Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
Data File : BF088036.D
Acq On : 15 Jun 2016 9:39
Operator : UM/SJ
Sample : H3362-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-201605ARE

Quant Time: Jun 15 12:56:45 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 162760 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.07 | 136 | 614854 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 276197 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 419670 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 402230 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.35 | 264 | 313883 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 943 | 0.10 | ng | -0.01 |
| 7) Phenol-d6 | 6.41 | 99 | 6024 | 0.52 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 755585 | 71.76 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng | |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1183116 | 66.06 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.89 | 244 | 898033 | 50.80 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 10) Phenol | 6.43 | 94 | 263 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 96857 | 13.12 | ng | # 72 |
| 25) Isophorone | 7.35 | 82 | 615942 | 31.58 | ng | # 65 |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 444 | Below Cal | # | 43 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 35295 | 7.70 | ng | # 40 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 35295 | 5.99 | ng | # 38 |
| 57) Fluorene | 10.36 | 166 | 402 | Below Cal | # | 85 |

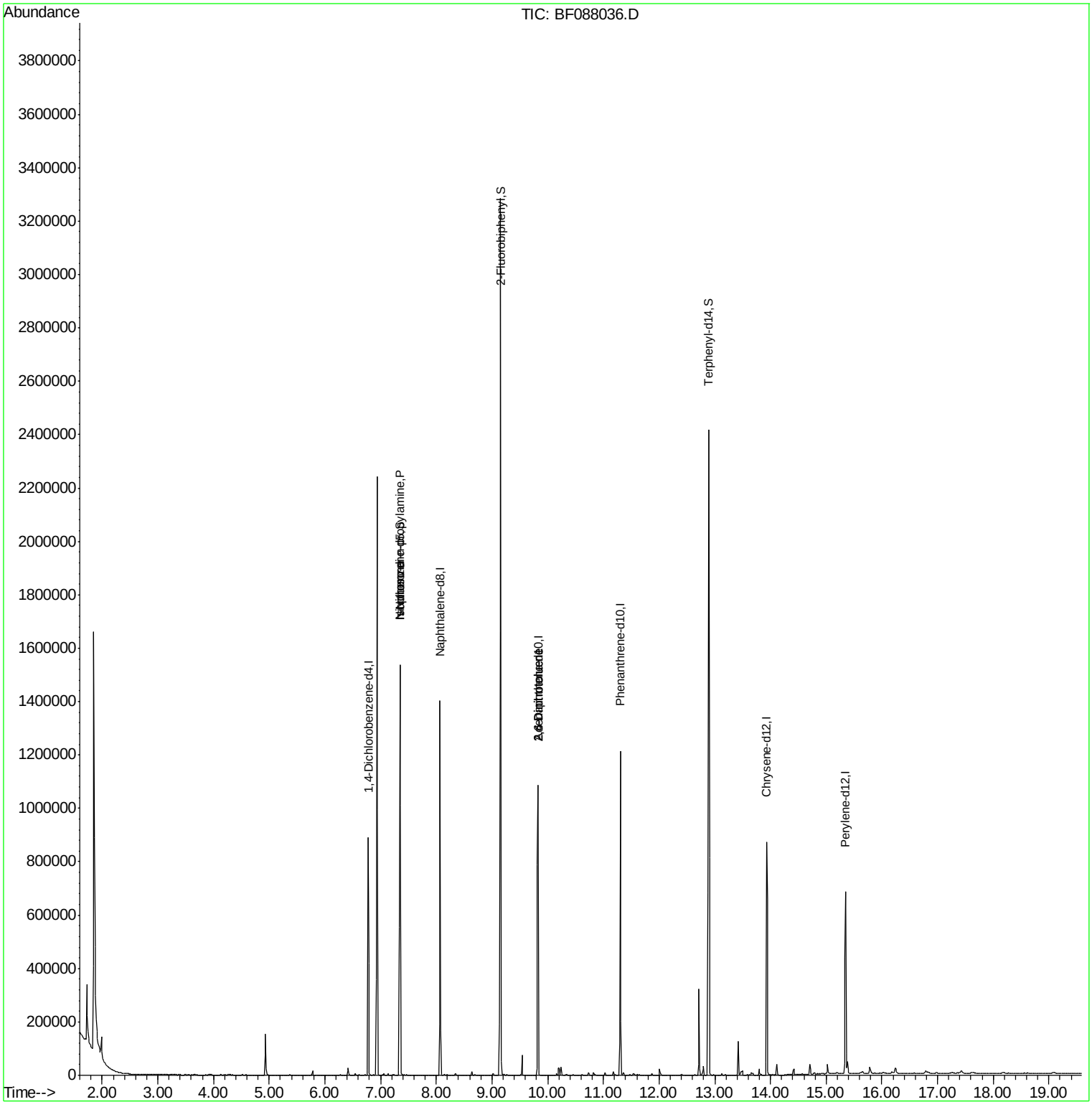
(#) = qualifier out of range (m) = manual integration (+) = signals summed

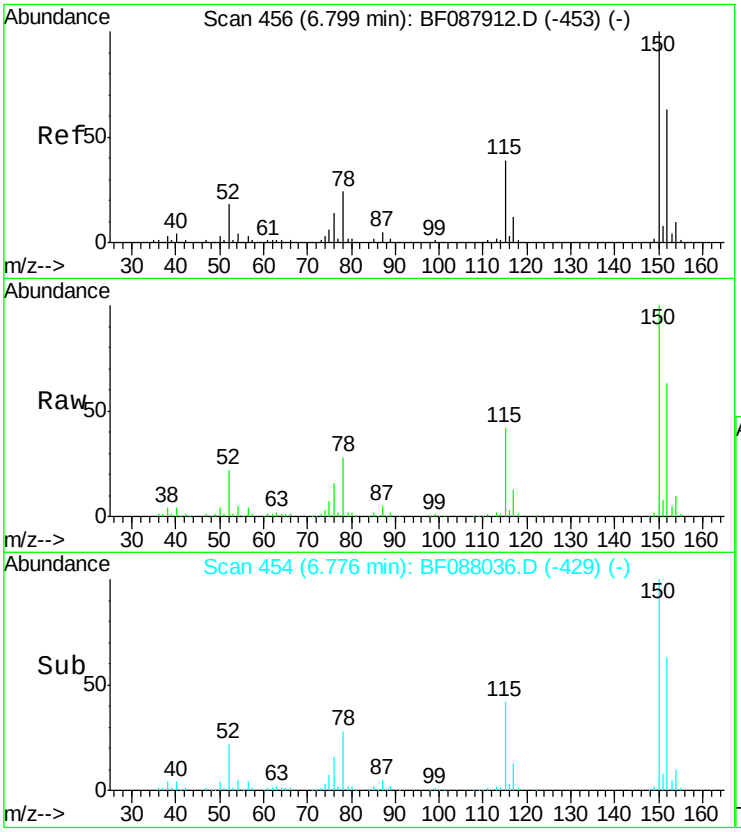
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
Data File : BF088036.D
Acq On : 15 Jun 2016 9:39
Operator : UM/SJ
Sample : H3362-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Quant Time: Jun 15 12:56:45 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration



