Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\
Data File : BF090765.D
Acq On : 22 Oct 2016 16:32
Operator : UM/SJ
Sample : H5367-15
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-02I-102016

Quant Time: Oct 24 02:20:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 17:36:31 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 260896 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1063195 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 554050 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 881753 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.02 | 240 | 564648 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 396860 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 465517 | 28.78 | ng | 0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 436534 | 19.92 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1603233 | 82.71 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 243827 | 55.60 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 2388281 | 66.92 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.97 | 244 | 2467149 | 100.14 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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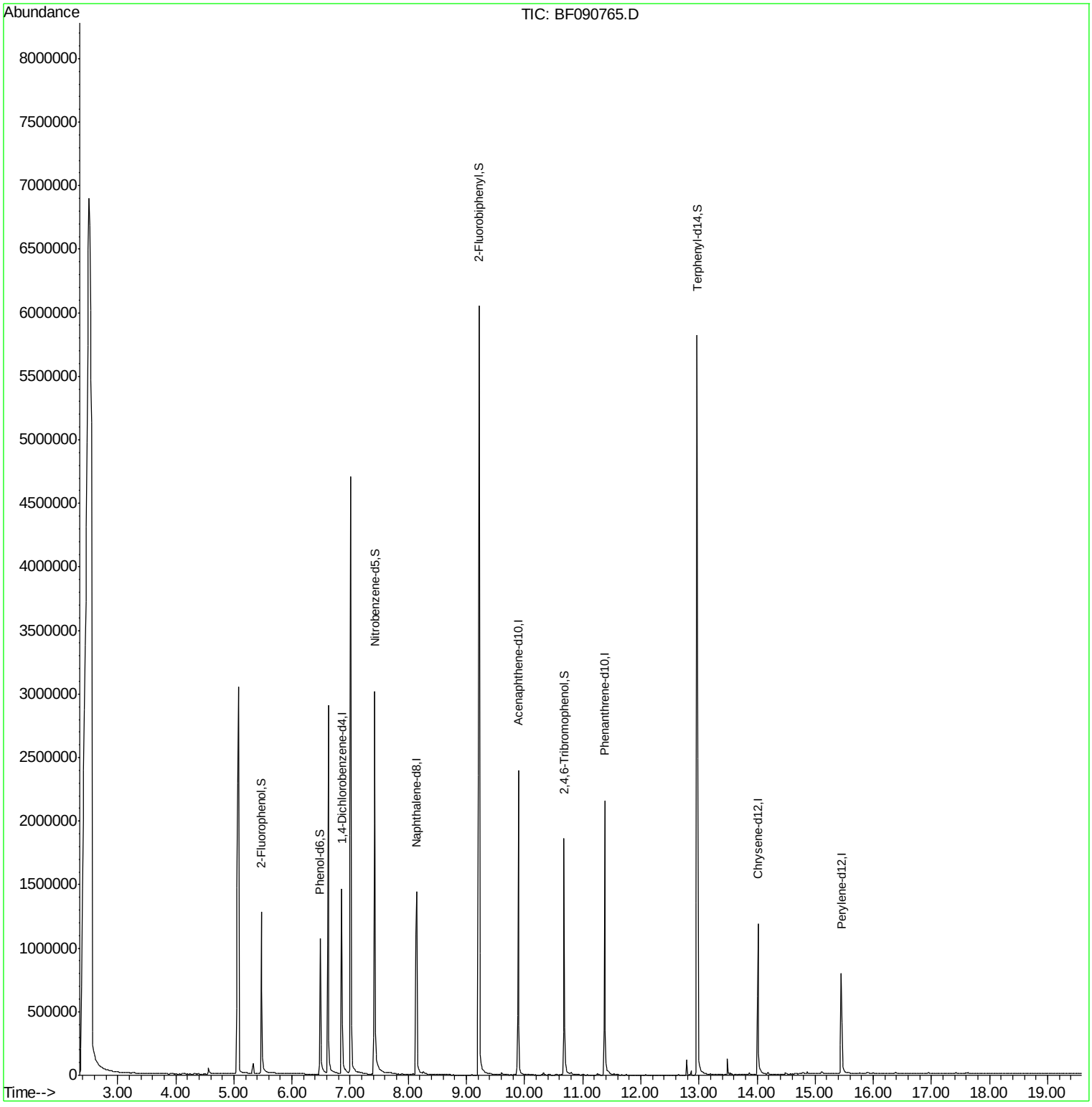
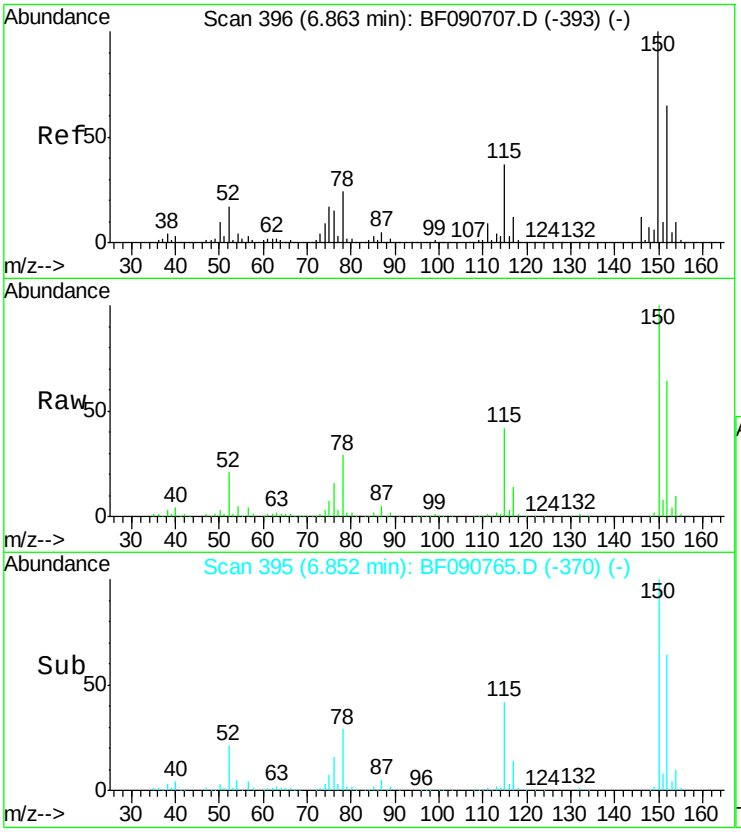


