Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
Data File : BF086700.D
Acq On : 5 May 2016 2:22
Operator : UM/SJ
Sample : H2715-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26WARD-2-CS-7(10-20FTBGS)

Quant Time: May 05 04:14:30 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 163919 | 40.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.03 | 136 | 587592 | 40.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 237538 | 40.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 375099 | 40.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.88 | 240 | 330803 | 40.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.28 | 264 | 246137 | 40.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 884426 | 89.32 | ng | 0.01 |
| 7) Phenol-d6 | 6.38 | 99 | 1566583 | 117.45 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 1223777 | 107.03 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 141155 | 60.75 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 1360556 | 93.89 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.84 | 244 | 901212 | 55.06 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Benzyl Alcohol | 6.90 | 79 | 19929 | 2.31 | ng | # 38 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 168119 | 18.45 | ng | # 77 |
| 49) Dimethylphthalate | 9.49 | 163 | 161433 | 9.12 | ng | 99 |
| 56) 2,4-Dinitrotoluene | 9.78 | 165 | 30130 | 6.40 | ng | # 16 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 281 | 5.38 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 8015 | 2.15 | ng | # 1 |

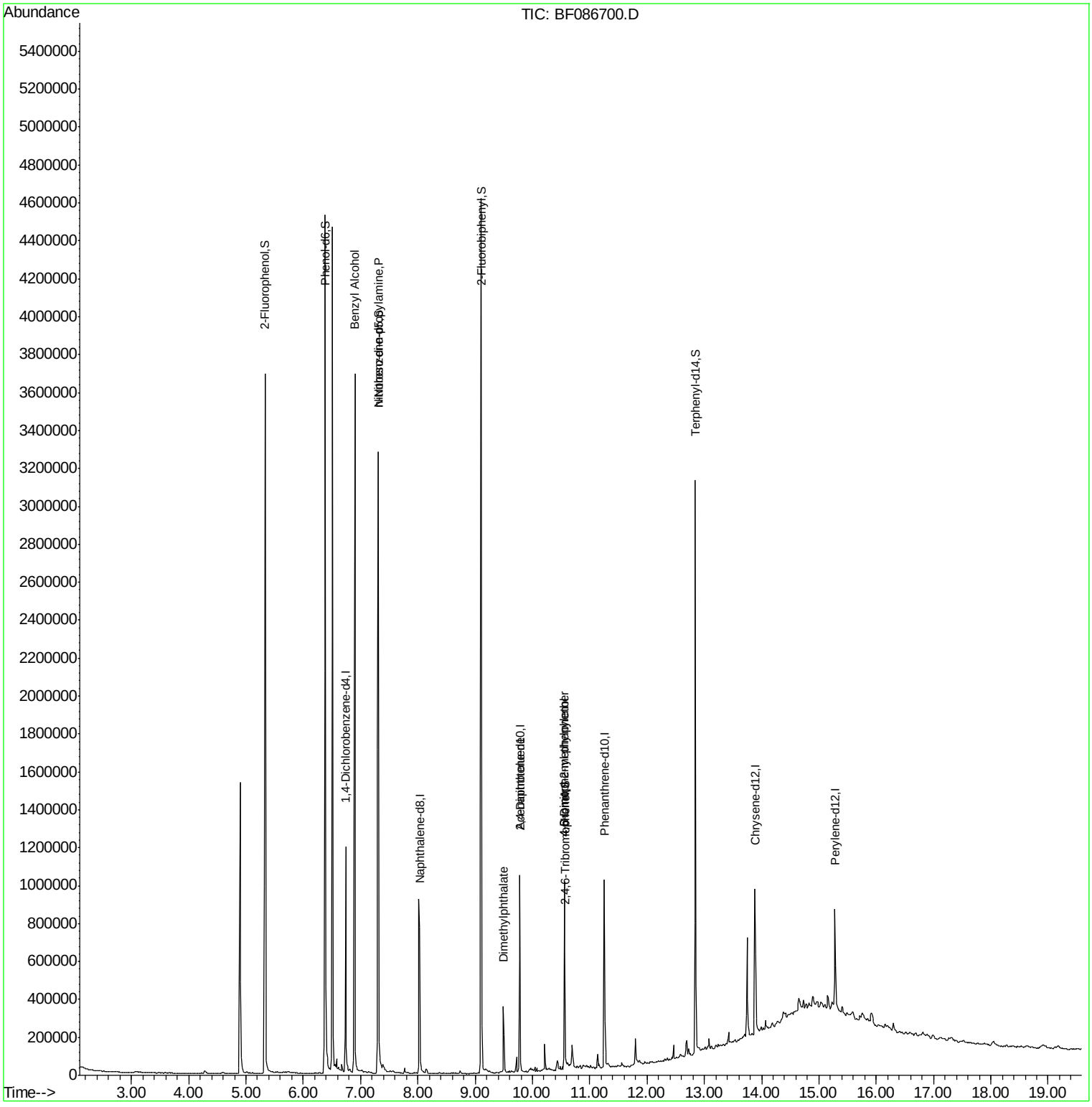
(#) = qualifier out of range (m) = manual integration (+) = signals summed

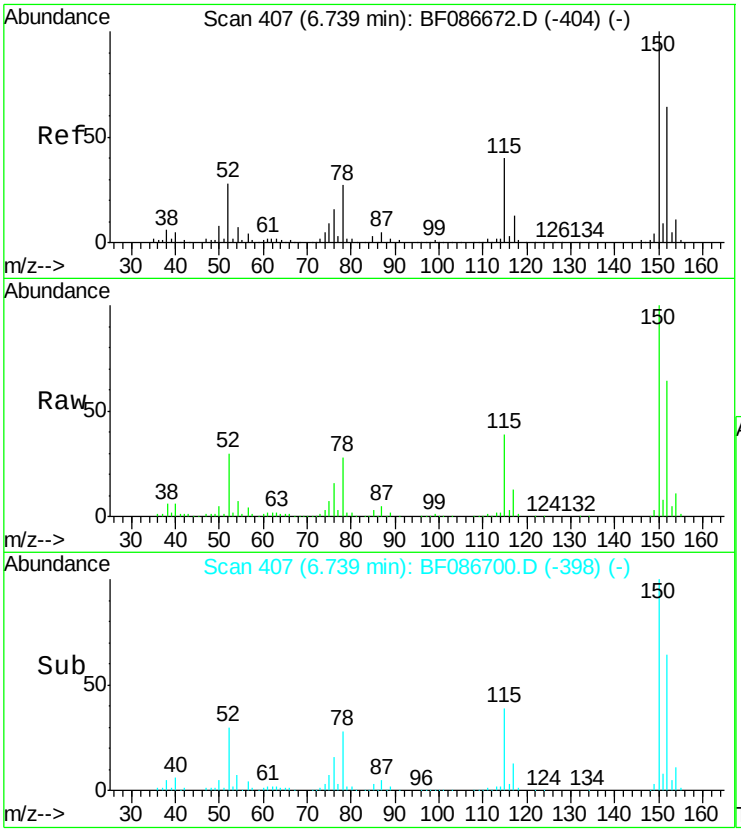
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
Data File : BF086700.D
Acq On : 5 May 2016 2:22
Operator : UM/SJ
Sample : H2715-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Quant Time: May 05 04:14:30 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration