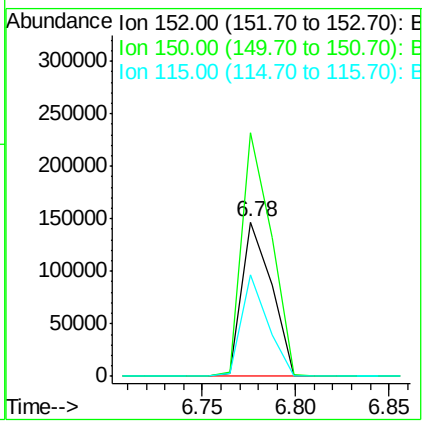


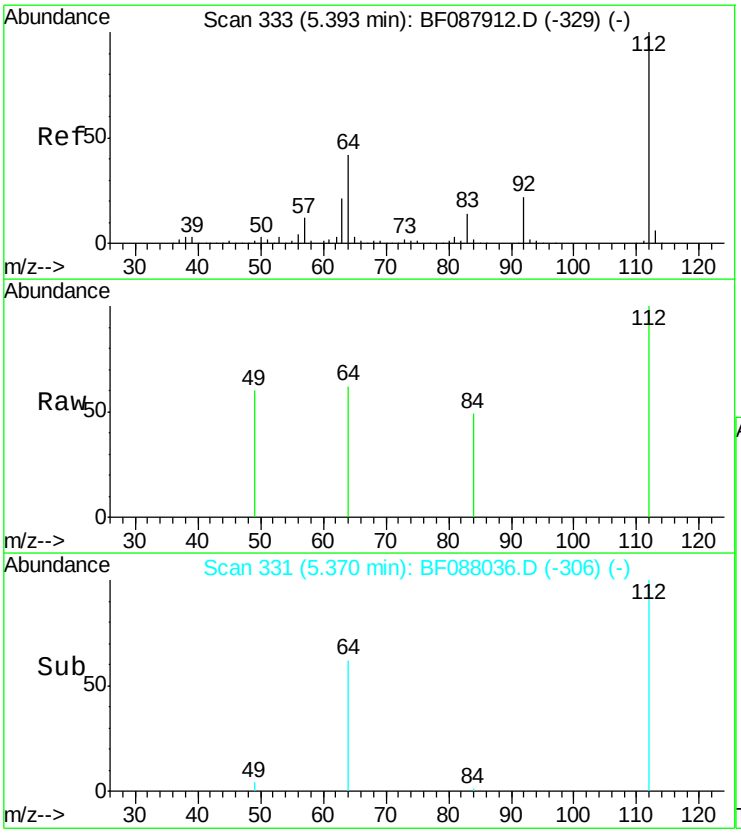

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:152 Resp: 162760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 123.8 | 185.6 |
| 115 | 66.1 | 39.6 | 59.4# |

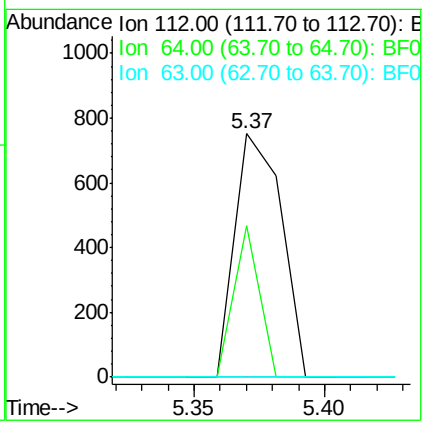


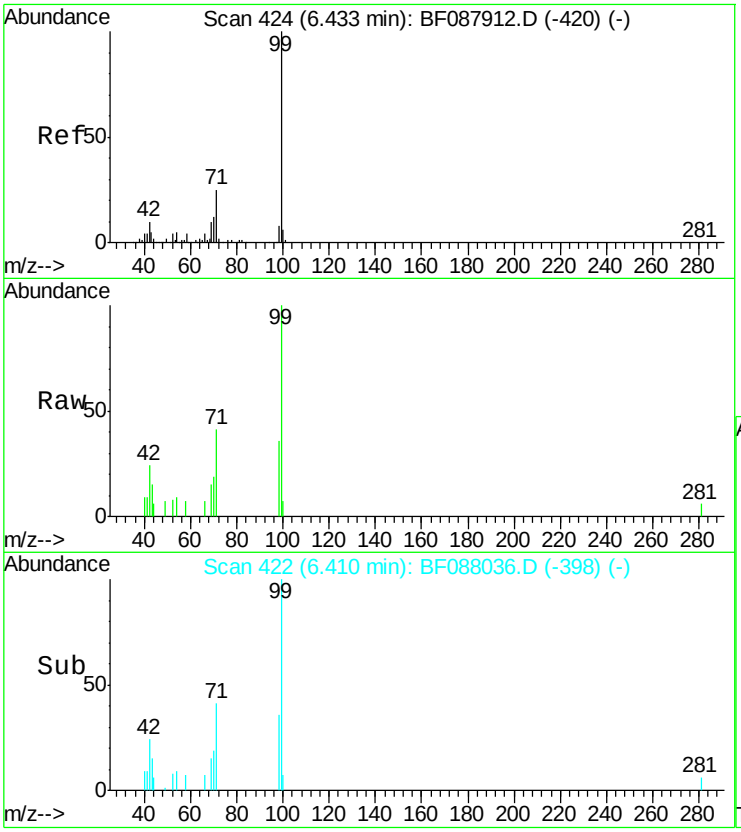




#5
2-Fluorophenol
Concen: 0.10 ng
RT: 5.37 min Scan# 331
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:112 Resp: 943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 42.2 | 63.2 |
| 63 | 0.0 | 21.8 | 32.8# |



