Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
Data File : BF096839.D
Acq On : 18 Jul 2017 11:11
Operator : SJ/JU
Sample : I4205-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-TWP07

Quant Time: Jul 18 12:16:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 11:39:34 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 110119 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 7.88 | 136 | 456692 | 20.00 | ng | | -0.04 |
| 38) Acenaphthene-d10 | 9.63 | 164 | 223266 | 20.00 | ng | | -0.04 |
| 63) Phenanthrene-d10 | 11.10 | 188 | 385949 | 20.00 | ng | | -0.04 |
| 75) Chrysene-d12 | 13.73 | 240 | 329763 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.10 | 264 | 223150 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 168801 | 23.05 | ng | | -0.03 |
| 7) Phenol-d6 | 6.24 | 99 | 224669 | 25.56 | ng | | -0.04 |
| 23) Nitrobenzene-d5 | 7.16 | 82 | 505816 | 68.60 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 10.42 | 330 | 112045 | 58.79 | ng | | -0.04 |
| 44) 2-Fluorobiphenyl | 8.96 | 172 | 955977 | 67.65 | ng | | -0.04 |
| 78) Terphenyl-d14 | 12.69 | 244 | 875406 | 46.04 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 7.90 | 128 | 67430 | 3.117 | ng | # | 93 |
| 35) Caprolactam | 8.33 | 113 | 11542 | 5.705 | ng | # | 1 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 85969 | 6.233 | ng | | 96 |
| 49) Dimethylphthalate | 9.35 | 163 | 182751 | 10.871 | ng | # | 98 |
| 51) Acenaphthene | 9.66 | 154 | 51583 | 3.887 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.85 | 184 | 1414 | 7.459 | ng | # | 1 |
| 57) Fluorene | 10.17 | 166 | 94374 | 6.867 | ng | # | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204 | 1064 | Below Cal | | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.22 | 169 | 37464 | 2.716 | ng | | 95 |

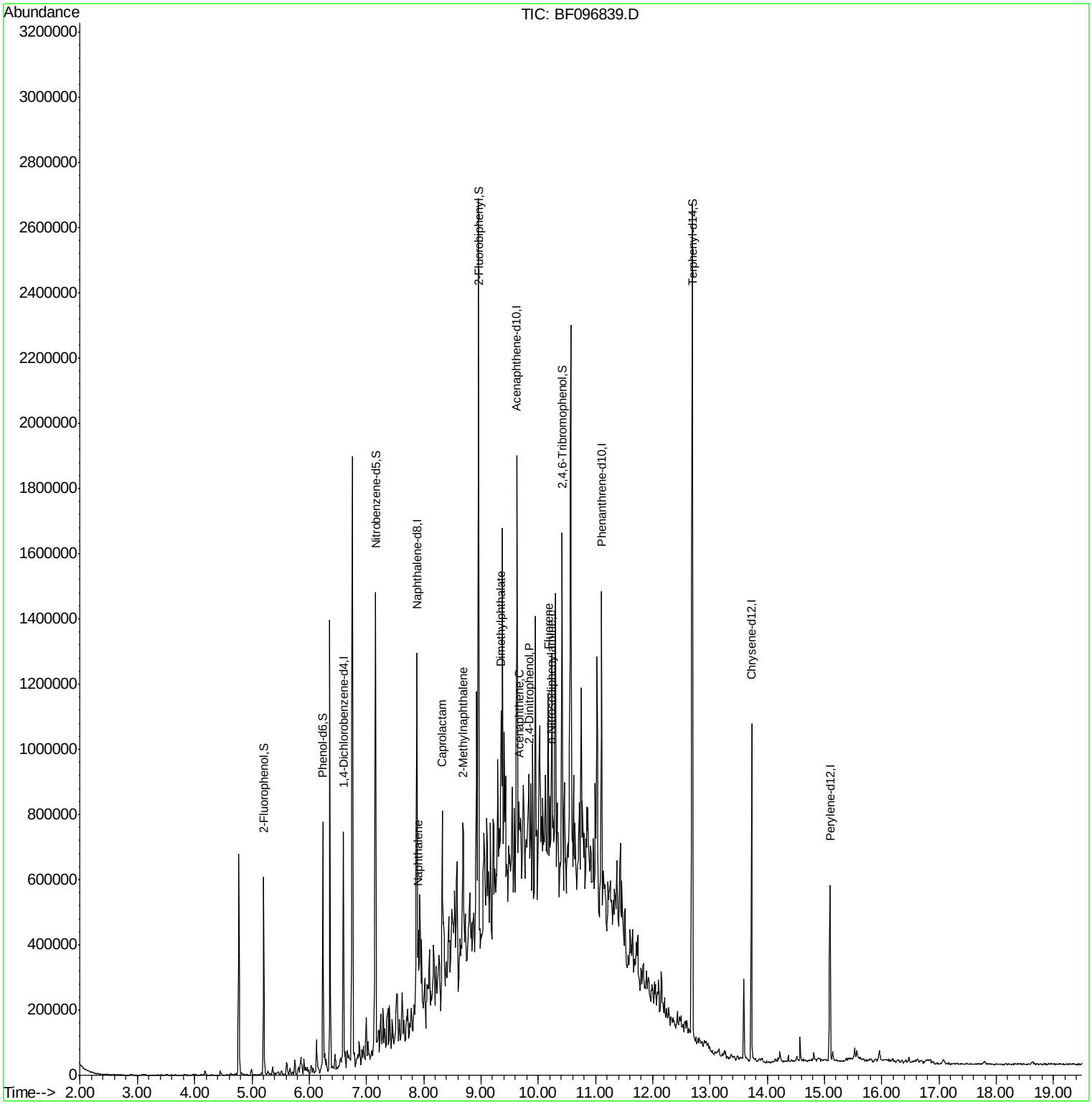
(#) = qualifier out of range (m) = manual integration (+) = signals summed

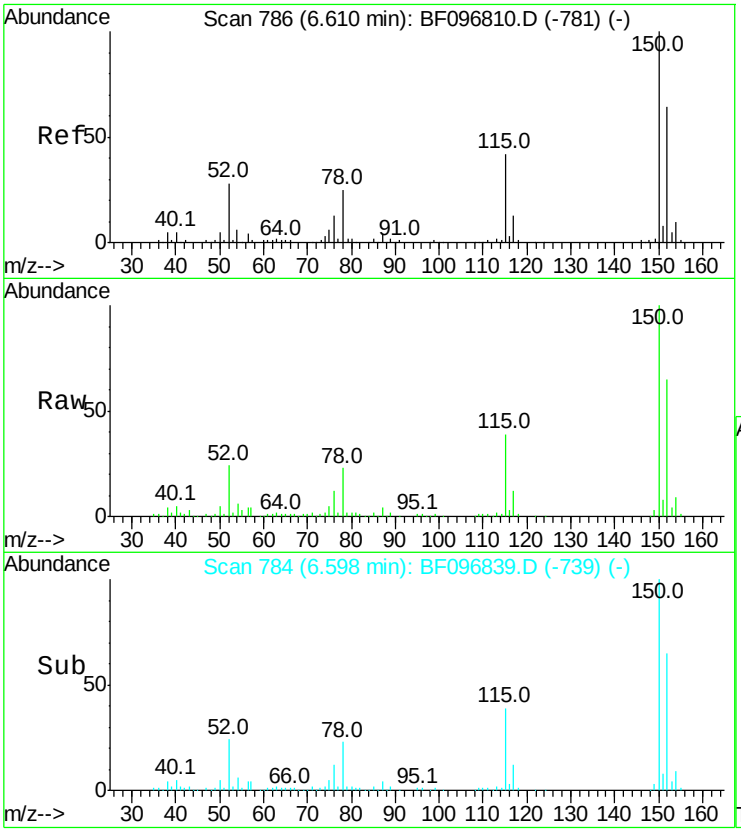
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
Data File : BF096839.D
Acq On : 18 Jul 2017 11:11
Operator : SJ/JU
Sample : I4205-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Quant Time: Jul 18 12:16:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 11:39:34 2017
Response via : Initial Calibration



