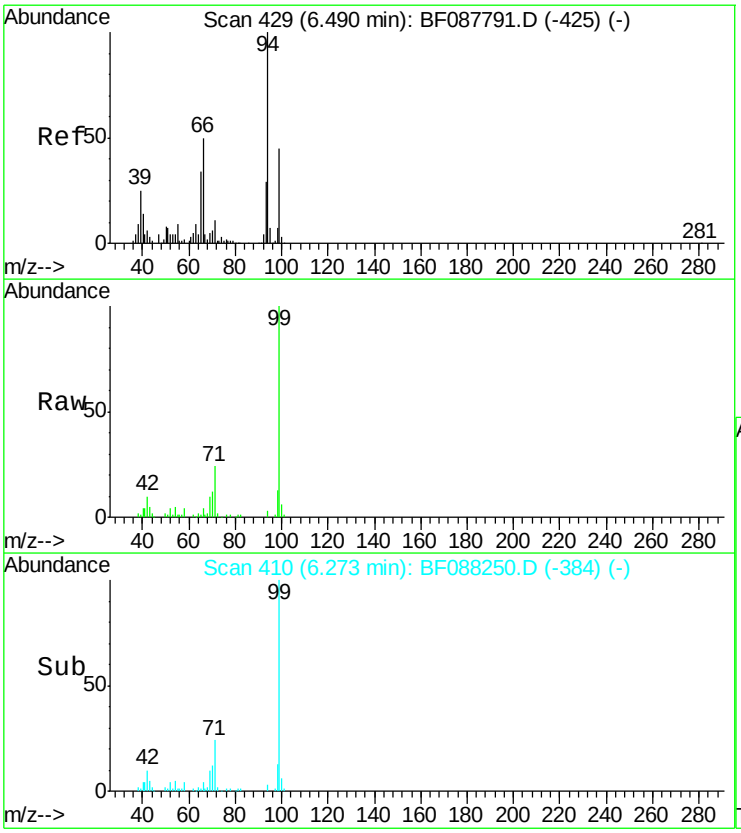

#7
Phenol-d6
Concen: 138.16 ng
RT: 6.26 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion: 99 Resp: 733083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 12.2 | 18.2 |
| 71 | 34.1 | 23.4 | 35.0 |

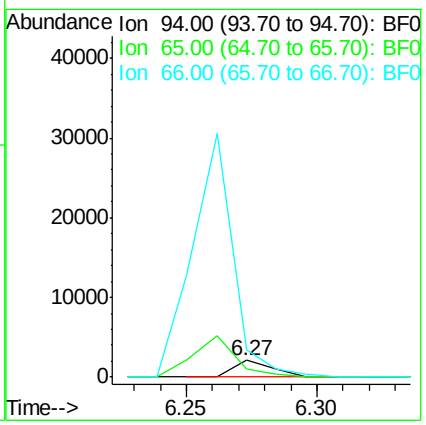


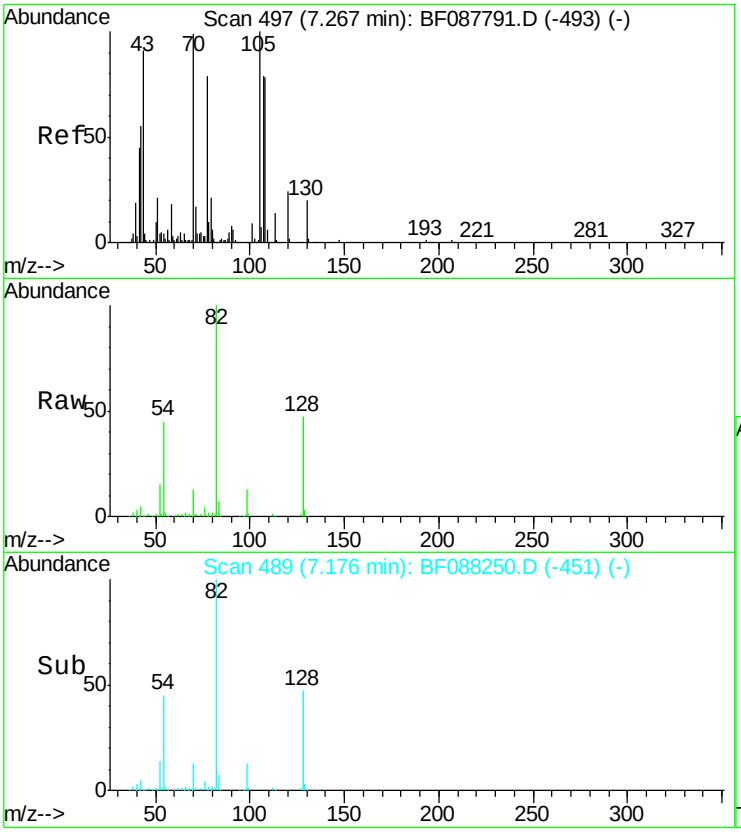




#10
Phenol
Concen: Below Cal
RT: 6.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion: 94 Resp: 2157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 50.6 | 5.9 | 45.9# |
| 66 | 162.4 | 14.0 | 54.0# |



