Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
Data File : BF084417.D
Acq On : 12 Jan 2016 18:33
Operator : SJ/UM
Sample : H1078-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TE-PMW-40

Quant Time: Jan 13 00:35:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 289627 | 20.00 | ng | -0.06 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1087290 | 20.00 | ng | -0.07 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 525202 | 20.00 | ng | -0.07 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 937303 | 20.00 | ng | -0.06 |
| 75) Chrysene-d12 | 14.00 | 240 | 637950 | 20.00 | ng | -0.07 |
| 86) Perylene-d12 | 15.43 | 264 | 497524 | 20.00 | ng | -0.08 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1195550 | 66.77 | ng | -0.05 |
| 7) Phenol-d6 | 6.48 | 99 | 967904 | 43.04 | ng | -0.06 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 1872389 | 95.84 | ng | -0.06 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 609993 | 115.04 | ng | -0.07 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 2567911 | 86.09 | ng | -0.06 |
| 78) Terphenyl-d14 | 12.96 | 244 | 2261430 | 79.13 | ng | -0.06 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.61 | 77 | 46630 | 3.18 | ng | # 75 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 252638 | 16.60 | ng | # 78 |
| 25) Isophorone | 7.41 | 82 | 1770402 | 47.38 | ng | # 66 |
| 50) 2,6-Dinitrotoluene | 9.88 | 165 | 69338 | 8.42 | ng | # 37 |
| 54) Dibenzofuran | 10.09 | 168 | 492 | Below Cal | | # 45 |
| 56) 2,4-Dinitrotoluene | 9.88 | 165 | 69341 | 6.65 | ng | # 21 |
| 57) Fluorene | 10.67 | 166 | 27442 | Below Cal | | # 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.67 | 198 | 1396 | 6.60 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.67 | 248 | 37557 | 3.72 | ng | # 1 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 5603 | Below Cal | | # 79 |

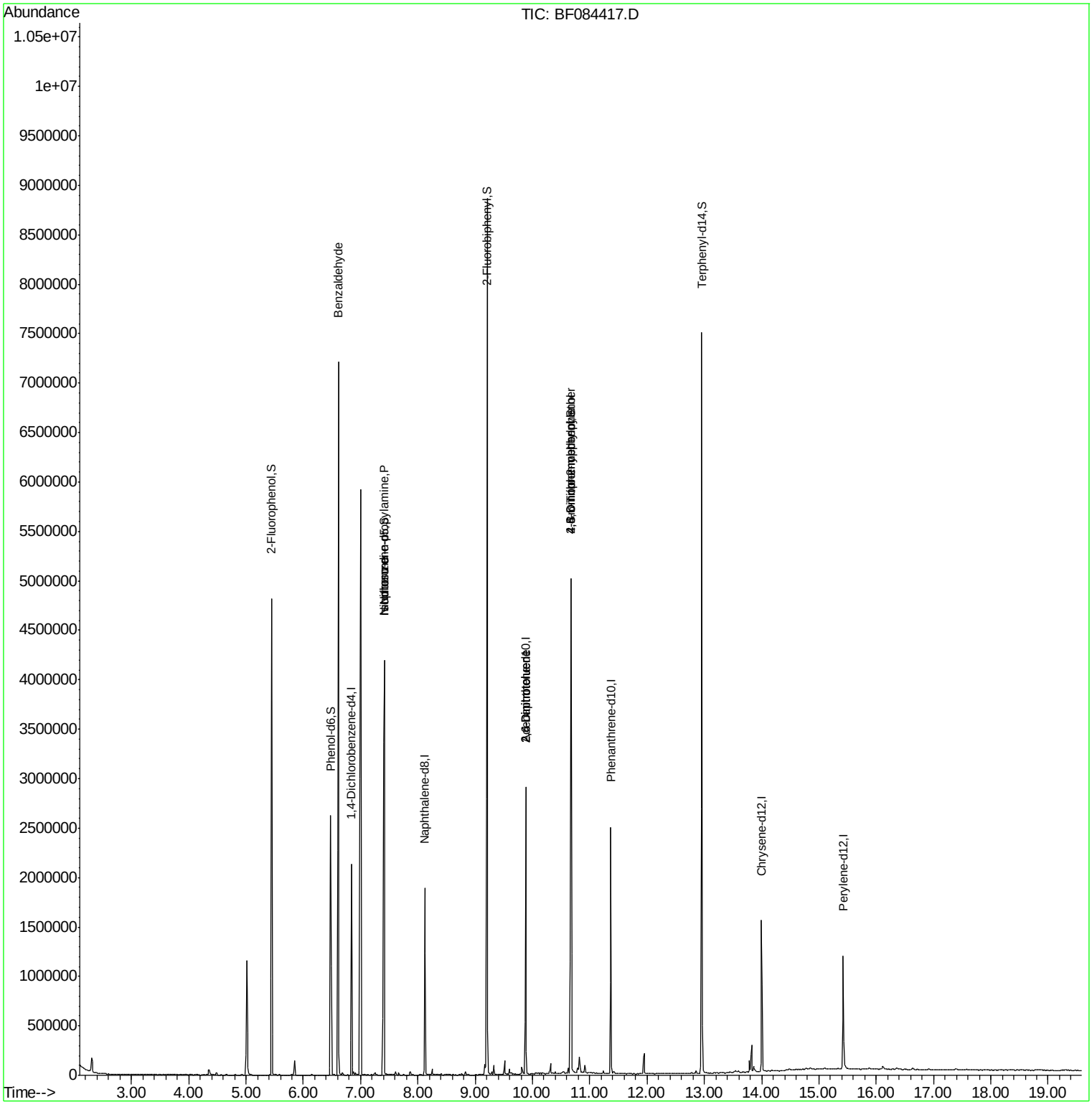
(#) = qualifier out of range (m) = manual integration (+) = signals summed

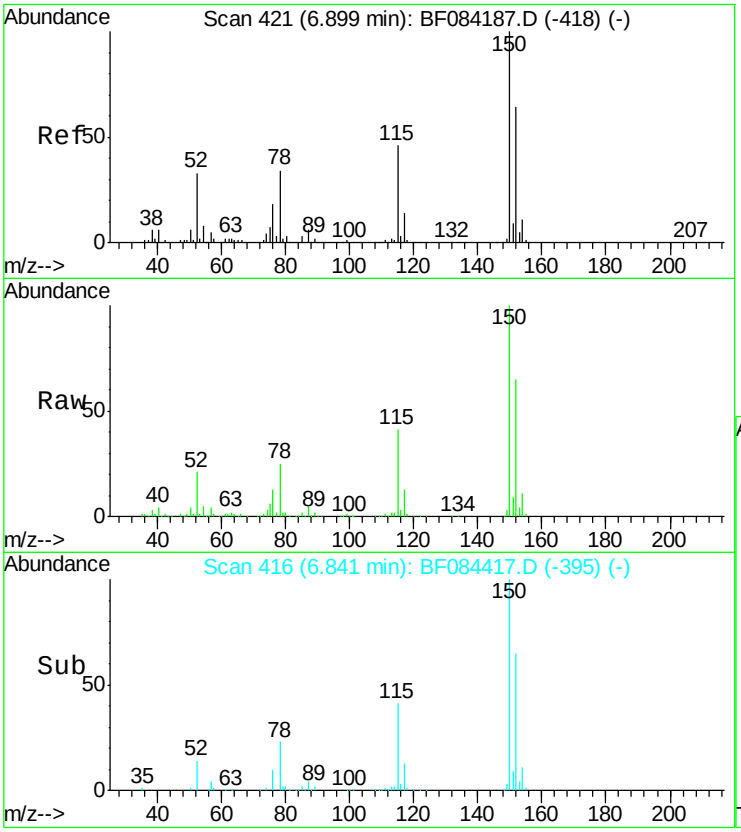
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
Data File : BF084417.D
Acq On : 12 Jan 2016 18:33
Operator : SJ/UM
Sample : H1078-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Quant Time: Jan 13 00:35:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



