Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
Data File : BF084347.D
Acq On : 9 Jan 2016 1:53
Operator : SJ/UM
Sample : H1036-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-DRUM2

Quant Time: Jan 09 04:52:53 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 260796 | 20.00 | ng | -0.05 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1085416 | 20.00 | ng | -0.05 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 520912 | 20.00 | ng | -0.06 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 982370 | 20.00 | ng | -0.05 |
| 75) Chrysene-d12 | 14.01 | 240 | 673501 | 20.00 | ng | -0.06 |
| 86) Perylene-d12 | 15.44 | 264 | 505765 | 20.00 | ng | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1975450 | 122.52 | ng | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 2127059 | 105.04 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1886328 | 96.72 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 774863 | 147.34 | ng | -0.05 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 2643720 | 89.62 | ng | -0.05 |
| 78) Terphenyl-d14 | 12.97 | 244 | 2608008 | 86.44 | ng | -0.05 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.16 | 128 | 261697 | 5.31 | ng | 98 |
| 32) Benzoic acid | 7.87 | 122 | 7848 | 6.83 | ng | 90 |

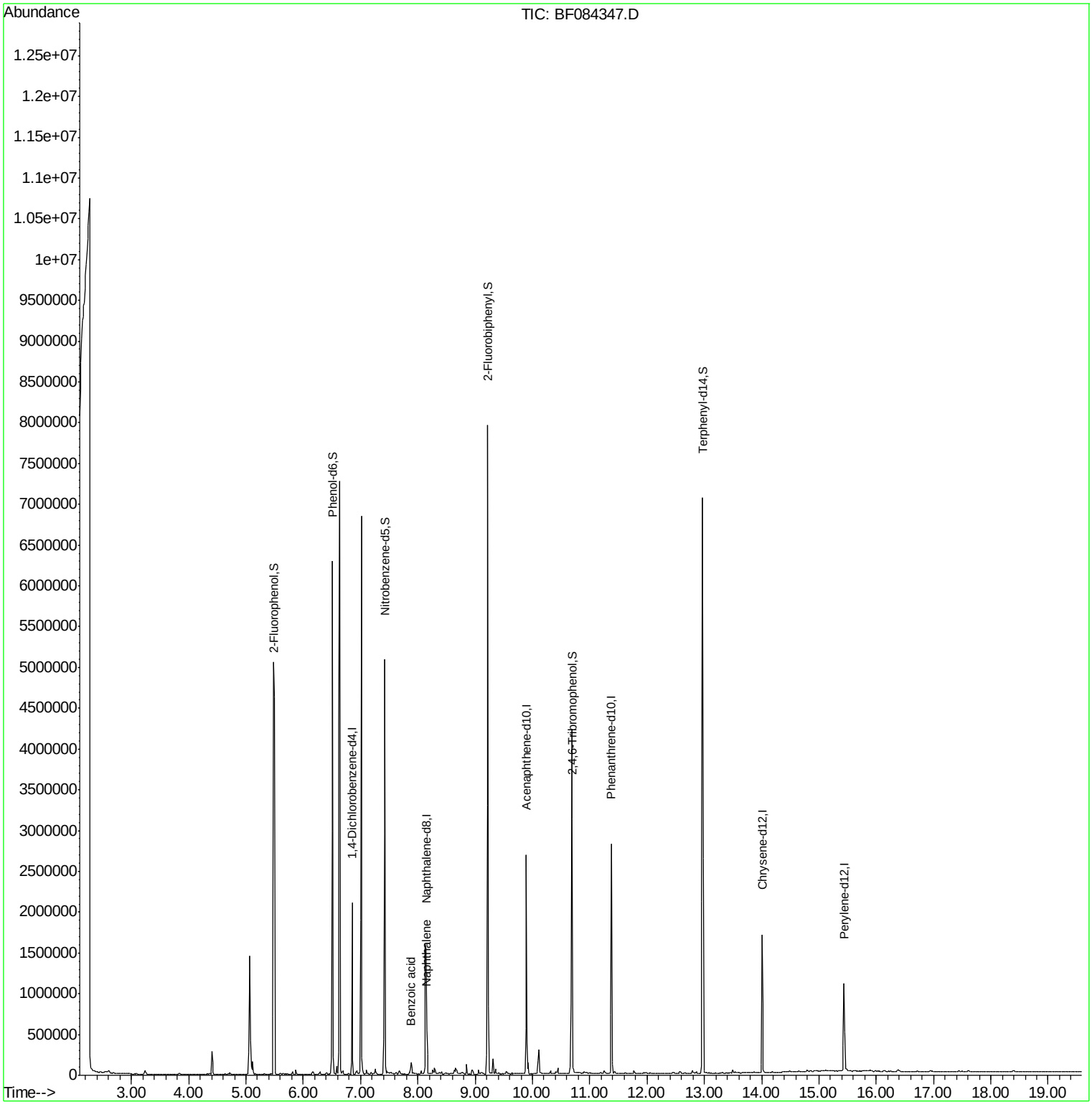
(#) = qualifier out of range (m) = manual integration (+) = signals summed

