Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
Data File : BF080985.D
Acq On : 13 Aug 2015 17:32
Operator : UM/IZ
Sample : G3238-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S-A(2)

Quant Time: Aug 14 07:13:35 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 34425 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 8.04 | 136 | 161777 | 20.00 | ng | | -0.06 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 80005 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 149793 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 13.88 | 240 | 49014 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 15.27 | 264 | 32085 | 20.00 | ng | | -0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 131981 | 62.64 | ng | | -0.05 |
| 7) Phenol-d6 | 6.40 | 99 | 106404 | 36.85 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 254885 | 74.53 | ng | | -0.06 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 88028 | 100.15 | ng | | -0.06 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 519404 | 91.40 | ng | | -0.06 |
| 78) Terphenyl-d14 | 12.85 | 244 | 296241 | 124.84 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 8.06 | 128 | 737037 | 82.65 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 501457 | 88.34 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 49163 | 7.16 | ng | | 95 |
| 49) Dimethylphthalate | 9.50 | 163 | 27073 | 4.07 | ng | # | 94 |
| 51) Acenaphthene | 9.81 | 154 | 24468 | 4.29 | ng | | 97 |
| 57) Fluorene | 10.33 | 166 | 38301 | 6.42 | ng | # | 98 |
| 70) Phenanthrene | 11.29 | 178 | 59737 | 7.04 | ng | | 99 |
| 72) Carbazole | 11.49 | 167 | 193524 | 23.67 | ng | # | 95 |

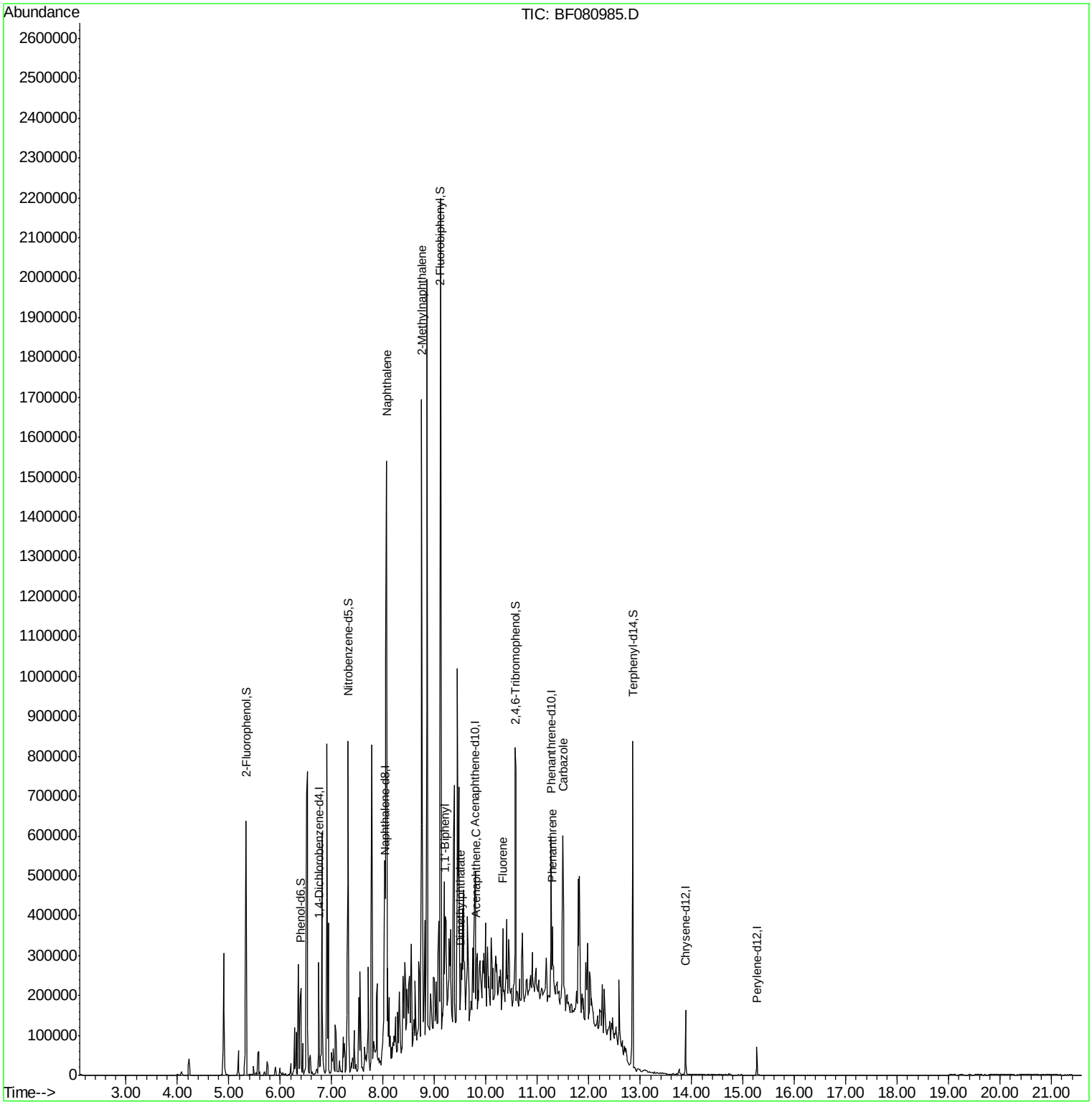
(#) = qualifier out of range (m) = manual integration (+) = signals summed

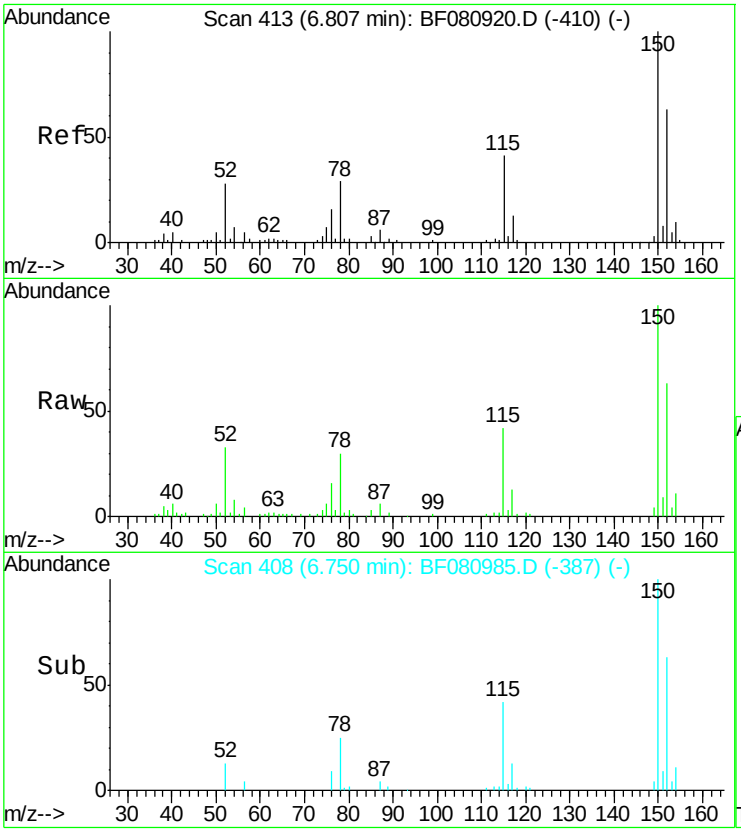
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
Data File : BF080985.D
Acq On : 13 Aug 2015 17:32
Operator : UM/IZ
Sample : G3238-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Quant Time: Aug 14 07:13:35 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration