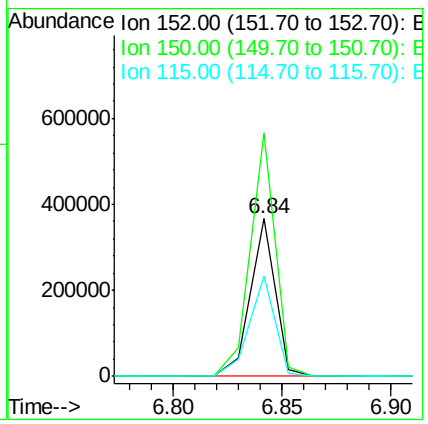


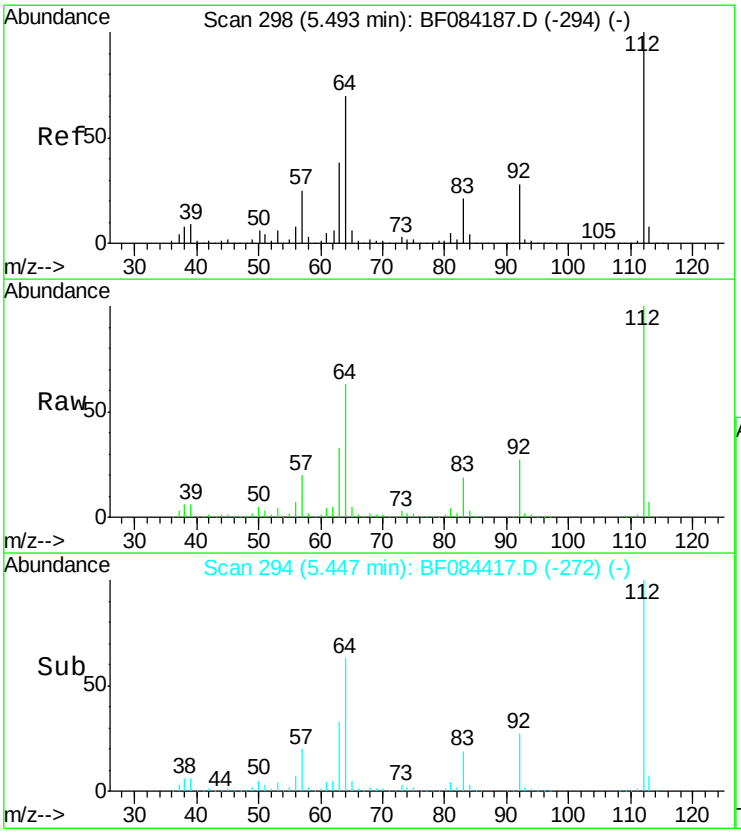

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:152 Resp: 289627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.9 | 123.0 | 184.4 |
| 115 | 63.4 | 51.4 | 77.2 |

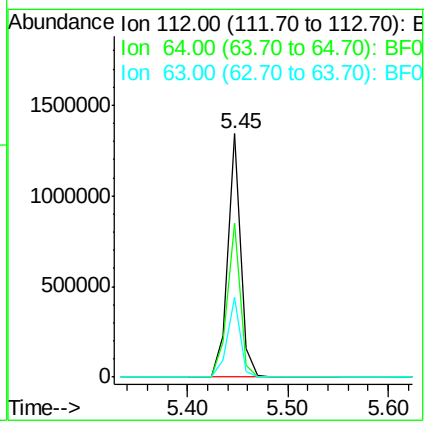


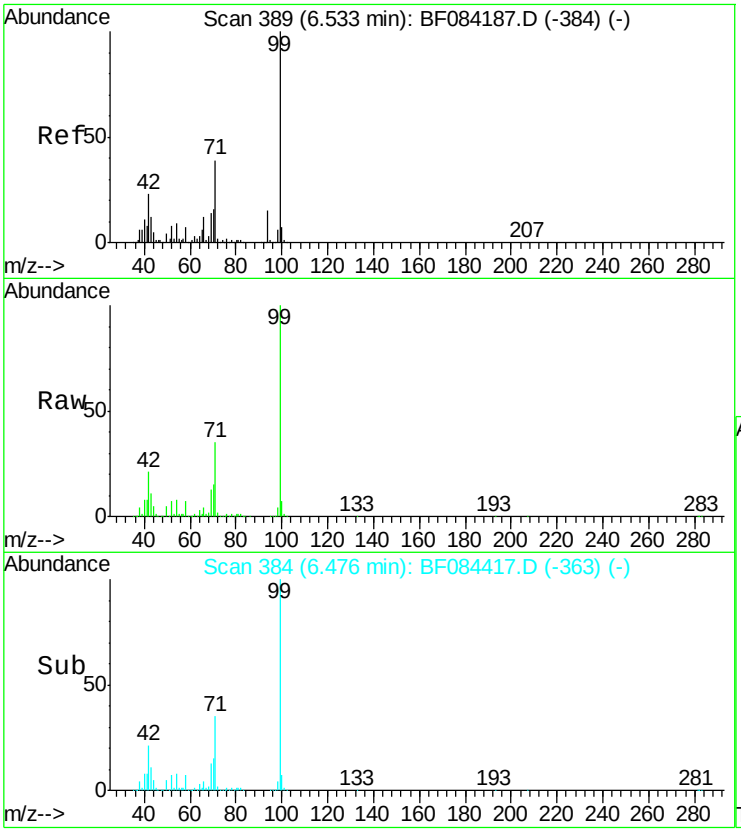




#5
2-Fluorophenol
Concen: 66.77 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.05 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:112 Resp: 1195550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.4 | 36.6 | 55.0# |
| 63 | 32.6 | 19.4 | 29.0# |



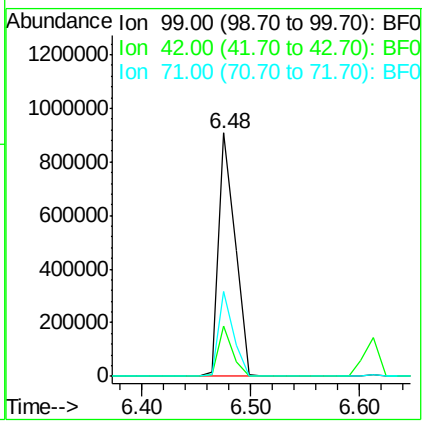


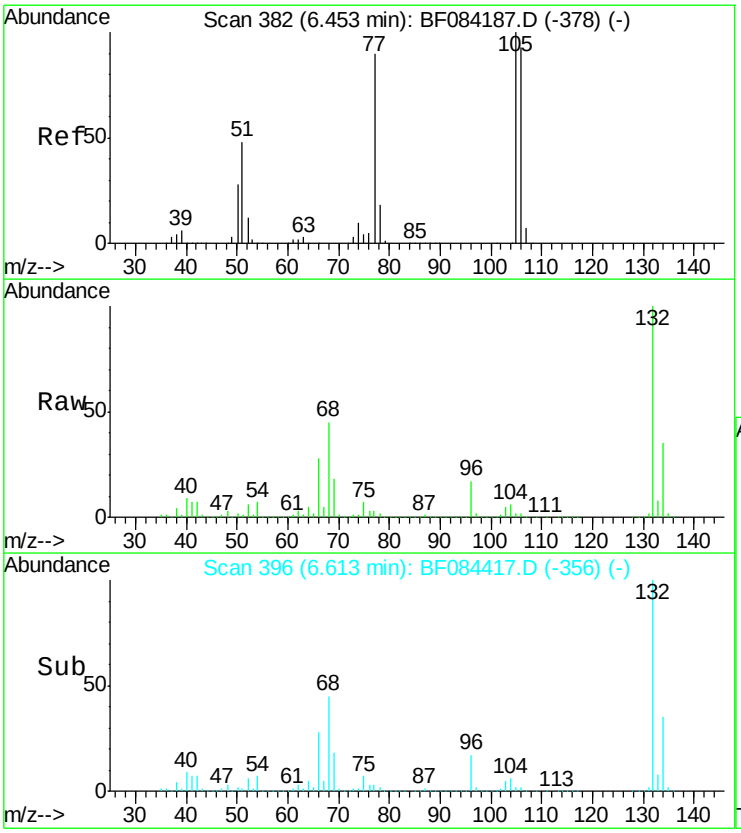

#7
Phenol-d6
Concen: 43.04 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion: 99 Resp: 967904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.8 | 12.8 | 19.2# |
| 71 | 34.9 | 30.9 | 46.3 |