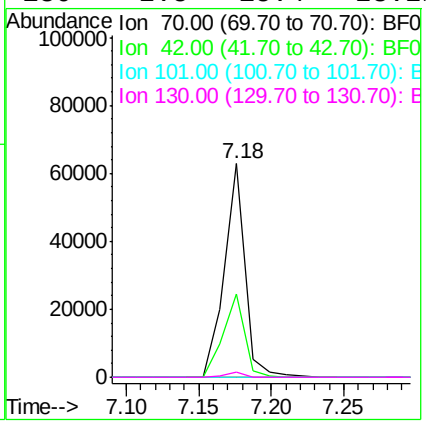


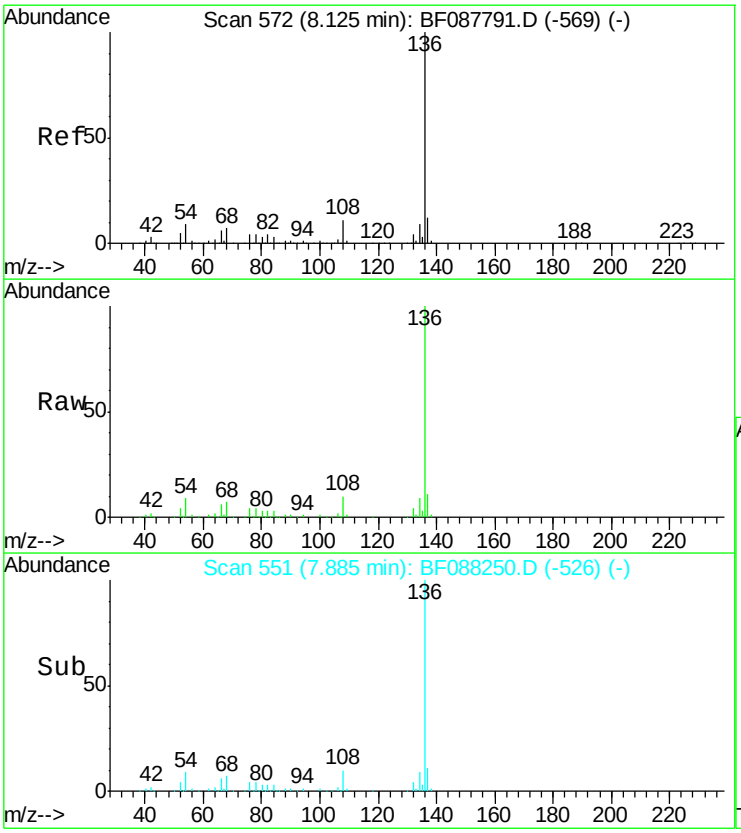

#19
n-Nitroso-di-n-propylamine
Concen: 18.32 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion: 70 Resp: 62174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.2 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.5 | 15.4 | 23.2# |

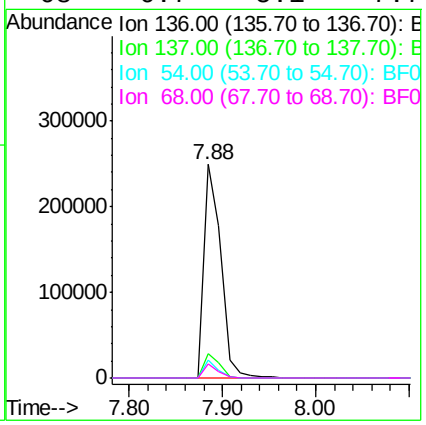


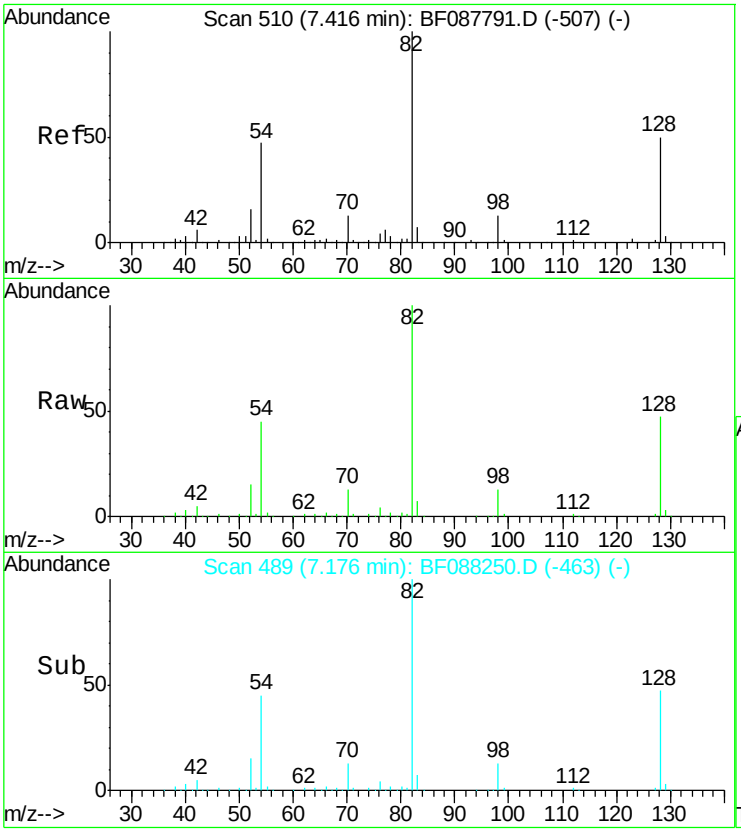




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:136 Resp: 315677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.1 | 13.7 |
| 54 | 8.6 | 6.6 | 10.0 |
| 68 | 6.7 | 5.1 | 7.7 |



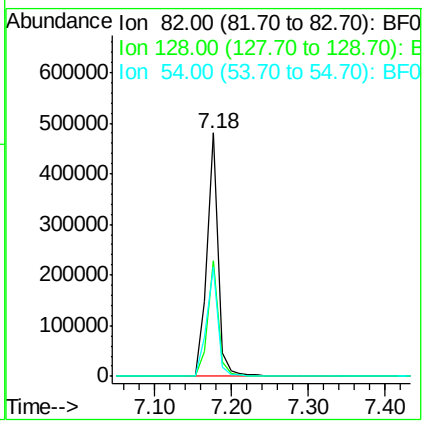


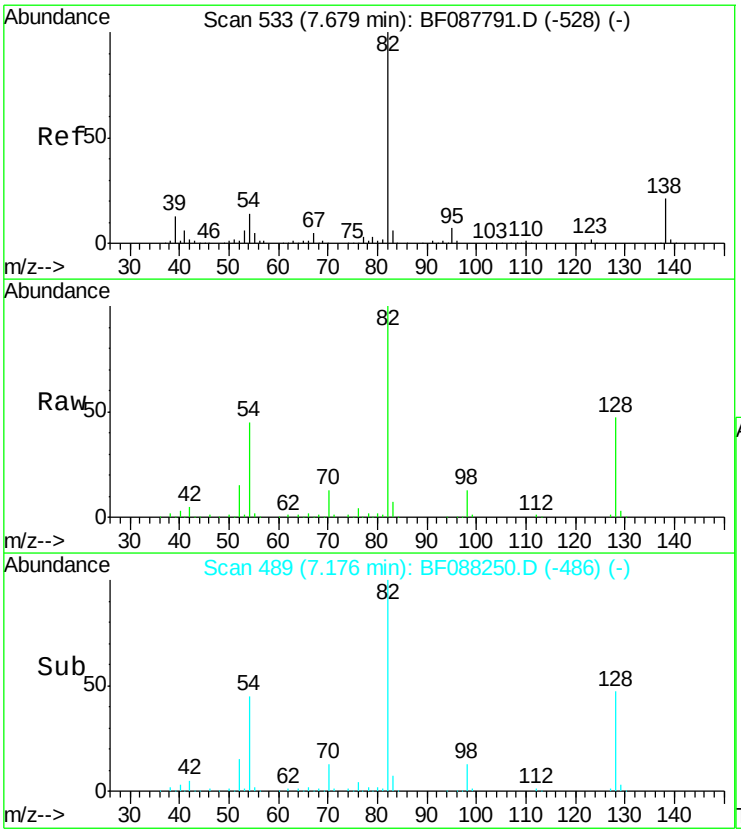

#23
Nitrobenzene-d5
Concen: 88.91 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion: 82 Resp: 480651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 35.9 | 53.9 |
| 54 | 44.9 | 40.9 | 61.3 |