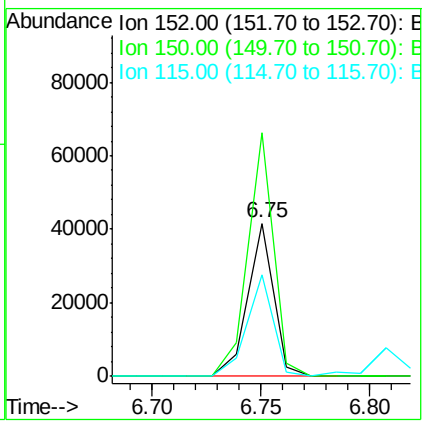


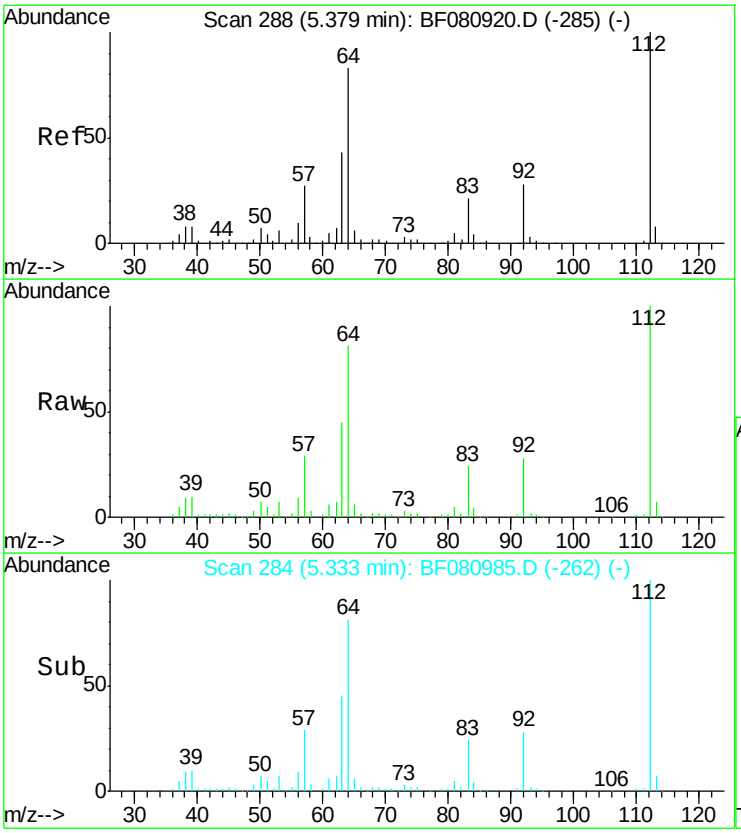

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:152 Resp: 34425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 127.4 | 191.2 |
| 115 | 66.4 | 52.6 | 78.8 |

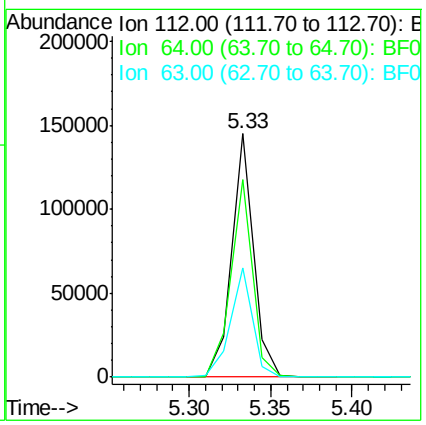


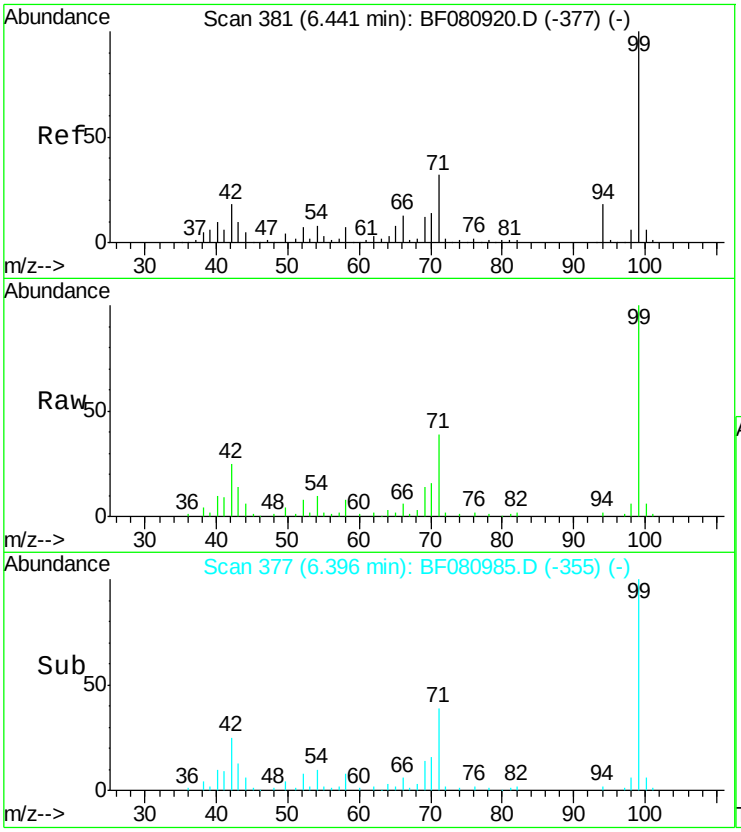




#5
2-Fluorophenol
Concen: 62.64 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:112 Resp: 131981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 81.0 | 66.1 | 99.1 |
| 63 | 44.8 | 34.6 | 52.0 |



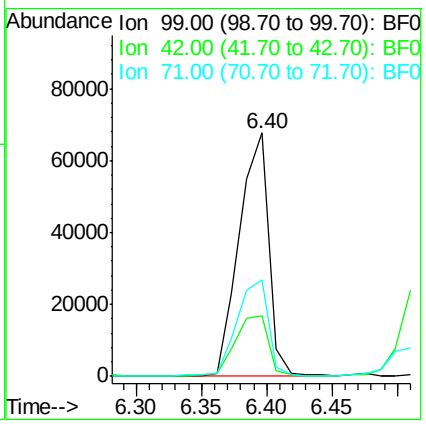


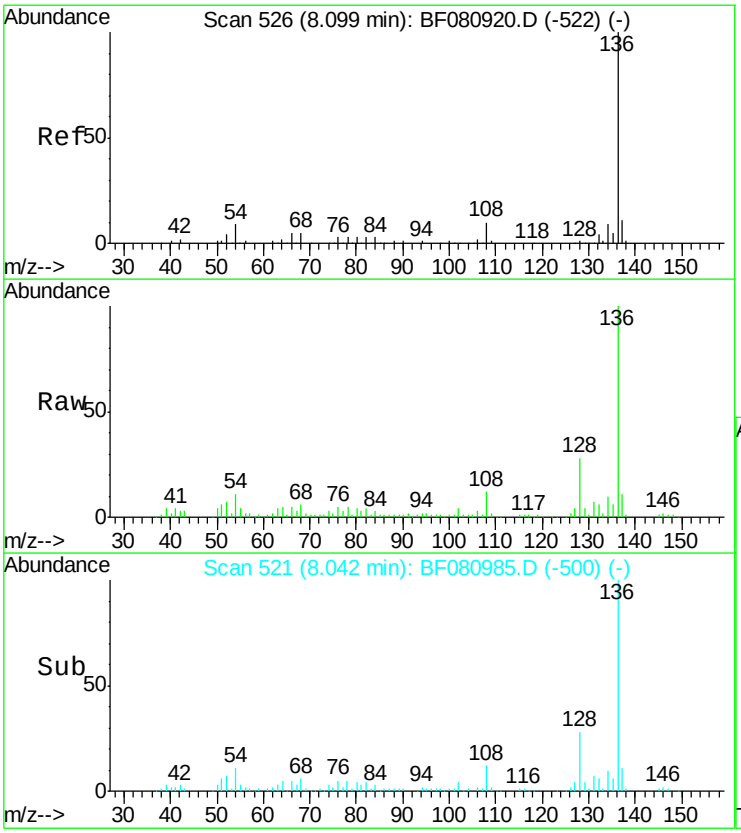

#7
Phenol-d6
Concen: 36.85 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.05 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion: 99 Resp: 106404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.7 | 14.4 | 21.6# |
| 71 | 39.3 | 25.8 | 38.8# |