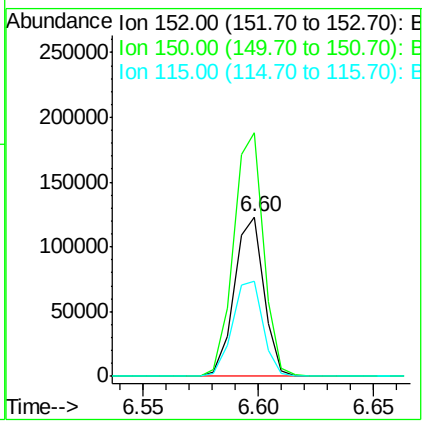


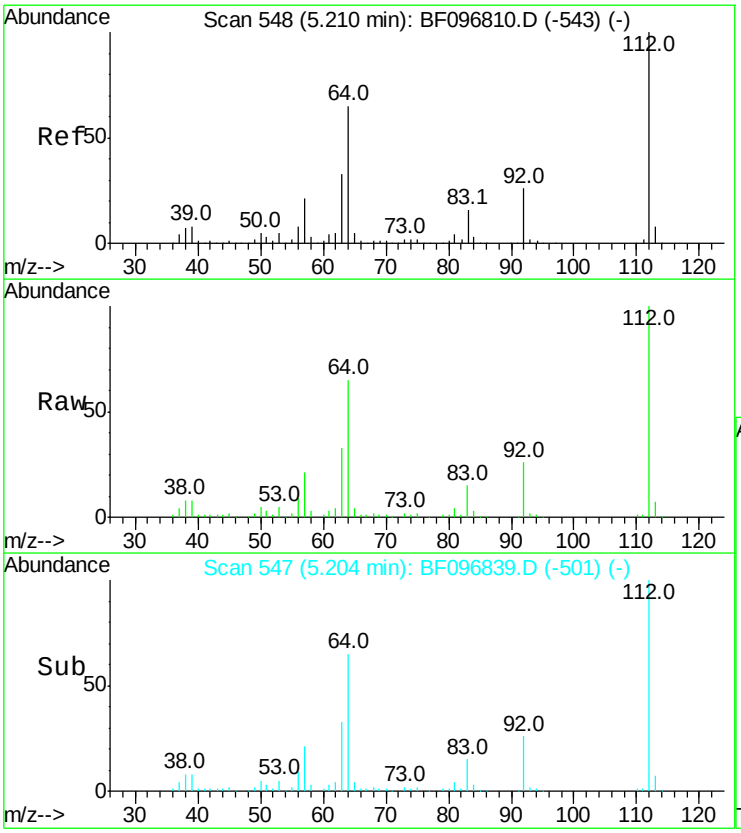

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:152 Resp: 110119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 126.2 | 189.2 |
| 115 | 59.4 | 52.2 | 78.2 |

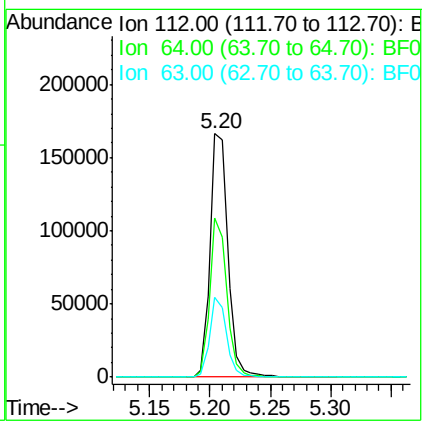


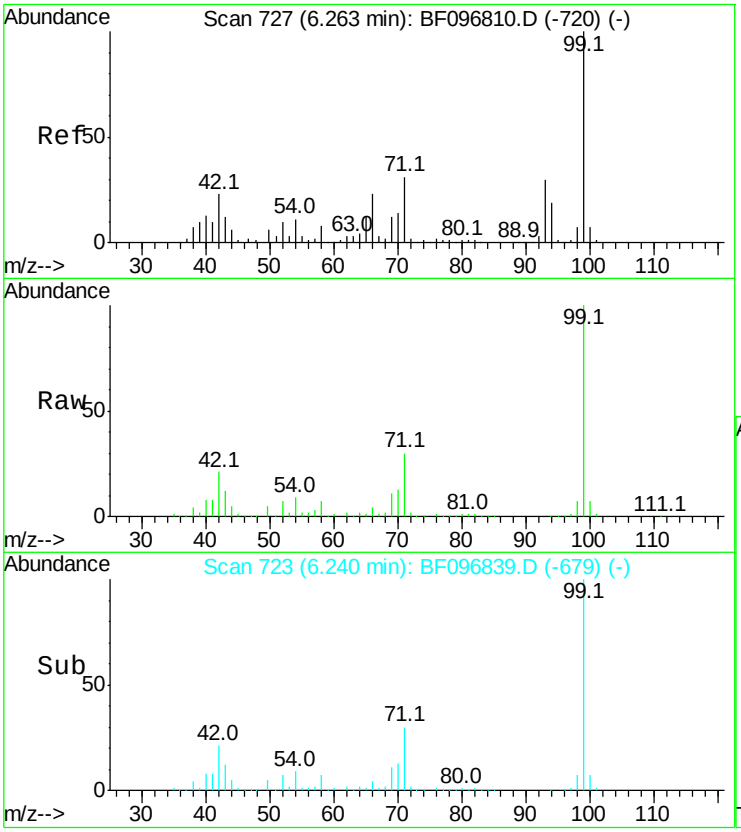




#5
2-Fluorophenol
Concen: 23.048 ng
RT: 5.20 min Scan# 547
Delta R.T. -0.03 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:112 Resp: 168801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.1 | 46.0 | 69.0 |
| 63 | 32.8 | 23.4 | 35.0 |



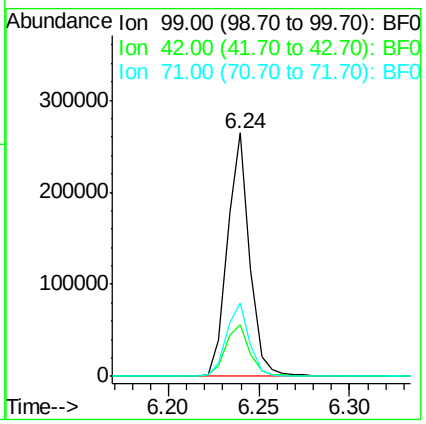


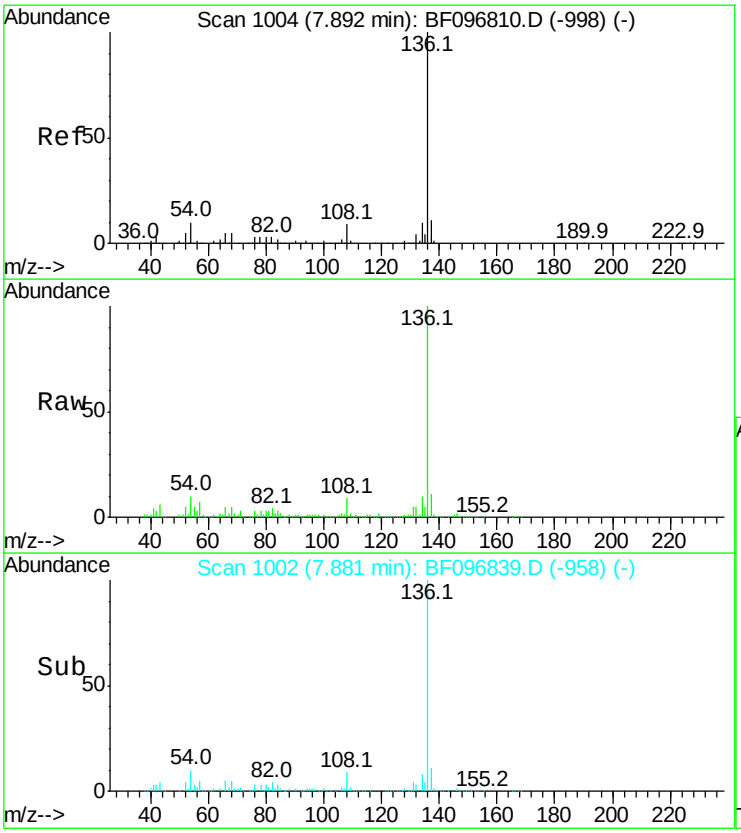

#7
Phenol-d6
Concen: 25.563 ng
RT: 6.24 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion: 99 Resp: 224669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 13.5 | 20.3# |
| 71 | 30.1 | 24.5 | 36.7 |