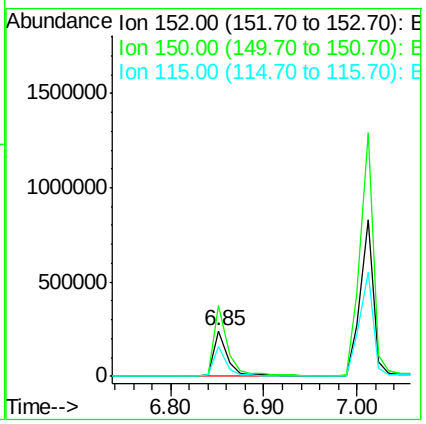


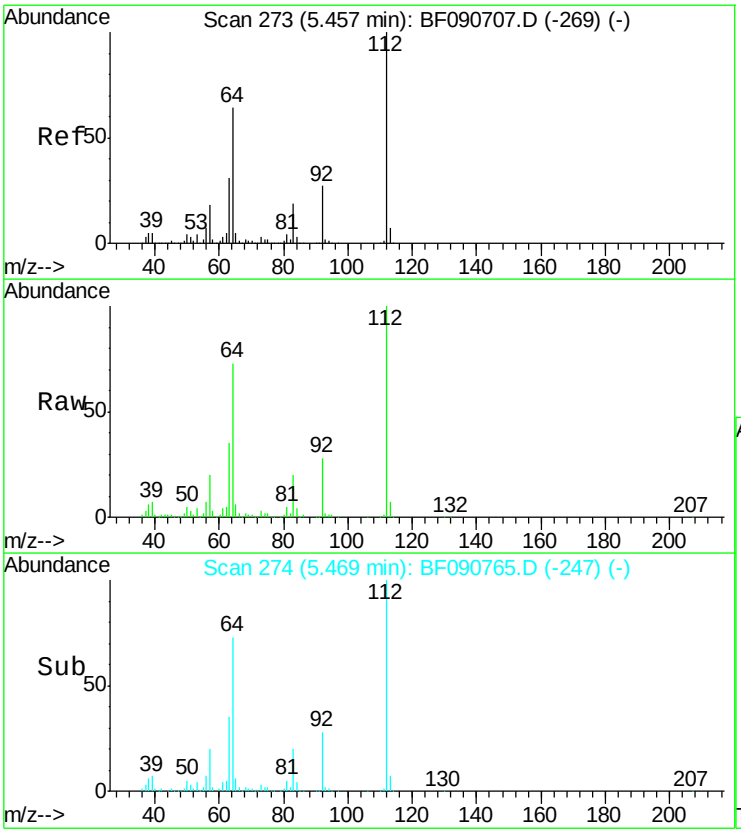

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 395
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion:152 Resp: 260896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 124.7 | 187.1 |
| 115 | 65.5 | 39.0 | 58.4# |