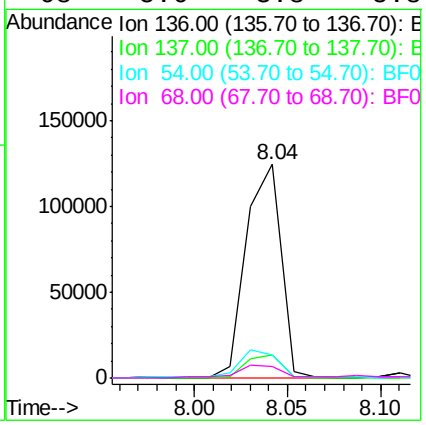


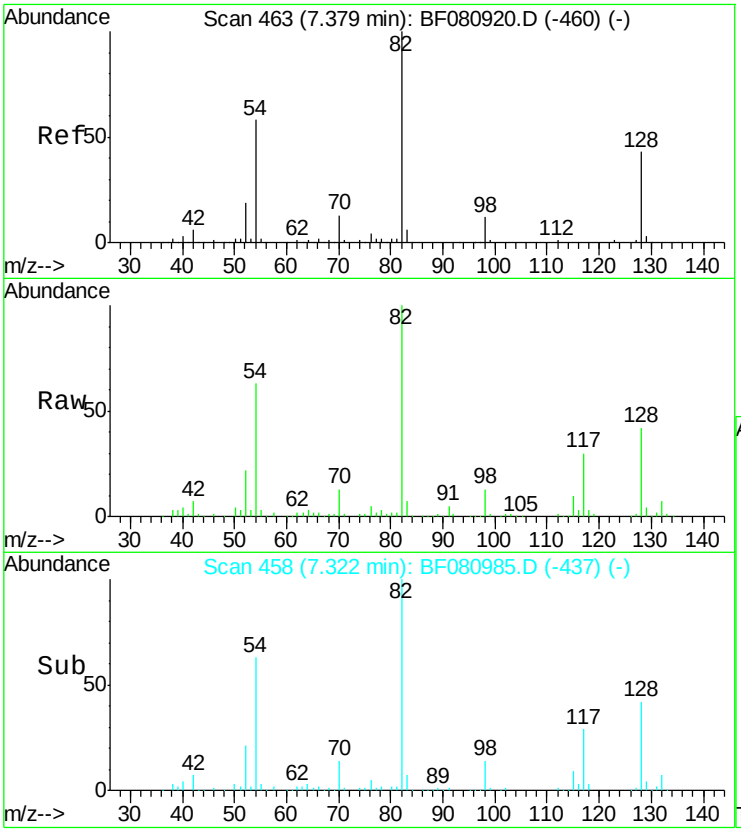




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:136 Resp: 161777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.5 | 12.7 |
| 54 | 11.0 | 7.1 | 10.7# |
| 68 | 5.6 | 3.8 | 5.8 |



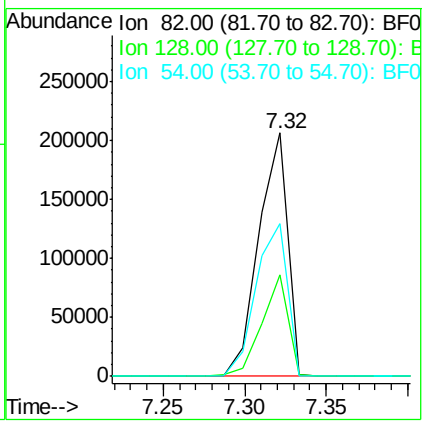


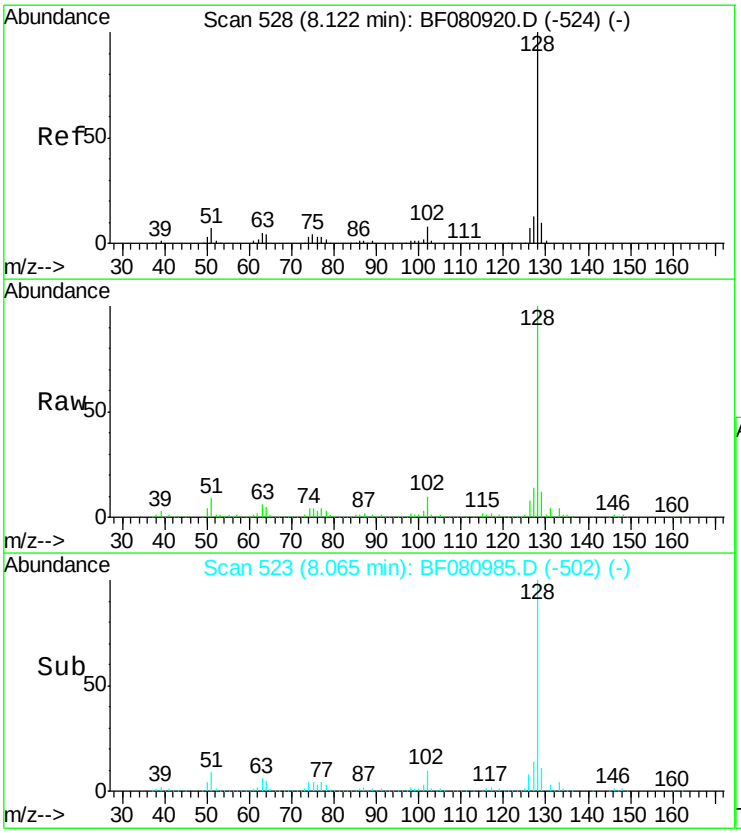

#23
Nitrobenzene-d5
Concen: 74.53 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion: 82 Resp: 254885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 34.1 | 51.1 |
| 54 | 62.7 | 46.5 | 69.7 |

