Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
Data File : BF088135.D
Acq On : 18 Jun 2016 15:43
Operator : UM/SJ
Sample : H3501-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SED2-0-6

Quant Time: Jun 19 07:44:09 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 17 16:09:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.68 | 152 | 104446 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.98 | 136 | 383519 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.72 | 164 | 158743 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.20 | 188 | 246949 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.83 | 240 | 204184 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.21 | 264 | 159840 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 665823 | 108.98 | ng | | 0.01 |
| 7) Phenol-d6 | 6.35 | 99 | 901621 | 121.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 428320 | 65.22 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.51 | 330 | 127386 | 76.00 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 832107 | 82.16 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.79 | 244 | 643648 | 71.73 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.36 | 94 | 4732 | Below Cal | | | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 56202 | 11.87 | ng | # | 71 |
| 45) 1,1'-Biphenyl | 9.05 | 154 | 1697 | Below Cal | | # | 1 |
| 49) Dimethylphthalate | 9.45 | 163 | 135138 | 11.75 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.72 | 165 | 19910 | 5.88 | ng | # | 38 |
| 57) Fluorene | 10.27 | 166 | 782 | Below Cal | | # | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 241 | 2.31 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.51 | 248 | 8869 | 3.35 | ng | # | 1 |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 27956 | 3.43 | ng | | 99 |

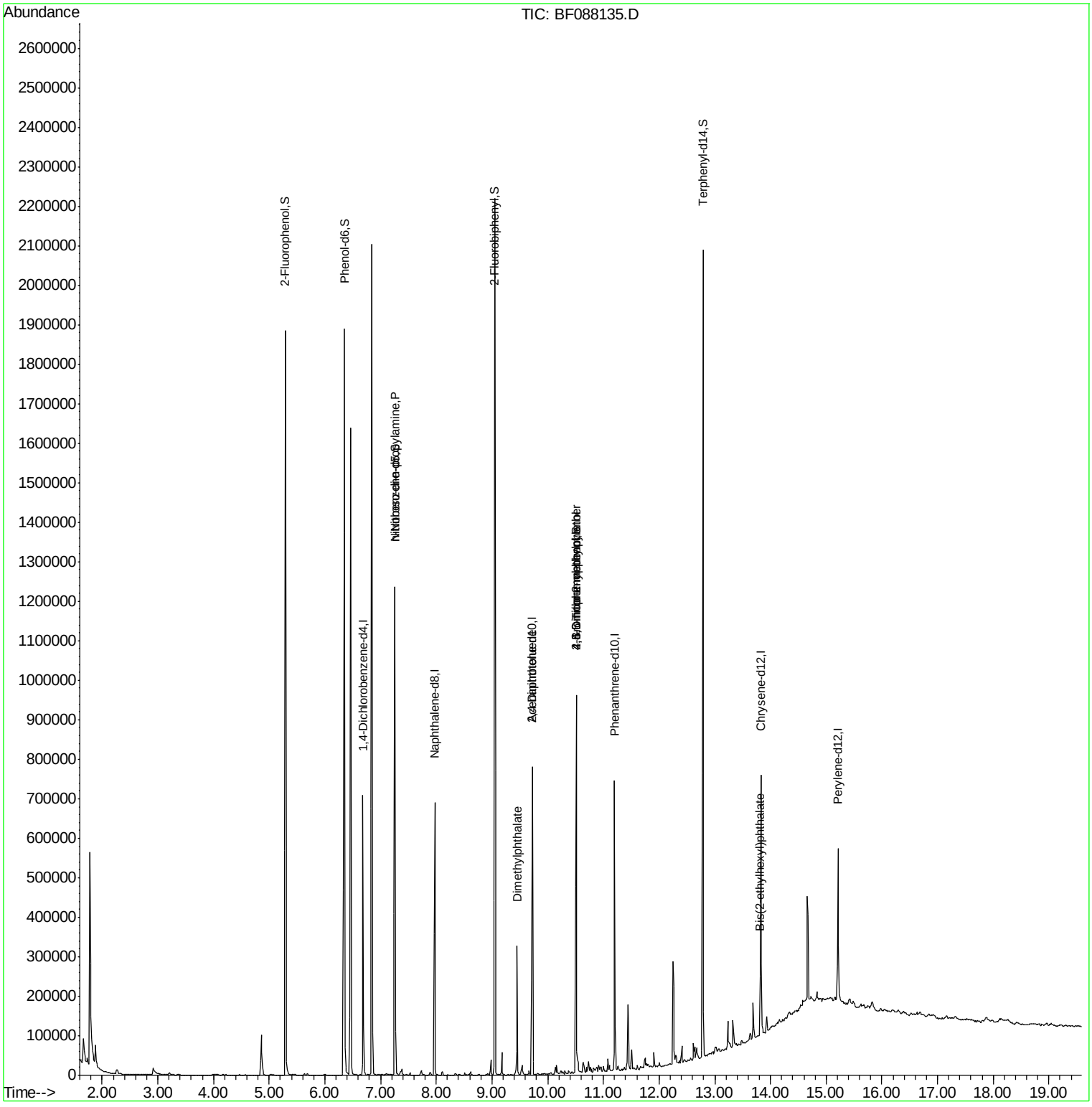
(#) = qualifier out of range (m) = manual integration (+) = signals summed

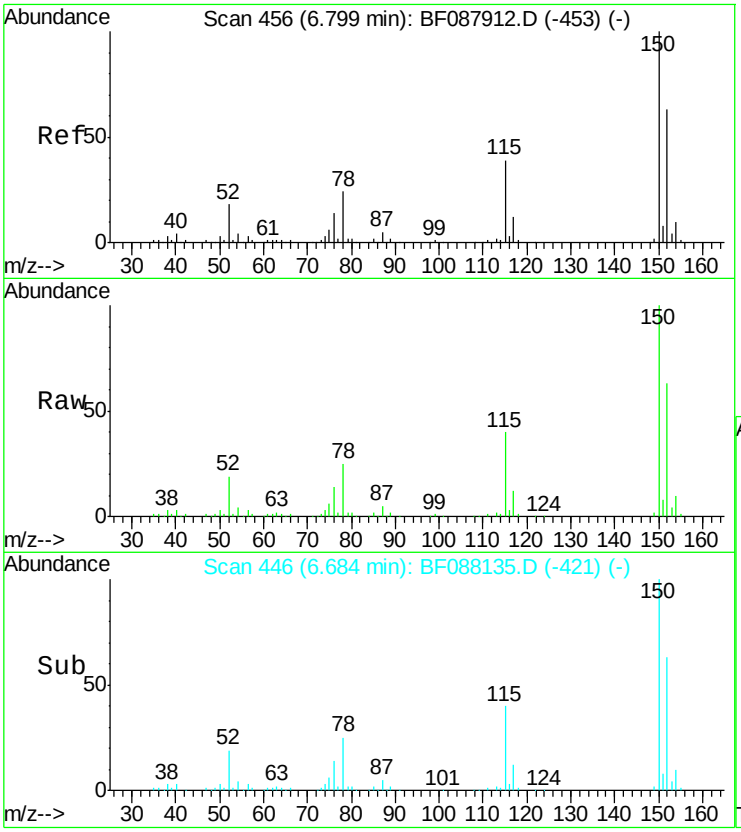
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
Data File : BF088135.D
Acq On : 18 Jun 2016 15:43
Operator : UM/SJ
Sample : H3501-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Quant Time: Jun 19 07:44:09 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 17 16:09:13 2016
Response via : Initial Calibration