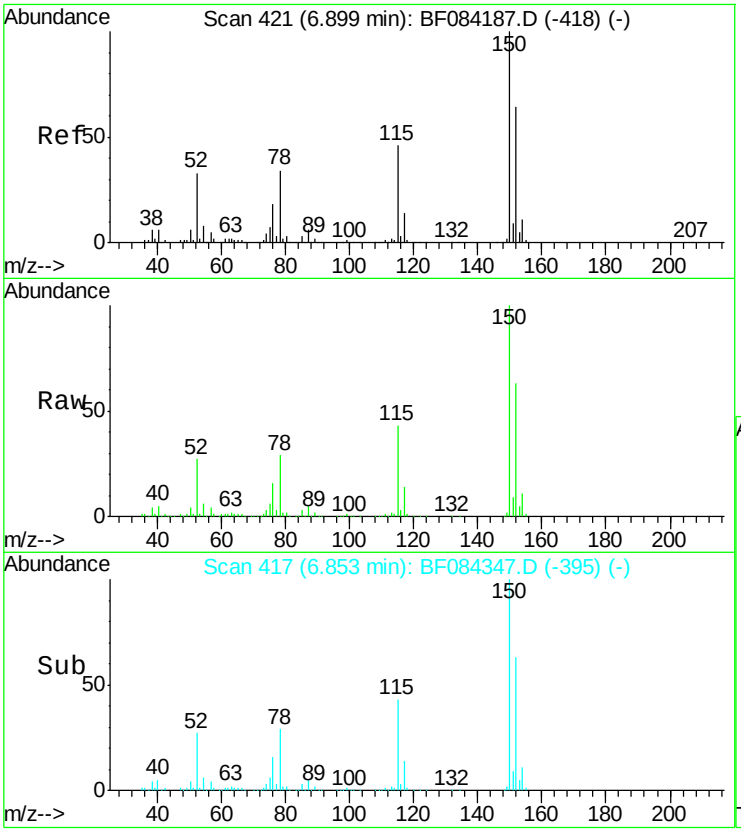
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
Data File : BF084347.D
Acq On : 9 Jan 2016 1:53
Operator : SJ/UM
Sample : H1036-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Quant Time: Jan 09 04:52:53 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



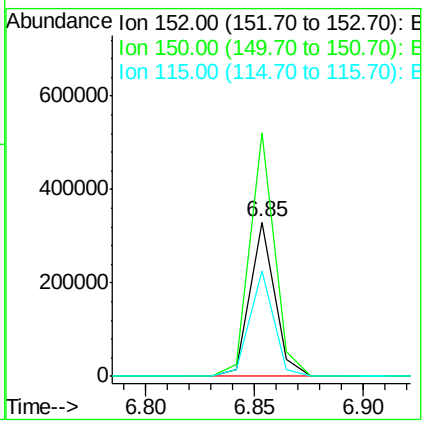


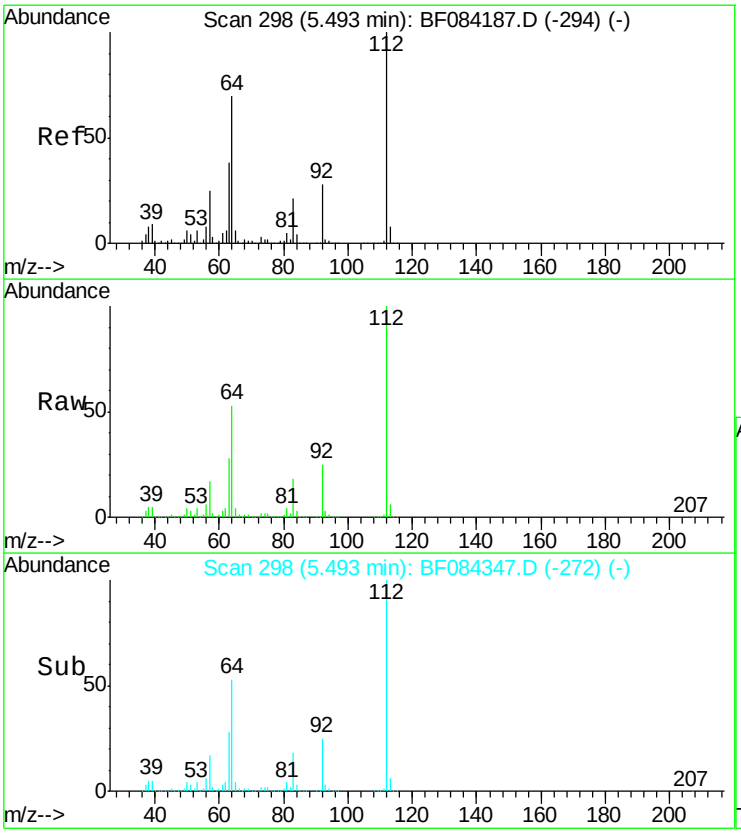

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion:152 Resp: 260796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 123.0 | 184.4 |
| 115 | 68.7 | 51.4 | 77.2 |

