Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084247.D
Acq On : 4 Jan 2016 19:02
Operator : UM/SJ
Sample : G4986-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PJ-SB-10-1.5-2.0

Quant Time: Jan 05 01:30:34 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 | 6.89 | 152 | 271075 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.18 | 136 | 1178472 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 509480 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 842531 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.05 | 240 | 566331 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.49 | 264 | 552949 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1806883 | 107.81 | ng | 0.01 |
| 7) Phenol-d6 | 6.53 | 99 | 2342283 | 111.28 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 1564319 | 73.88 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 537682 | 104.53 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 1990011 | 67.40 | ng | -0.01 |
| 78) Terphenyl-d14 | 13.00 | 244 | 1404063 | 55.34 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.46 | 70 | 222949 | 15.65 | ng | # 71 |
| 32) Benzoic acid | 8.18 | 122 | 217 | 6.26 | ng | # 1 |
| 49) Dimethylphthalate | 9.65 | 163 | 548670 | 15.06 | ng | # 91 |
| 54) Dibenzofuran | 10.13 | 168 | 1013 | Below Cal | | # 83 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 65797 | 6.51 | ng | # 22 |
| 57) Fluorene | 10.48 | 166 | 1391 | Below Cal | | # 71 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 1230 | 6.60 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 32352 | 3.57 | ng | # 1 |
| 73) Di-n-butylphthalate | 11.99 | 149 | 15627 | Below Cal | | 97 |

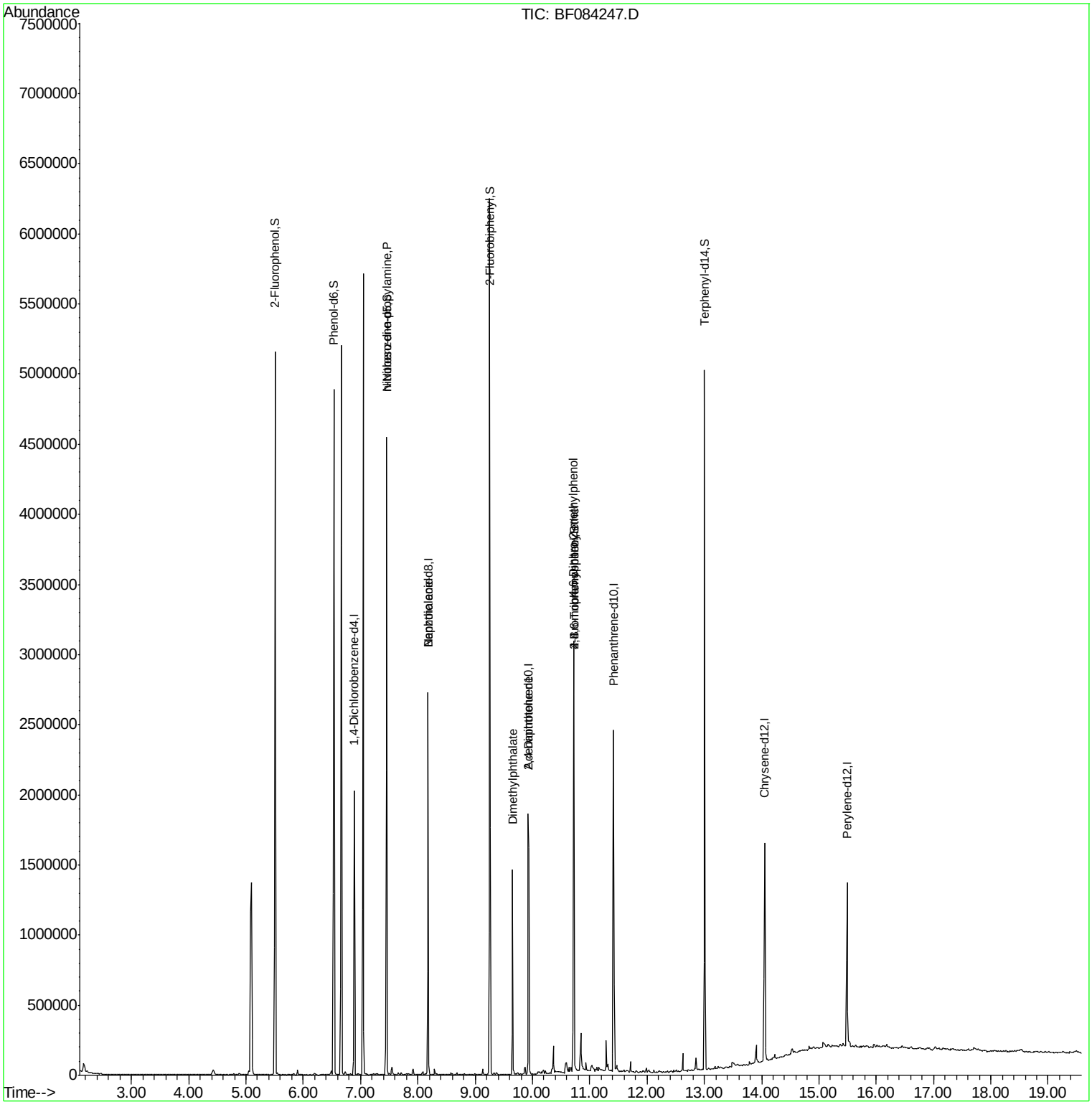
(#) = qualifier out of range (m) = manual integration (+) = signals summed

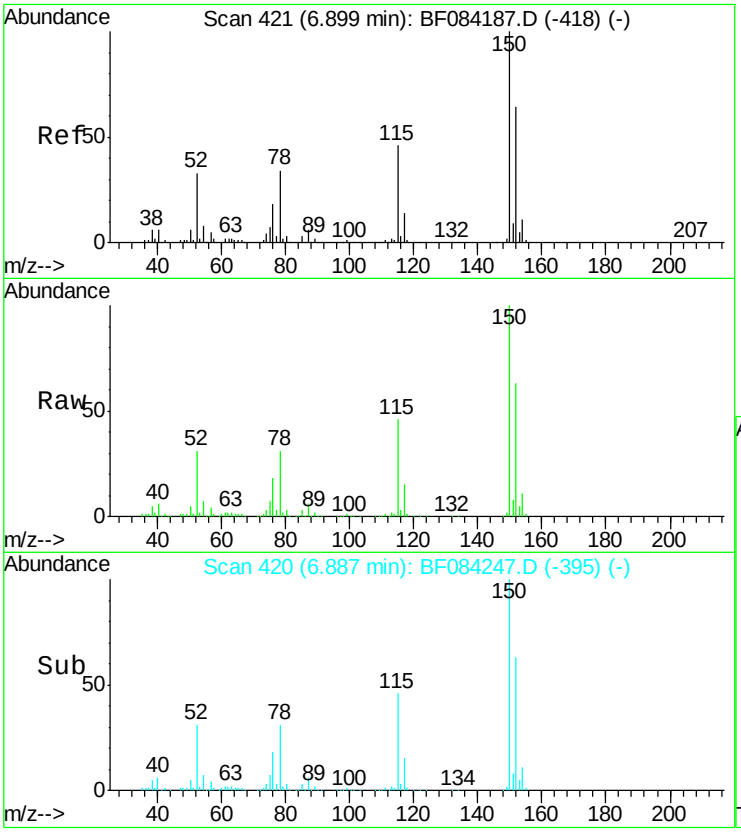
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084247.D
Acq On : 4 Jan 2016 19:02
Operator : UM/SJ
Sample : G4986-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Quant Time: Jan 05 01:30:34 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



