Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
Data File : BF099237.D
Acq On : 8 Oct 2017 17:33
Operator : SJ/JU
Sample : I5706-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Oct 09 01:12:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 144987 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 598041 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 281195 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 508755 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 393968 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 283142 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 1034323 | 113.56 | ng | | 0.03 |
| 7) Phenol-d6 | 6.50 | 99 | 1167157 | 103.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 823914 | 88.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 298152 | 129.58 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1492710 | 88.62 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 1358035 | 78.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.64 | 77 | 20862 | 3.20 | ng | | 85 |
| 15) Benzyl Alcohol | 7.02 | 79 | 19033 | 2.31 | ng | # | 45 |
| 19) n-Nitroso-di-n-propylamine | 7.43 | 70 | 106863 | 14.90 | ng | # | 73 |
| 25) Isophorone | 7.43 | 82 | 823906 | 42.73 | ng | # | 64 |
| 50) 2,6-Dinitrotoluene | 9.90 | 165 | 35444 | 7.67 | ng | # | 25 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 35444 | 5.91 | ng | # | 23 |
| 66) 4-Bromophenyl-phenylether | 10.69 | 248 | 19336 | 3.88 | ng | # | 1 |

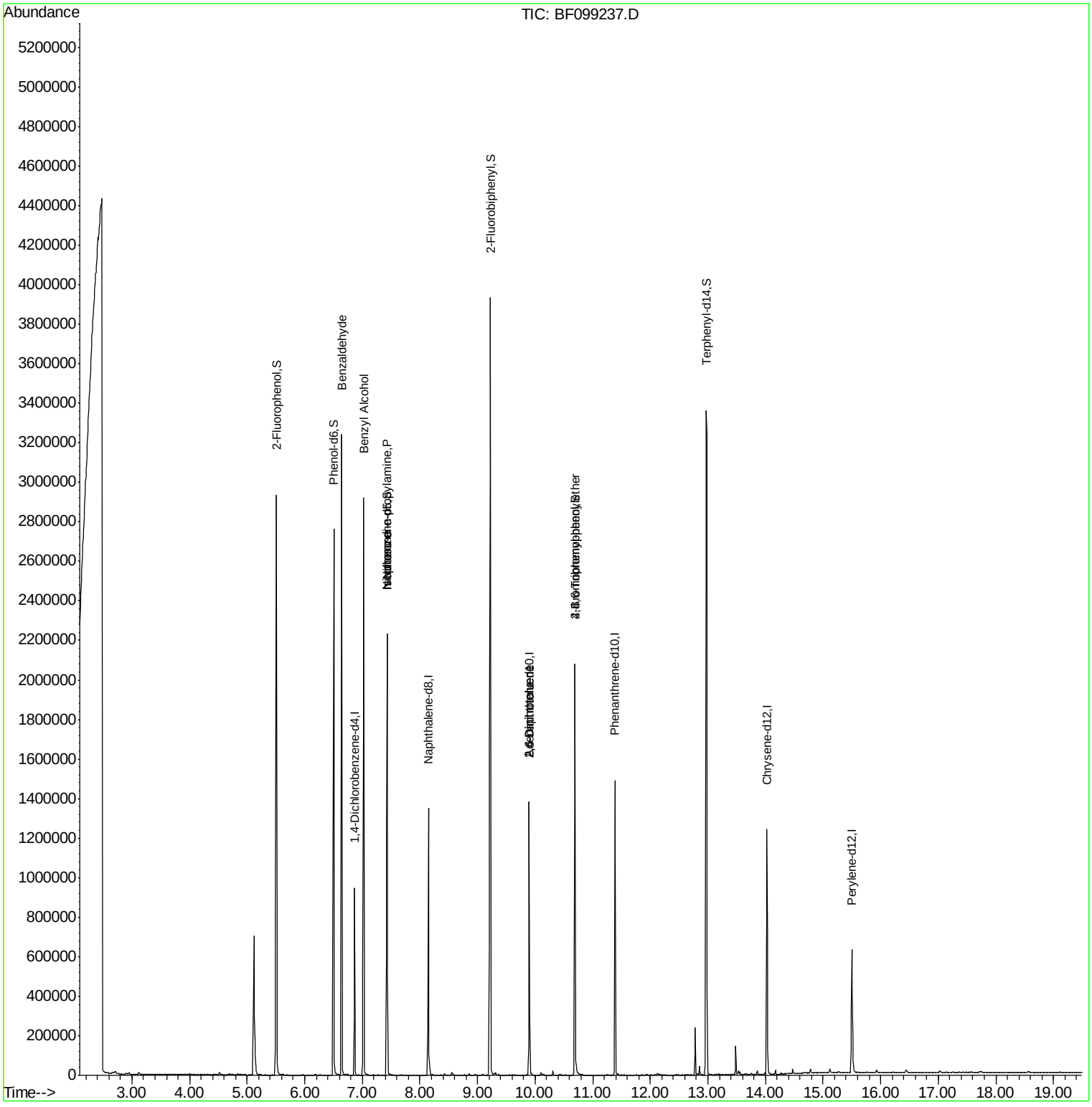
(#) = qualifier out of range (m) = manual integration (+) = signals summed

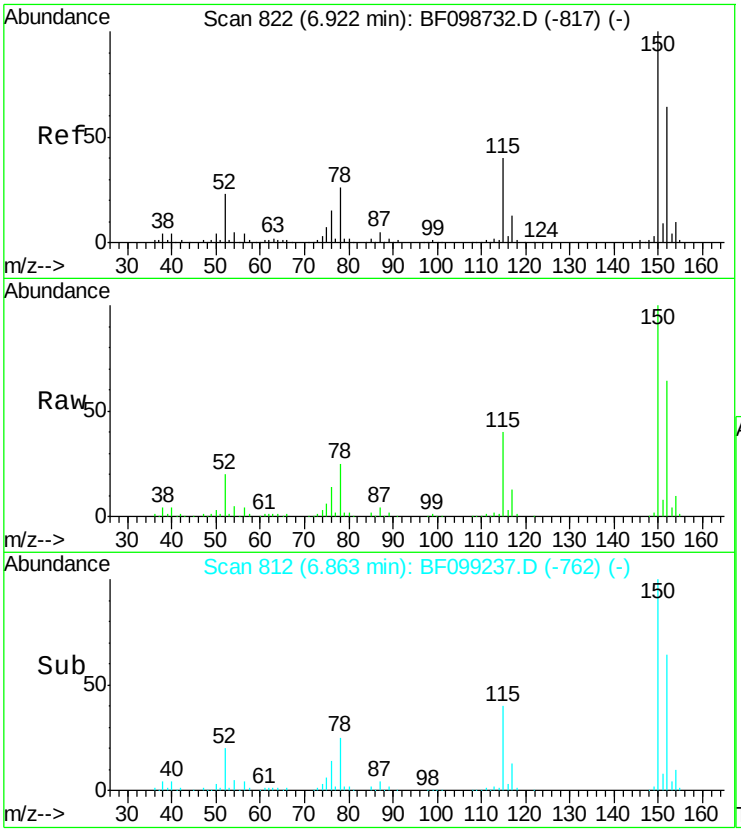
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
Data File : BF099237.D
Acq On : 8 Oct 2017 17:33
Operator : SJ/JU
Sample : I5706-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Oct 09 01:12:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration