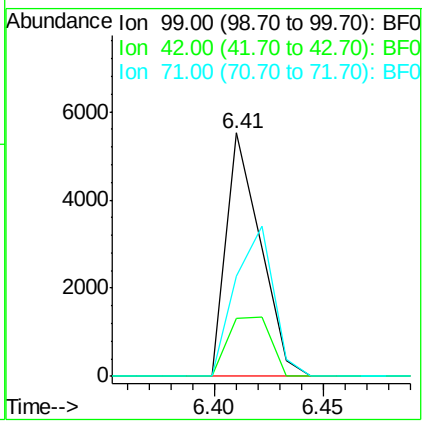


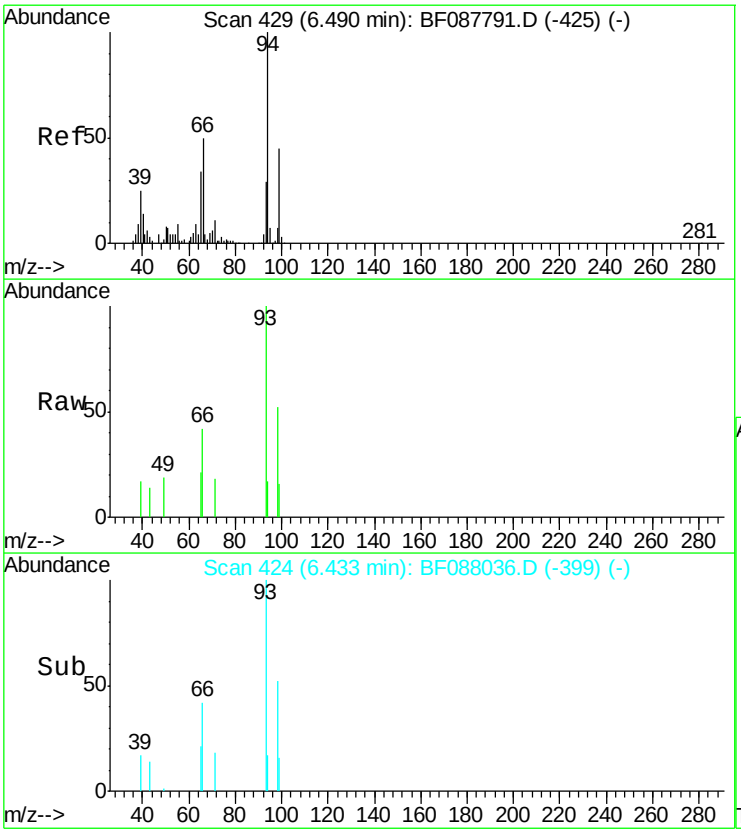

#7
Phenol-d6
Concen: 0.52 ng
RT: 6.41 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion: 99 Resp: 6024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.7 | 12.2 | 18.2# |
| 71 | 41.4 | 23.4 | 35.0# |

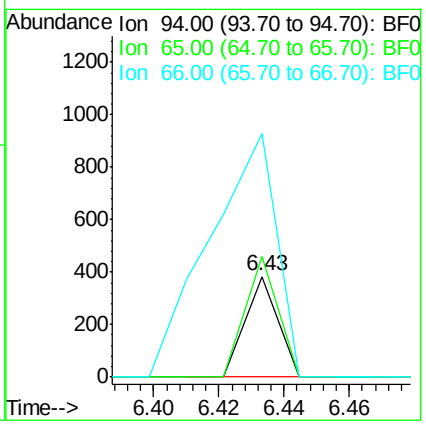


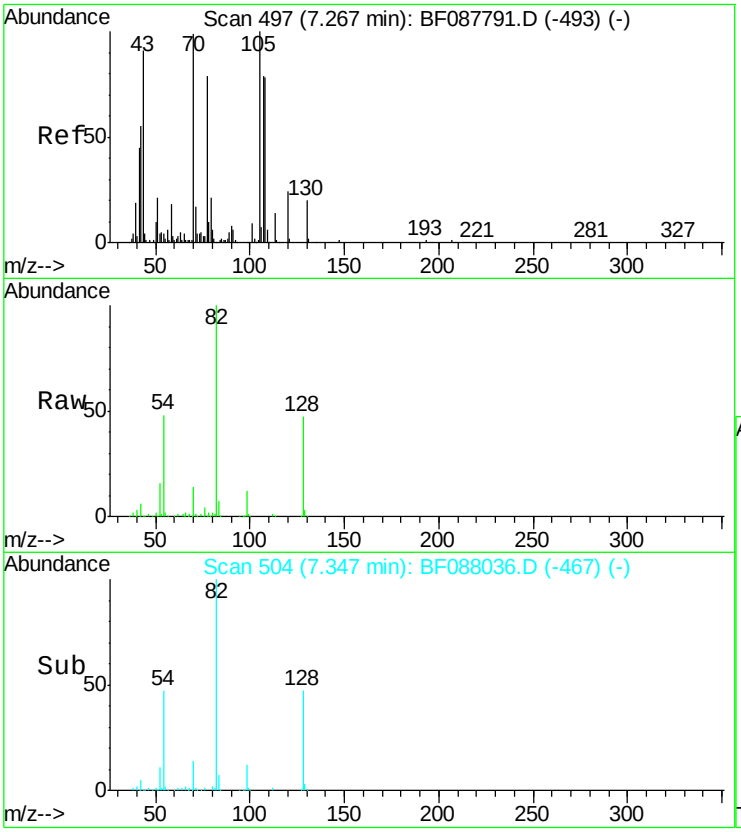




#10
Phenol
Concen: Below Cal
RT: 6.43 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion: 94 Resp: 263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 120.1 | 5.9 | 45.9# |
| 66 | 242.3 | 14.0 | 54.0# |



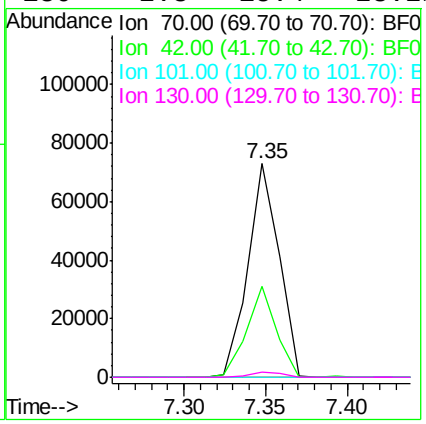


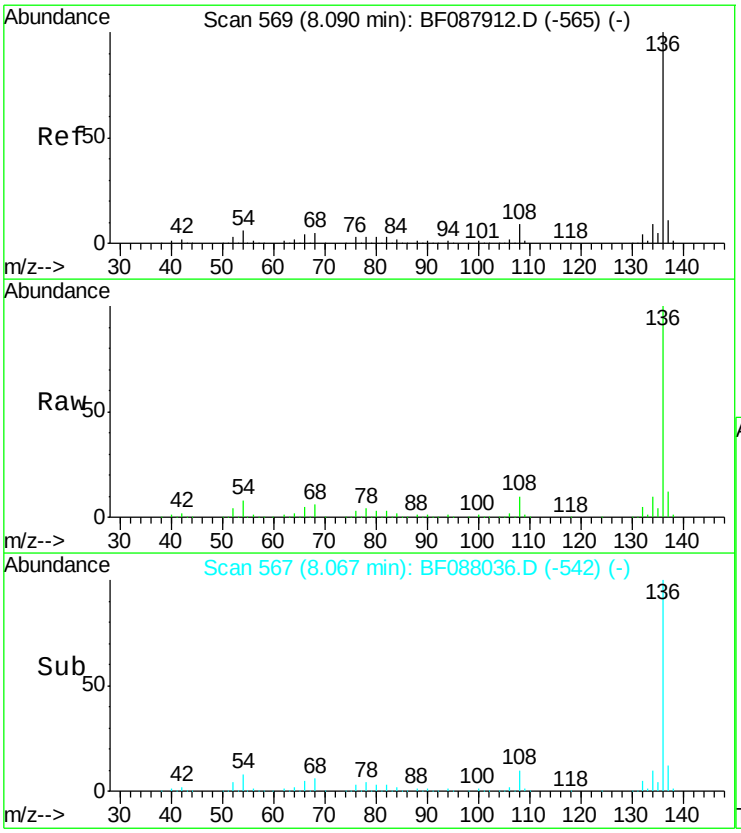

#19
n-Nitroso-di-n-propylamine
Concen: 13.12 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion: 70 Resp: 96857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.5 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.3 | 15.4 | 23.2# |