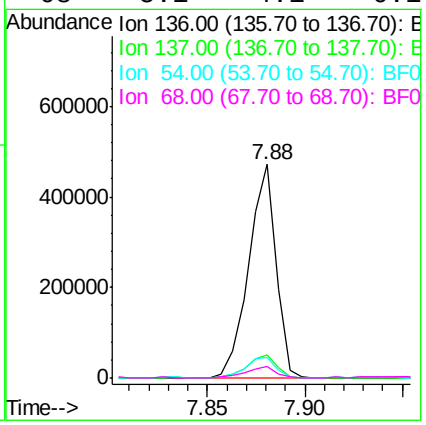


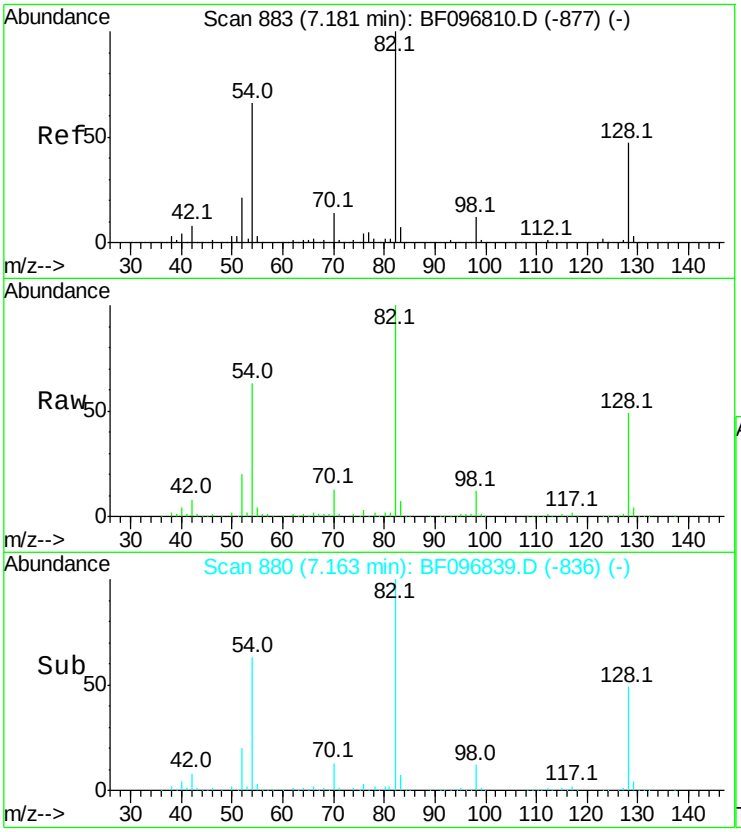




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1002
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:136 Resp: 456692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 9.8 | 4.9 | 7.3# |
| 68 | 5.1 | 4.1 | 6.1 |



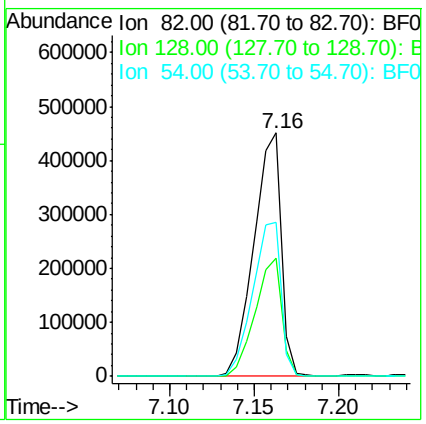


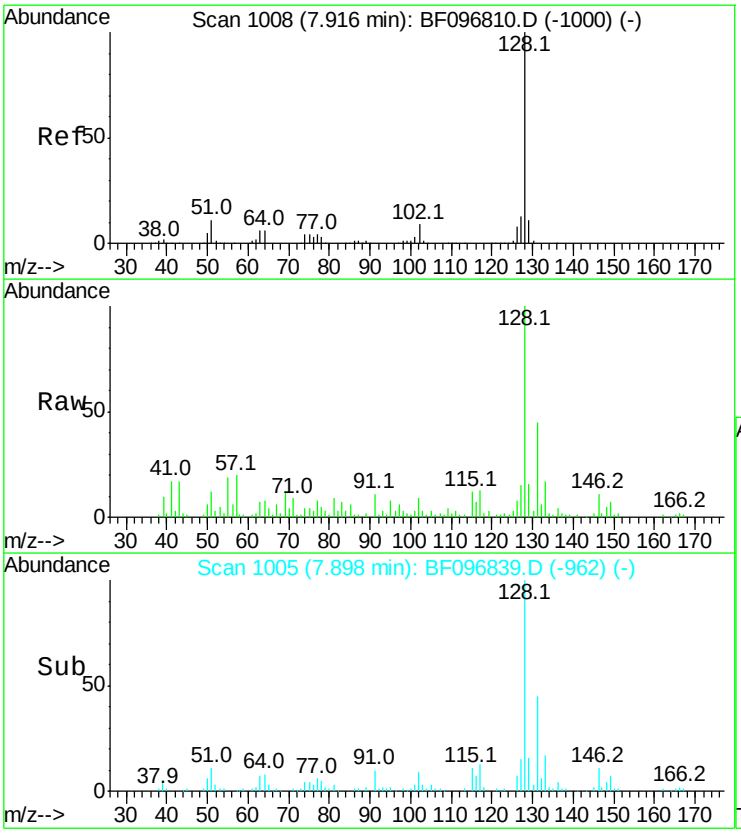

#23
Nitrobenzene-d5
Concen: 68.603 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion: 82 Resp: 505816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.7 | 34.0 | 51.0 |
| 54 | 63.1 | 42.2 | 63.2 |