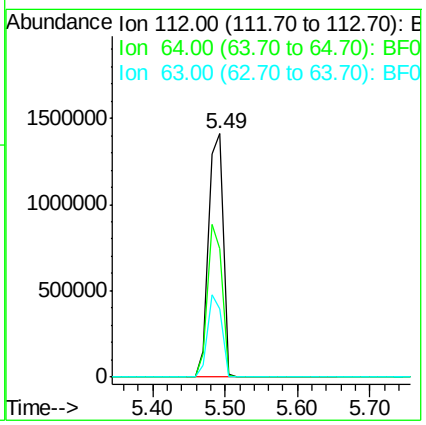


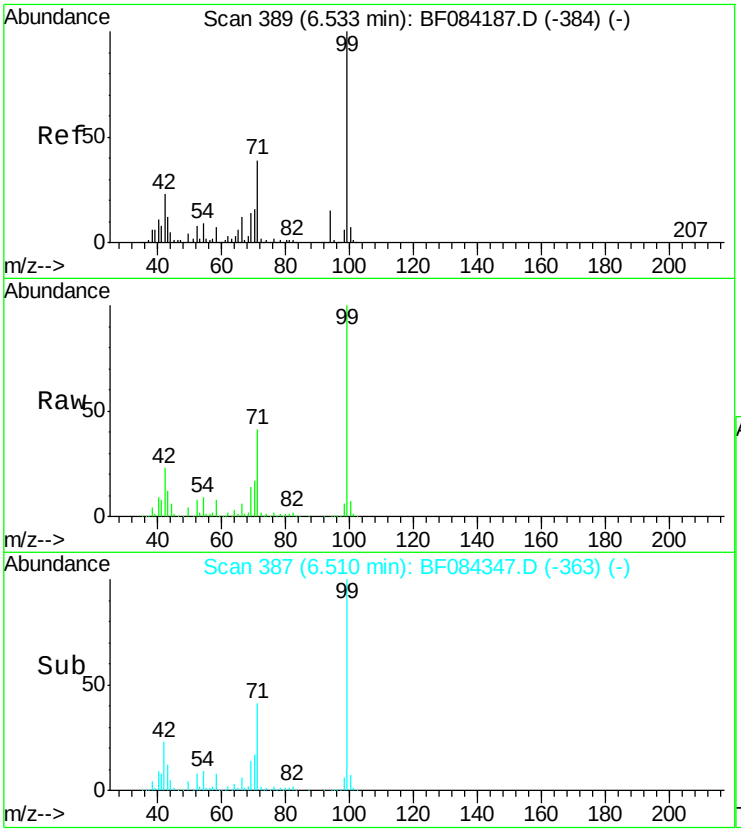




#5
2-Fluorophenol
Concen: 122.52 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.00 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:112 Resp: 1975450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.0 | 36.6 | 55.0 |
| 63 | 28.1 | 19.4 | 29.0 |



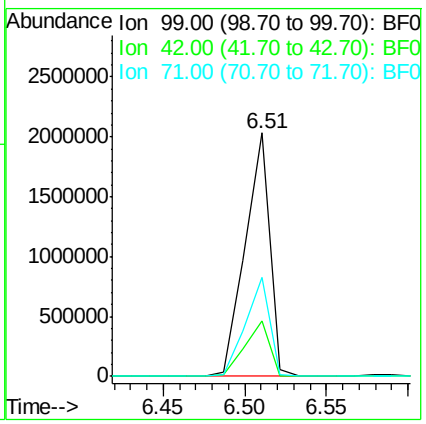


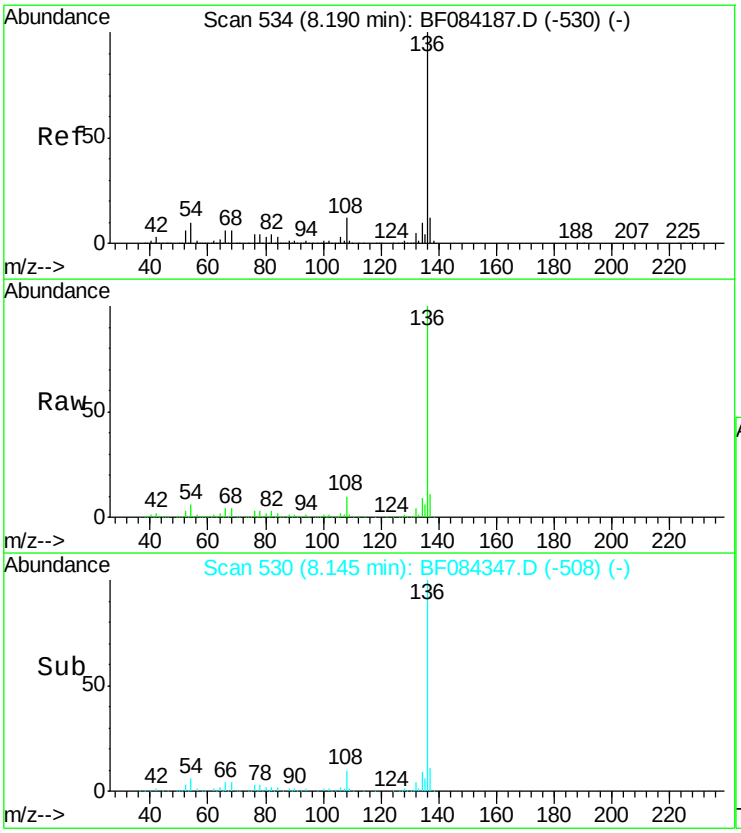

#7
Phenol-d6
Concen: 105.04 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.02 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion: 99 Resp: 2127059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.7 | 12.8 | 19.2# |
| 71 | 40.7 | 30.9 | 46.3 |

