Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113016\
Data File : BF091348.D
Acq On : 30 Nov 2016 12:23
Operator : UM/SJ
Sample : H5749-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GRID-MM4-3

Quant Time: Nov 30 17:55:51 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 171788 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 724098 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 390587 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 682653 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 14.01 | 240 | 492947 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 15.44 | 264 | 373690 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1224361 | 116.43 | ng | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1393005 | 107.61 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1221634 | 94.55 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 461587 | 124.83 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1914862 | 88.77 | ng | -0.02 |
| 78) Terphenyl-d14 | 12.97 | 244 | 2110073 | 93.04 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.17 | 128 | 99049 | 2.88 | ng | 98 |

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

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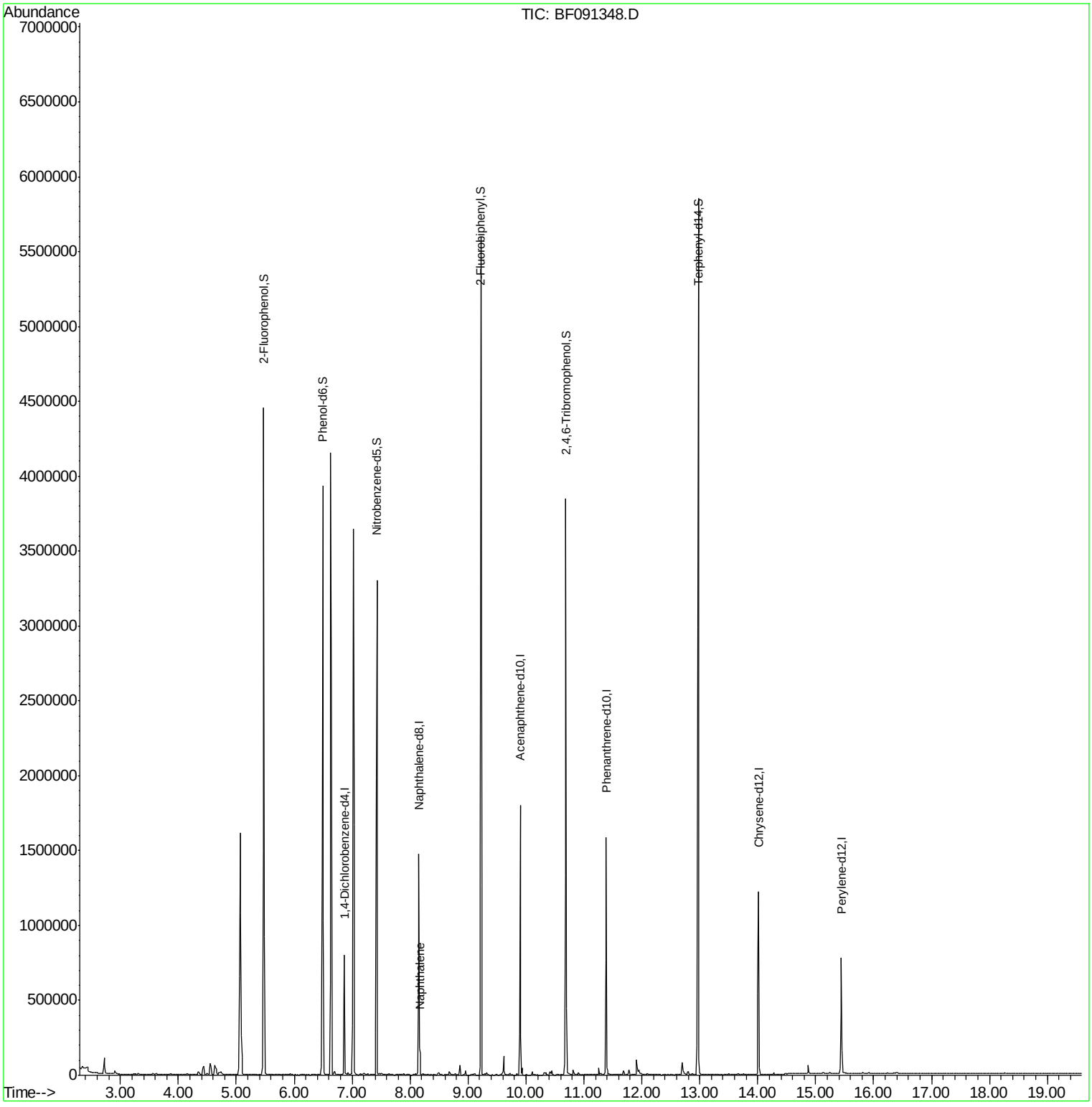
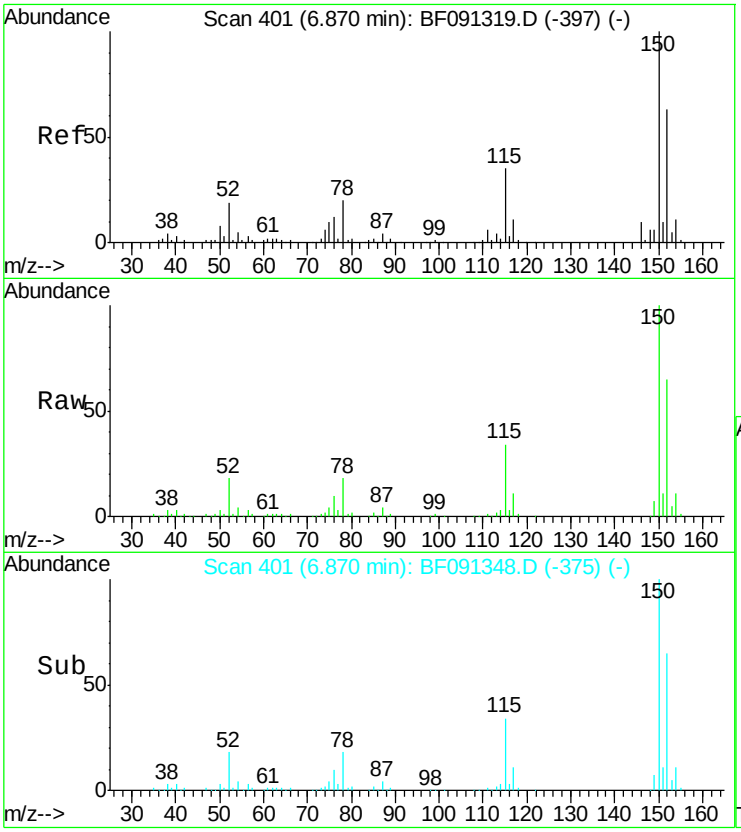