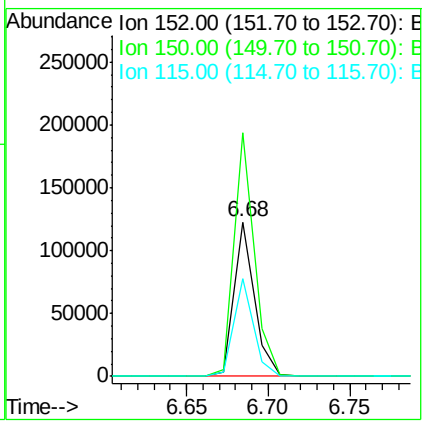


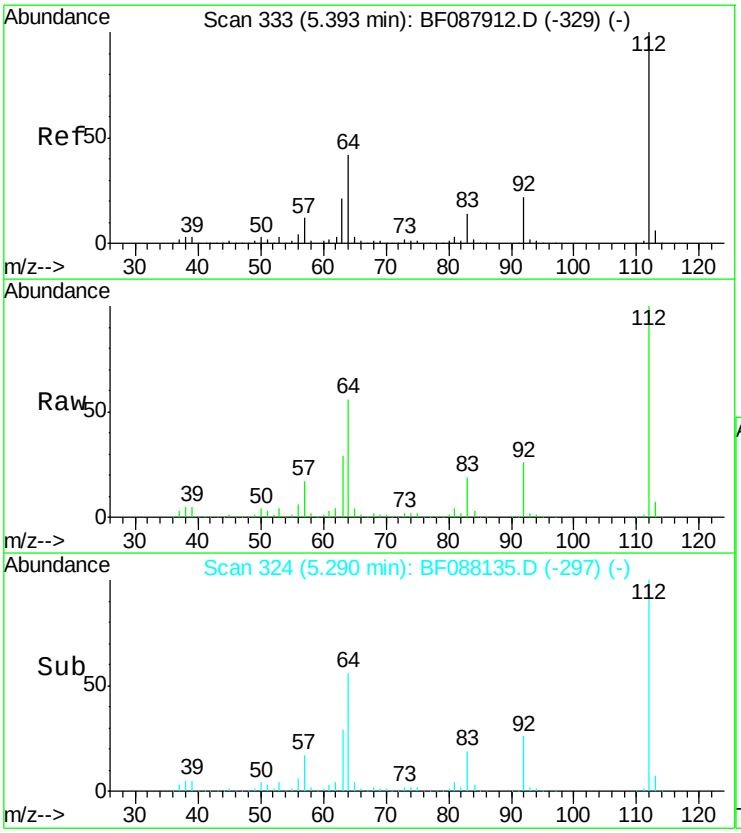

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:152 Resp: 104446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 123.8 | 185.6 |
| 115 | 63.5 | 39.6 | 59.4# |

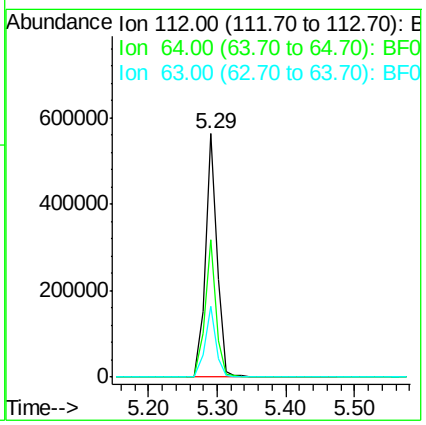


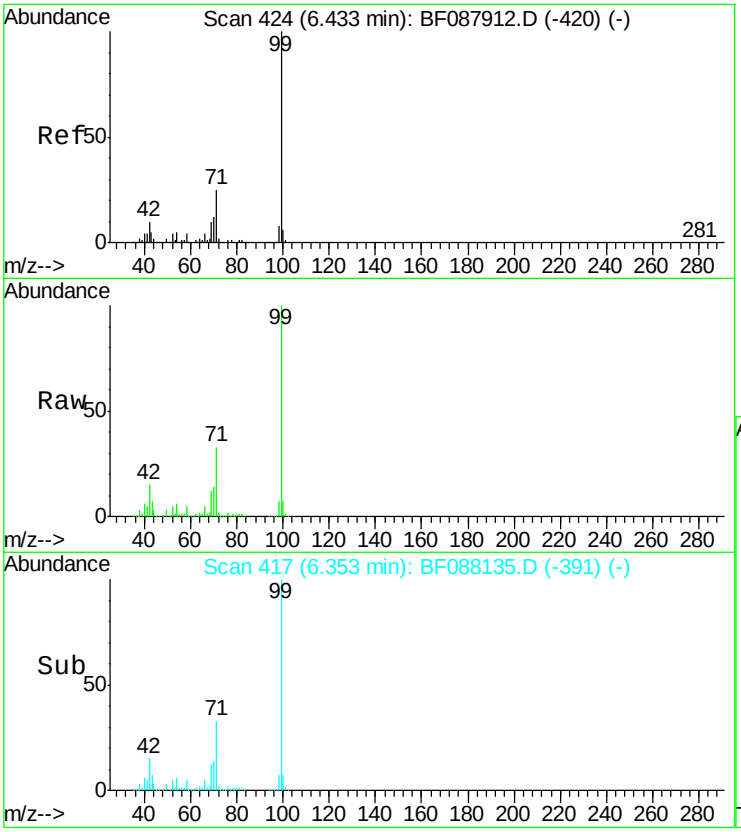




#5
2-Fluorophenol
Concen: 108.98 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:112 Resp: 665823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.2 | 42.2 | 63.2 |
| 63 | 29.1 | 21.8 | 32.8 |



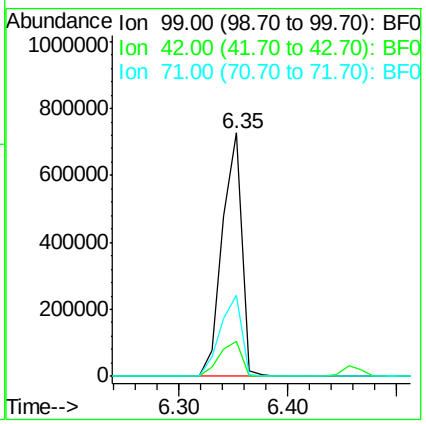


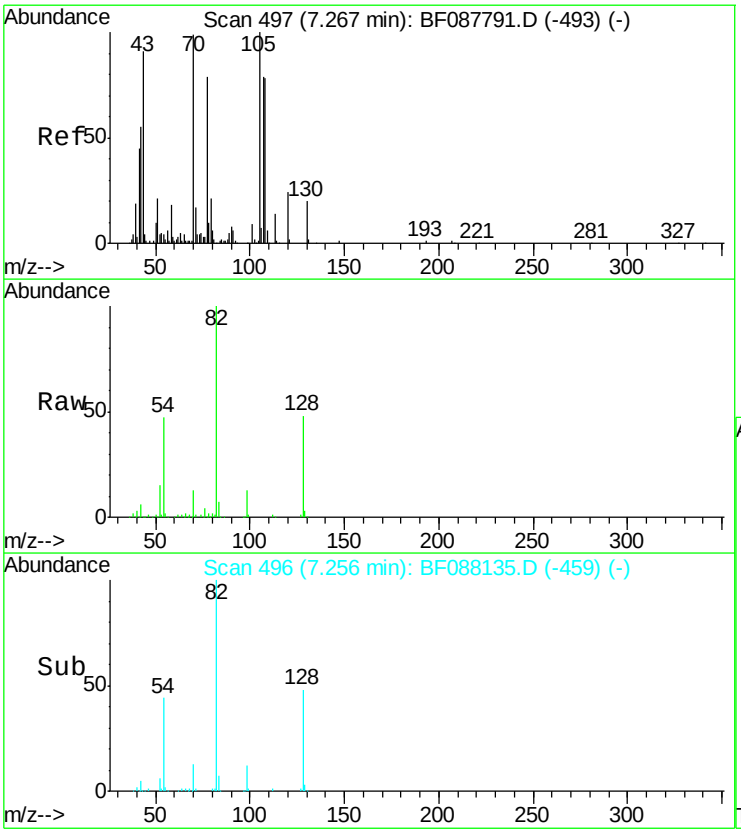

#7
Phenol-d6
Concen: 121.77 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion: 99 Resp: 901621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.5 | 12.2 | 18.2 |
| 71 | 33.4 | 23.4 | 35.0 |