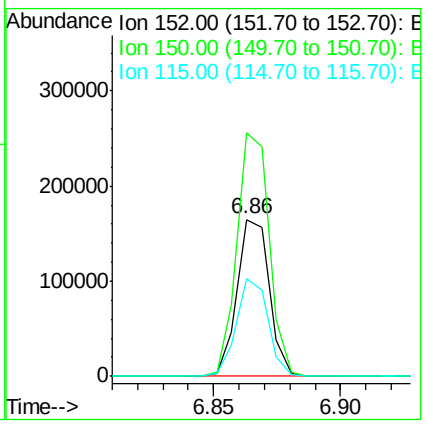


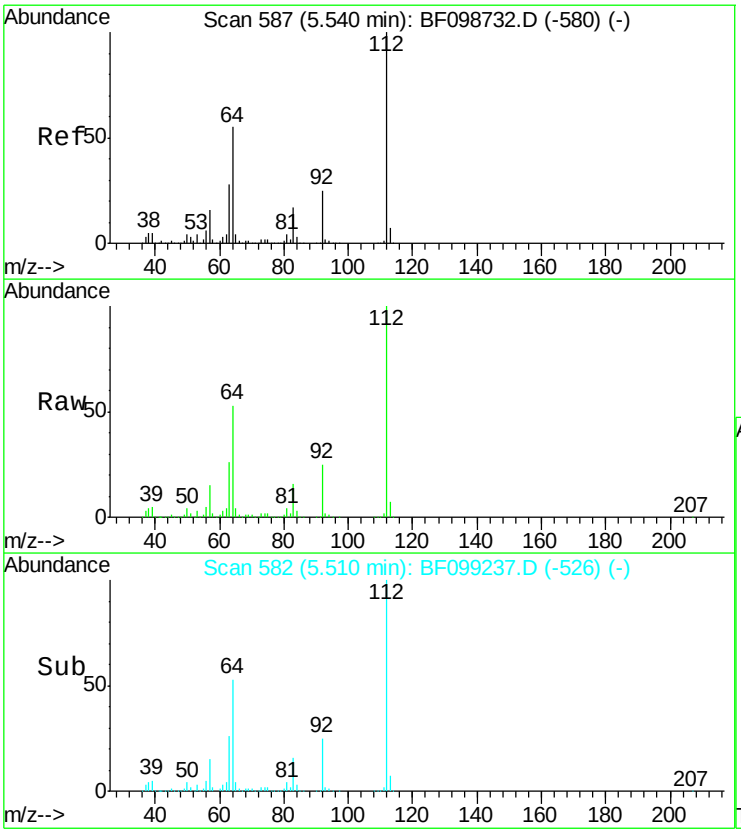

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 144987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 124.6 | 186.8 |
| 115 | 62.6 | 50.1 | 75.1 |

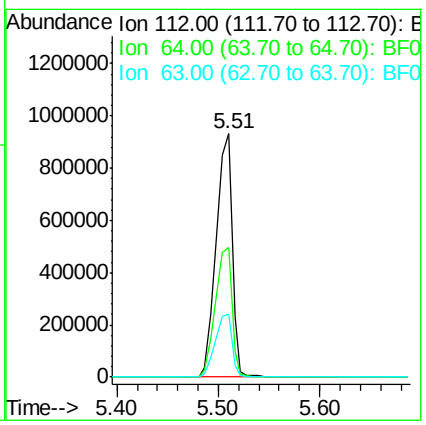


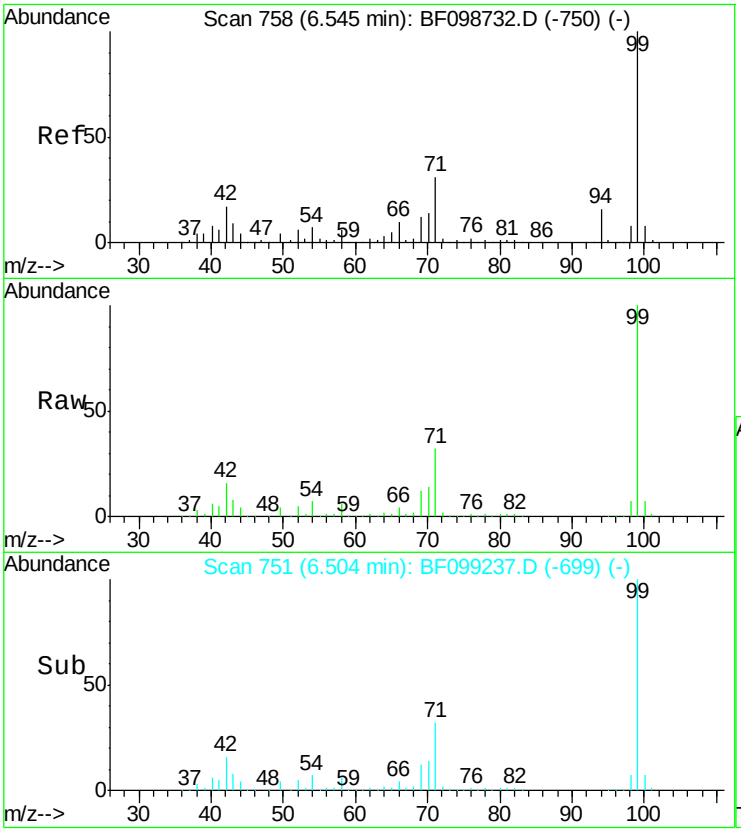




#5
2-Fluorophenol
Concen: 113.56 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.03 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:112 Resp: 1034323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.2 | 47.9 | 71.9 |
| 63 | 26.0 | 23.7 | 35.5 |