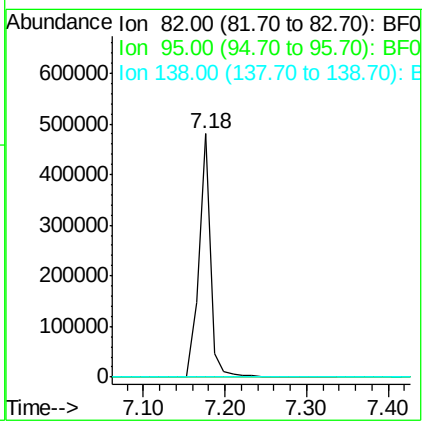


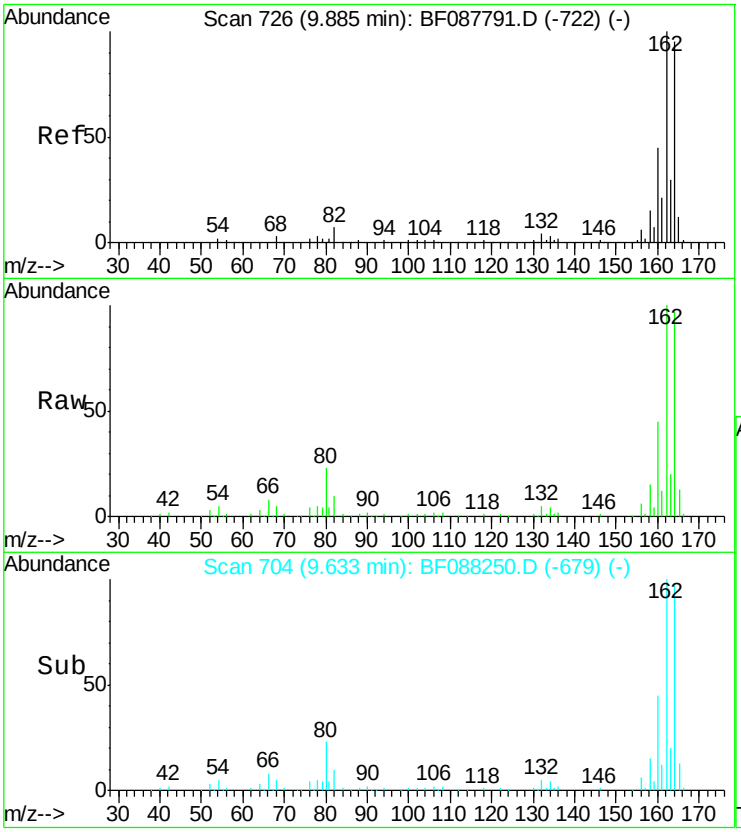




#25
Isophorone
Concen: 48.00 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.26 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion: 82 Resp: 480641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 14.6 | 21.8# |



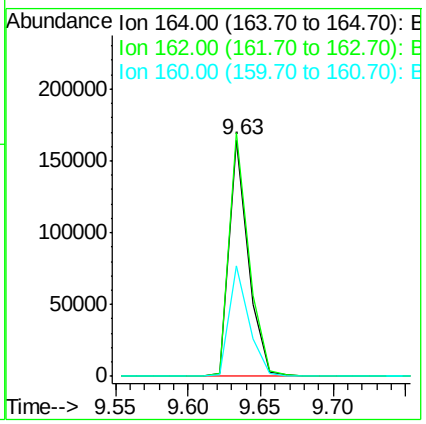


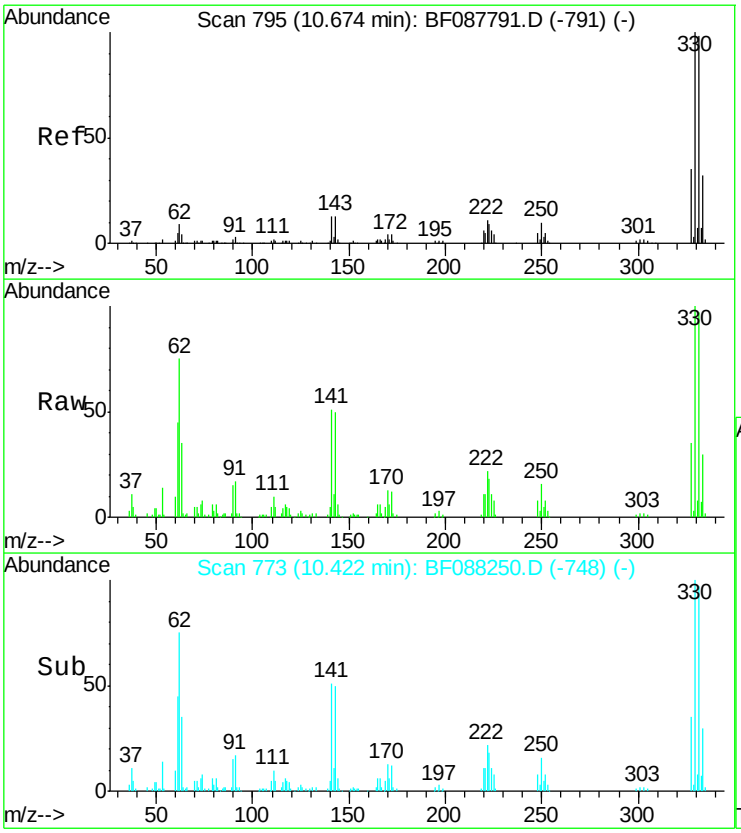

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:164 Resp: 151456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 85.4 | 128.2 |
| 160 | 46.5 | 39.5 | 59.3 |