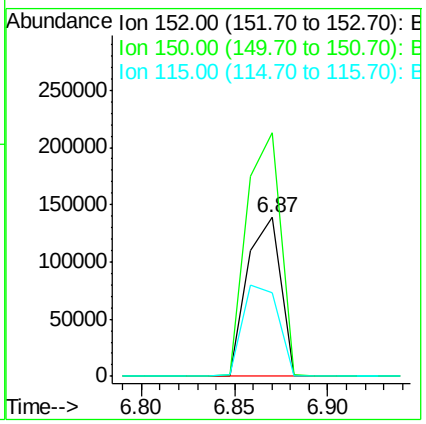


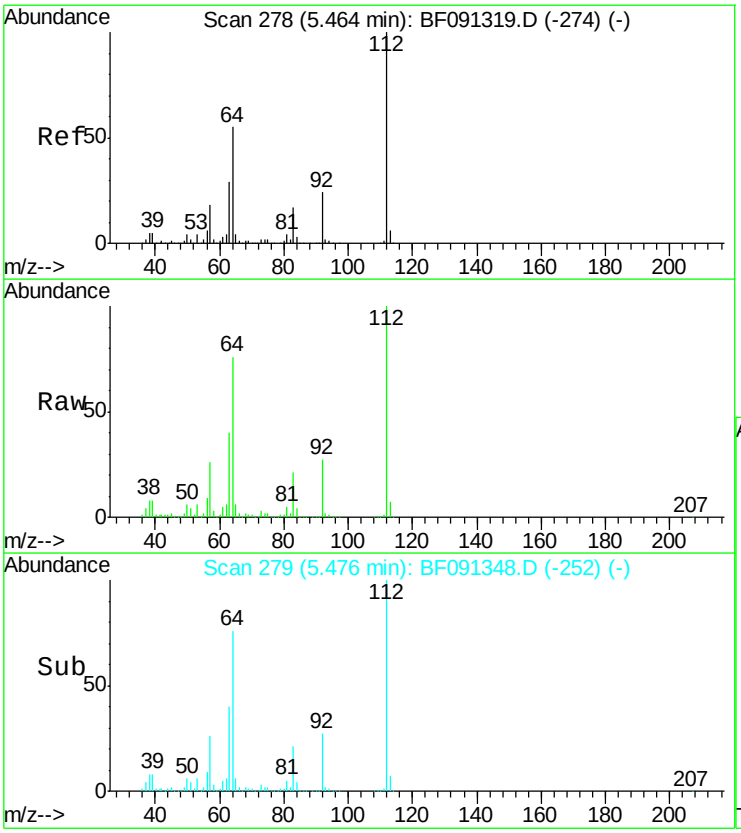

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion:152 Resp: 171788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.2 | 122.5 | 183.7 |
| 115 | 52.7 | 51.8 | 77.8 |

