Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092558.D
Acq On : 27 Jan 2017 6:32
Operator : SJ/MA
Sample : I1364-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-26

Quant Time: Jan 27 07:00:01 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 180424 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 699271 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 10.03 | 164 | 411923 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 645149 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.16 | 240 | 497419 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.64 | 264 | 371203 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 716977 | 61.83 | ng | 0.02 |
| 7) Phenol-d6 | 6.59 | 99 | 537058 | 36.36 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1121775 | 87.63 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.83 | 330 | 362100 | 128.99 | ng | 0.01 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1721225 | 77.27 | ng | -0.01 |
| 78) Terphenyl-d14 | 13.10 | 244 | 1728282 | 92.52 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.54 | 70 | 151737 | 15.08 | ng | # 81 |
| 25) Isophorone | 7.54 | 82 | 1078030 | 42.73 | ng | # 65 |
| 32) Benzoic acid | 8.04 | 122 | 264 | 4.72 | ng | # 82 |
| 50) 2,6-Dinitrotoluene | 10.03 | 165 | 52397 | 9.79 | ng | # 31 |
| 51) Acenaphthene | 10.06 | 154 | 47854 | 2.16 | ng | 95 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 52675 | 7.41 | ng | # 20 |
| 64) 4,6-Dinitro-2-methylphenol | 10.82 | 198 | 635 | 5.11 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 24939 | 3.83 | ng | # 1 |

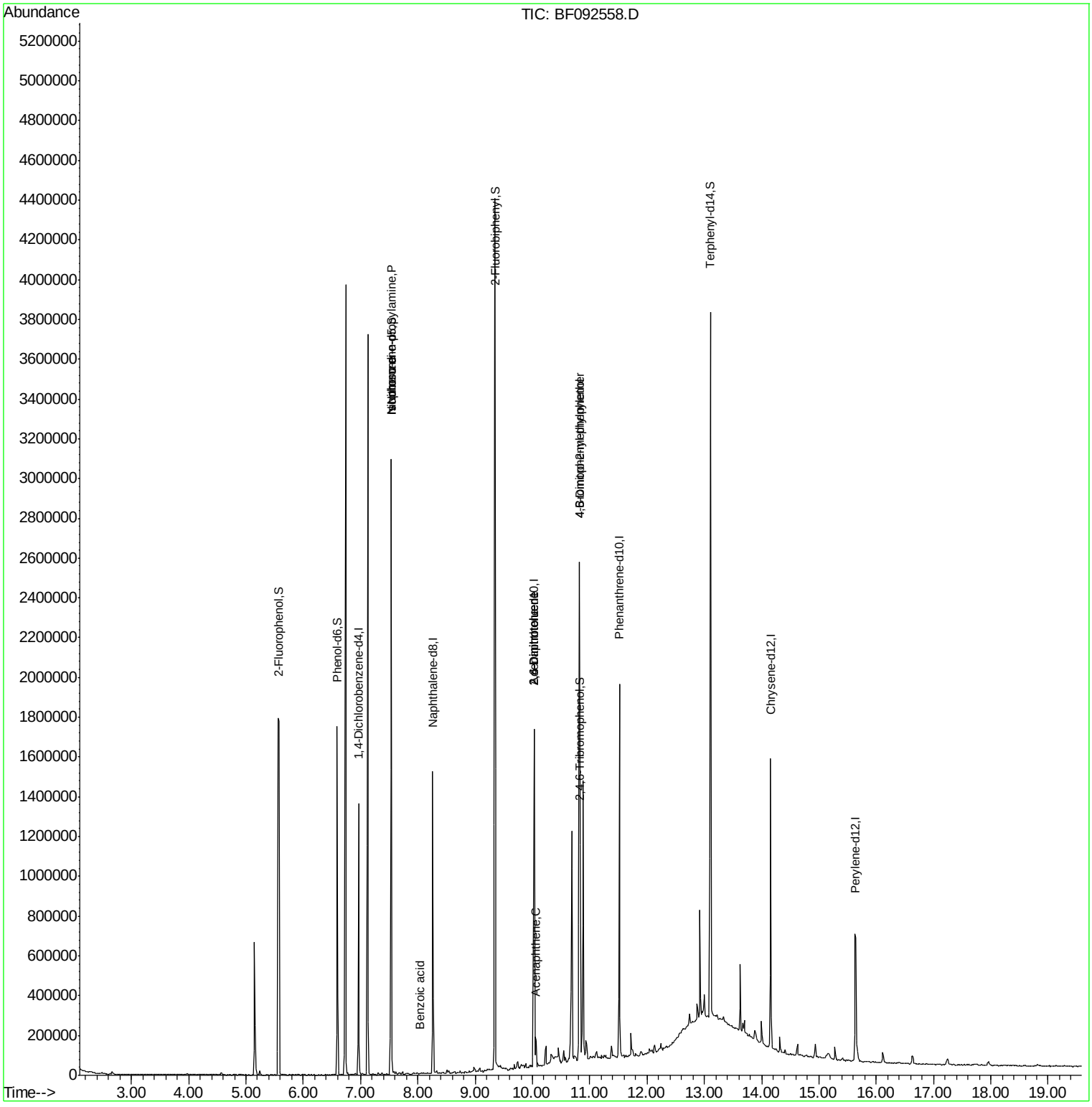
(#) = qualifier out of range (m) = manual integration (+) = signals summed

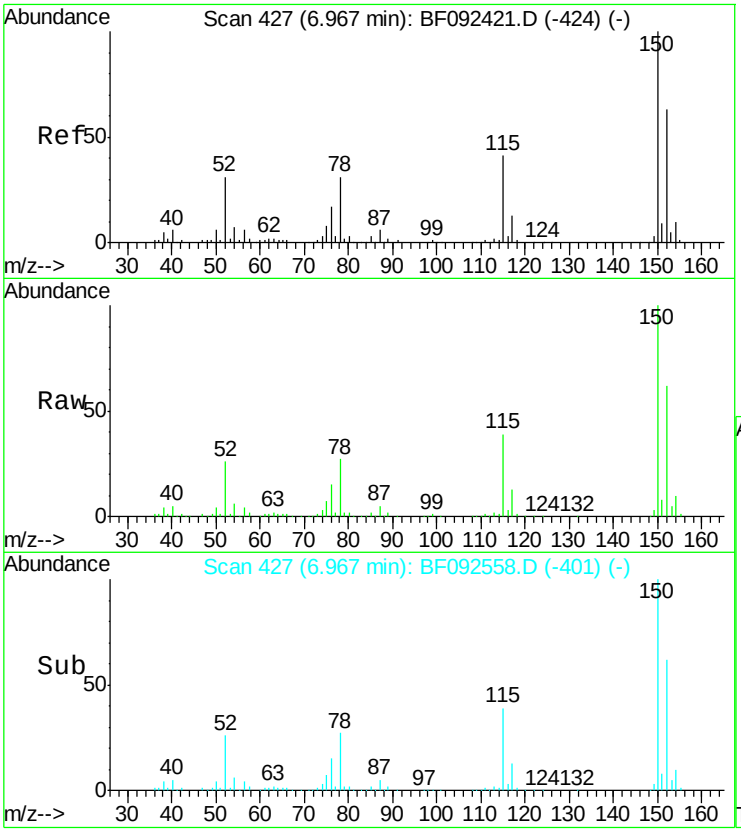
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092558.D
Acq On : 27 Jan 2017 6:32
Operator : SJ/MA
Sample : I1364-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-26

Quant Time: Jan 27 07:00:01 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration