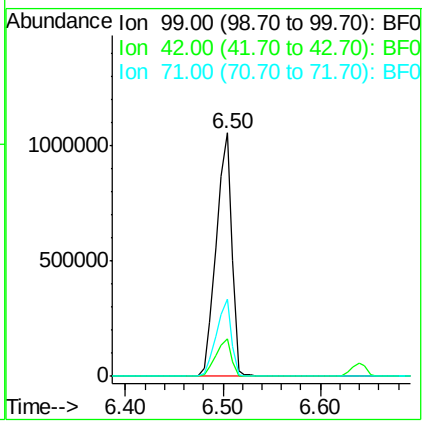


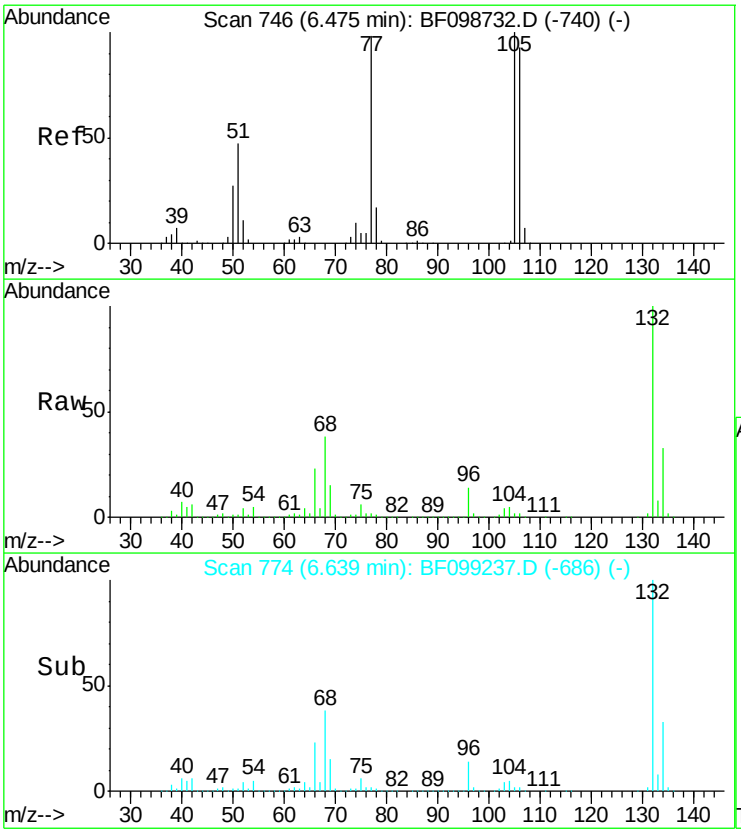

#7
Phenol-d6
Concen: 103.88 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 1167157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.6 | 14.5 | 21.7 |
| 71 | 31.6 | 25.4 | 38.0 |

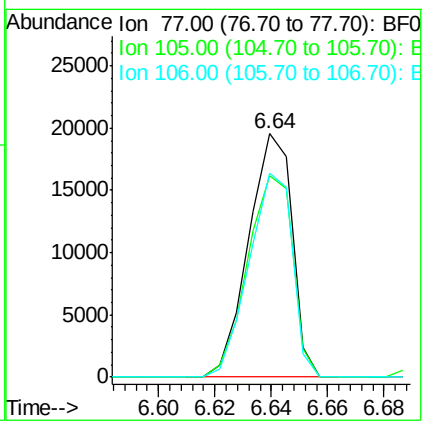


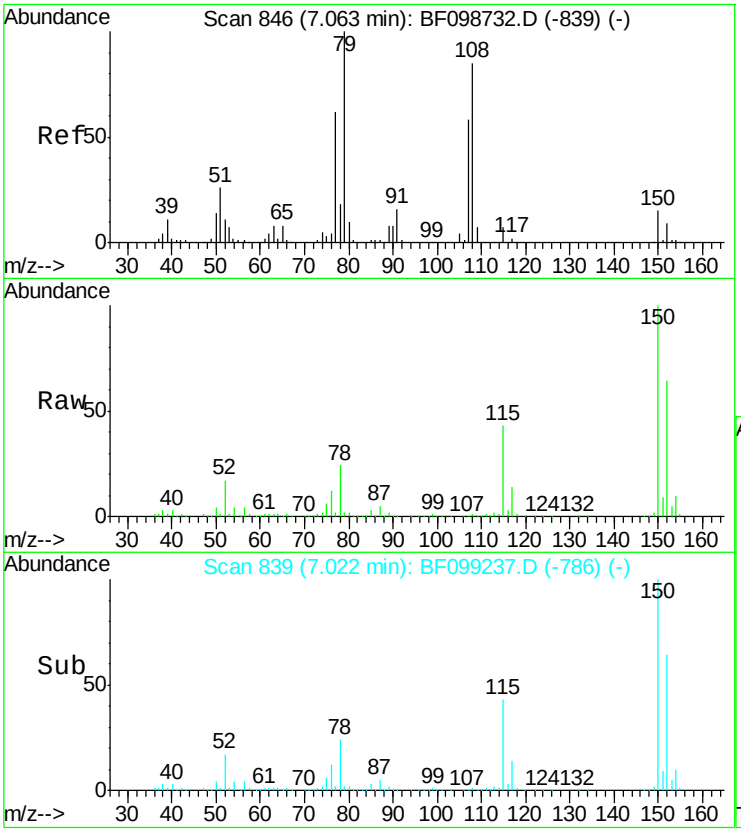




#9
Benzaldehyde
Concen: 3.20 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.22 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion: 77 Resp: 20862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 82.6 | 81.1 | 121.1 |
| 106 | 83.8 | 74.5 | 114.5 |



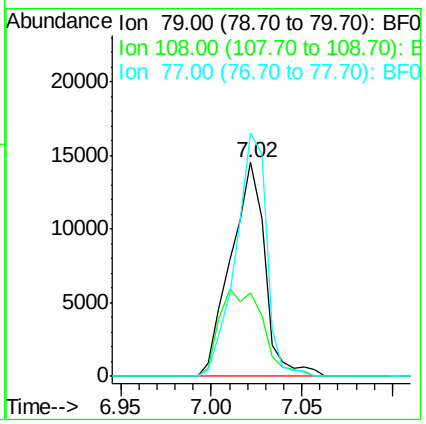


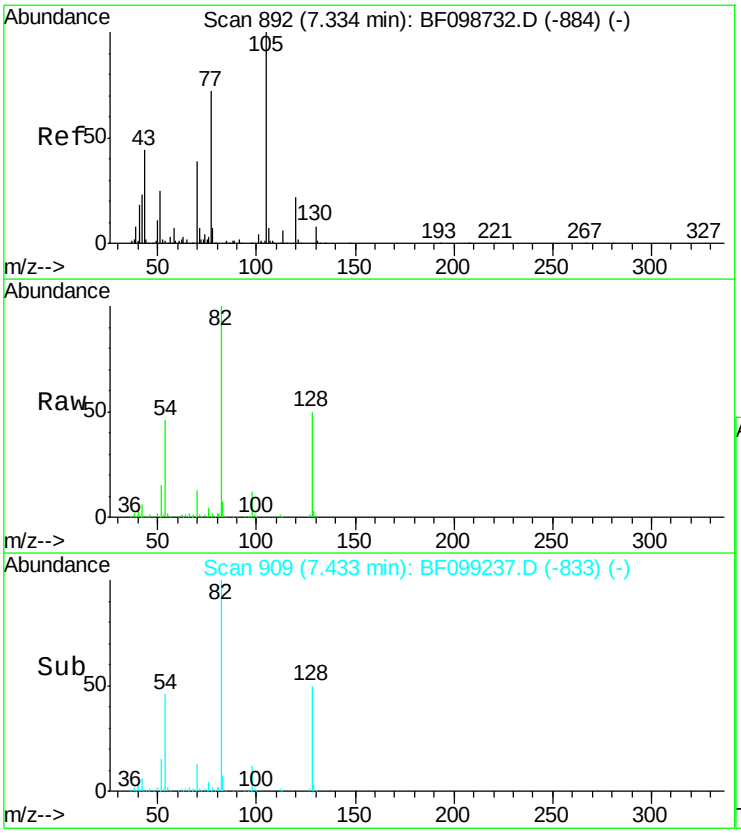

#15
Benzyl Alcohol
Concen: 2.31 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 79 Resp: 19033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 38.9 | 65.1 | 97.7# |
| 77 | 113.8 | 50.6 | 75.8# |

