Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085651.D
Acq On : 22 Mar 2016 7:07
Operator : UM/SJ
Sample : H1838-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-1

Quant Time: Mar 22 07:59:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 125882 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.13 | 136 | 515295 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 207607 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 327351 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 13.99 | 240 | 235449 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.42 | 264 | 241992 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 808579 | 107.89 | ng | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 1087623 | 113.15 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 683074 | 76.95 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 211093 | 103.80 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 1074313 | 89.45 | ng | -0.02 |
| 78) Terphenyl-d14 | 12.95 | 244 | 858489 | 87.74 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 8.15 | 128 | 161775 | 6.22 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 47428 | 2.99 | ng | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
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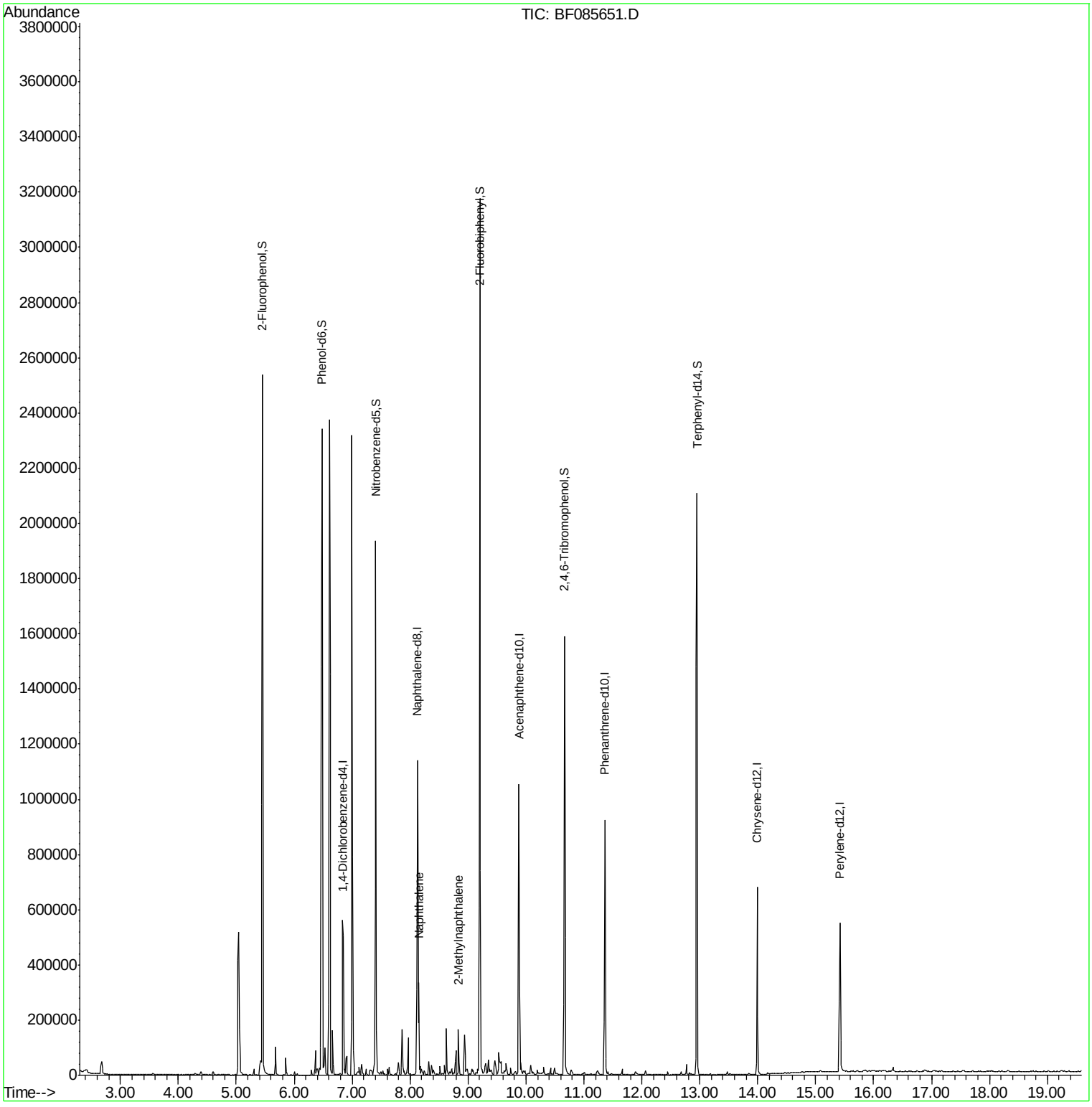
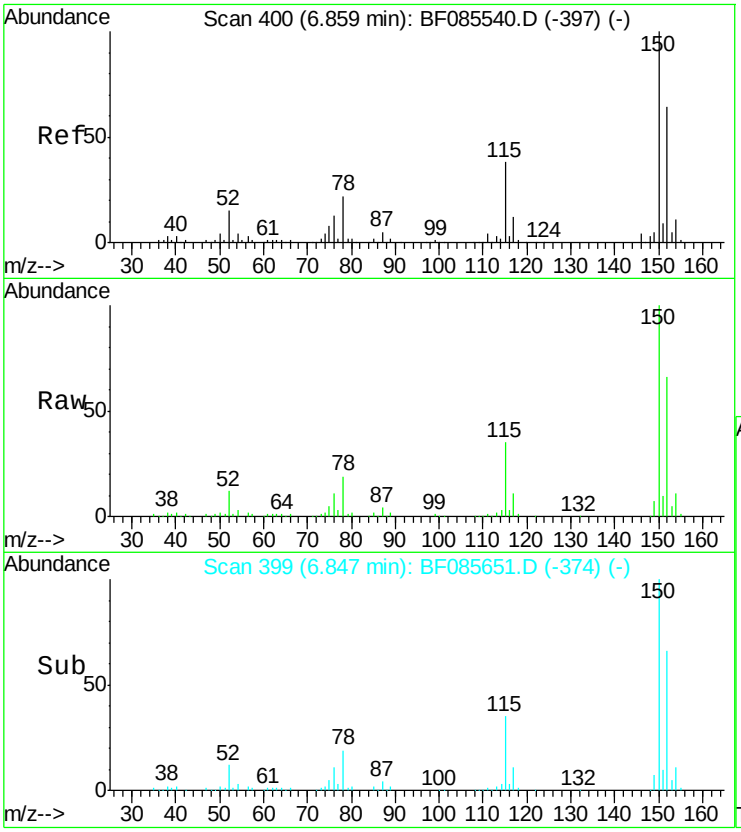
Acq On : 22 Mar 2016 7:07
Operator : UM/SJ
Sample : H1838-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Quant Time: Mar 22 07:59:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration