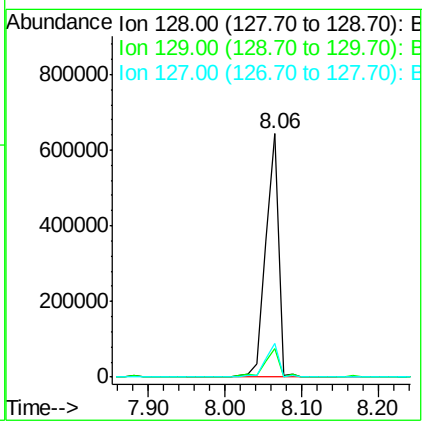


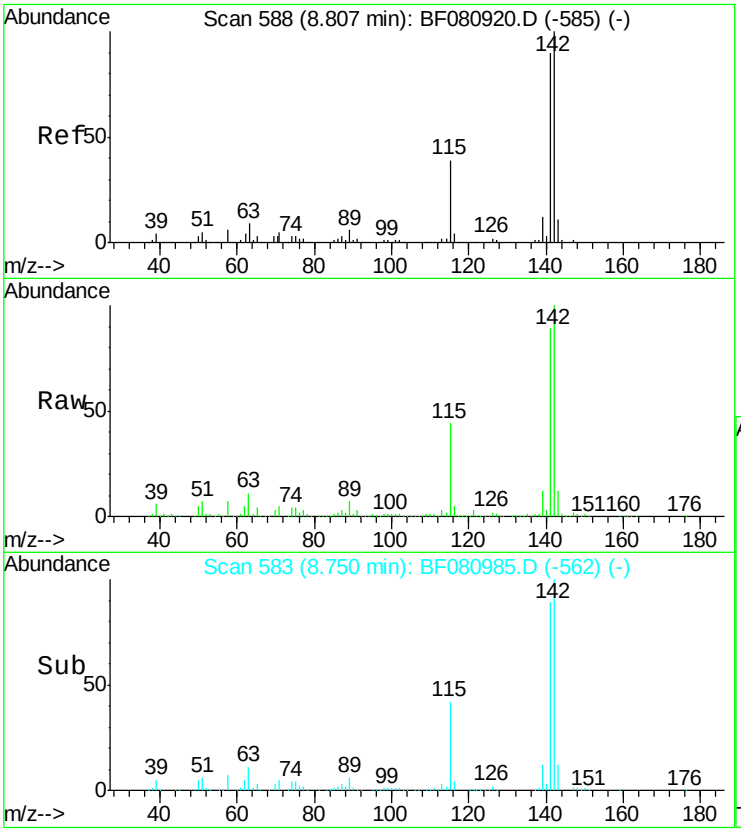




#31
Naphthalene
Concen: 82.65 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:128 Resp: 737037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.4 | 12.6 |
| 127 | 13.8 | 10.5 | 15.7 |



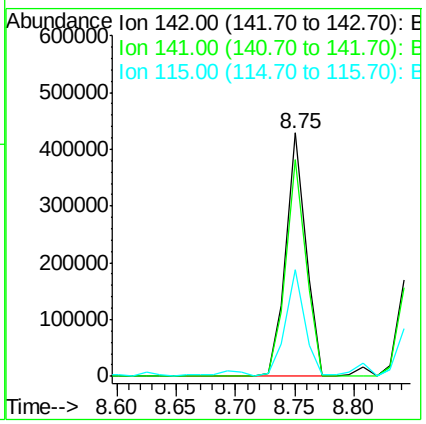


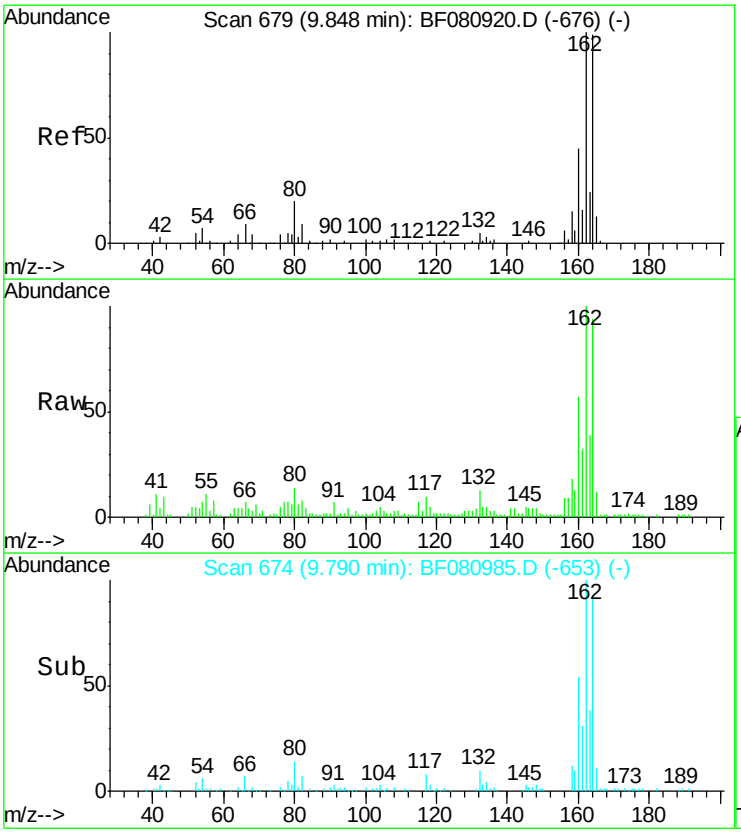

#37
2-Methylnaphthalene
Concen: 88.34 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:142 Resp: 501457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.7 | 107.5 |
| 115 | 43.6 | 30.9 | 46.3 |

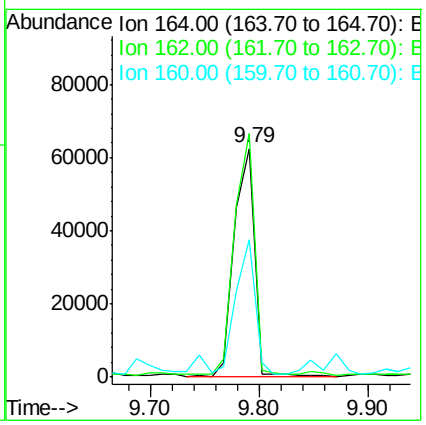


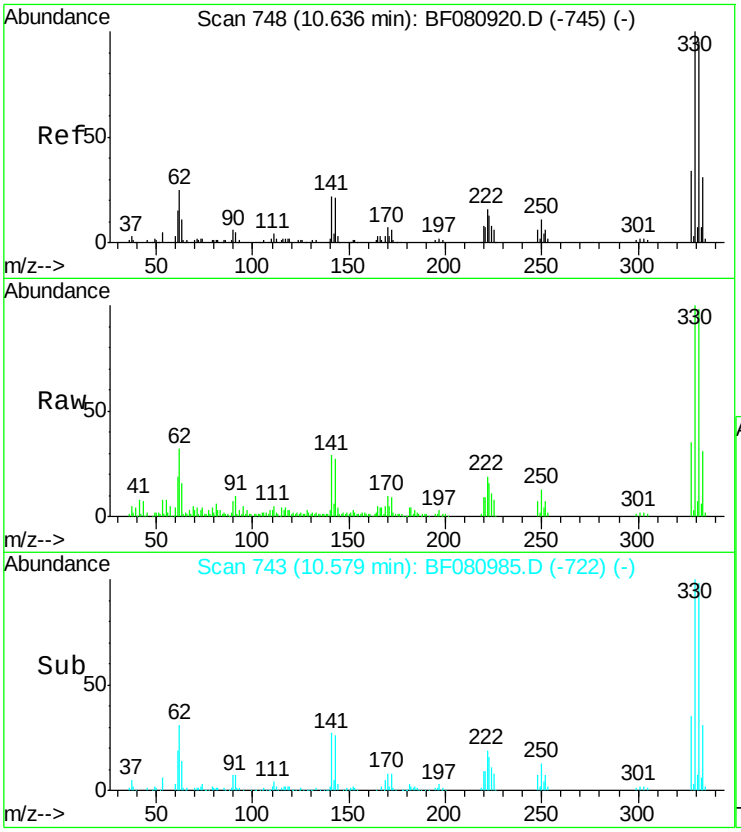




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:164 Resp: 80005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 80.5 | 120.7 |
| 160 | 60.2 | 36.6 | 54.8# |