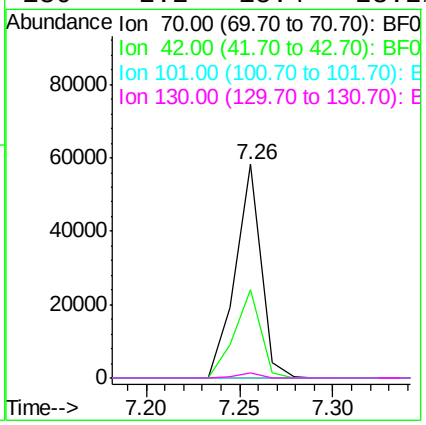


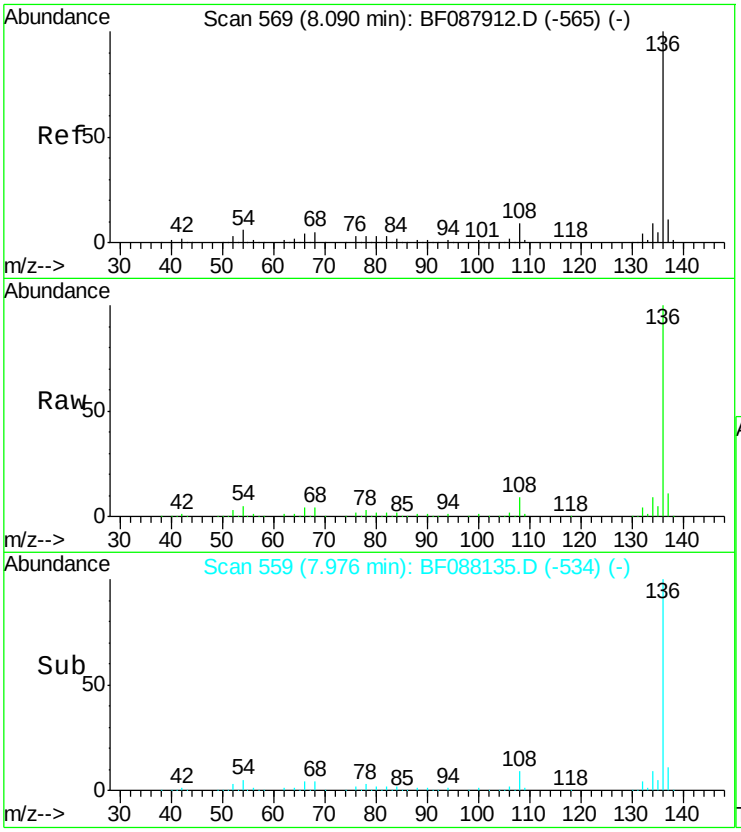




#19
n-Nitroso-di-n-propylamine
Concen: 11.87 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.13 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion: 70 Resp: 56202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.3 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.2 | 15.4 | 23.2# |



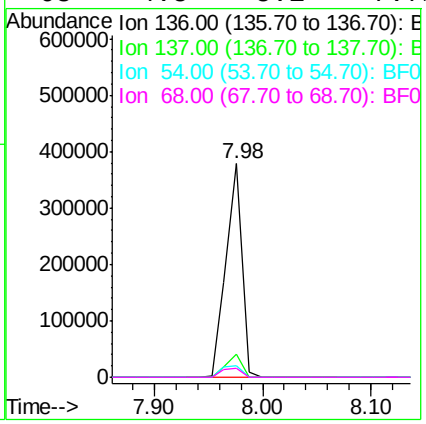


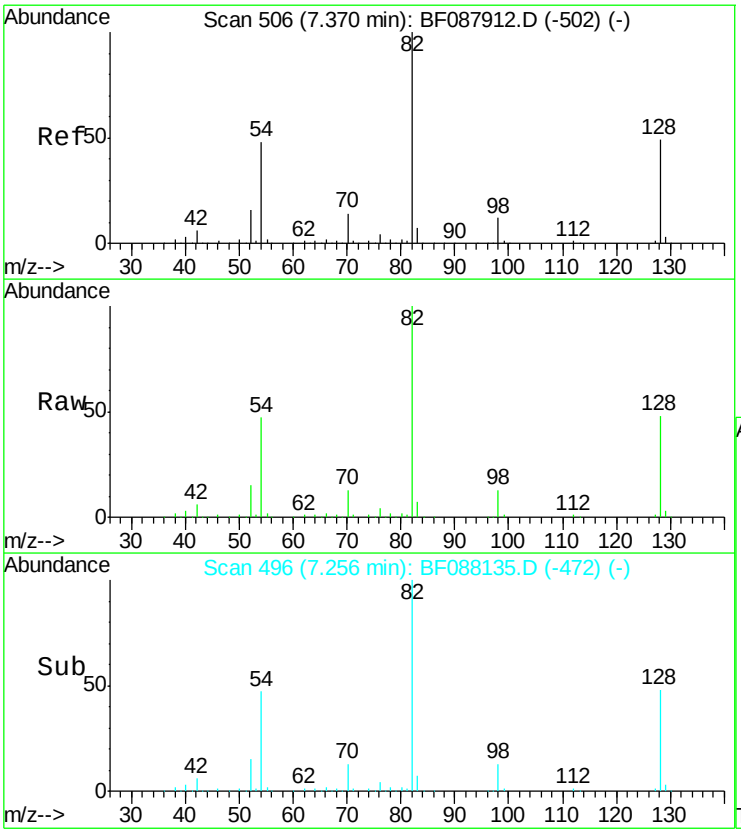

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:136 Resp: 383519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.1 | 13.7 |
| 54 | 5.1 | 6.6 | 10.0# |
| 68 | 4.5 | 5.1 | 7.7# |