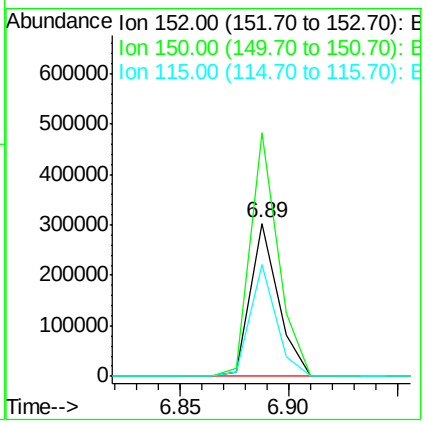


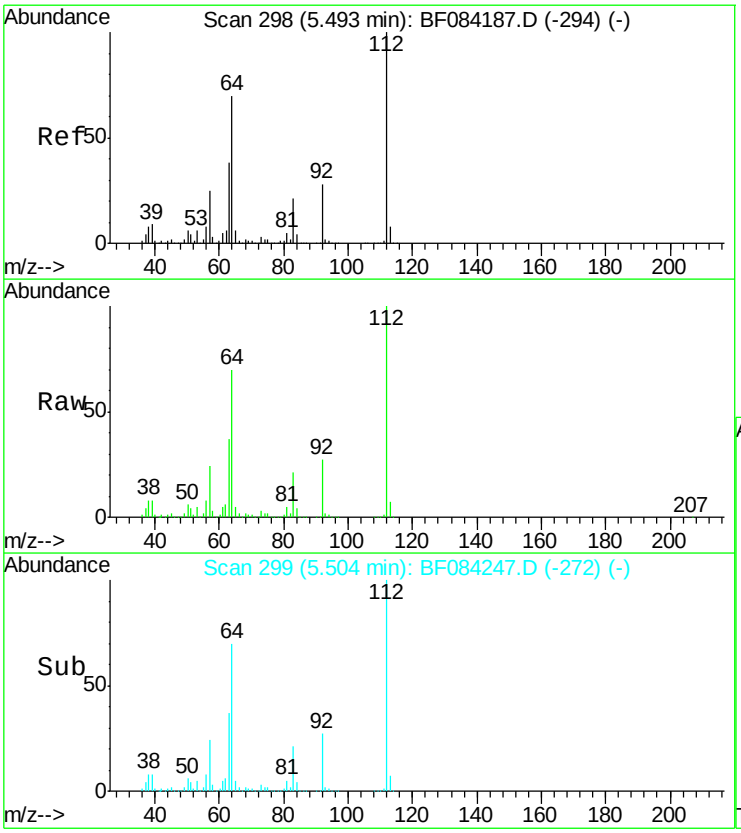

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:152 Resp: 271075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 123.0 | 184.4 |
| 115 | 73.3 | 51.4 | 77.2 |

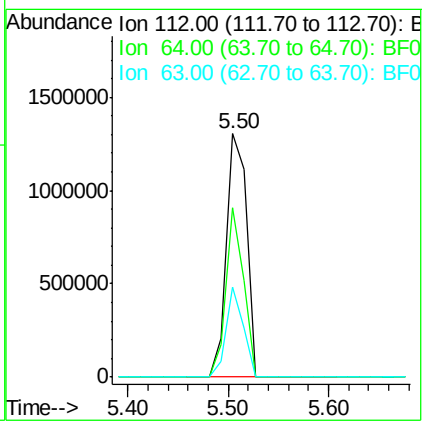


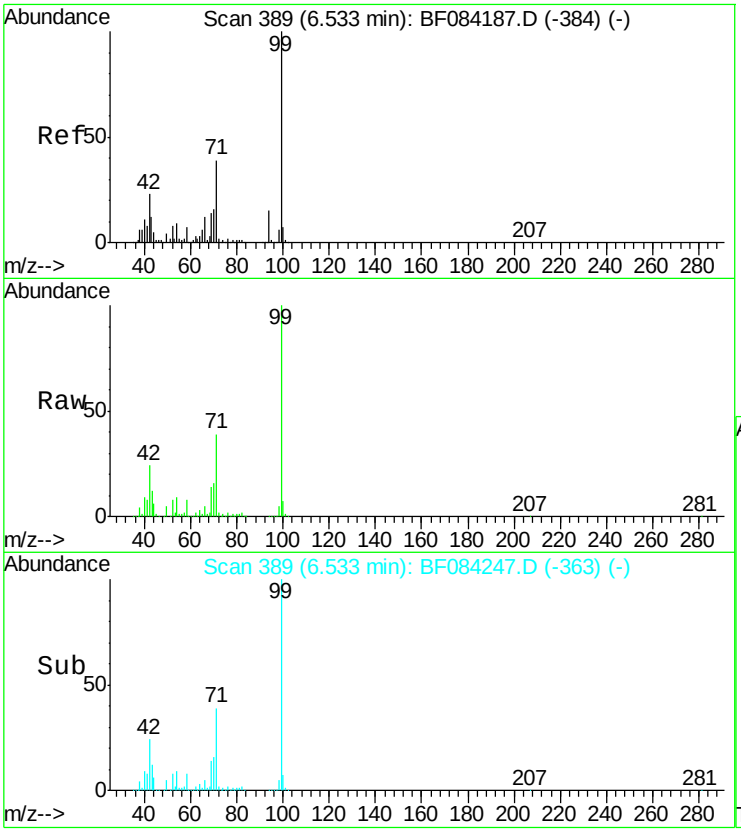




#5
2-Fluorophenol
Concen: 107.81 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:112 Resp: 1806883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.8 | 36.6 | 55.0# |
| 63 | 37.1 | 19.4 | 29.0# |



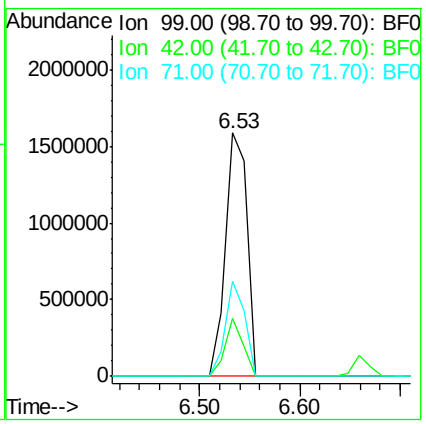


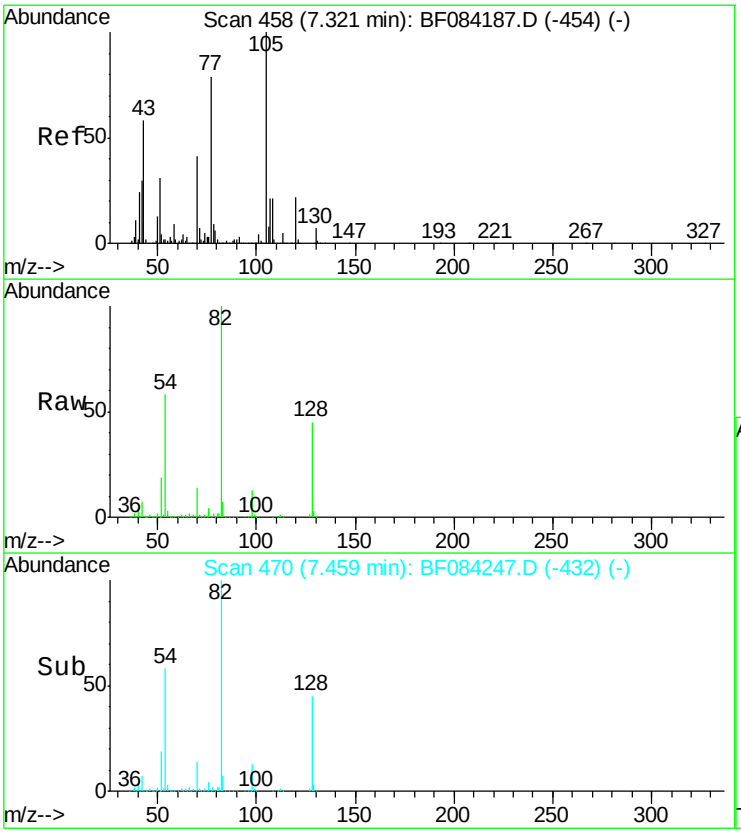

#7
Phenol-d6
Concen: 111.28 ng
RT: 6.53 min Scan# 389
Delta R.T. 0.00 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion: 99 Resp: 2342283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.6 | 12.8 | 19.2# |
| 71 | 39.0 | 30.9 | 46.3 |