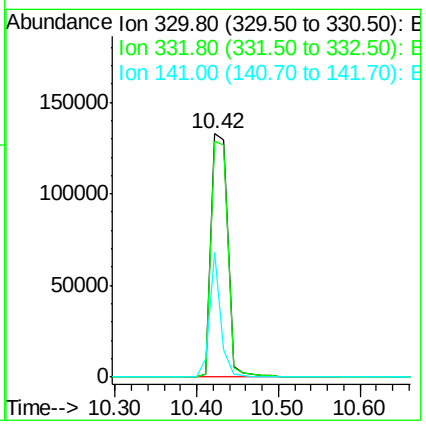


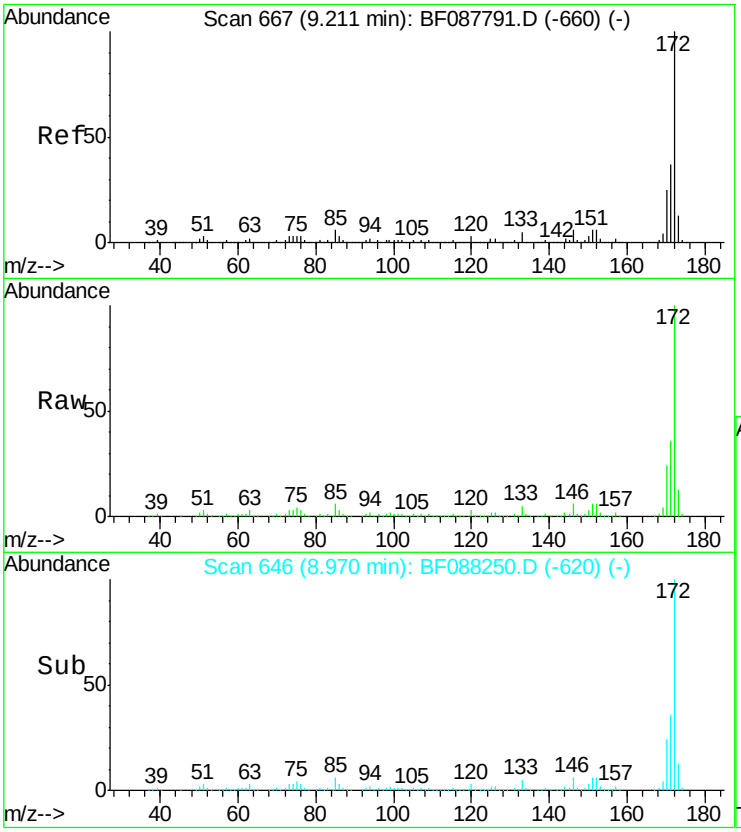




#41
2,4,6-Tribromophenol
Concen: 119.07 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:330 Resp: 190412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 0.0 | 0.0# |
| 141 | 34.3 | 0.0 | 0.0# |



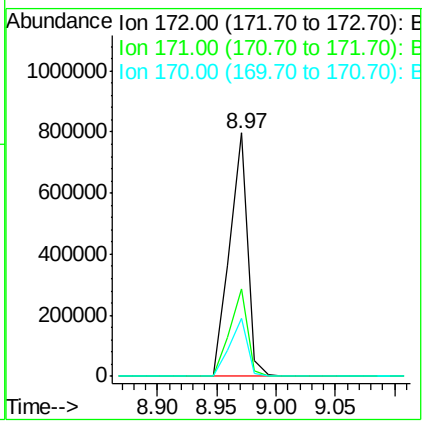


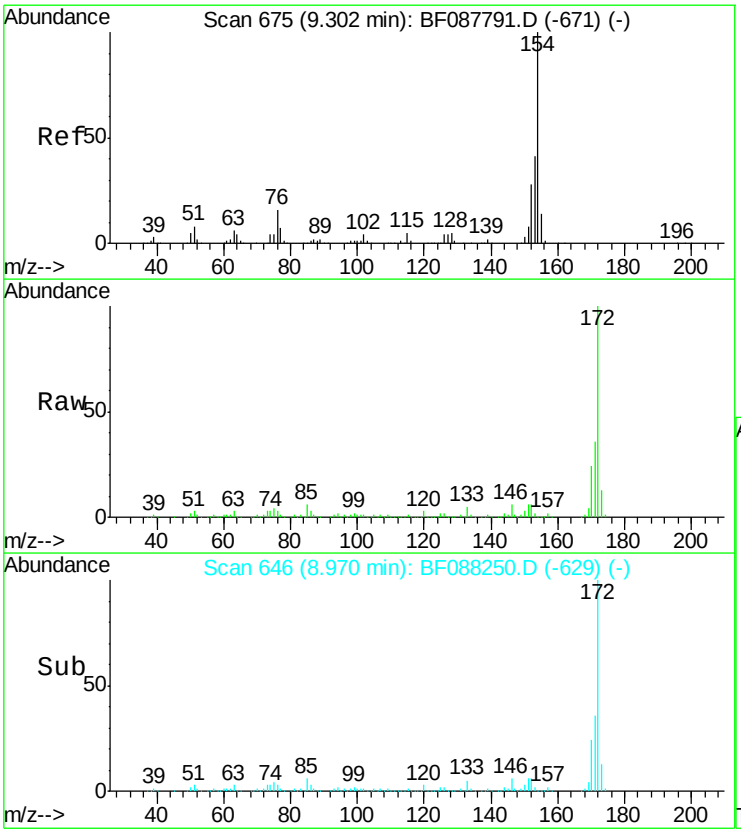

#44
2-Fluorobiphenyl
Concen:  86.94 ng
RT: 8.97 min  Scan# 646
Delta R.T.  0.00 min
Lab File:  BF088250.D
Acq: 22 Jun 2016  15:27

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

Tgt Ion:172 Resp:  837032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.6 | 43.0 |
| 170 | 24.0 | 19.2 | 28.8 |