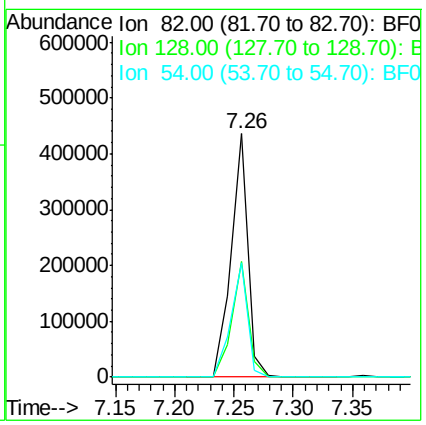


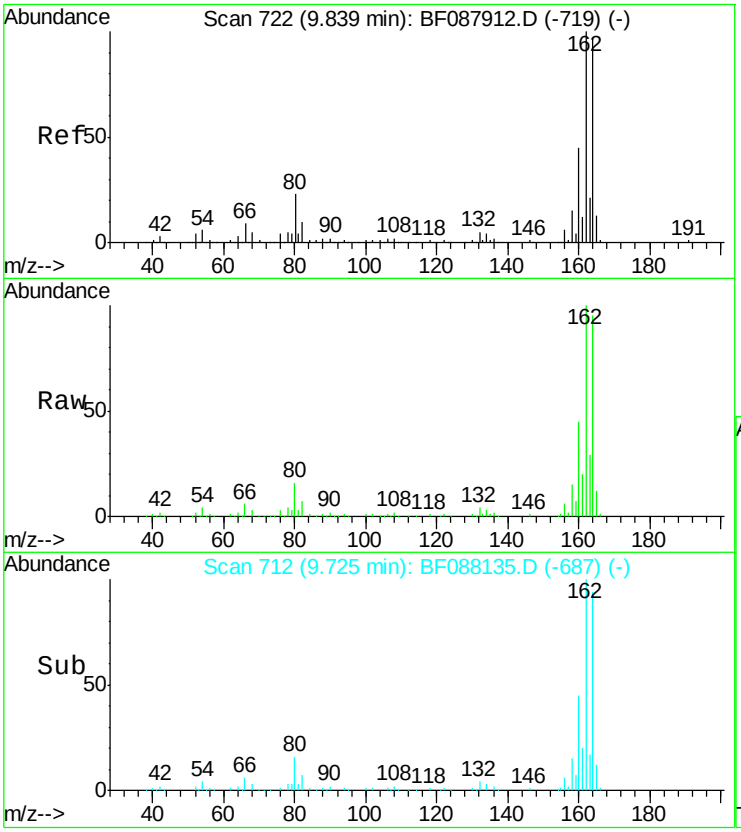




#23
Nitrobenzene-d5
Concen: 65.22 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion: 82 Resp: 428320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 35.9 | 53.9 |
| 54 | 46.8 | 40.9 | 61.3 |



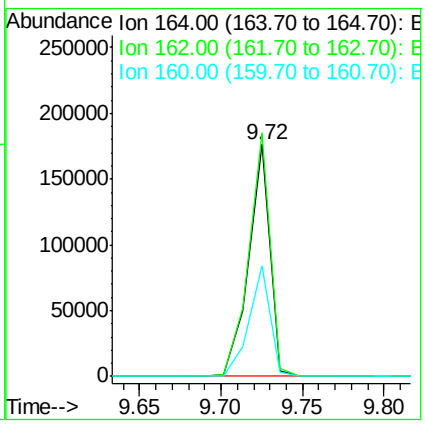


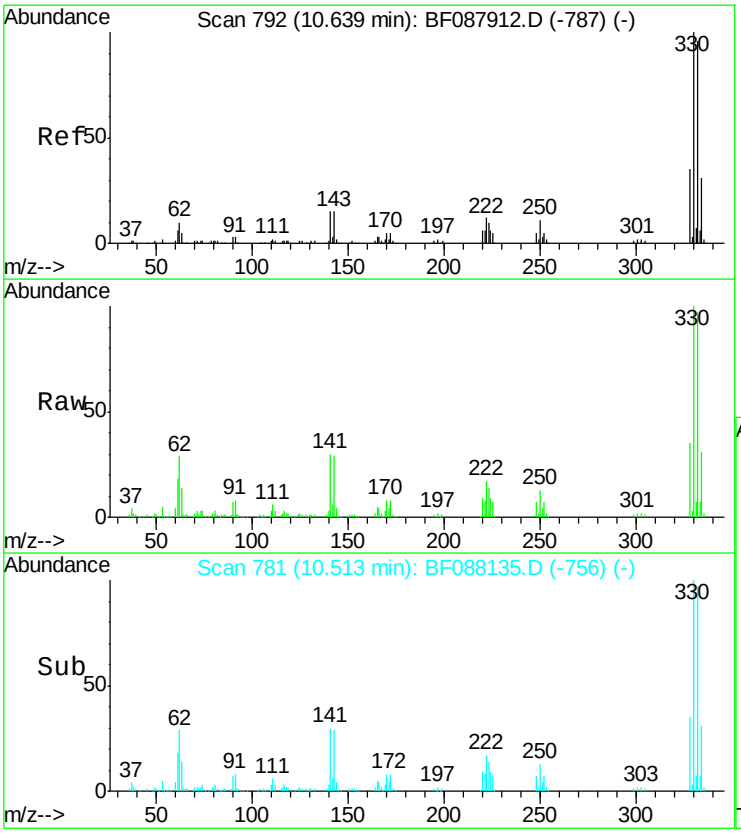

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:164 Resp: 158743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.1 | 85.4 | 128.2 |
| 160 | 47.7 | 39.5 | 59.3 |

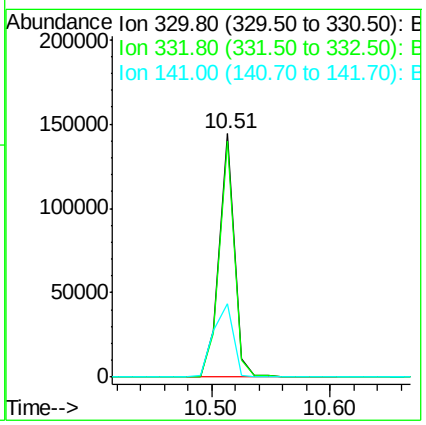


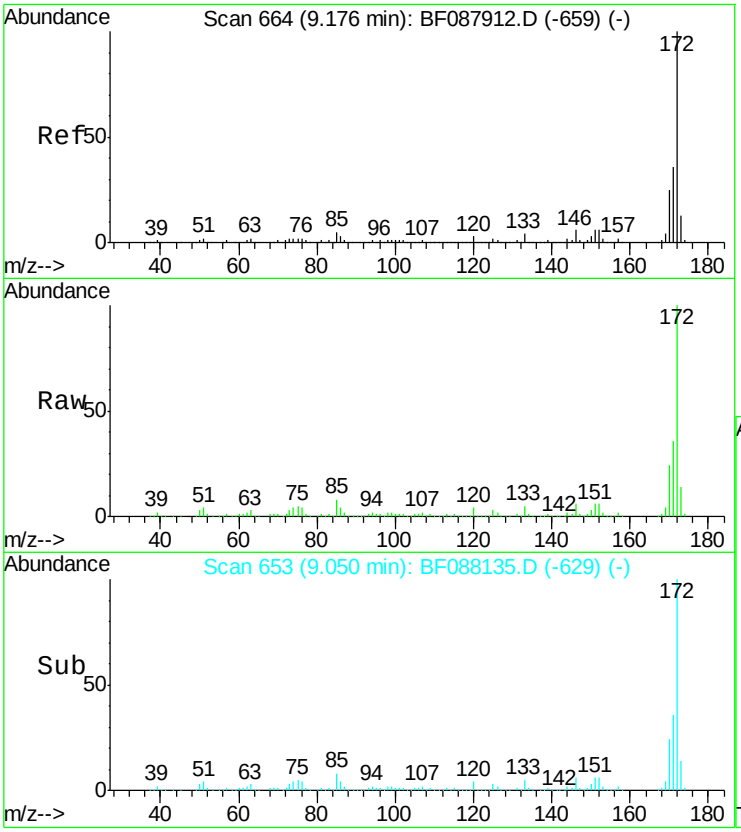




#41
2,4,6-Tribromophenol
Concen: 76.00 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:330 Resp: 127386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 0.0 | 0.0# |
| 141 | 39.4 | 0.0 | 0.0# |