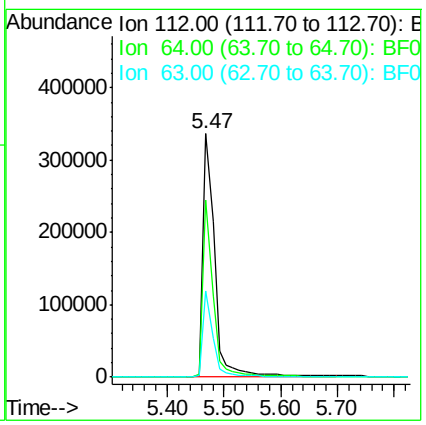


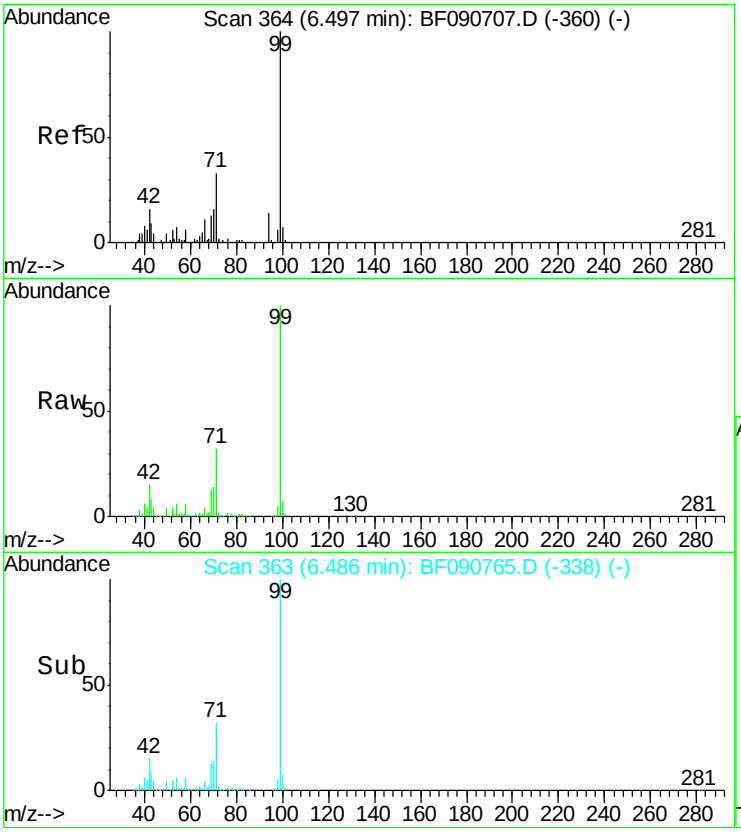




#5
2-Fluorophenol
Concen: 28.78 ng
RT: 5.47 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:112 Resp: 465517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.7 | 39.7 | 59.5# |
| 63 | 35.4 | 17.4 | 26.0# |



