Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121615\
Data File : BF083845.D
Acq On : 16 Dec 2015 13:50
Operator : UM/SJ
Sample : G4680-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K202-(18-19)

Quant Time: Dec 17 03:21:46 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 86875 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.18 | 136 | 340333 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 174605 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 309565 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 14.04 | 240 | 275324 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.48 | 264 | 195814 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 679565 | 126.19 | ng | | -0.02 |
| 7) Phenol-d6 | 6.53 | 99 | 1014667 | 148.79 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 601567 | 98.89 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 253436 | 142.44 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 1093523 | 95.34 | ng | | -0.03 |
| 78) Terphenyl-d14 | 13.00 | 244 | 1103779 | 86.24 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.66 | 77 | 15684 | 4.28 | ng | | 97 |
| 15) Benzyl Alcohol | 7.05 | 79 | 10330 | 2.06 | ng | # | 51 |
| 19) n-Nitroso-di-n-propylamine | 7.45 | 70 | 78759 | 18.86 | ng | # | 72 |
| 25) Isophorone | 7.46 | 82 | 548918 | 45.99 | ng | # | 69 |
| 49) Dimethylphthalate | 9.64 | 163 | 318186 | 23.37 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 22222 | 5.89 | ng | # | 12 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 18545 | 5.36 | ng | # | 1 |

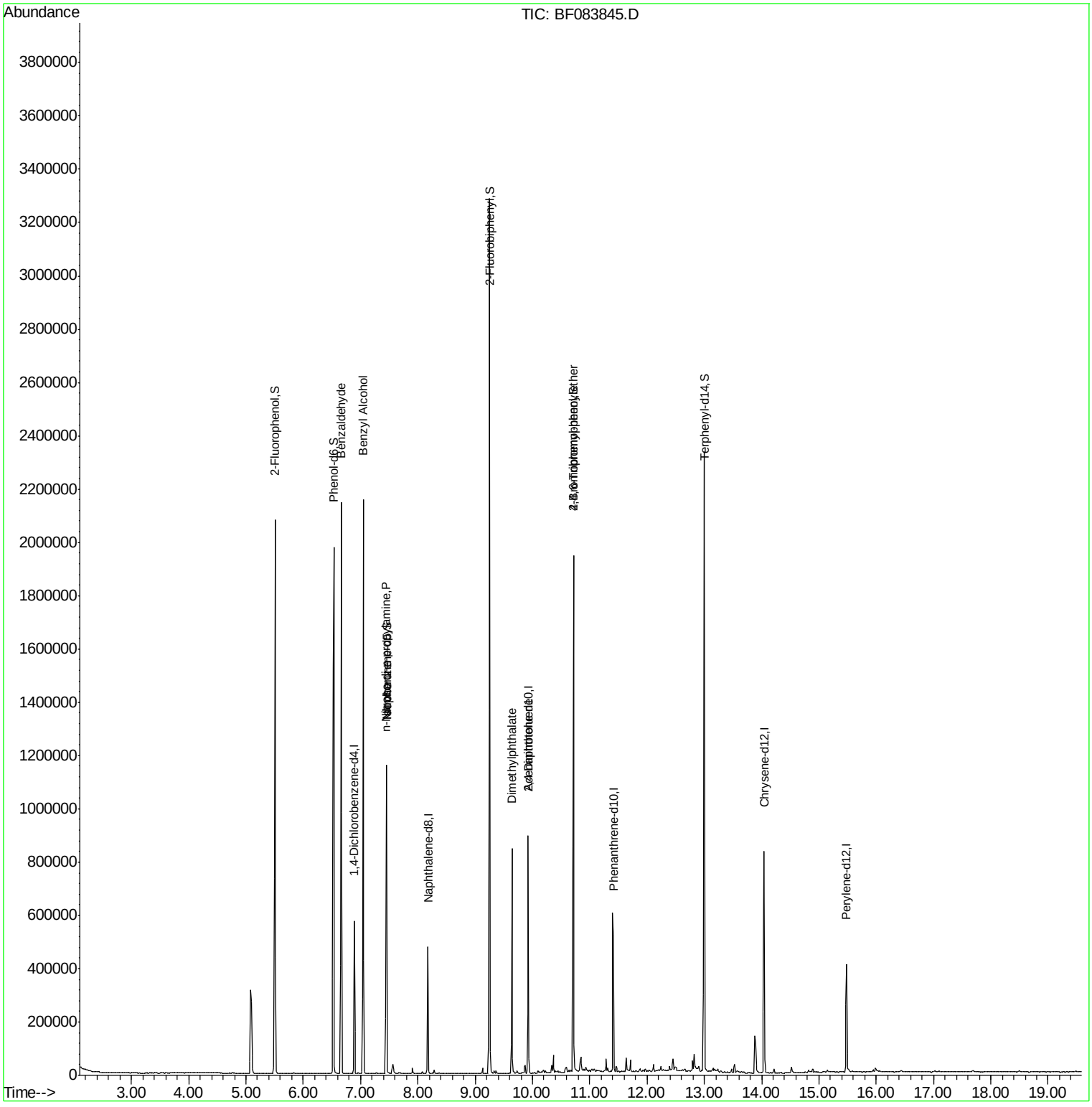
(#) = qualifier out of range (m) = manual integration (+) = signals summed

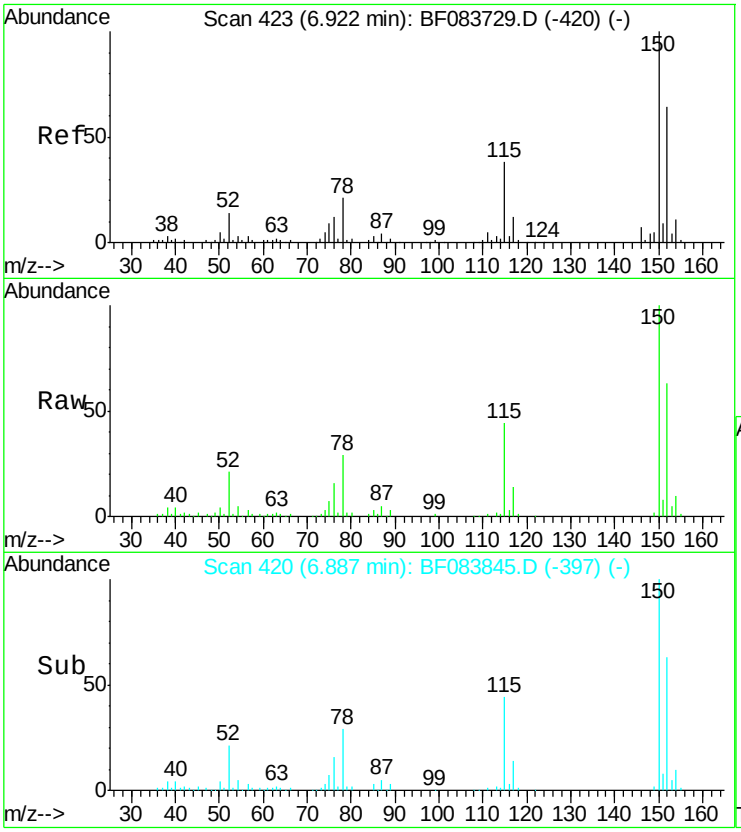
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121615\
Data File : BF083845.D
Acq On : 16 Dec 2015 13:50
Operator : UM/SJ
Sample : G4680-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Quant Time: Dec 17 03:21:46 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 2015
Response via : Initial Calibration