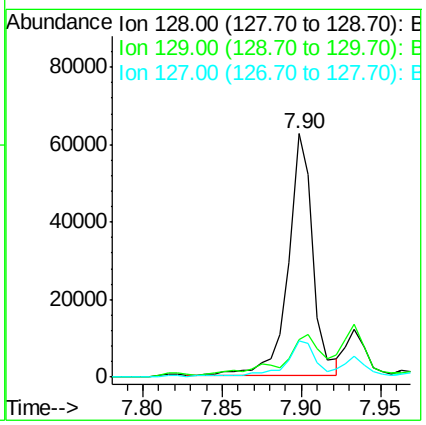


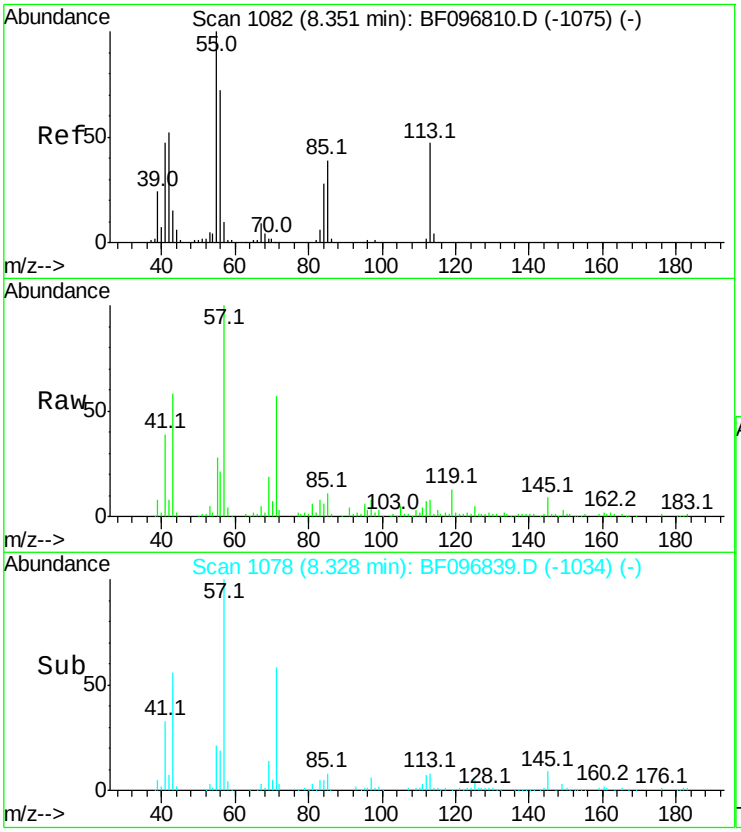




#31
Naphthalene
Concen: 3.117 ng
RT: 7.90 min Scan# 1005
Delta R.T. -0.05 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:128 Resp: 67430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.5 | 9.0 | 13.6# |
| 127 | 14.6 | 10.8 | 16.2 |



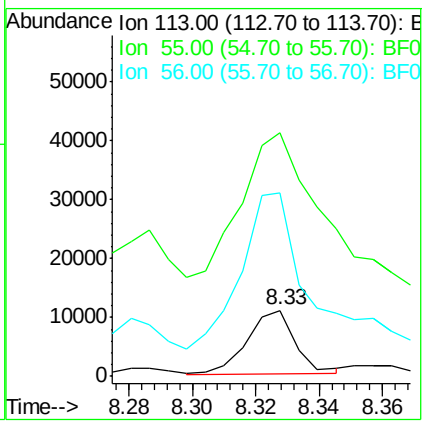


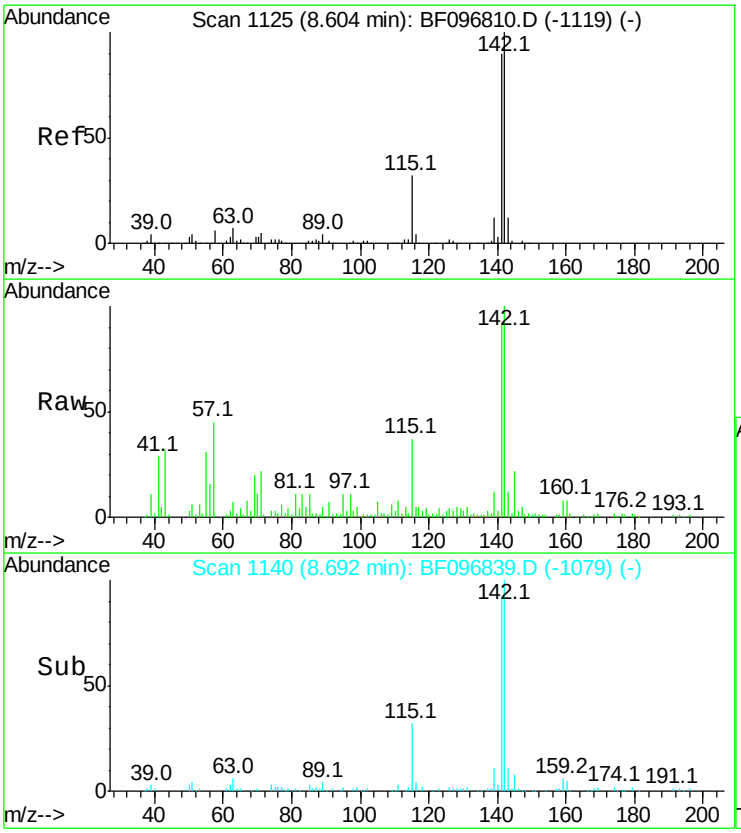

#35
Caprolactam
Concen: 5.705 ng
RT: 8.33 min Scan# 1078
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:113 Resp: 11542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 367.7 | 150.2 | 190.2# |
| 56 | 276.5 | 107.8 | 147.8# |

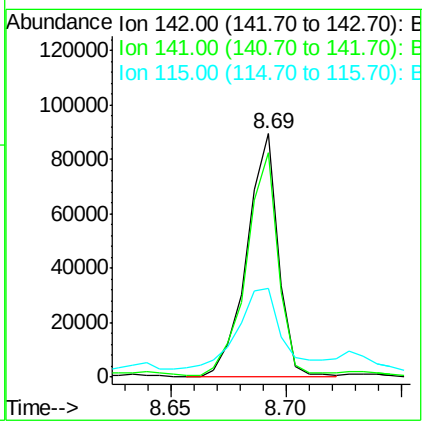


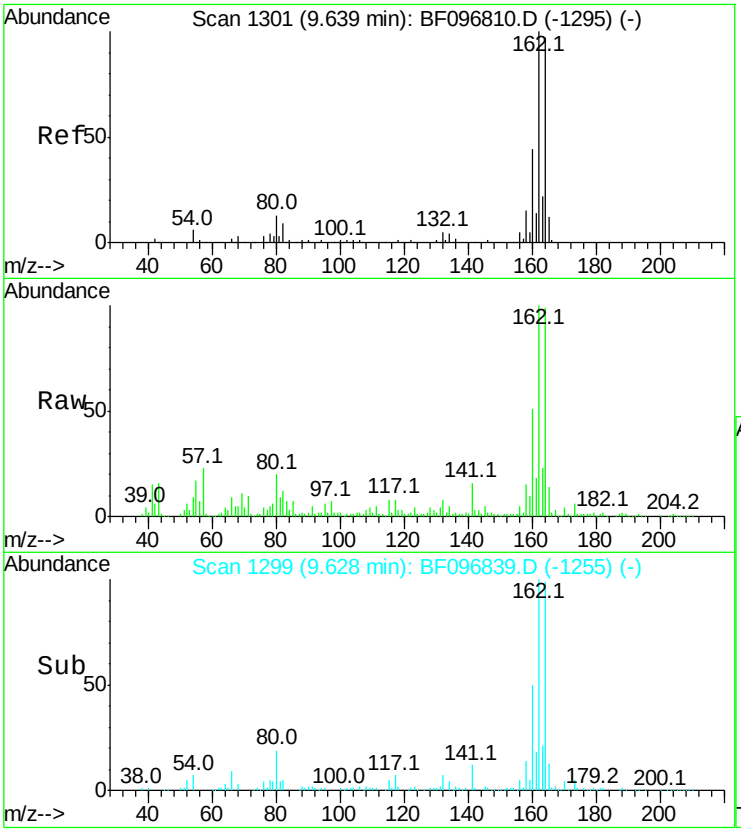




#37
2-Methylnaphthalene
Concen: 6.233 ng
RT: 8.69 min Scan# 1140
Delta R.T. 0.06 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:142 Resp: 85969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 71.3 | 106.9 |
| 115 | 36.5 | 27.1 | 40.7 |