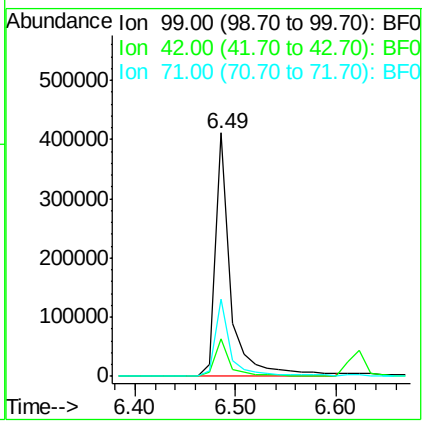


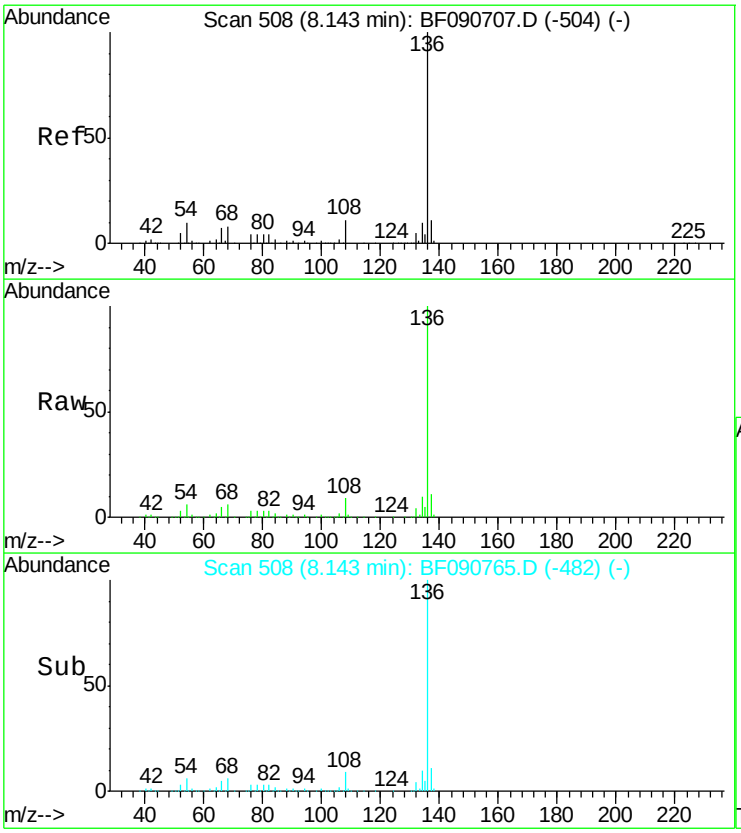

#7
Phenol-d6
Concen: 19.92 ng
RT: 6.49 min Scan# 363
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion: 99 Resp: 436534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.3 | 13.7 | 20.5 |
| 71 | 31.8 | 14.2 | 21.2# |

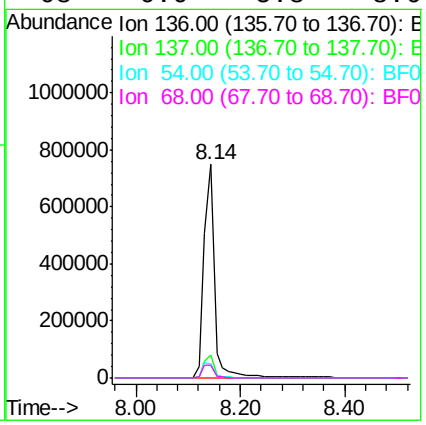


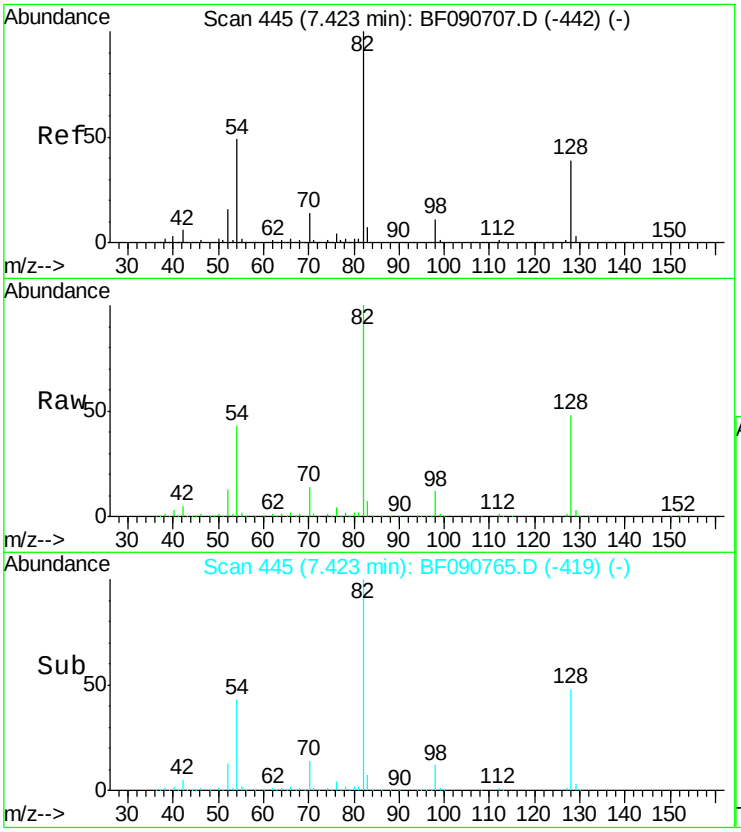




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:136 Resp: 1063195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 6.4 | 8.2 | 12.2# |
| 68 | 6.0 | 5.8 | 8.6 |