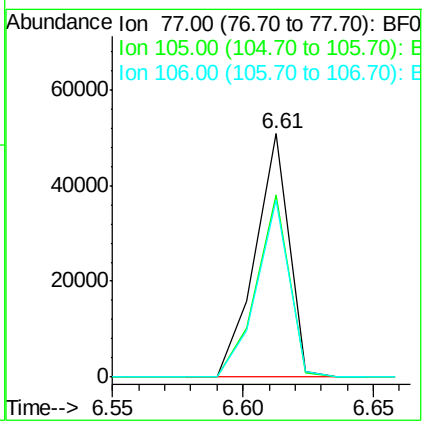


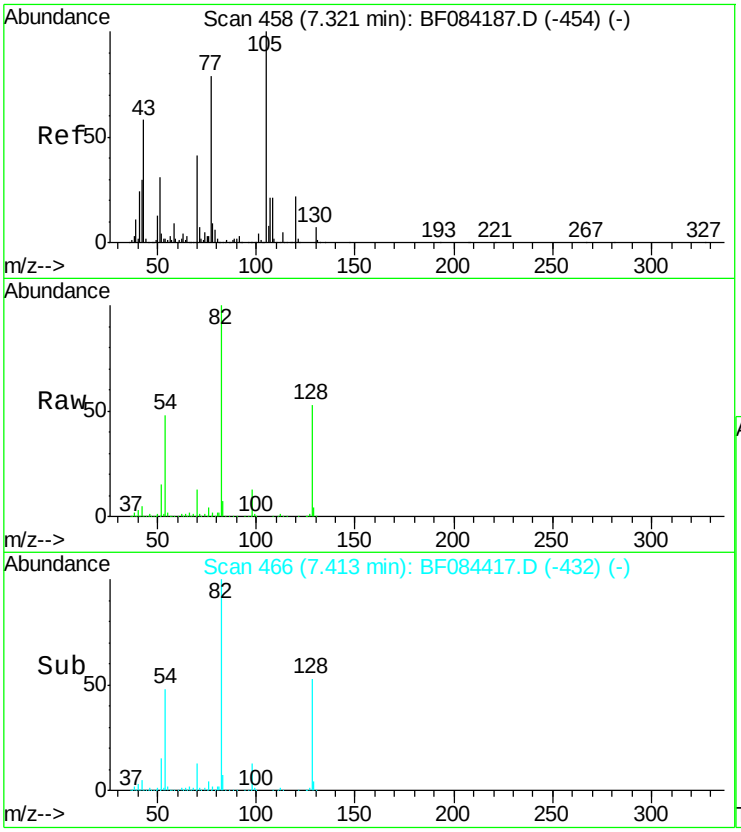




#9
Benzaldehyde
Concen: 3.18 ng
RT: 6.61 min Scan# 396
Delta R.T. 0.16 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion: 77 Resp: 46630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 75.1 | 83.0 | 123.0# |
| 106 | 72.7 | 74.6 | 114.6# |



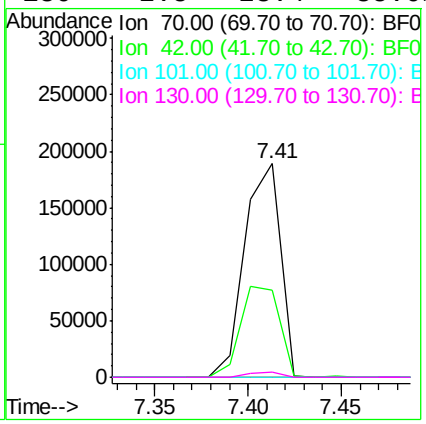


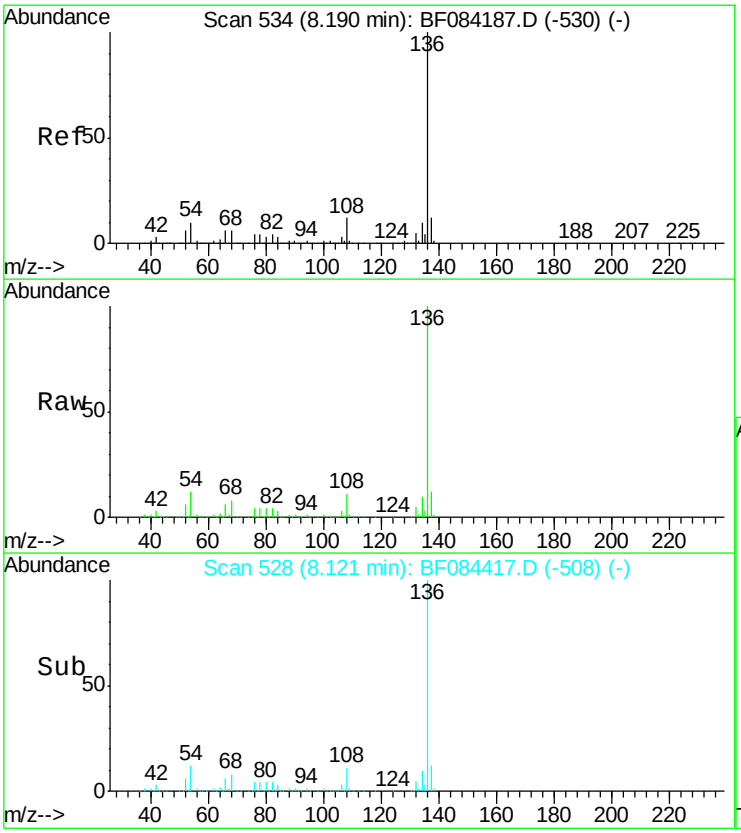

#19
n-Nitroso-di-n-propylamine
Concen: 16.60 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.09 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion: 70 Resp: 252638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.0 | 33.3 | 49.9 |
| 101 | 0.0 | 9.3 | 13.9# |
| 130 | 2.5 | 23.4 | 35.0# |