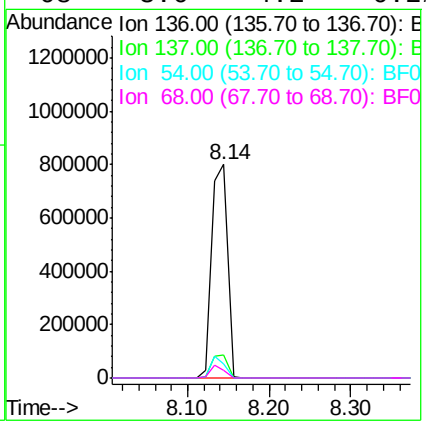


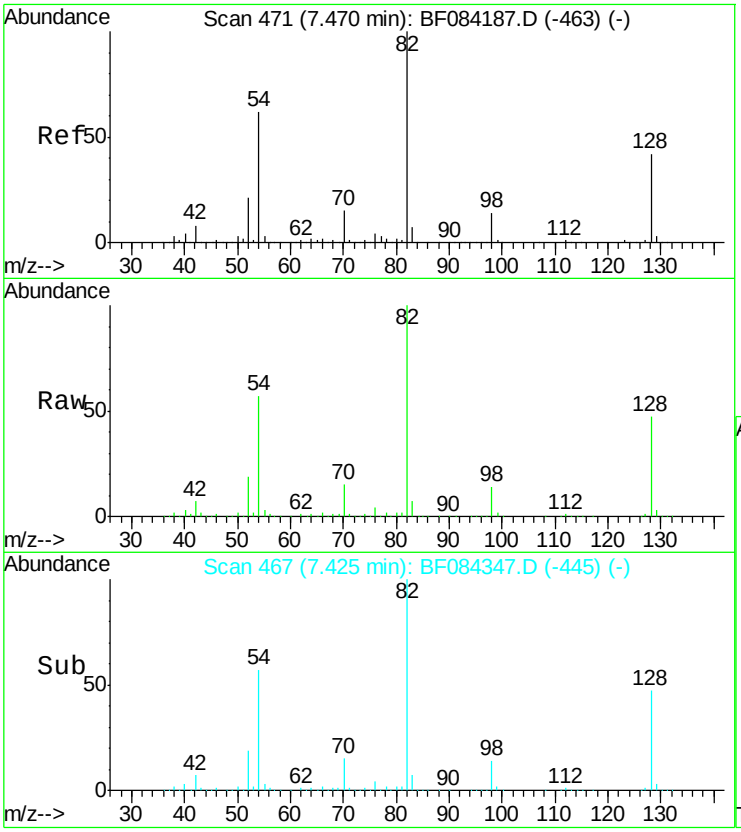




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:136 Resp: 1085416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.7 | 13.1 |
| 54 | 6.3 | 5.8 | 8.8 |
| 68 | 3.6 | 4.2 | 6.2# |



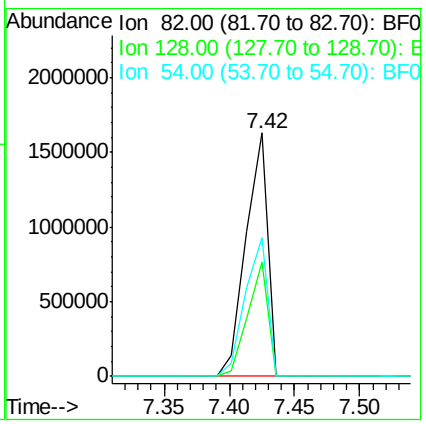


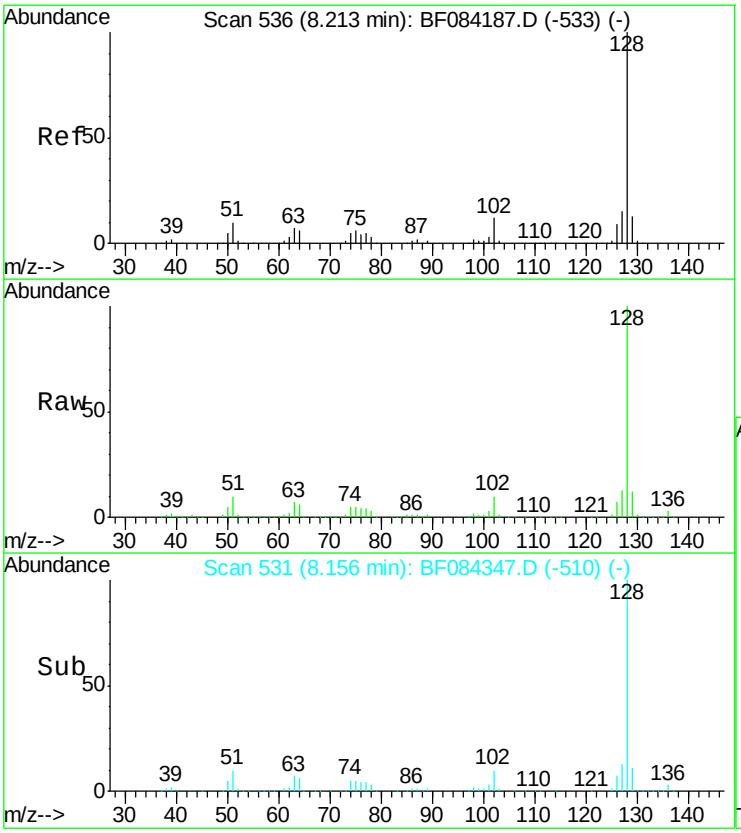

#23
Nitrobenzene-d5
Concen: 96.72 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion: 82 Resp: 1886328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.9 | 34.6 | 51.8 |
| 54 | 56.8 | 38.4 | 57.6 |

