Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101490.D
Acq On : 18 Dec 2017 19:36
Operator : SJ/JU
Sample : I6908-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 1

Quant Time: Dec 19 01:24:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 147926 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 564936 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 218252 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 333383 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 287805 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 289105 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 886378 | 89.26 | ng | | 0.01 |
| 7) Phenol-d6 | 6.45 | 99 | 1032376 | 83.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 628675 | 61.95 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 182832 | 86.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 1039029 | 73.85 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 711032 | 59.56 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.46 | 94 | 50949 | 3.62 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 82576 | 10.17 | ng | # | 82 |
| 25) Isophorone | 7.37 | 82 | 628671 | 30.88 | ng | # | 64 |
| 49) Dimethylphthalate | 9.56 | 163 | 57662 | 3.28 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 28844 | 8.08 | ng | # | 25 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 28844 | 7.18 | ng | # | 23 |
| 66) 4-Bromophenyl-phenylether | 10.64 | 248 | 11421 | 3.05 | ng | # | 1 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 40990 | 2.33 | ng | # | 91 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 40990 | 2.39 | ng | # | 94 |

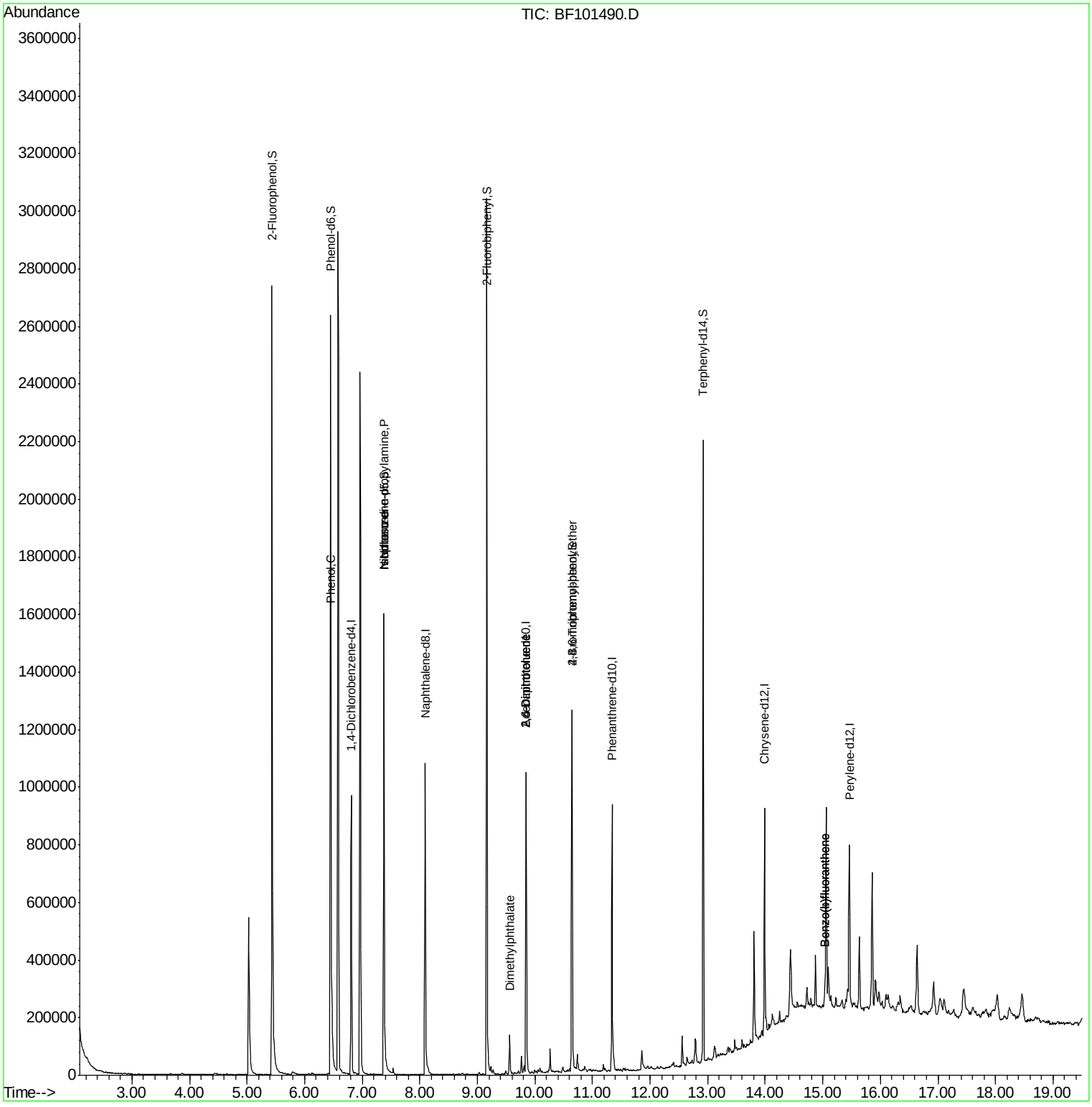
(#) = qualifier out of range (m) = manual integration (+) = signals summed

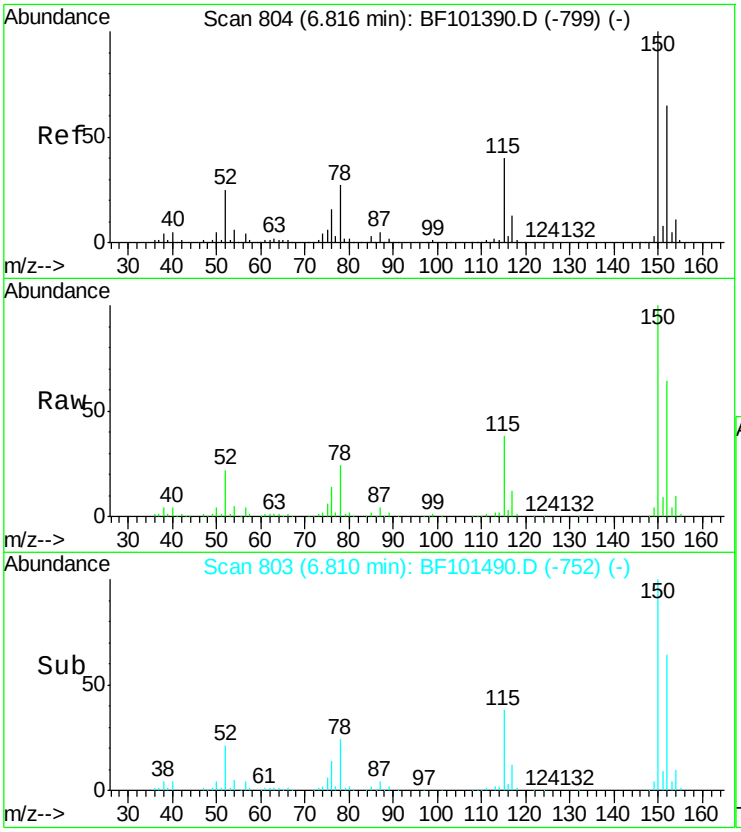
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101490.D
Acq On : 18 Dec 2017 19:36
Operator : SJ/JU
Sample : I6908-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
1