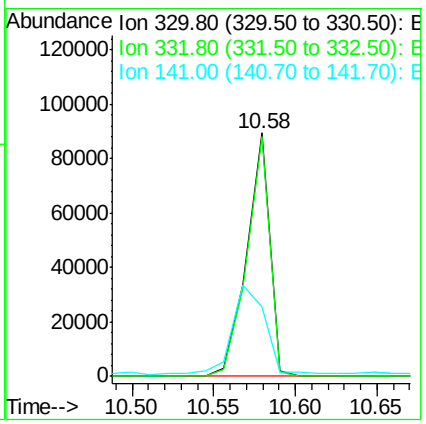


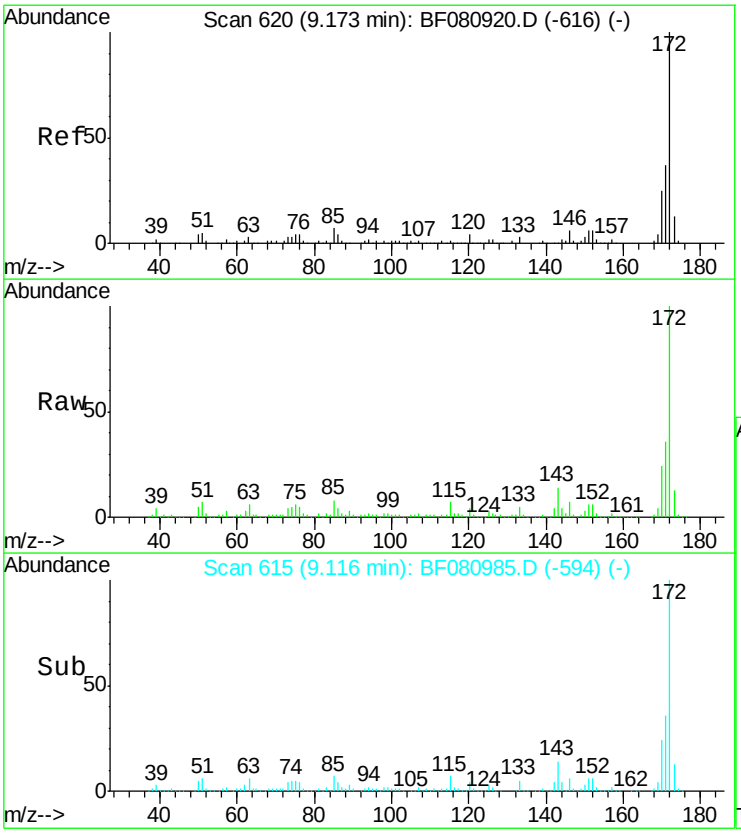

#41
2,4,6-Tribromophenol
Concen: 100.15 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:330 Resp: 88028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 76.2 | 114.4 |
| 141 | 51.3 | 27.8 | 41.8# |

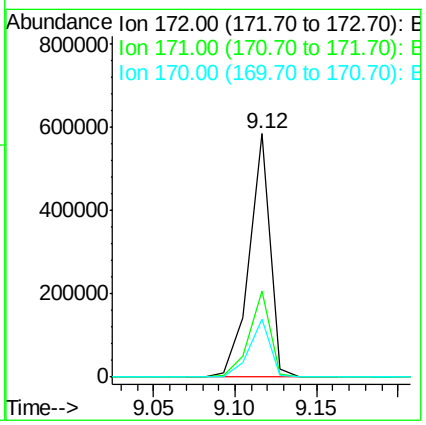


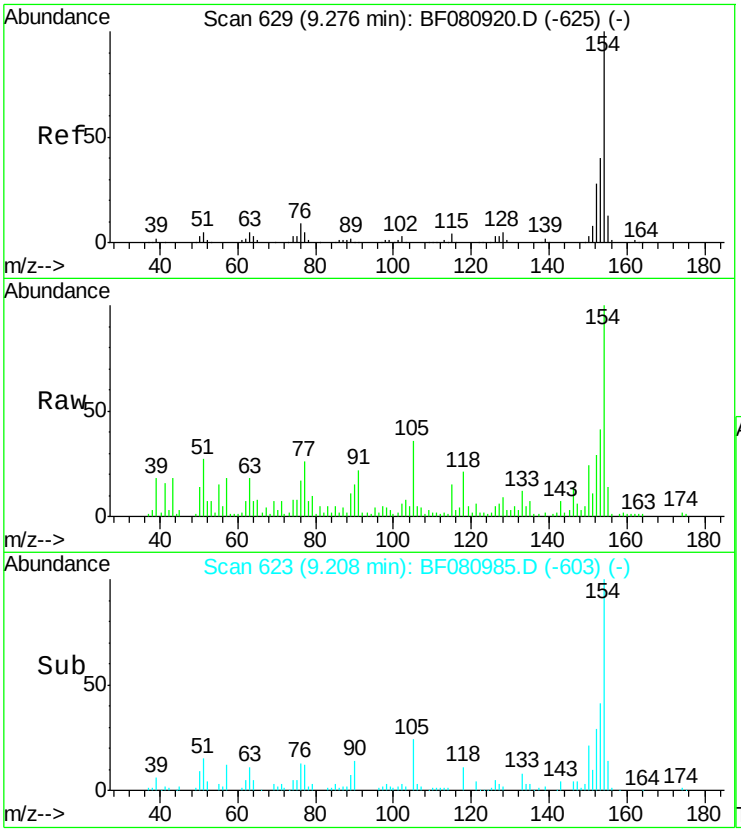




#44
2-Fluorobiphenyl
Concen: 91.40 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:172 Resp: 519404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.4 | 44.0 |
| 170 | 24.0 | 19.7 | 29.5 |



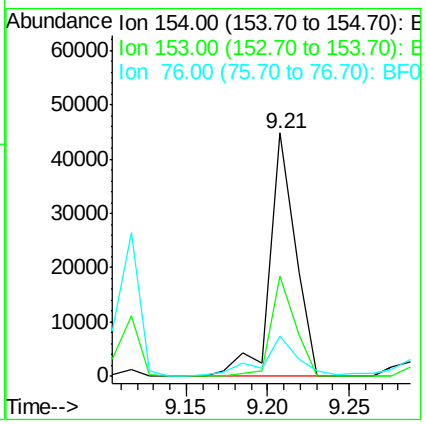


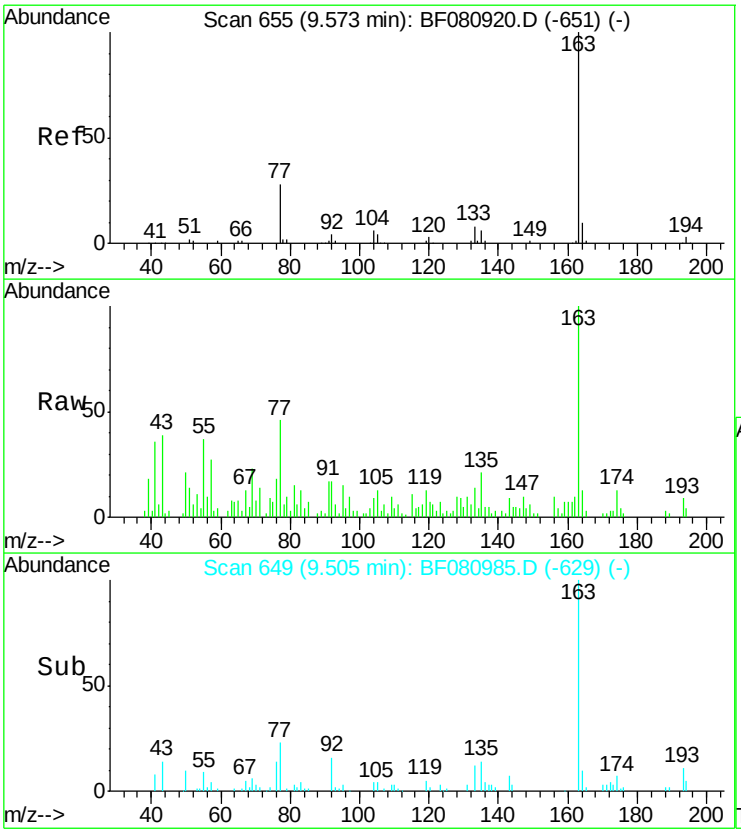

#45
1,1'-Biphenyl
Concen: 7.16 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:154 Resp: 49163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 20.1 | 60.1 |
| 76 | 16.5 | 0.0 | 29.3 |