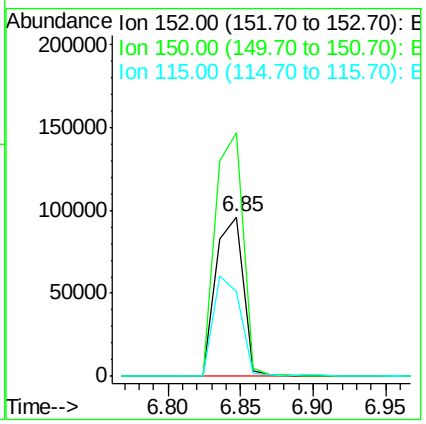


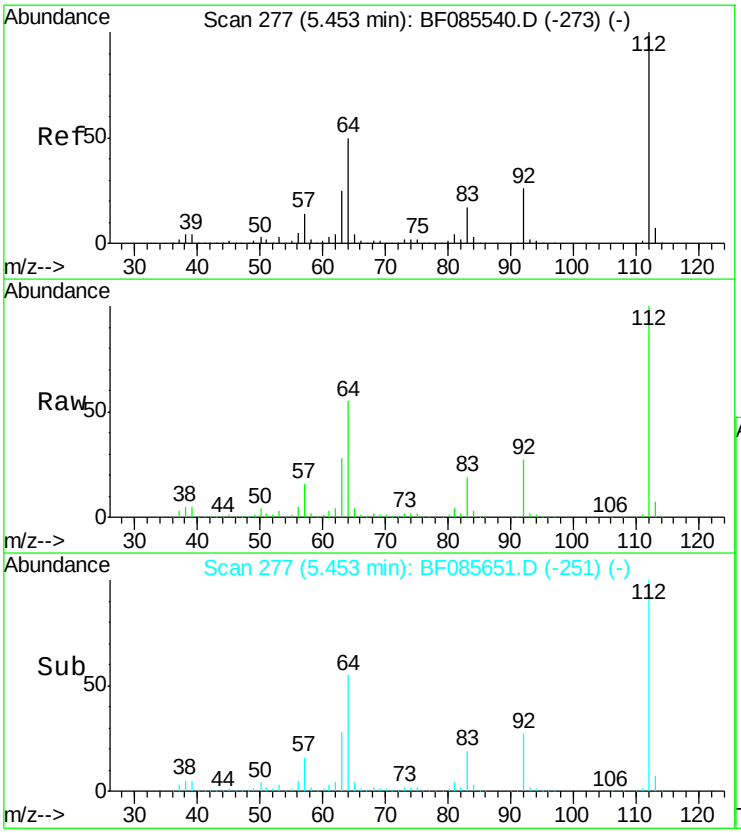

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion:152 Resp: 125882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.6 | 124.2 | 186.2 |
| 115 | 53.0 | 47.0 | 70.6 |