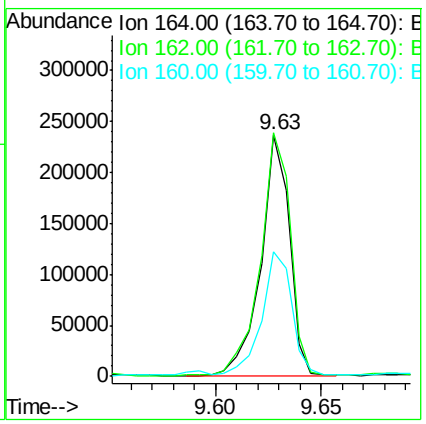


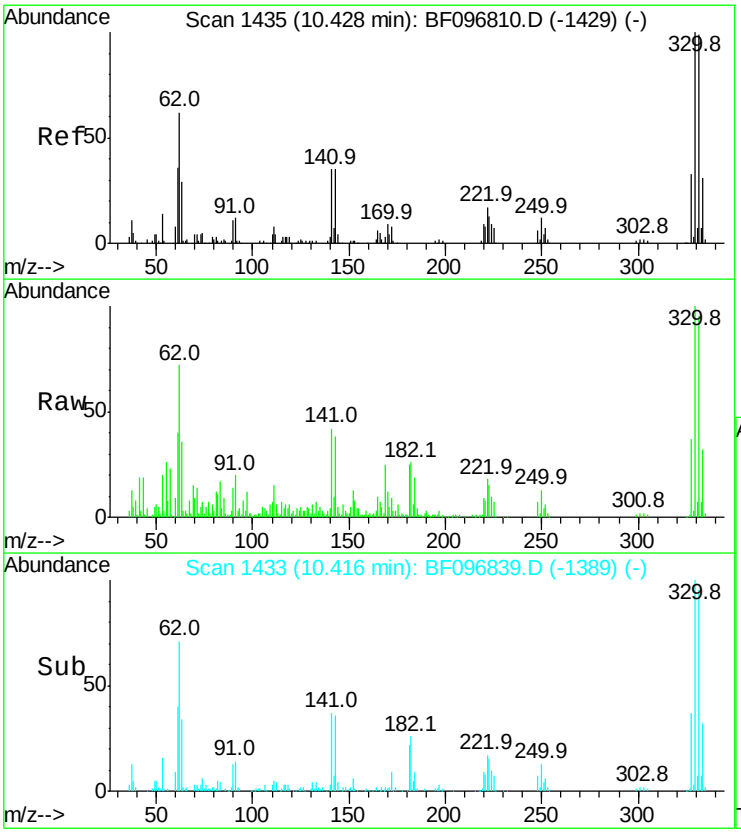

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:164 Resp: 223266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 82.6 | 123.8 |
| 160 | 51.3 | 36.2 | 54.2 |

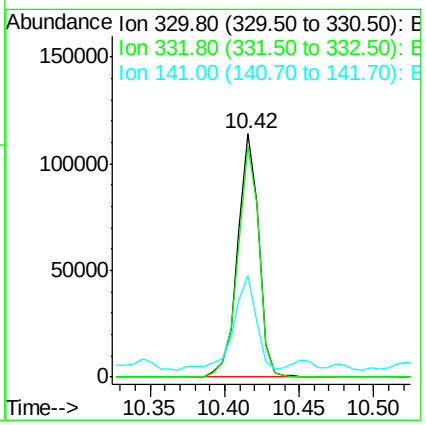


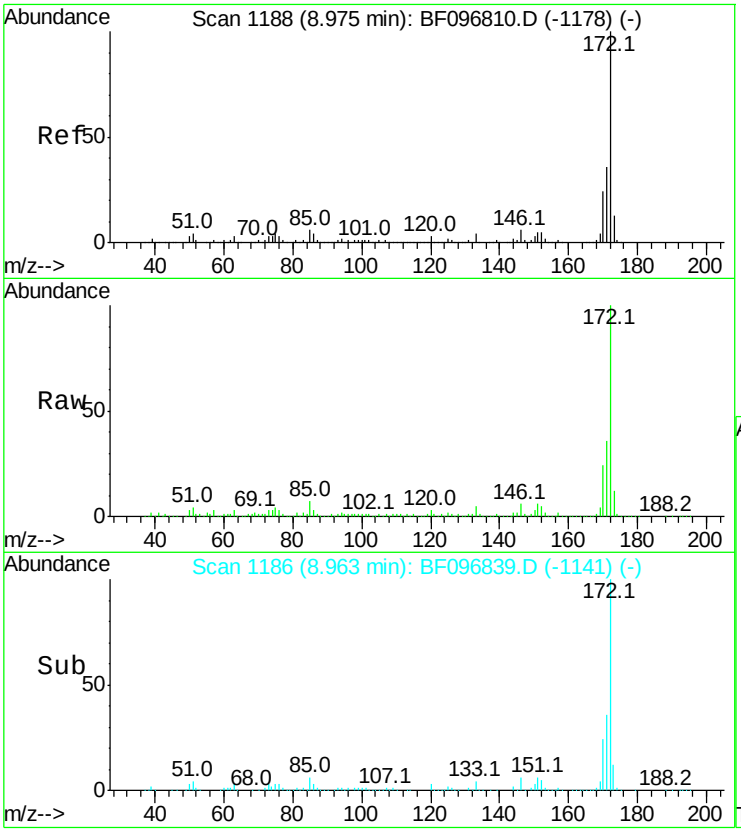




#41
2,4,6-Tribromophenol
Concen: 58.793 ng
RT: 10.42 min Scan# 1433
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:330 Resp: 112045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 76.6 | 115.0 |
| 141 | 42.6 | 31.4 | 47.2 |



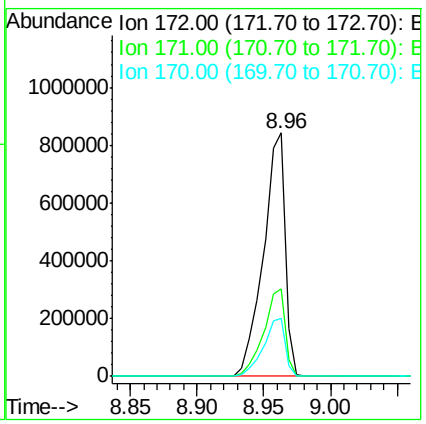


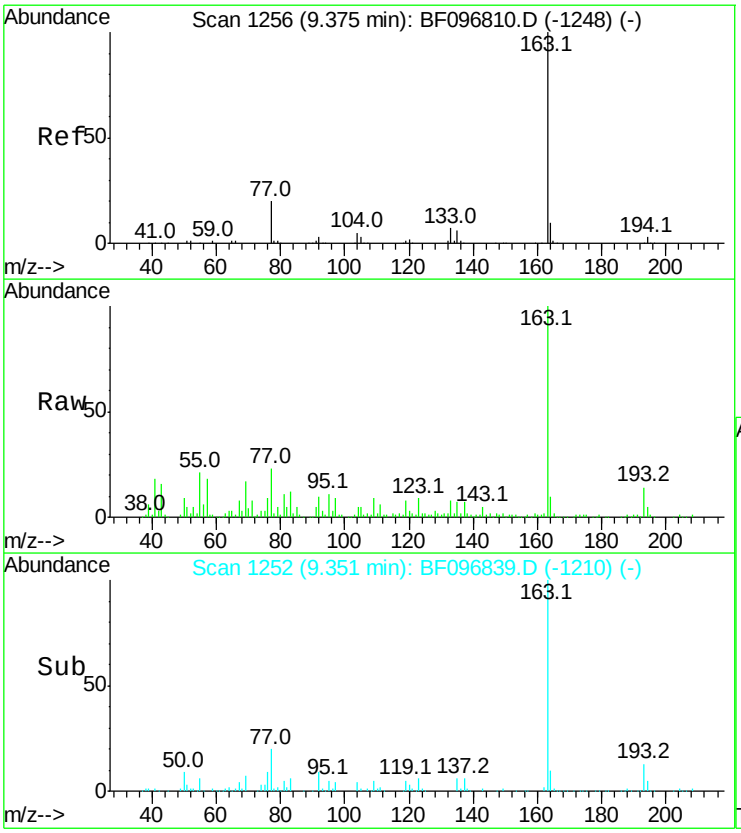

#44
2-Fluorobiphenyl
Concen: 67.649 ng
RT: 8.96 min Scan# 1186
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:172 Resp: 955977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.6 | 44.4 |
| 170 | 23.8 | 19.8 | 29.8 |