Quant Time: Dec 19 01:24:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration



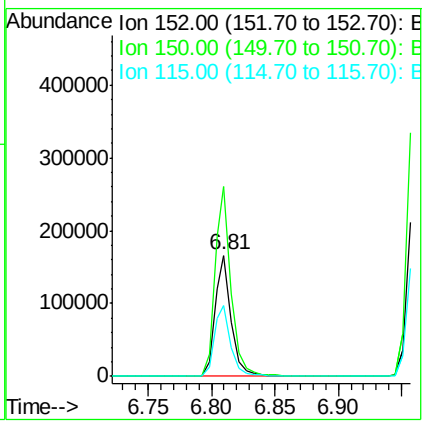


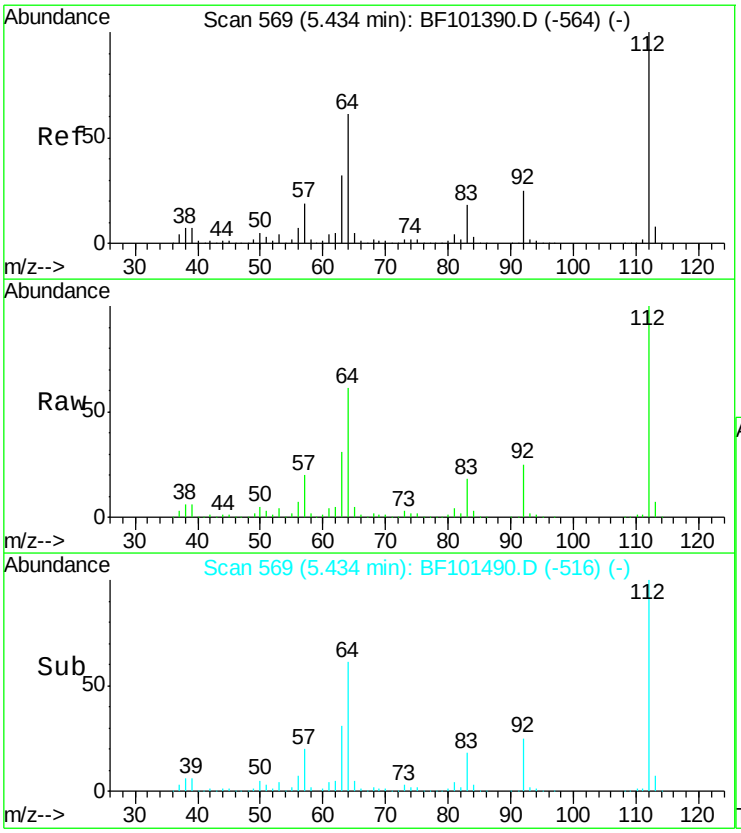

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:152 Resp: 147926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 124.6 | 186.8 |
| 115 | 58.9 | 50.1 | 75.1 |

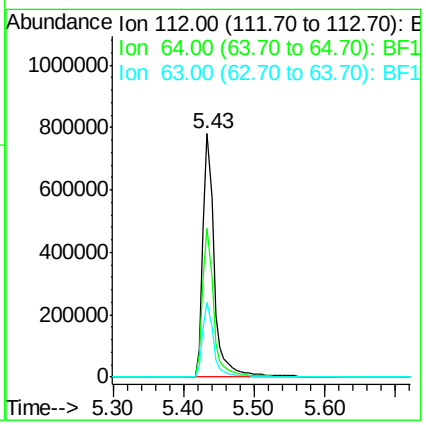


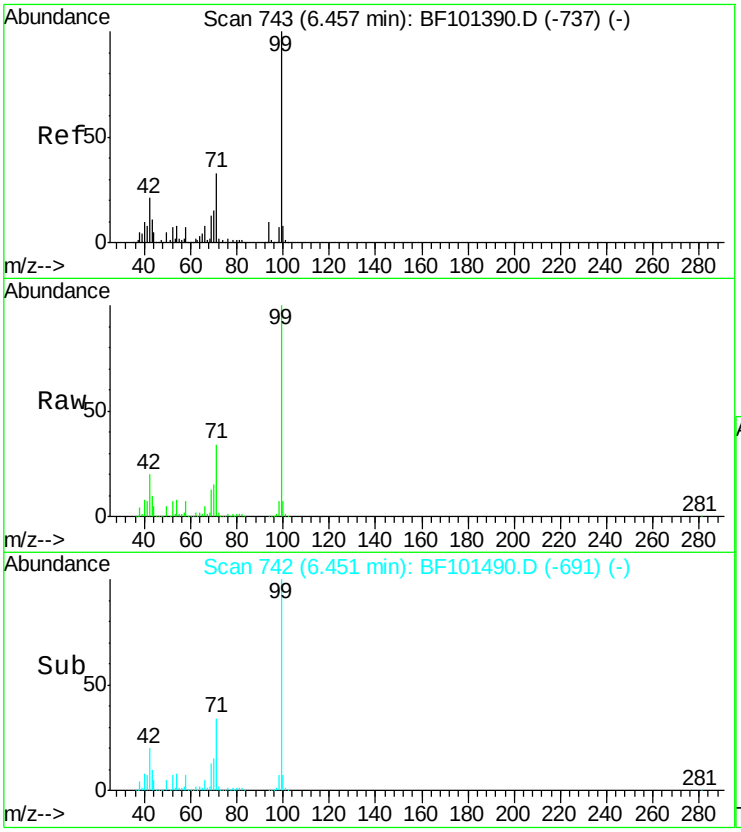




#5
2-Fluorophenol
Concen: 89.26 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:112 Resp: 886378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.3 | 47.9 | 71.9 |
| 63 | 30.8 | 23.7 | 35.5 |