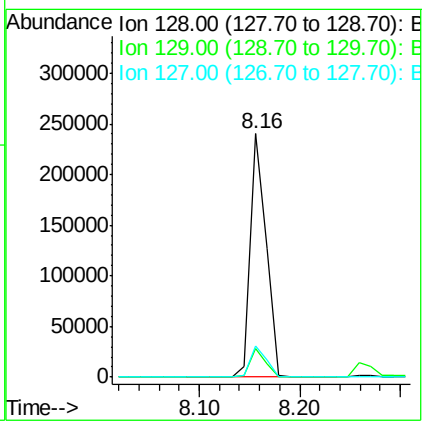


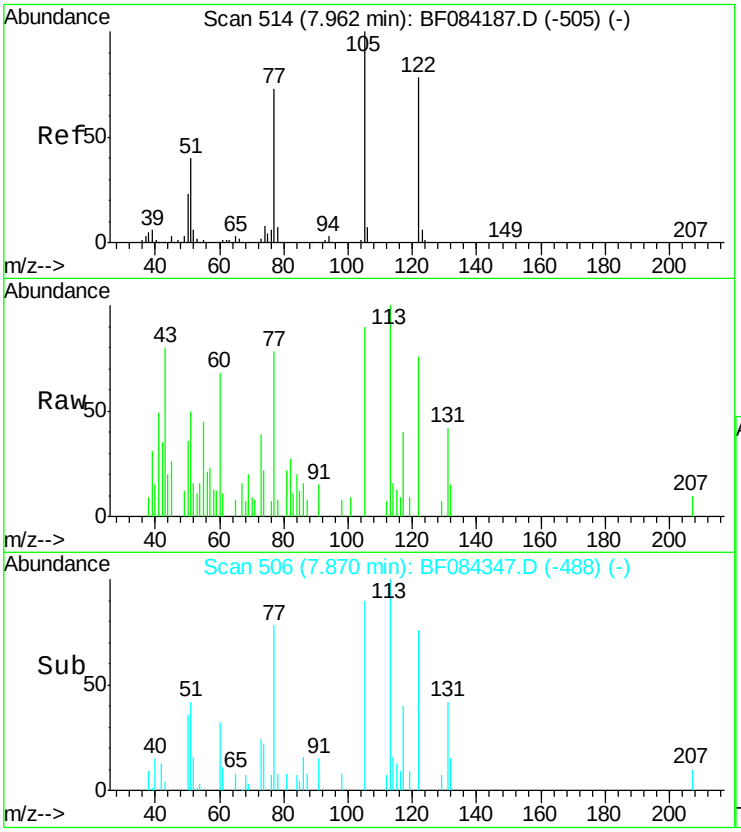




#31
Naphthalene
Concen: 5.31 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.06 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:128 Resp: 261697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.1 | 13.7 |
| 127 | 12.6 | 11.1 | 16.7 |



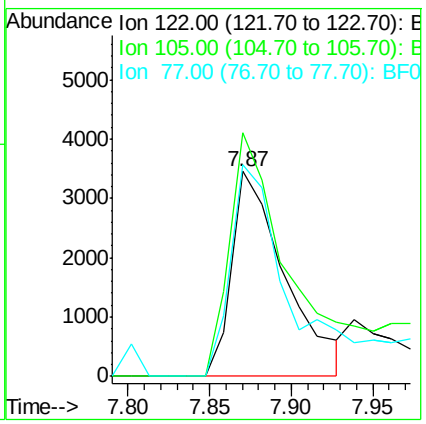


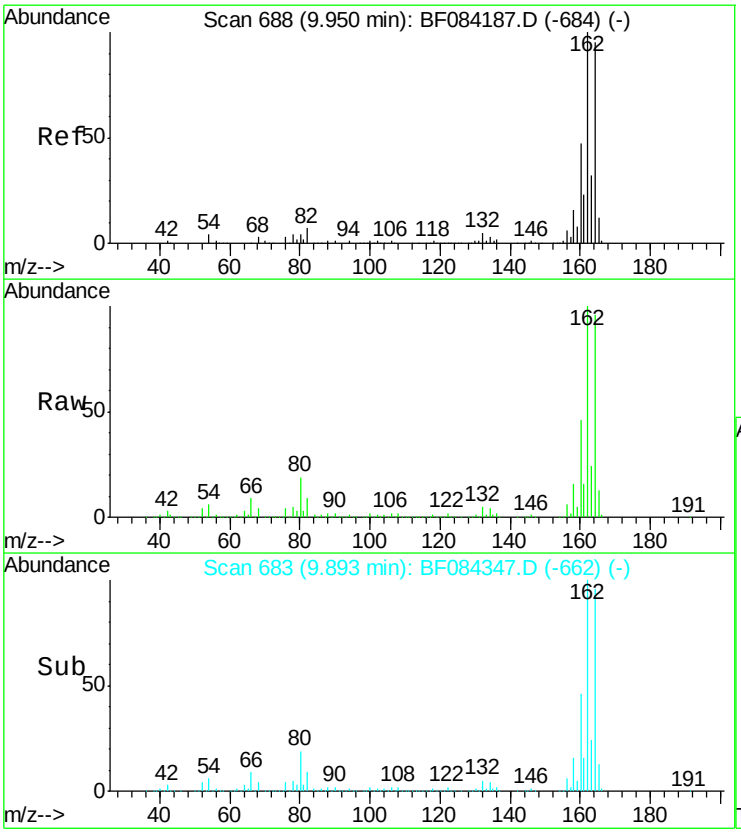

#32
Benzoic acid
Concen: 6.83 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.09 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion:122 Resp: 7848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 118.7 | 100.3 | 140.3 |
| 77 | 103.0 | 63.5 | 103.5 |