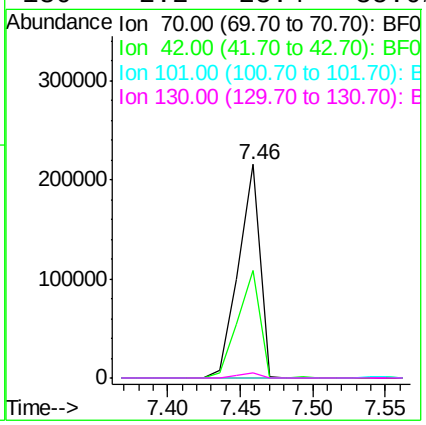


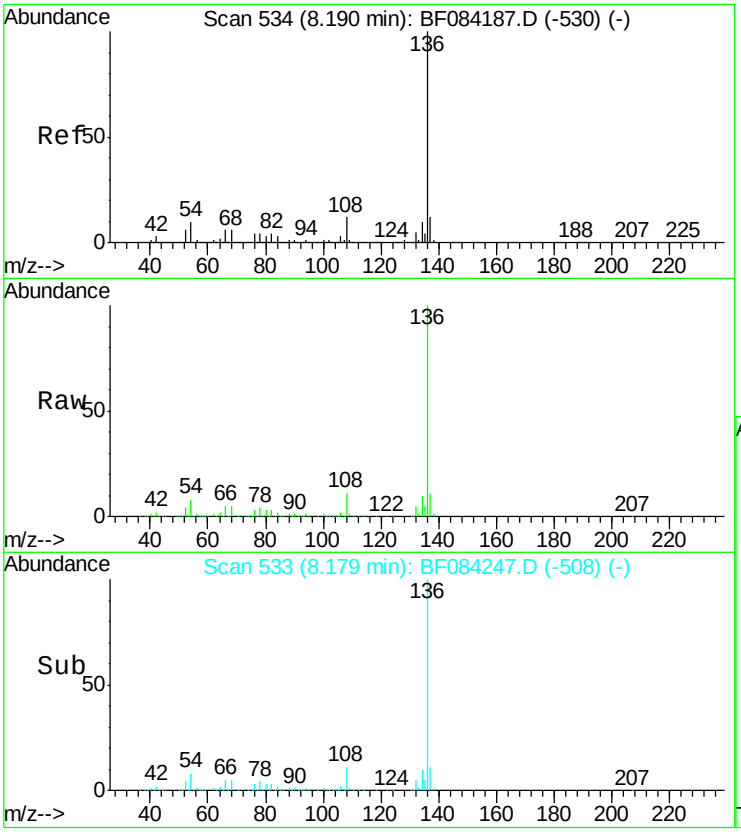




#19
n-Nitroso-di-n-propylamine
Concen: 15.65 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion: 70 Resp: 222949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.5 | 33.3 | 49.9# |
| 101 | 0.0 | 9.3 | 13.9# |
| 130 | 2.2 | 23.4 | 35.0# |



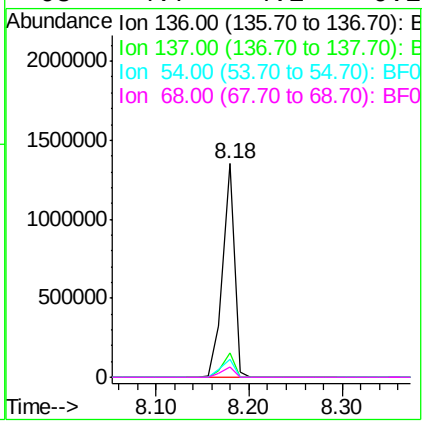


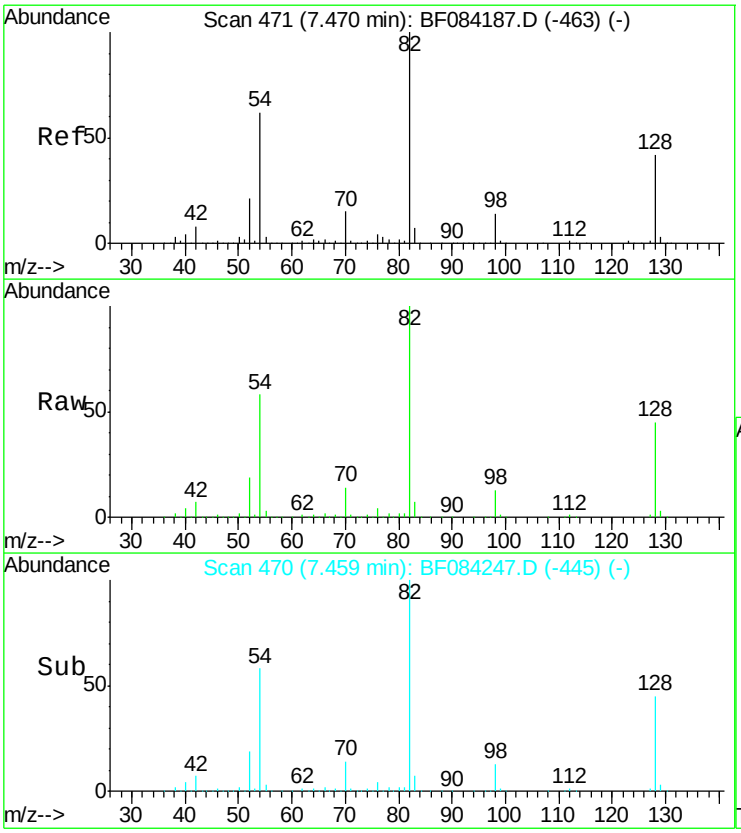

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:136 Resp: 1178472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.7 | 13.1 |
| 54 | 8.3 | 5.8 | 8.8 |
| 68 | 4.7 | 4.2 | 6.2 |