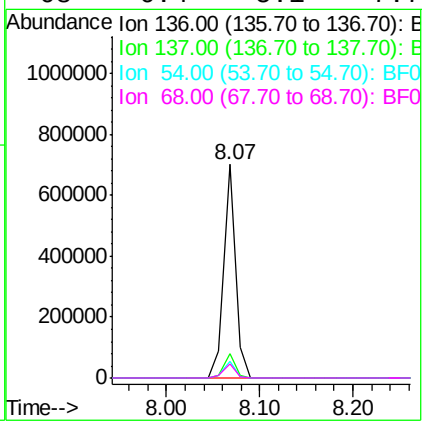


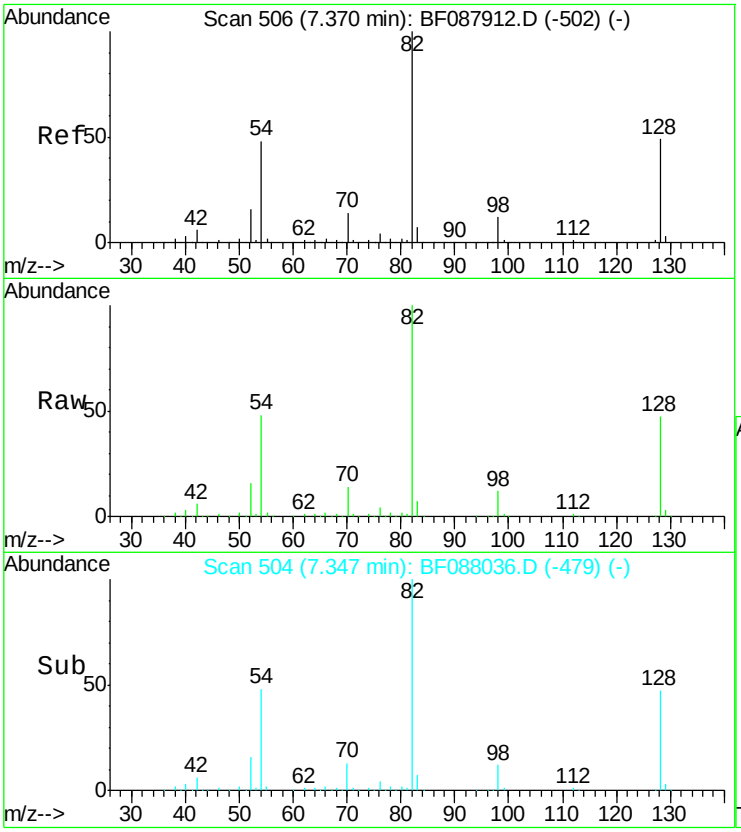




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:136 Resp: 614854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.1 | 13.7 |
| 54 | 7.8 | 6.6 | 10.0 |
| 68 | 6.4 | 5.1 | 7.7 |



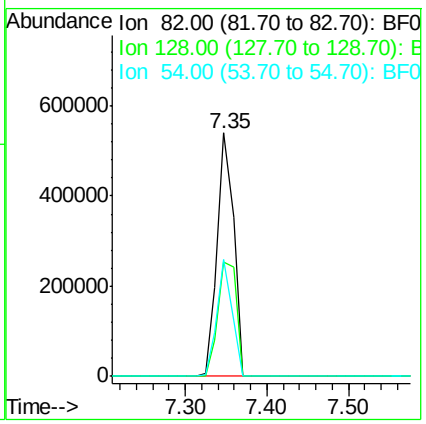


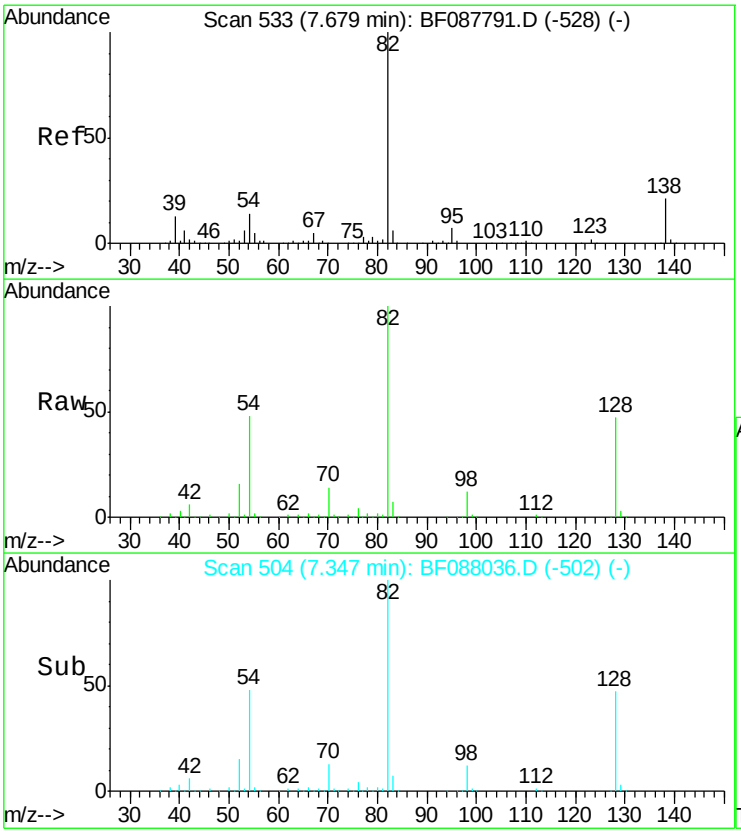

#23
Nitrobenzene-d5
Concen: 71.76 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion: 82 Resp: 755585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 35.9 | 53.9 |
| 54 | 48.0 | 40.9 | 61.3 |