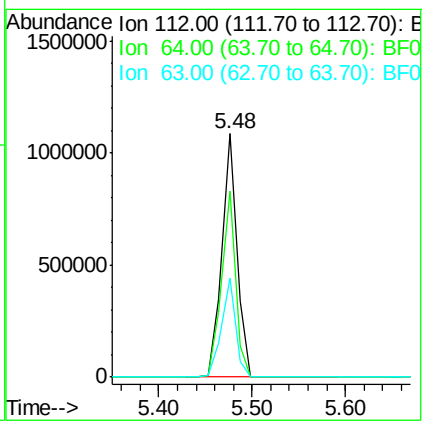


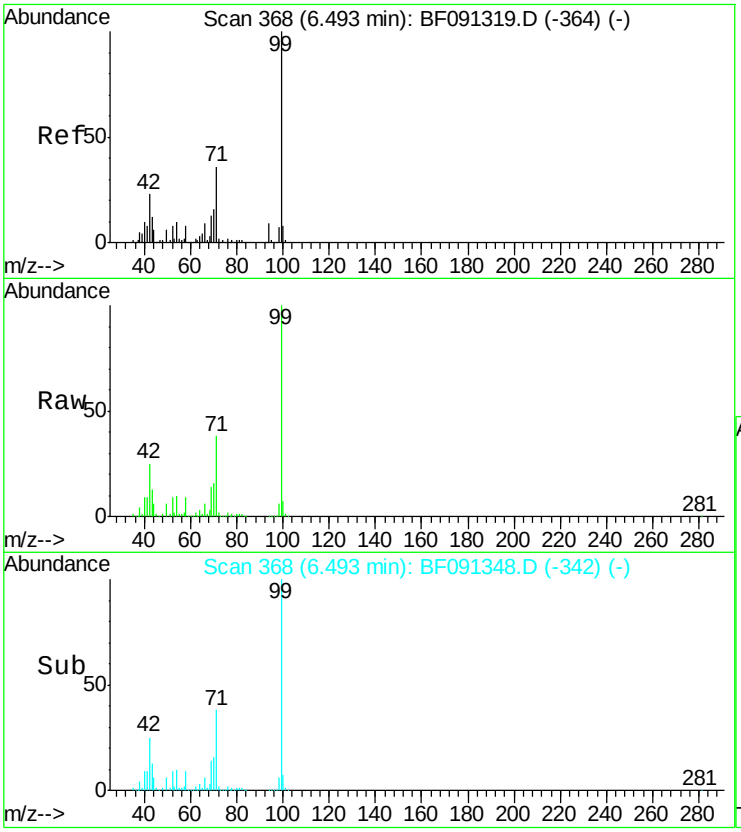




#5
2-Fluorophenol
Concen: 116.43 ng
RT: 5.48 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:112 Resp: 1224361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 76.2 | 61.5 | 92.3 |
| 63 | 40.4 | 33.3 | 49.9 |



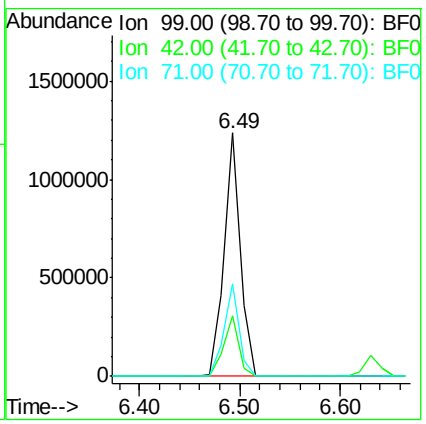


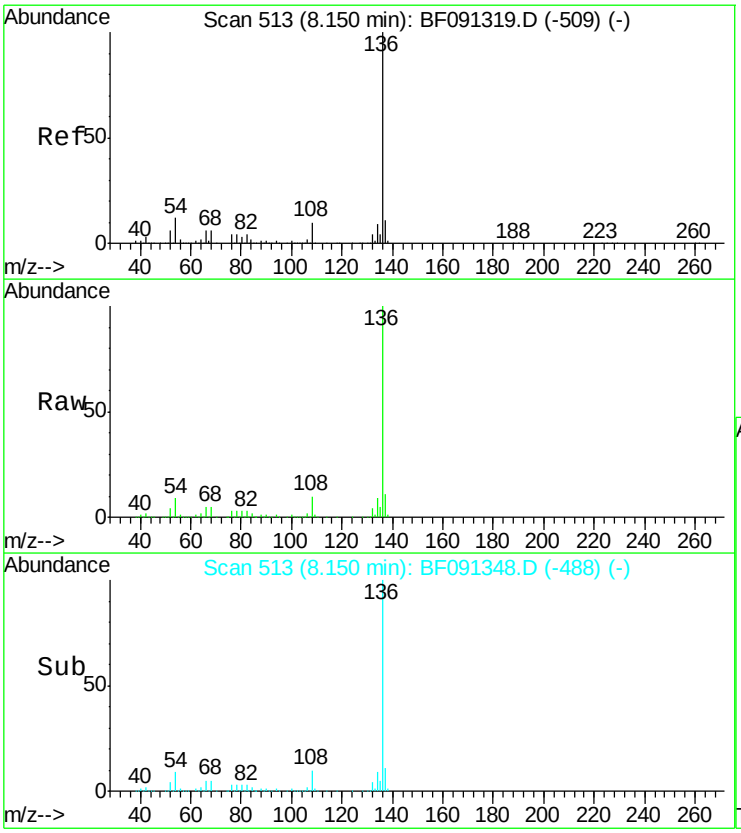

#7
Phenol-d6
Concen: 107.61 ng
RT: 6.49 min Scan# 368
Delta R.T. -0.01 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion: 99 Resp: 1393005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.7 | 20.6 | 31.0 |
| 71 | 38.2 | 29.9 | 44.9 |