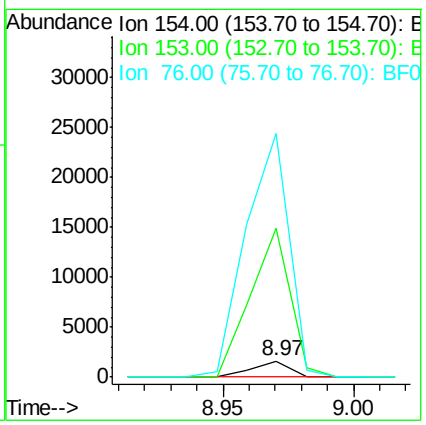


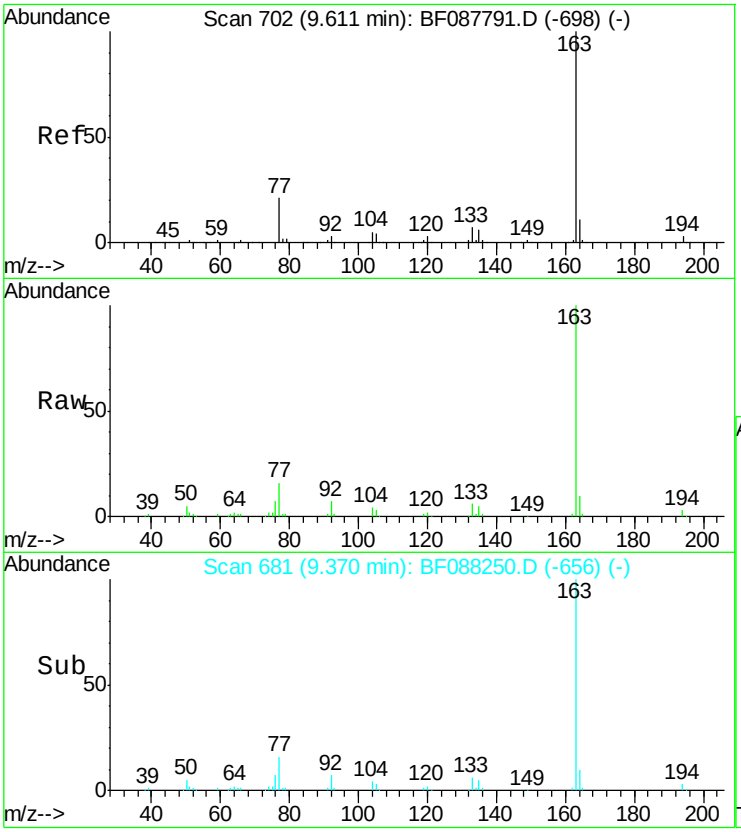




#45
1,1'-Biphenyl
Concen:  Below Cal
RT: 8.97 min  Scan# 646
Delta R.T.  -0.10 min
Lab File:  BF088250.D
Acq: 22 Jun 2016  15:27

Tgt Ion:154 Resp:  1624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 918.7 | 20.6 | 60.6# |
| 76 | 1502.0 | 0.0 | 35.1# |



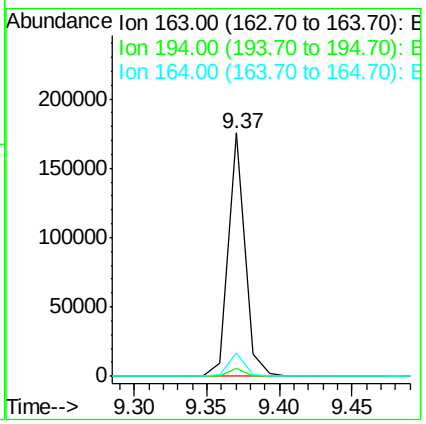


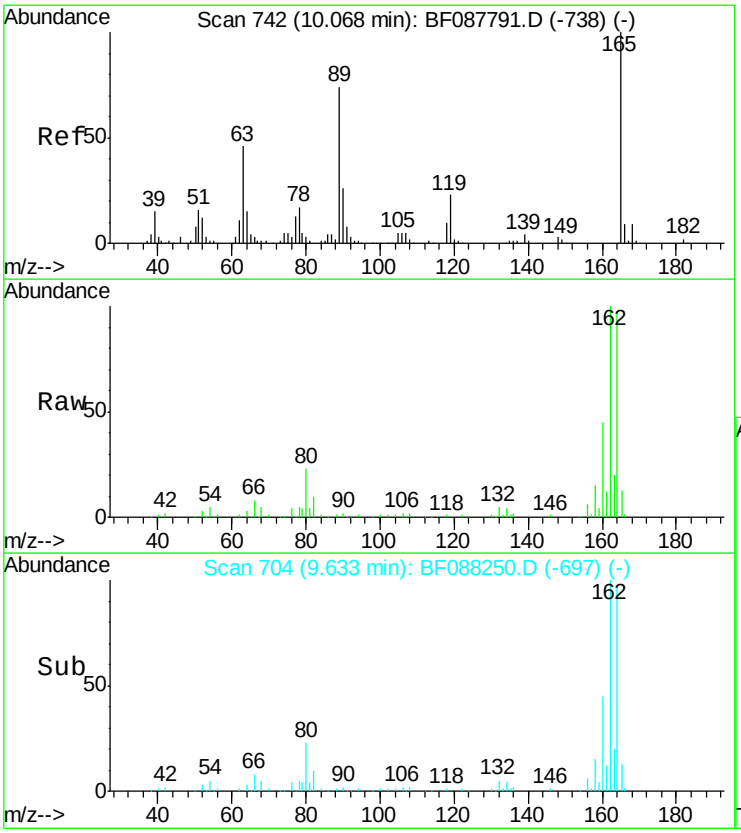

#49
Dimethylphthalate
Concen: 12.79 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:163 Resp: 140371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.8 | 4.2 |
| 164 | 9.9 | 8.3 | 12.5 |