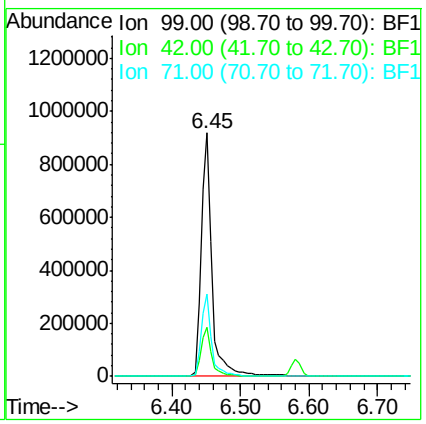


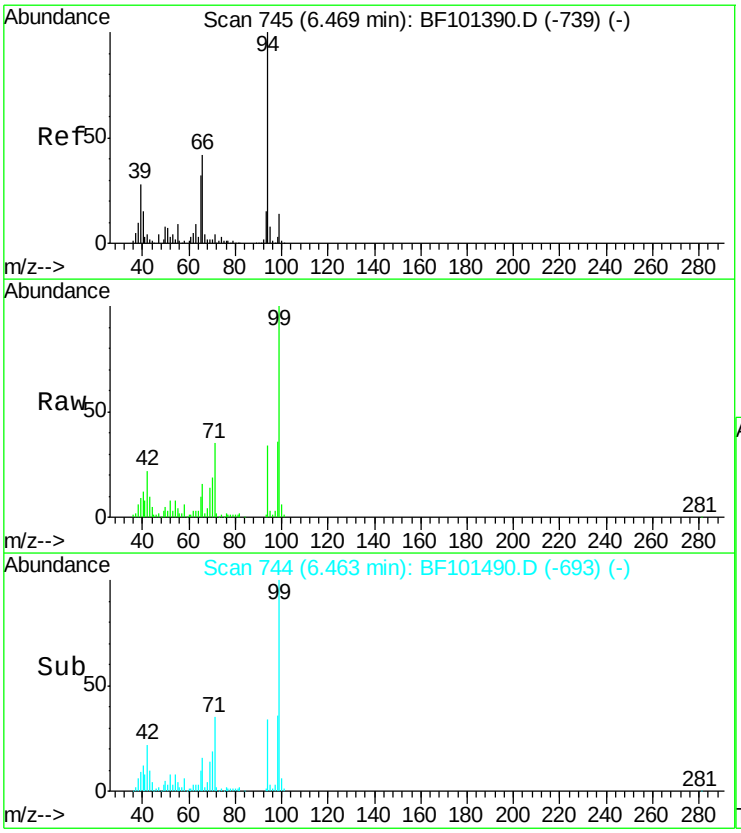

#7
Phenol-d6
Concen: 83.53 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 99 Resp: 1032376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 14.5 | 21.7 |
| 71 | 33.8 | 25.4 | 38.0 |

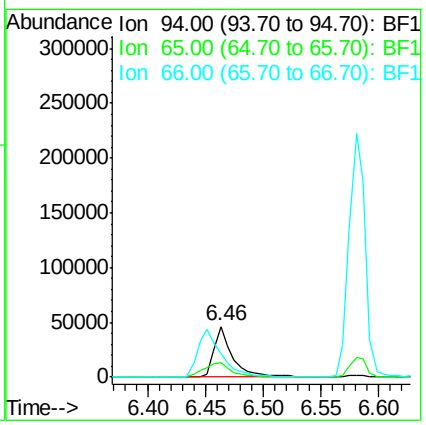


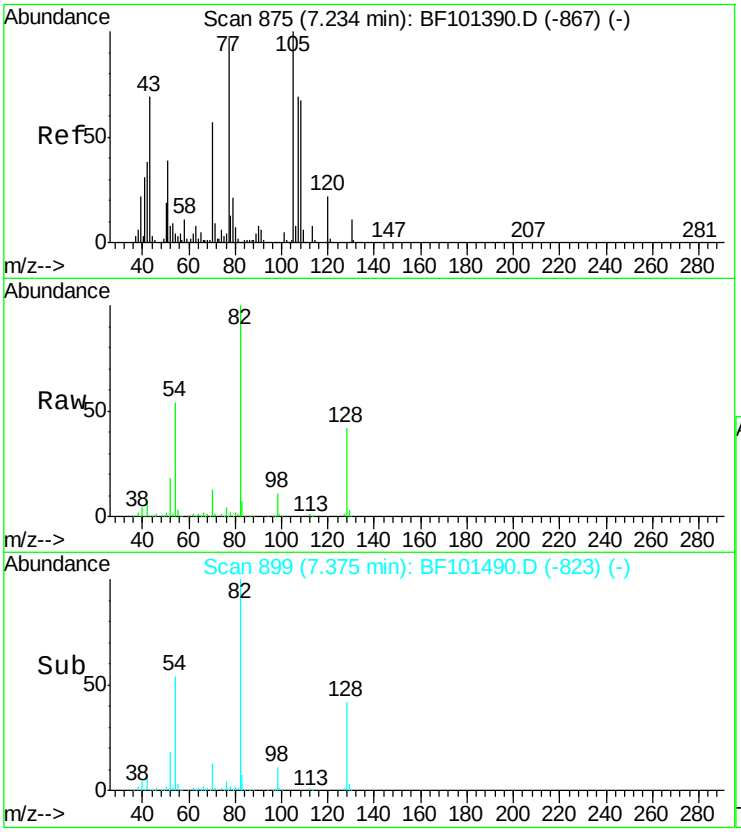




#10
Phenol
Concen: 3.62 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion: 94 Resp: 50949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 7.9 | 47.9 |
| 66 | 46.5 | 16.2 | 56.2 |



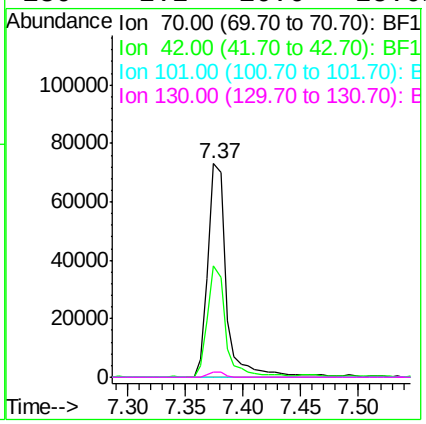


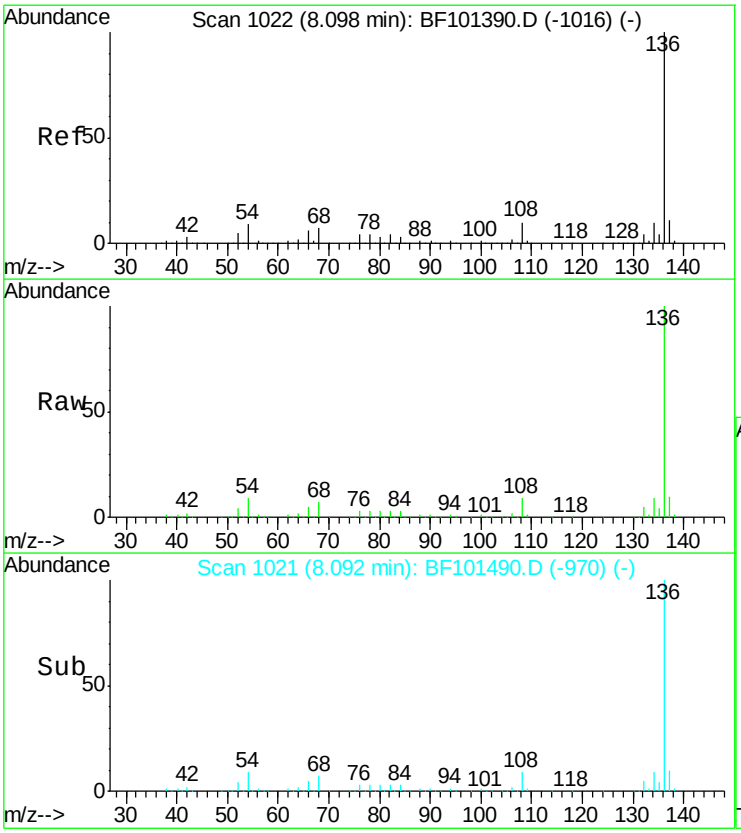

#19
n-Nitroso-di-n-propylamine
Concen: 10.17 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 70 Resp: 82576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.1 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 16.6 | 25.0# |