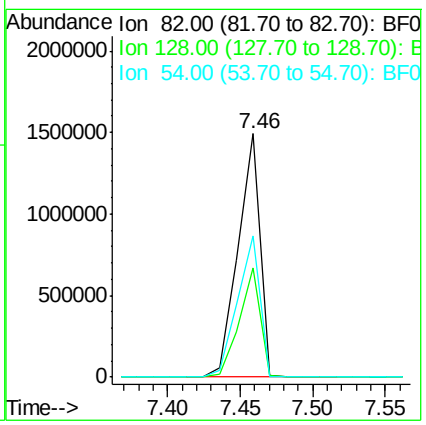


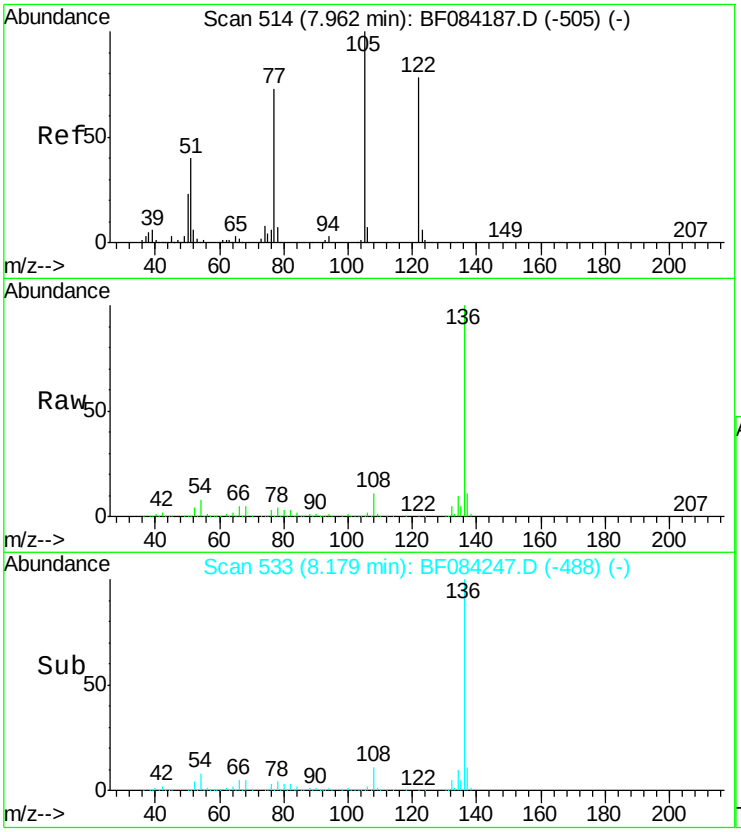




#23
Nitrobenzene-d5
Concen: 73.88 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion: 82 Resp: 1564319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 34.6 | 51.8 |
| 54 | 57.9 | 38.4 | 57.6# |



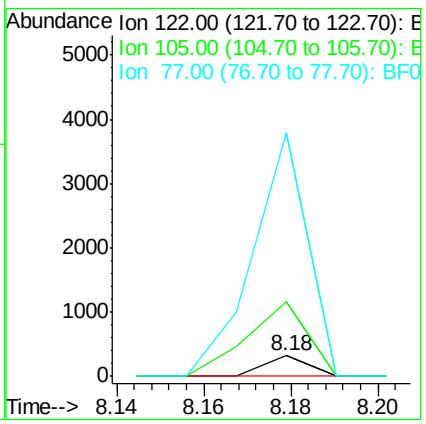


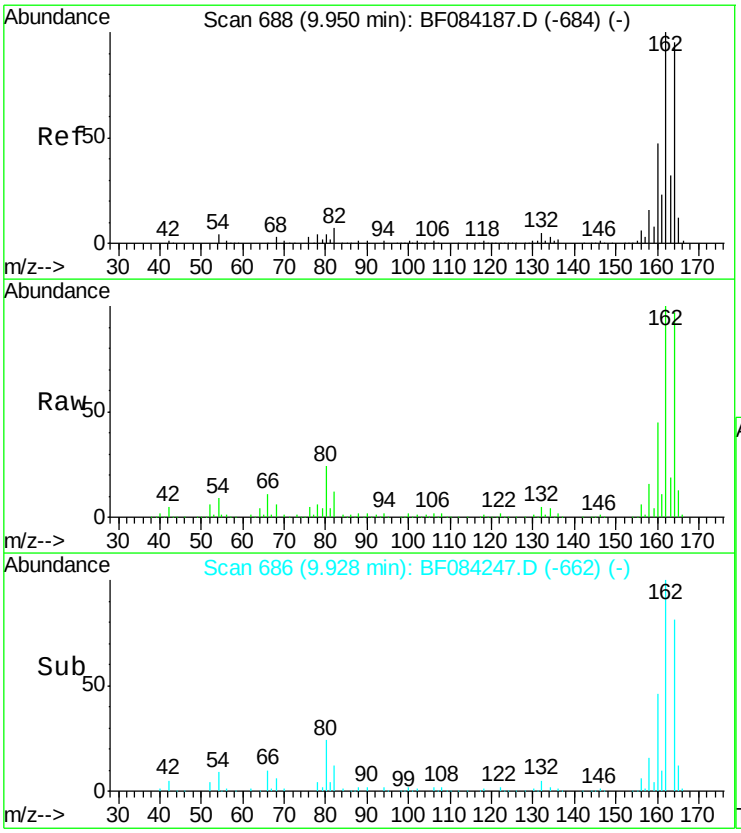

#32
Benzoic acid
Concen: 6.26 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.22 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:122 Resp: 217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 370.6 | 100.3 | 140.3# |
| 77 | 1199.1 | 63.5 | 103.5# |

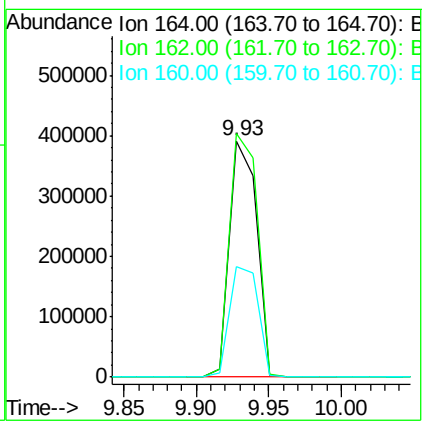


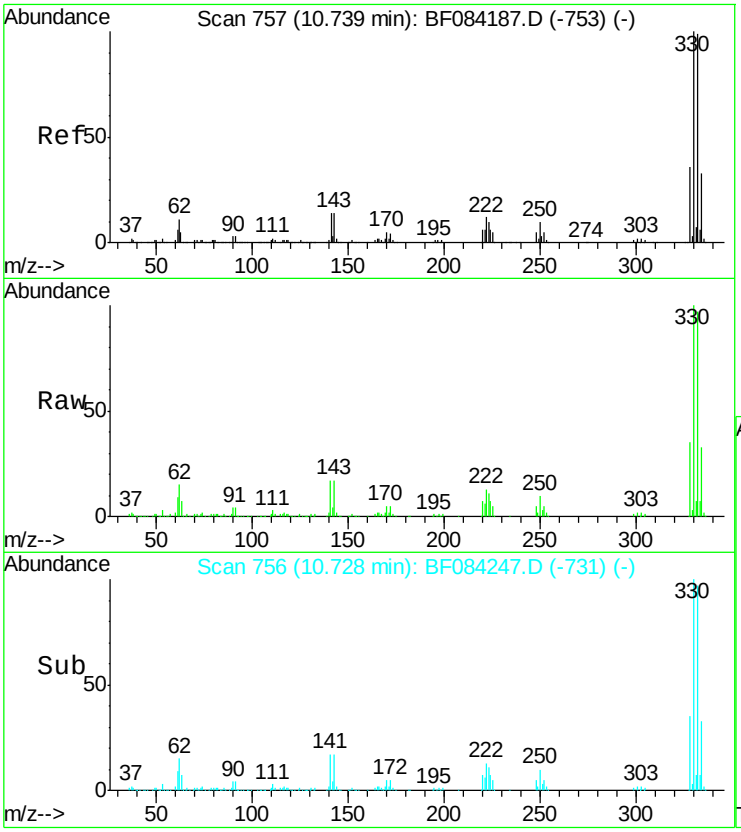




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:164 Resp: 509480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 85.1 | 127.7 |
| 160 | 46.7 | 37.5 | 56.3 |