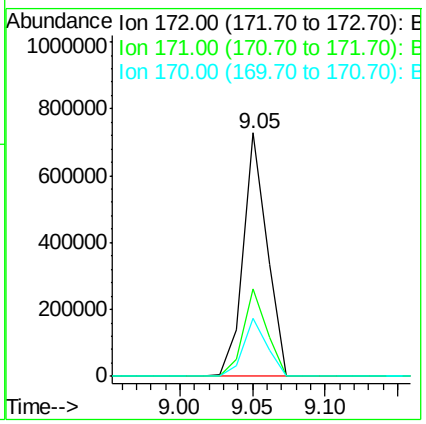


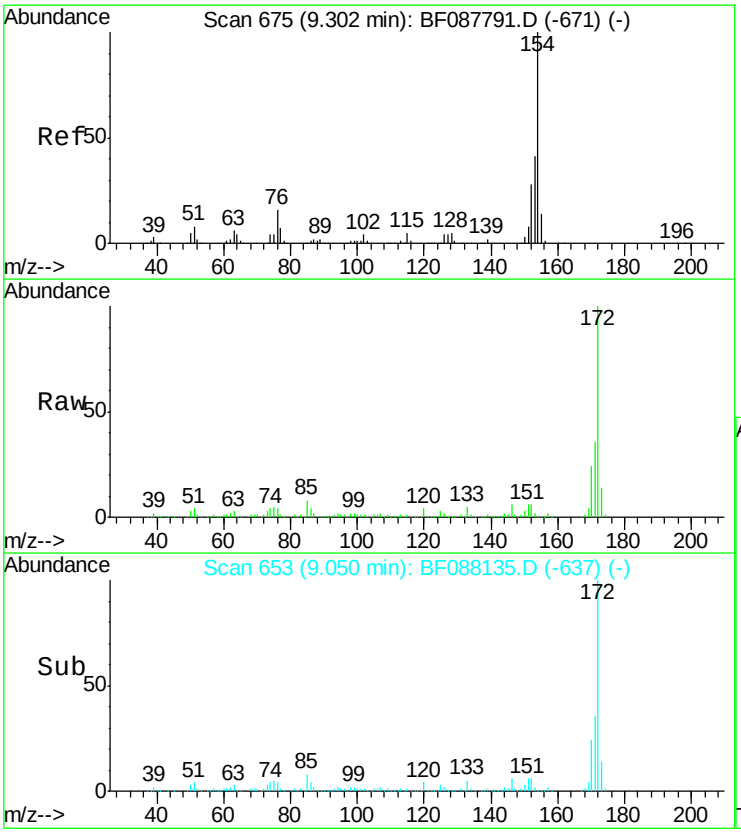

#44
2-Fluorobiphenyl
Concen: 82.16 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:172 Resp: 832107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.6 | 43.0 |
| 170 | 23.9 | 19.2 | 28.8 |

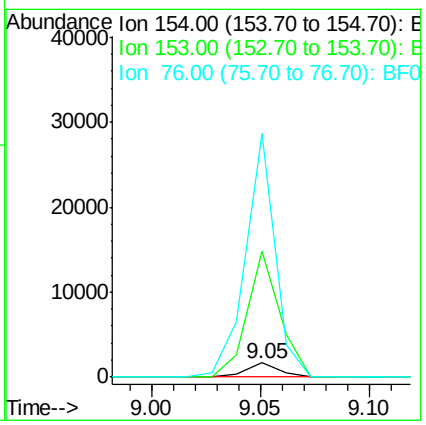


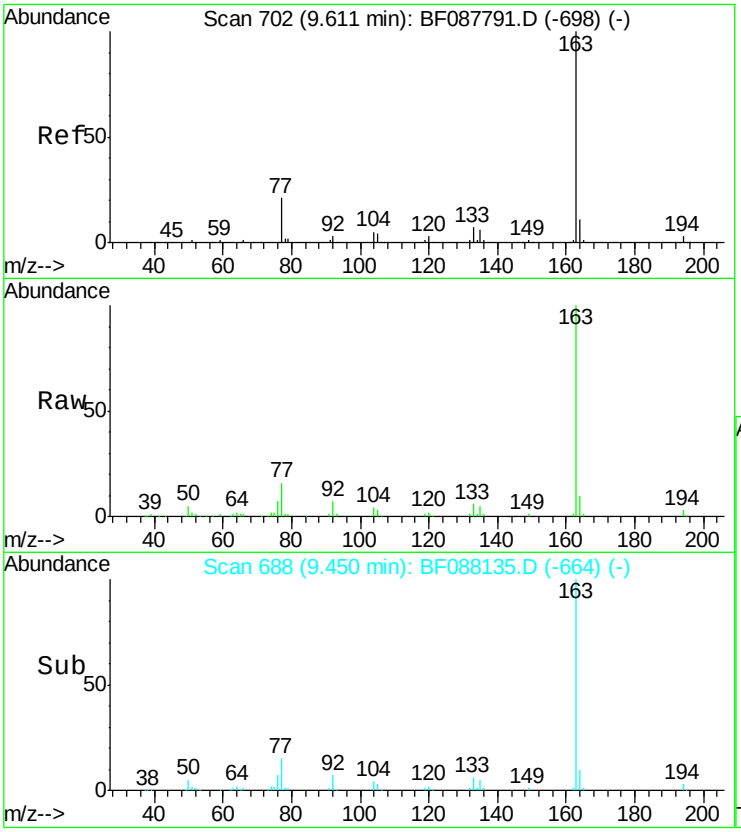




#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.05 min Scan# 653
Delta R.T. -0.11 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:154 Resp: 1697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 881.6 | 20.6 | 60.6# |
| 76 | 1709.8 | 0.0 | 35.1# |



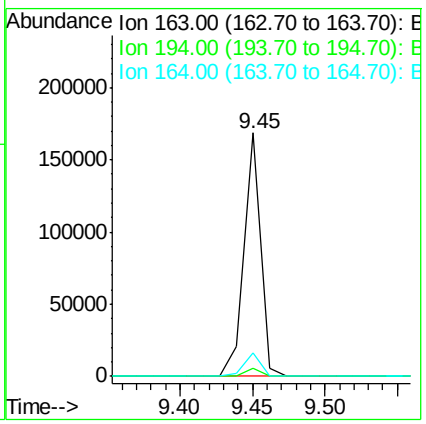


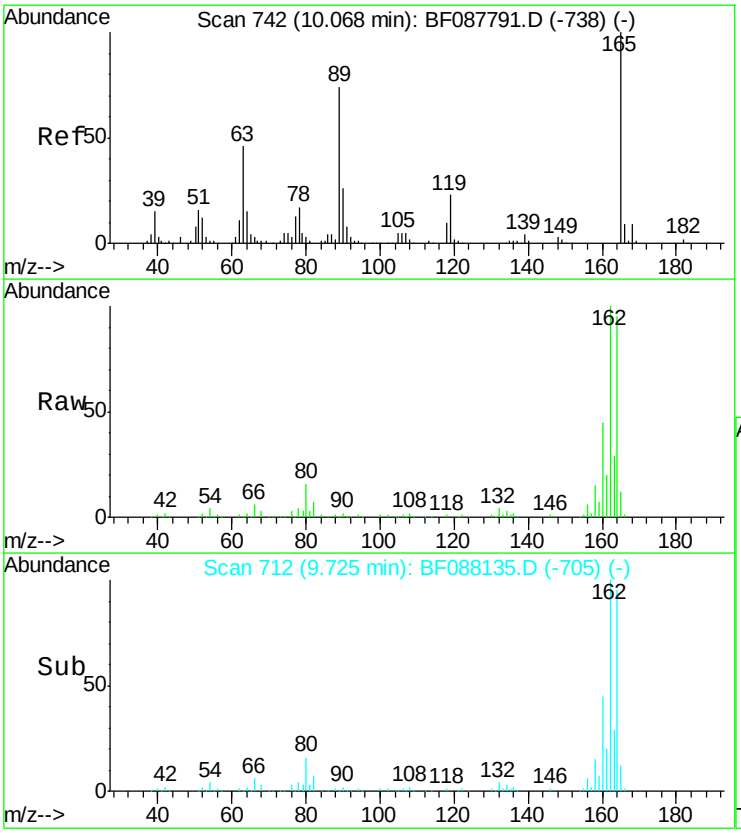

#49
Dimethylphthalate
Concen: 11.75 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:163 Resp: 135138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.8 | 4.2 |
| 164 | 9.8 | 8.3 | 12.5 |