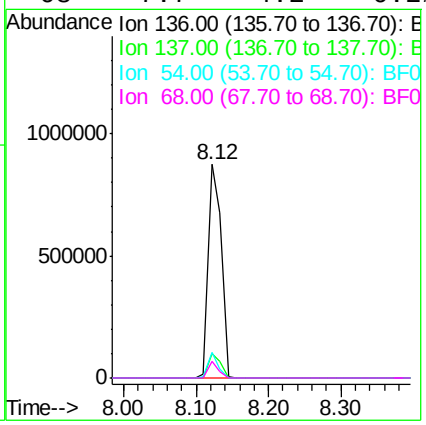


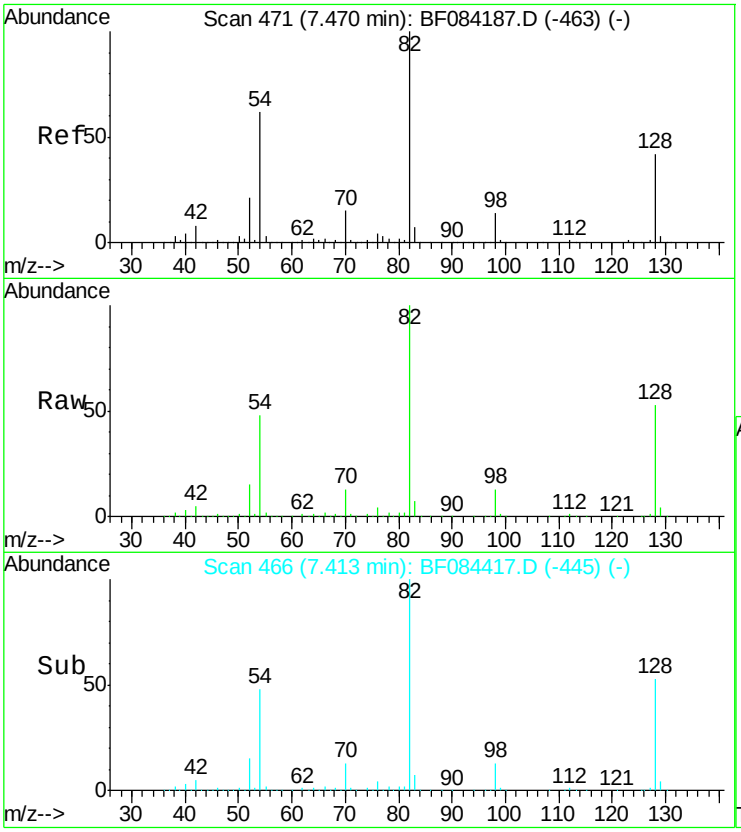




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:136 Resp: 1087290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.7 | 13.1 |
| 54 | 11.9 | 5.8 | 8.8# |
| 68 | 7.7 | 4.2 | 6.2# |



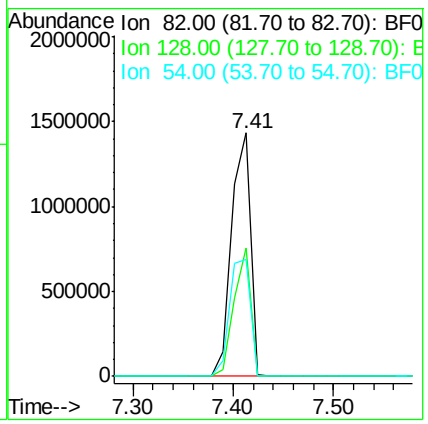


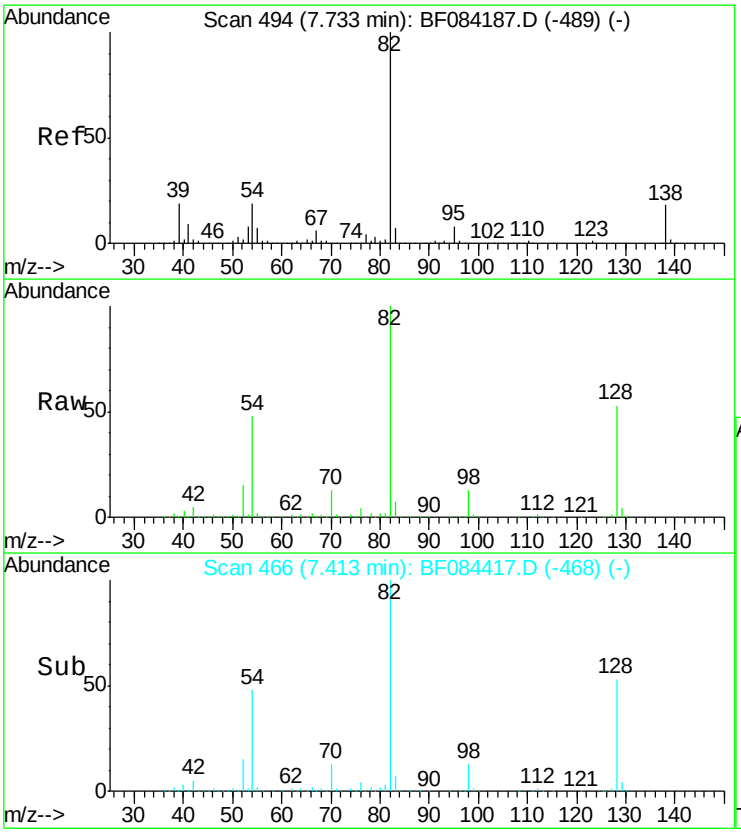

#23
Nitrobenzene-d5
Concen: 95.84 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion: 82 Resp: 1872389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.8 | 34.6 | 51.8# |
| 54 | 48.2 | 38.4 | 57.6 |

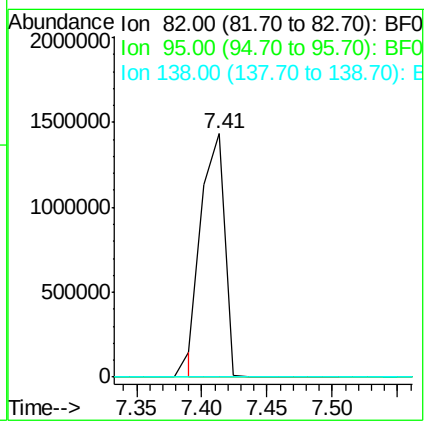


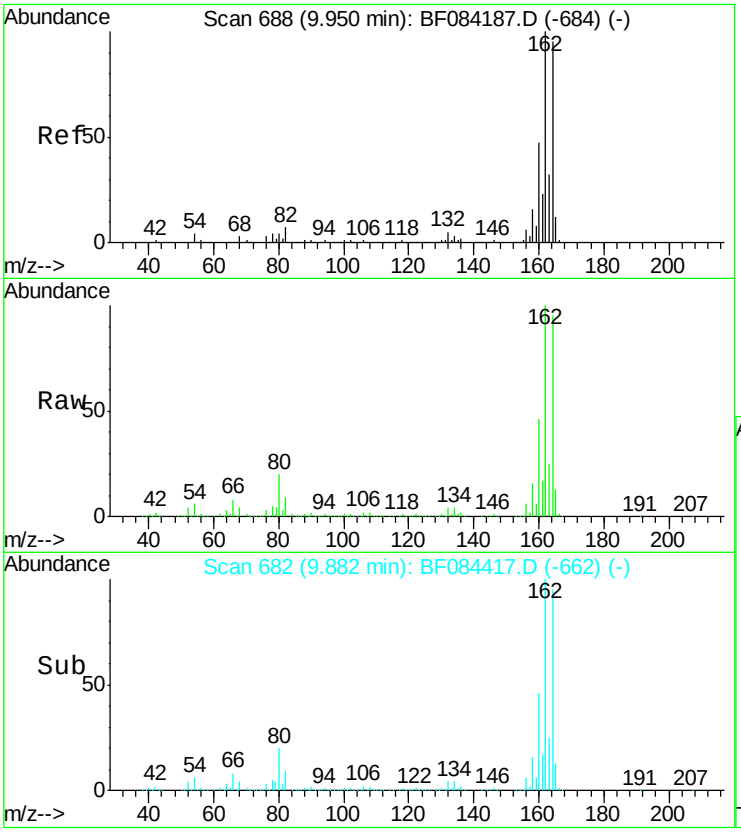




#25
Isophorone
Concen: 47.38 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.32 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion: 82 Resp: 1770402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 6.6 | 10.0# |
| 138 | 0.0 | 13.6 | 20.4# |