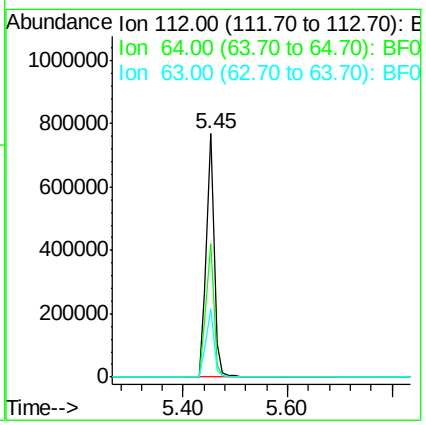


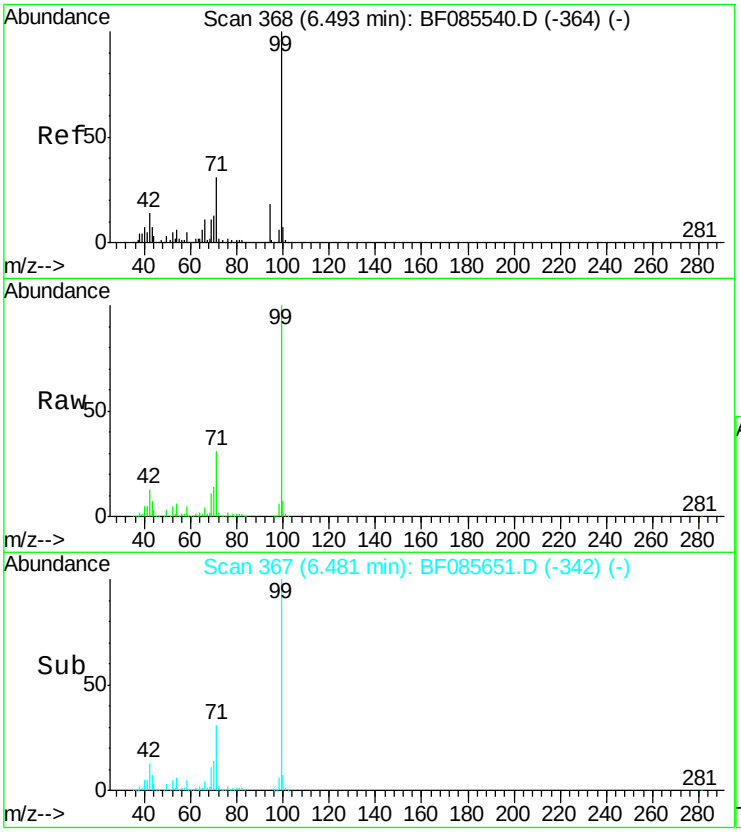




#5
2-Fluorophenol
Concen: 107.89 ng
RT: 5.45 min Scan# 277
Delta R.T. -0.00 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:112 Resp: 808579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.7 | 39.9 | 59.9 |
| 63 | 27.8 | 20.2 | 30.2 |



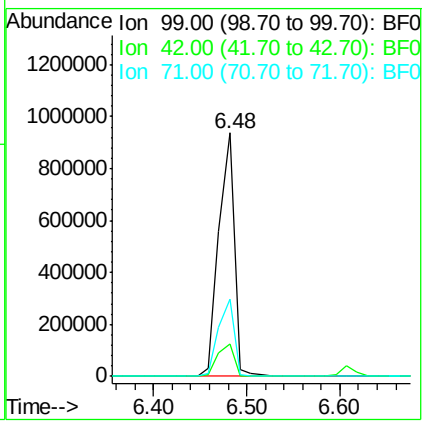


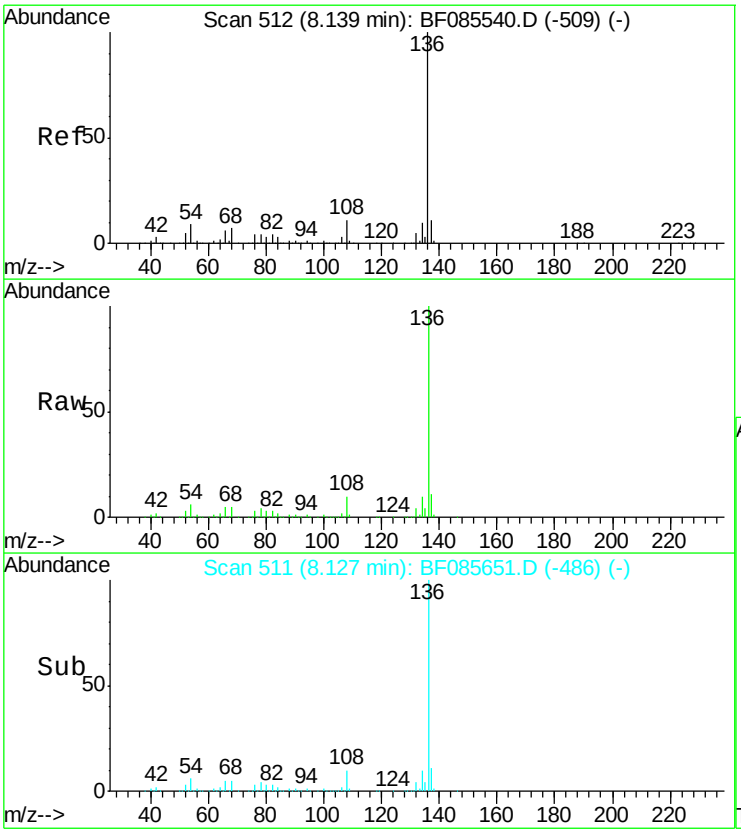

#7
Phenol-d6
Concen: 113.15 ng
RT: 6.48 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion: 99 Resp: 1087623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.5 | 11.1 | 16.7 |
| 71 | 31.5 | 24.9 | 37.3 |