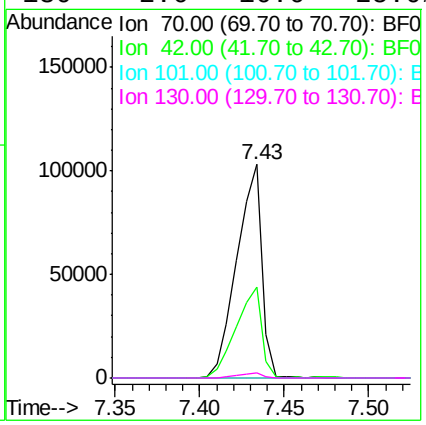


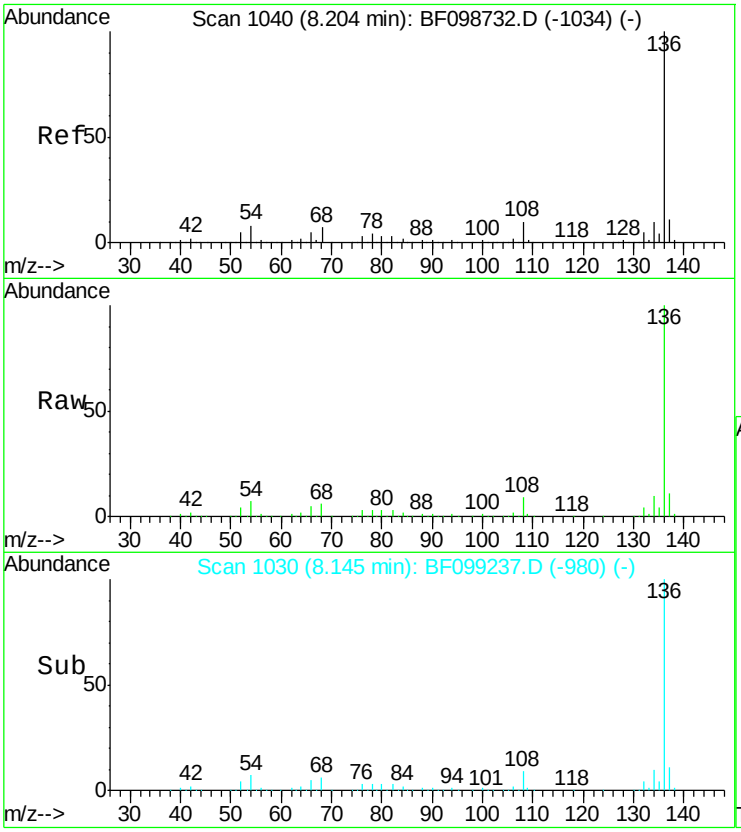




#19
n-Nitroso-di-n-propylamine
Concen: 14.90 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion: 70 Resp: 106863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.3 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.6 | 16.6 | 25.0# |



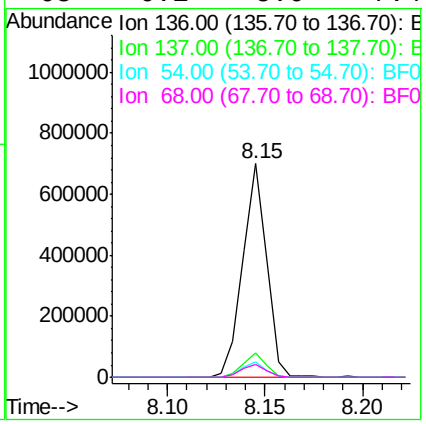


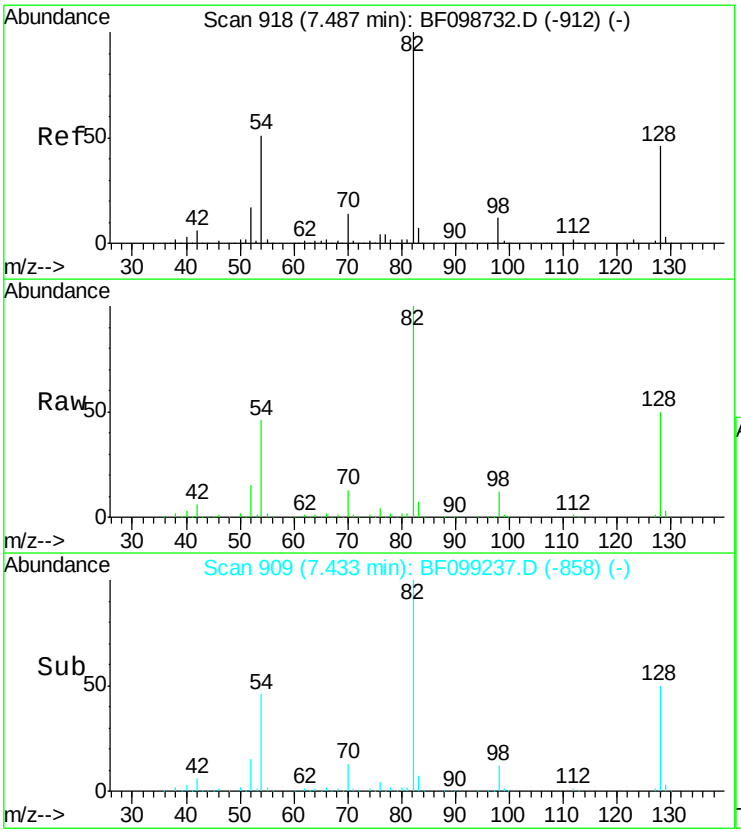

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 598041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 7.4 | 6.6 | 9.8 |
| 68 | 6.1 | 5.0 | 7.4 |

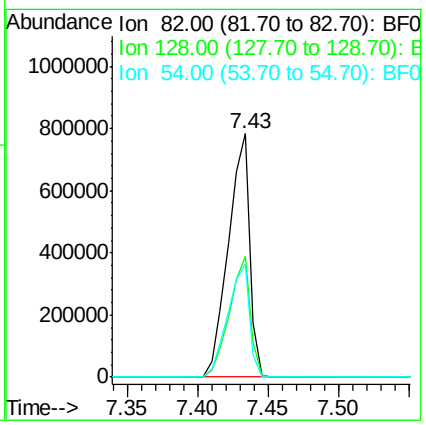


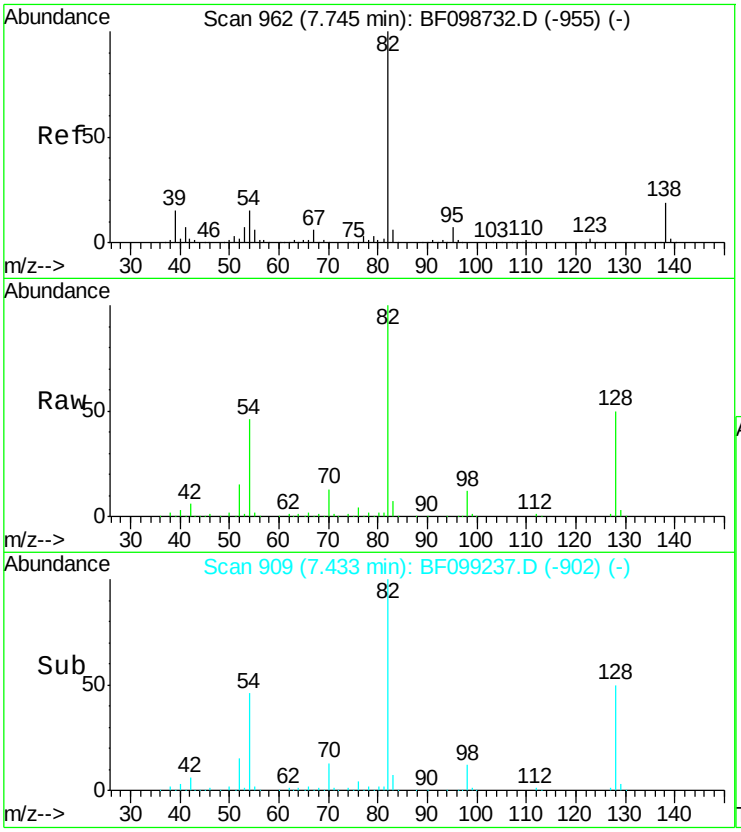




#23
Nitrobenzene-d5
Concen: 88.35 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion: 82 Resp: 823914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.6 | 36.1 | 54.1 |
| 54 | 46.3 | 41.4 | 62.2 |