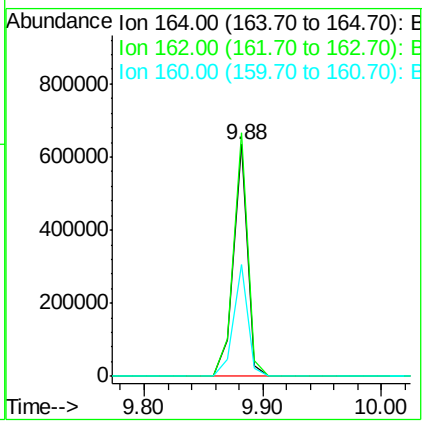


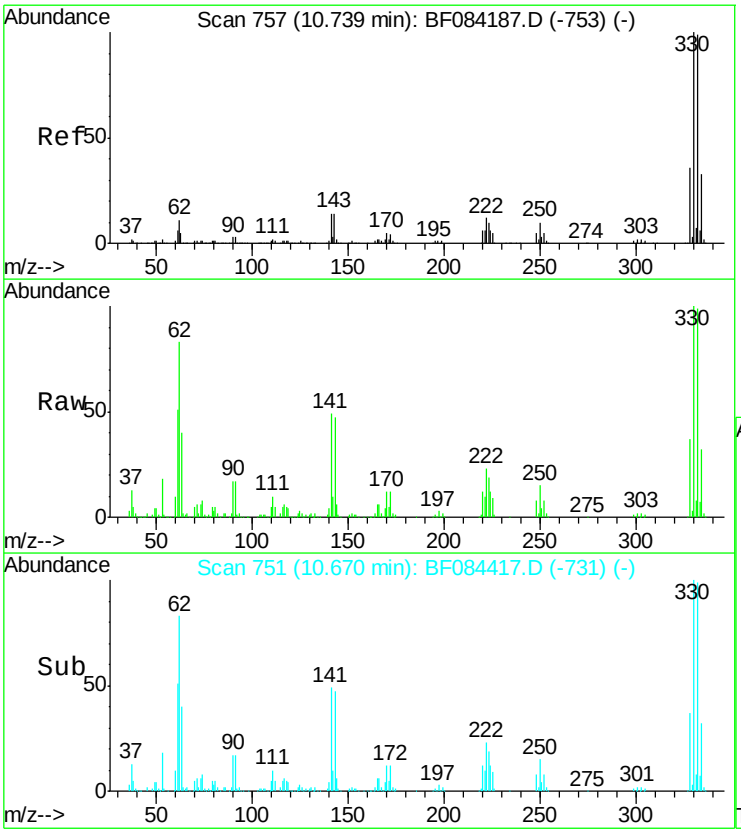

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:164 Resp: 525202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.0 | 85.1 | 127.7 |
| 160 | 48.1 | 37.5 | 56.3 |

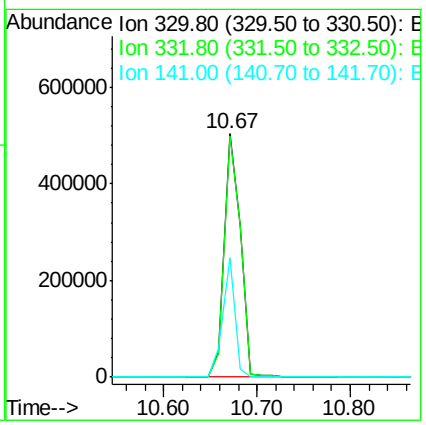


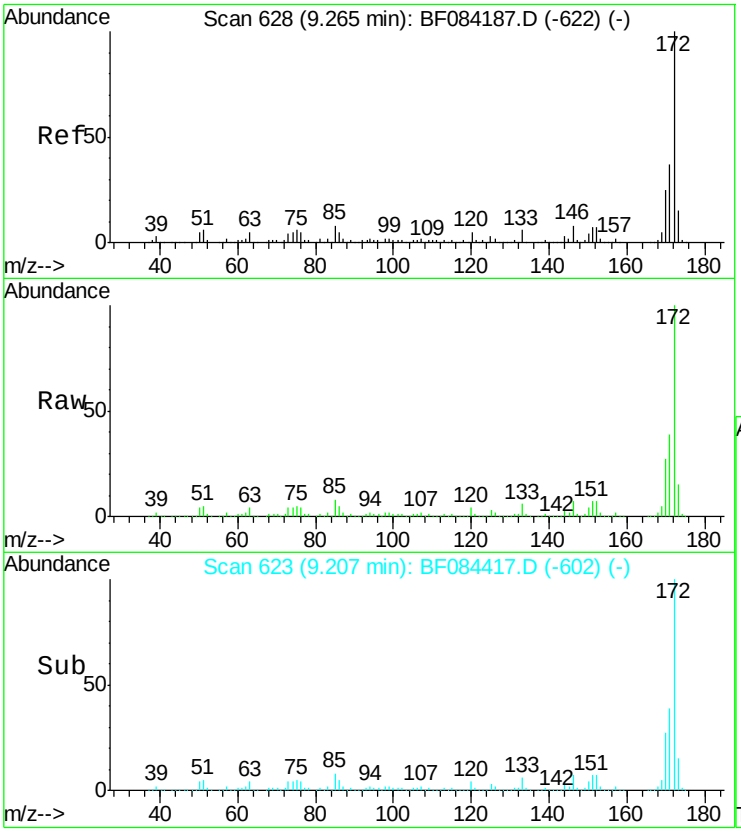




#41
2,4,6-Tribromophenol
Concen: 115.04 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.07 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:330 Resp: 609993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.9 | 76.6 | 114.8 |
| 141 | 37.2 | 27.8 | 41.6 |



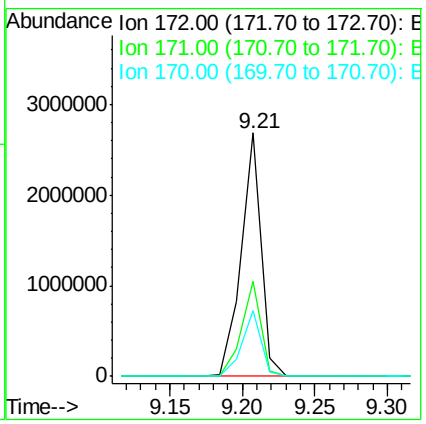


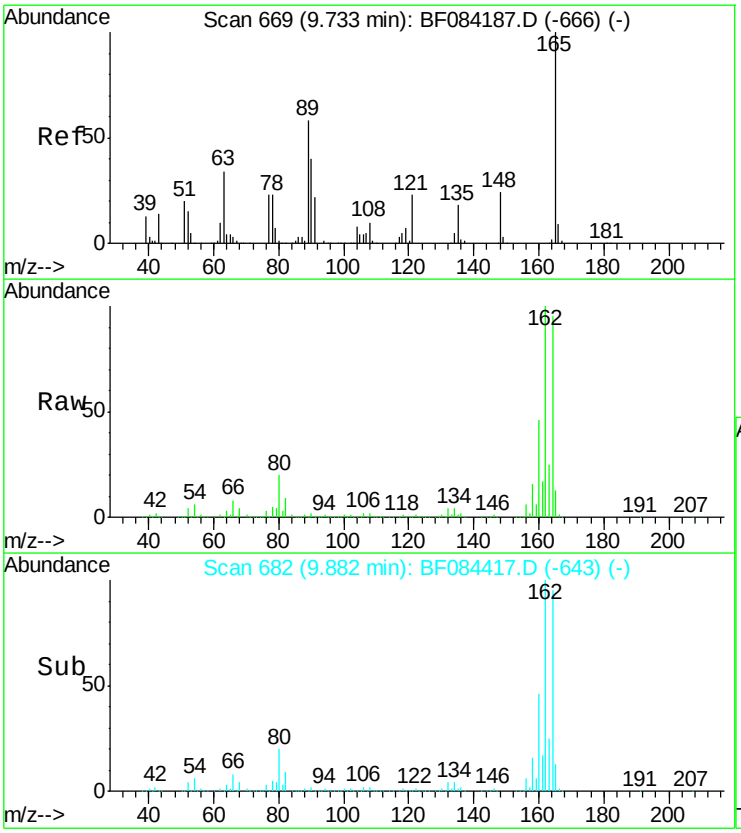

#44
2-Fluorobiphenyl
Concen: 86.09 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:172 Resp: 2567911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.1 | 28.9 | 43.3 |
| 170 | 26.9 | 18.6 | 27.8 |