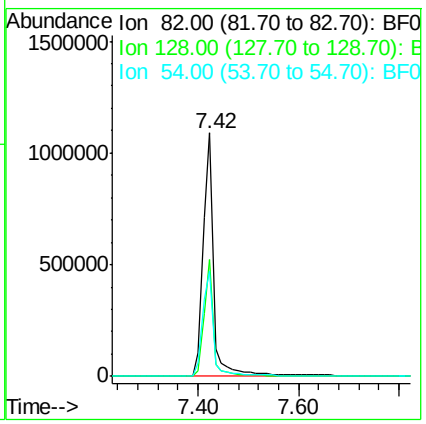


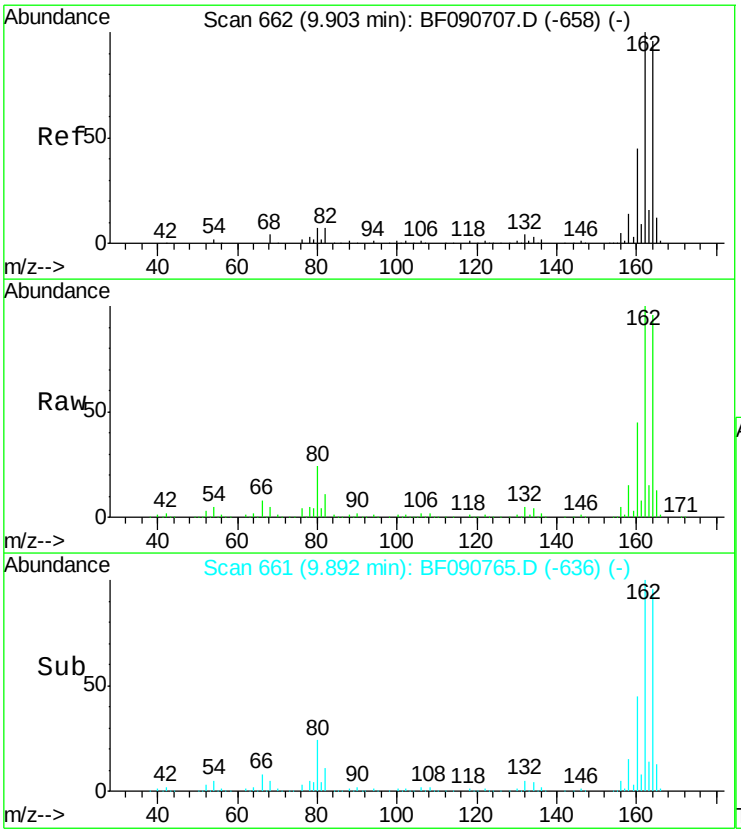

#23
Nitrobenzene-d5
Concen: 82.71 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion: 82 Resp: 1603233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.1 | 51.0 | 76.6# |
| 54 | 43.4 | 47.5 | 71.3# |

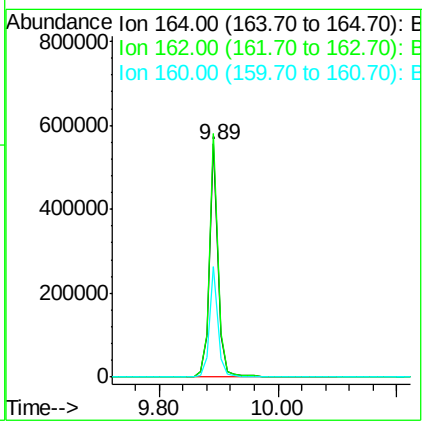


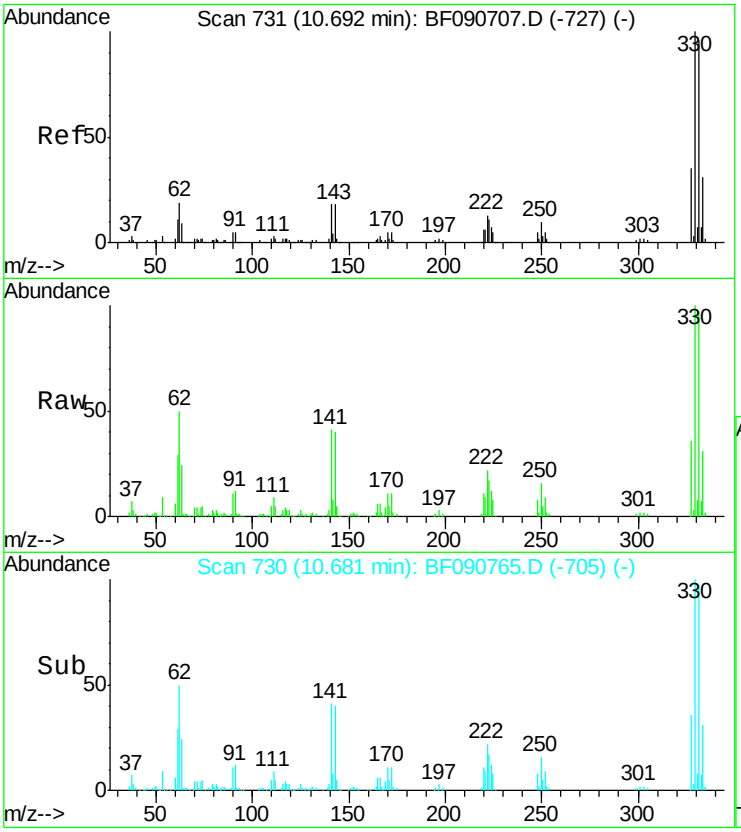




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:164 Resp: 554050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.3 | 75.2 | 112.8 |
| 160 | 47.3 | 31.5 | 47.3# |