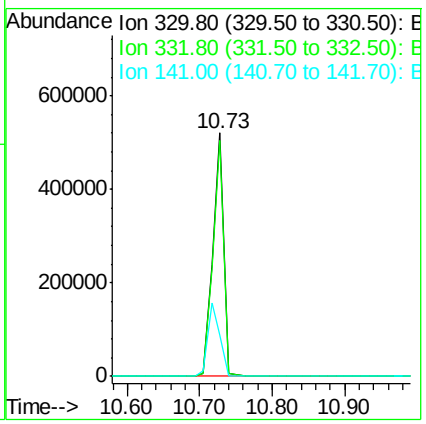


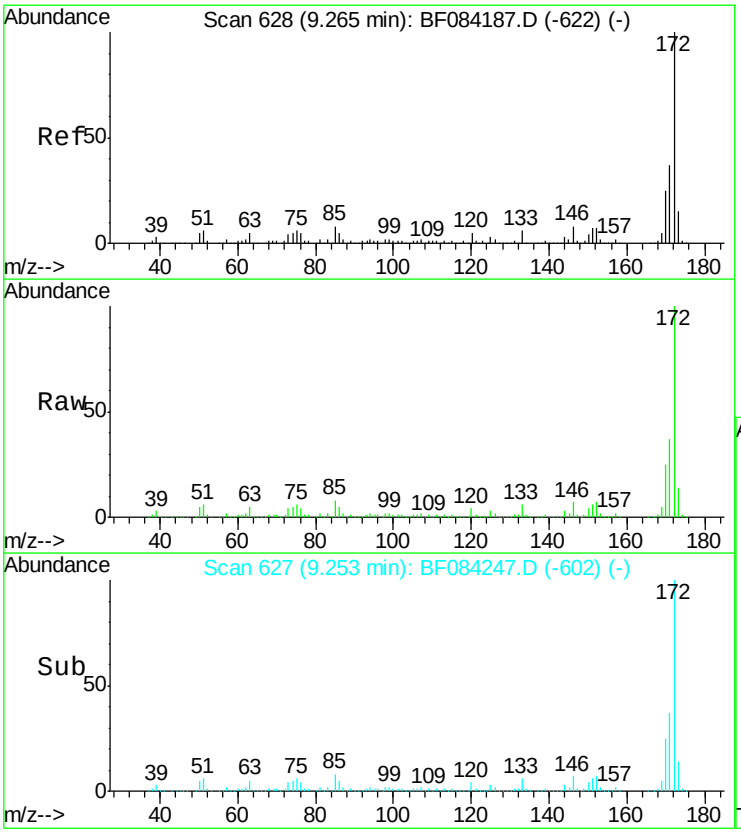

#41
2,4,6-Tribromophenol
Concen: 104.53 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:330 Resp: 537682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.6 | 114.8 |
| 141 | 33.6 | 27.8 | 41.6 |

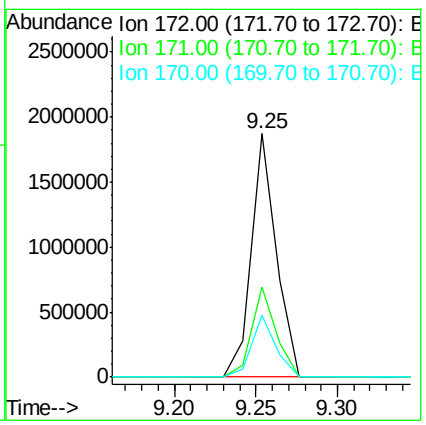


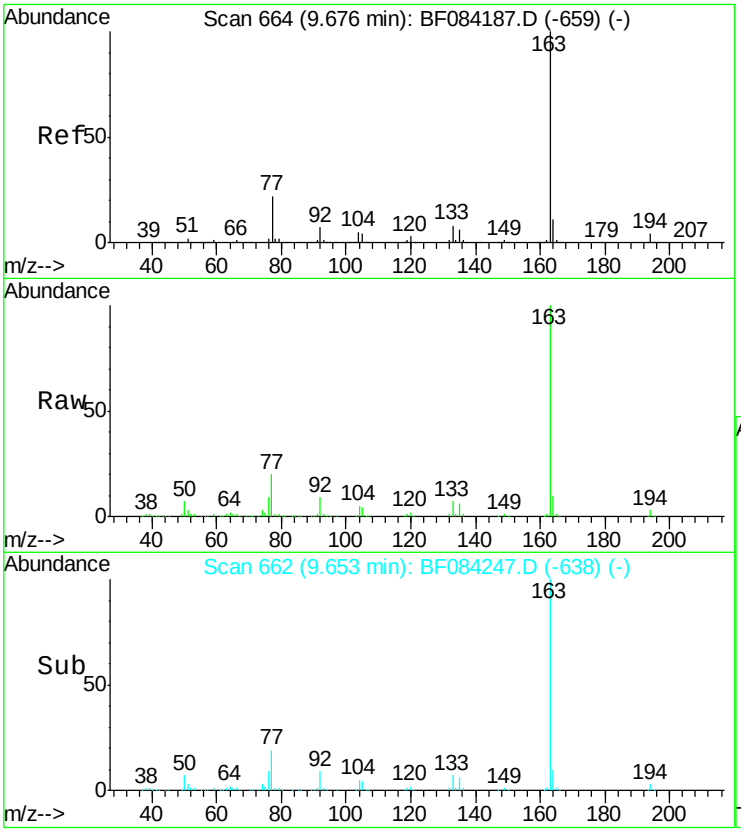




#44
2-Fluorobiphenyl
Concen: 67.40 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:172 Resp: 1990011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 28.9 | 43.3 |
| 170 | 25.2 | 18.6 | 27.8 |



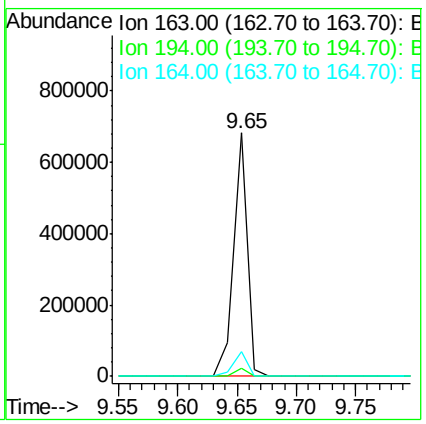


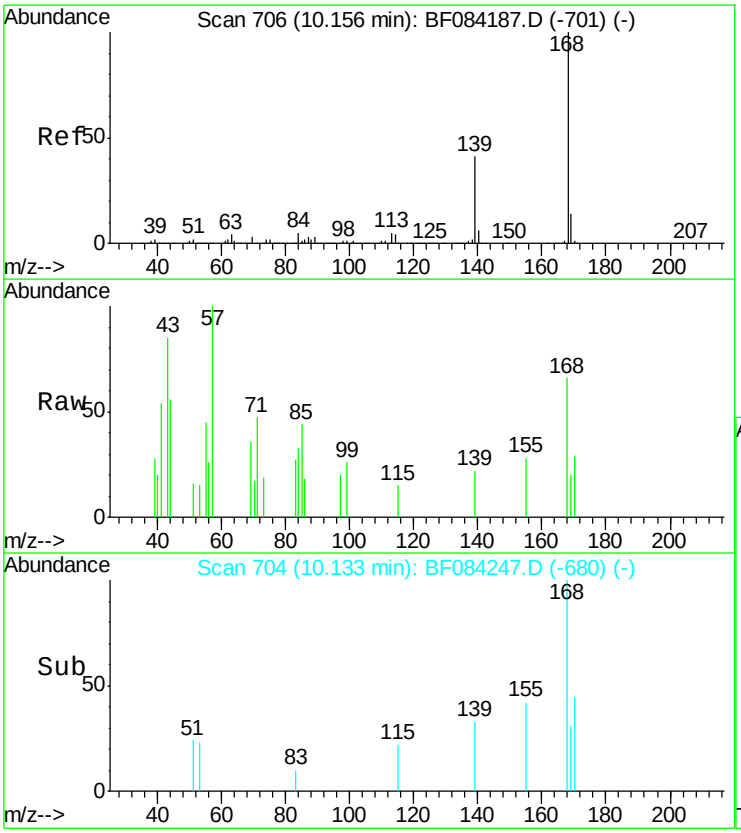

#49
Dimethylphthalate
Concen: 15.06 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:163 Resp: 548670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 8.0 | 12.0# |
| 164 | 10.1 | 8.0 | 12.0 |