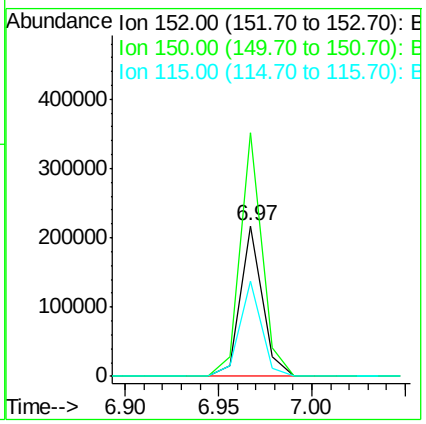


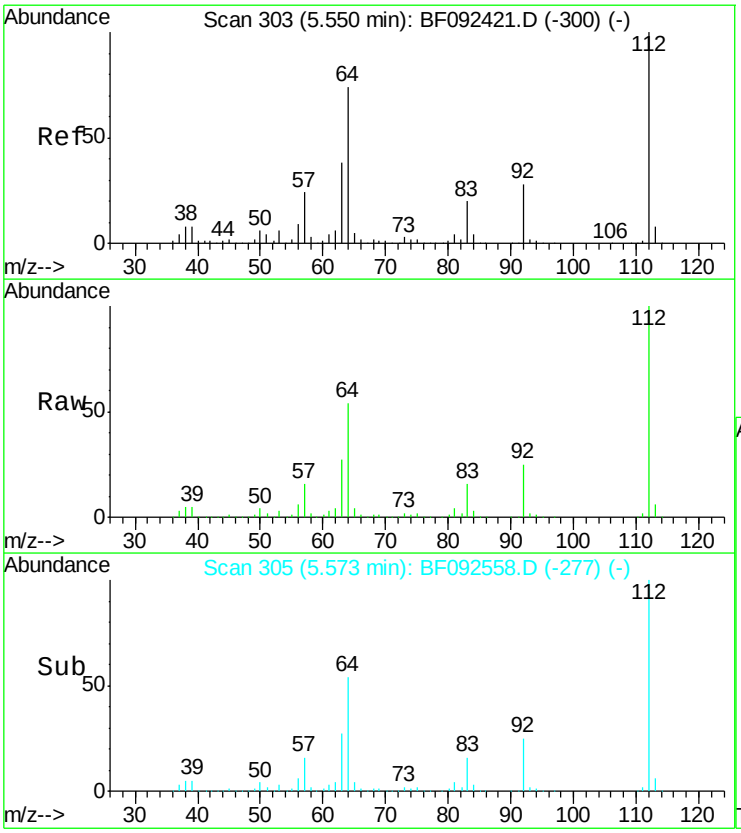

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:152 Resp: 180424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.5 | 124.9 | 187.3 |
| 115 | 63.1 | 46.0 | 69.0 |

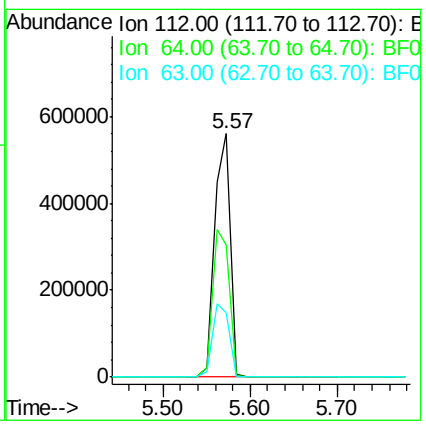


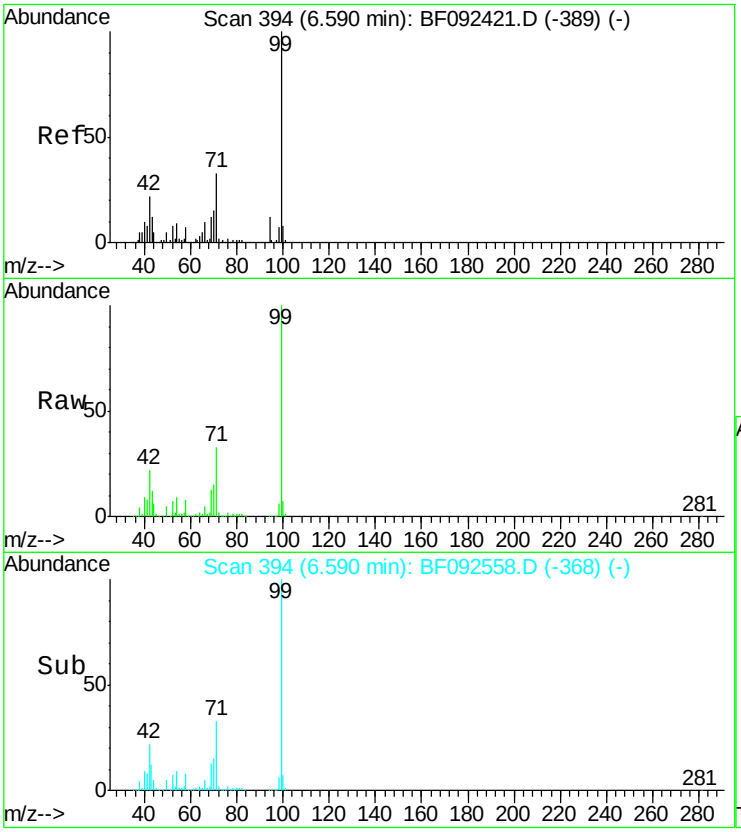




#5
2-Fluorophenol
Concen: 61.83 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:112 Resp: 716977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.1 | 46.1 | 69.1 |
| 63 | 26.6 | 23.8 | 35.6 |



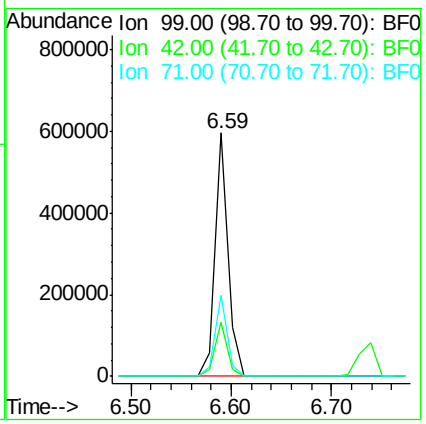


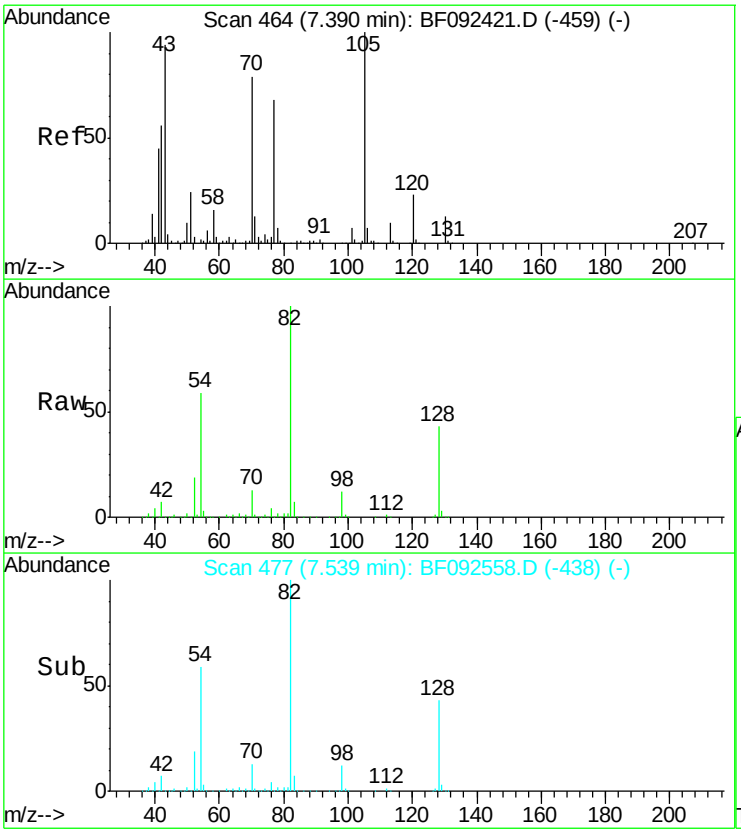

#7
Phenol-d6
Concen: 36.36 ng
RT: 6.59 min Scan# 394
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion: 99 Resp: 537058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.4 | 15.6 | 23.4 |
| 71 | 33.1 | 27.5 | 41.3 |