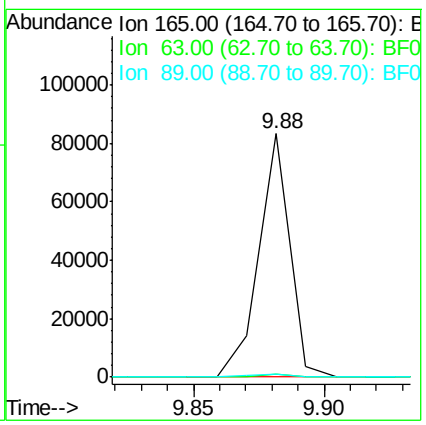


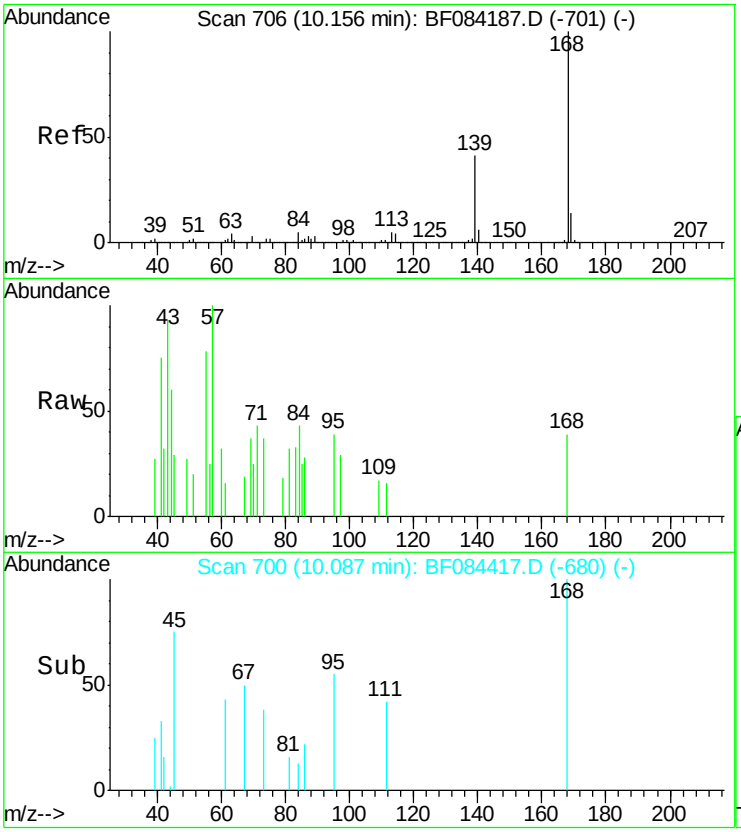




#50
2,6-Dinitrotoluene
Concen: 8.42 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.15 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:165 Resp: 69338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 28.8 | 43.2# |
| 89 | 1.3 | 35.1 | 52.7# |



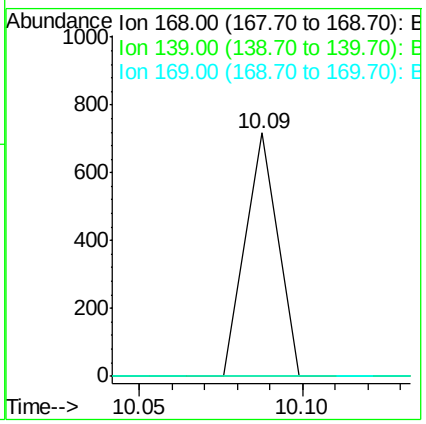


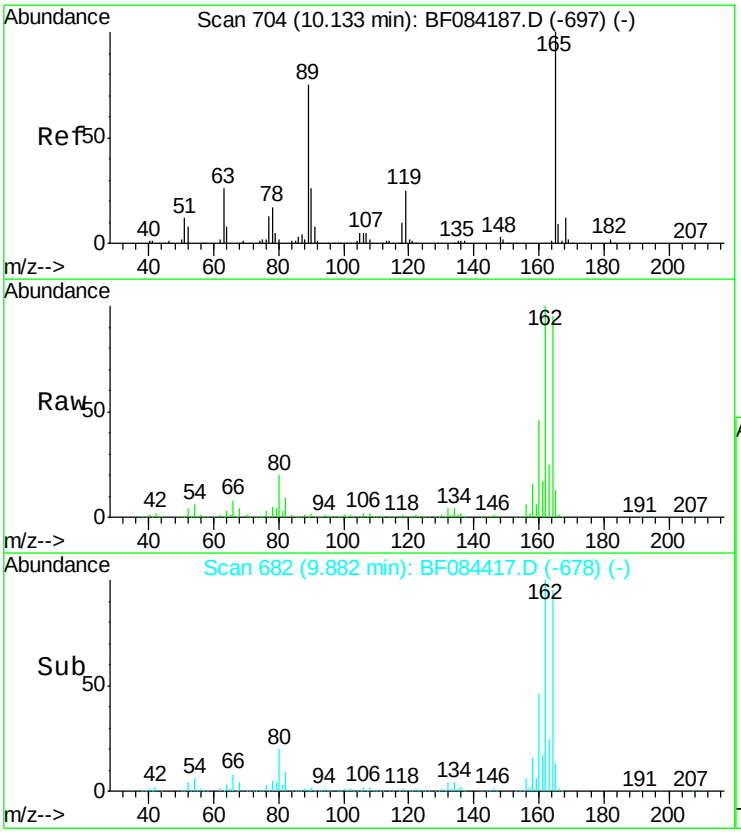

#54
Dibenzofuran
Concen: Below Cal
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:168 Resp: 492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 0.0 | 30.5 | 45.7# |
| 169 | 0.0 | 10.4 | 15.6# |