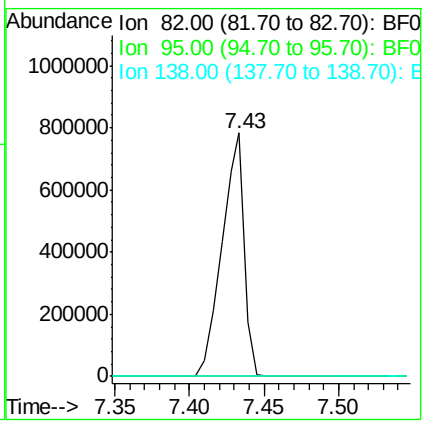


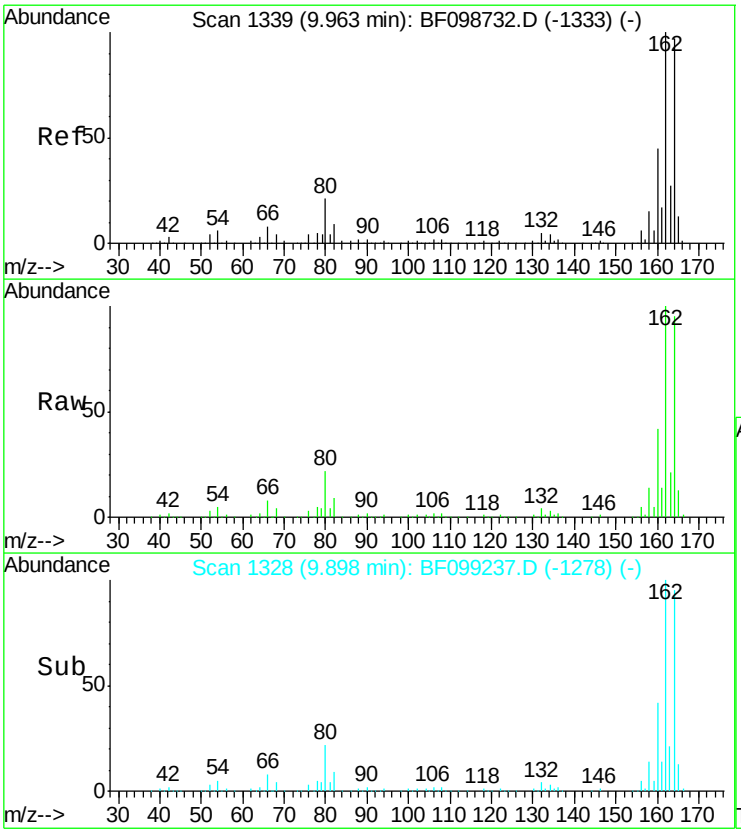

#25
Isophorone
Concen: 42.73 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 823906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

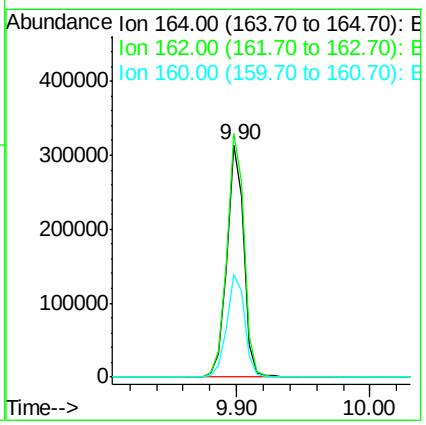


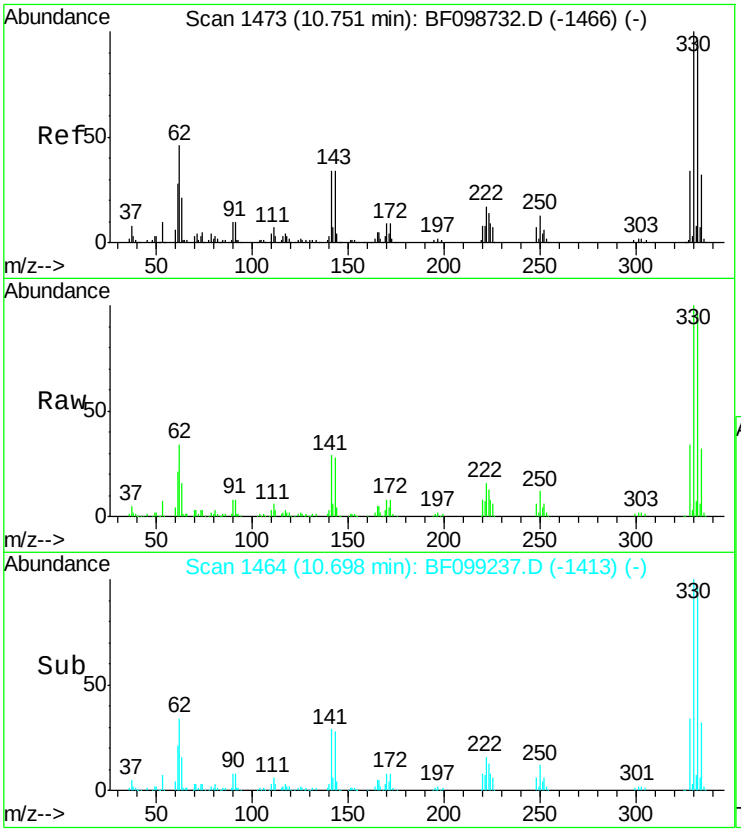




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:164 Resp: 281195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.8 | 86.1 | 129.1 |
| 160 | 44.5 | 38.3 | 57.5 |