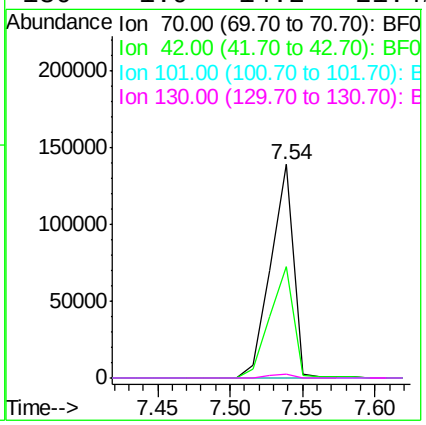


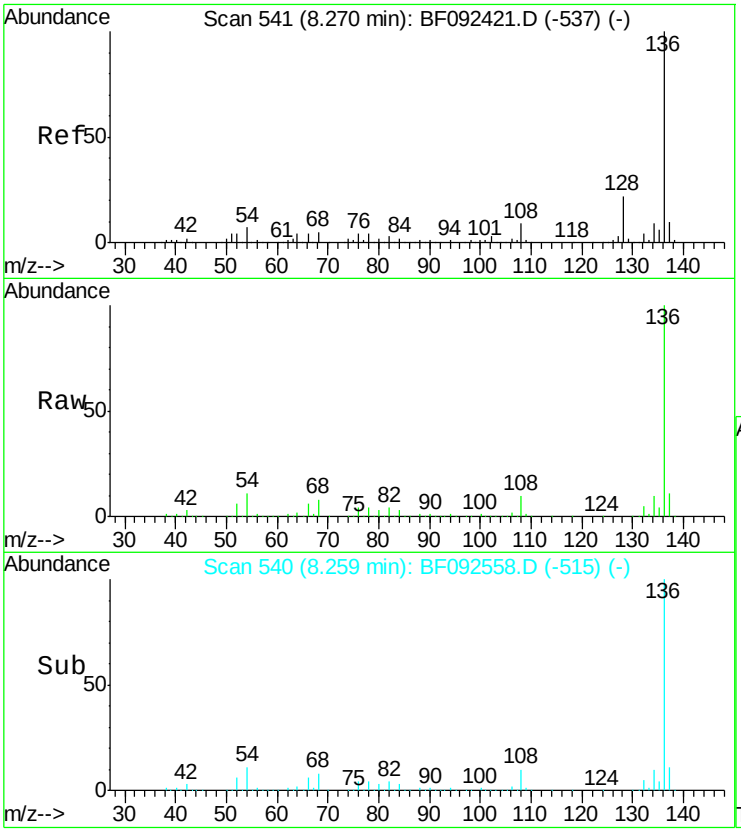




#19
n-Nitroso-di-n-propylamine
Concen: 15.08 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.15 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion: 70 Resp: 151737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.1 | 49.4 | 74.0 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 14.2 | 21.4# |



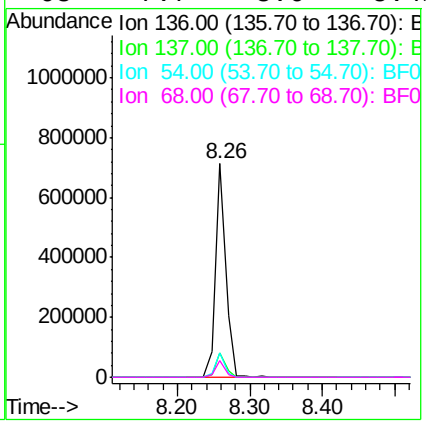


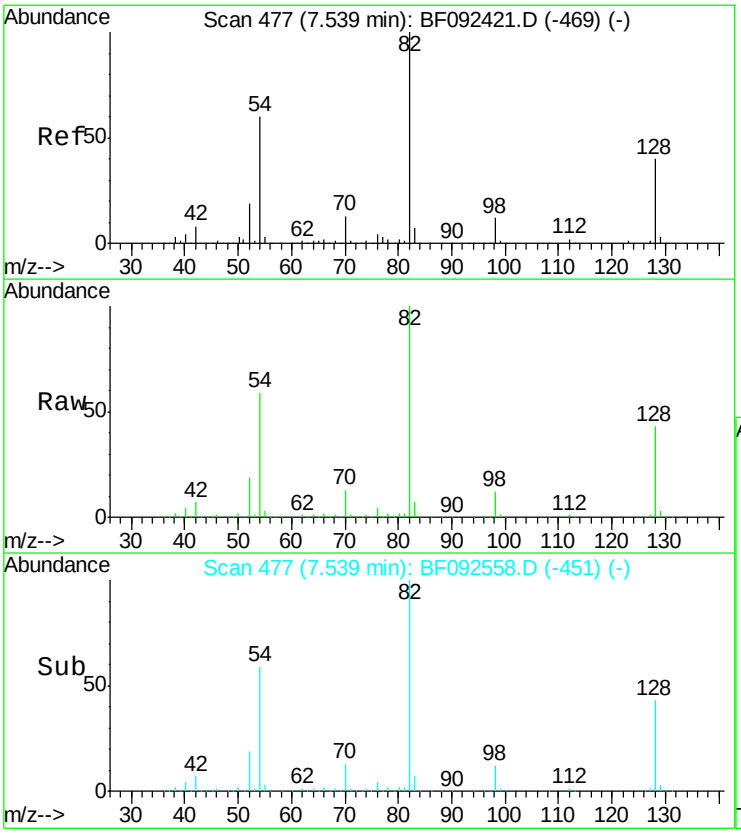

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:136 Resp: 699271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.4 | 12.6 |
| 54 | 11.4 | 4.5 | 6.7# |
| 68 | 7.7 | 3.6 | 5.4# |