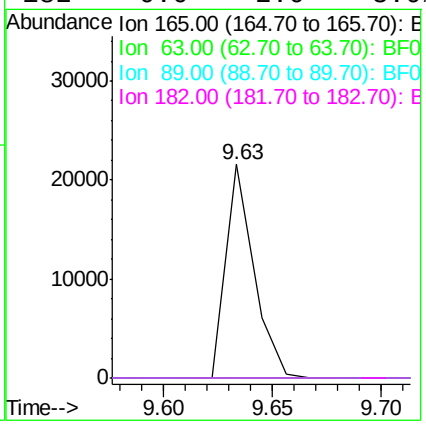


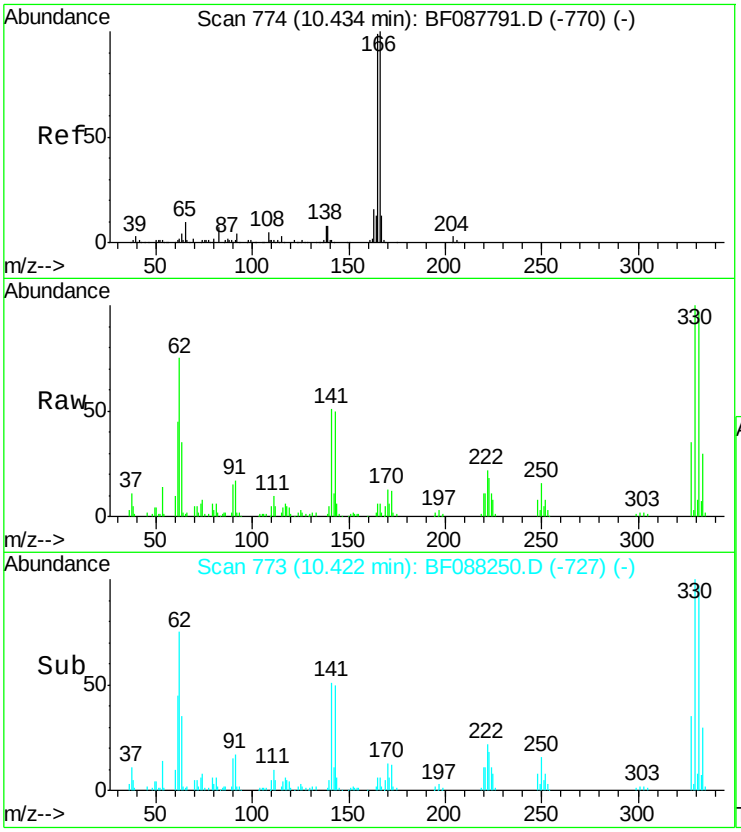




#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:165 Resp: 19205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 22.0 | 33.0# |
| 89 | 0.0 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |



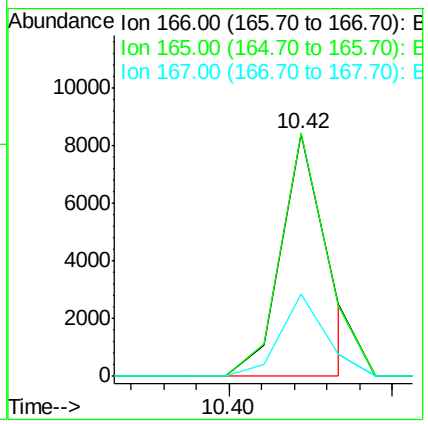


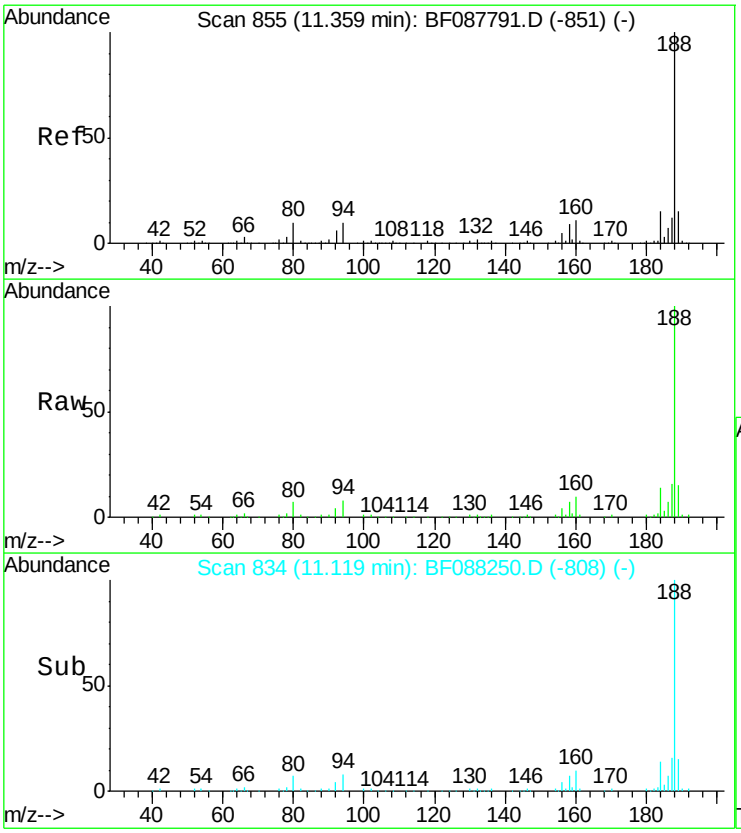

#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 773
Delta R.T. 0.23 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:166 Resp: 8232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.3 | 77.8 | 116.8 |
| 167 | 34.0 | 11.2 | 16.8# |