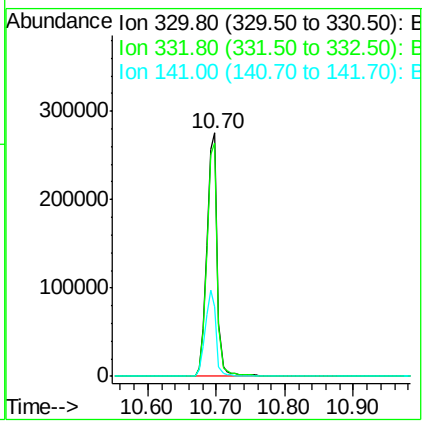


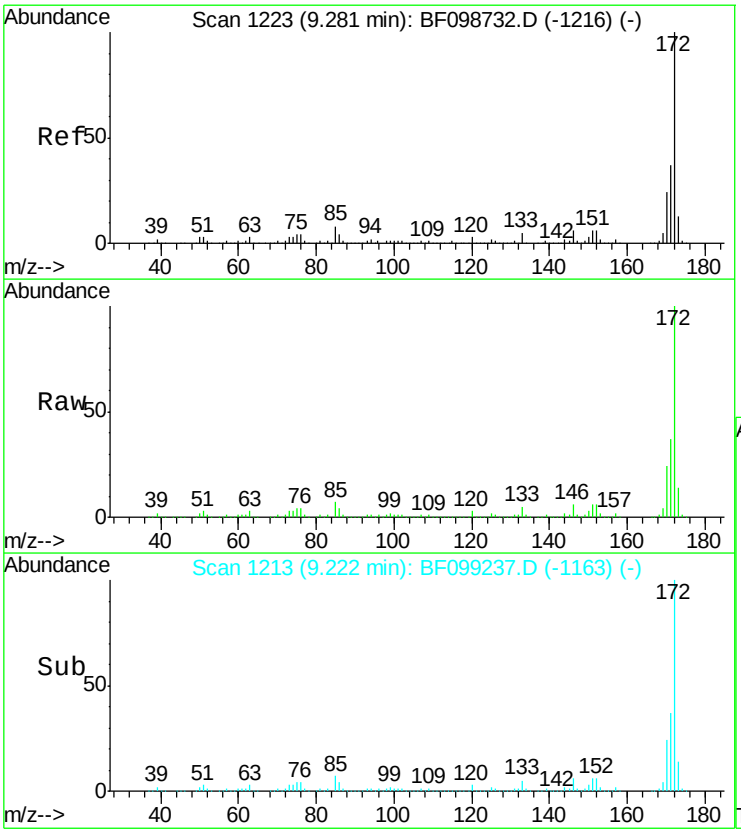

#41
2,4,6-Tribromophenol
Concen: 129.58 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 298152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.0 | 115.6 |
| 141 | 37.1 | 29.9 | 44.9 |

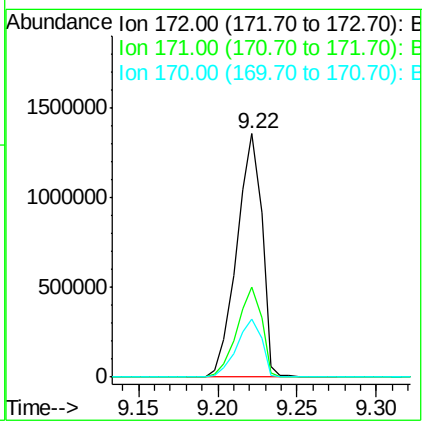


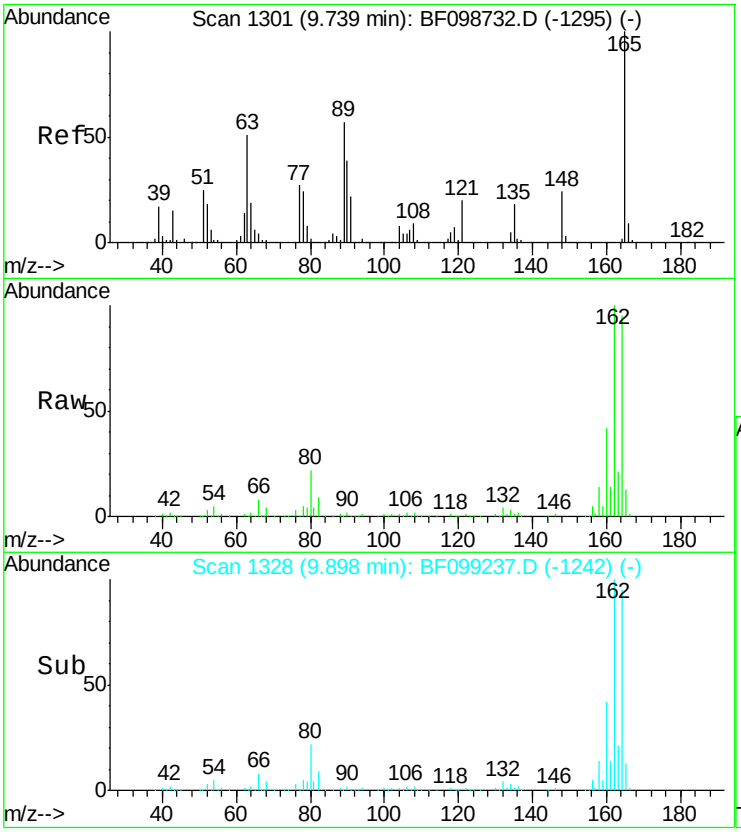




#44
2-Fluorobiphenyl
Concen: 88.62 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:172 Resp: 1492710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 29.7 | 44.5 |
| 170 | 24.1 | 19.6 | 29.4 |



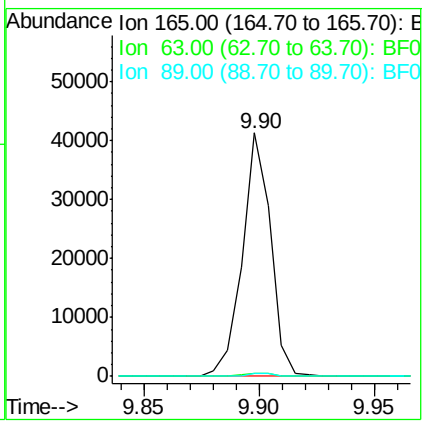


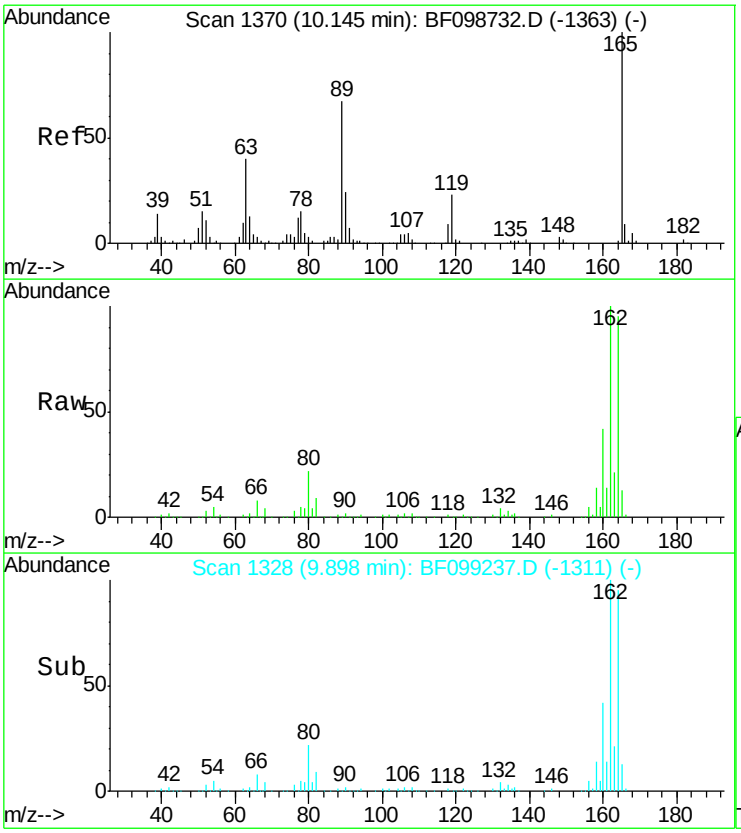

#50
2,6-Dinitrotoluene
Concen: 7.67 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:165 Resp: 35444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 44.7 | 67.1# |
| 89 | 1.3 | 44.0 | 66.0# |