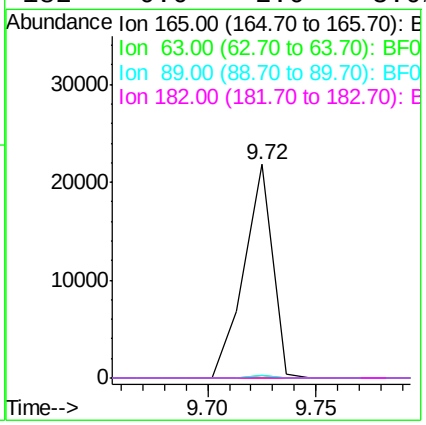


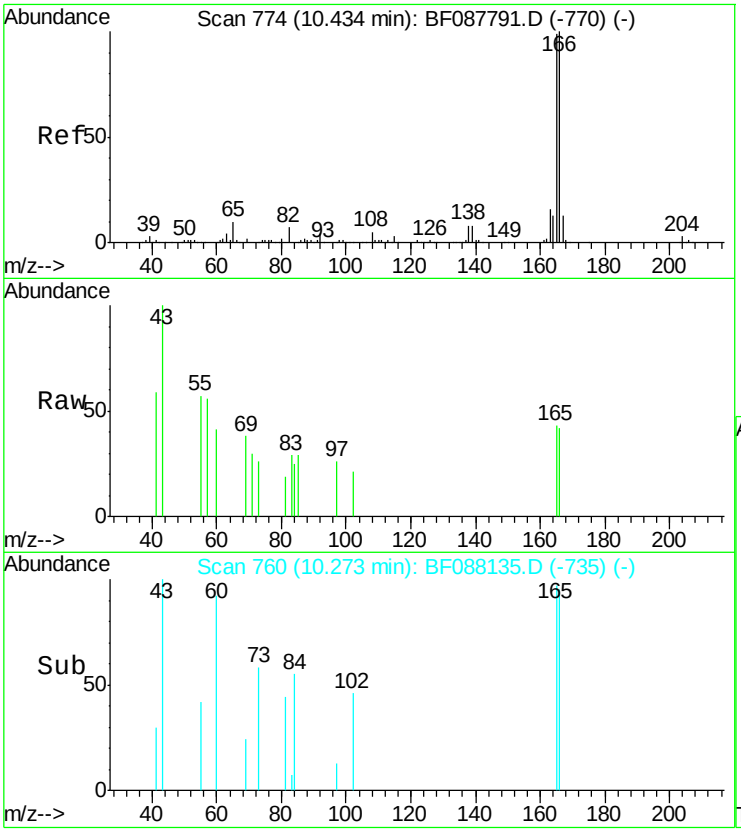




#56
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:165 Resp: 19910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 22.0 | 33.0# |
| 89 | 1.5 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |



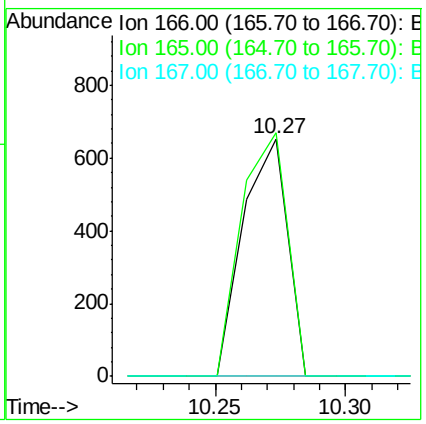


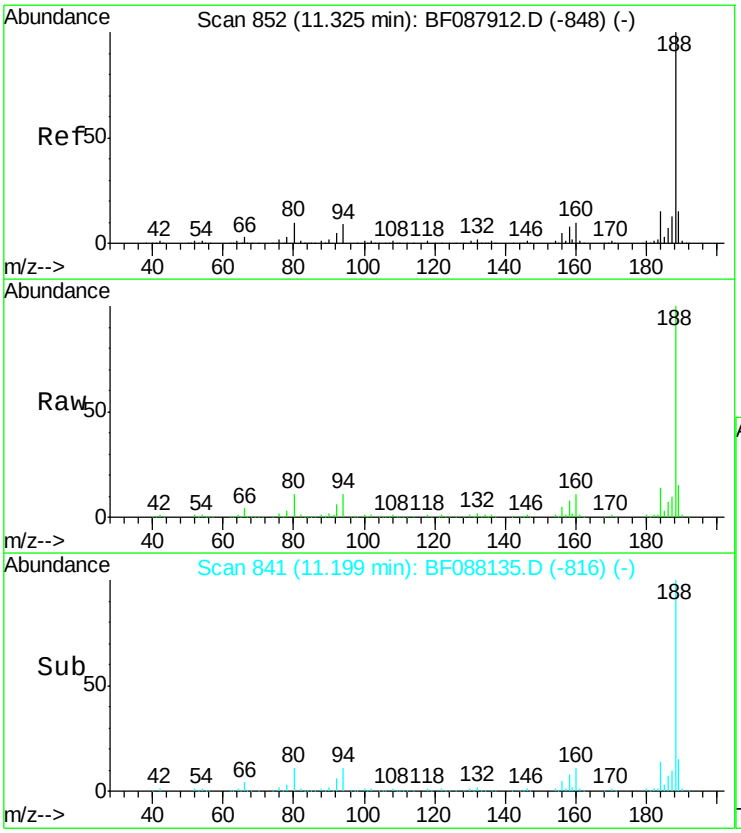

#57
Fluorene
Concen: Below Cal
RT: 10.27 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:166 Resp: 782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.5 | 77.8 | 116.8 |
| 167 | 0.0 | 11.2 | 16.8# |

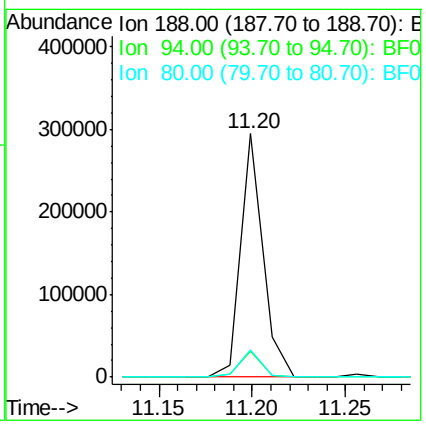


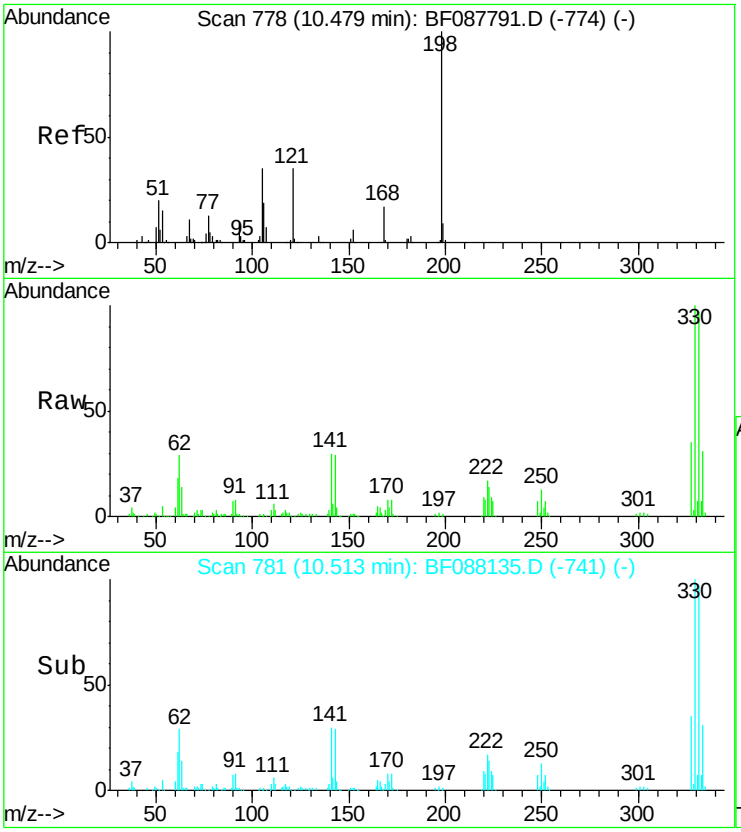




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:188 Resp: 246949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 9.0 | 13.6 |
| 80 | 11.2 | 10.0 | 15.0 |