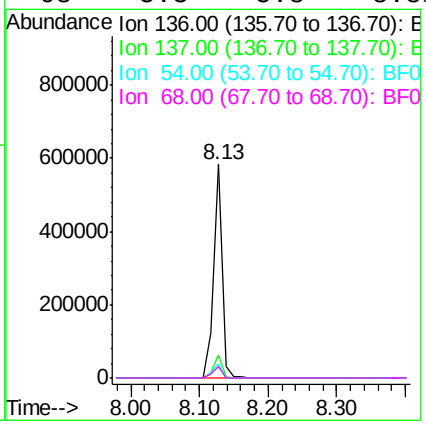


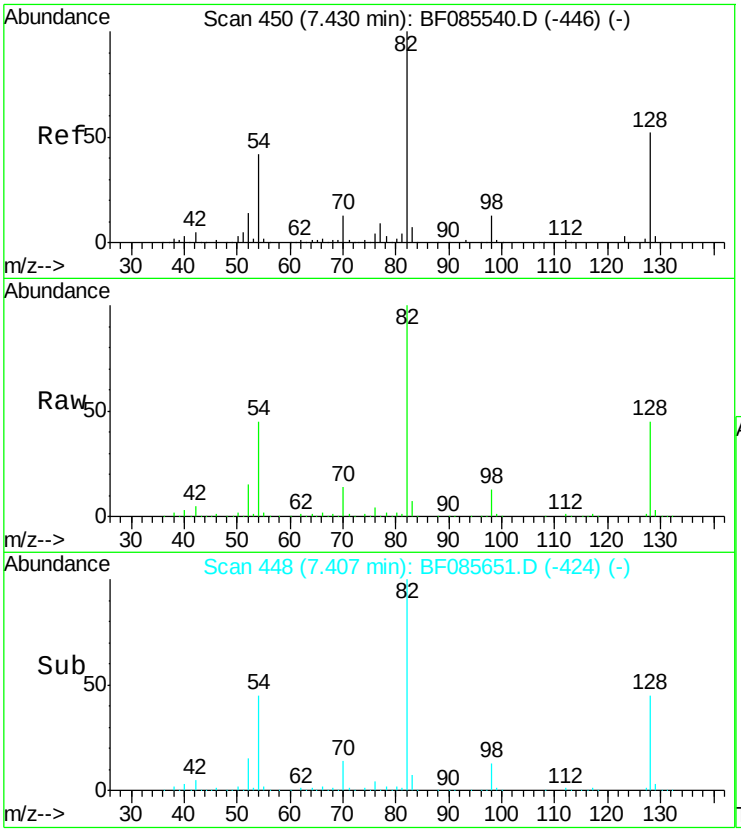




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:136 Resp: 515295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.1 | 13.7 |
| 54 | 6.4 | 7.4 | 11.0# |
| 68 | 5.3 | 5.8 | 8.8# |



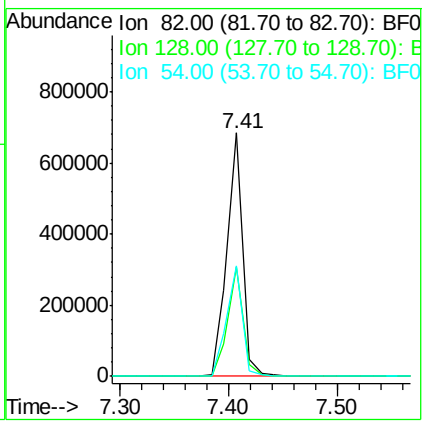


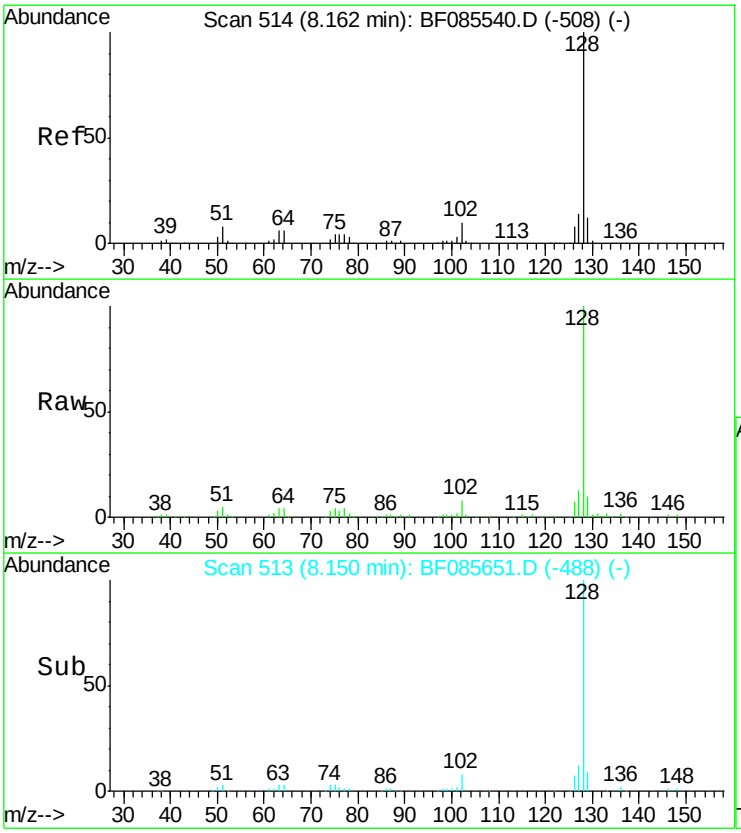

#23
Nitrobenzene-d5
Concen: 76.95 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion: 82 Resp: 683074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 41.8 | 62.8 |
| 54 | 45.4 | 33.4 | 50.0 |