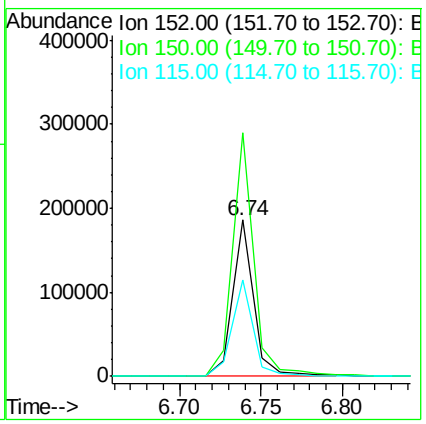


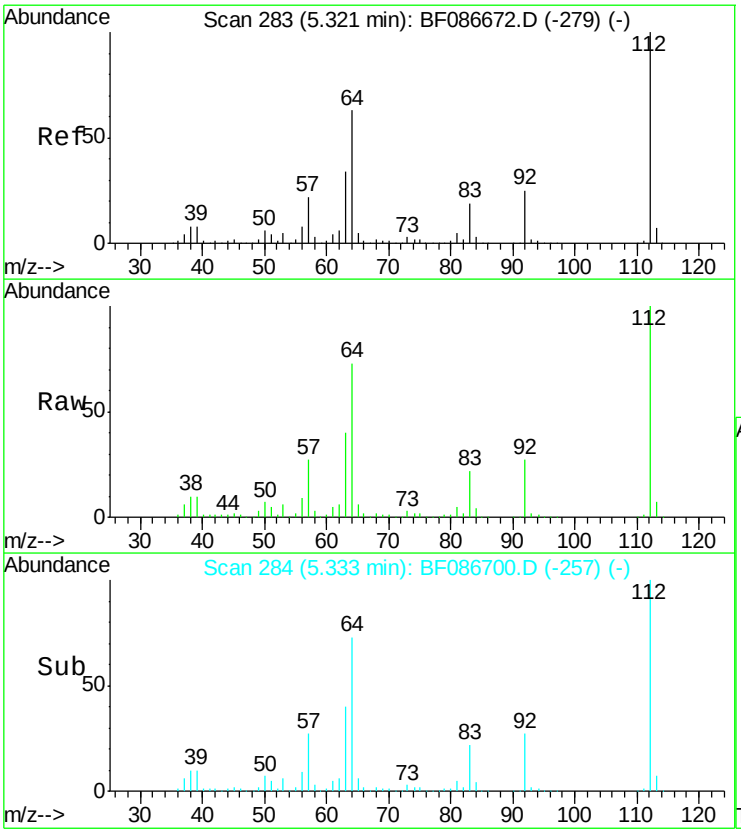

#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:152 Resp: 163919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 125.8 | 188.6 |
| 115 | 61.4 | 51.5 | 77.3 |

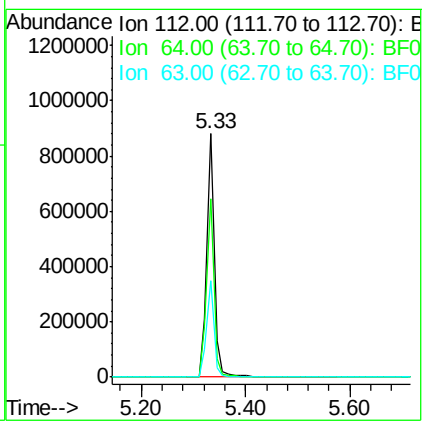


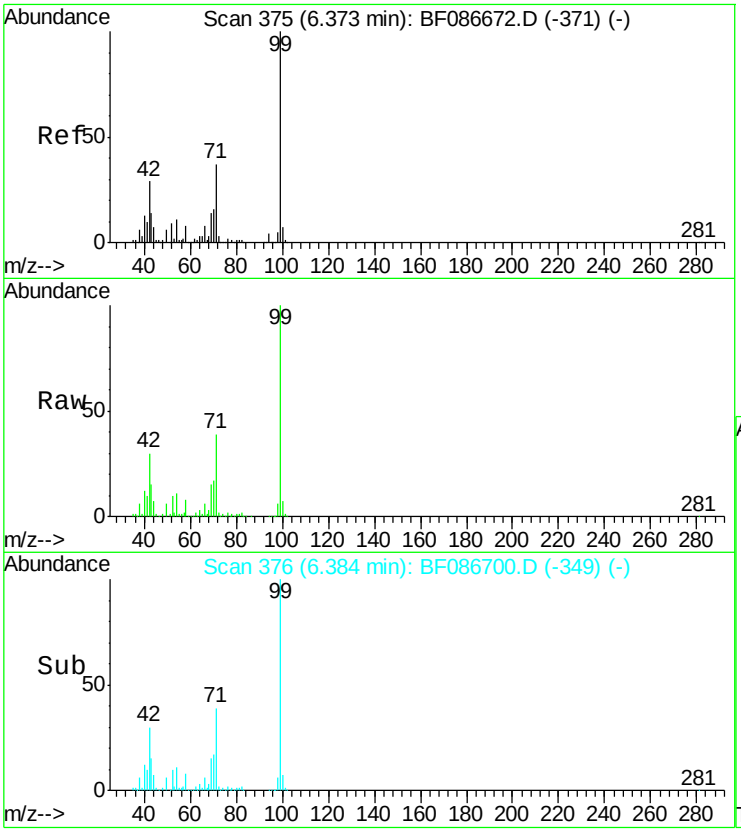




#5
2-Fluorophenol
Concen: 89.32 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:112 Resp: 884426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 73.1 | 52.1 | 78.1 |
| 63 | 39.6 | 25.7 | 38.5# |