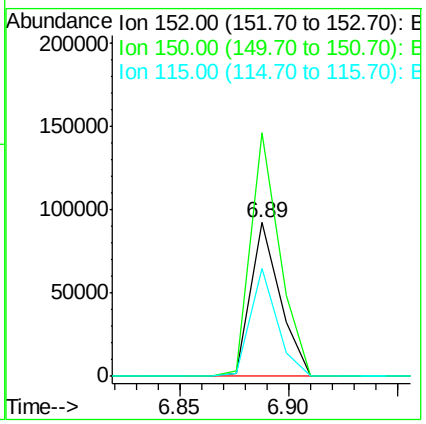


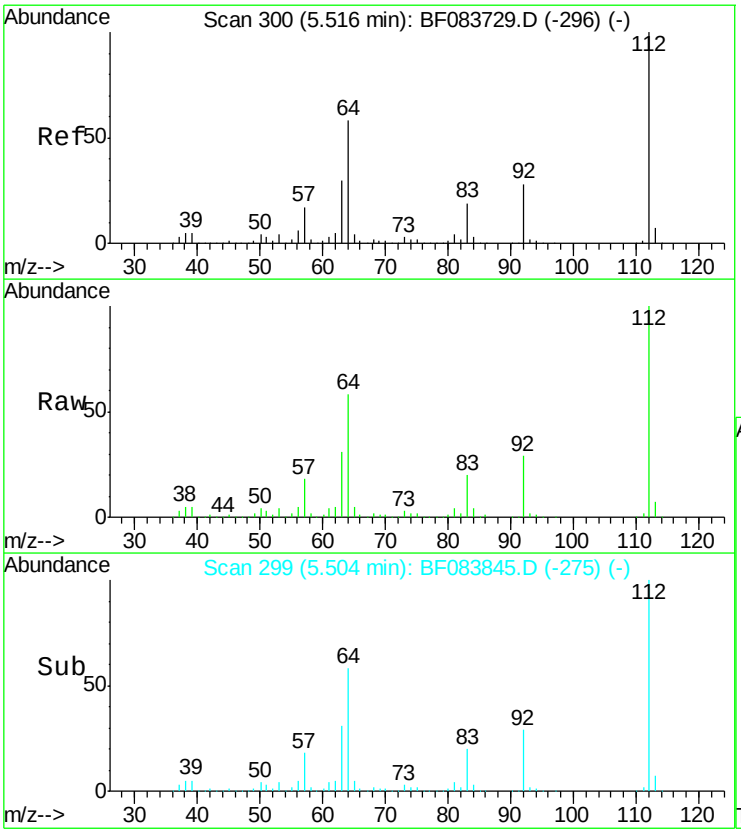

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:152 Resp: 86875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.2 | 126.5 | 189.7 |
| 115 | 70.2 | 52.3 | 78.5 |

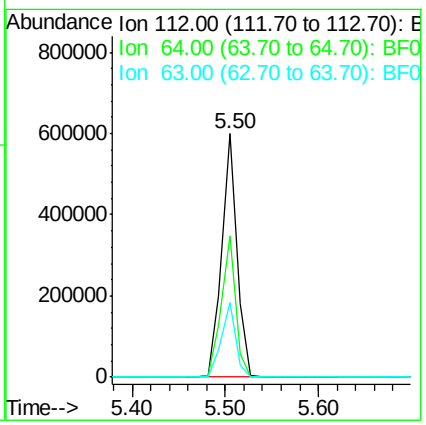


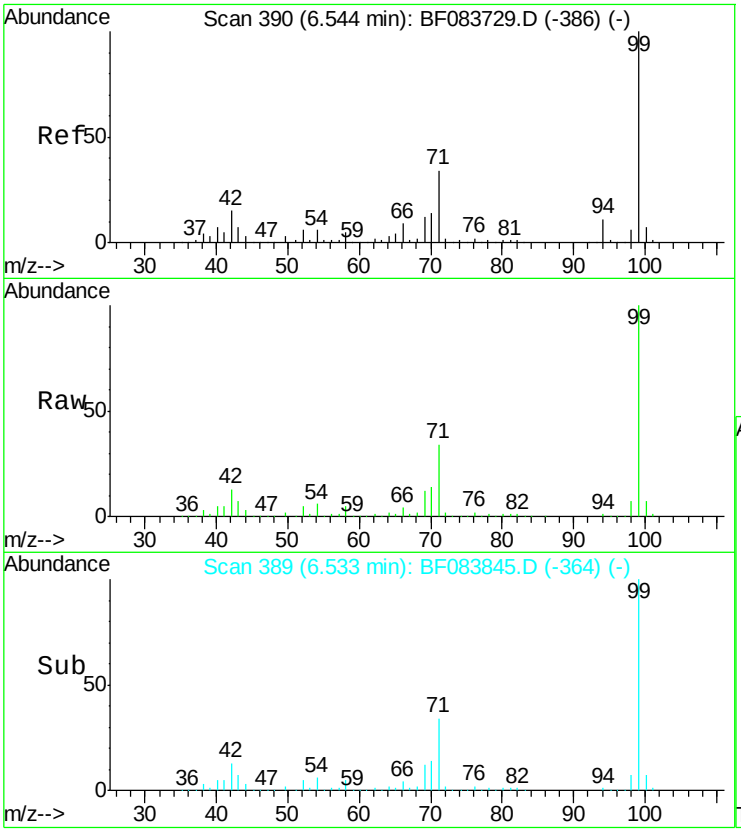




#5
2-Fluorophenol
Concen: 126.19 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.02 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:112 Resp: 679565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 50.5 | 75.7 |
| 63 | 30.7 | 25.8 | 38.6 |