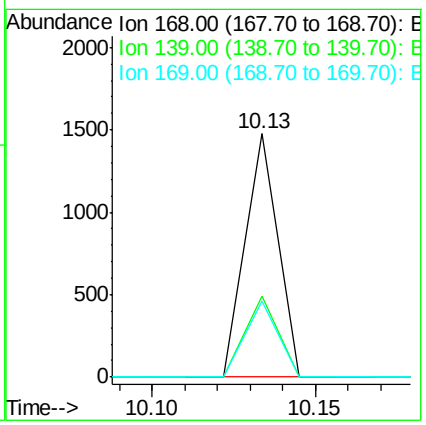


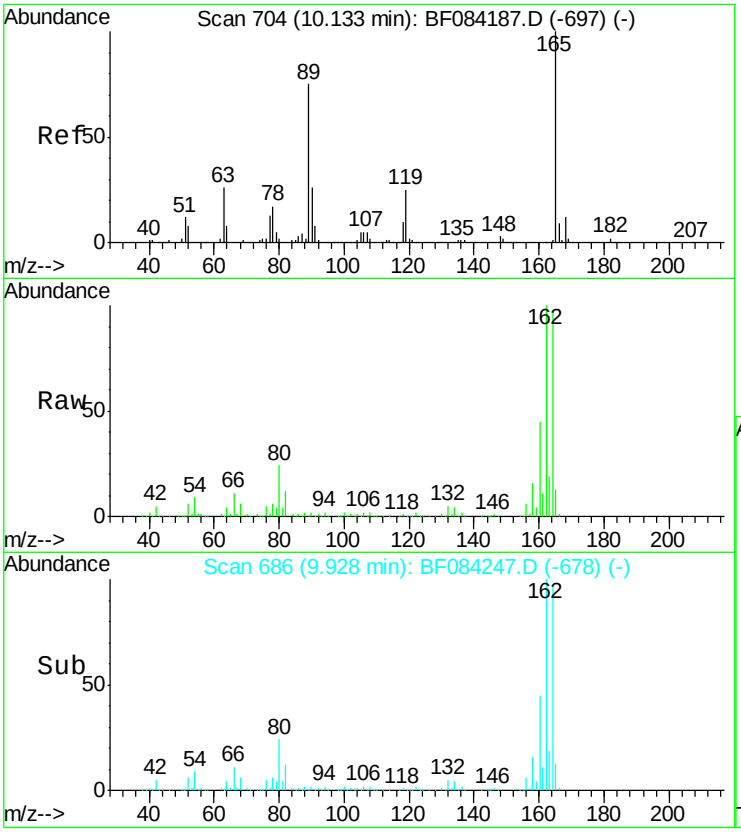




#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:168 Resp: 1013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 33.4 | 30.5 | 45.7 |
| 169 | 31.1 | 10.4 | 15.6# |



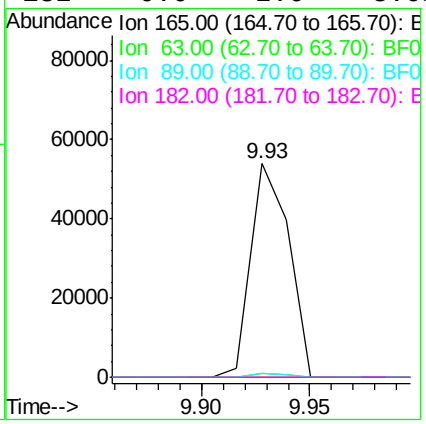


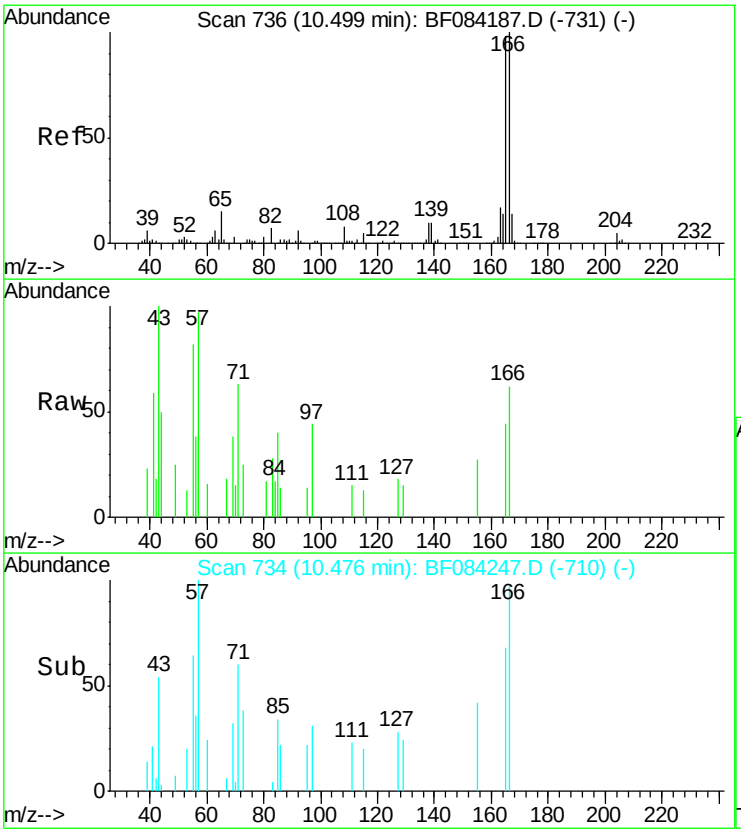

#56
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:165 Resp: 65797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.6 | 36.7 | 55.1# |
| 89 | 1.9 | 61.9 | 92.9# |
| 182 | 0.0 | 2.0 | 3.0# |

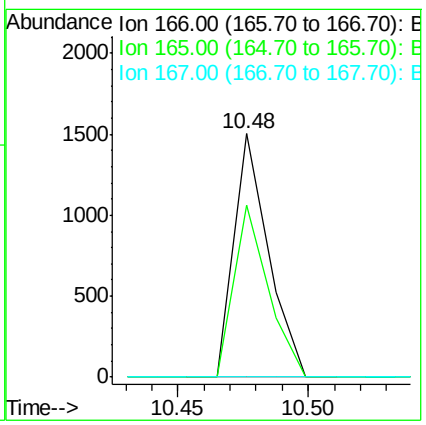


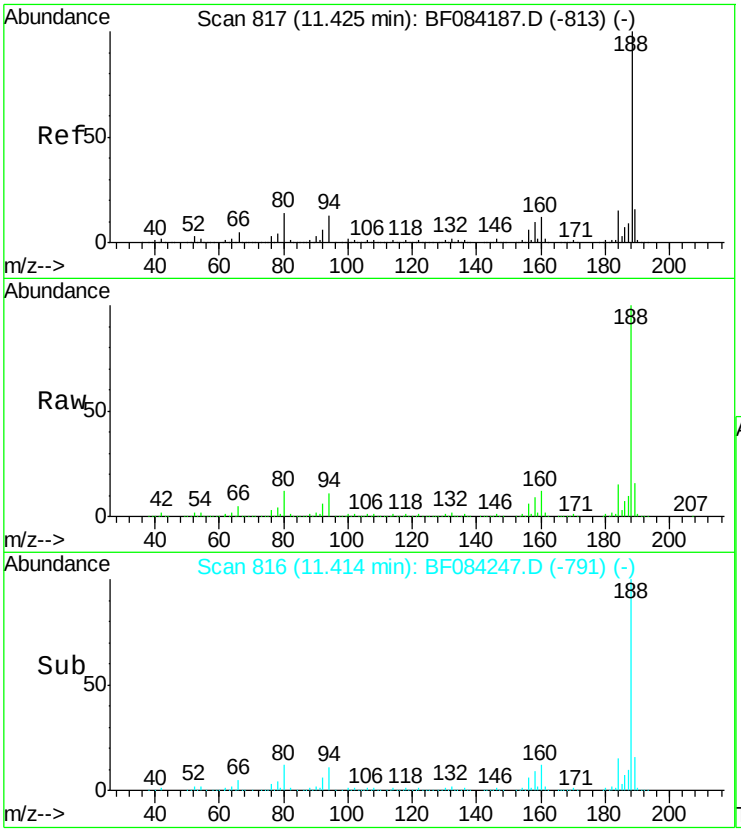




#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:166 Resp: 1391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 70.8 | 79.1 | 118.7# |
| 167 | 0.0 | 10.4 | 15.6# |