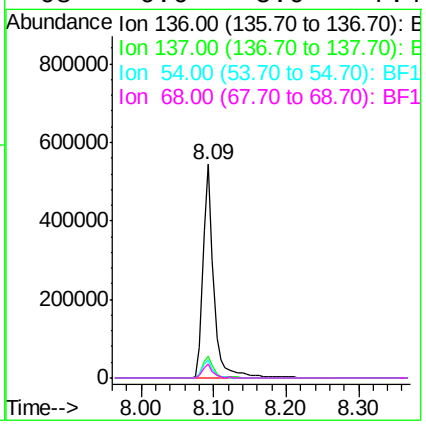


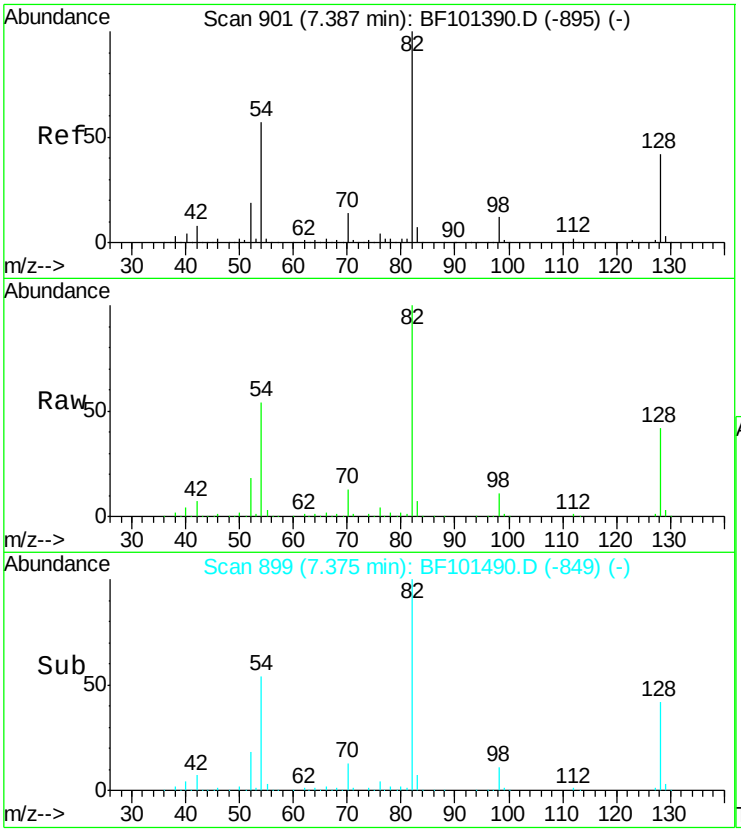




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:136 Resp: 564936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.9 | 13.3 |
| 54 | 8.5 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |



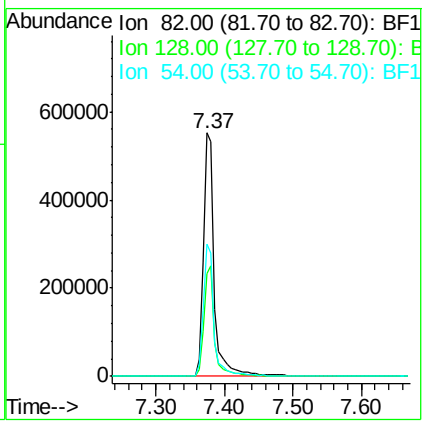


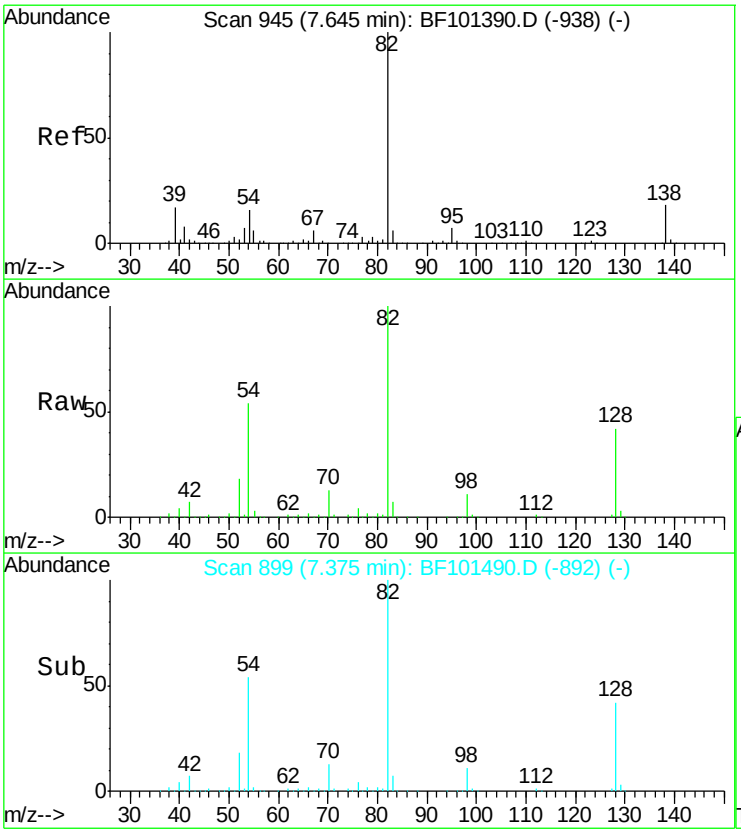

#23
Nitrobenzene-d5
Concen: 61.95 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 82 Resp: 628675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 36.1 | 54.1 |
| 54 | 54.2 | 41.4 | 62.2 |