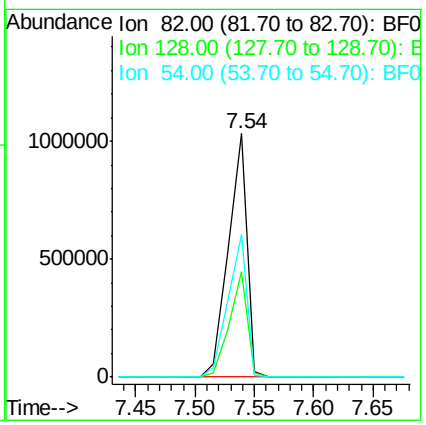


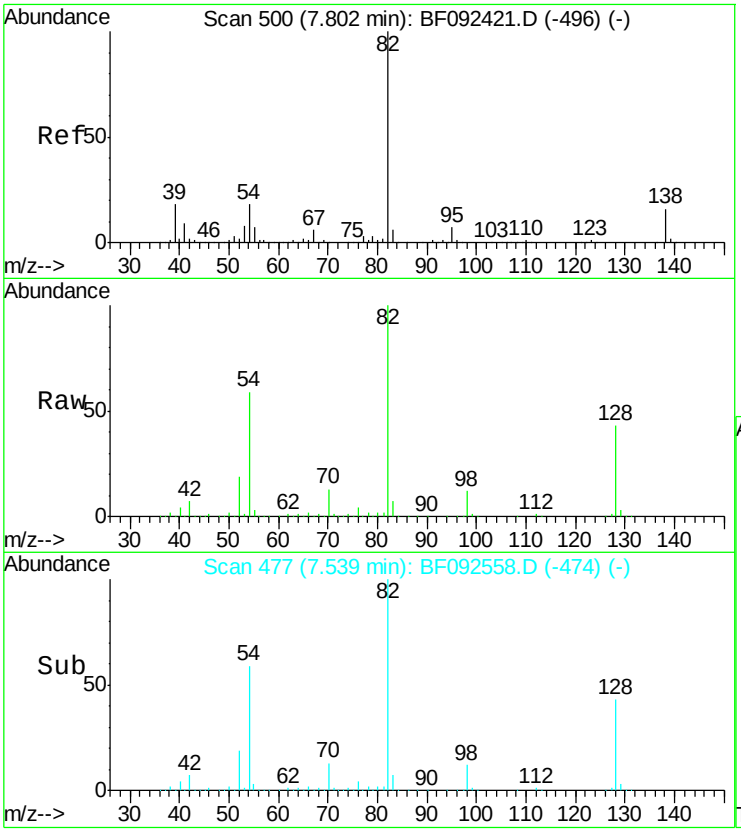




#23
Nitrobenzene-d5
Concen: 87.63 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion: 82 Resp: 1121775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 34.6 | 52.0 |
| 54 | 58.8 | 39.5 | 59.3 |



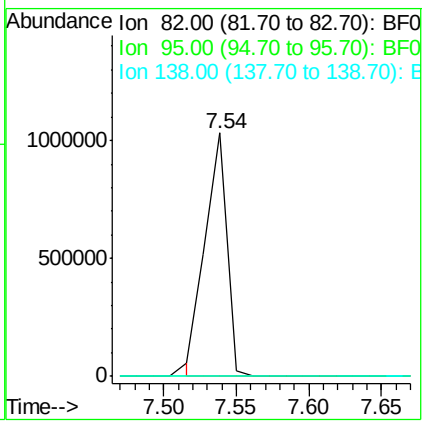


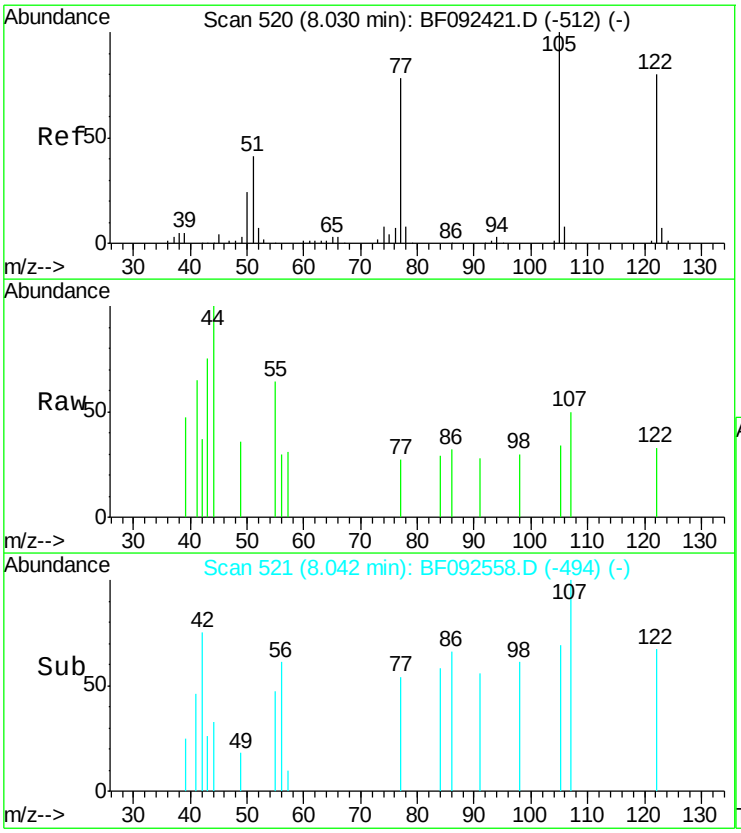

#25
Isophorone
Concen: 42.73 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.26 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion: 82 Resp: 1078030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |

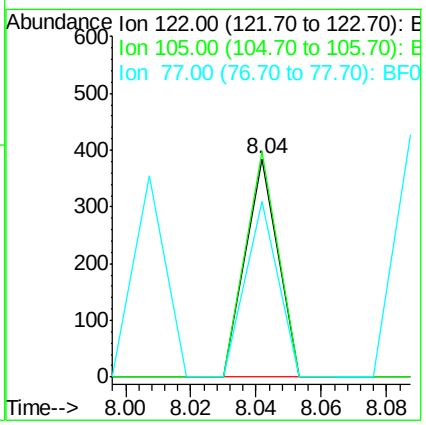


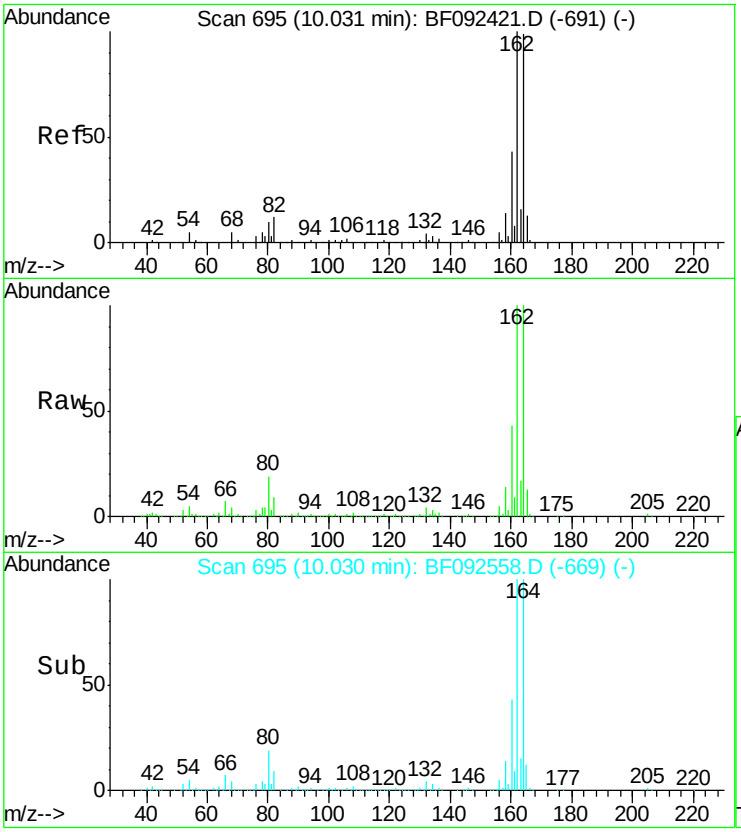




#32
Benzoic acid
Concen: 4.72 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:122 Resp: 264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 103.1 | 107.2 | 147.2# |
| 77 | 80.5 | 74.5 | 114.5 |