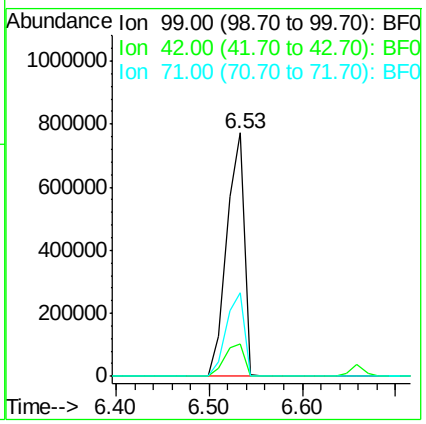


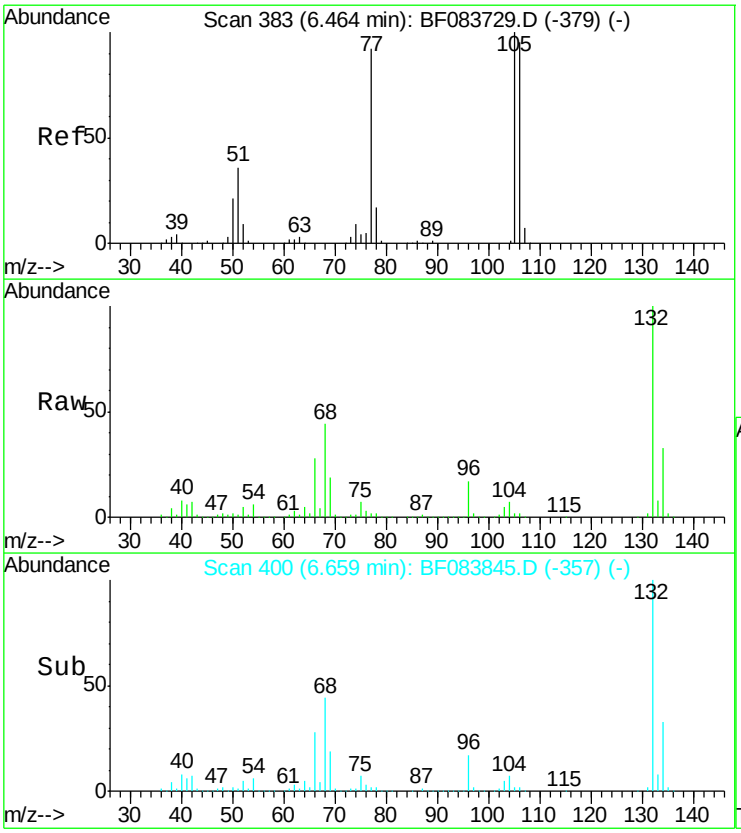

#7
Phenol-d6
Concen: 148.79 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion: 99 Resp: 1014667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 17.3 | 25.9# |
| 71 | 34.4 | 26.6 | 40.0 |

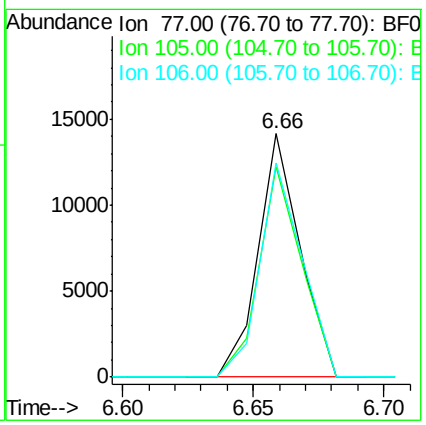


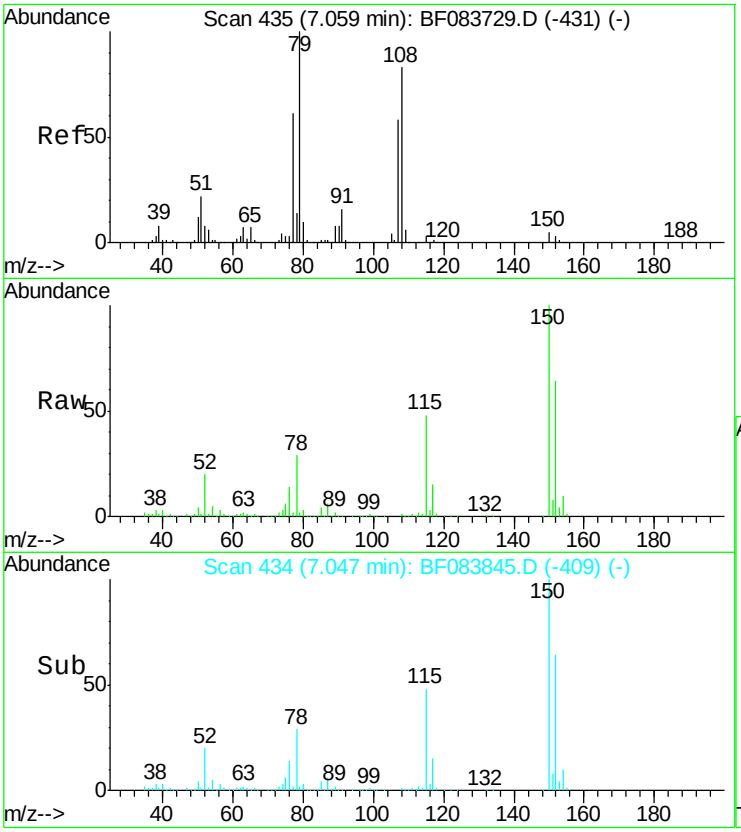




#9
Benzaldehyde
Concen: 4.28 ng
RT: 6.66 min Scan# 400
Delta R.T. 0.19 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion: 77 Resp: 15684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 86.4 | 71.8 | 111.8 |
| 106 | 87.7 | 66.8 | 106.8 |



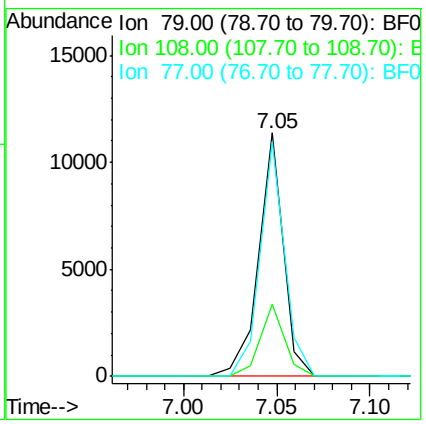


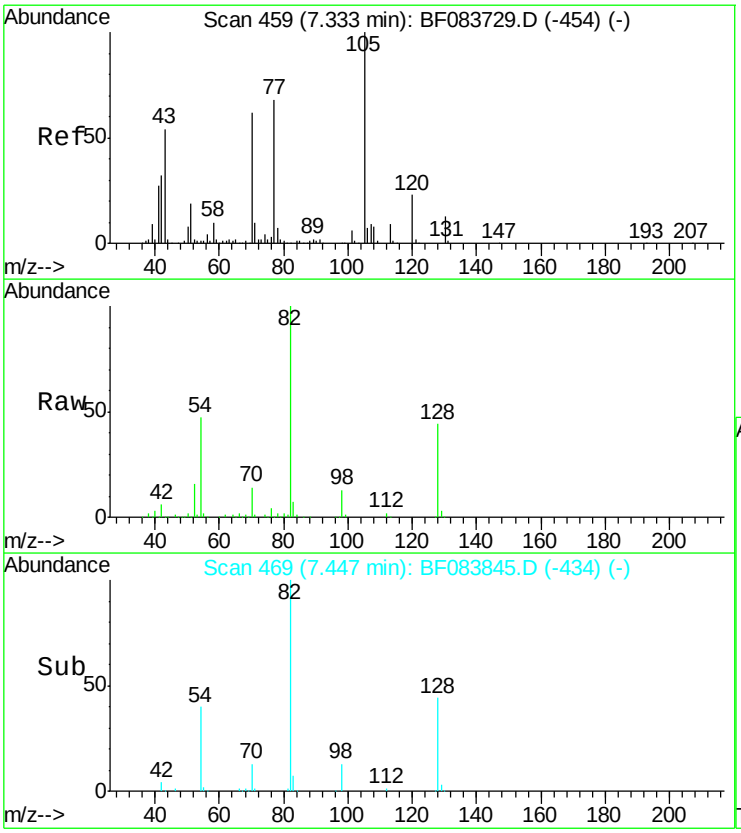

#15
Benzyl Alcohol
Concen: 2.06 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion: 79 Resp: 10330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 29.6 | 59.6 | 89.4# |
| 77 | 96.2 | 49.8 | 74.6# |