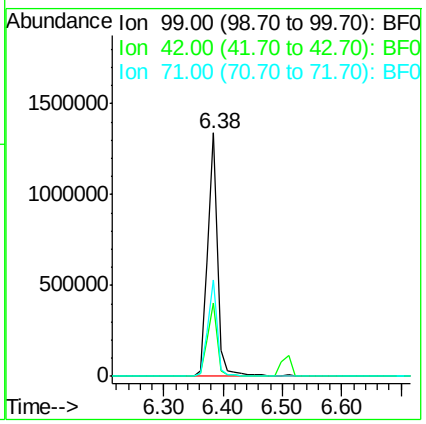


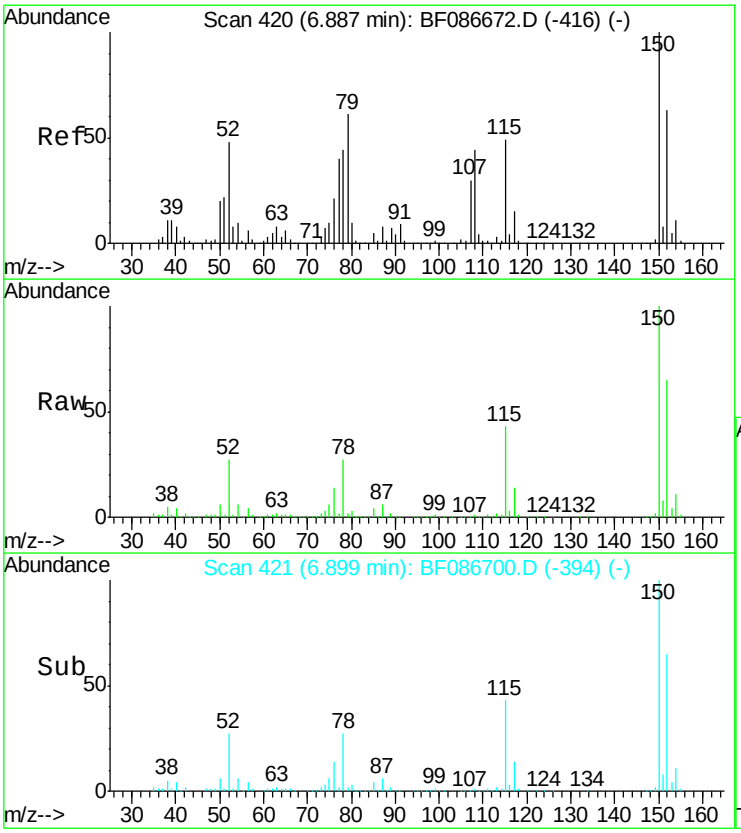

#7
Phenol-d6
Concen: 117.45 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion: 99 Resp: 1566583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 30.4 | 13.6 | 20.4# |
| 71 | 39.5 | 24.6 | 36.8# |

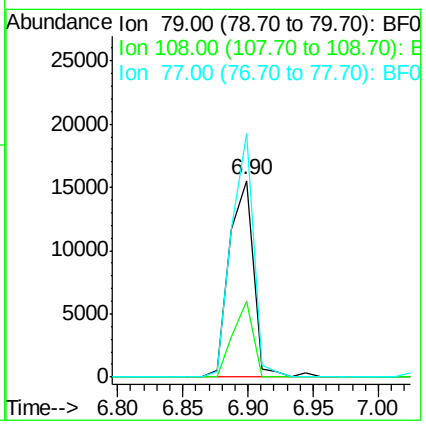


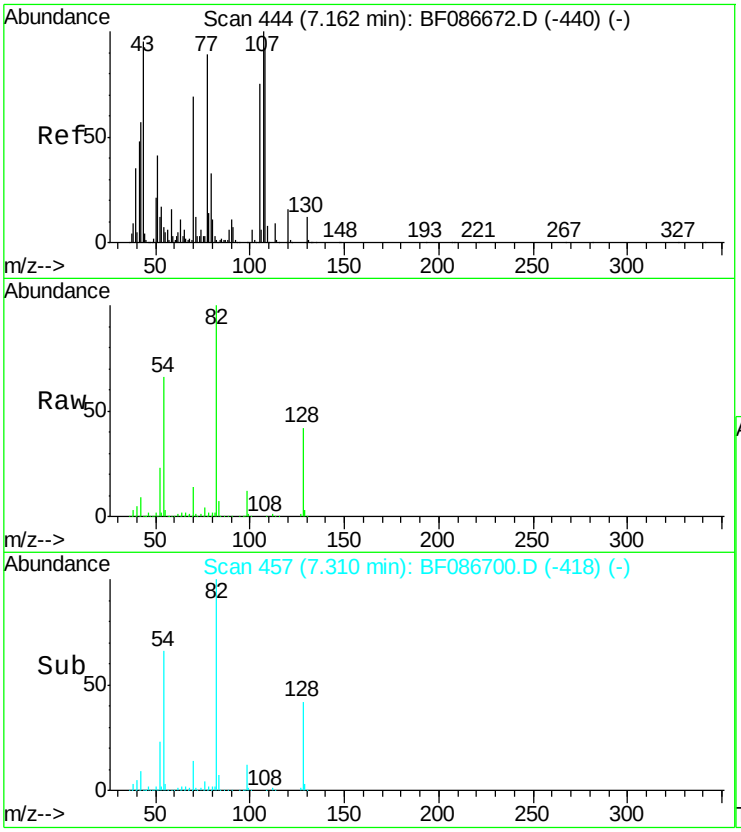




#15
Benzyl Alcohol
Concen: 2.31 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.01 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion: 79 Resp: 19929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 38.8 | 68.4 | 102.6# |
| 77 | 123.9 | 50.6 | 76.0# |



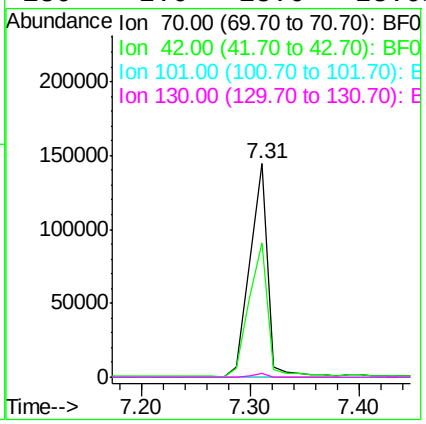


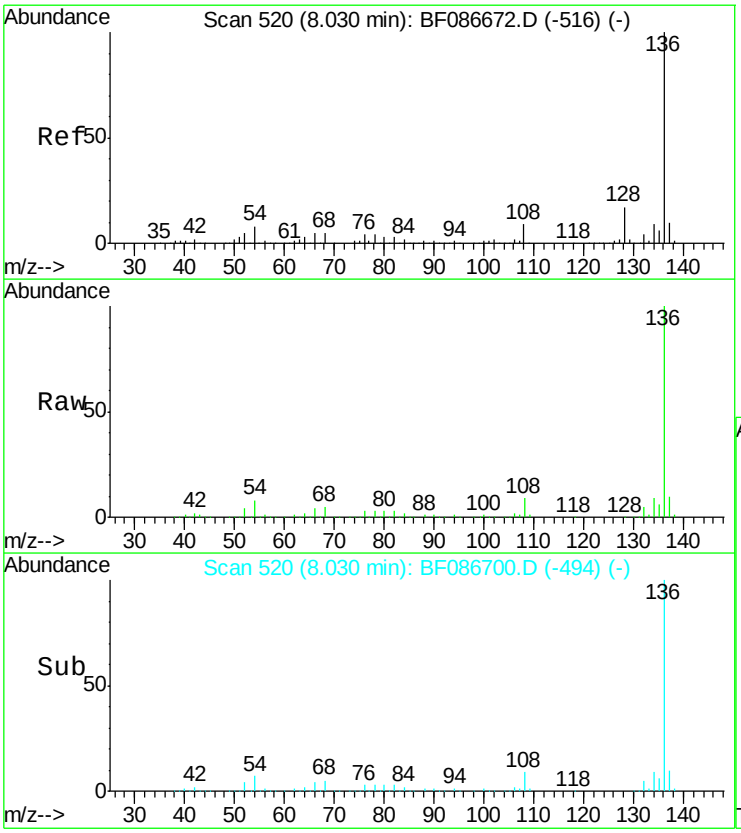

#19
n-Nitroso-di-n-propylamine
Concen: 18.45 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.15 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion: 70 Resp: 168119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.2 | 43.1 | 64.7 |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 2.0 | 18.6 | 28.0# |