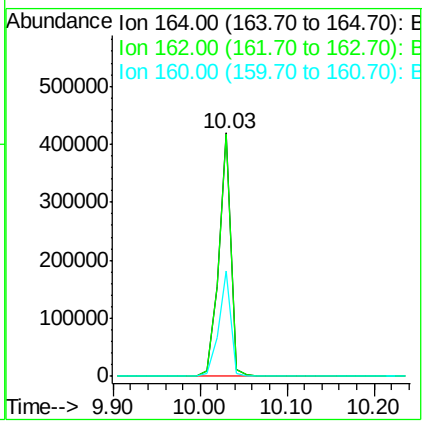


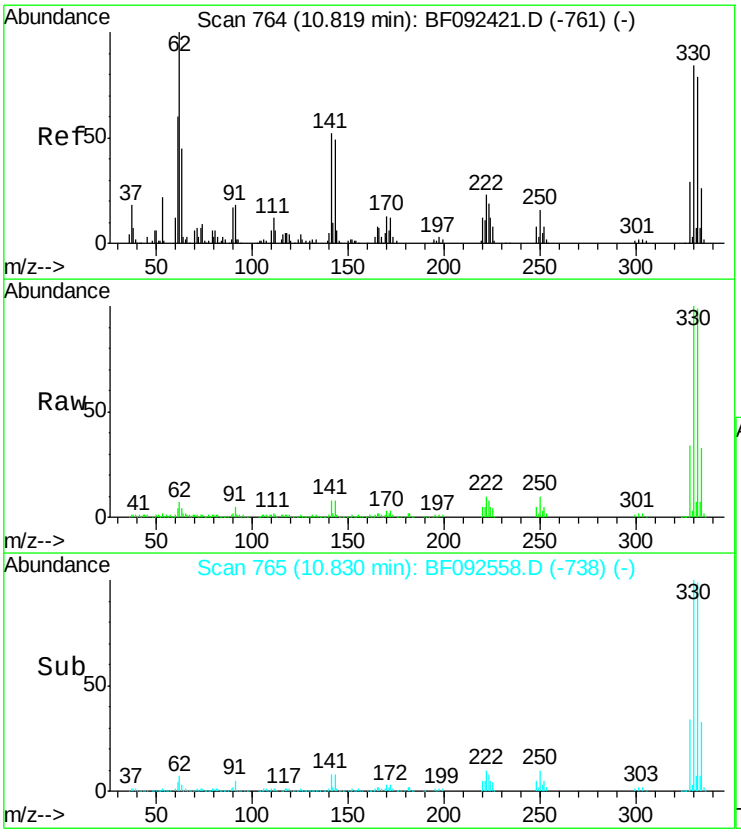

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:164 Resp: 411923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 80.2 | 120.2 |
| 160 | 43.1 | 36.9 | 55.3 |

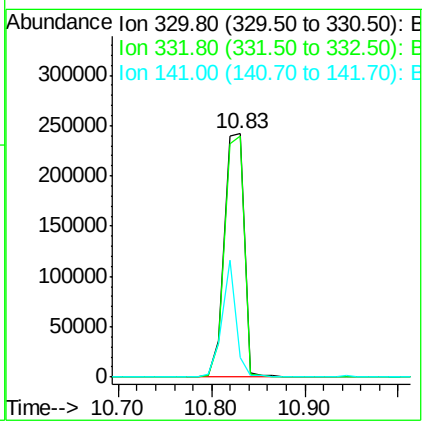


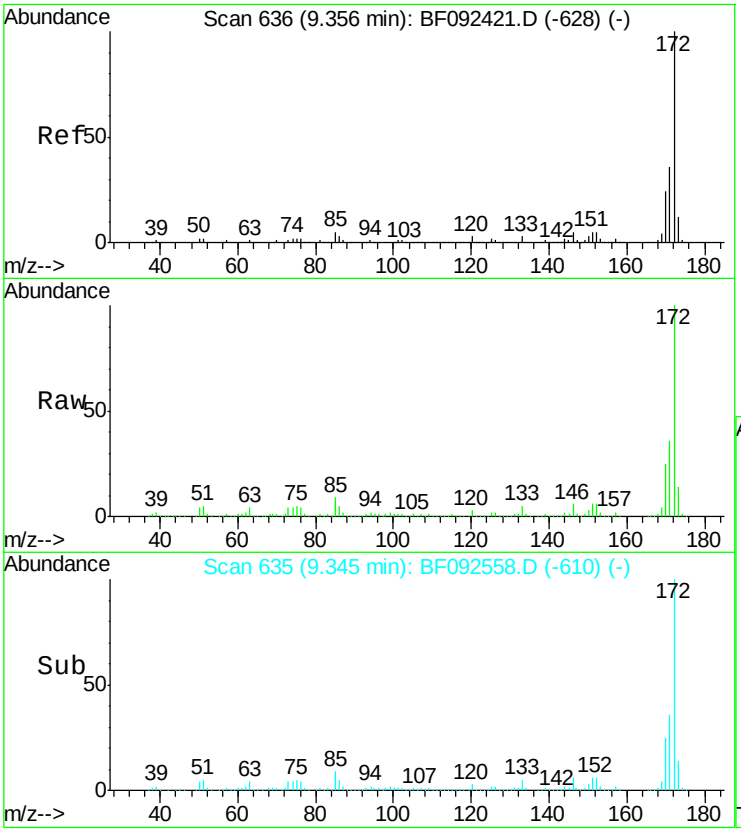




#41
2,4,6-Tribromophenol
Concen: 128.99 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:330 Resp: 362100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 77.4 | 116.2 |
| 141 | 33.3 | 34.1 | 51.1# |



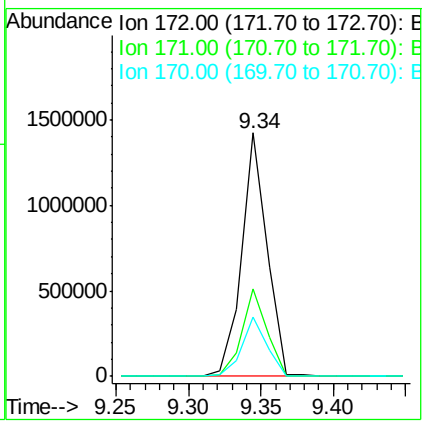


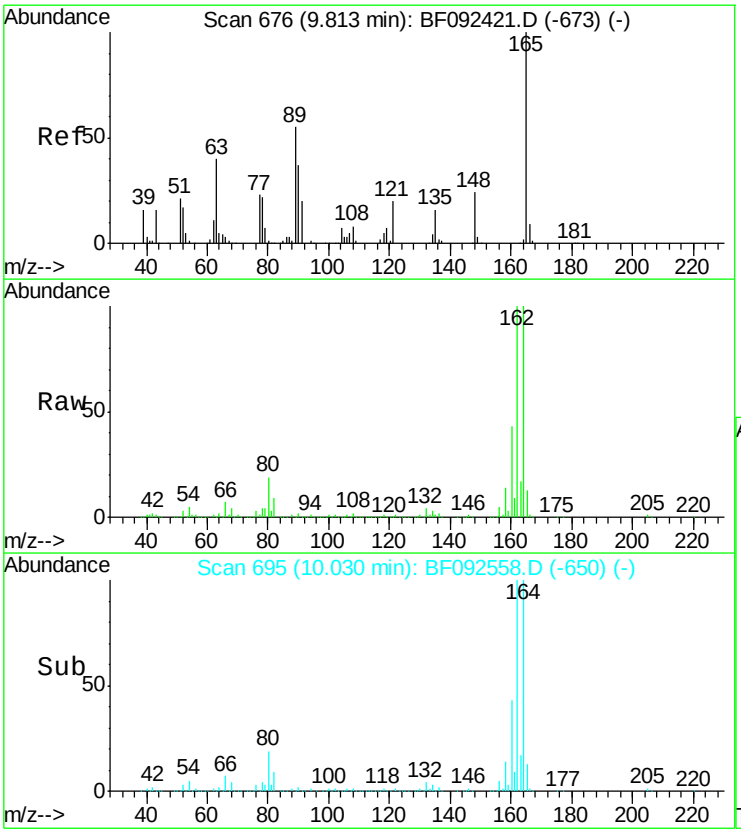

#44
2-Fluorobiphenyl
Concen: 77.27 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:172 Resp: 1721225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.4 | 44.0 |
| 170 | 24.6 | 20.2 | 30.4 |