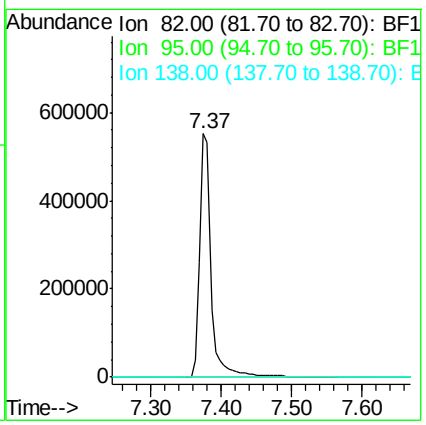


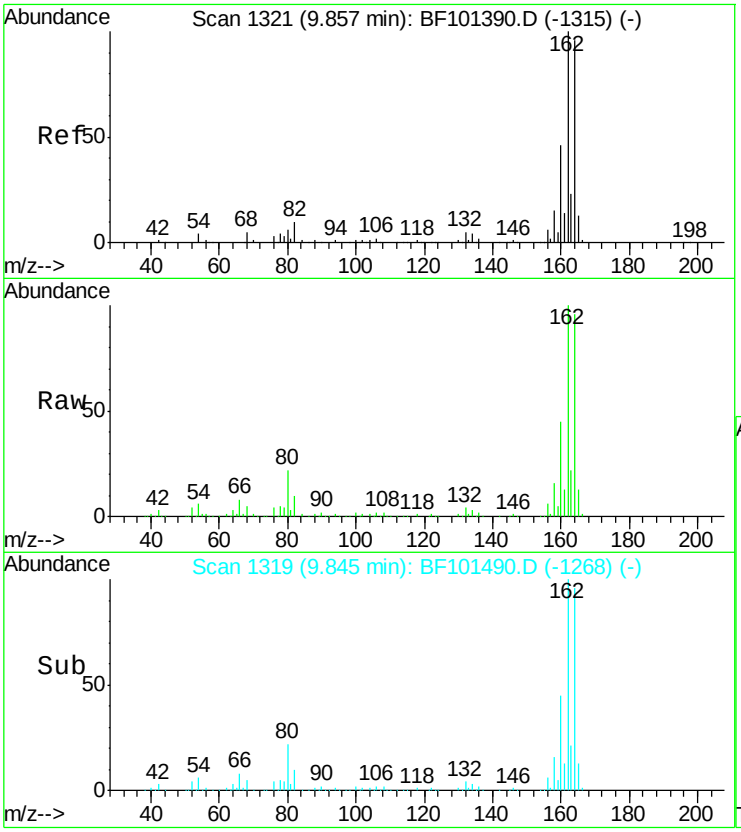




#25
Isophorone
Concen: 30.88 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion: 82 Resp: 628671

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



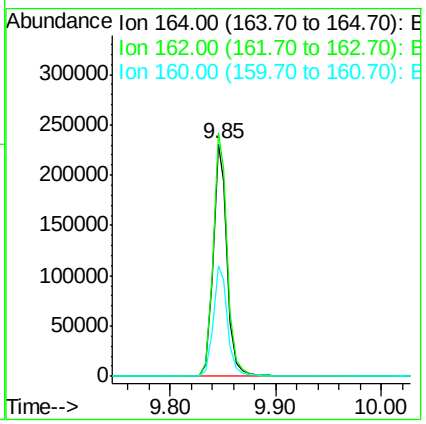


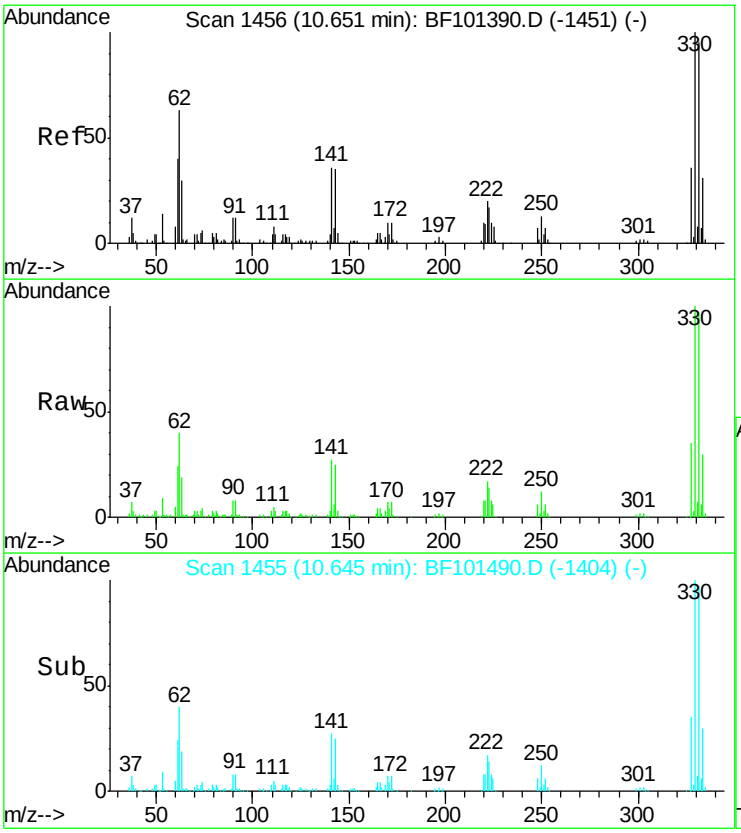

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:164 Resp: 218252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 86.1 | 129.1 |
| 160 | 47.3 | 38.3 | 57.5 |

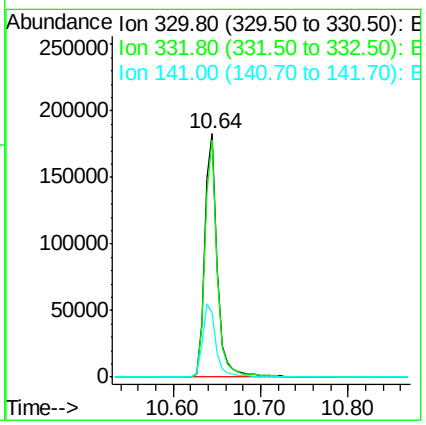


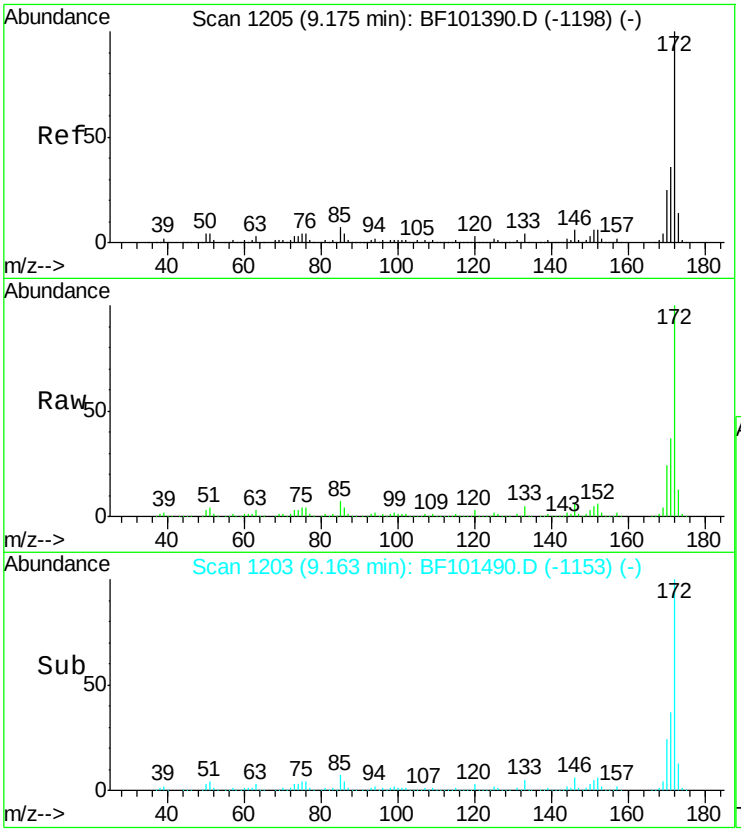




#41
2,4,6-Tribromophenol
Concen: 86.94 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:330 Resp: 182832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 77.0 | 115.6 |
| 141 | 32.2 | 29.9 | 44.9 |