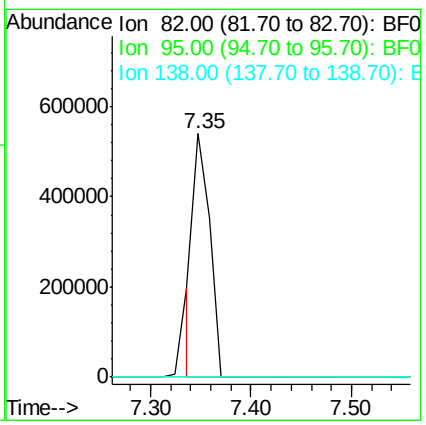


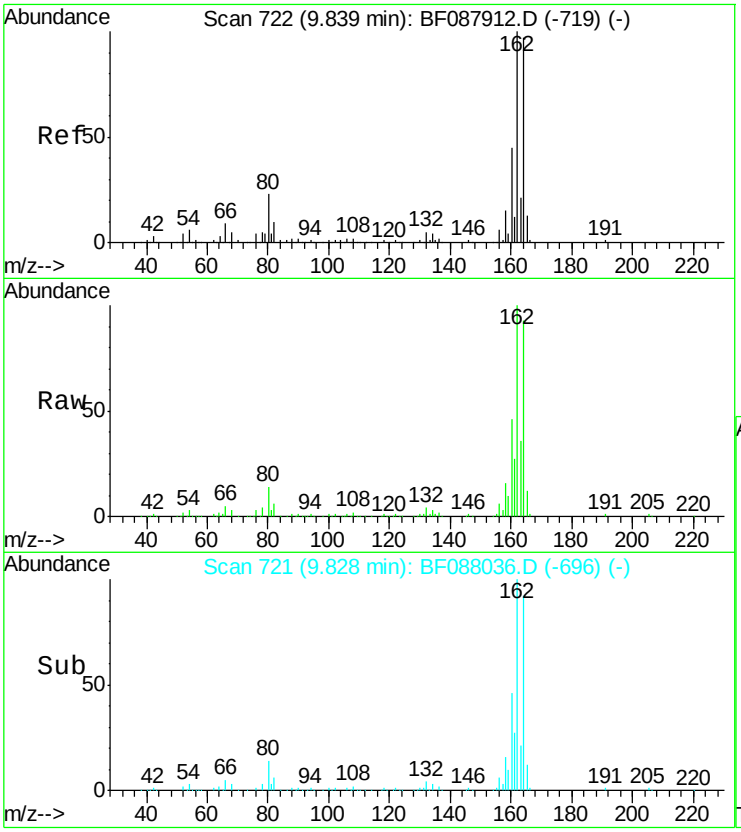




#25
Isophorone
Concen: 31.58 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.27 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion: 82 Resp: 615942

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



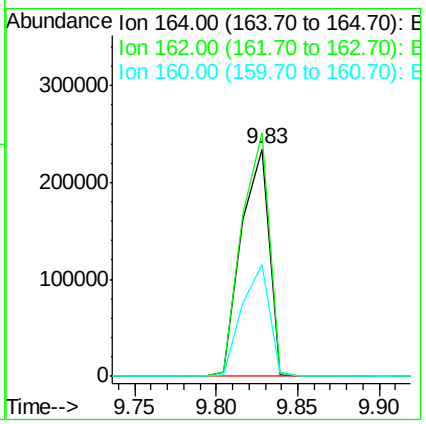


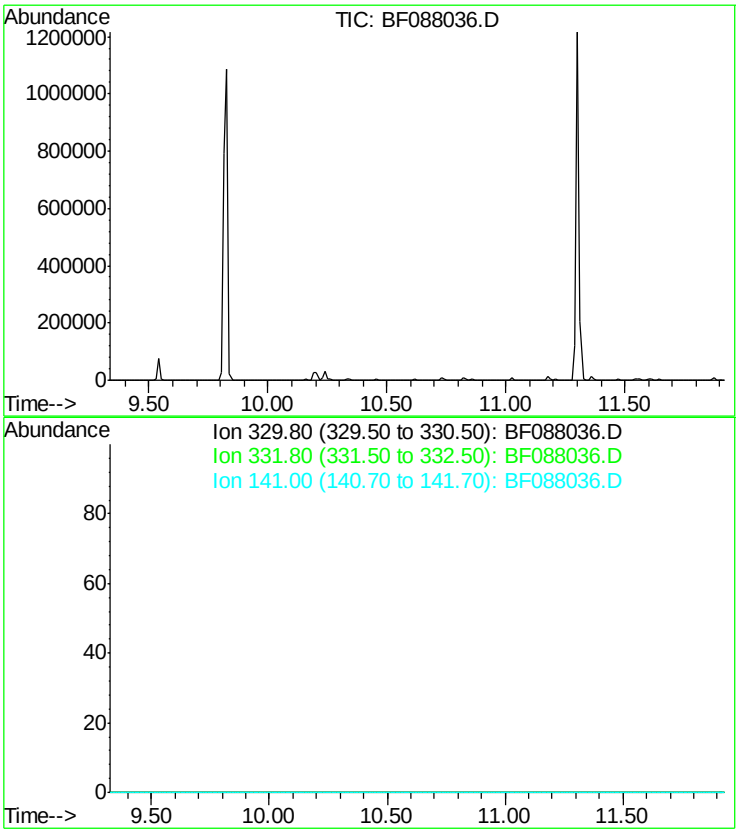

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:164 Resp: 276197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.1 | 85.4 | 128.2 |
| 160 | 49.1 | 39.5 | 59.3 |