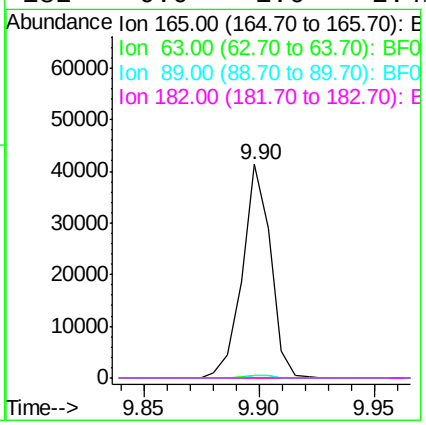


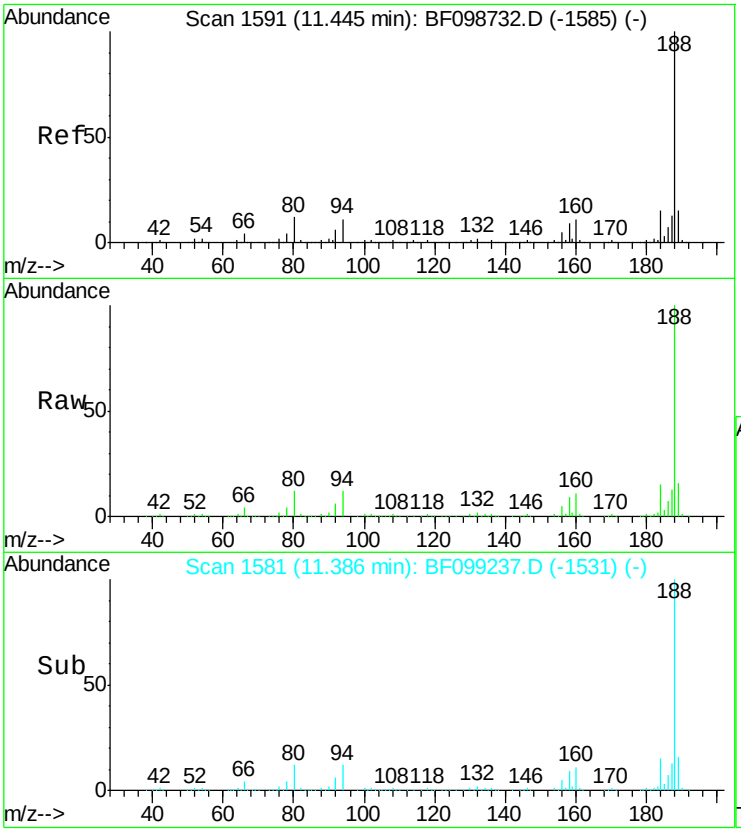




#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:165 Resp: 35444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 1.3 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



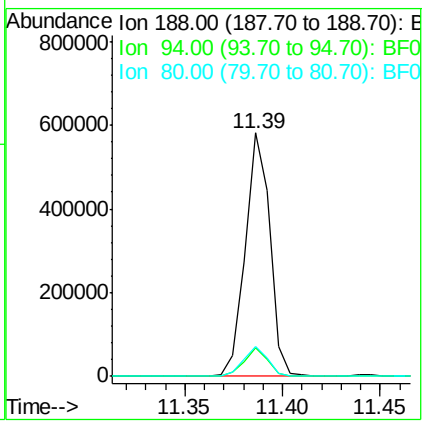


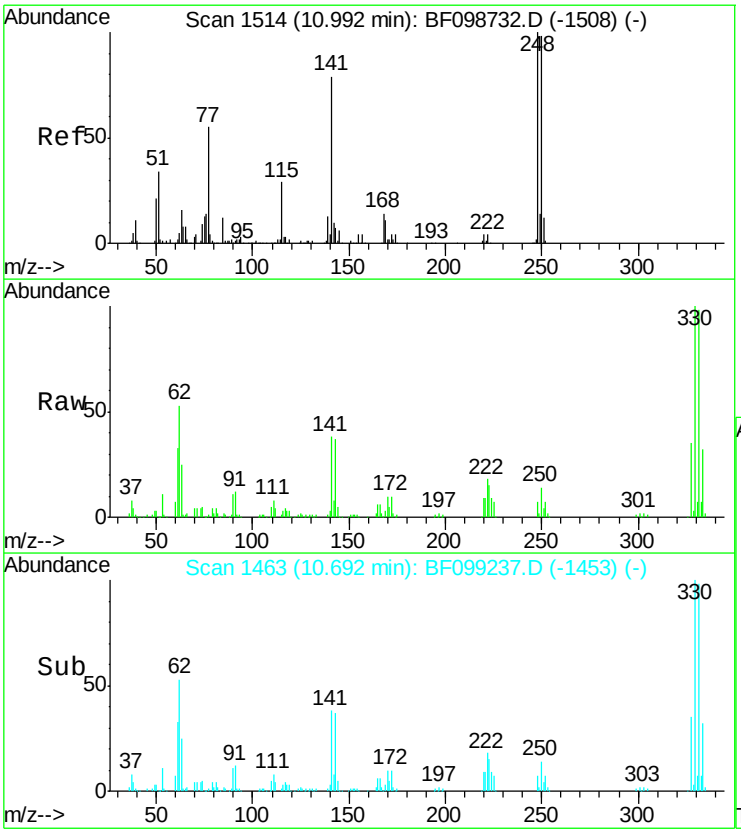

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:188 Resp: 508755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 8.5 | 12.7 |
| 80 | 12.1 | 9.2 | 13.8 |