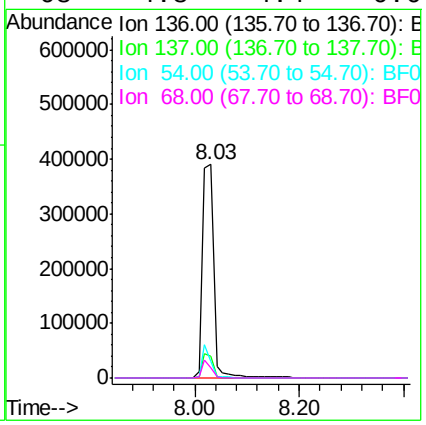


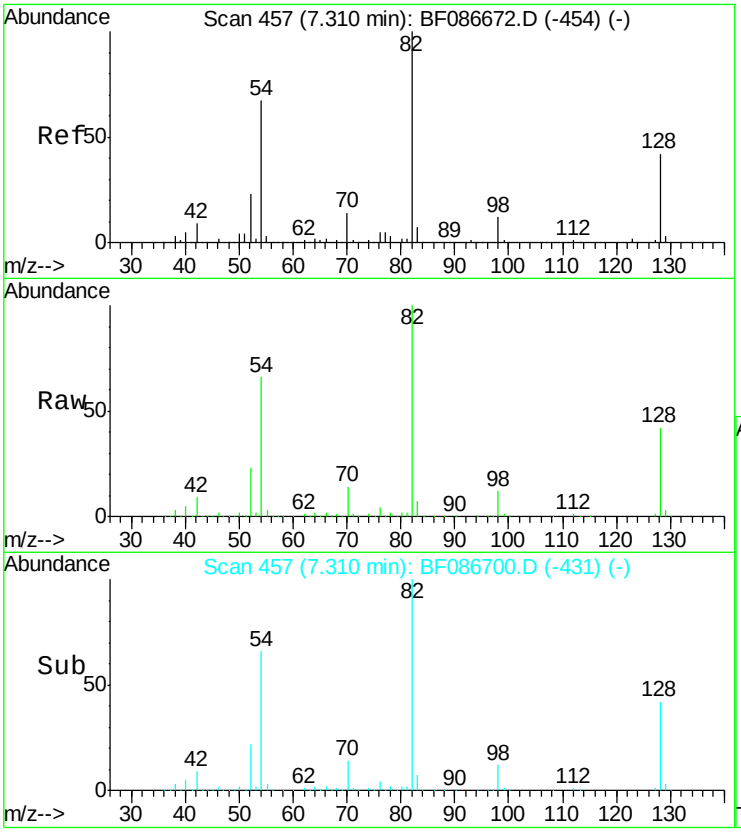




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:136 Resp: 587592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.8 | 13.2 |
| 54 | 7.7 | 5.0 | 7.4# |
| 68 | 4.8 | 4.4 | 6.6 |



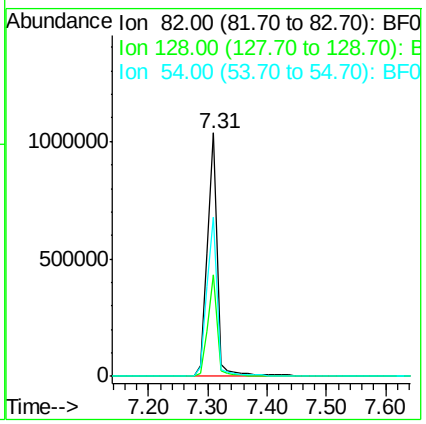


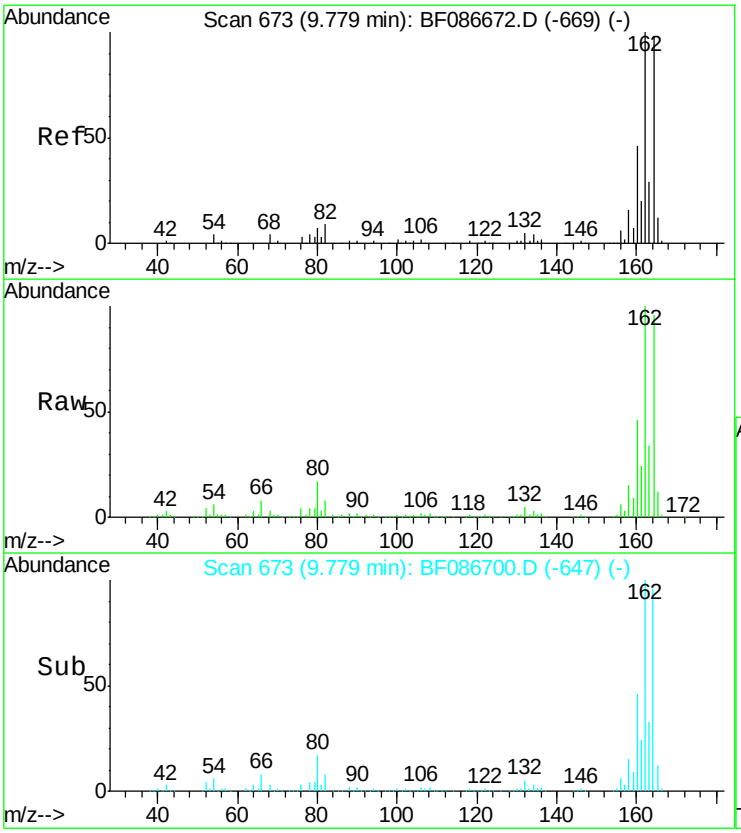

#23
Nitrobenzene-d5
Concen: 107.03 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion: 82 Resp: 1223777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 40.6 | 61.0 |
| 54 | 65.6 | 38.1 | 57.1# |