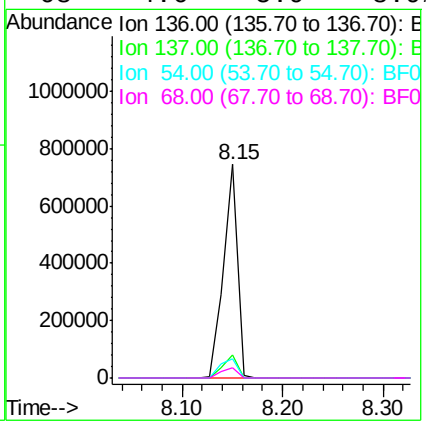


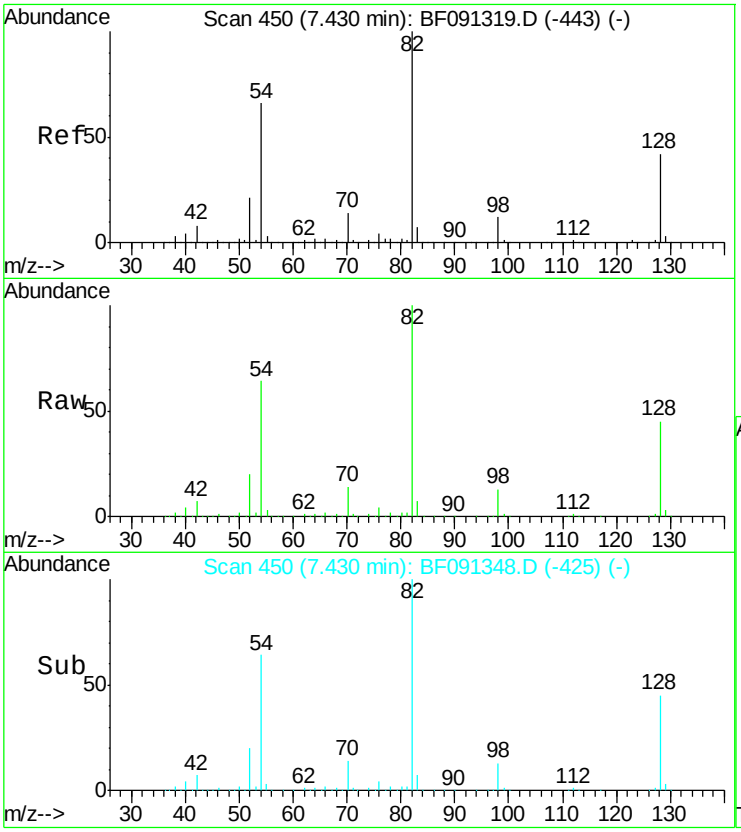




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:136 Resp: 724098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.1 | 13.7 |
| 54 | 9.1 | 9.1 | 13.7# |
| 68 | 4.6 | 5.9 | 8.9# |



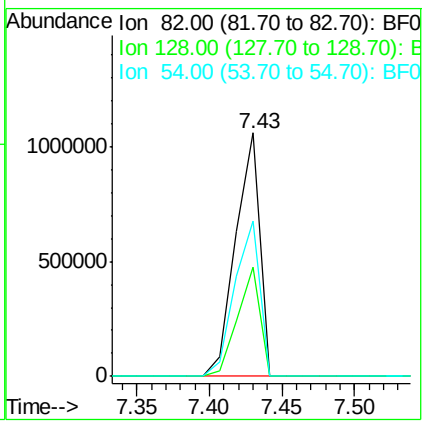


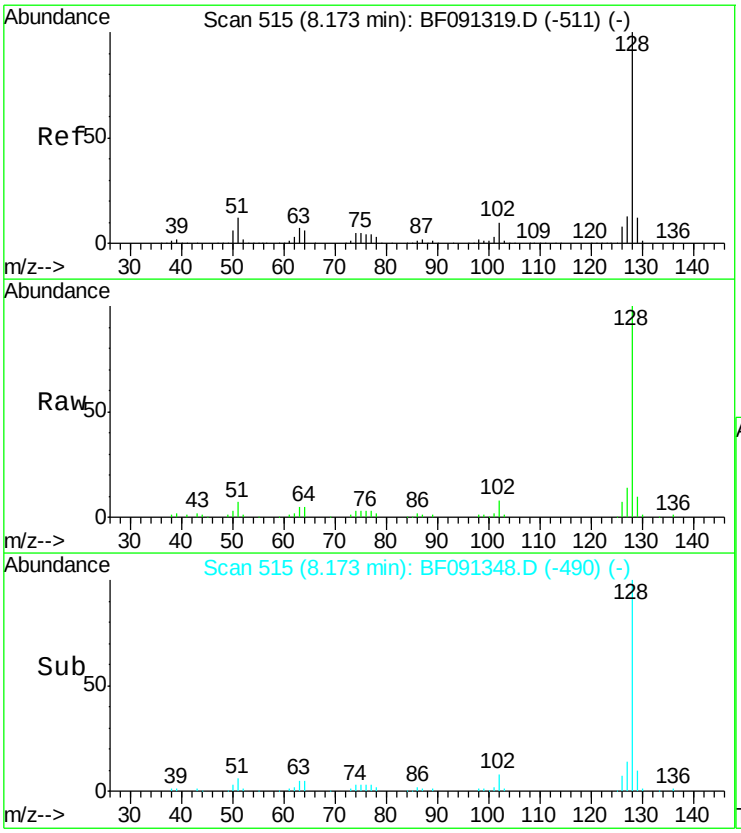

#23
Nitrobenzene-d5
Concen: 94.55 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion: 82 Resp: 1221634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 31.8 | 47.6 |
| 54 | 63.9 | 49.1 | 73.7 |