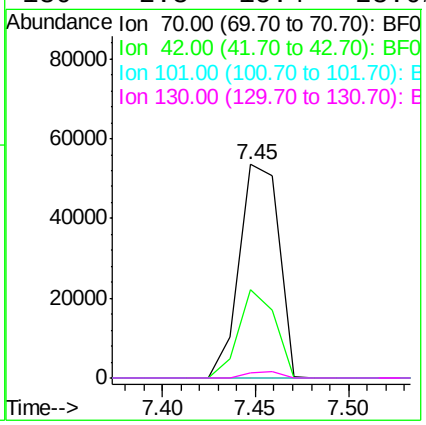


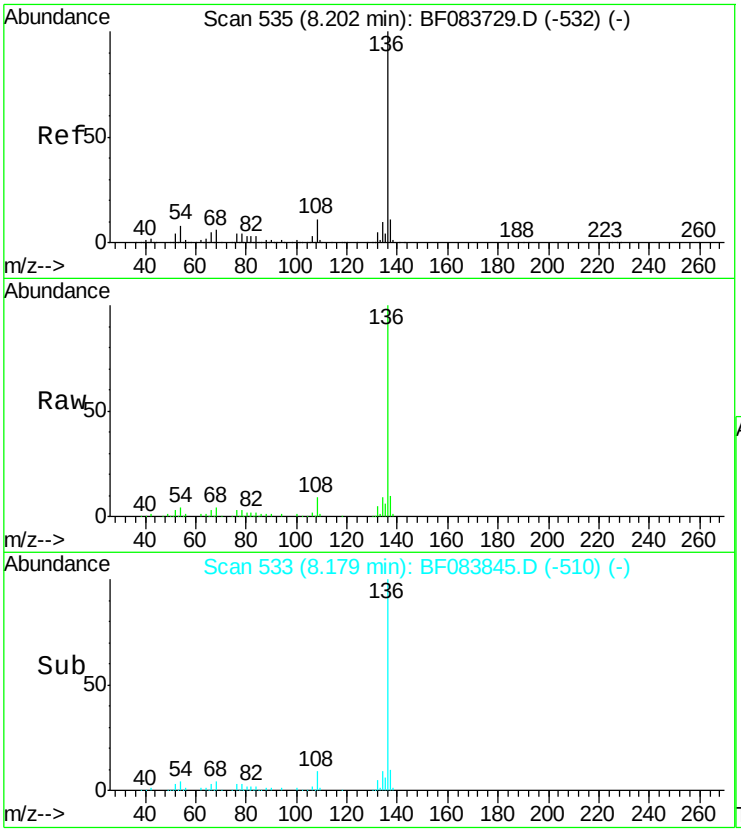




#19
n-Nitroso-di-n-propylamine
Concen: 18.86 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.10 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion: 70 Resp: 78759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.6 | 49.2 | 73.8# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.3 | 15.4 | 23.0# |



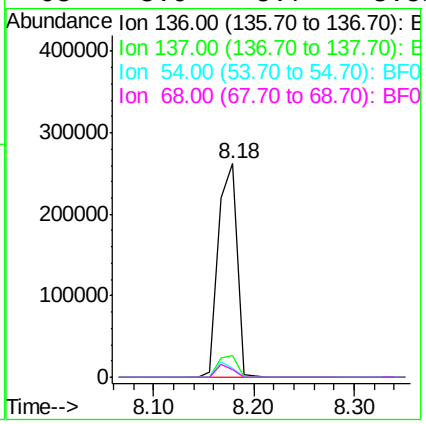


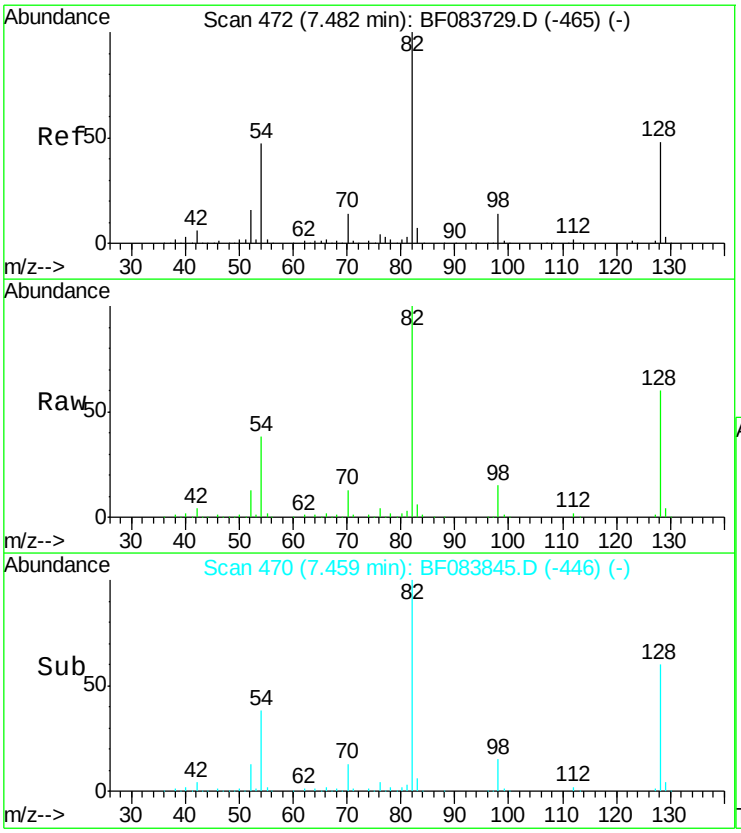

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:136 Resp: 340333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.7 | 13.1 |
| 54 | 4.3 | 7.8 | 11.6# |
| 68 | 3.9 | 5.7 | 8.5# |

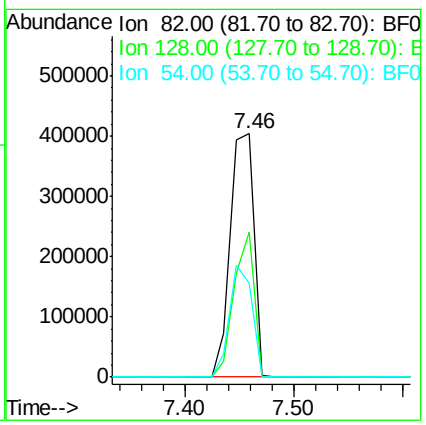


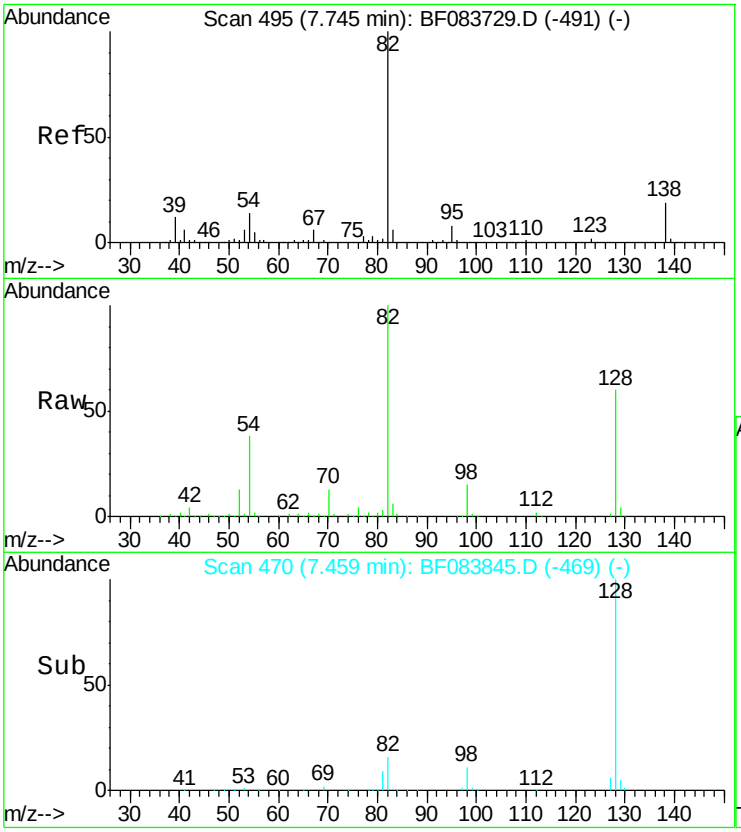




#23
Nitrobenzene-d5
Concen: 98.89 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion: 82 Resp: 601567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 59.6 | 30.7 | 46.1# |
| 54 | 38.3 | 42.5 | 63.7# |