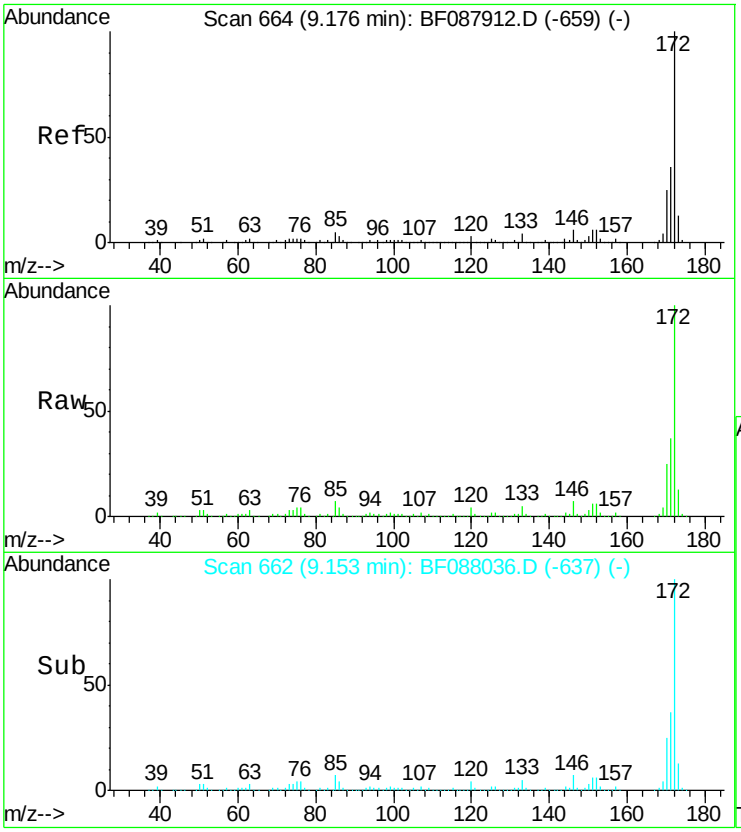




#41
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 10.63 min

Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 0.0 |
| 141 | 0.0 |

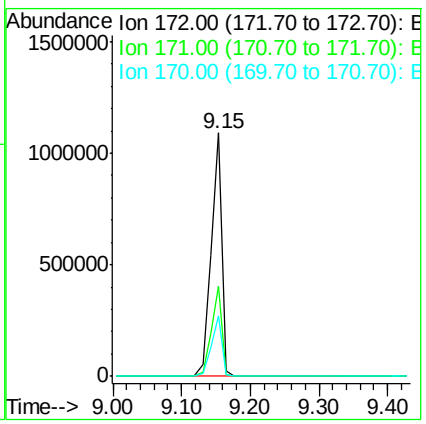


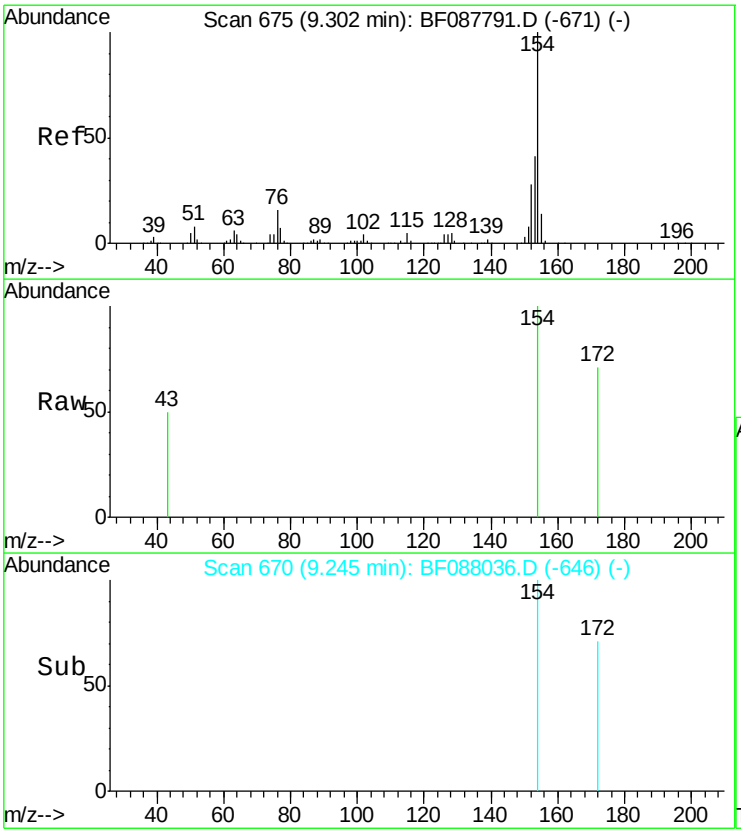

#44
2-Fluorobiphenyl
Concen: 66.06 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:172 Resp: 1183116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 28.6 | 43.0 |
| 170 | 24.9 | 19.2 | 28.8 |

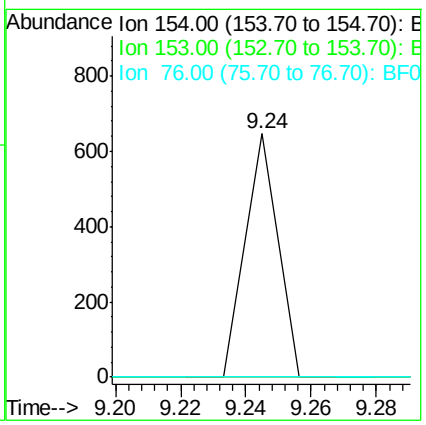


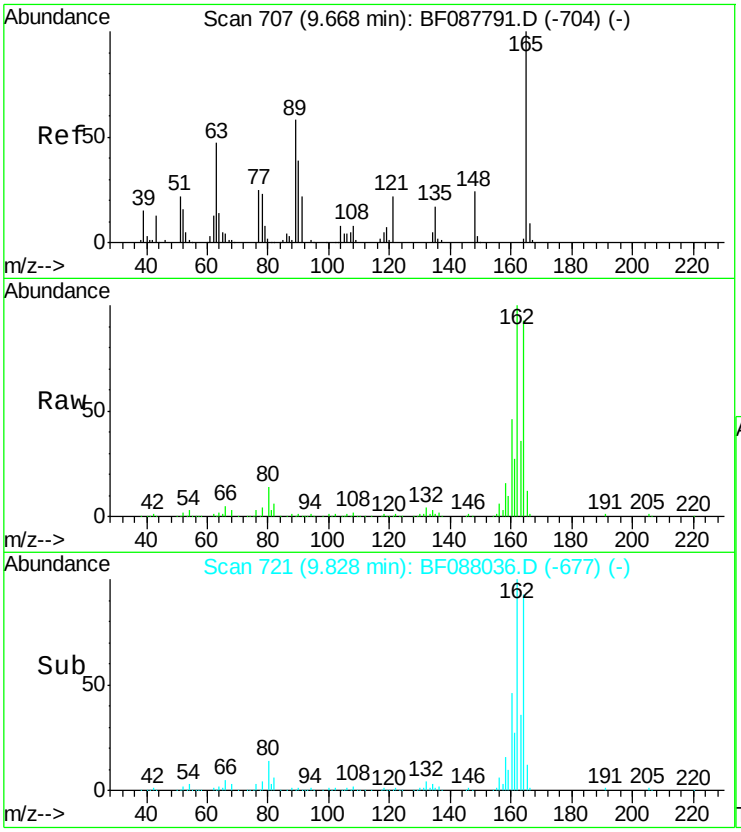




#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:154 Resp: 444

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



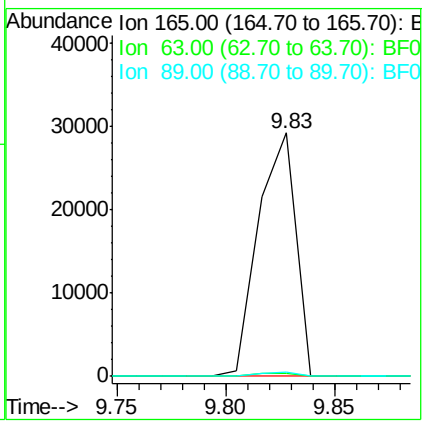


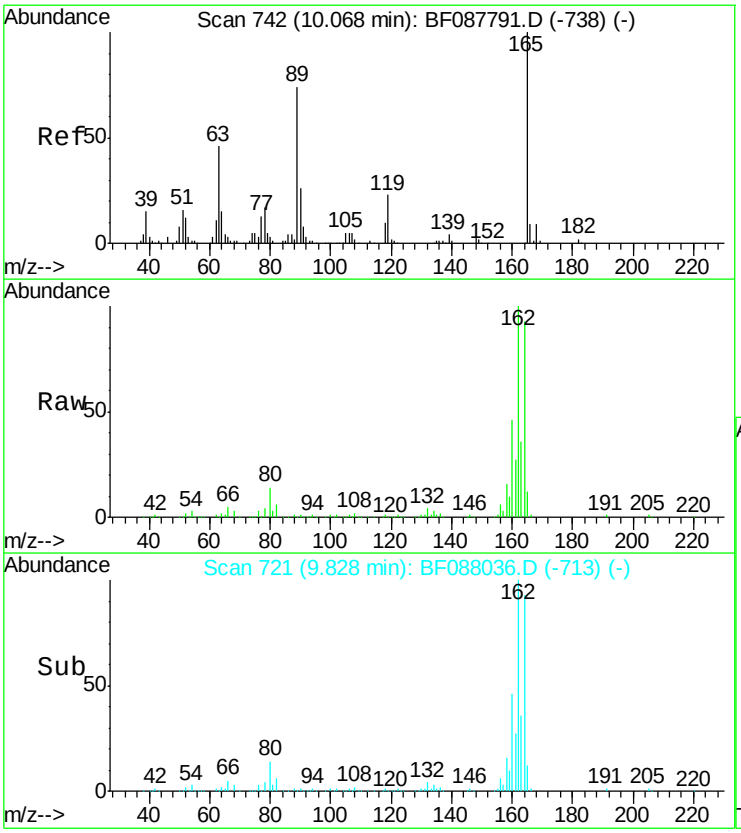

#50
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.21 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:165 Resp: 35295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 28.1 | 42.1# |
| 89 | 1.7 | 32.2 | 48.2# |