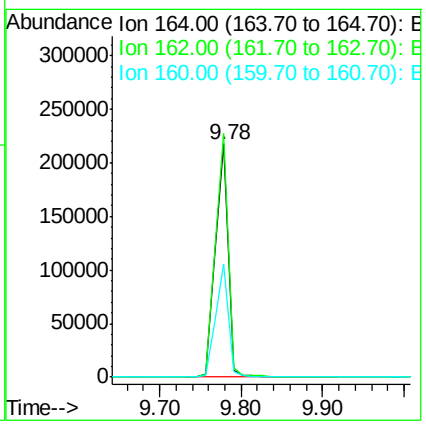


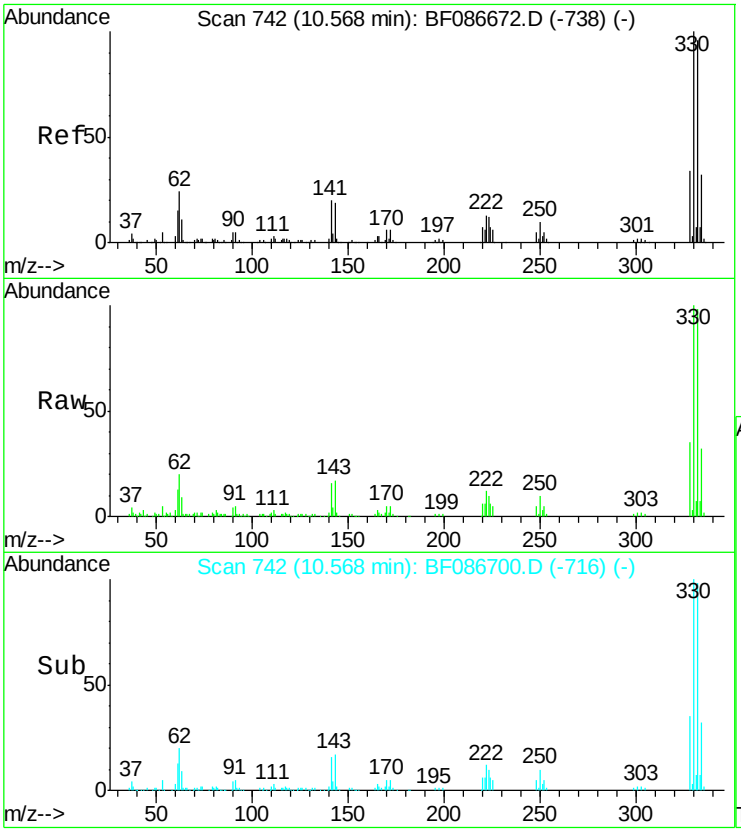




#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:164 Resp: 237538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 82.8 | 124.2 |
| 160 | 48.4 | 36.9 | 55.3 |



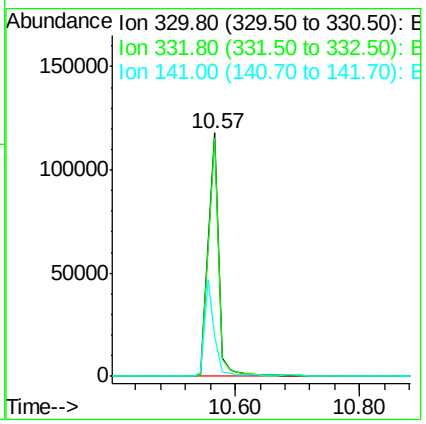


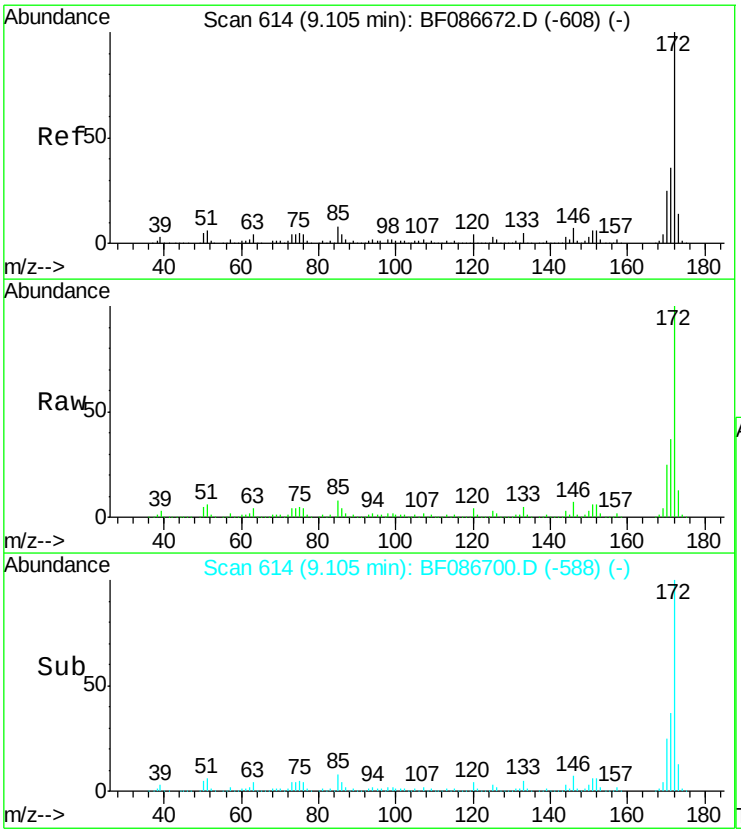

#41
2,4,6-Tribromophenol
Concen: 60.75 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:330 Resp: 141155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 79.0 | 118.4 |
| 141 | 37.0 | 31.2 | 46.8 |

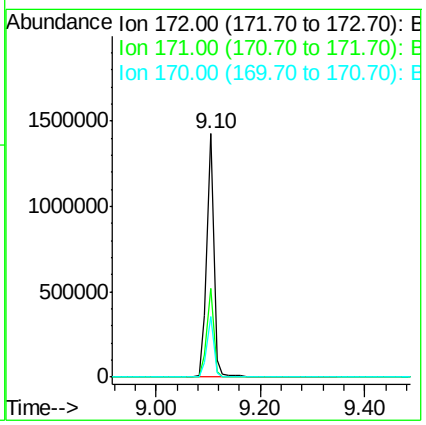


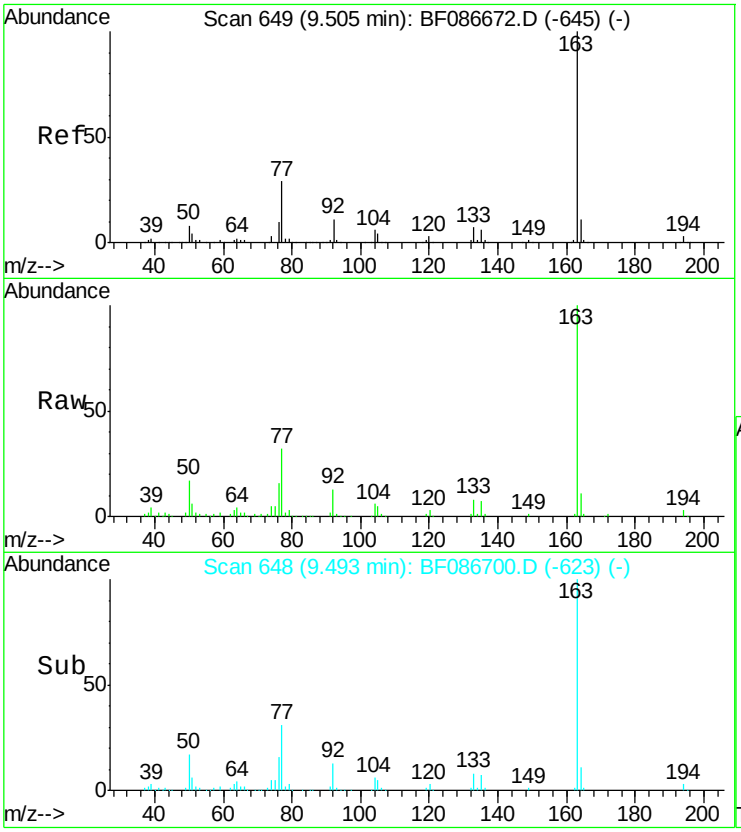




#44
2-Fluorobiphenyl
Concen: 93.89 ng
RT: 9.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:172 Resp: 1360556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.0 | 43.6 |
| 170 | 24.9 | 19.8 | 29.8 |