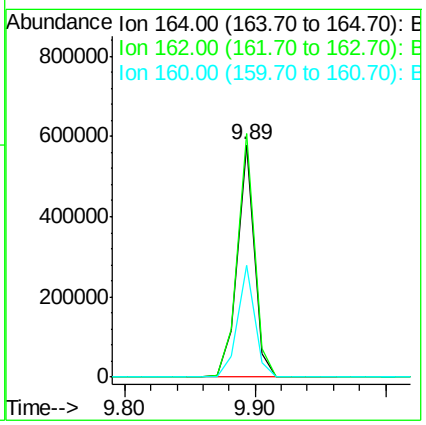


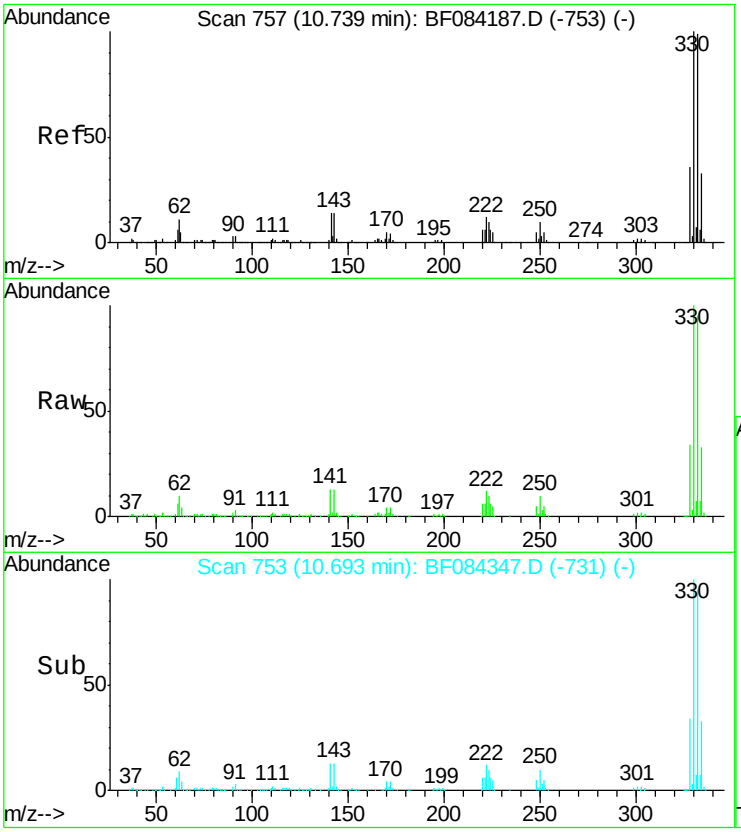




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:164 Resp: 520912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 85.1 | 127.7 |
| 160 | 48.3 | 37.5 | 56.3 |



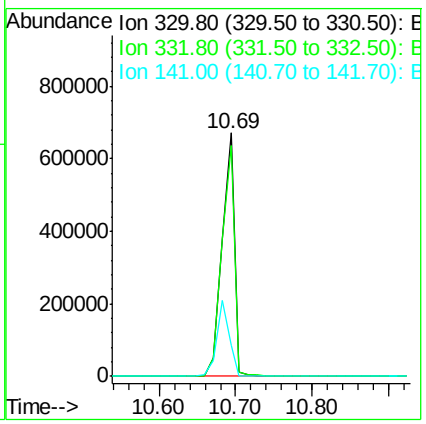


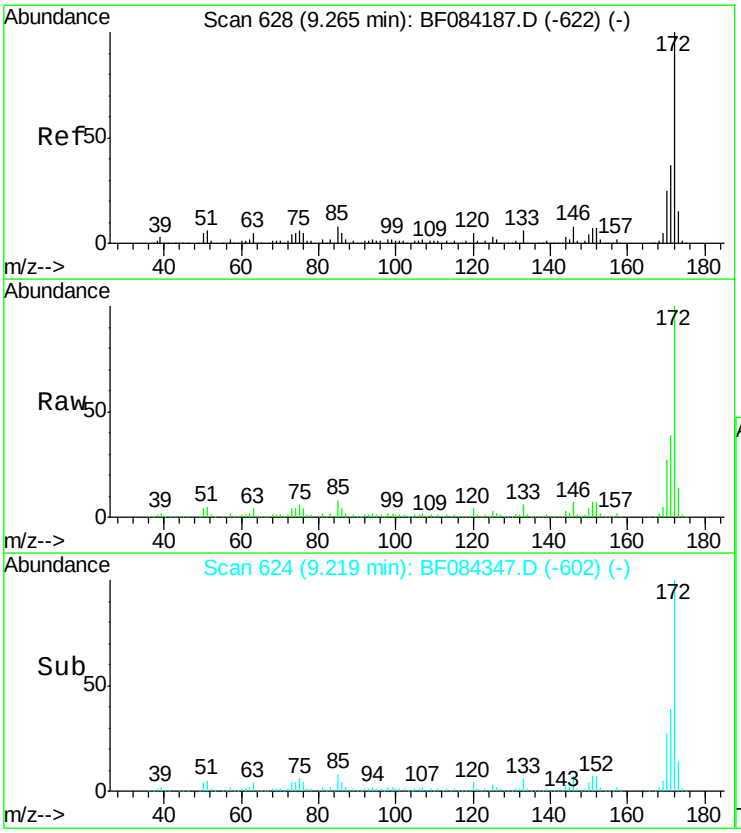

#41
2,4,6-Tribromophenol
Concen: 147.34 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion:330 Resp: 774863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 76.6 | 114.8 |
| 141 | 31.4 | 27.8 | 41.6 |