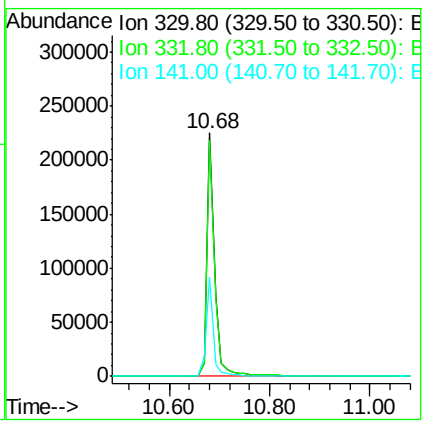


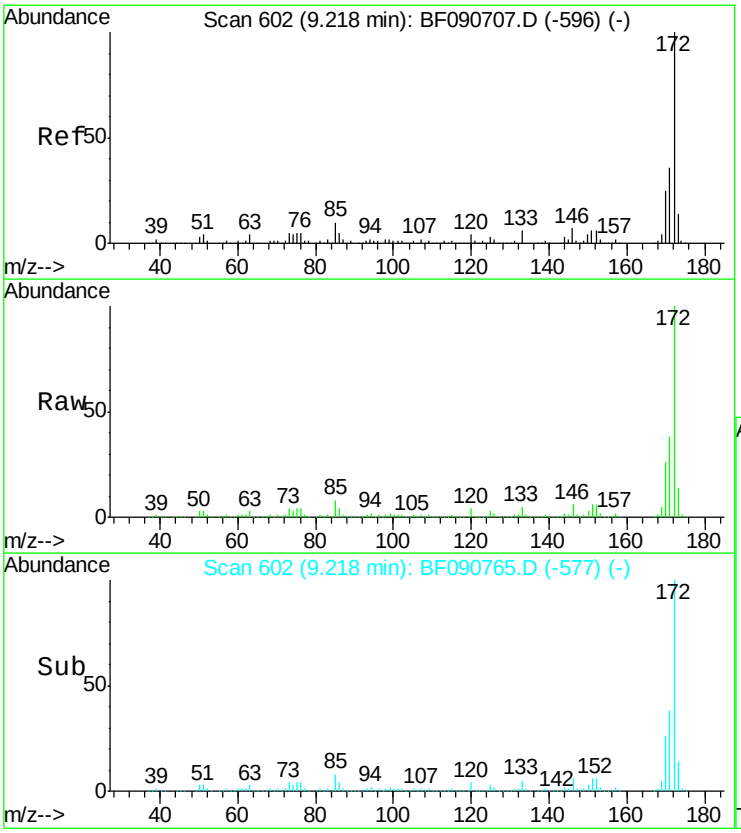

#41
2,4,6-Tribromophenol
Concen: 55.60 ng
RT: 10.68 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion:330 Resp: 243827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.6 | 114.8 |
| 141 | 38.2 | 29.7 | 44.5 |