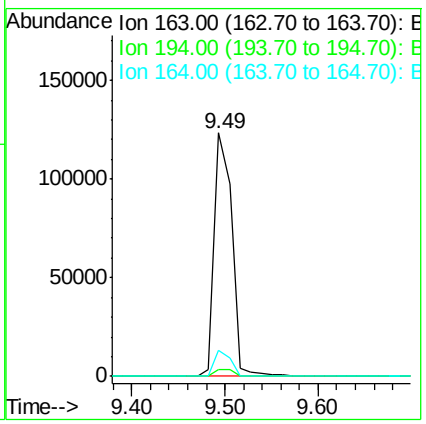


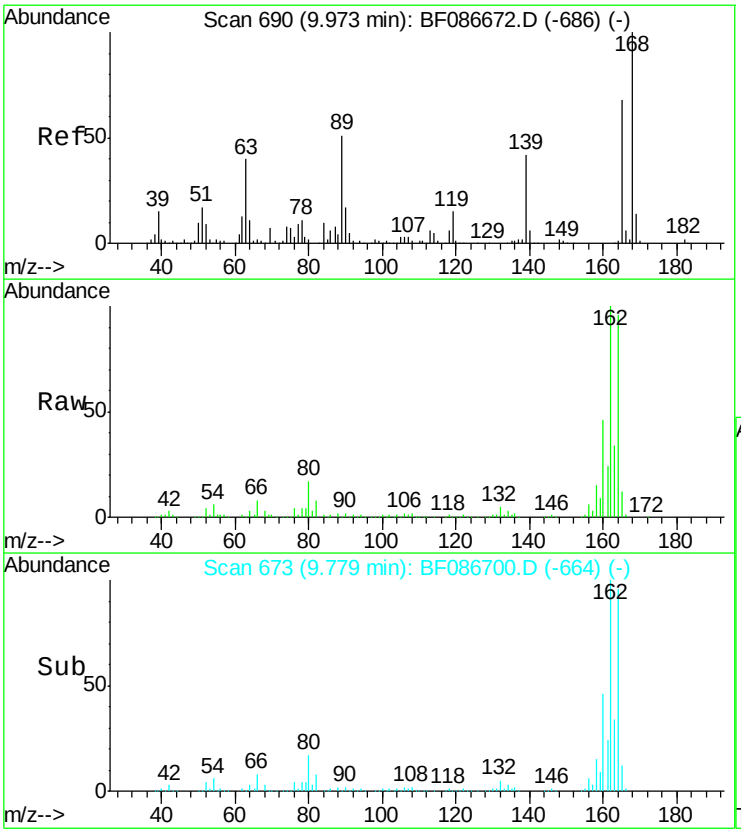

#49
Dimethylphthalate
Concen: 9.12 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:163 Resp: 161433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.7 | 2.6 | 4.0 |
| 164 | 10.7 | 8.2 | 12.4 |

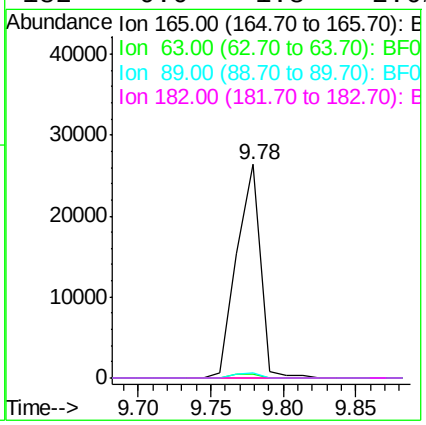


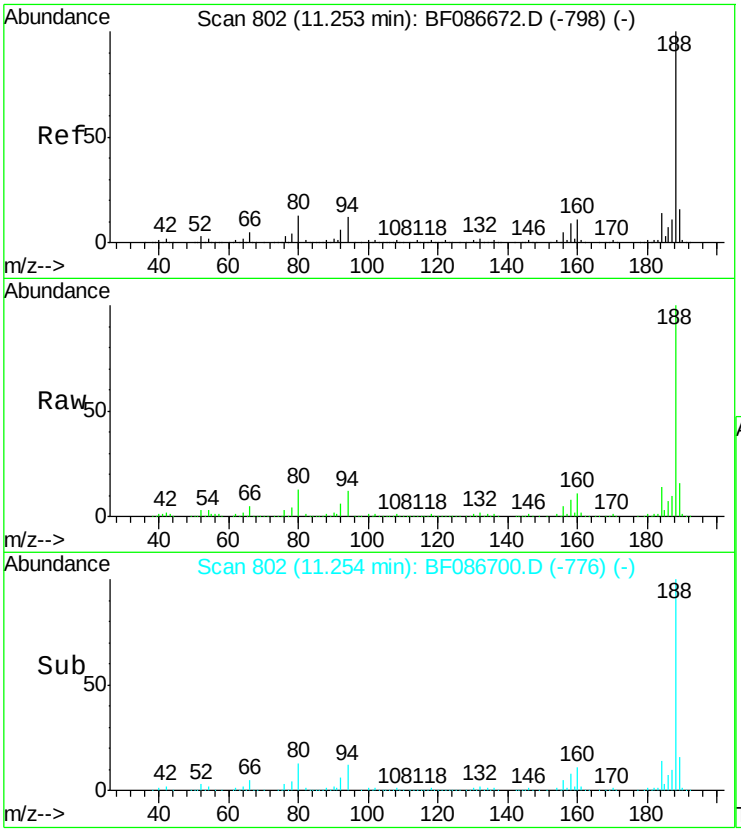




#56
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.19 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:165 Resp: 30130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 44.3 | 66.5# |
| 89 | 2.3 | 70.0 | 105.0# |
| 182 | 0.0 | 1.8 | 2.6# |