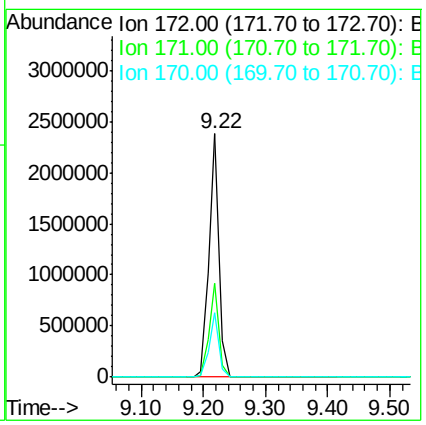


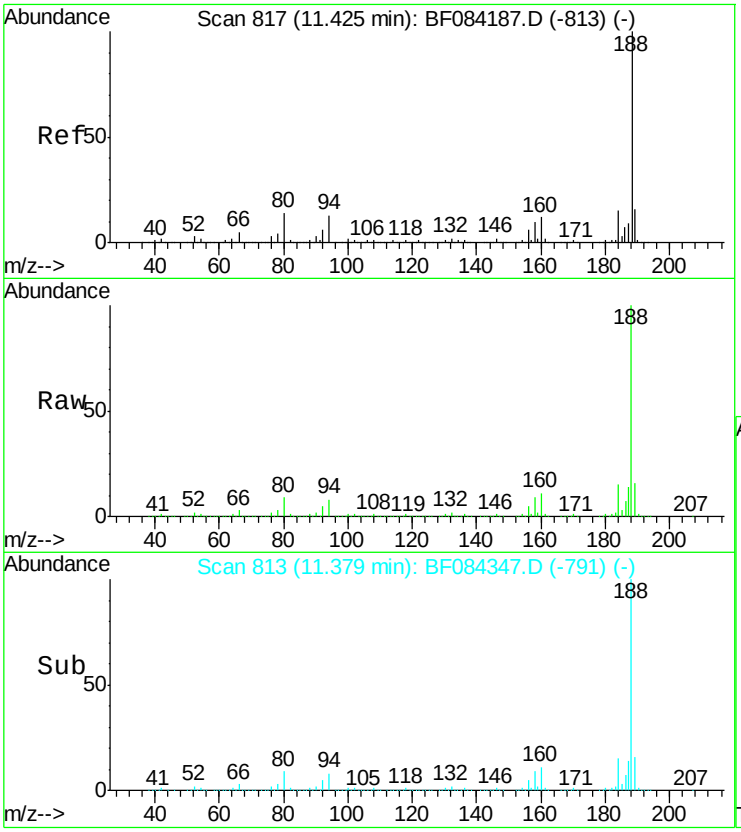




#44
2-Fluorobiphenyl
Concen: 89.62 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:172 Resp: 2643720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.6 | 28.9 | 43.3 |
| 170 | 26.6 | 18.6 | 27.8 |



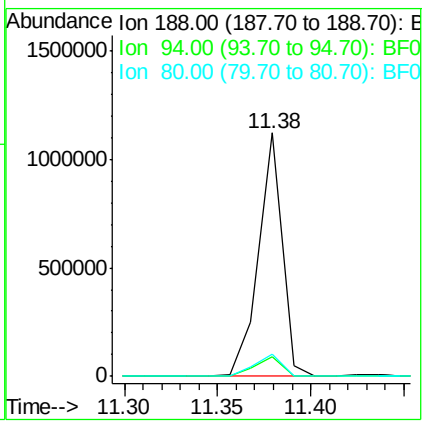


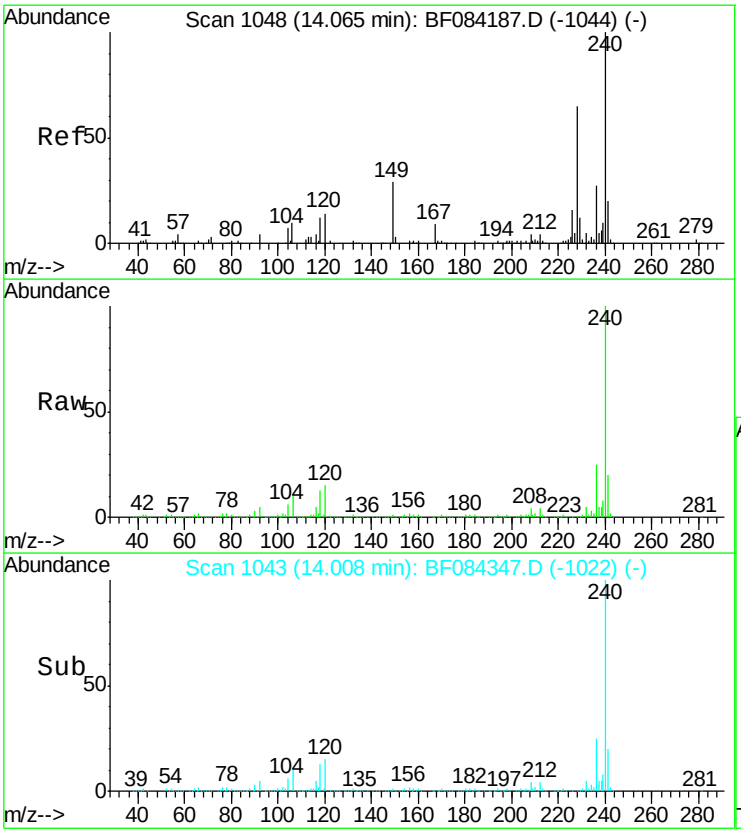

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion:188 Resp: 982370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 9.0 | 13.4# |
| 80 | 9.1 | 9.6 | 14.4# |