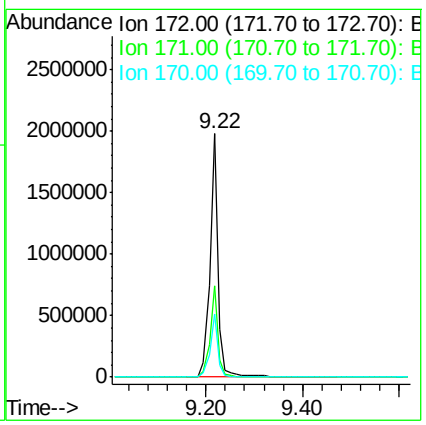


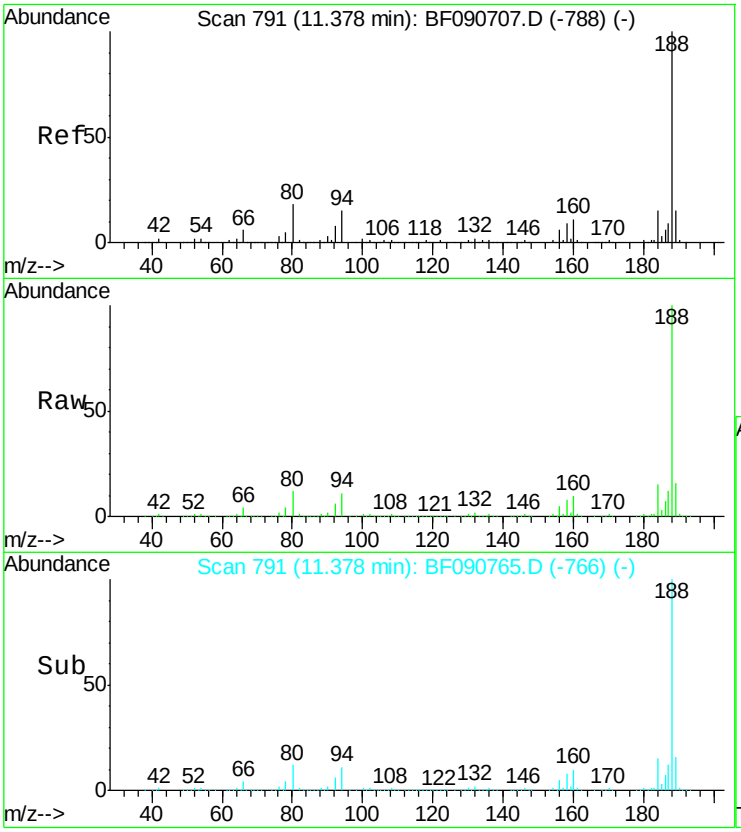




#44
2-Fluorobiphenyl
Concen: 66.92 ng
RT: 9.22 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:172 Resp: 2388281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.7 | 26.1 | 39.1 |
| 170 | 25.9 | 17.4 | 26.2 |



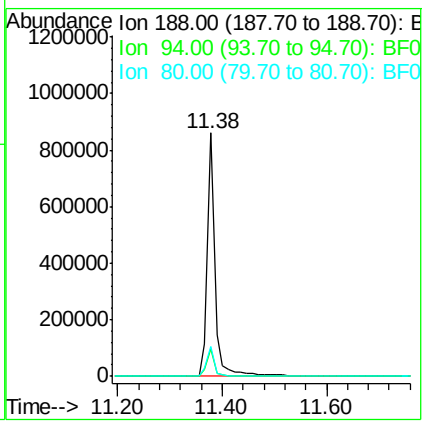


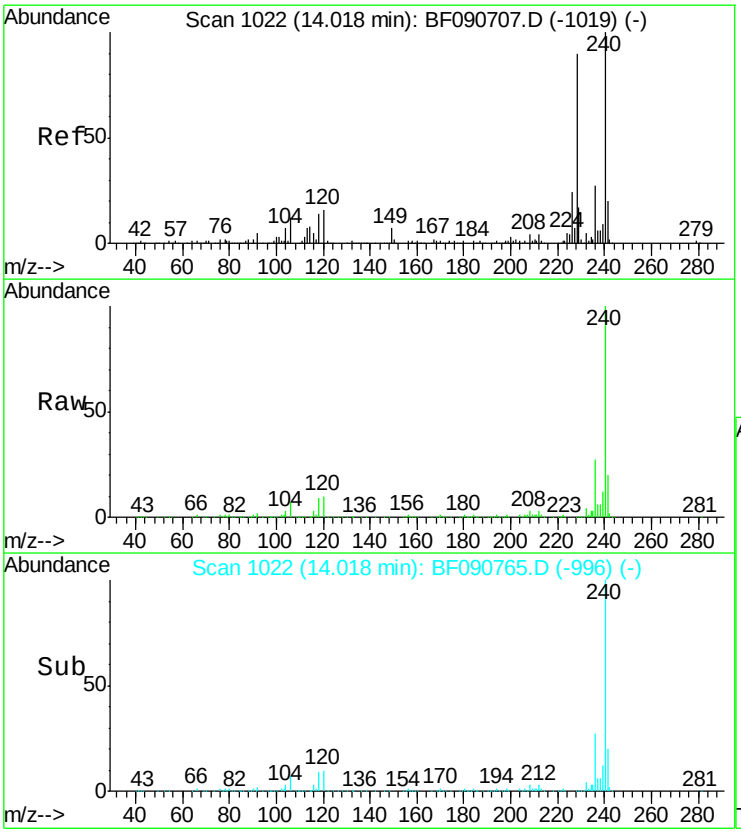

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion:188 Resp: 881753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 11.1 | 16.7# |
| 80 | 12.1 | 11.0 | 16.4 |