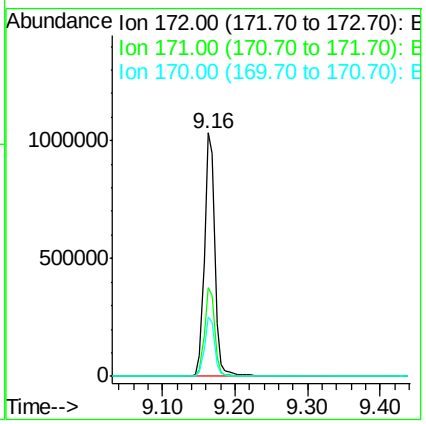


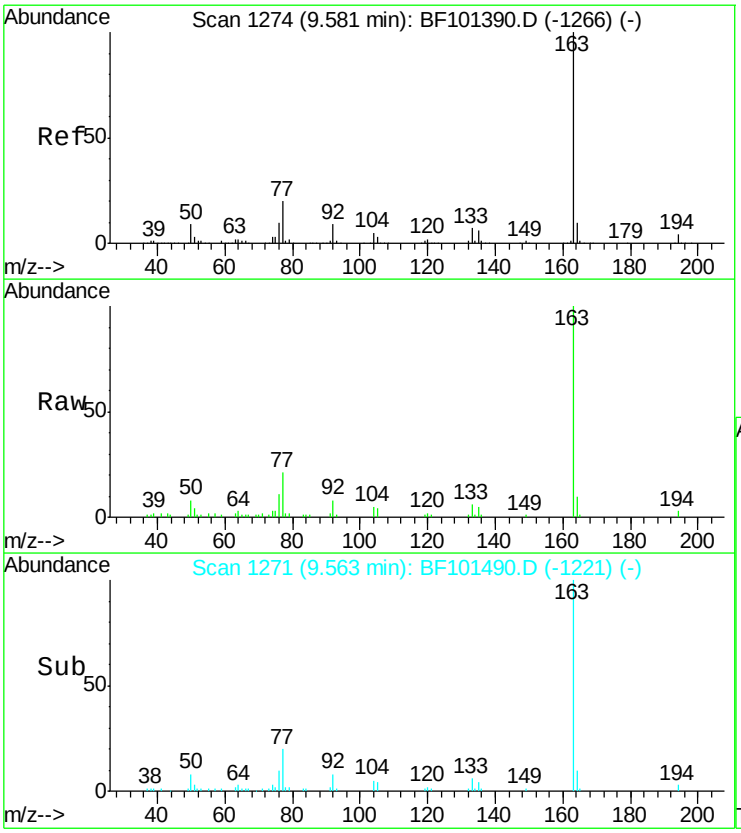

#44
2-Fluorobiphenyl
Concen: 73.85 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:172 Resp: 1039029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 24.3 | 19.6 | 29.4 |

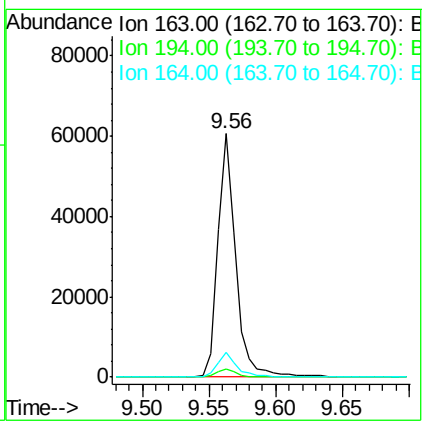


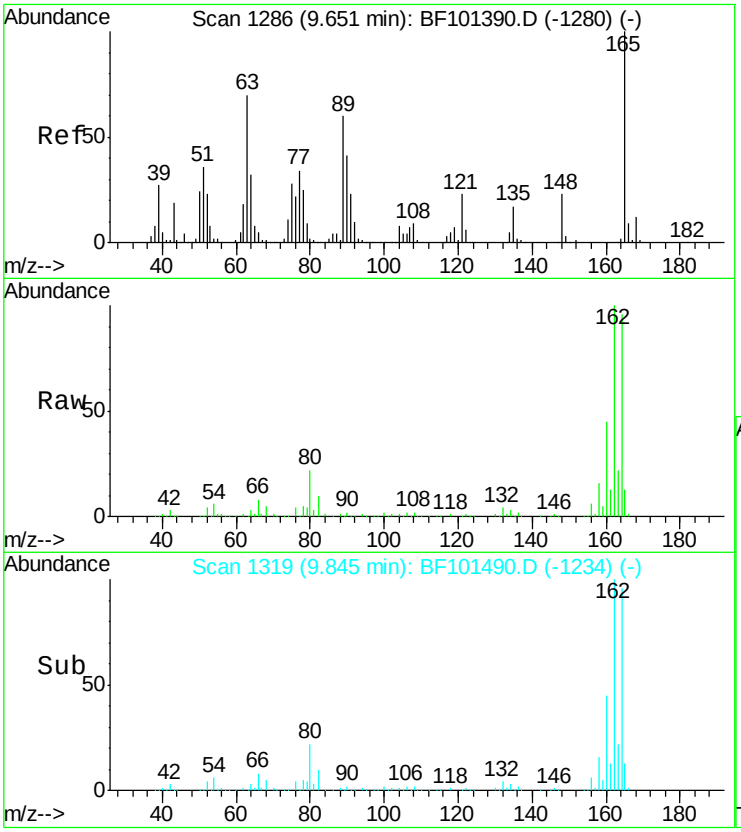




#49
Dimethylphthalate
Concen: 3.28 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:163 Resp: 57662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.7 | 4.1 |
| 164 | 10.0 | 8.2 | 12.2 |