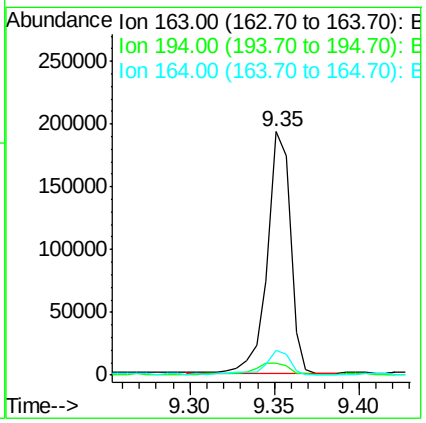


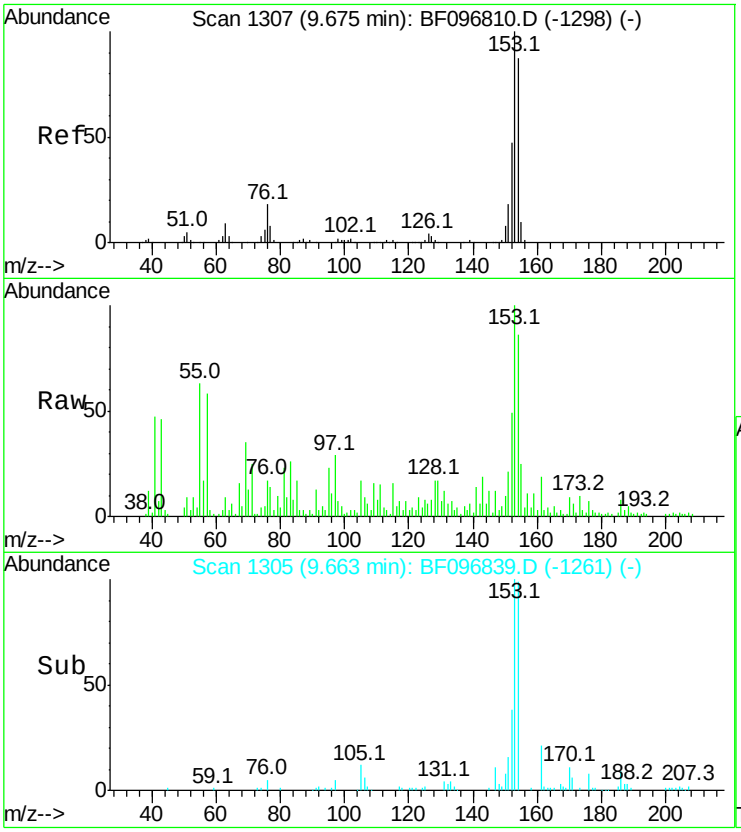




#49
Dimethylphthalate
Concen: 10.871 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.05 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:163 Resp: 182751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.0 | 2.6 | 4.0# |
| 164 | 10.1 | 8.4 | 12.6 |



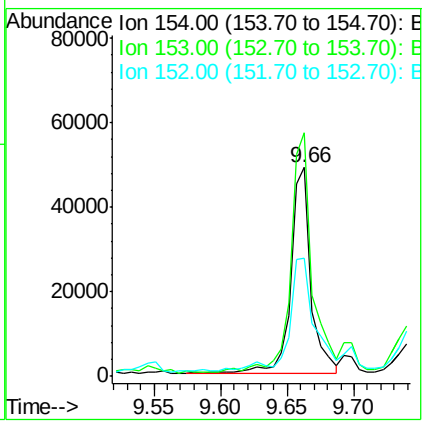


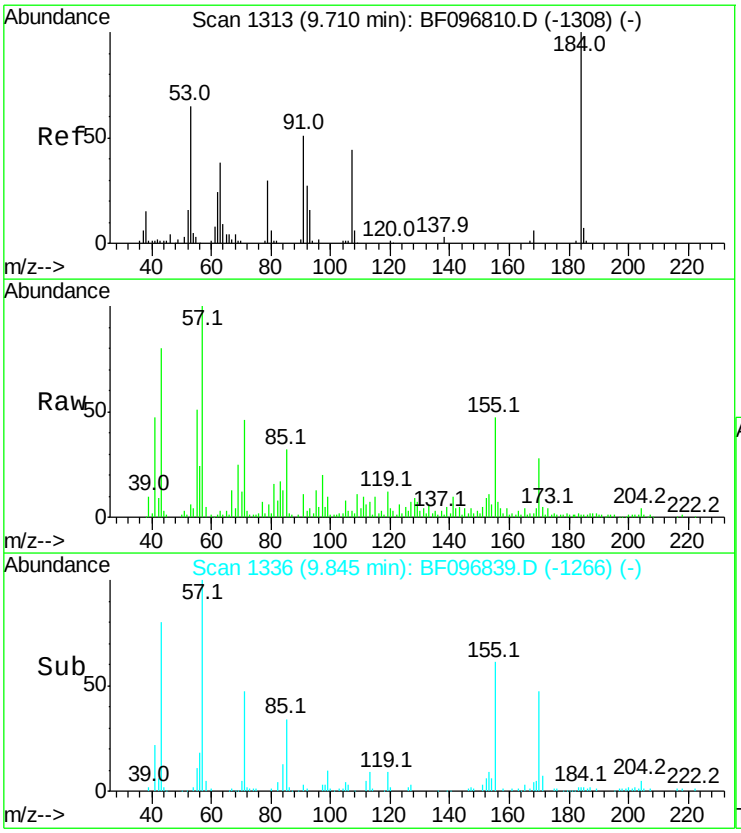

#51
Acenaphthene
Concen: 3.887 ng
RT: 9.66 min Scan# 1305
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:154 Resp: 51583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.6 | 90.5 | 135.7 |
| 152 | 56.8 | 43.6 | 65.4 |

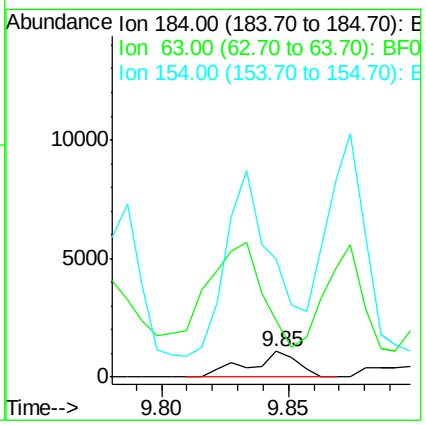


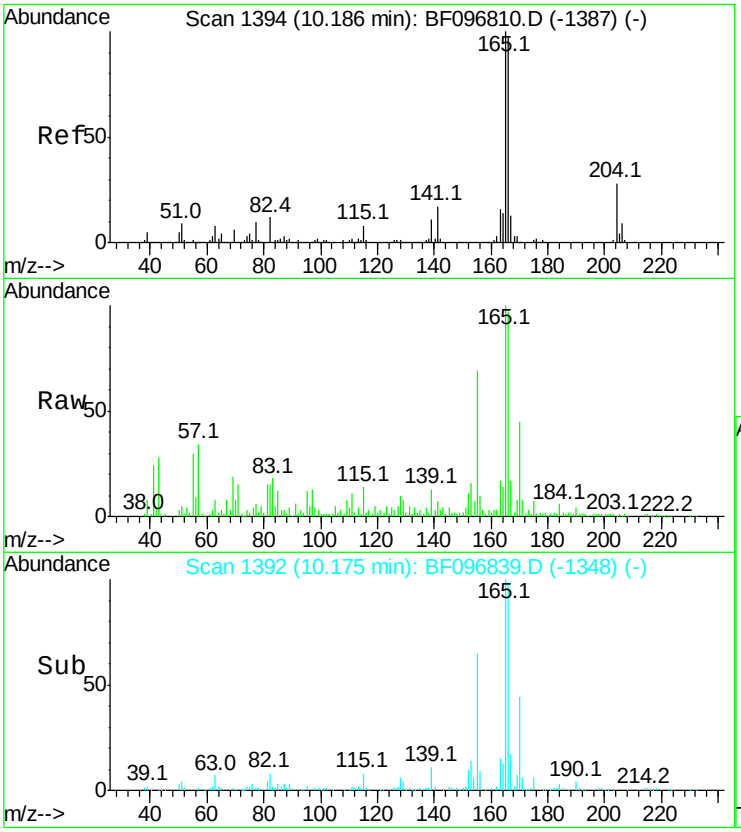




#53
2,4-Dinitrophenol
Concen: 7.459 ng
RT: 9.85 min Scan# 1336
Delta R.T. 0.11 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:184 Resp: 1414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 222.2 | 62.7 | 94.1# |
| 154 | 462.0 | 81.1 | 121.7# |