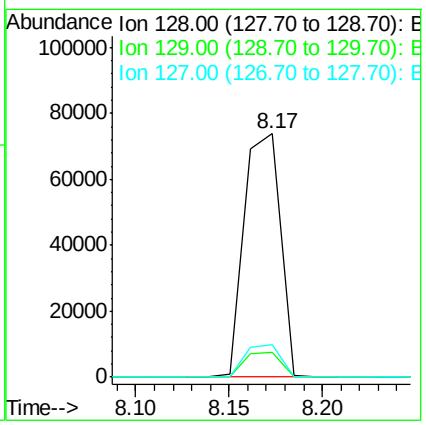


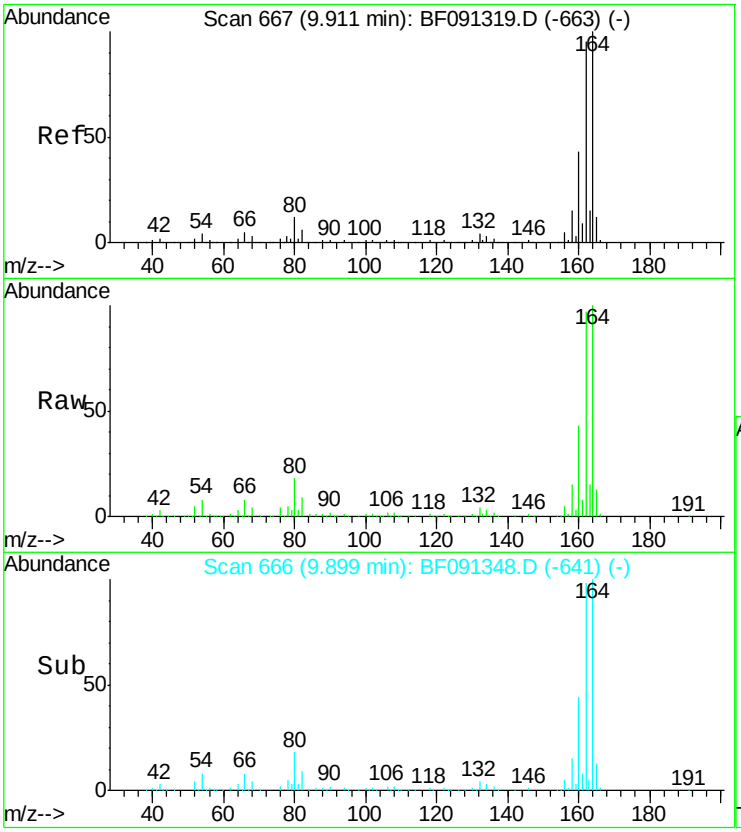




#31
Naphthalene
Concen: 2.88 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:128 Resp: 99049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.1 | 9.1 | 13.7 |
| 127 | 13.5 | 11.0 | 16.4 |