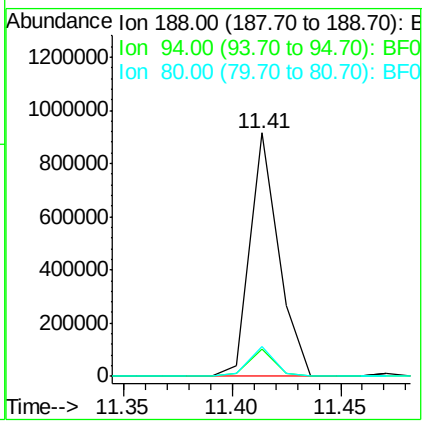


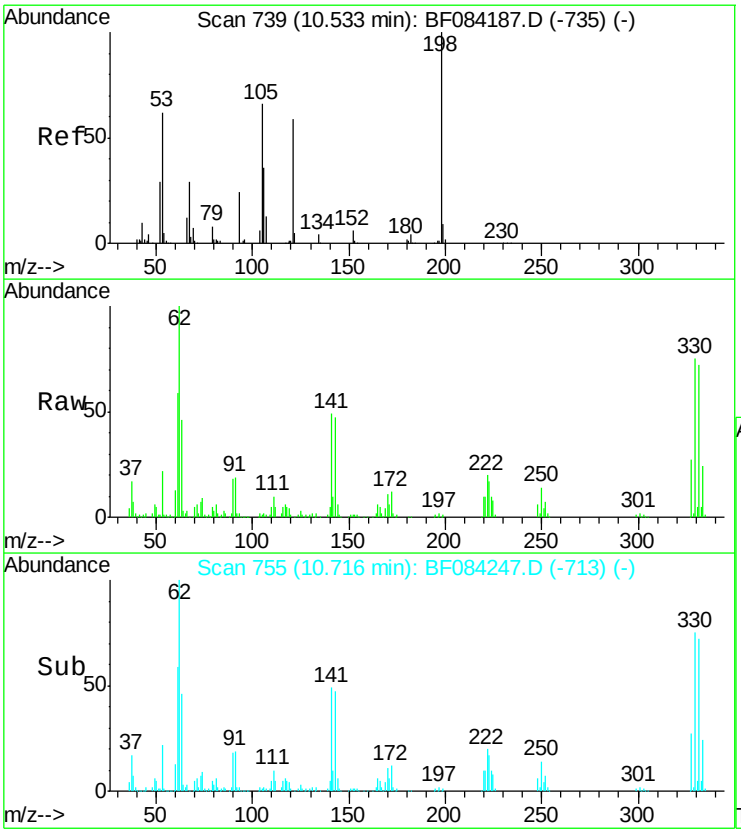

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:188 Resp: 842531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.3 | 9.0 | 13.4 |
| 80 | 12.3 | 9.6 | 14.4 |

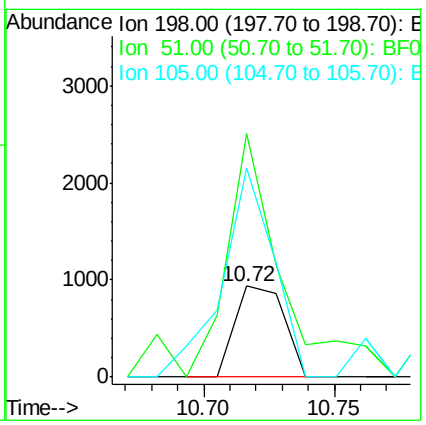


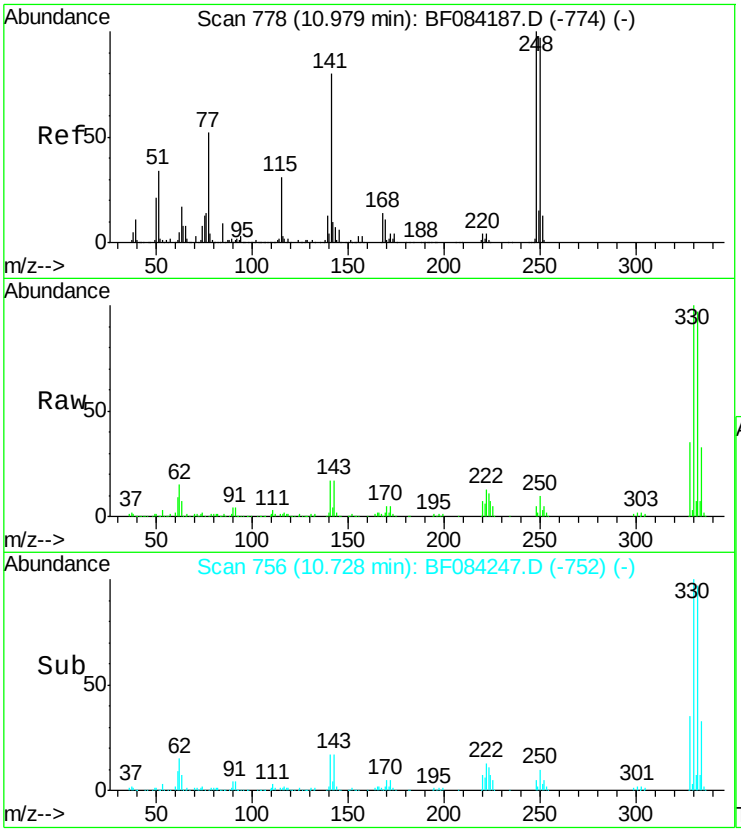




#64
4,6-Dinitro-2-methylphenol
Concen: 6.60 ng
RT: 10.72 min Scan# 755
Delta R.T. 0.18 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:198 Resp: 1230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 267.7 | 18.9 | 58.9# |
| 105 | 230.2 | 26.4 | 66.4# |