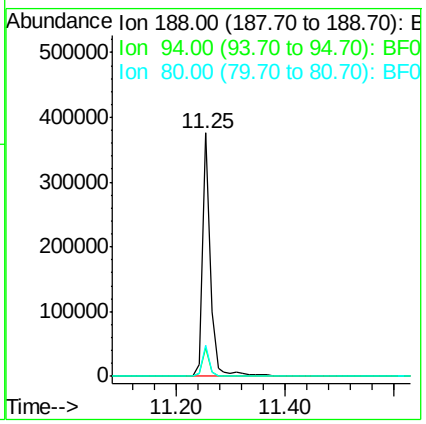


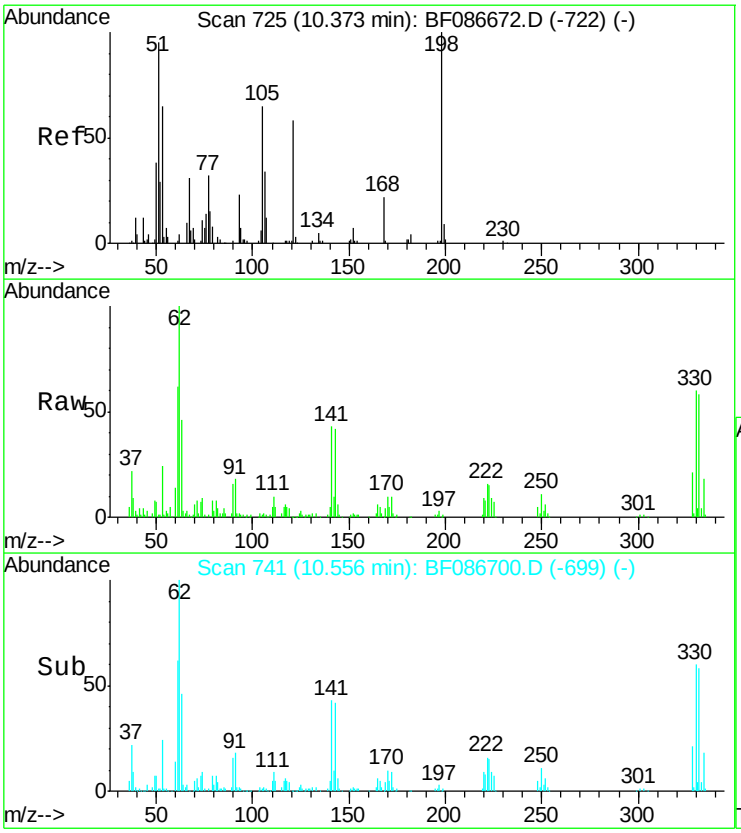

#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:188 Resp: 375099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.6 | 6.8 | 10.2# |
| 80 | 13.0 | 7.1 | 10.7# |

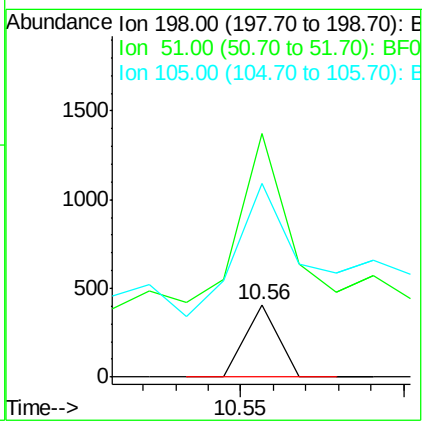


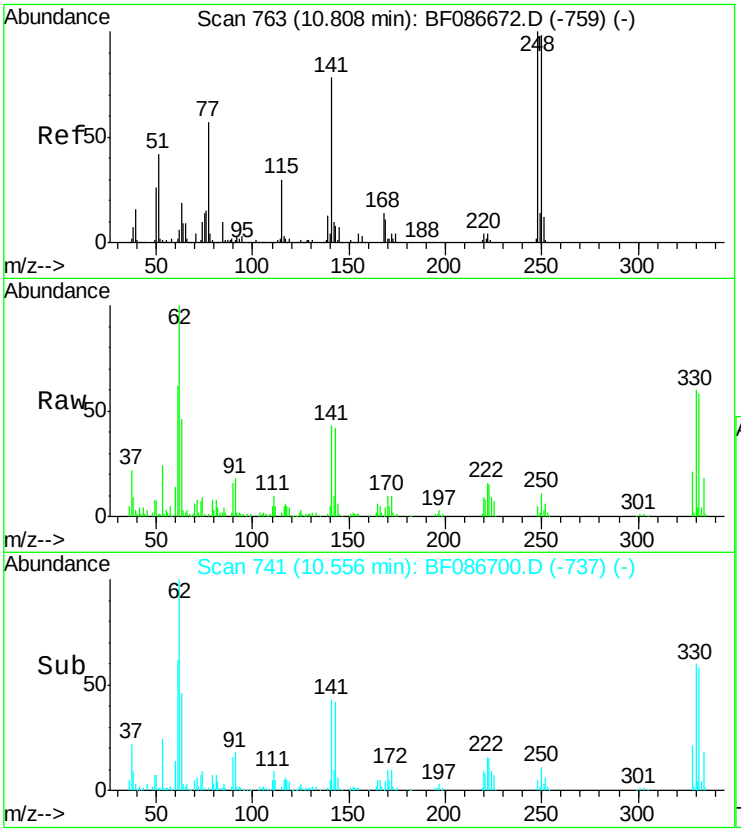




#64
4,6-Dinitro-2-methylphenol
Concen: 5.38 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.18 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:198 Resp: 281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 334.6 | 20.5 | 60.5# |
| 105 | 265.6 | 24.5 | 64.5# |



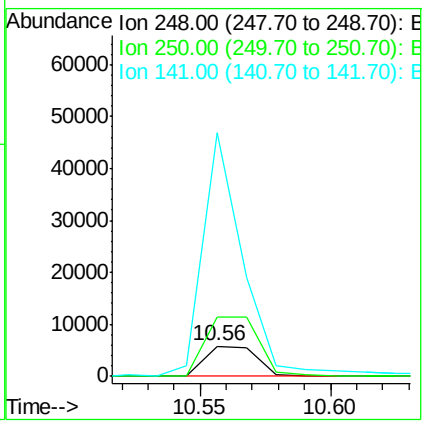


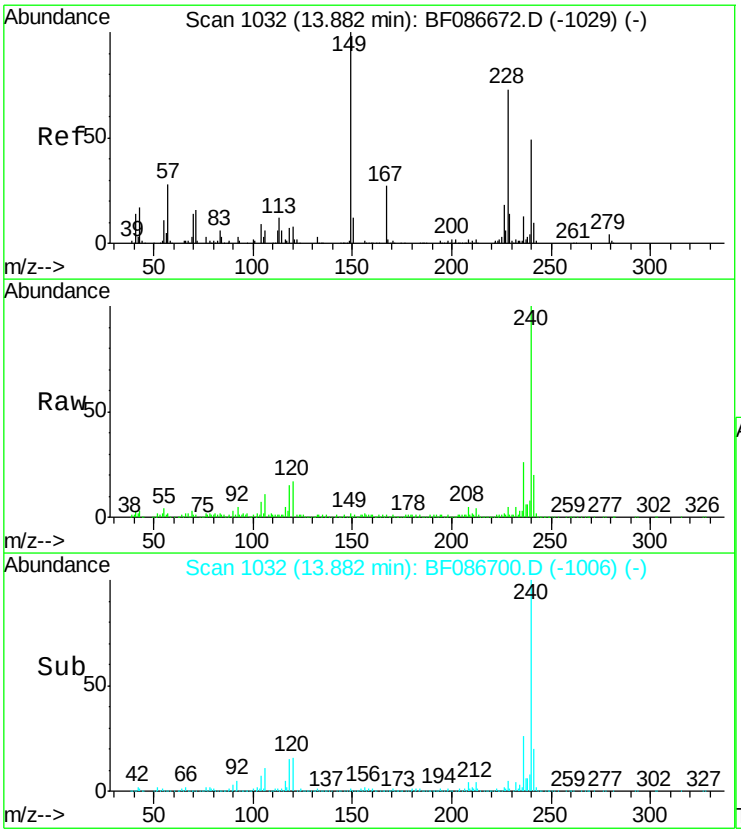

#66
4-Bromophenyl-phenylether
Concen: 2.15 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:248 Resp: 8015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 196.2 | 78.6 | 117.8# |
| 141 | 805.9 | 76.0 | 114.0# |