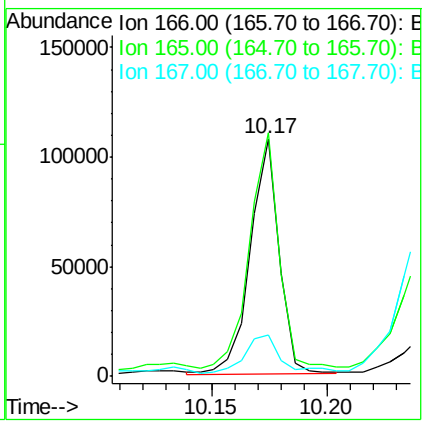


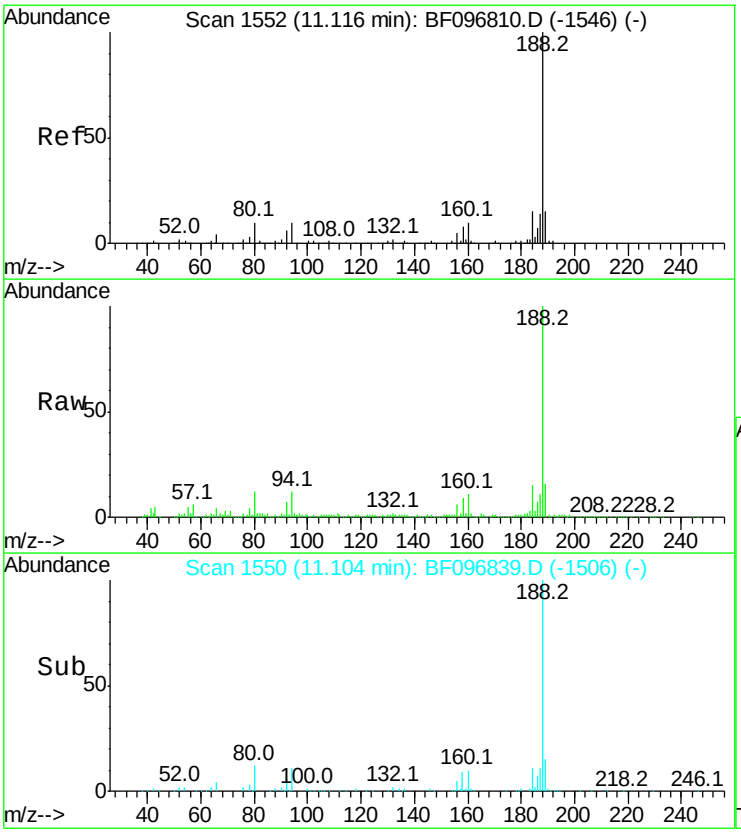

#57
Fluorene
Concen: 6.867 ng
RT: 10.17 min Scan# 1392
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:166 Resp: 94374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.6 | 78.8 | 118.2 |
| 167 | 17.5 | 10.6 | 16.0# |

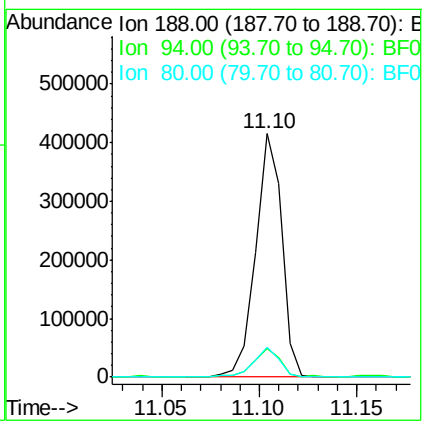


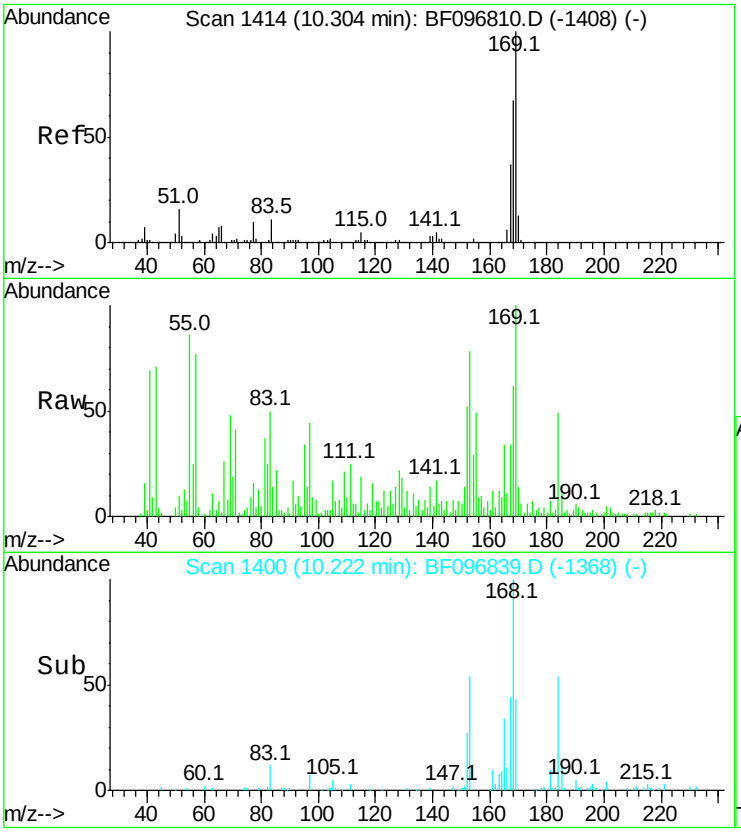




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1550
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:188 Resp: 385949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 9.4 | 14.2 |
| 80 | 12.2 | 10.2 | 15.2 |