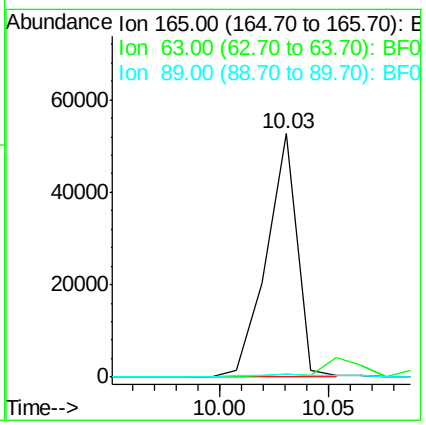


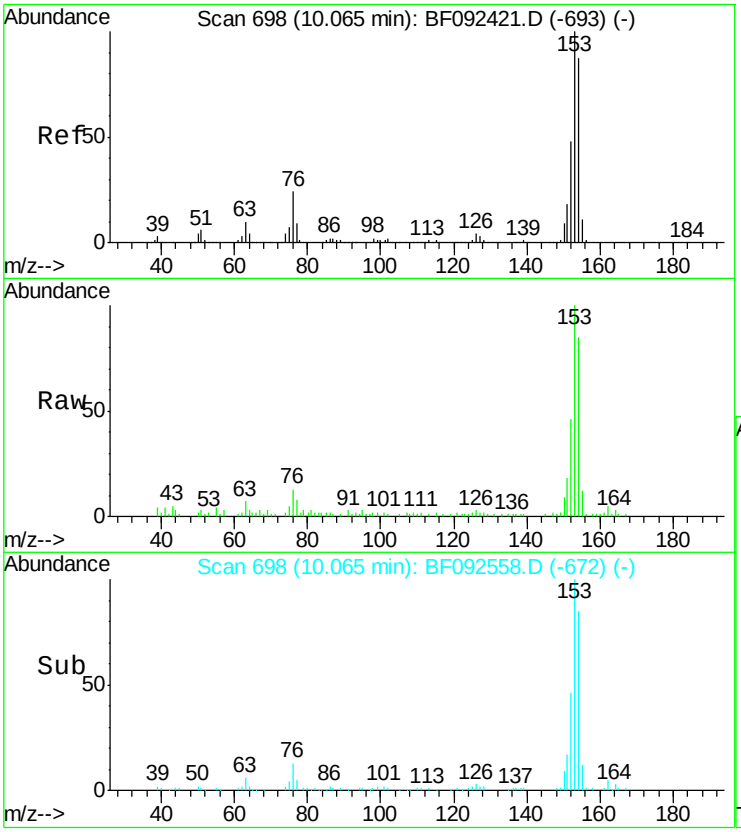




#50
2,6-Dinitrotoluene
Concen: 9.79 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.22 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:165 Resp: 52397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 36.2 | 54.4# |
| 89 | 1.2 | 40.2 | 60.4# |



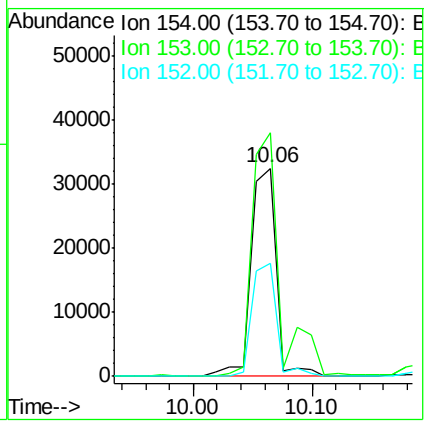


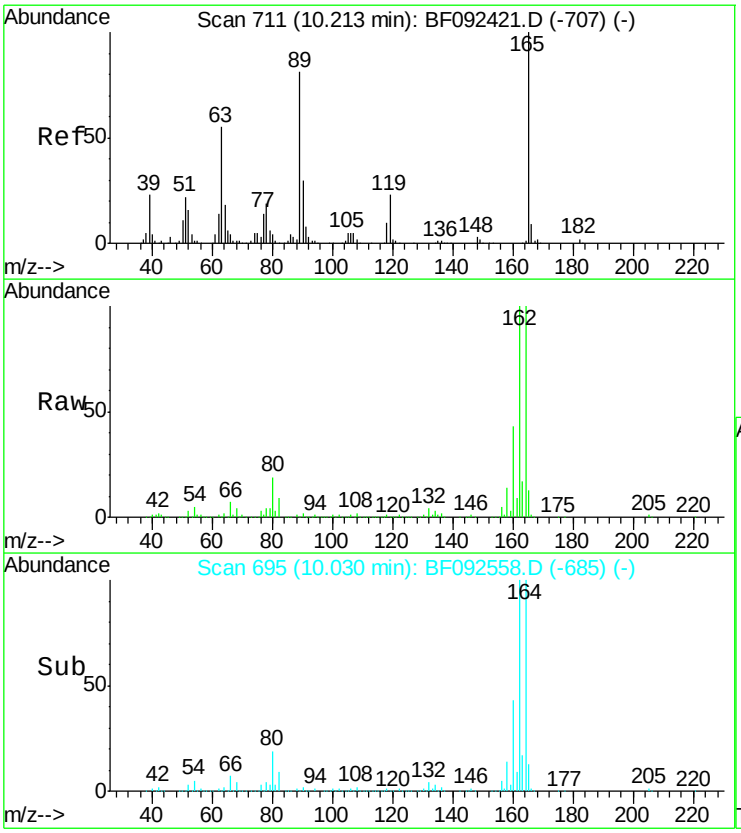

#51
Acenaphthene
Concen: 2.16 ng
RT: 10.06 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:154 Resp: 47854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.1 | 88.6 | 133.0 |
| 152 | 54.4 | 41.6 | 62.4 |

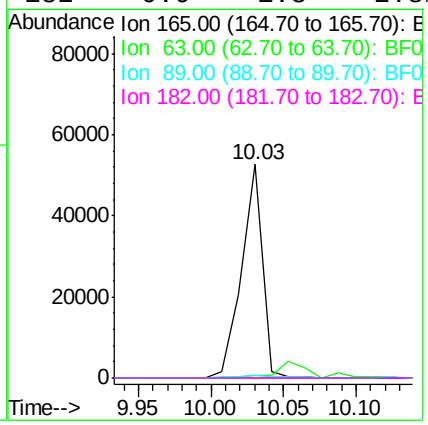


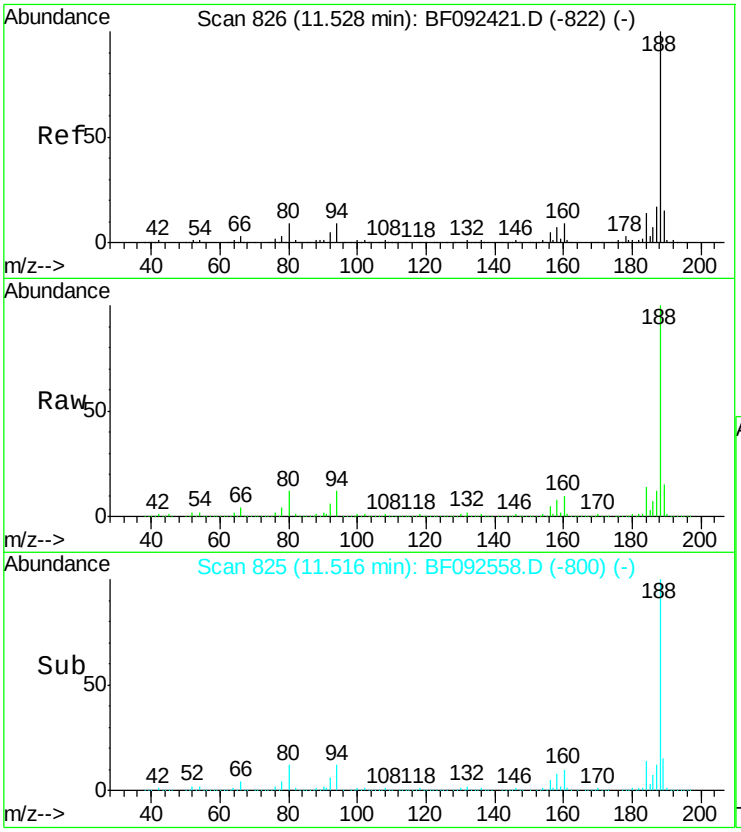




#56
2,4-Dinitrotoluene
Concen: 7.41 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:165 Resp: 52675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 40.2 | 60.4# |
| 89 | 1.2 | 62.5 | 93.7# |
| 182 | 0.0 | 1.8 | 2.8# |