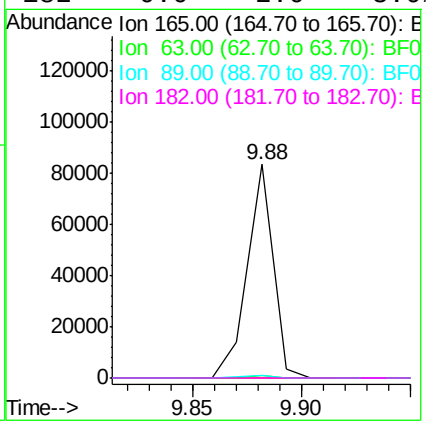


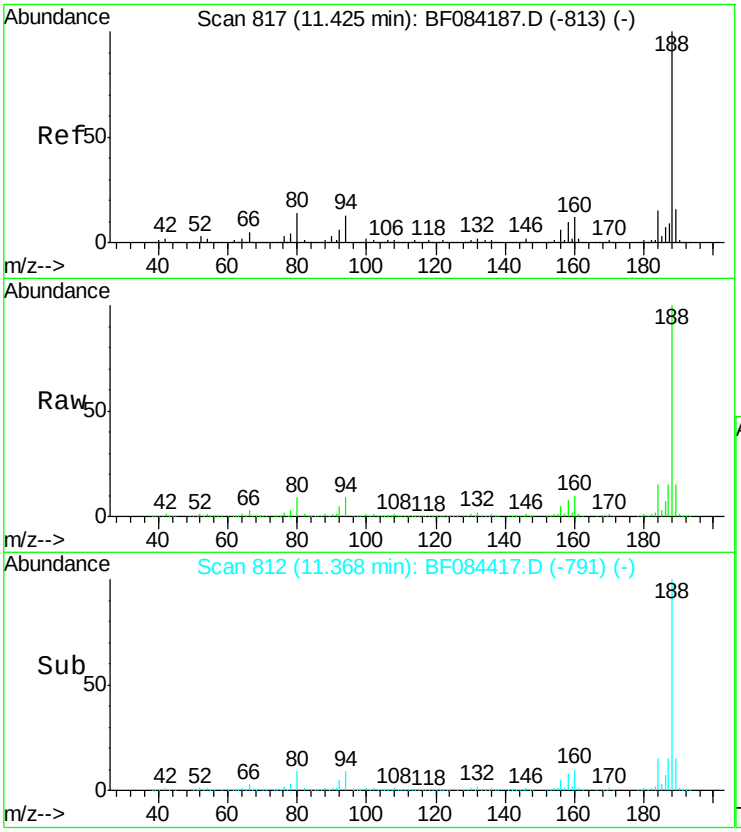




#56
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.25 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:165 Resp: 69341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 36.7 | 55.1# |
| 89 | 1.3 | 61.9 | 92.9# |
| 182 | 0.0 | 2.0 | 3.0# |



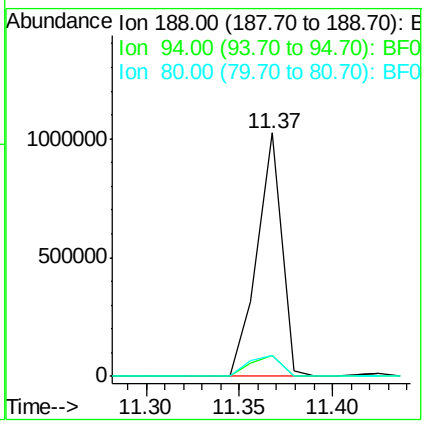


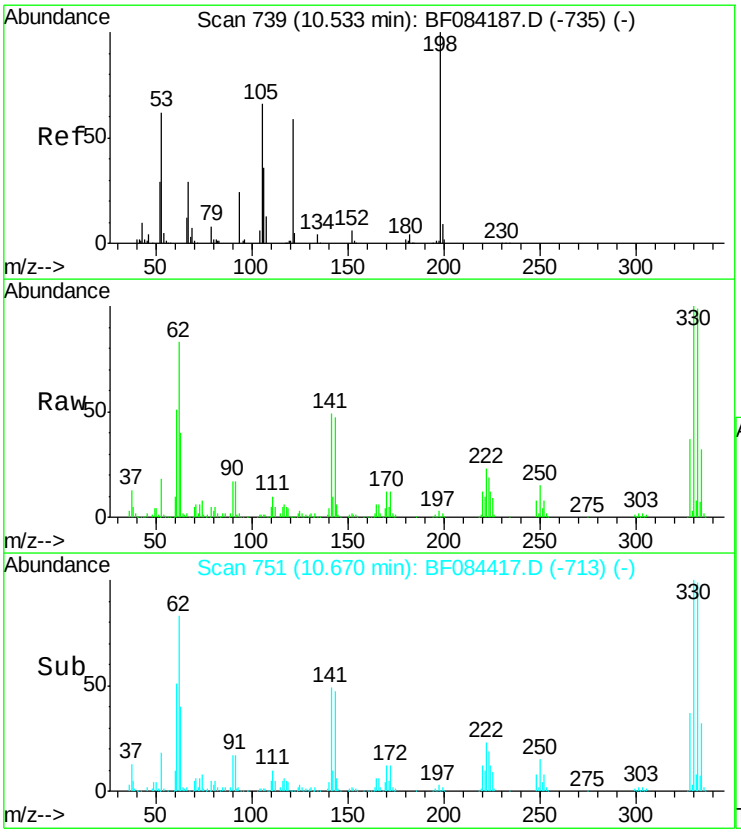

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:188 Resp: 937303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 9.0 | 13.4# |
| 80 | 8.6 | 9.6 | 14.4# |

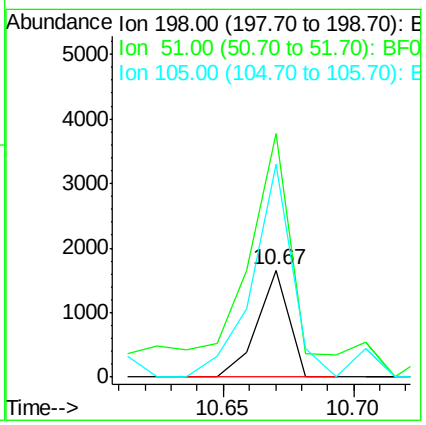


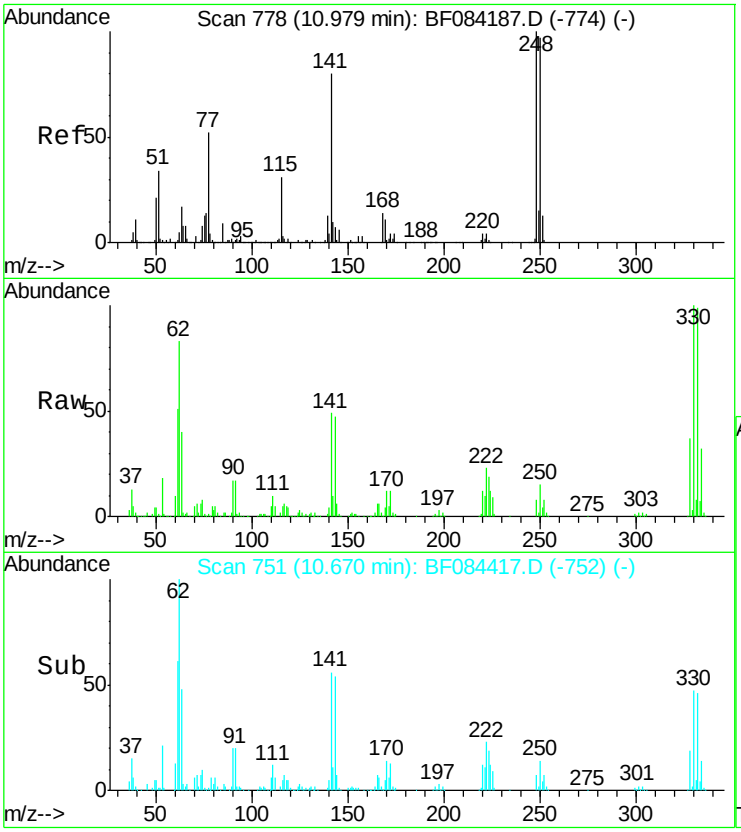




#64
4,6-Dinitro-2-methylphenol
Concen: 6.60 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.14 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:198 Resp: 1396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 227.6 | 18.9 | 58.9# |
| 105 | 198.6 | 26.4 | 66.4# |