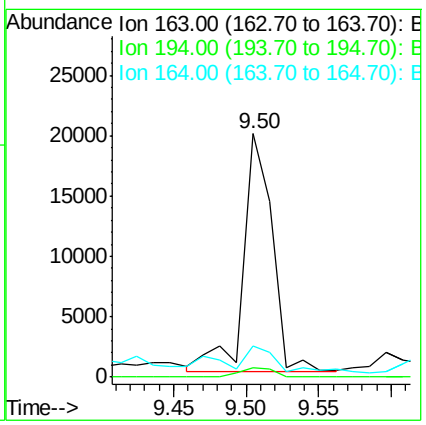


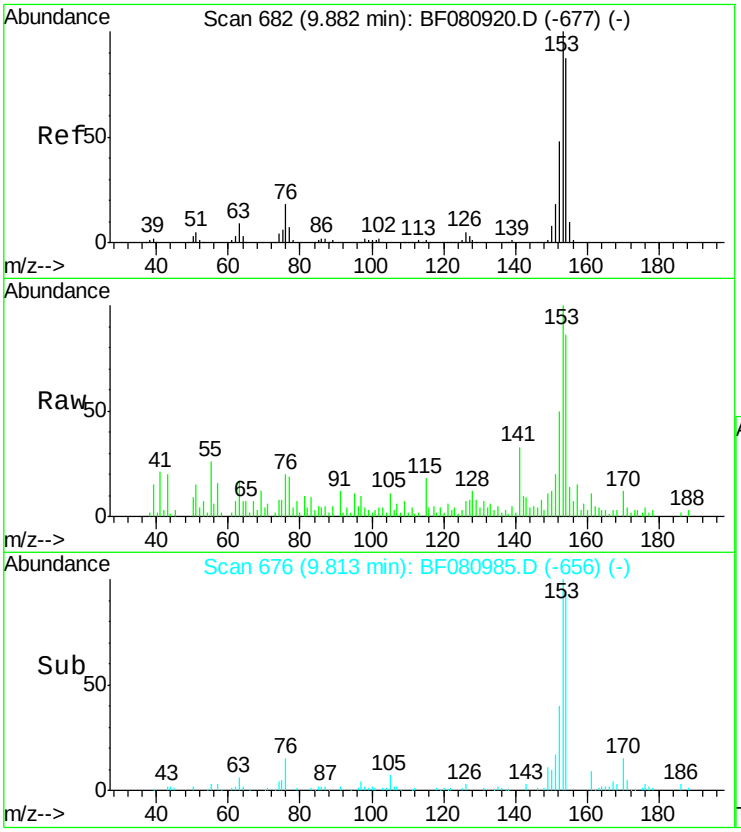




#49
Dimethylphthalate
Concen: 4.07 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:163 Resp: 27073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 2.4 | 3.6# |
| 164 | 13.0 | 8.2 | 12.4# |



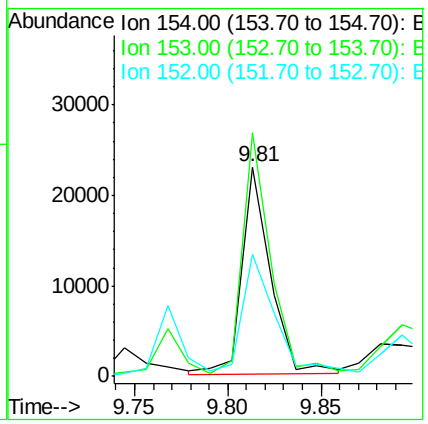


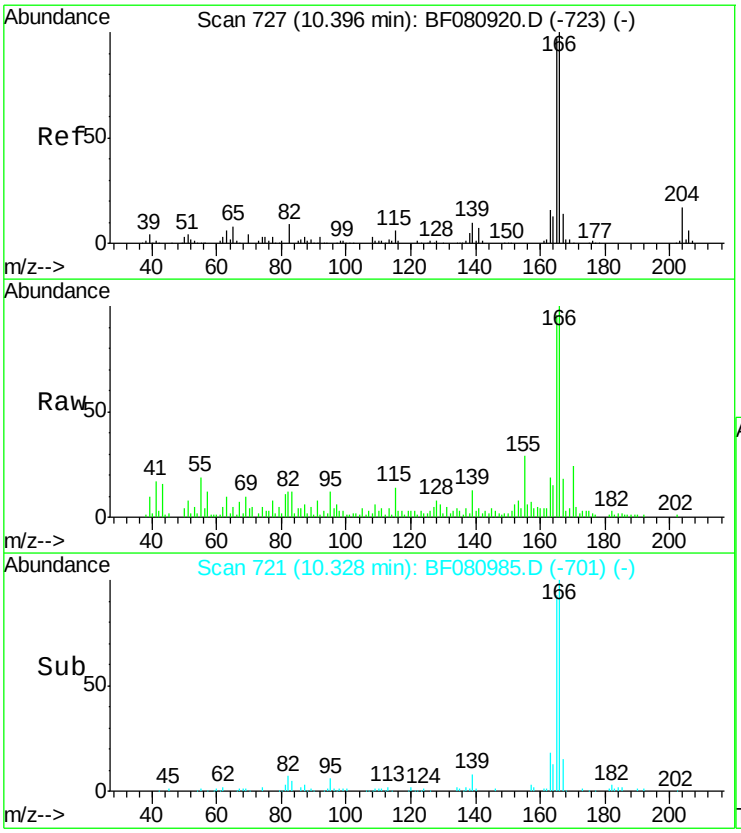

#51
Acenaphthene
Concen: 4.29 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:154 Resp: 24468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.2 | 91.4 | 137.2 |
| 152 | 58.5 | 44.2 | 66.4 |

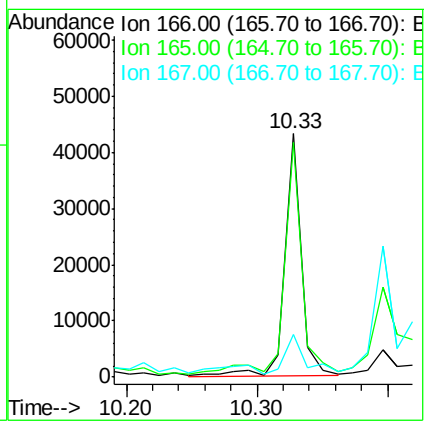


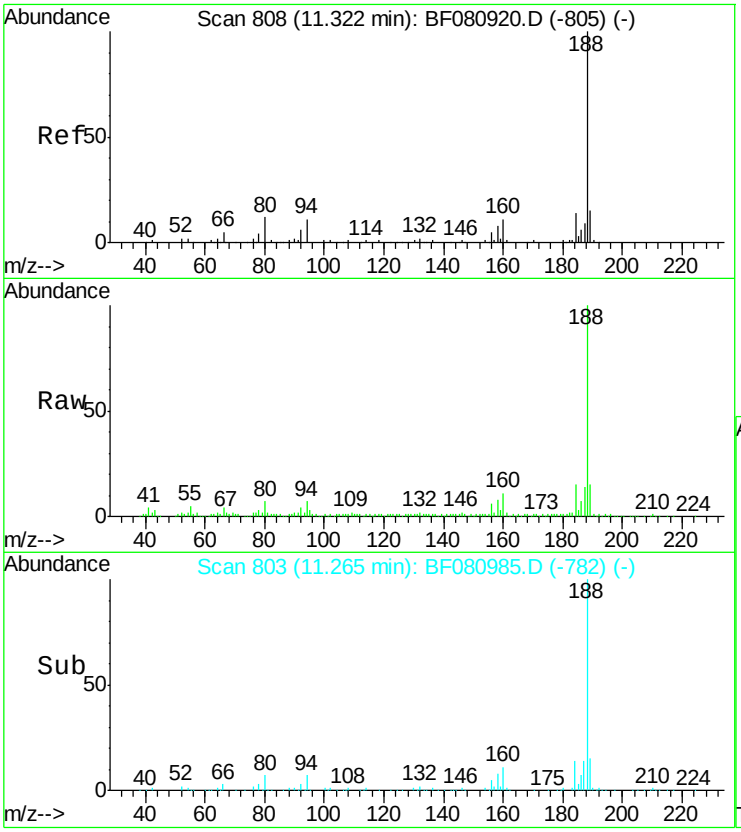




#57
Fluorene
Concen: 6.42 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:166 Resp: 38301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.2 | 77.2 | 115.8 |
| 167 | 17.6 | 10.8 | 16.2# |