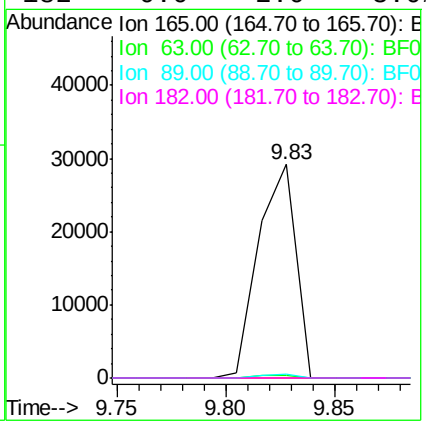


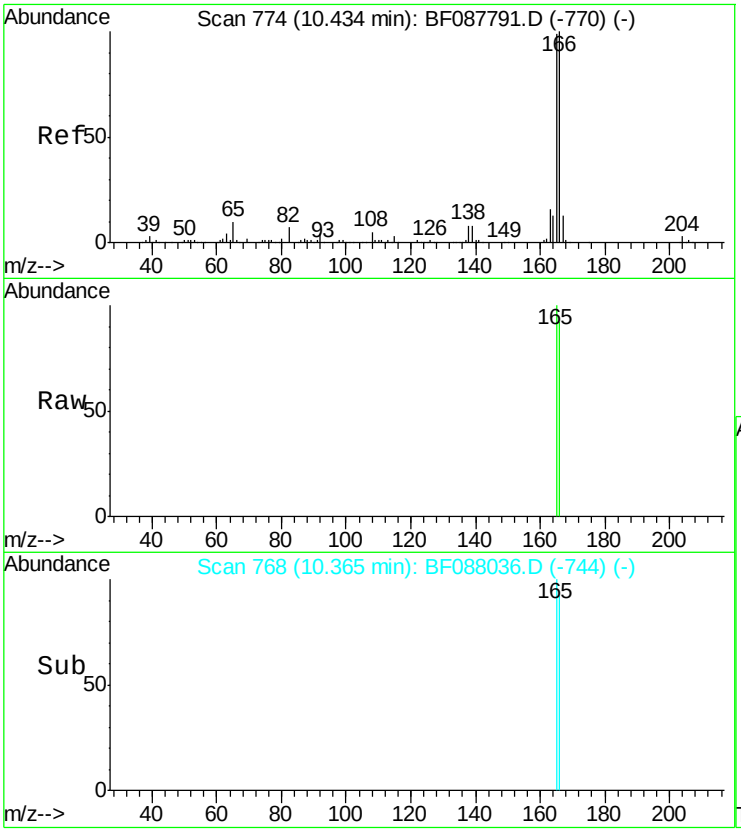




#56
2,4-Dinitrotoluene
Concen: 5.99 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.21 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:165 Resp: 35295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 22.0 | 33.0# |
| 89 | 1.7 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |



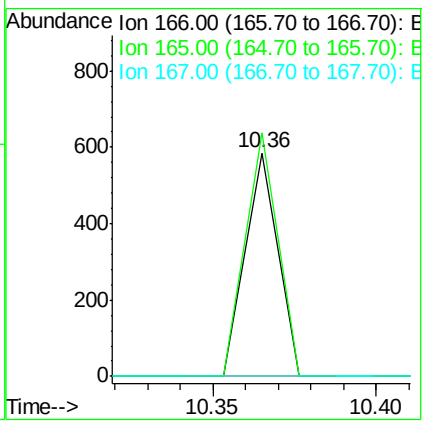


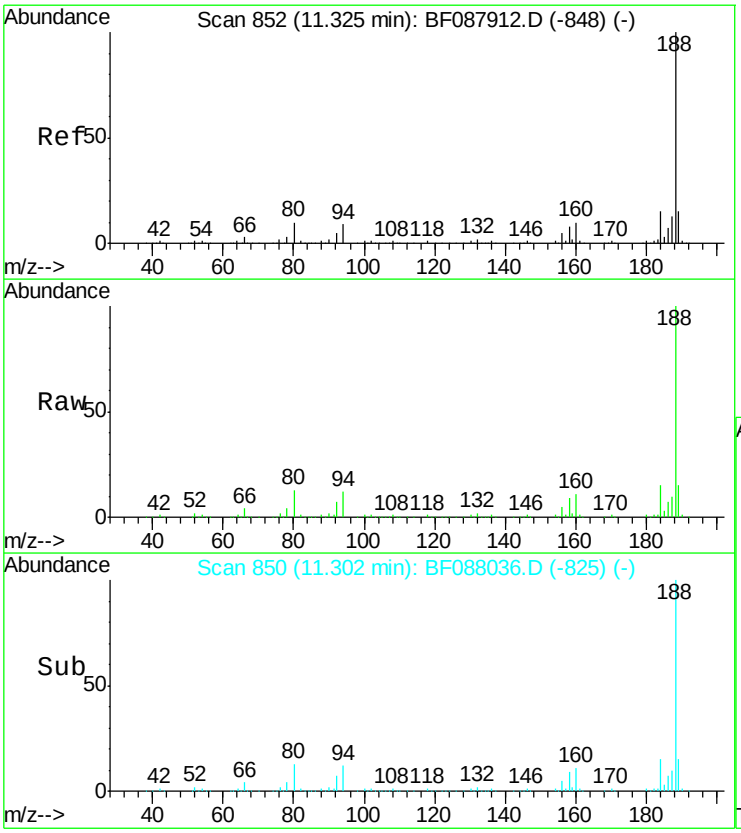

#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 768
Delta R.T. -0.02 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:166 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 108.9 | 77.8 | 116.8 |
| 167 | 0.0 | 11.2 | 16.8# |