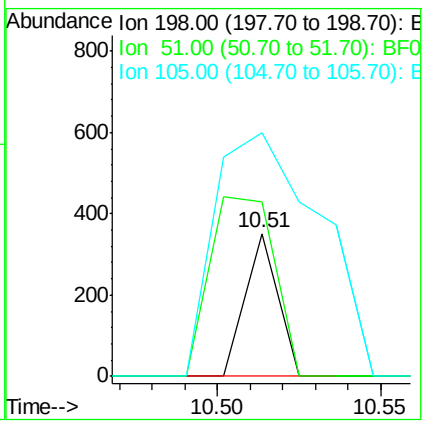


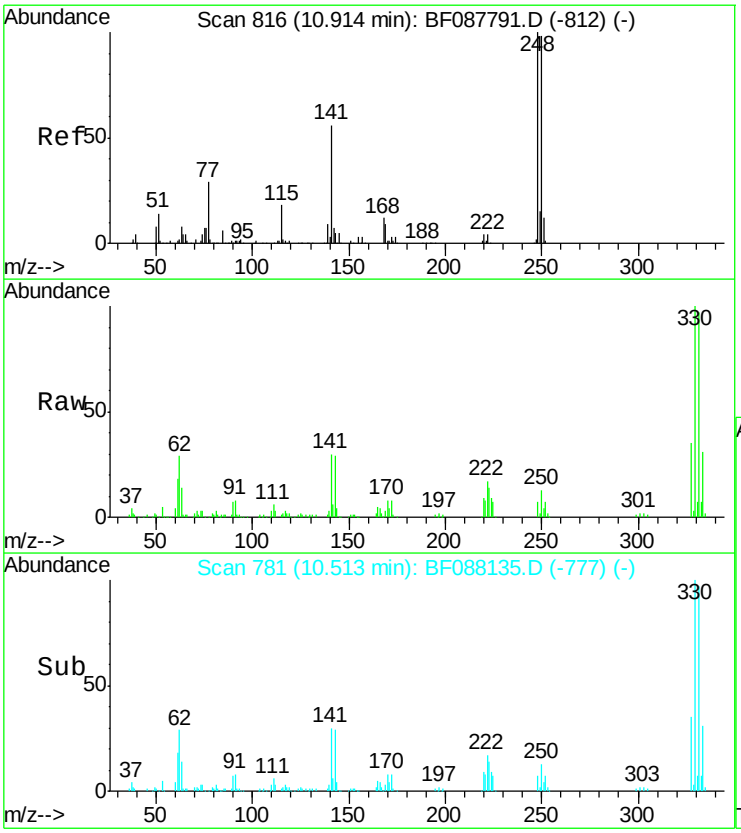

#64
4,6-Dinitro-2-methylphenol
Concen: 2.31 ng
RT: 10.51 min Scan# 781
Delta R.T. 0.16 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:198 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 122.5 | 39.6 | 79.6# |
| 105 | 170.7 | 36.6 | 76.6# |

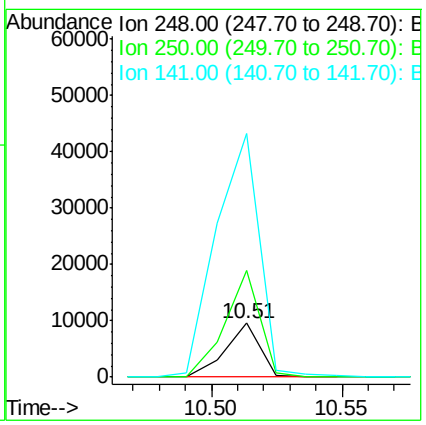


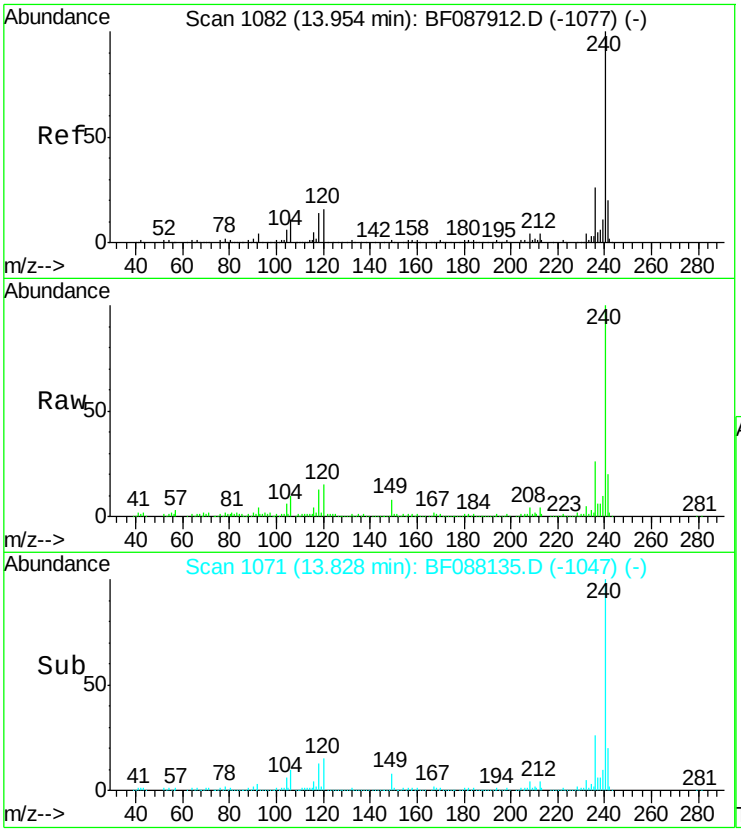




#66
4-Bromophenyl-phenylether
Concen: 3.35 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:248 Resp: 8869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.4 | 77.1 | 115.7# |
| 141 | 452.6 | 50.6 | 76.0# |