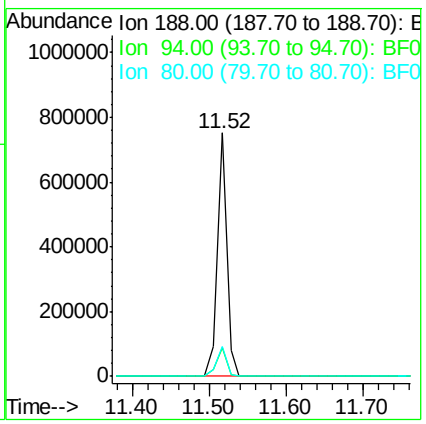


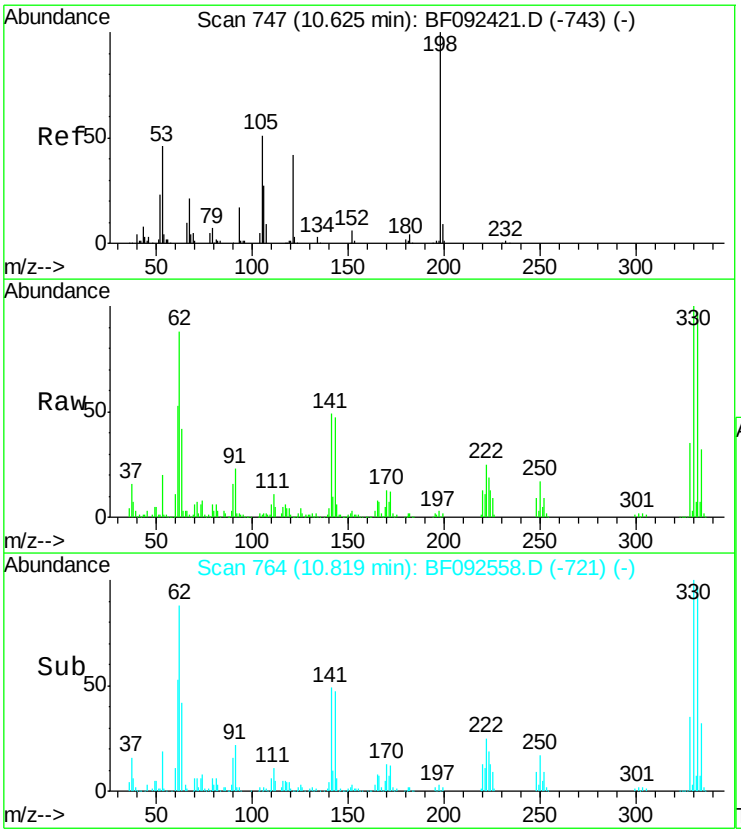

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:188 Resp: 645149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.6 | 10.0 | 15.0 |
| 80 | 12.3 | 11.2 | 16.8 |

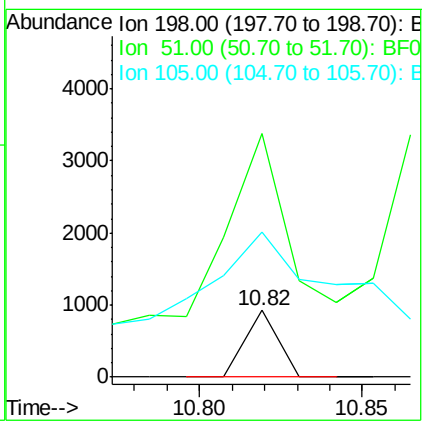


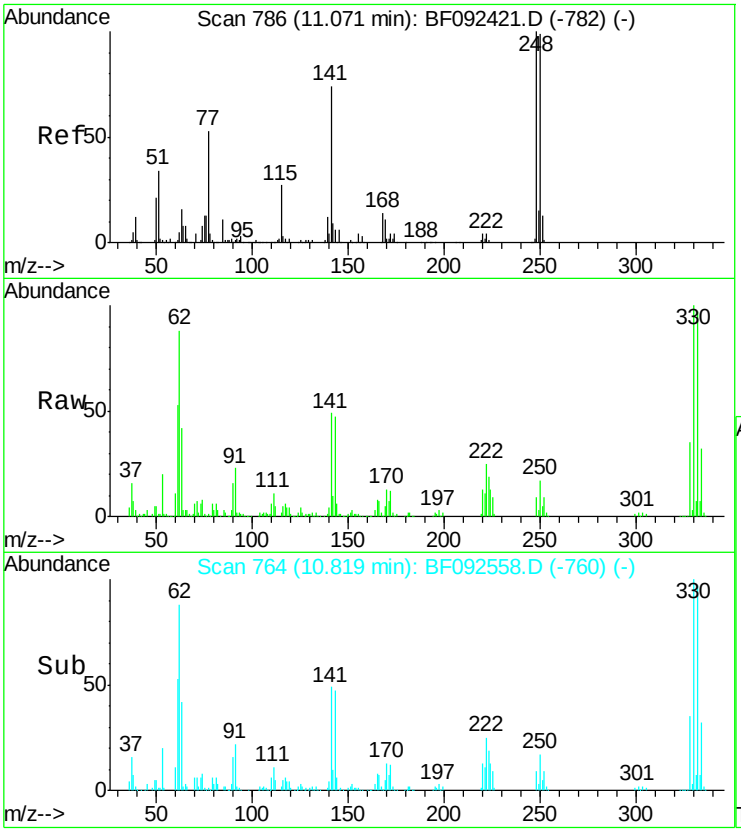




#64
4,6-Dinitro-2-methylphenol
Concen: 5.11 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:198 Resp: 635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 364.9 | 6.7 | 46.7# |
| 105 | 217.2 | 16.6 | 56.6# |