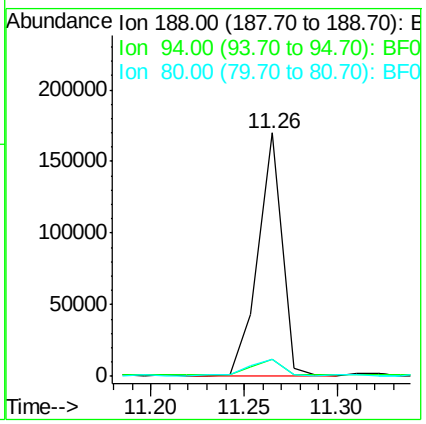


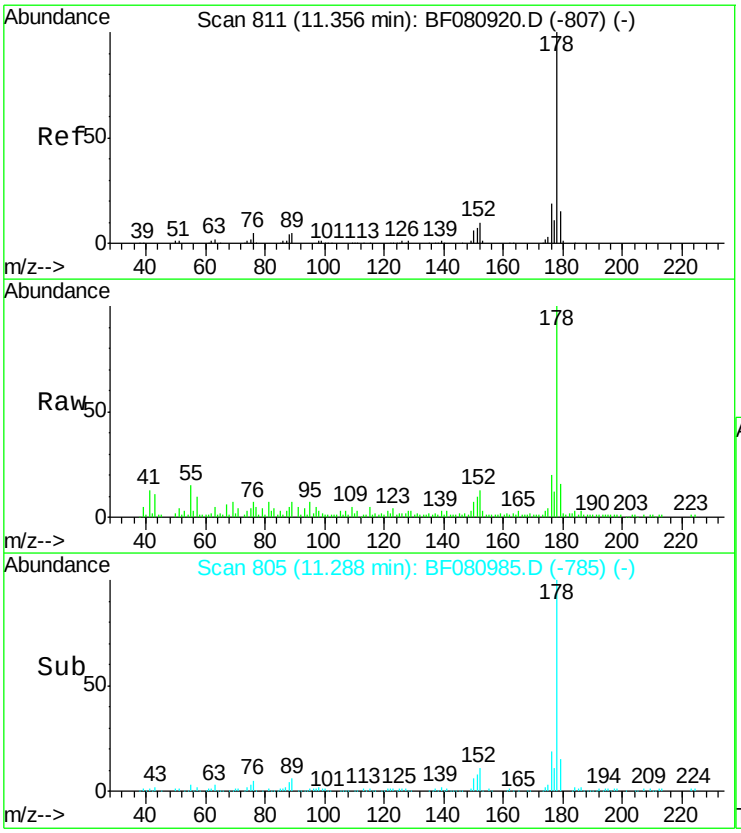

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:188 Resp: 149793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 8.8 | 13.2# |
| 80 | 7.1 | 9.5 | 14.3# |

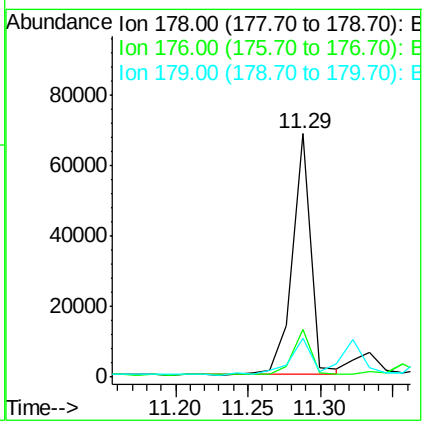


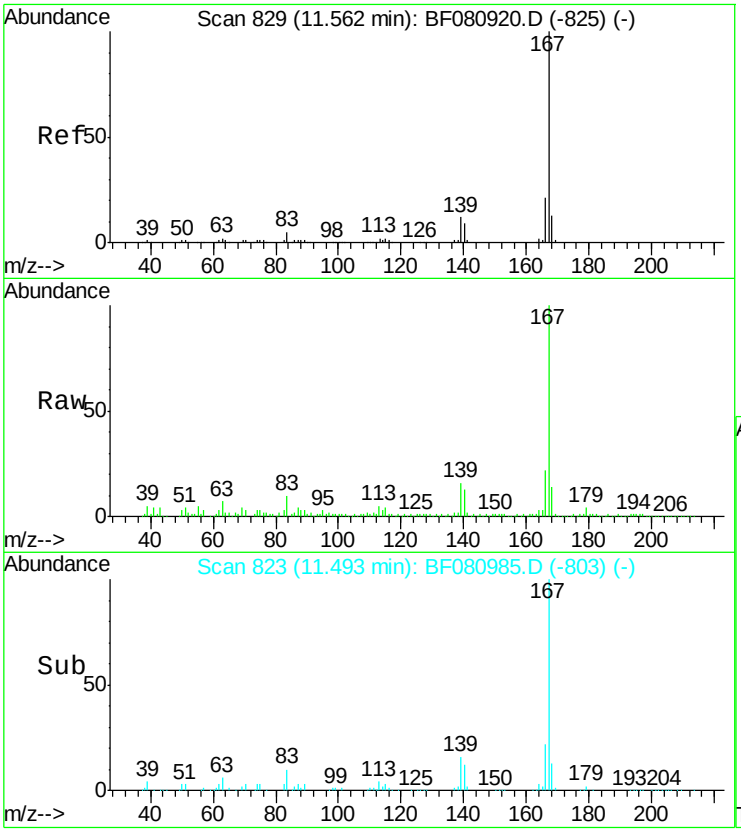




#70
Phenanthrene
Concen: 7.04 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:178 Resp: 59737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.6 | 23.4 |
| 179 | 16.0 | 11.9 | 17.9 |