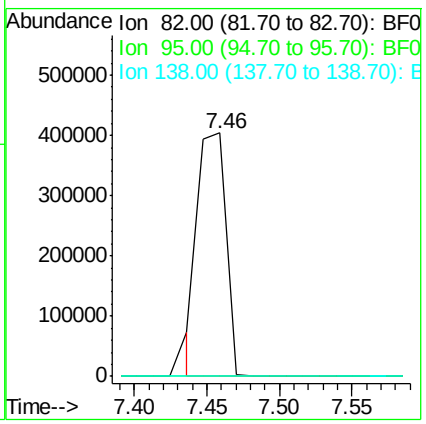


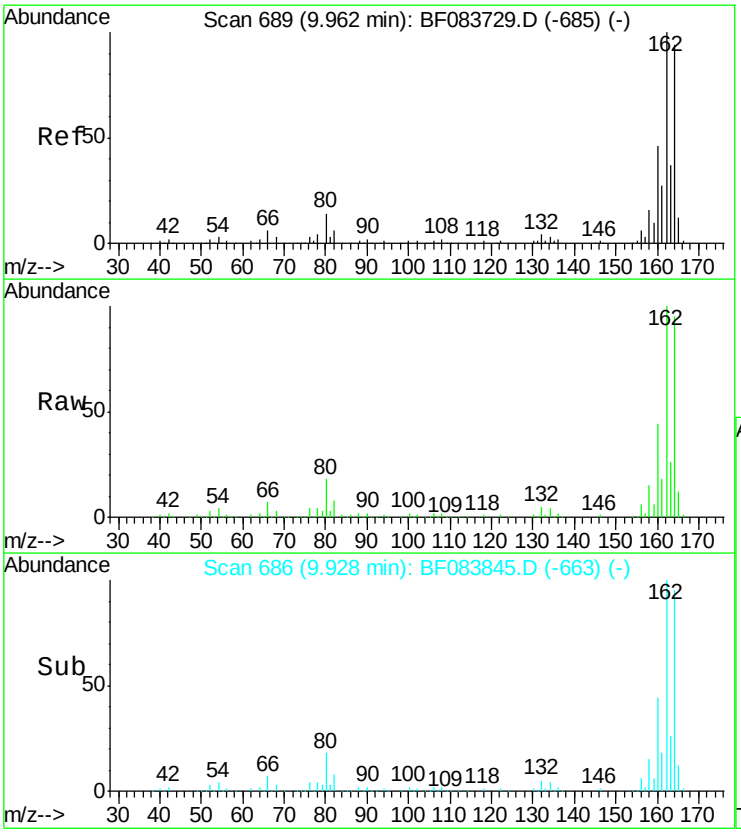

#25
Isophorone
Concen: 45.99 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.29 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion: 82 Resp: 548918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.0 | 7.4# |
| 138 | 0.0 | 12.1 | 18.1# |

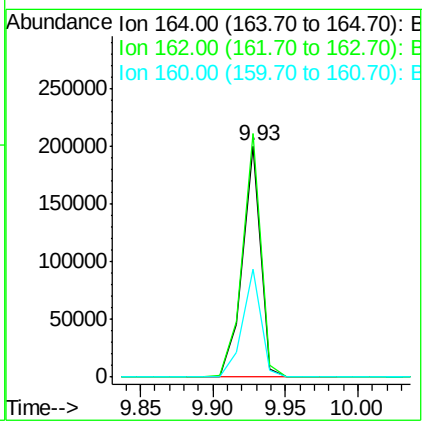


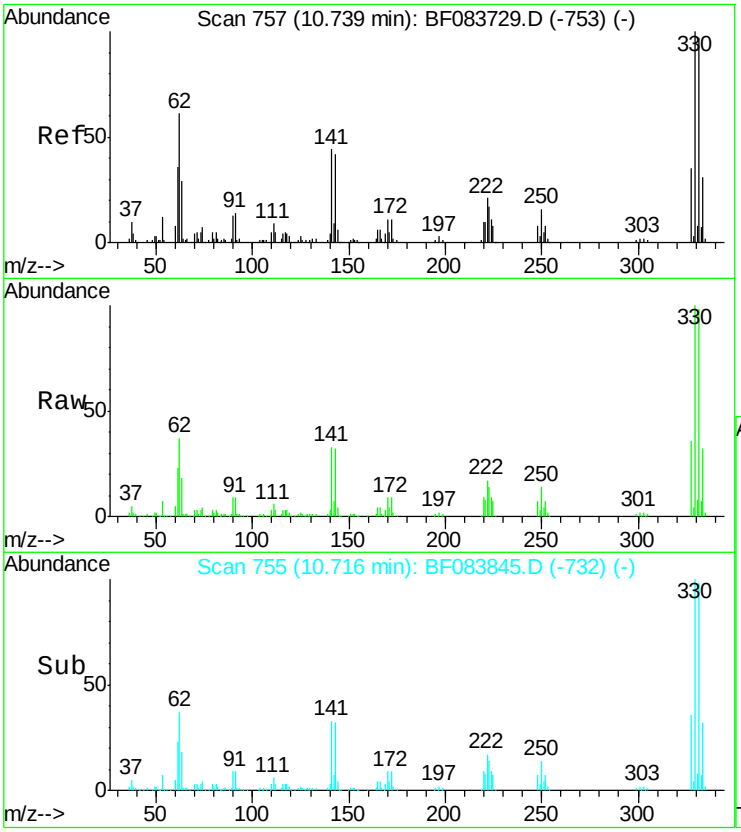




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:164 Resp: 174605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.3 | 78.8 | 118.2 |
| 160 | 46.4 | 33.4 | 50.2 |