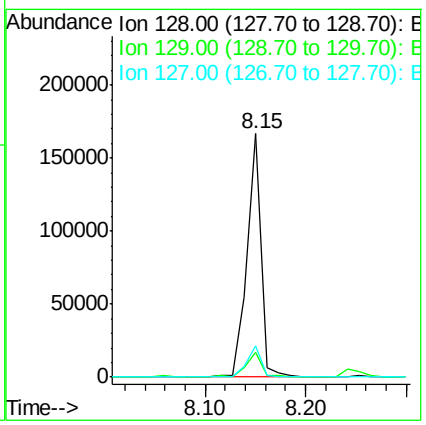


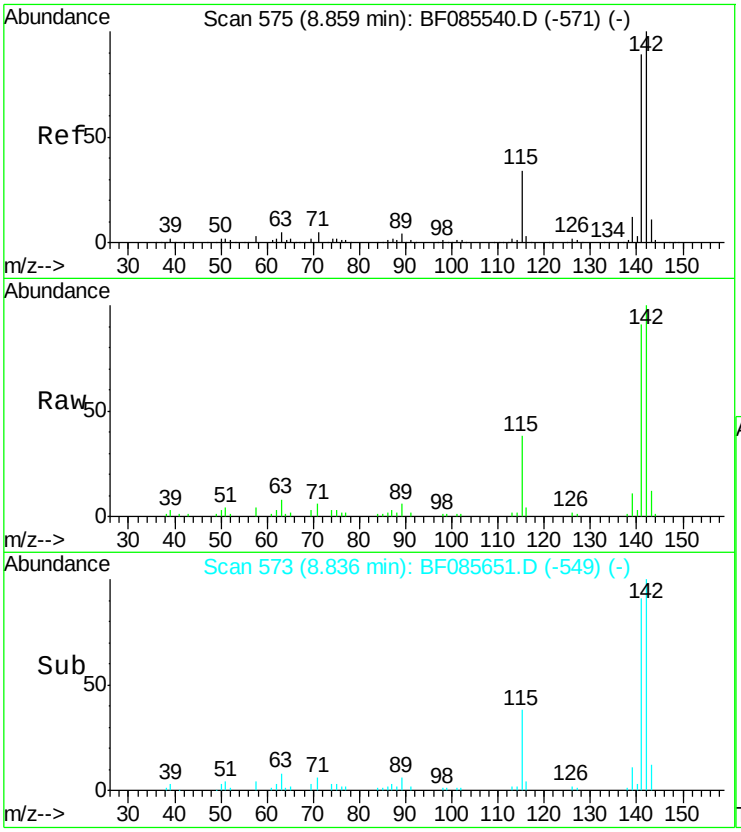




#31
Naphthalene
Concen: 6.22 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:128 Resp: 161775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.3 | 9.4 | 14.0 |
| 127 | 12.6 | 11.0 | 16.6 |



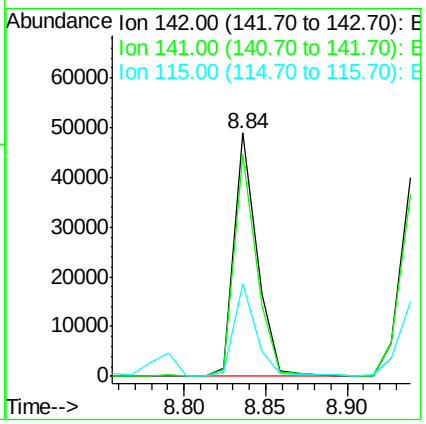


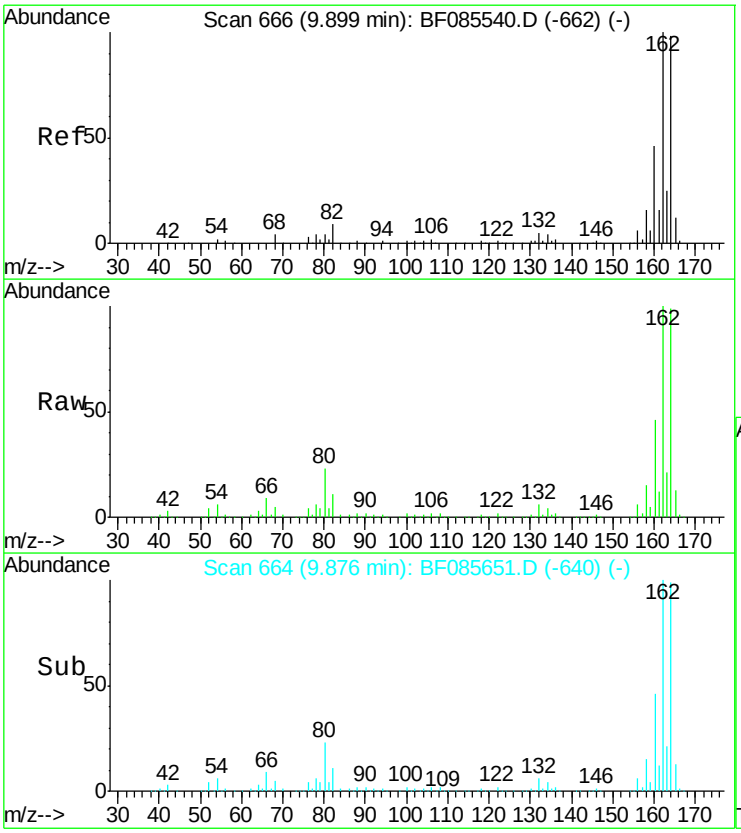

#37
2-Methylnaphthalene
Concen: 2.99 ng
RT: 8.84 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion:142 Resp: 47428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 71.6 | 107.4 |
| 115 | 37.9 | 26.8 | 40.2 |