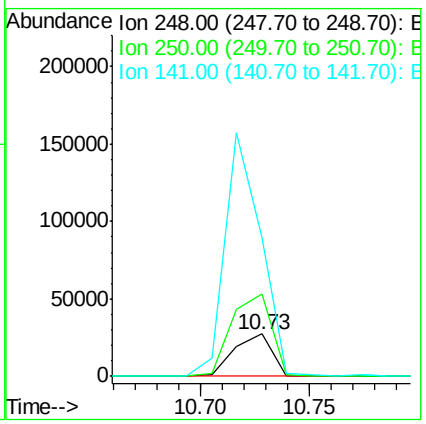


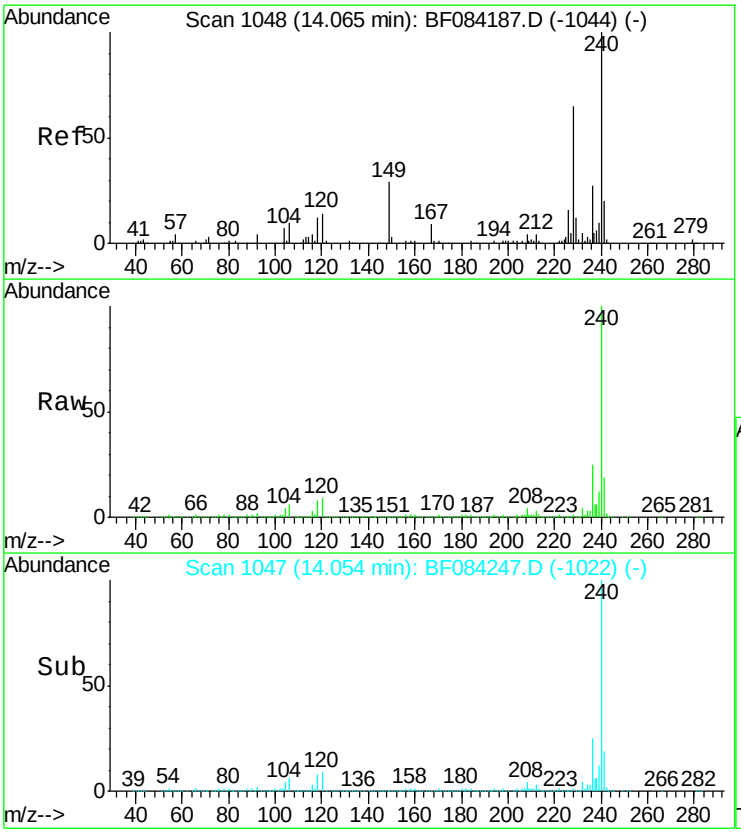

#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.25 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:248 Resp: 32352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 196.1 | 78.4 | 117.6# |
| 141 | 329.1 | 44.0 | 66.0# |

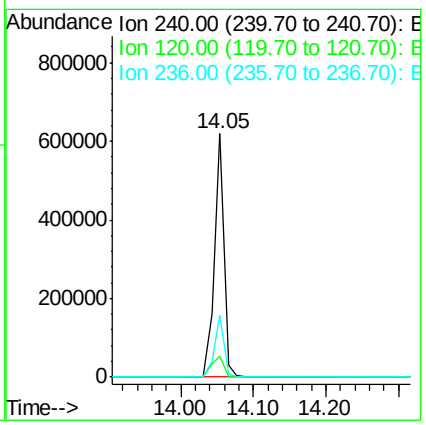


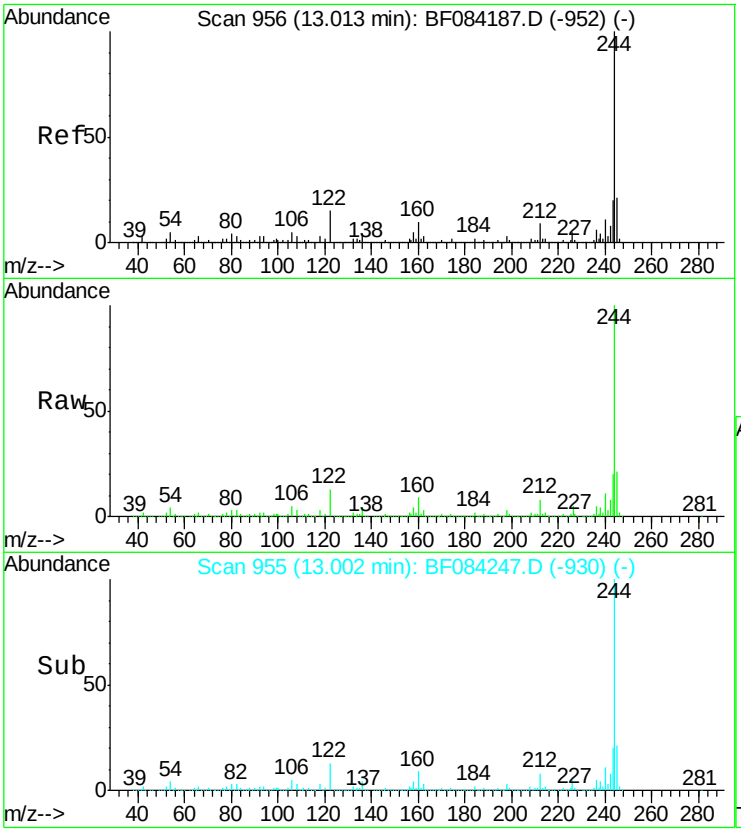




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:240 Resp: 566331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 9.5 | 14.3# |
| 236 | 25.1 | 20.6 | 31.0 |



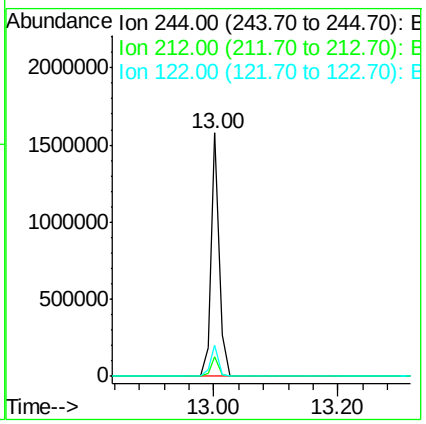


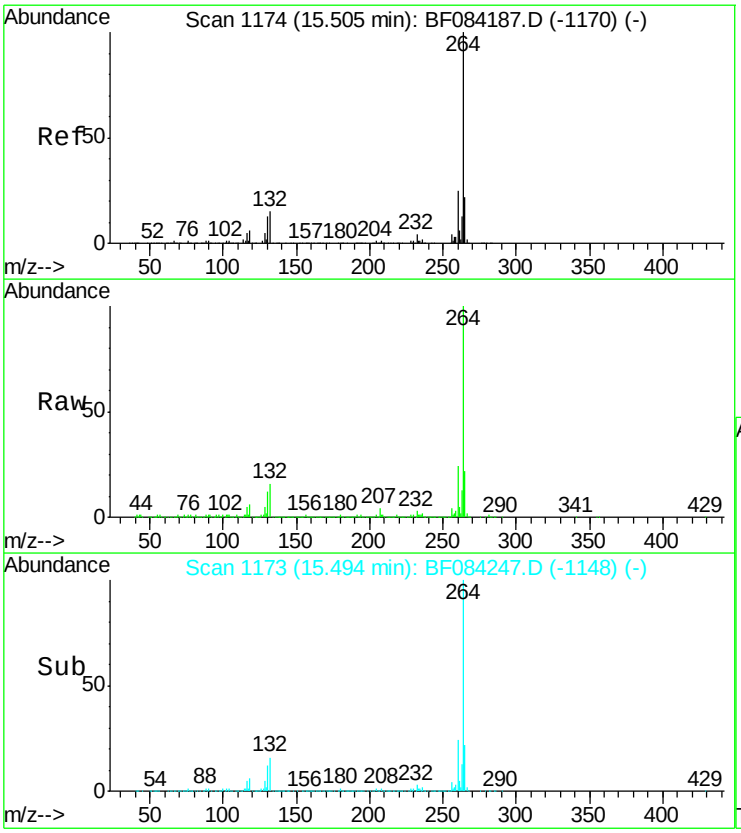

#78
Terphenyl-d14
Concen: 55.34 ng
RT: 13.00 min Scan# 955
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

**Instrument :**
BNA_F
**ClientSampleId :**
PJ-SB-10-1.5-2.0

Tgt Ion:244 Resp: 1404063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.7 | 8.5 |
| 122 | 12.9 | 7.4 | 11.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:264 Resp: 552949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.2 |
| 265 | 22.3 | 17.8 | 26.6 |