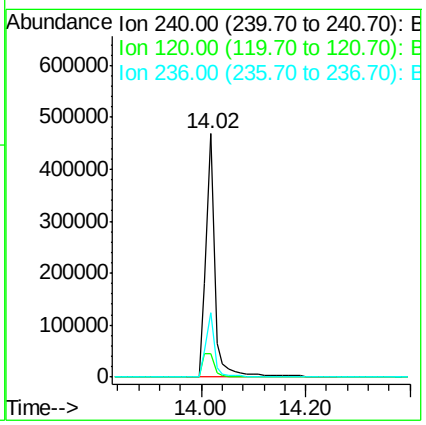


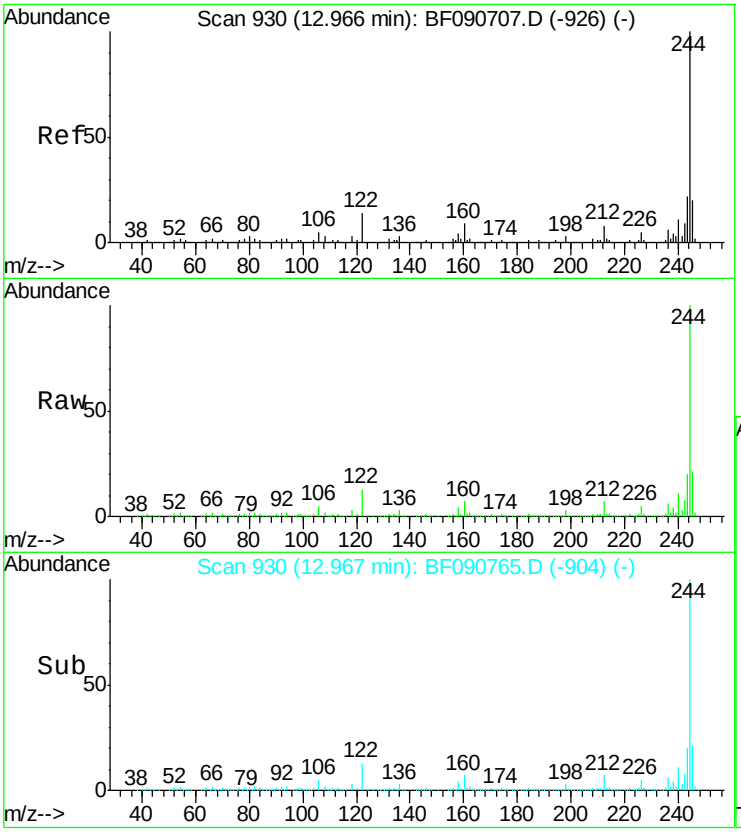




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:240 Resp: 564648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 16.2 | 24.2# |
| 236 | 26.6 | 18.4 | 27.6 |



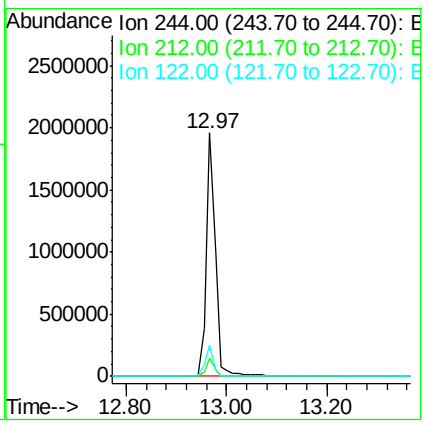


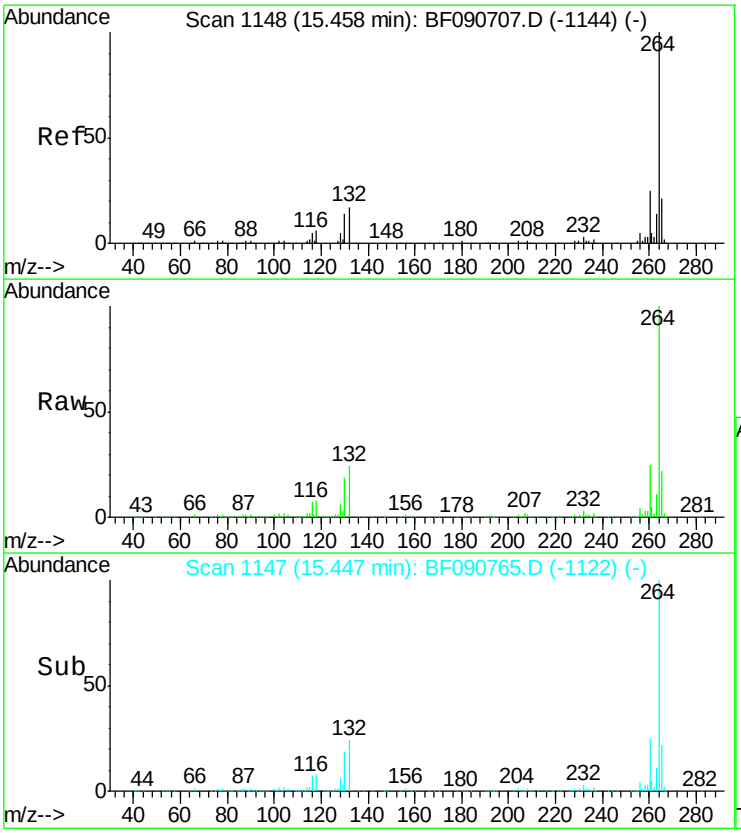

#78
Terphenyl-d14
Concen: 100.14 ng
RT: 12.97 min Scan# 930
Delta R.T. 0.00 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

**Instrument :**
BNA_F
**ClientSampleId :**
MW-02I-102016

Tgt Ion:244 Resp: 2467149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 4.3 | 6.5# |
| 122 | 13.0 | 17.4 | 26.2# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090765.D
Acq: 22 Oct 2016 16:32

Tgt Ion:264 Resp: 396860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 16.7 | 25.1# |
| 265 | 22.2 | 17.2 | 25.8 |