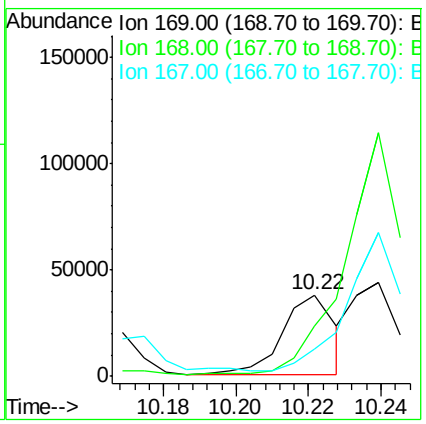


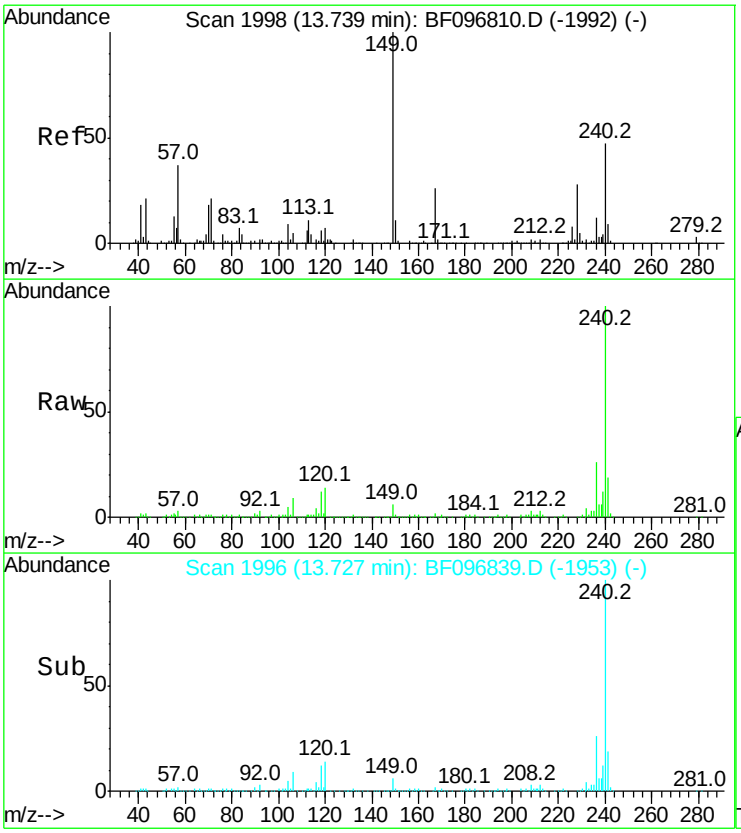

#65
n-Nitrosodiphenylamine
Concen: 2.716 ng
RT: 10.22 min Scan# 1400
Delta R.T. -0.11 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:169 Resp: 37464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 61.9 | 53.2 | 79.8 |
| 167 | 34.4 | 29.5 | 44.3 |

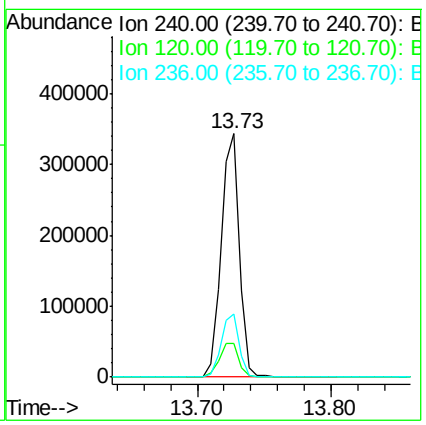


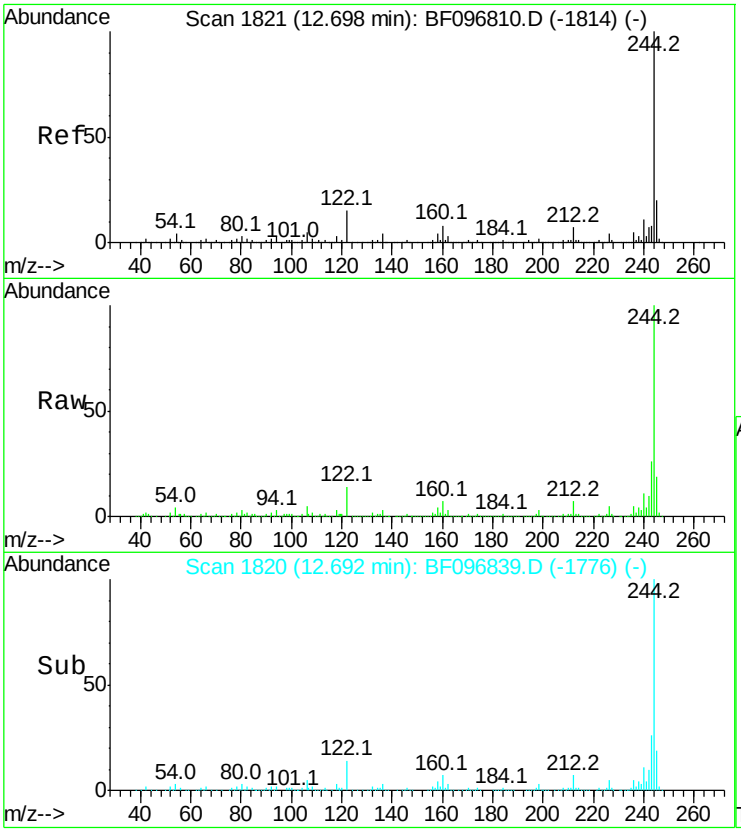




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:240 Resp: 329763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.7 | 5.8 | 8.8# |
| 236 | 25.7 | 20.5 | 30.7 |



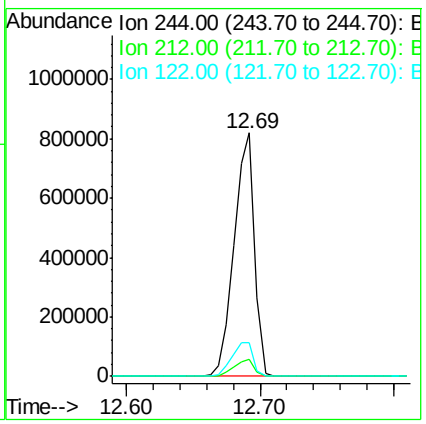


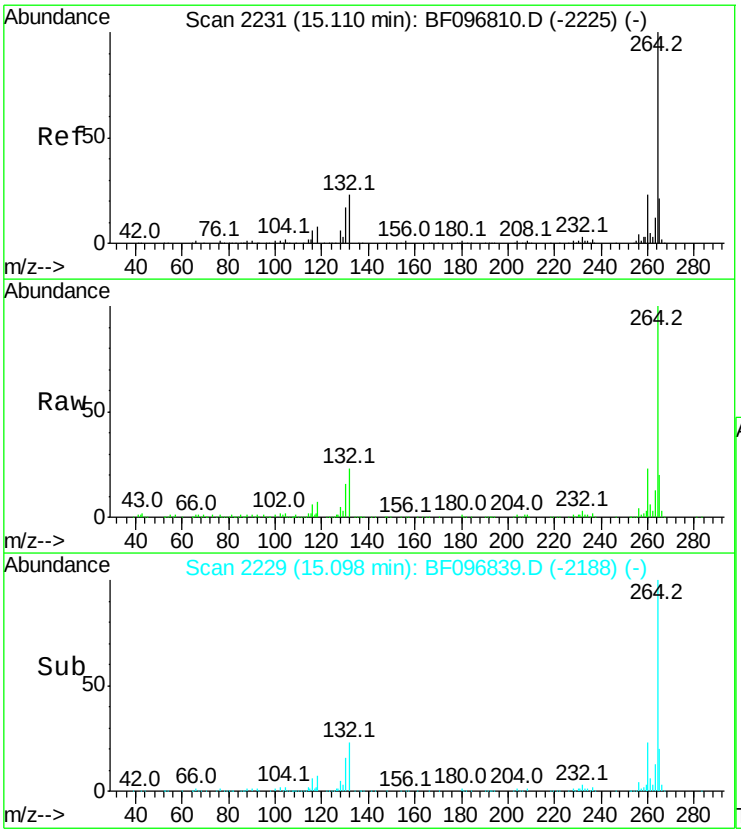

#78
Terphenyl-d14
Concen: 46.039 ng
RT: 12.69 min Scan# 1820
Delta R.T. -0.04 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

**Instrument :**
BNA_F
**ClientSampleId :**
NB-TWP07

Tgt Ion:244 Resp: 875406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 13.7 | 10.3 | 15.5 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.06 min
Lab File: BF096839.D
Acq: 18 Jul 2017 11:11

Tgt Ion:264 Resp: 223150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.5 | 29.3 |
| 265 | 20.0 | 17.2 | 25.8 |