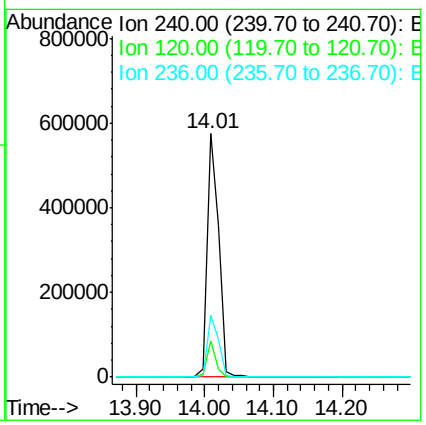


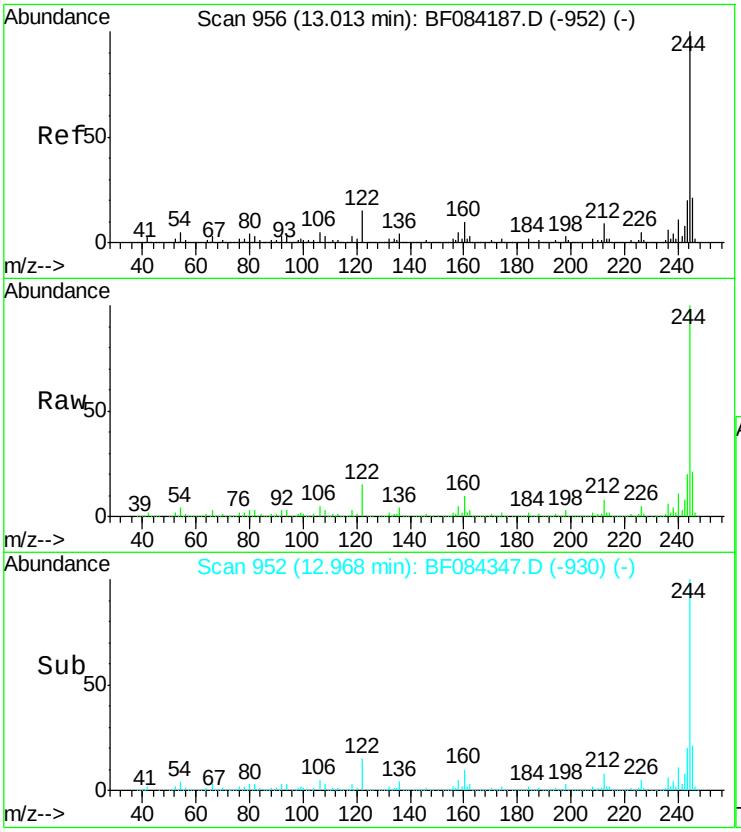




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:240 Resp: 673501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.9 | 9.5 | 14.3# |
| 236 | 25.4 | 20.6 | 31.0 |



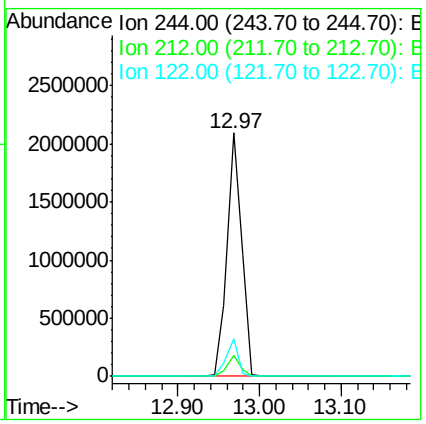


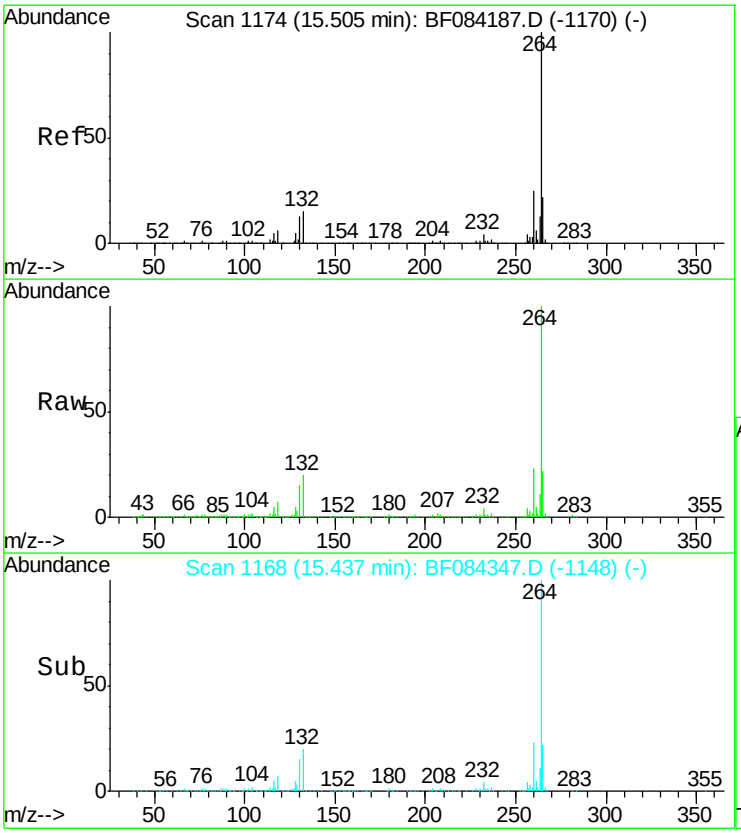

#78
Terphenyl-d14
Concen: 86.44 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.05 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

**Instrument :**
BNA_F
**ClientSampleId :**
WC-DRUM2

Tgt Ion:244 Resp: 2608008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 5.7 | 8.5 |
| 122 | 15.2 | 7.4 | 11.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084347.D
Acq: 9 Jan 2016 1:53

Tgt Ion:264 Resp: 505765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.4 | 29.2 |
| 265 | 21.8 | 17.8 | 26.6 |