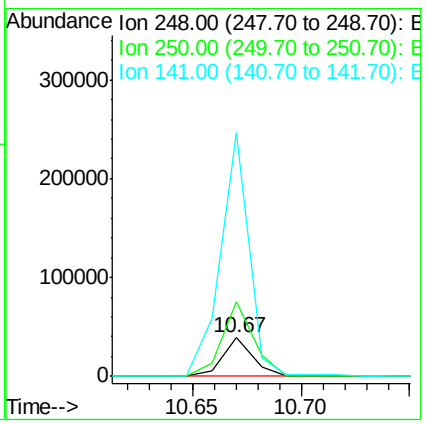


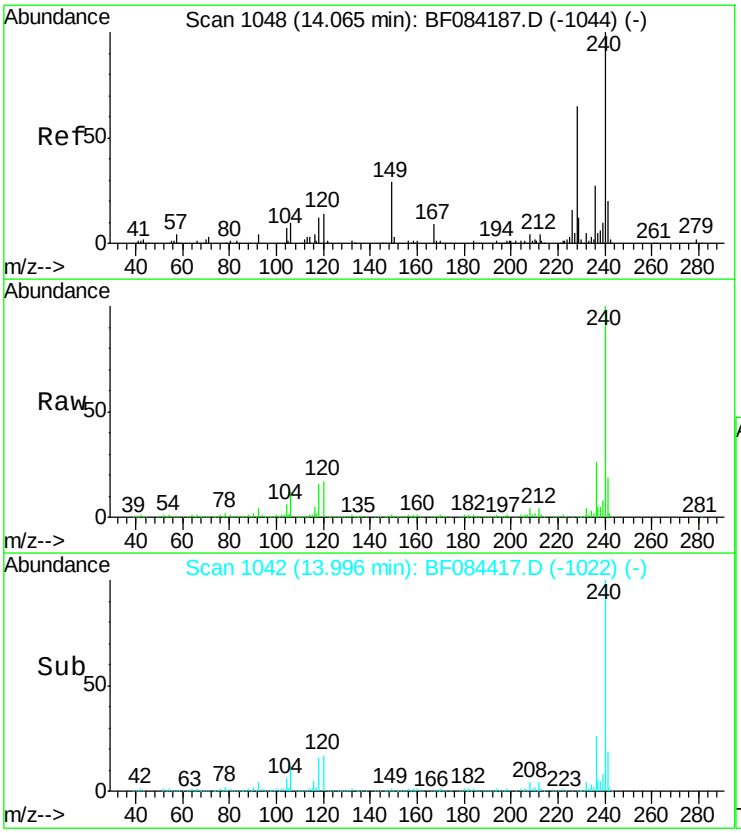

#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.31 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:248 Resp: 37557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 195.2 | 78.4 | 117.6# |
| 141 | 636.8 | 44.0 | 66.0# |

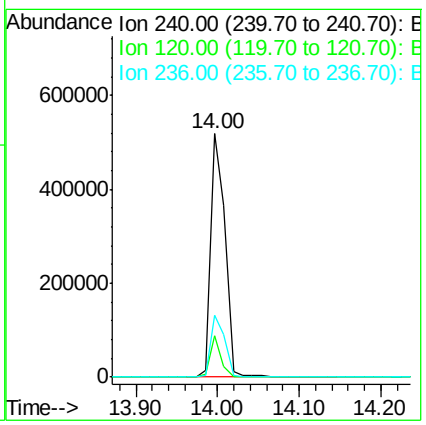


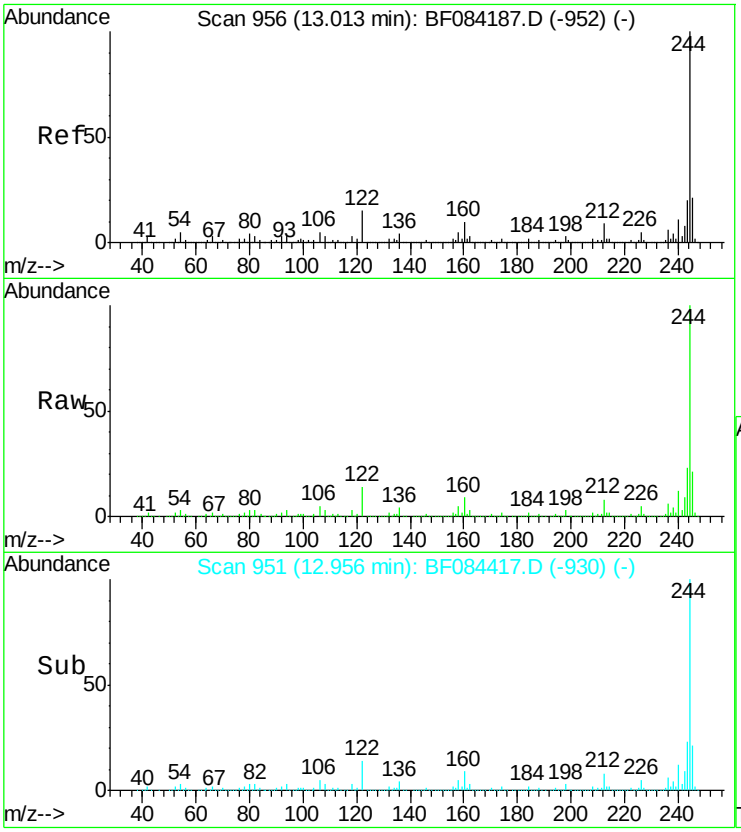




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.07 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:240 Resp: 637950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.8 | 9.5 | 14.3# |
| 236 | 25.7 | 20.6 | 31.0 |



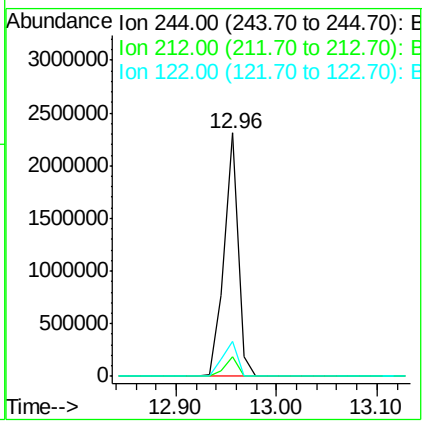


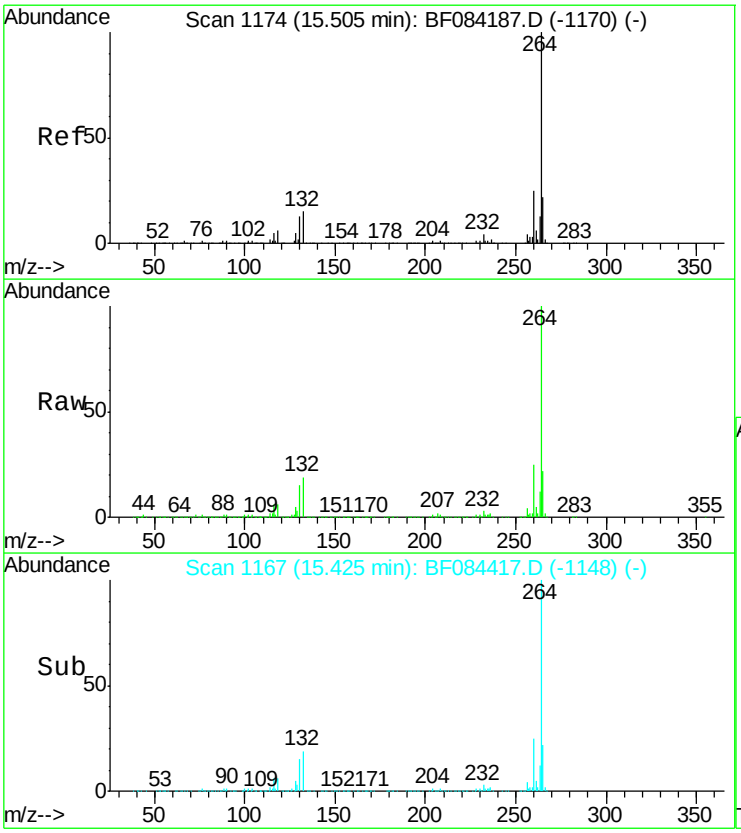

#78
Terphenyl-d14
Concen: 79.13 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.06 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-40

Tgt Ion:244 Resp: 2261430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.7 | 8.5 |
| 122 | 14.1 | 7.4 | 11.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF084417.D
Acq: 12 Jan 2016 18:33

Tgt Ion:264 Resp: 497524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.4 | 29.2 |
| 265 | 22.3 | 17.8 | 26.6 |