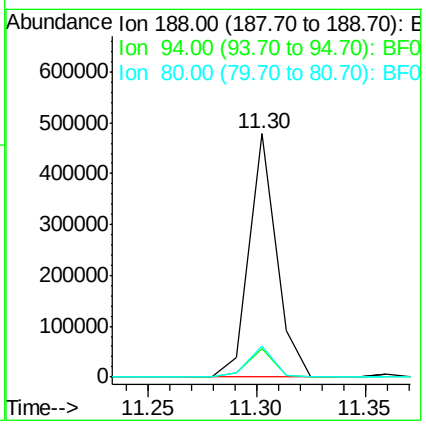


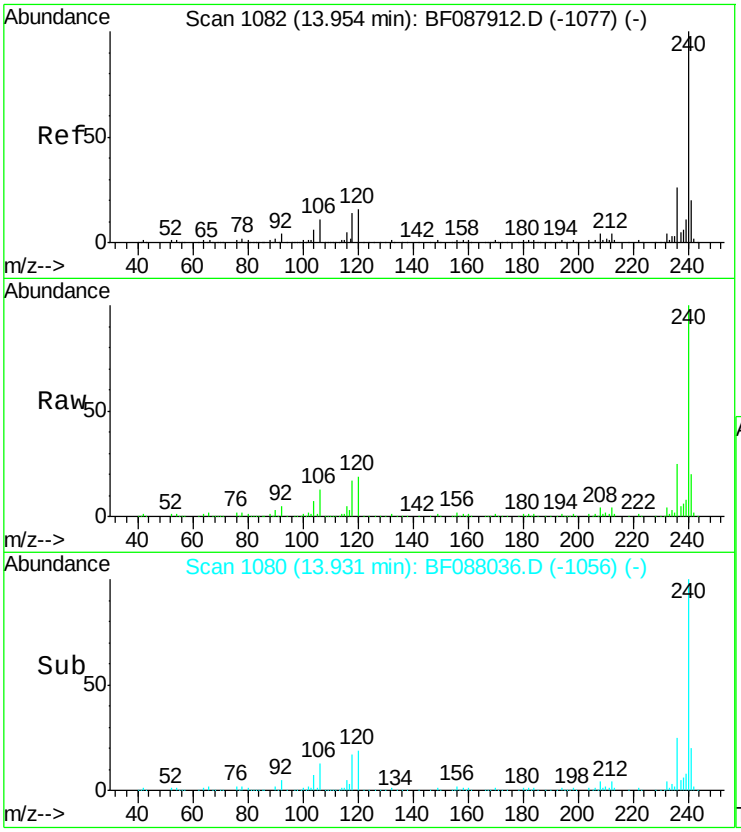




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:188 Resp: 419670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.8 | 9.0 | 13.6 |
| 80 | 12.6 | 10.0 | 15.0 |



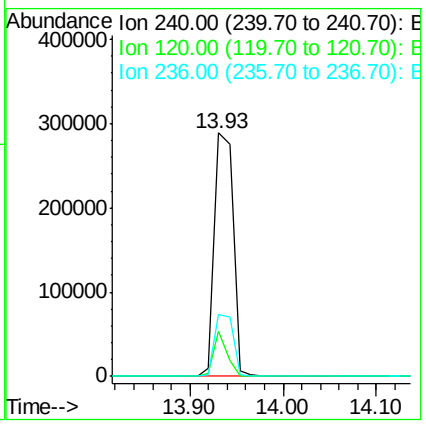


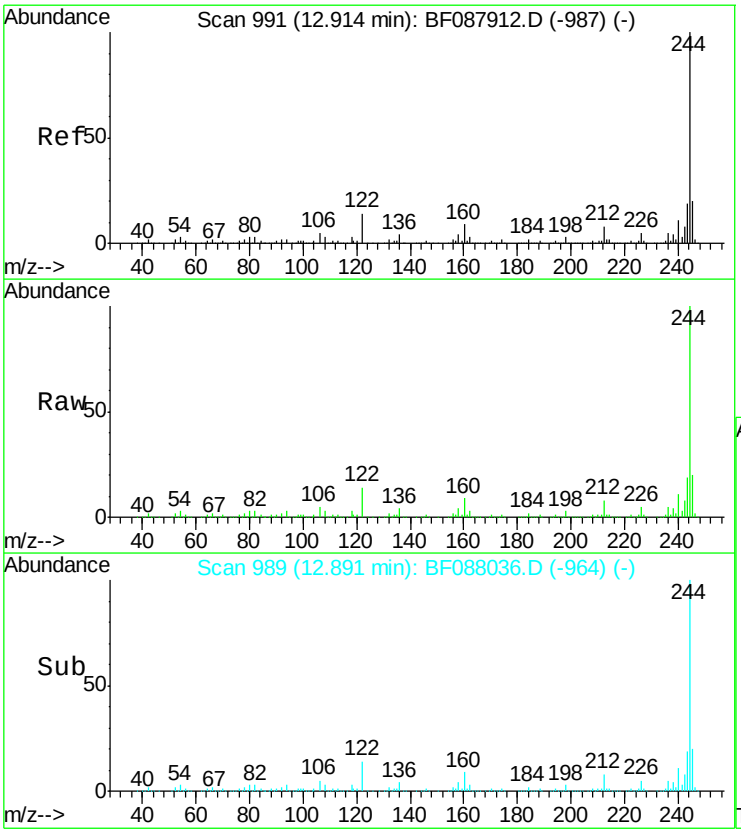

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:240 Resp: 402230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 18.8 | 6.8 | 10.2# |
| 236 | 25.3 | 20.2 | 30.2 |

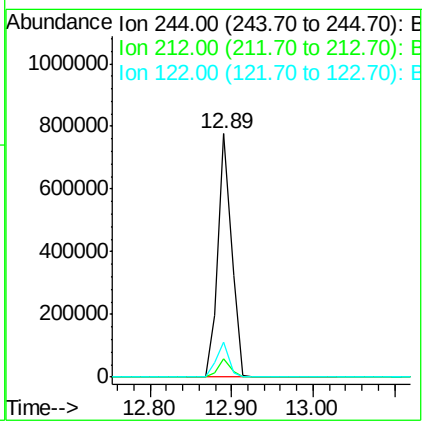


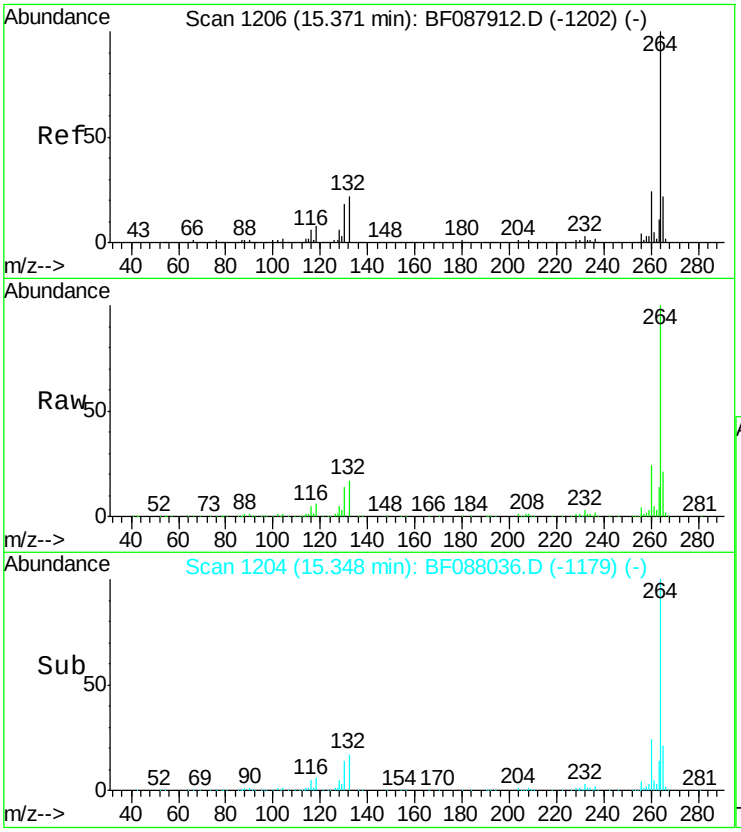




#78
Terphenyl-d14
Concen: 50.80 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

Tgt Ion:244 Resp: 898033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.0 | 9.0 |
| 122 | 14.4 | 11.2 | 16.8 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088036.D
Acq: 15 Jun 2016 9:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-201605ARE

Tgt Ion:264 Resp: 313883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.2 | 16.9 | 25.3 |