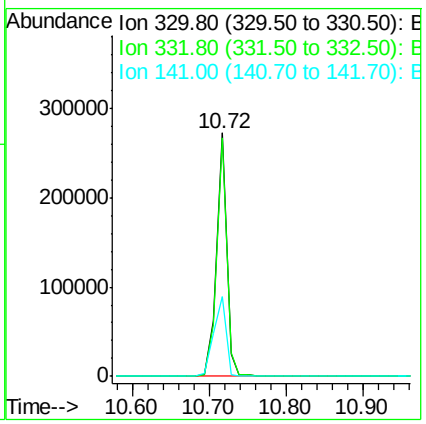


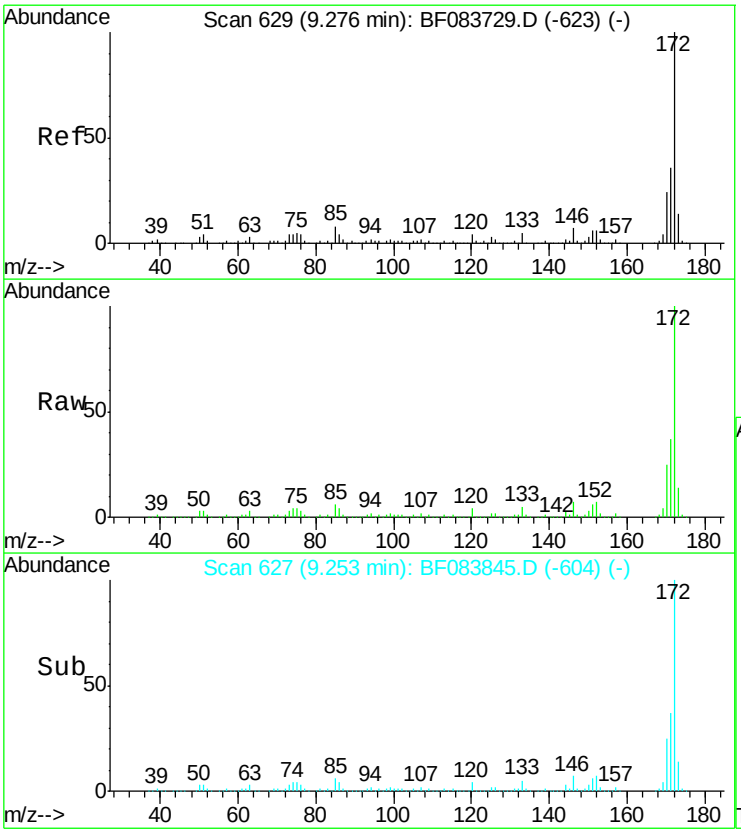

#41
2,4,6-Tribromophenol
Concen: 142.44 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:330 Resp: 253436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 0.0 | 0.0# |
| 141 | 38.8 | 0.0 | 0.0# |

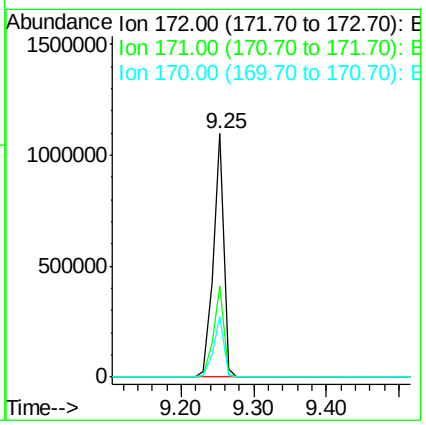


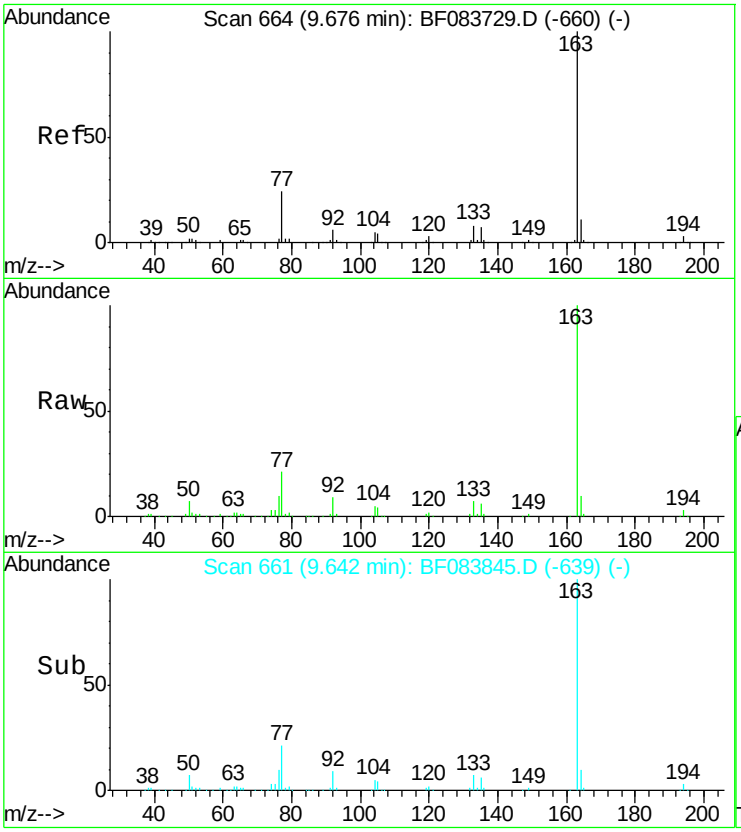




#44
2-Fluorobiphenyl
Concen: 95.34 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:172 Resp: 1093523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 28.6 | 42.8 |
| 170 | 24.9 | 19.4 | 29.0 |



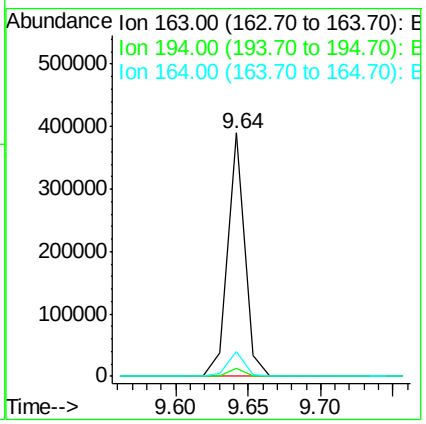


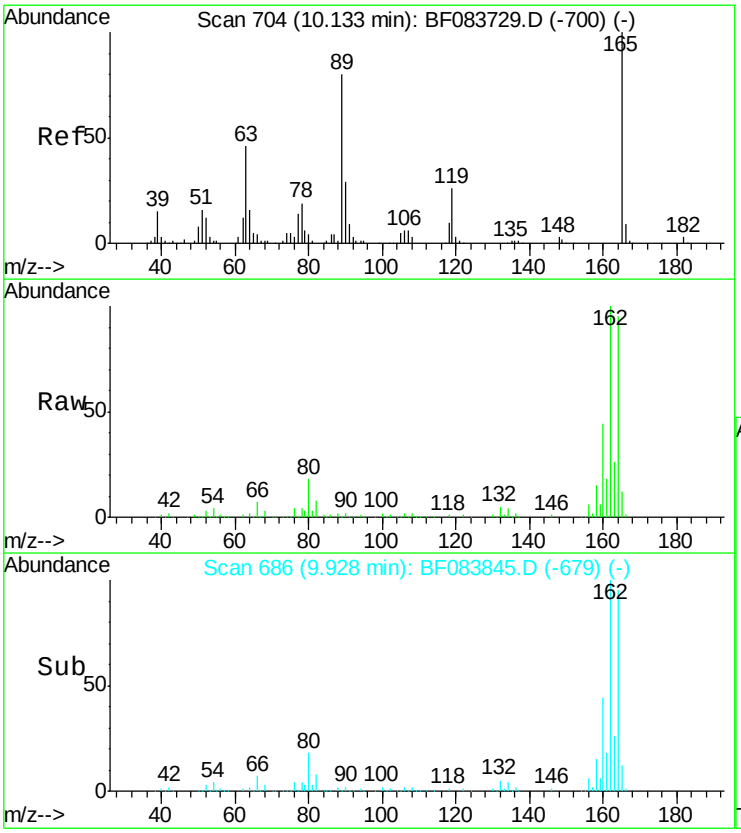

#49
Dimethylphthalate
Concen: 23.37 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.05 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:163 Resp: 318186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.8 | 4.2 |
| 164 | 10.4 | 8.6 | 13.0 |