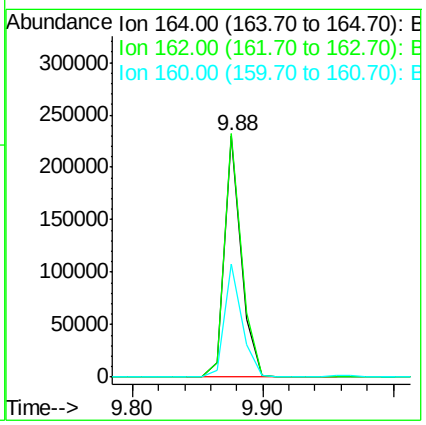


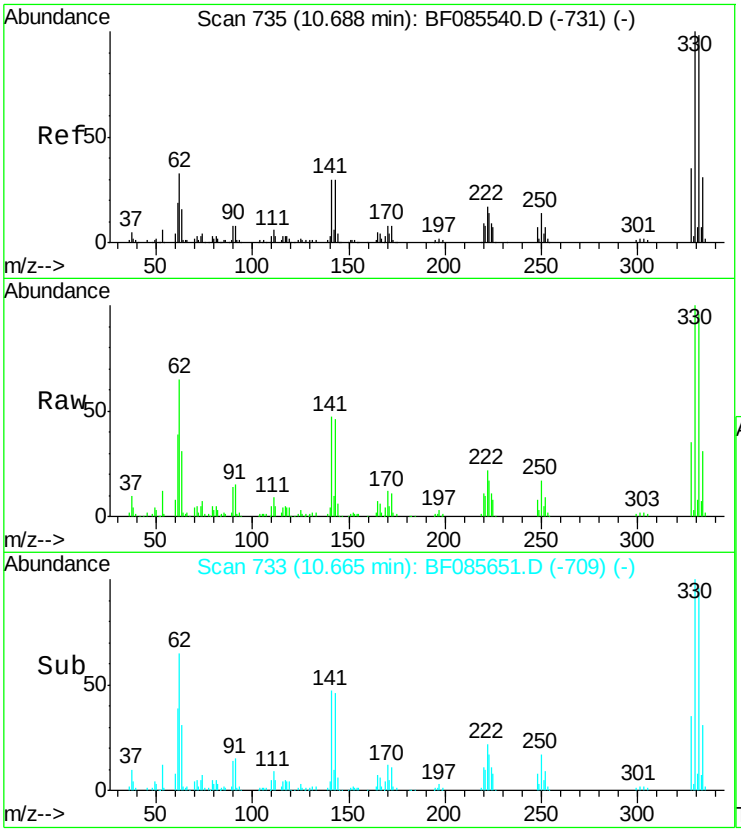




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:164 Resp: 207607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 82.1 | 123.1 |
| 160 | 46.6 | 37.4 | 56.2 |



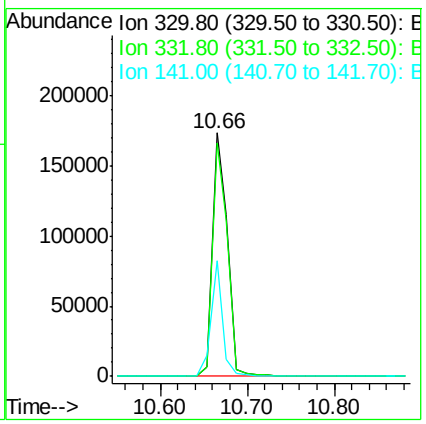


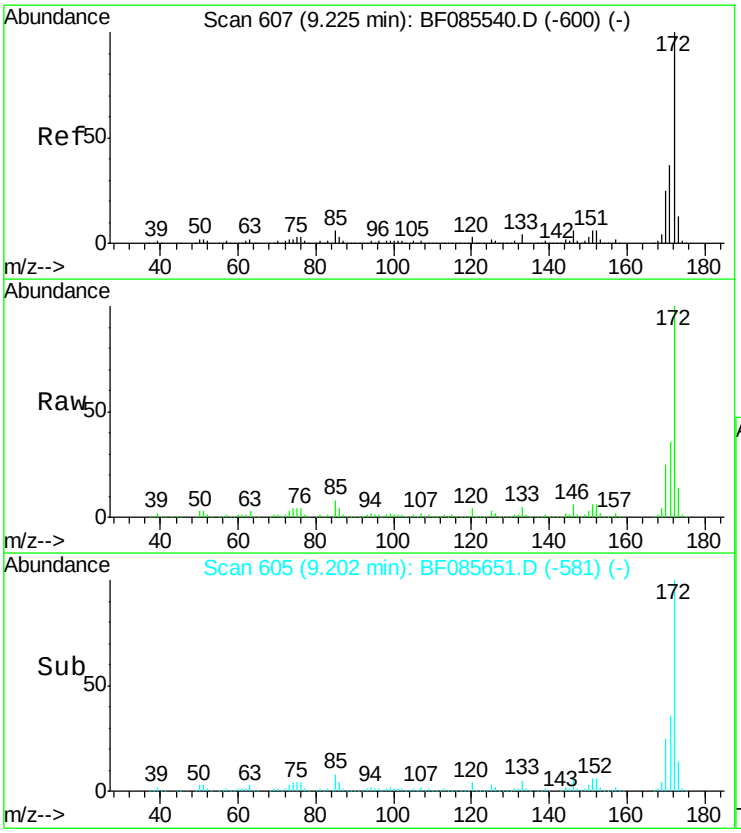

#41
2,4,6-Tribromophenol
Concen: 103.80 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion:330 Resp: 211093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 78.2 | 117.2 |
| 141 | 37.1 | 31.5 | 47.3 |