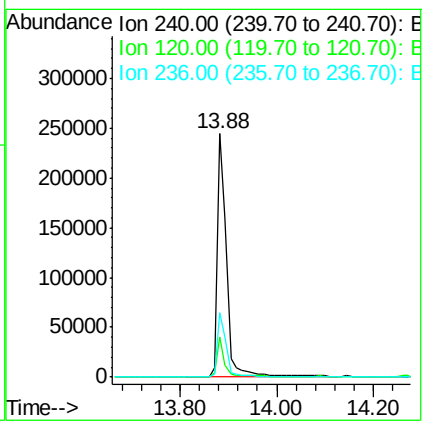


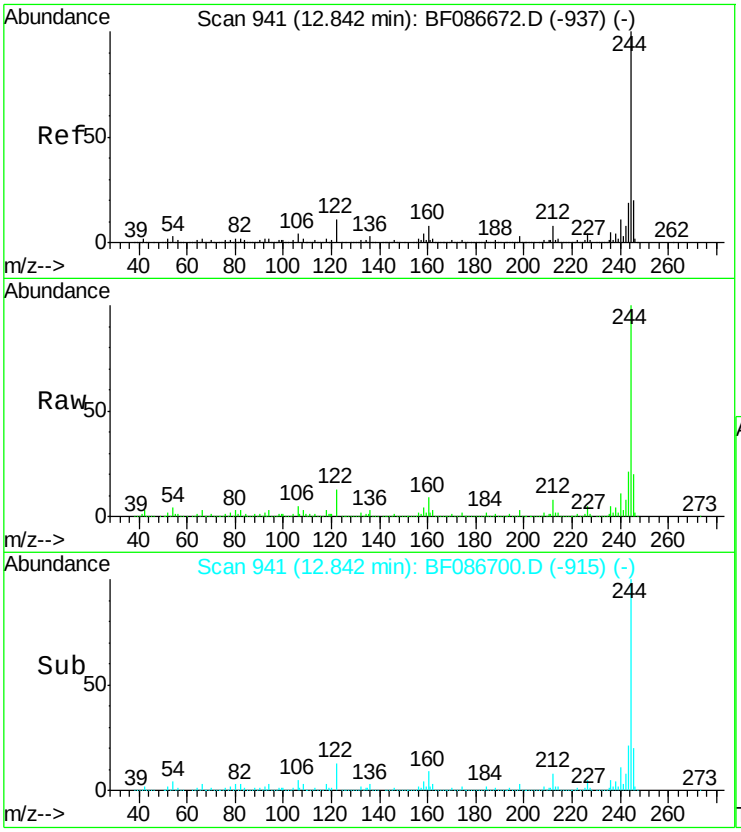




#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:240 Resp: 330803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.6 | 11.2 | 16.8 |
| 236 | 26.4 | 21.2 | 31.8 |



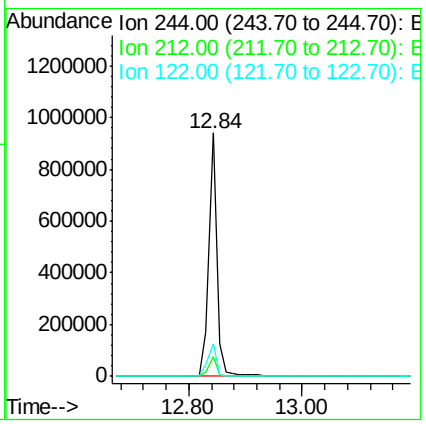


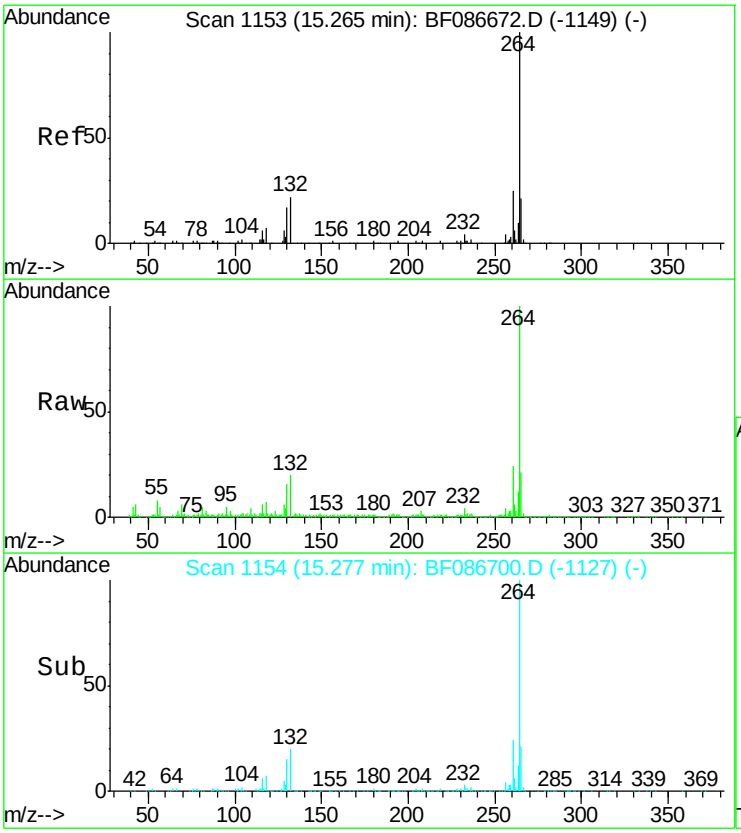

#78
Terphenyl-d14
Concen: 55.06 ng
RT: 12.84 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

**Instrument :**
BNA_F
**ClientSampleId :**
26WARD-2-CS-7(10-20FTBGS)

Tgt Ion:244 Resp: 901212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 6.2 | 9.2 |
| 122 | 13.3 | 12.0 | 18.0 |




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086700.D
Acq: 5 May 2016 2:22

Tgt Ion:264 Resp: 246137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.5 | 29.3 |
| 265 | 21.3 | 17.3 | 25.9 |