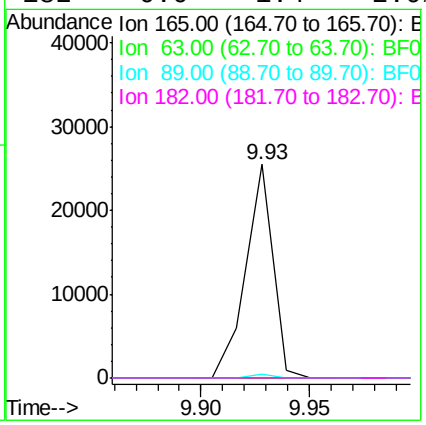


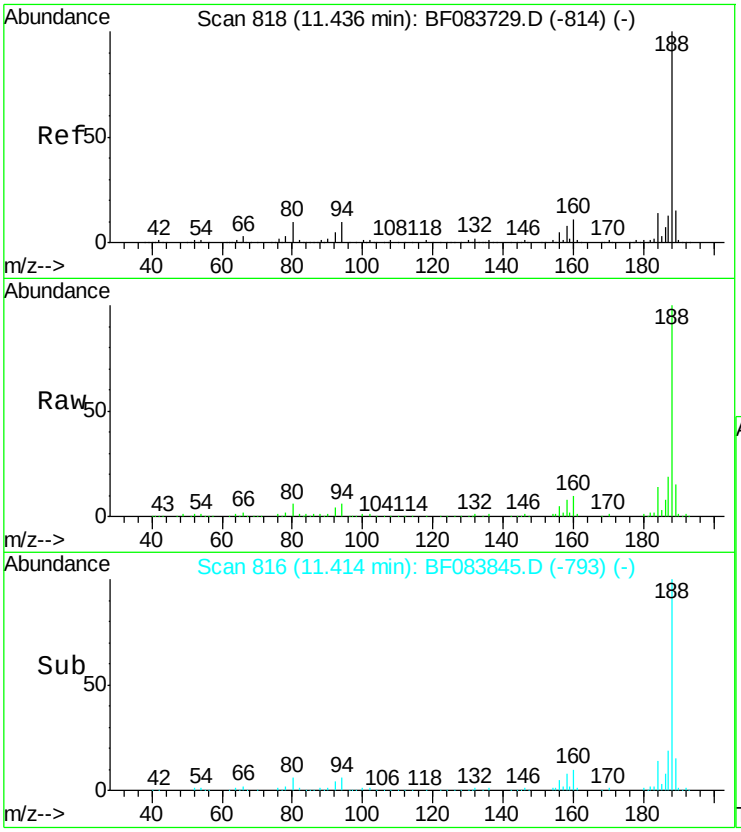




#56
2,4-Dinitrotoluene
Concen: 5.89 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.22 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:165 Resp: 22222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 51.4 | 77.2# |
| 89 | 1.6 | 72.6 | 108.8# |
| 182 | 0.0 | 1.4 | 2.0# |



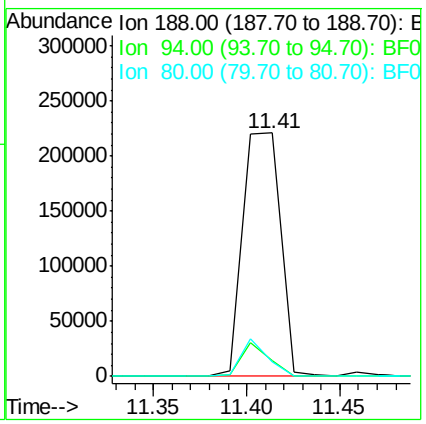


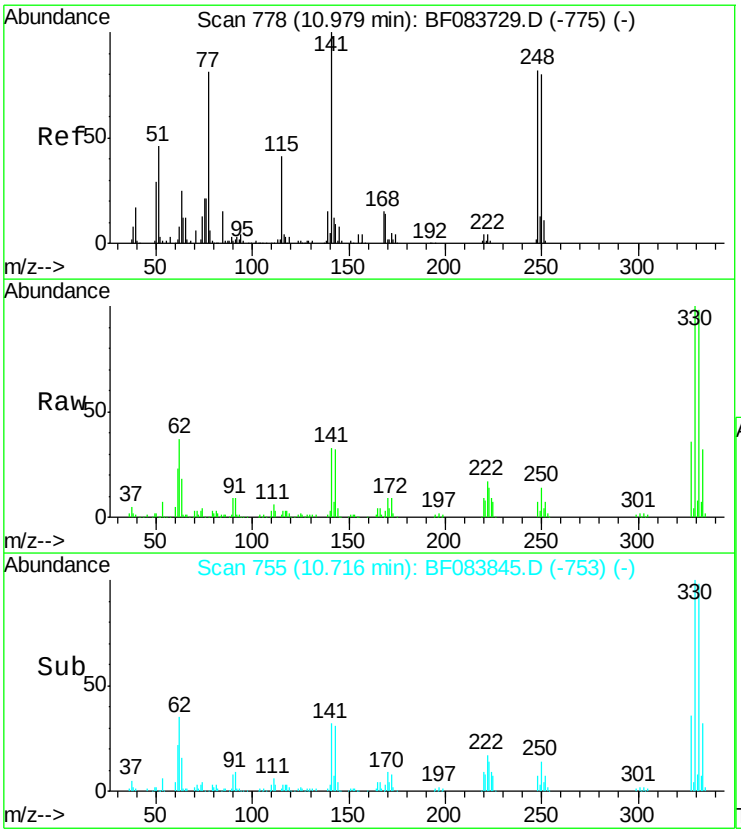

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:188 Resp: 309565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.3 | 9.4 | 14.2# |
| 80 | 6.0 | 10.6 | 16.0# |