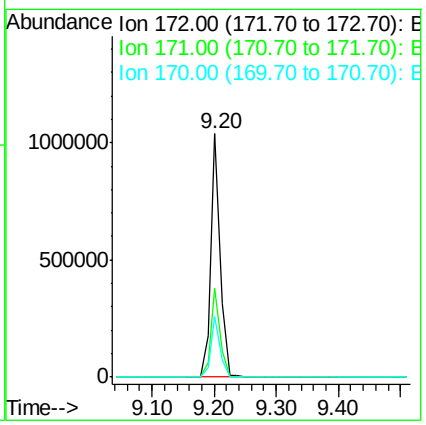


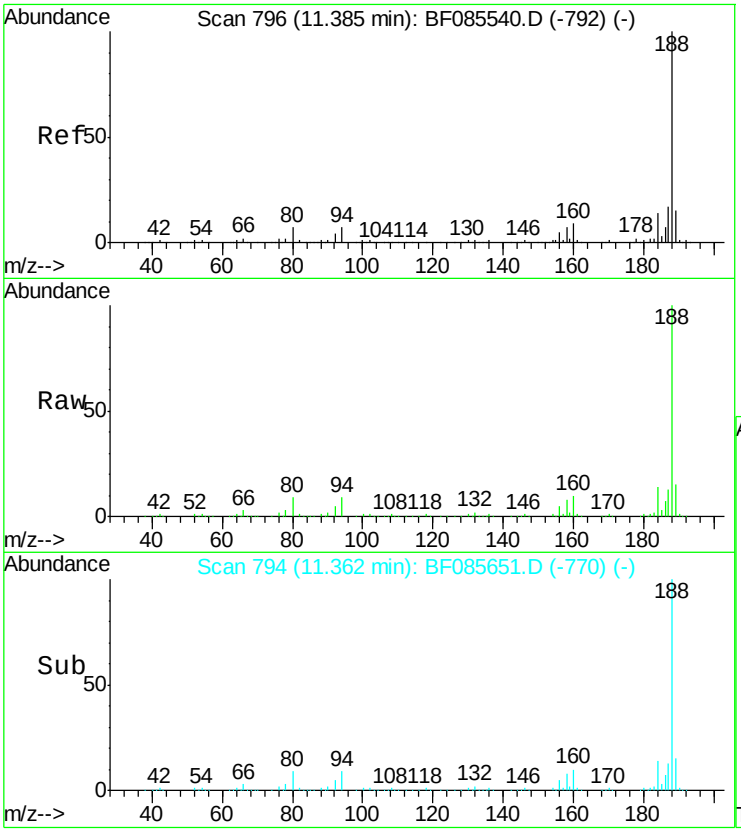




#44
2-Fluorobiphenyl
Concen: 89.45 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:172 Resp: 1074313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.4 | 44.2 |
| 170 | 24.8 | 19.8 | 29.6 |



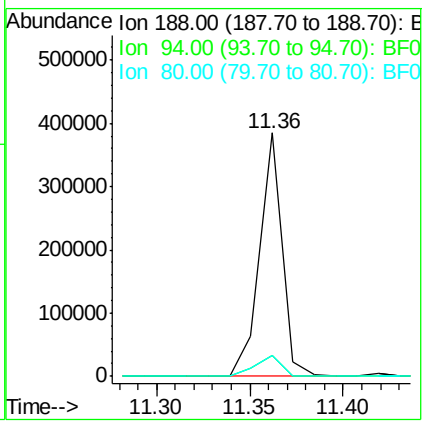


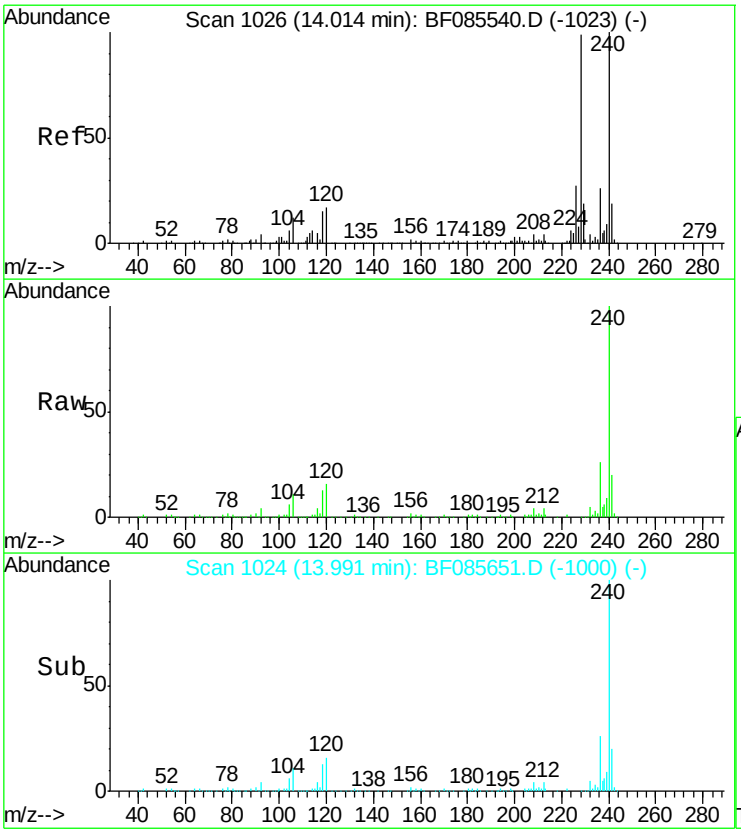

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion:188 Resp: 327351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 5.4 | 8.0# |
| 80 | 8.7 | 5.5 | 8.3# |