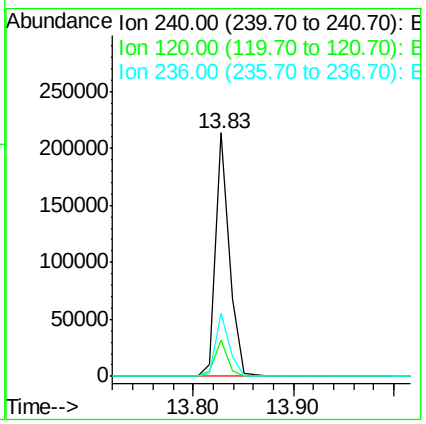


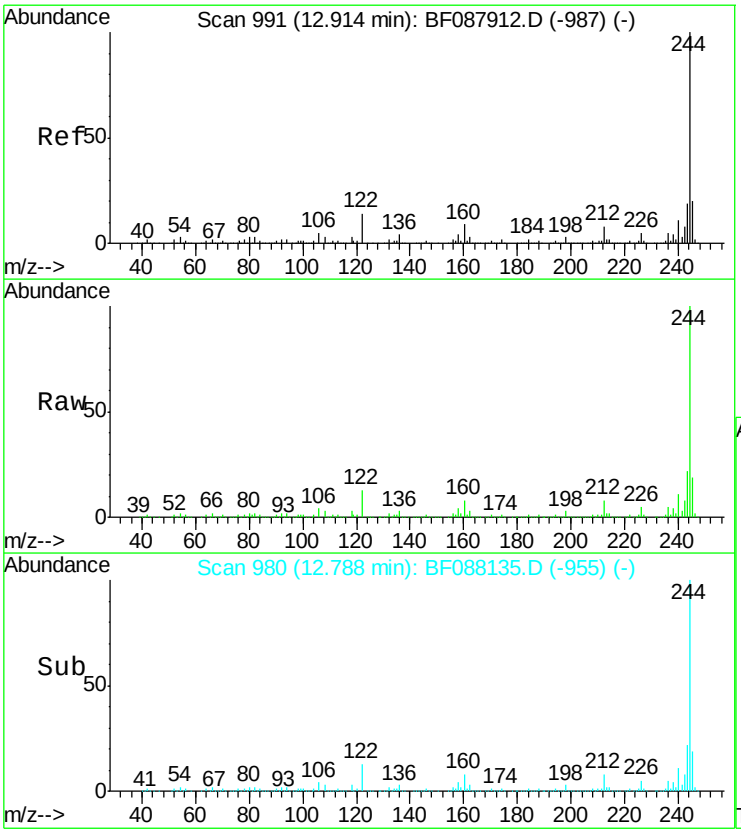

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:240 Resp: 204184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.1 | 6.8 | 10.2# |
| 236 | 25.7 | 20.2 | 30.2 |

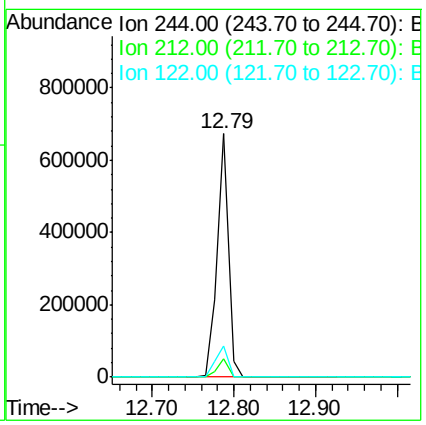


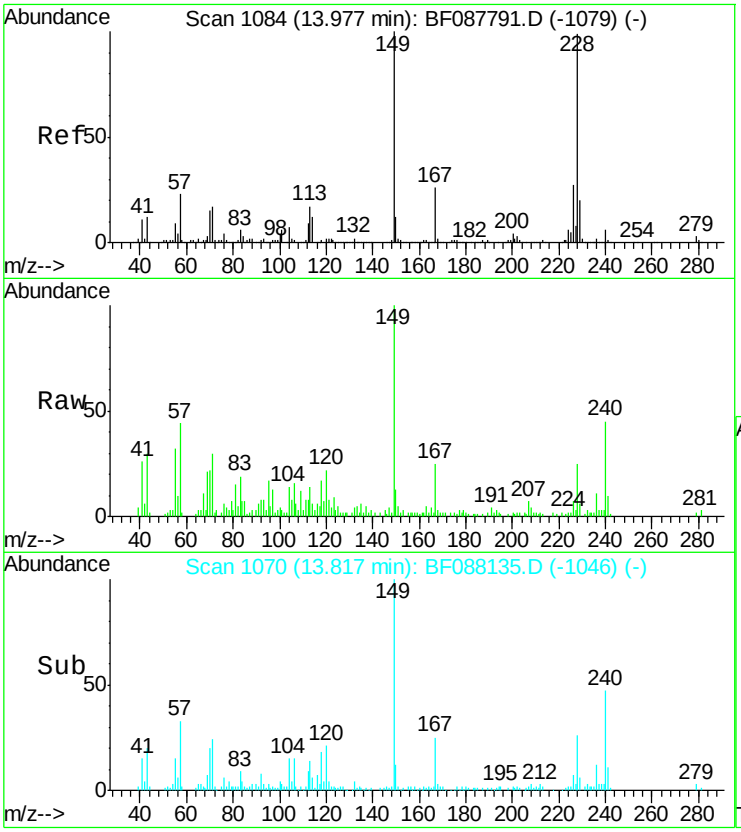




#78
Terphenyl-d14
Concen: 71.73 ng
RT: 12.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:244 Resp: 643648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 12.9 | 11.2 | 16.8 |



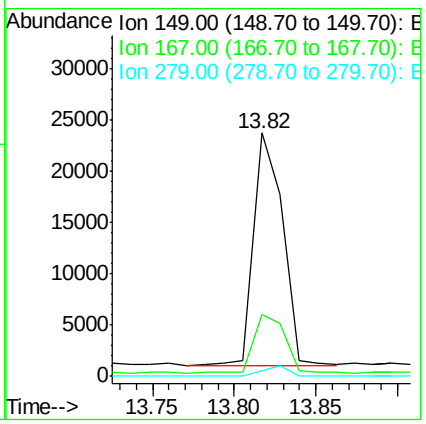


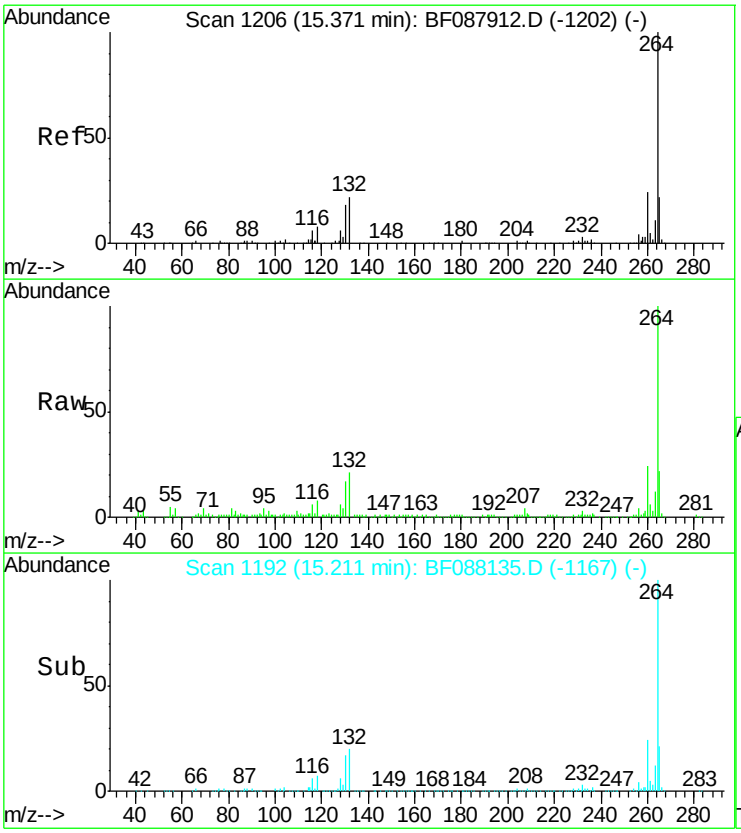

#83
Bis(2-ethylhexyl)phthalate
Concen: 3.43 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

**Instrument :**
BNA_F
**ClientSampleId :**
SED2-0-6

Tgt Ion:149 Resp: 27956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.3 | 20.5 | 30.7 |
| 279 | 2.4 | 2.0 | 3.0 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF088135.D
Acq: 18 Jun 2016 15:43

Tgt Ion:264 Resp: 159840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.2 | 28.8 |
| 265 | 21.7 | 16.9 | 25.3 |