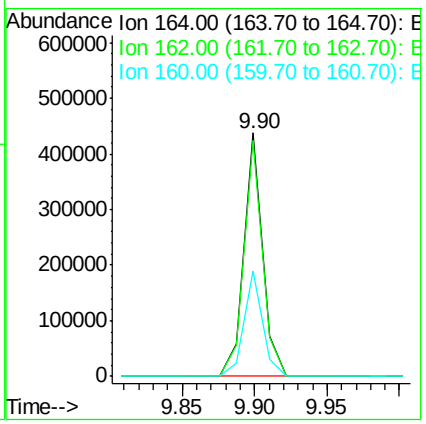


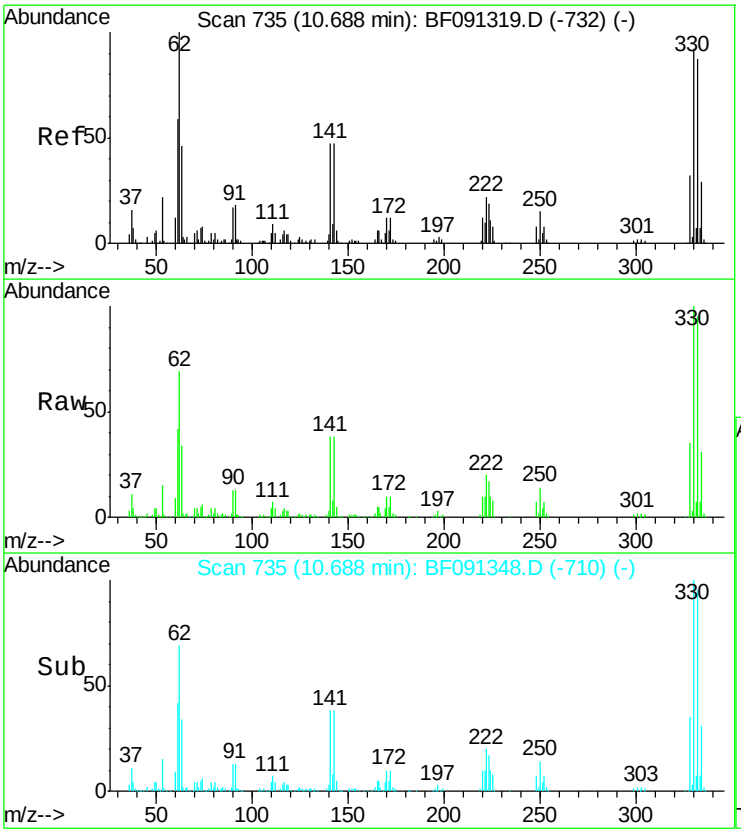

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion:164 Resp: 390587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.9 | 82.6 | 124.0 |
| 160 | 43.3 | 36.7 | 55.1 |

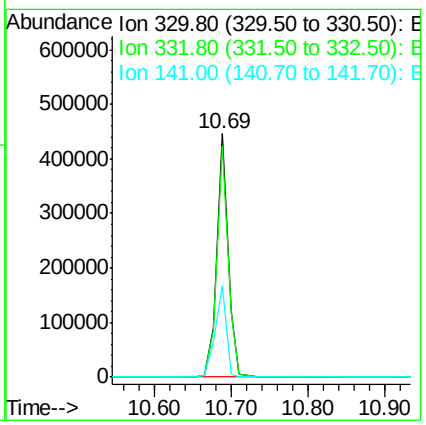


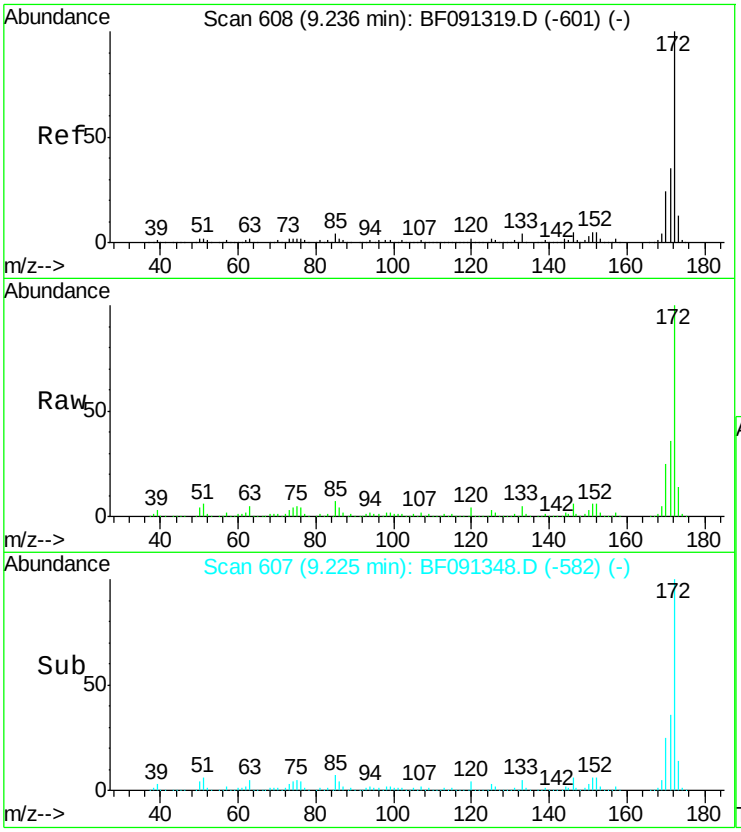




#41
2,4,6-Tribromophenol
Concen: 124.83 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:330 Resp: 461587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 76.2 | 114.4 |
| 141 | 36.4 | 33.6 | 50.4 |