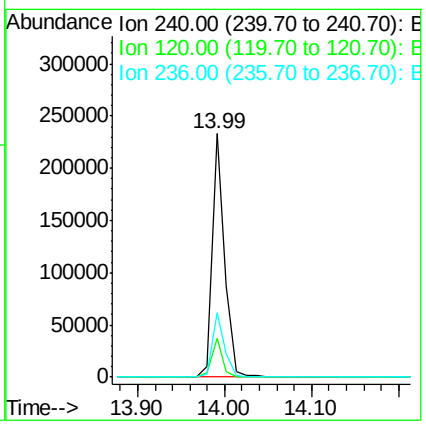


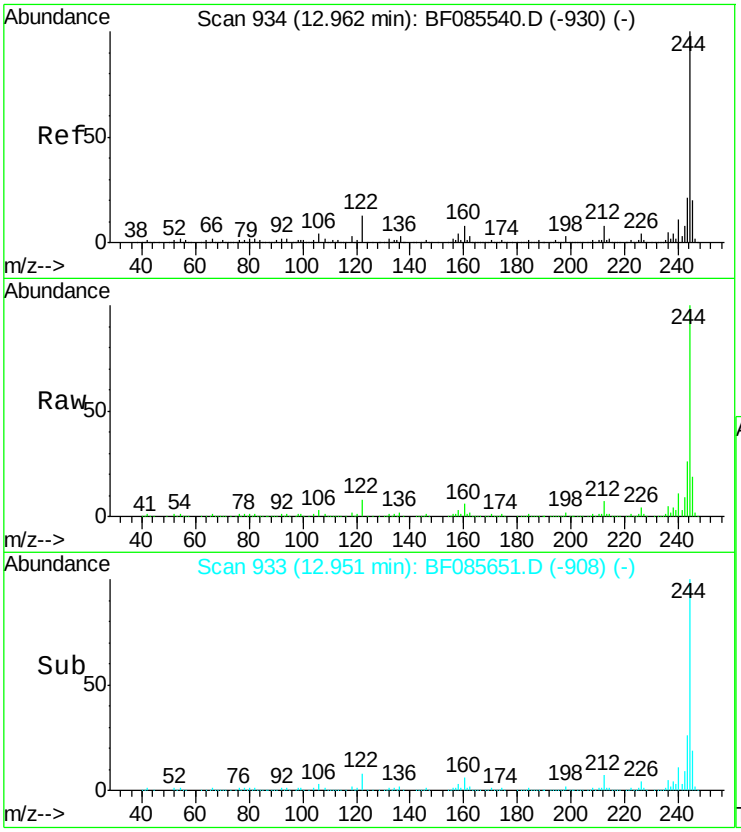




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:240 Resp: 235449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.9 | 13.8 | 20.8 |
| 236 | 26.4 | 20.6 | 30.8 |



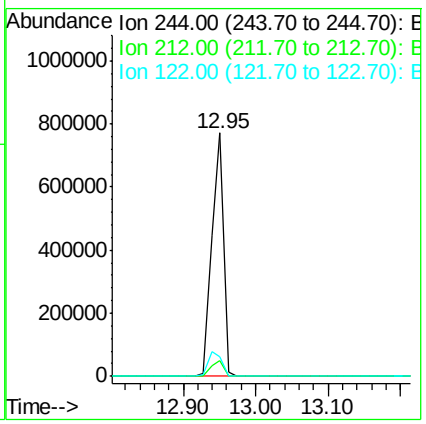


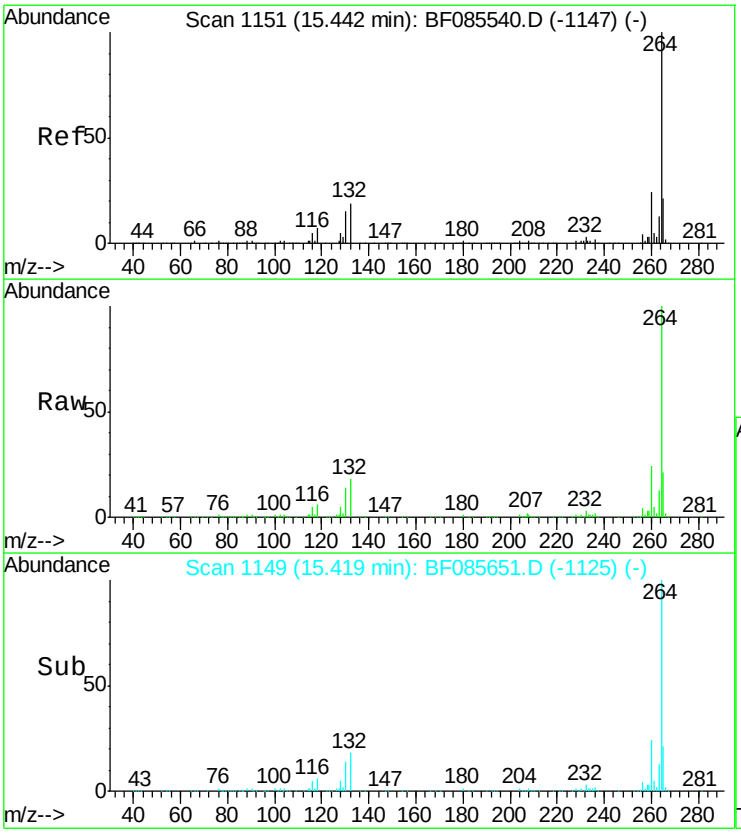

#78
Terphenyl-d14
Concen: 87.74 ng
RT: 12.95 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

**Instrument :**
BNA_F
**ClientSampleId :**
WC-1

Tgt Ion:244 Resp: 858489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.1 | 9.1 |
| 122 | 8.2 | 10.2 | 15.4# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085651.D
Acq: 22 Mar 2016 7:07

Tgt Ion:264 Resp: 241992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.4 | 29.2 |
| 265 | 21.2 | 17.2 | 25.8 |