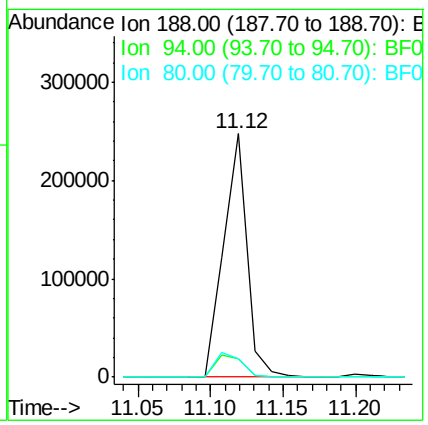


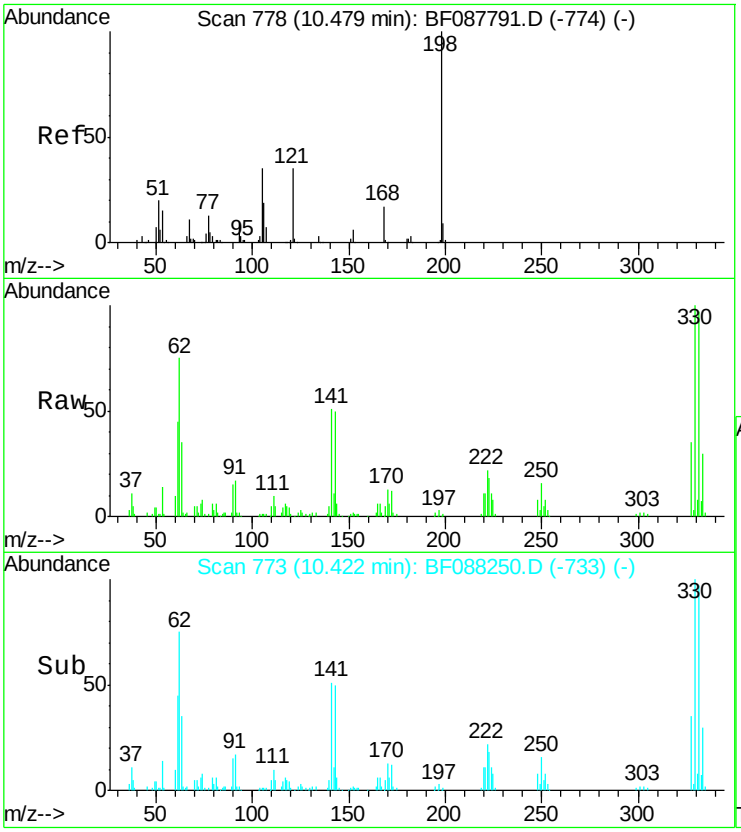




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:188 Resp: 276715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 9.0 | 13.6# |
| 80 | 7.4 | 10.0 | 15.0# |



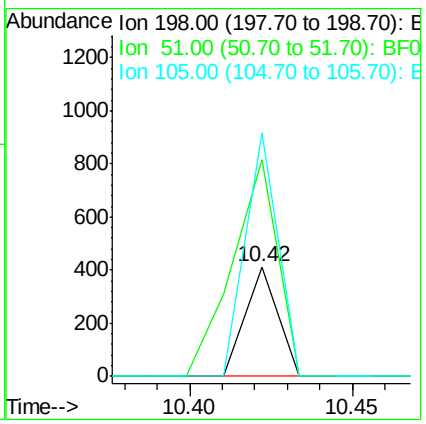


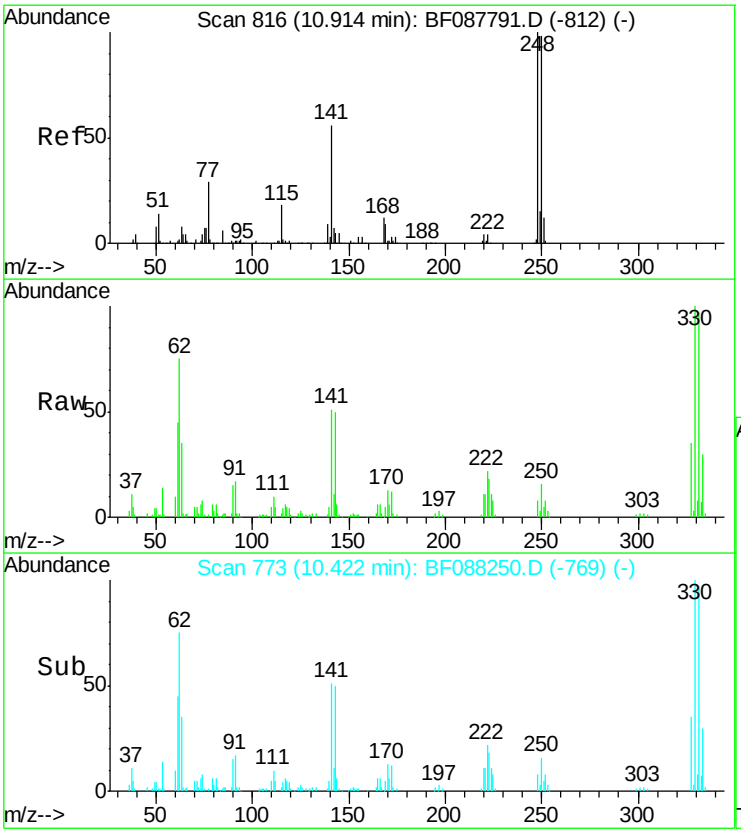

#64
4,6-Dinitro-2-methylphenol
Concen: 2.32 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.16 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:198 Resp: 283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 197.8 | 39.6 | 79.6# |
| 105 | 222.0 | 36.6 | 76.6# |

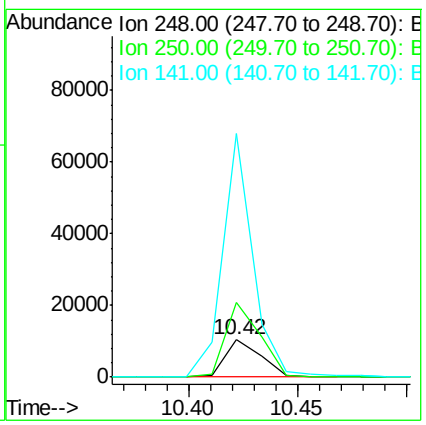


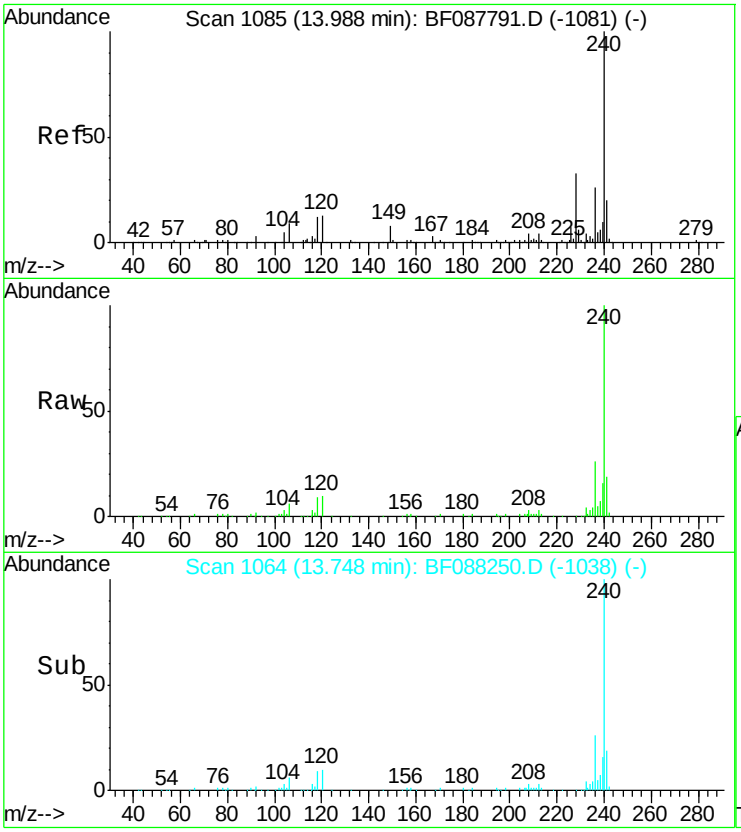




#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:248 Resp: 11577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.0 | 77.1 | 115.7# |
| 141 | 658.3 | 50.6 | 76.0# |