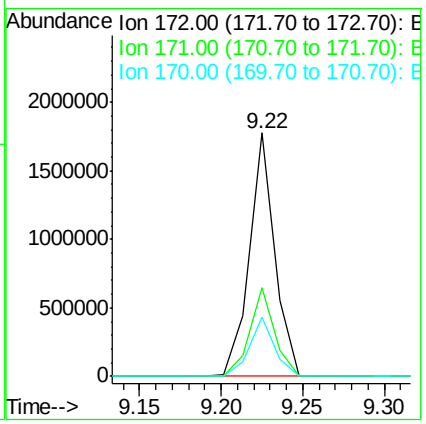


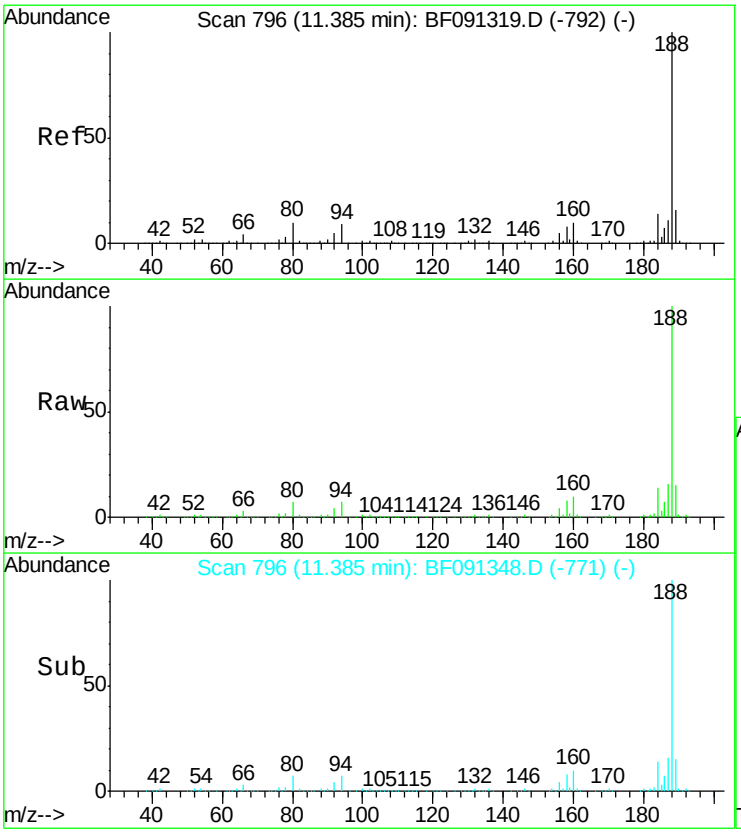

#44
2-Fluorobiphenyl
Concen: 88.77 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion:172 Resp: 1914862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.4 | 44.0 |
| 170 | 24.5 | 19.7 | 29.5 |

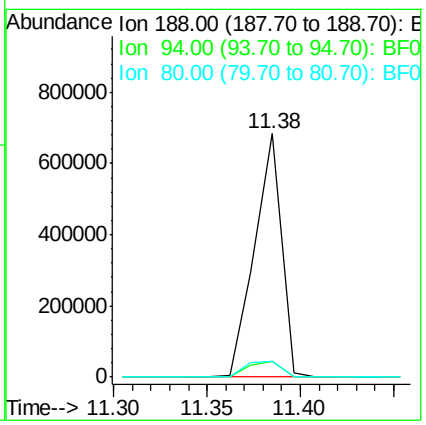


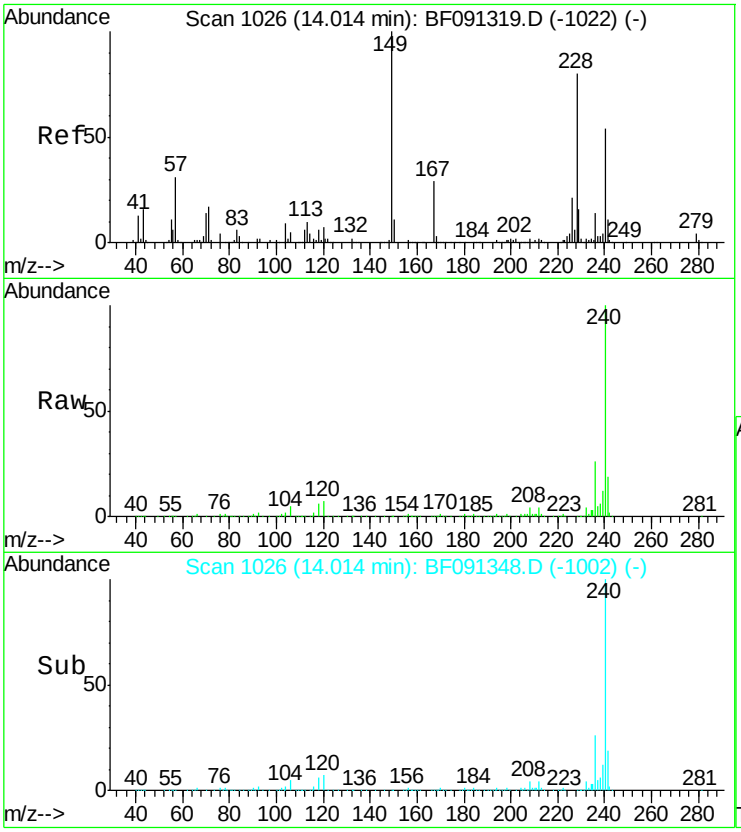




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:188 Resp: 682653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.5 | 9.2 | 13.8# |
| 80 | 6.5 | 10.5 | 15.7# |