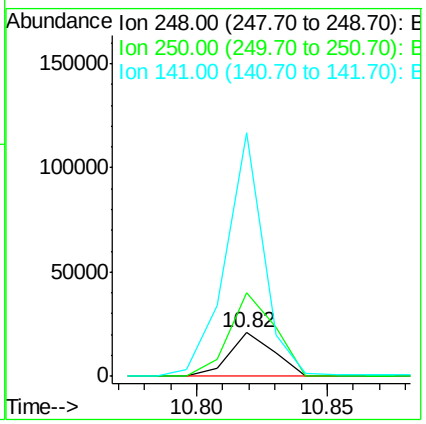


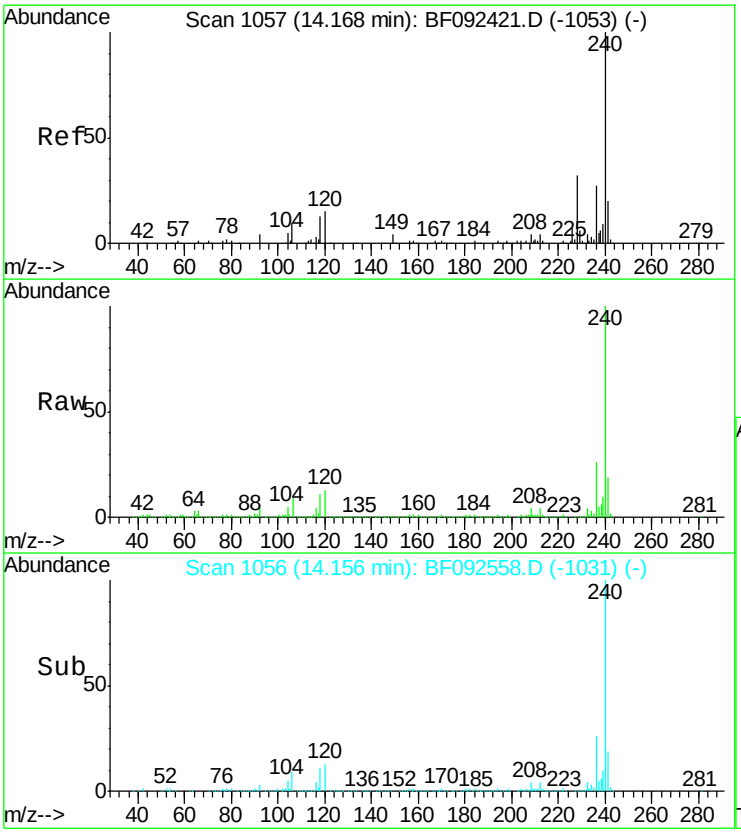

#66
4-Bromophenyl-phenylether
Concen: 3.83 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:248 Resp: 24939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.0 | 76.9 | 115.3# |
| 141 | 555.2 | 68.2 | 102.4# |

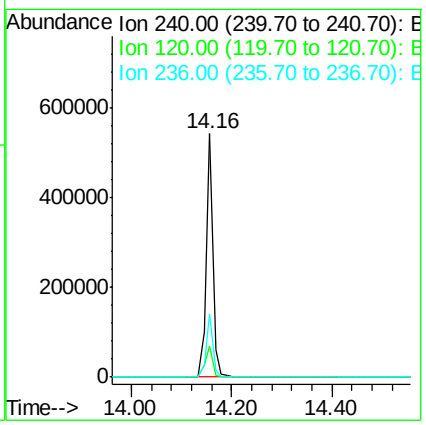


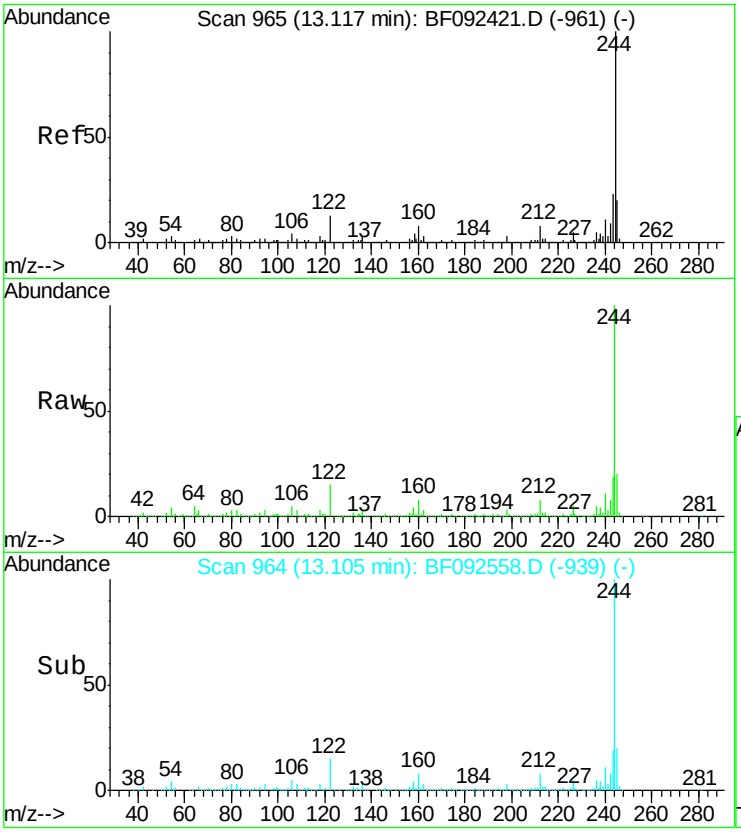




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:240 Resp: 497419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 12.9 | 19.3# |
| 236 | 26.0 | 20.9 | 31.3 |



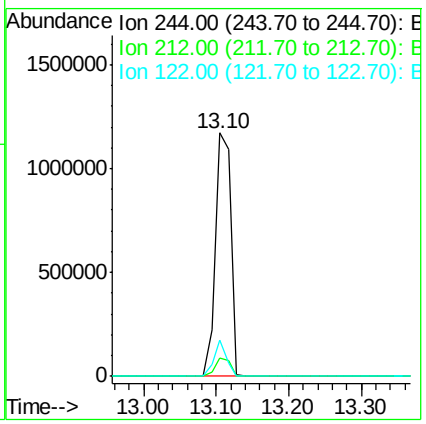


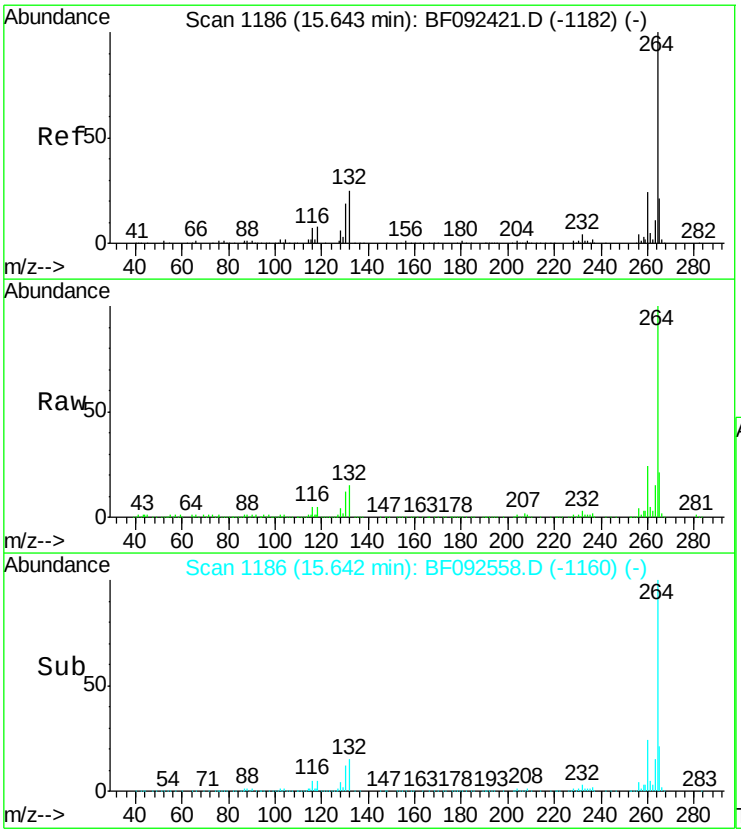

#78
Terphenyl-d14
Concen: 92.52 ng
RT: 13.10 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

**Instrument :**
BNA_F
**ClientSampleId :**
W-26

Tgt Ion:244 Resp: 1728282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.2 | 9.2 |
| 122 | 14.8 | 11.4 | 17.2 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.64 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:264 Resp: 371203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 21.3 | 17.4 | 26.0 |