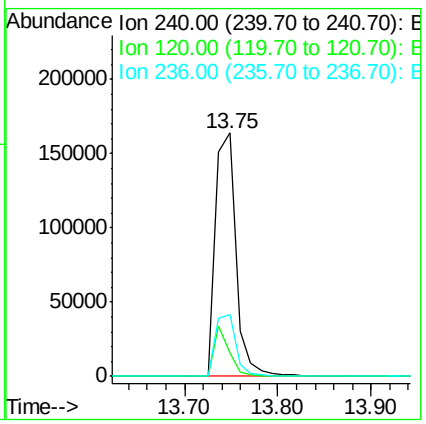


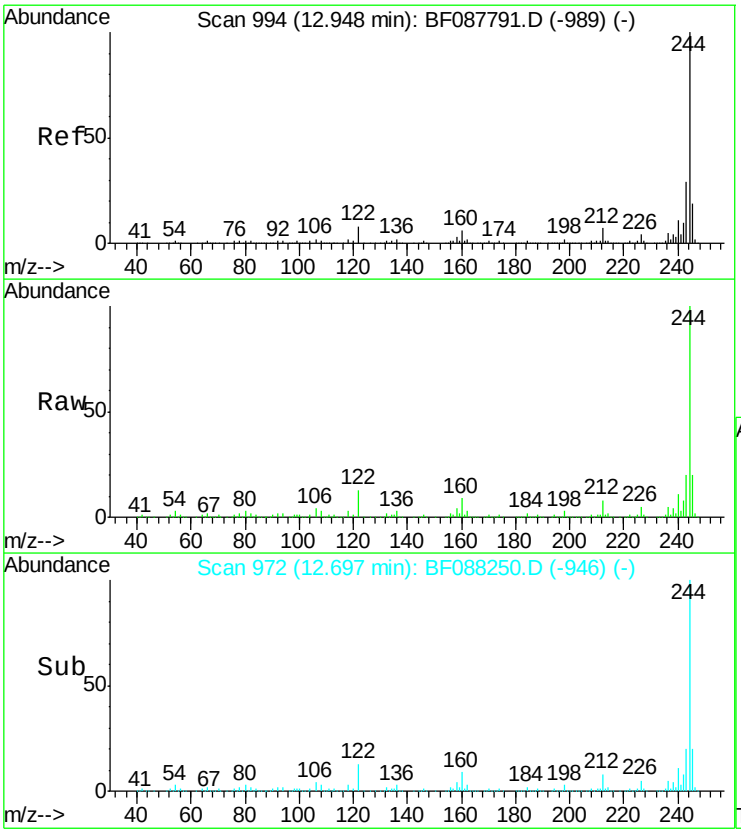

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:240 Resp: 250092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.8 | 10.2 |
| 236 | 25.6 | 20.2 | 30.2 |

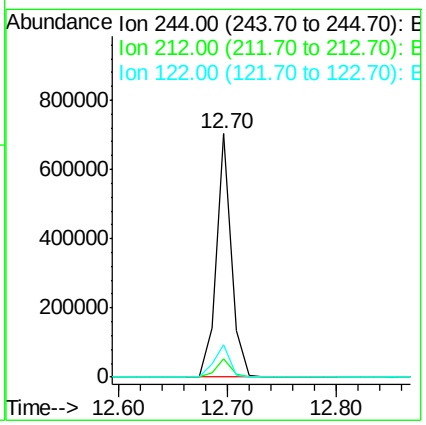


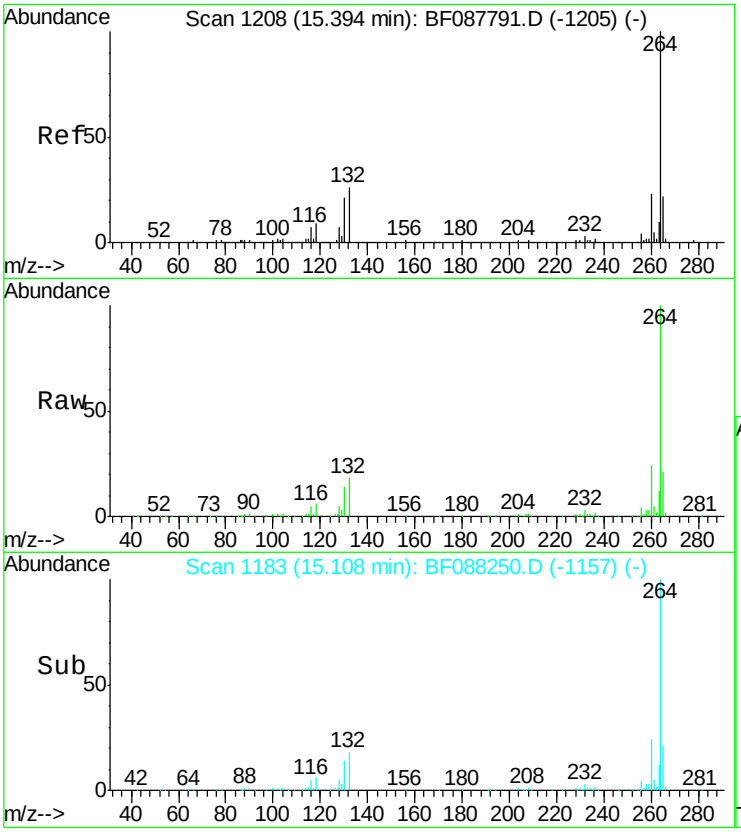




#78
Terphenyl-d14
Concen: 61.44 ng
RT: 12.70 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

Tgt Ion:244 Resp: 675276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 13.3 | 11.2 | 16.8 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF088250.D
Acq: 22 Jun 2016 15:27

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

Tgt Ion:264 Resp: 195843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 21.1 | 16.9 | 25.3 |