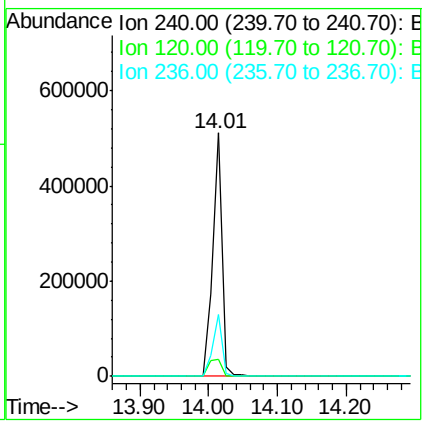


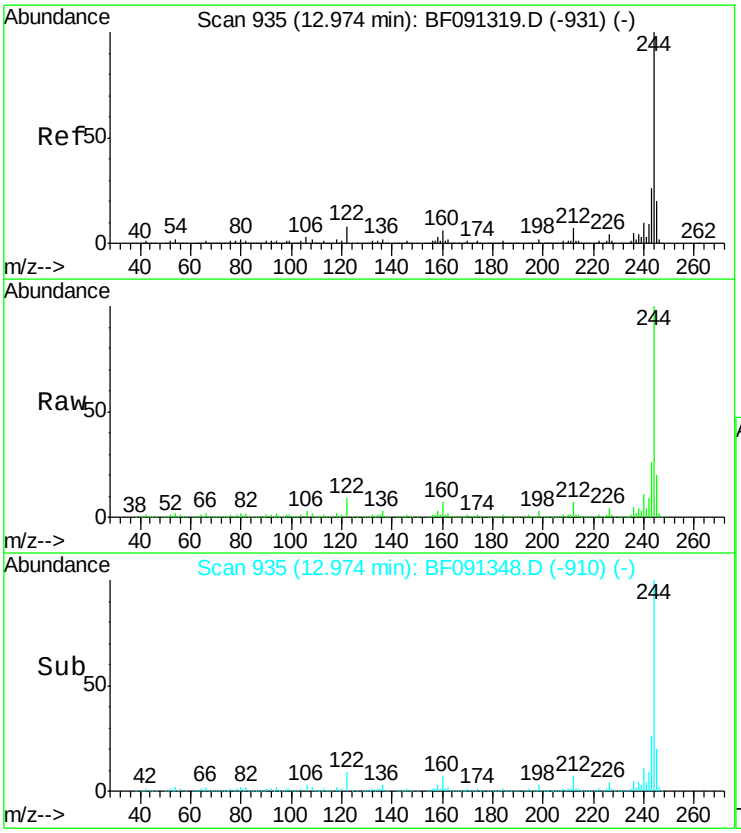

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion:240 Resp: 492947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.0 | 12.1 | 18.1# |
| 236 | 25.5 | 21.0 | 31.6 |

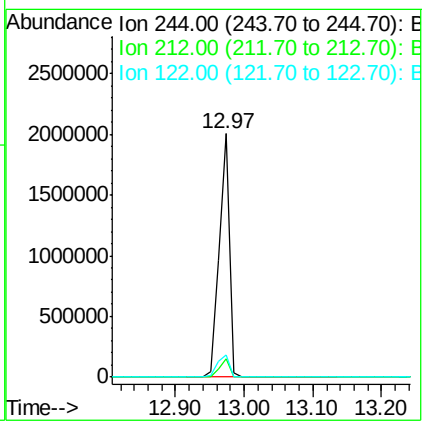


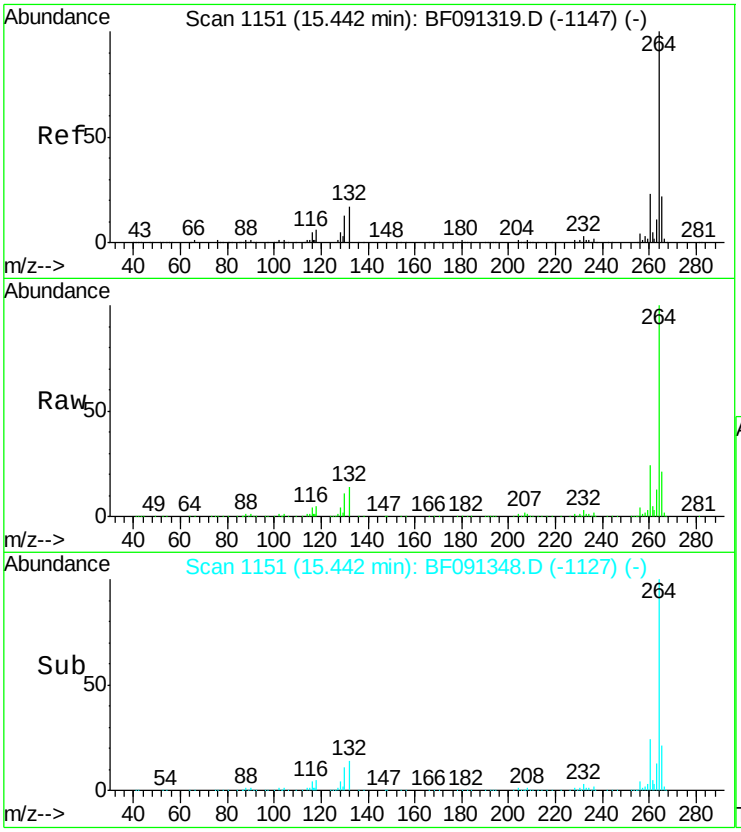




#78
Terphenyl-d14
Concen: 93.04 ng
RT: 12.97 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

Tgt Ion:244 Resp: 2110073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.5 | 9.7 |
| 122 | 9.1 | 9.5 | 14.3# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091348.D
Acq: 30 Nov 2016 12:23

**Instrument :**
BNA_F
**ClientSampleId :**
GRID-MM4-3

Tgt Ion:264 Resp: 373690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.8 | 28.2 |
| 265 | 21.0 | 17.0 | 25.6 |