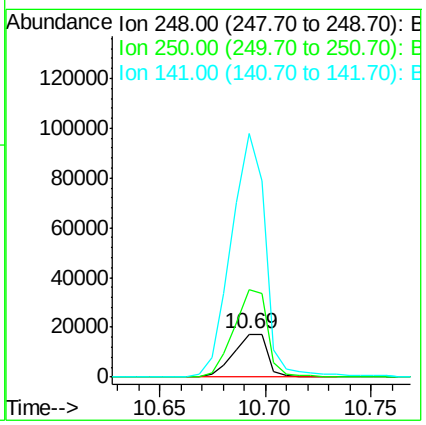


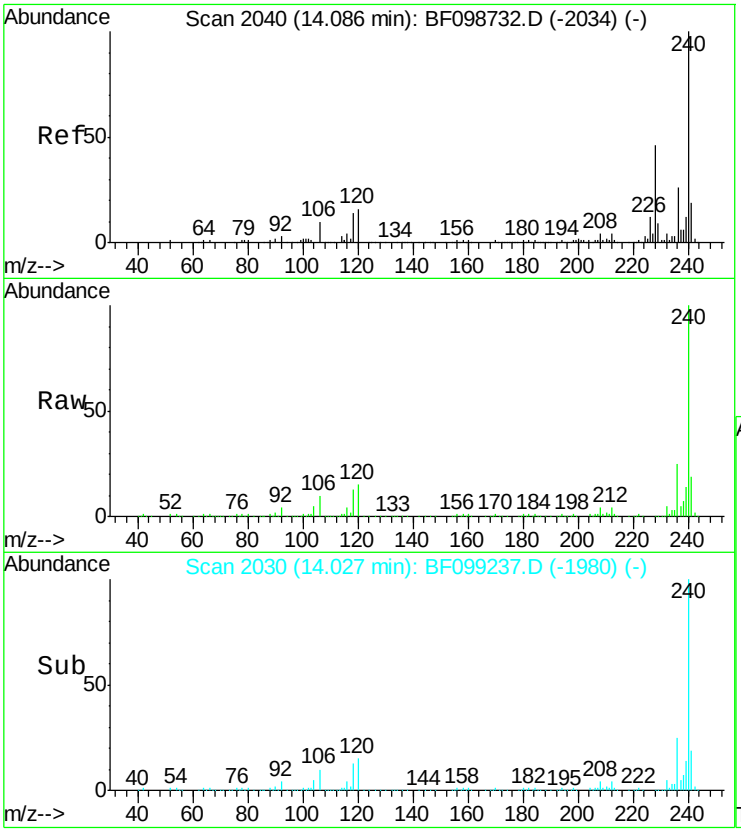




#66
4-Bromophenyl-phenylether
Concen: 3.88 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:248 Resp: 19336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 202.1 | 76.9 | 115.3# |
| 141 | 563.7 | 74.4 | 111.6# |



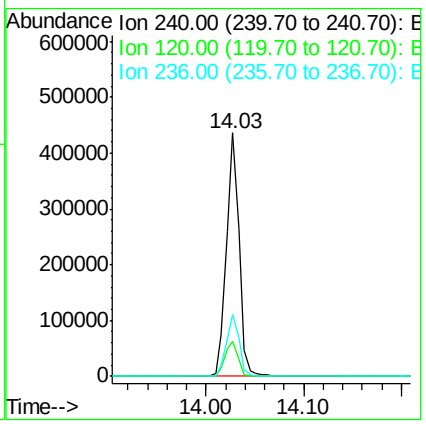


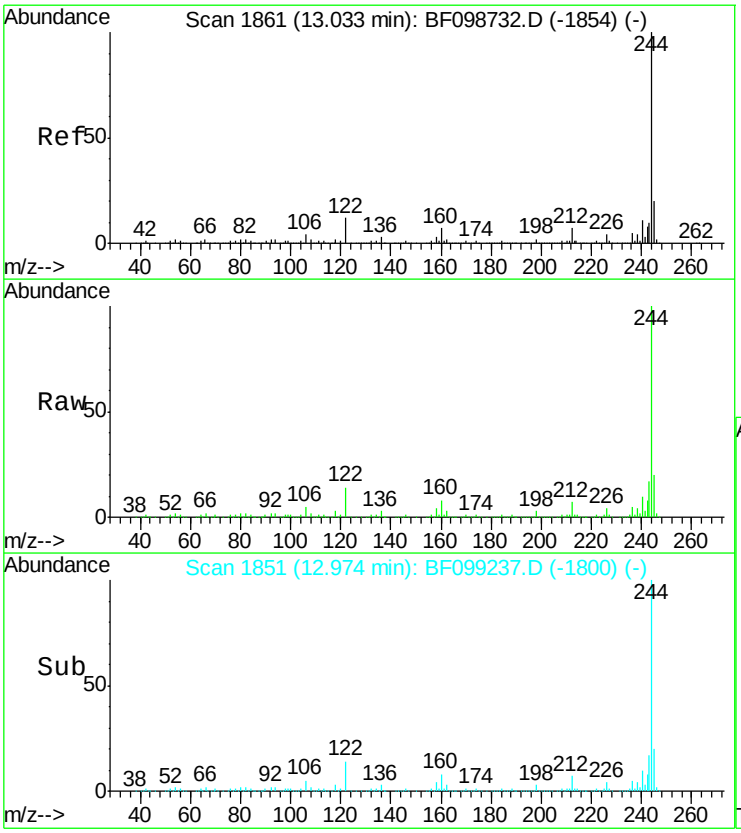

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:240 Resp: 393968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.6 | 9.5 | 14.3# |
| 236 | 25.4 | 20.7 | 31.1 |

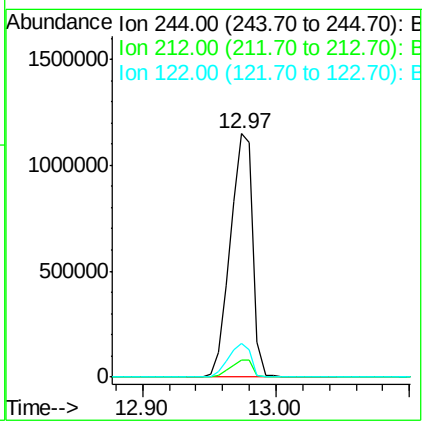


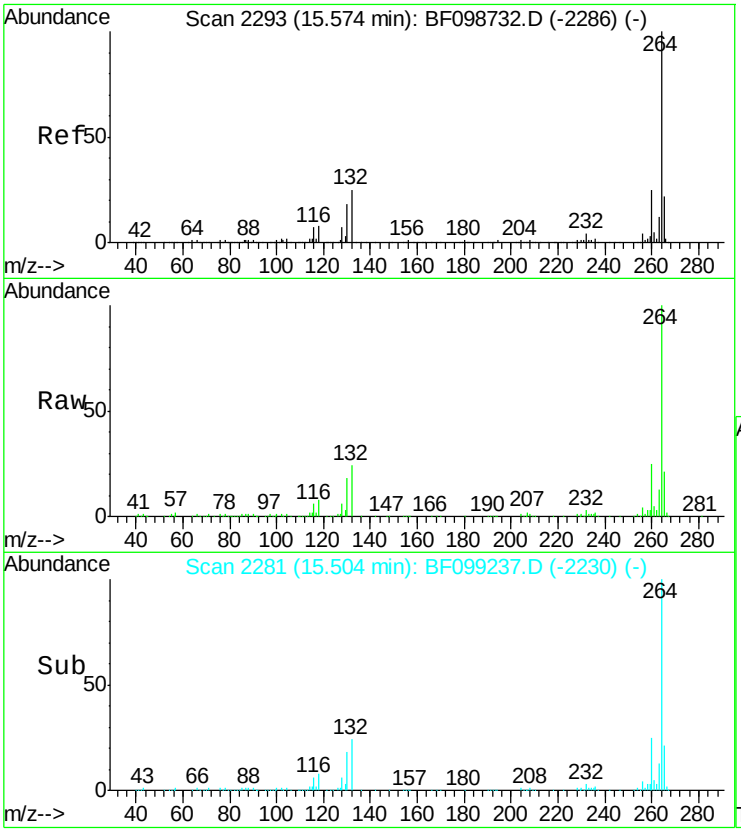




#78
Terphenyl-d14
Concen: 78.39 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

Tgt Ion:244 Resp: 1358035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.4 | 8.0 |
| 122 | 13.6 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099237.D
Acq: 8 Oct 2017 17:33

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:264 Resp: 283142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.2 | 28.8 |
| 265 | 21.0 | 17.5 | 26.3 |