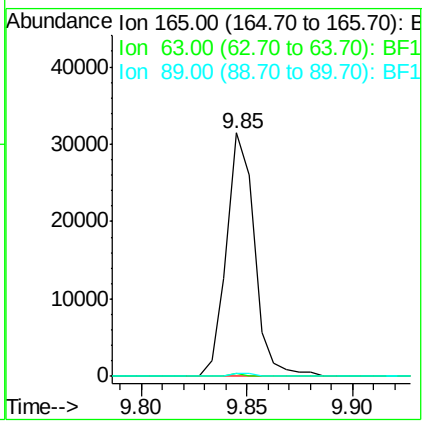


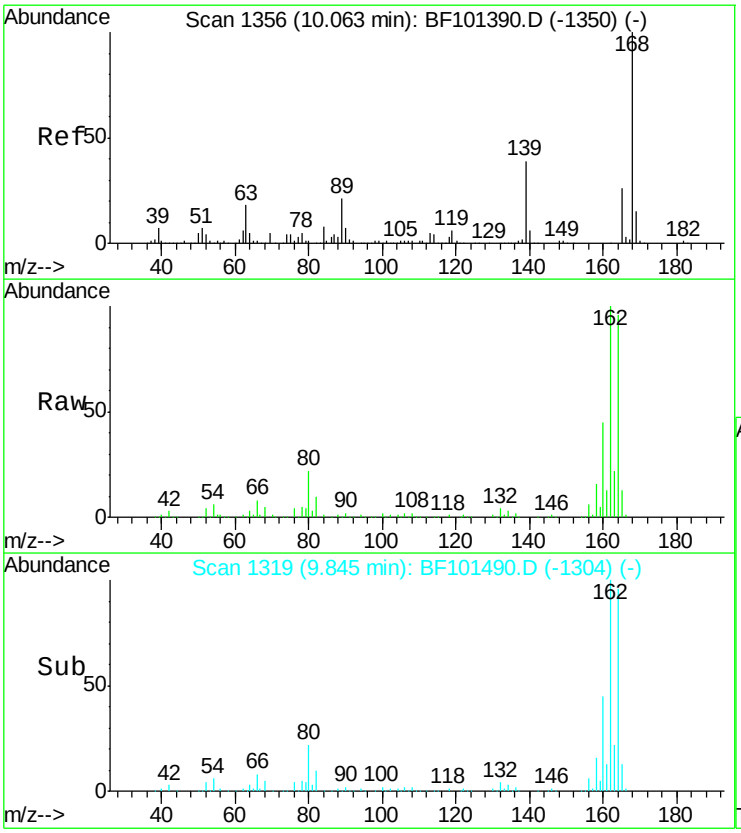

#50
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:165 Resp: 28844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 44.7 | 67.1# |
| 89 | 1.0 | 44.0 | 66.0# |

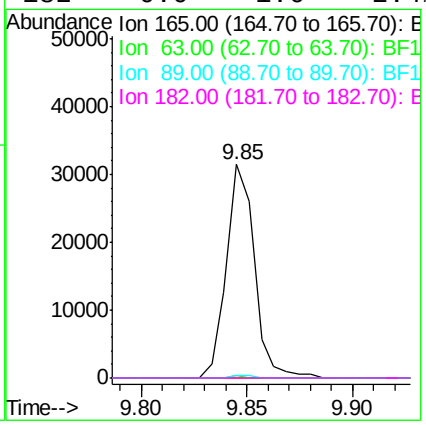


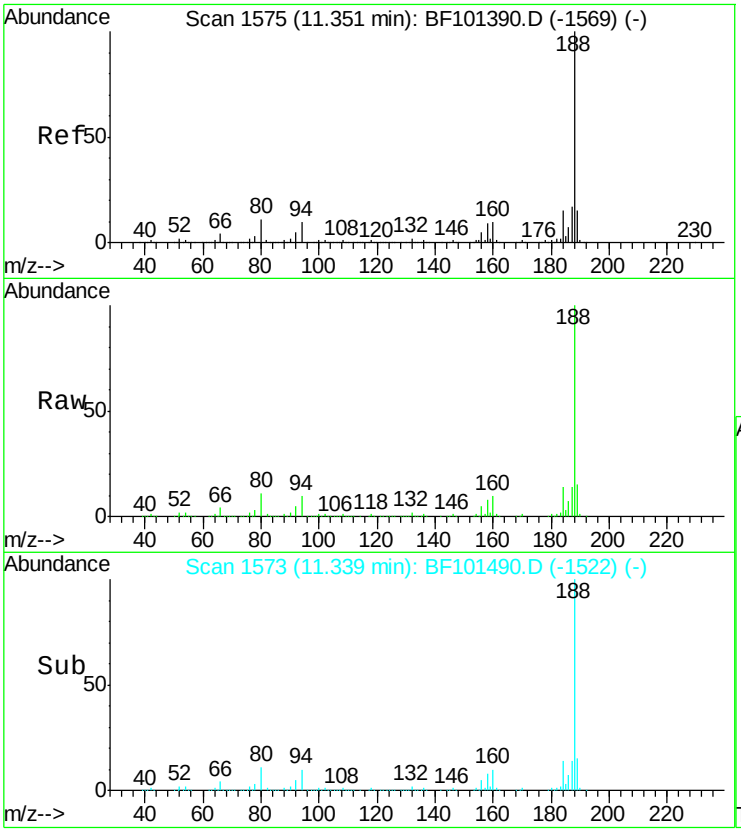




#56
2,4-Dinitrotoluene
Concen: 7.18 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:165 Resp: 28844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 36.4 | 54.6# |
| 89 | 1.0 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