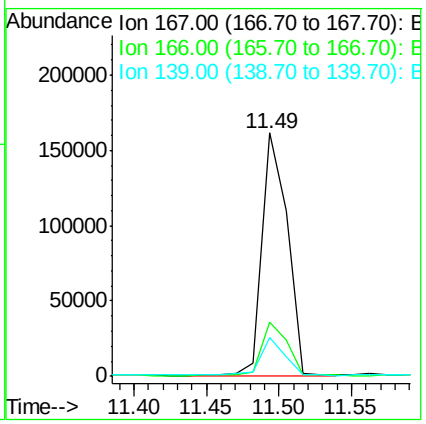


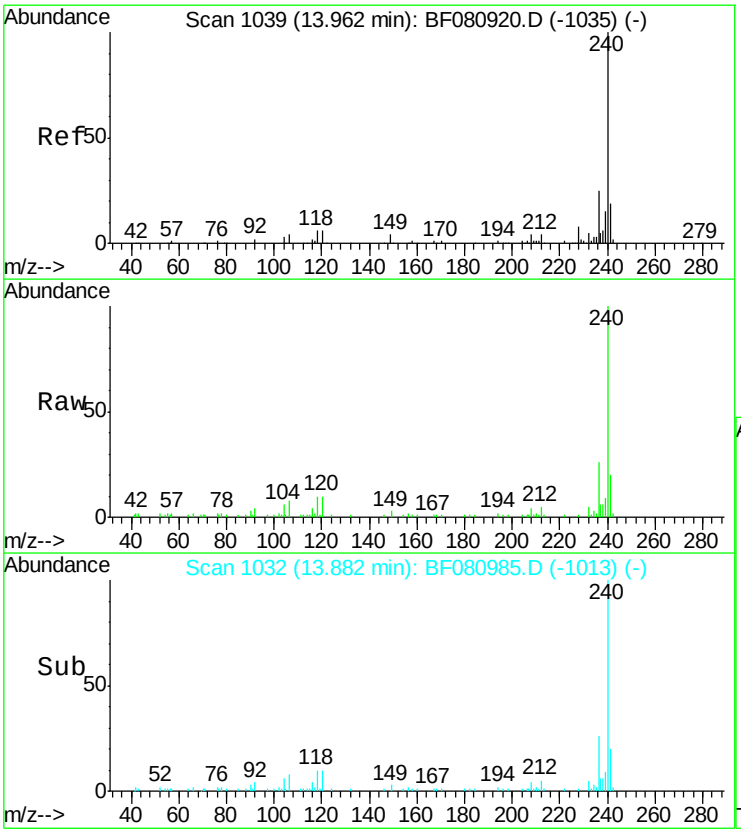

#72
Carbazole
Concen: 23.67 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.07 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:167 Resp: 193524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.1 | 25.7 |
| 139 | 16.1 | 9.2 | 13.8# |

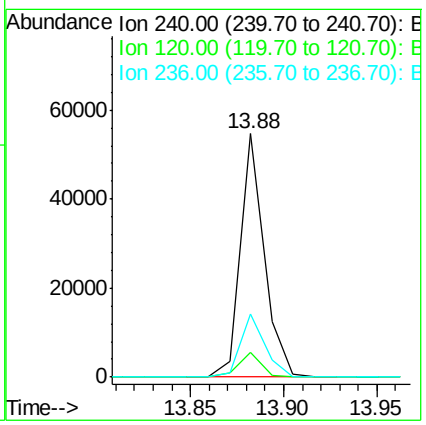


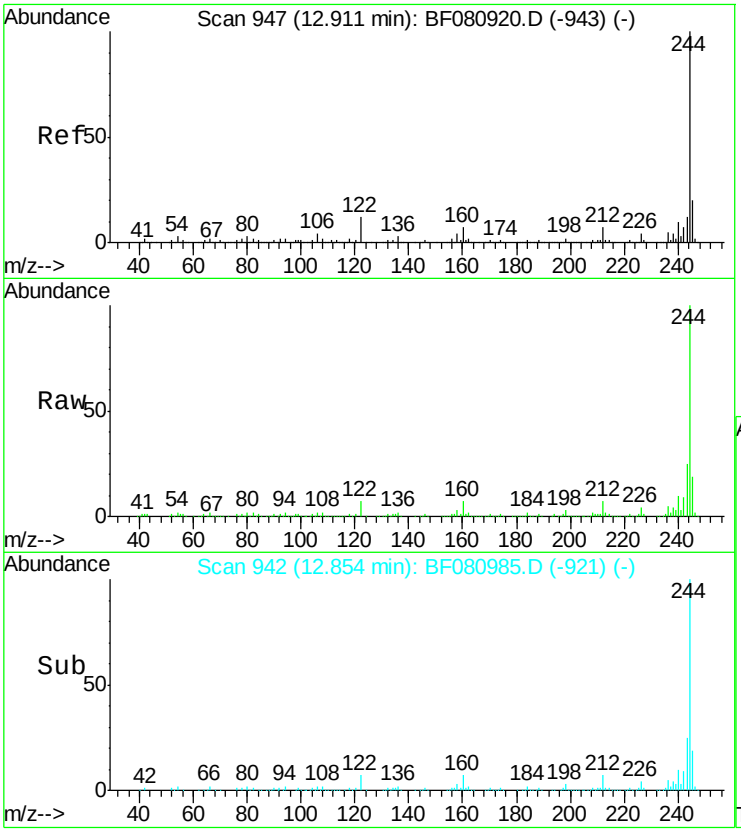




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.08 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:240 Resp: 49014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 5.2 | 7.8# |
| 236 | 26.0 | 20.2 | 30.4 |



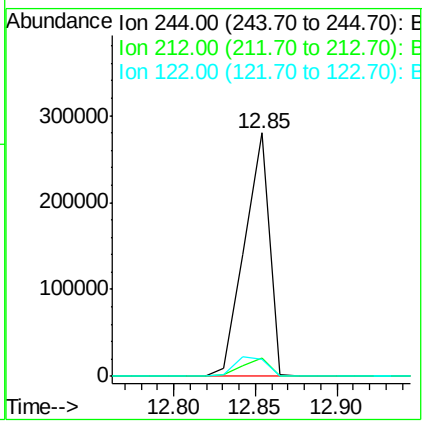


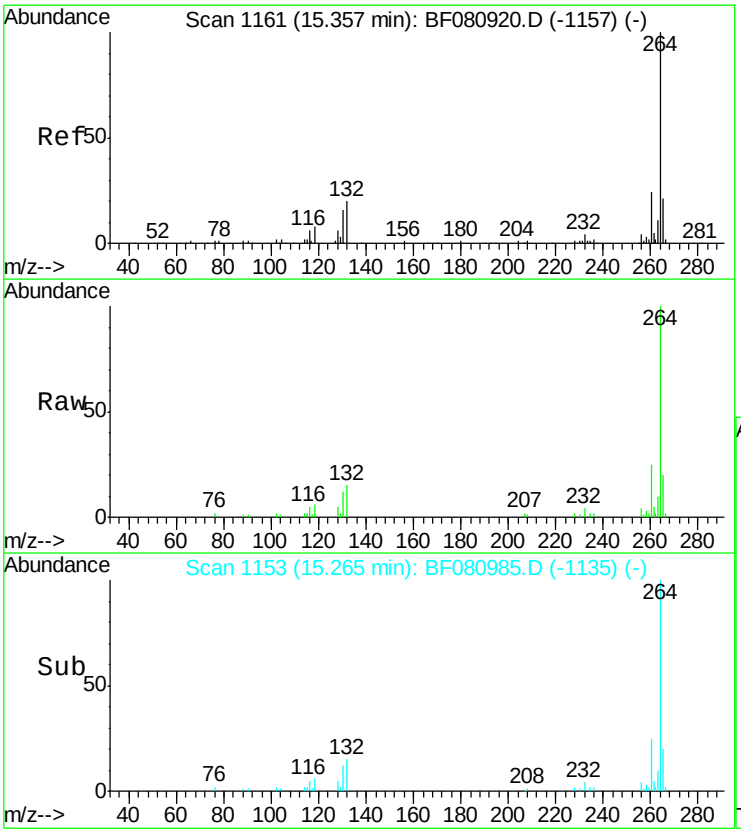

#78
Terphenyl-d14
Concen: 124.84 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.06 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

**Instrument :**
BNA_F
**ClientSampleId :**
S-A(2)

Tgt Ion:244 Resp: 296241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.8 | 8.8 |
| 122 | 7.1 | 9.4 | 14.2# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF080985.D
Acq: 13 Aug 2015 17:32

Tgt Ion:264 Resp: 32085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.4 | 29.0 |
| 265 | 20.1 | 17.0 | 25.4 |