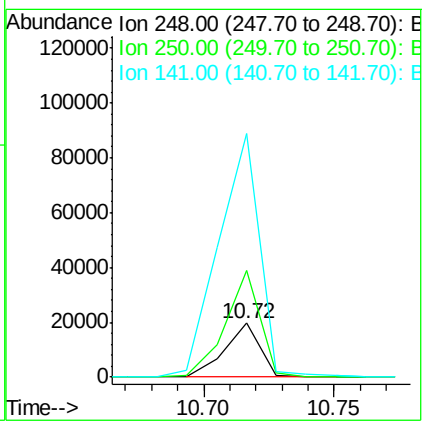


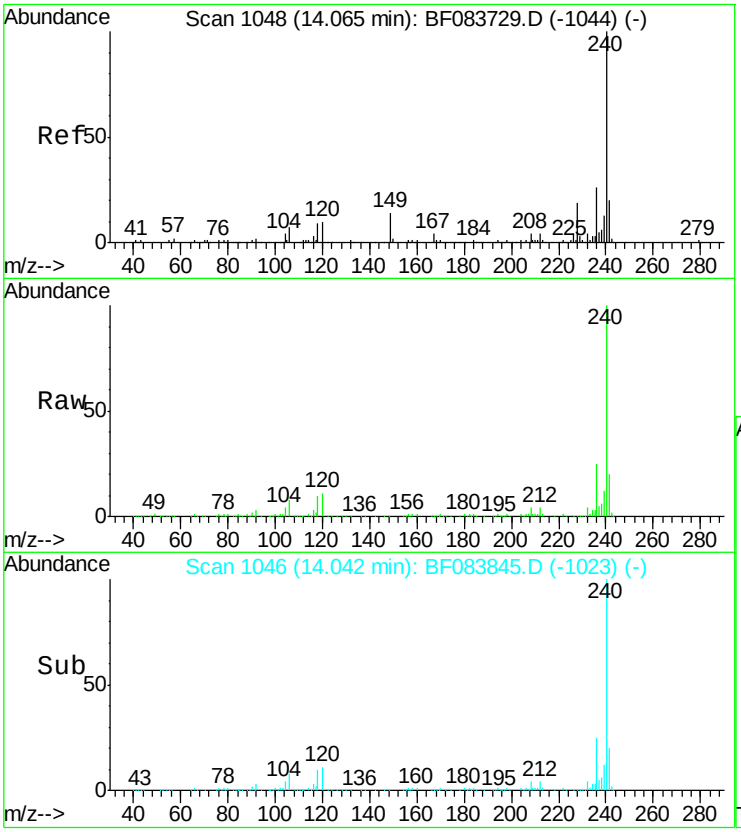




#66
4-Bromophenyl-phenylether
Concen: 5.36 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.27 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:248 Resp: 18545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.6 | 79.2 | 118.8# |
| 141 | 451.8 | 58.2 | 87.4# |



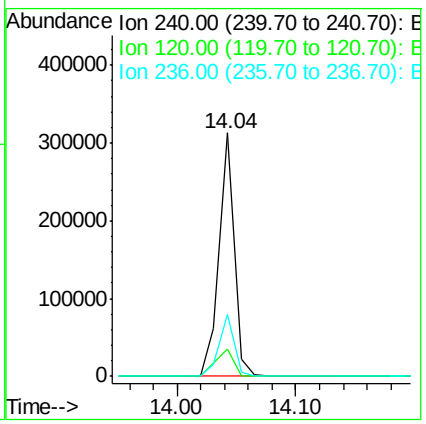


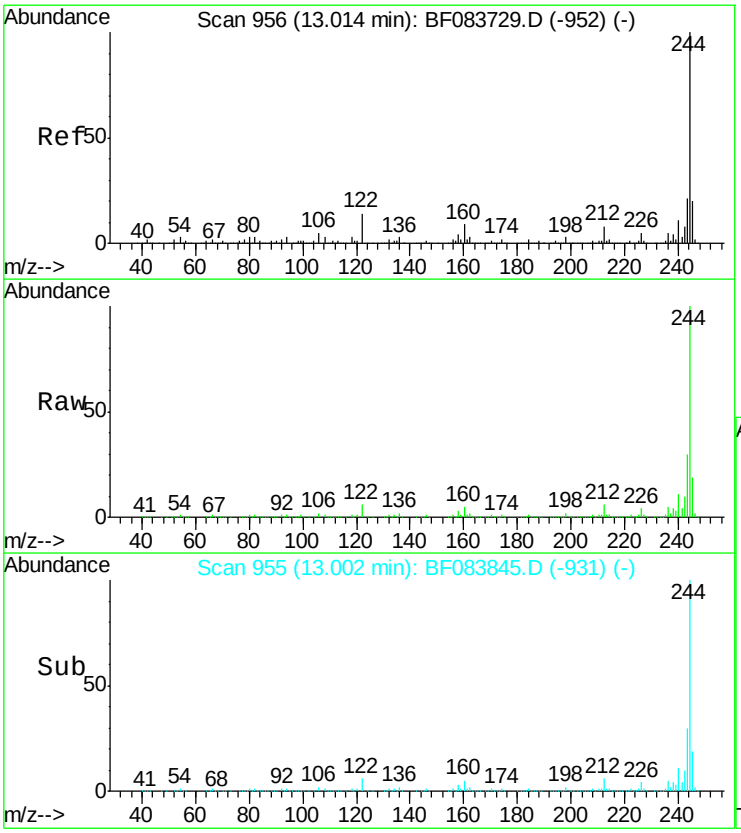

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:240 Resp: 275324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 8.1 | 12.1 |
| 236 | 25.5 | 20.8 | 31.2 |

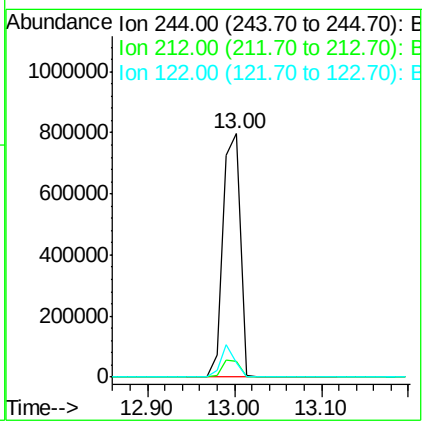


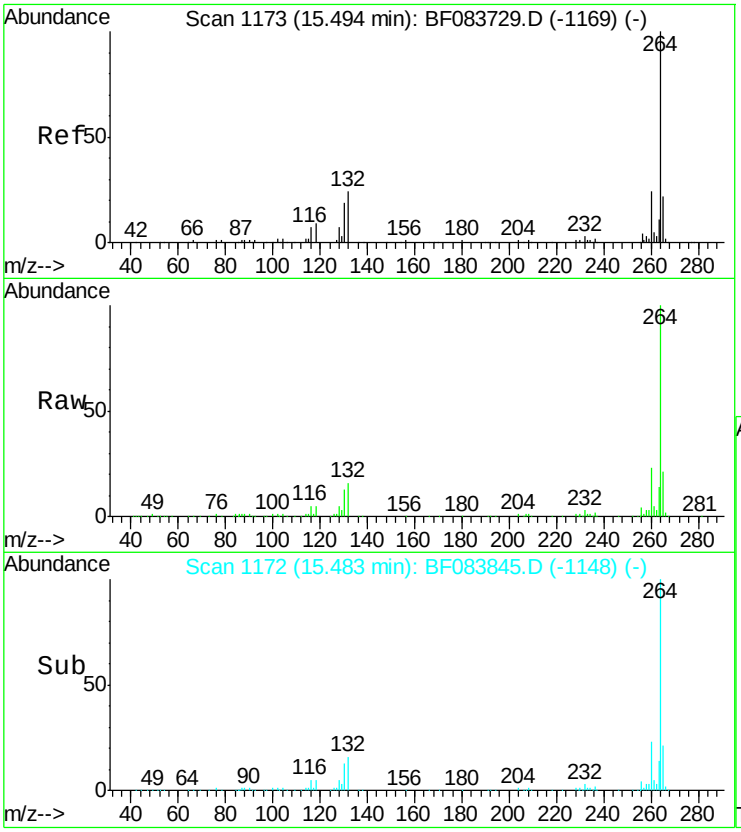




#78
Terphenyl-d14
Concen: 86.24 ng
RT: 13.00 min Scan# 955
Delta R.T. -0.02 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

Tgt Ion:244 Resp: 1103779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 6.1 | 9.1 |
| 122 | 6.1 | 11.0 | 16.6# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083845.D
Acq: 16 Dec 2015 13:50

**Instrument :**
BNA_F
**ClientSampleId :**
K202-(18-19)

Tgt Ion:264 Resp: 195814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.4 | 29.0 |
| 265 | 21.0 | 17.8 | 26.6 |