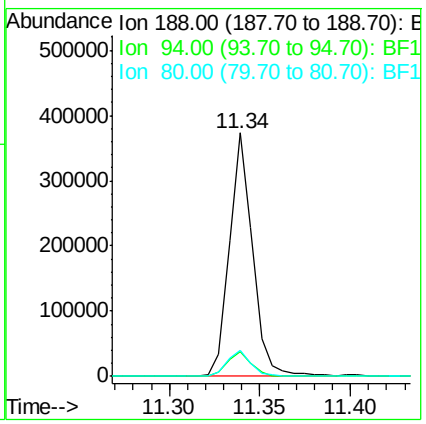


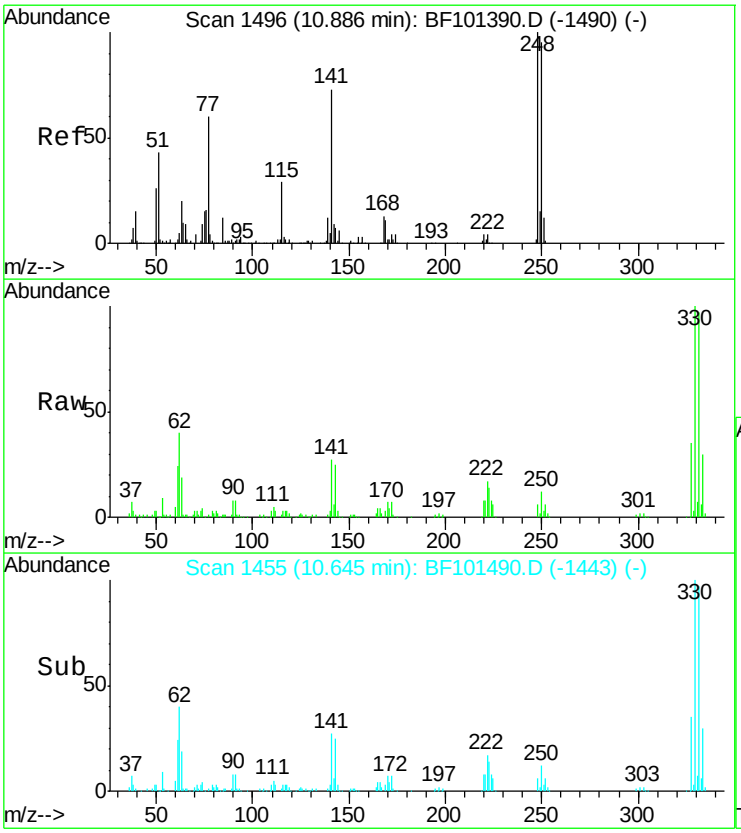

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:188 Resp: 333383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 8.5 | 12.7 |
| 80 | 10.7 | 9.2 | 13.8 |

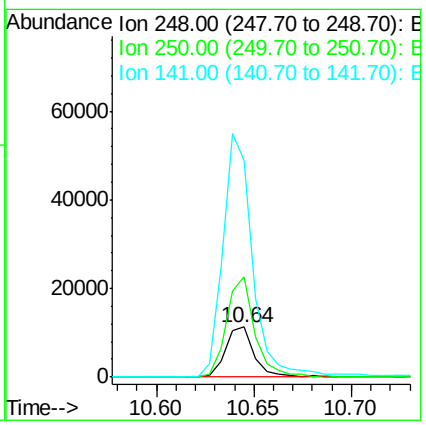


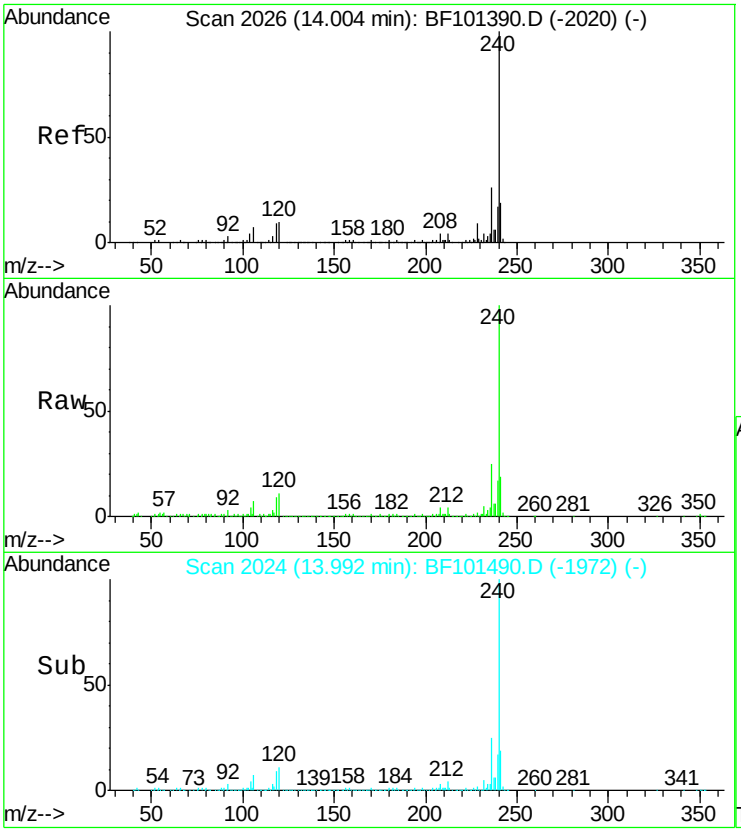




#66
4-Bromophenyl-phenylether
Concen: 3.05 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:248 Resp: 11421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.4 | 76.9 | 115.3# |
| 141 | 434.5 | 74.4 | 111.6# |



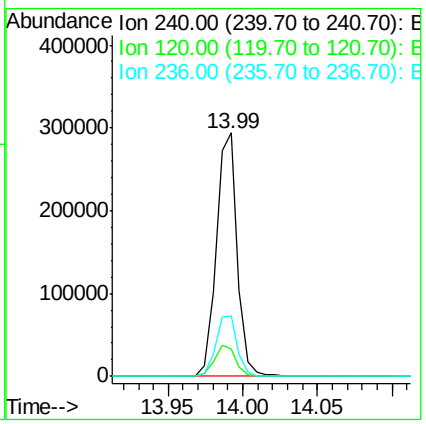


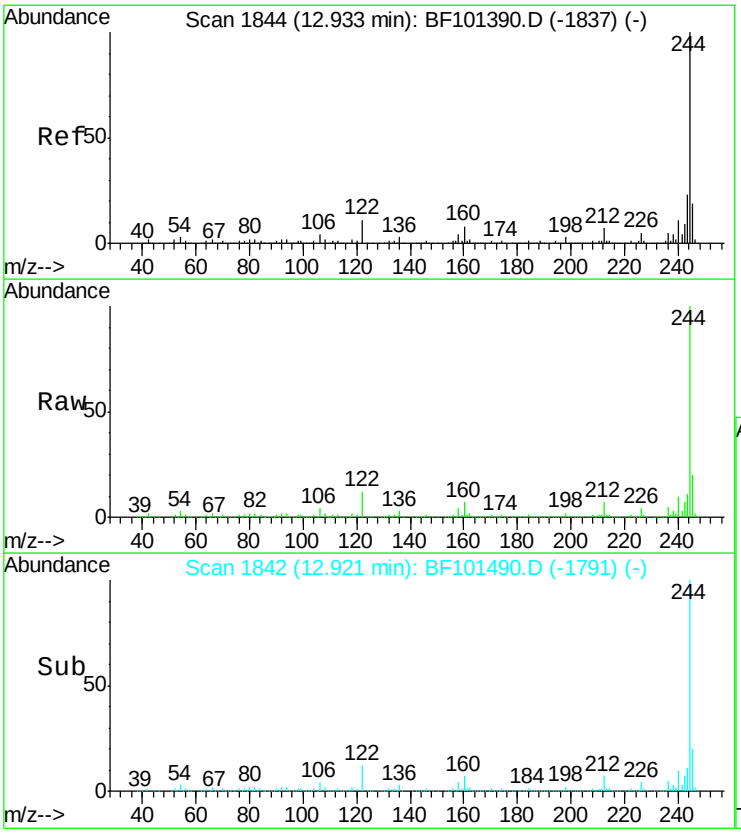

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:240 Resp: 287805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 9.5 | 14.3 |
| 236 | 25.0 | 20.7 | 31.1 |

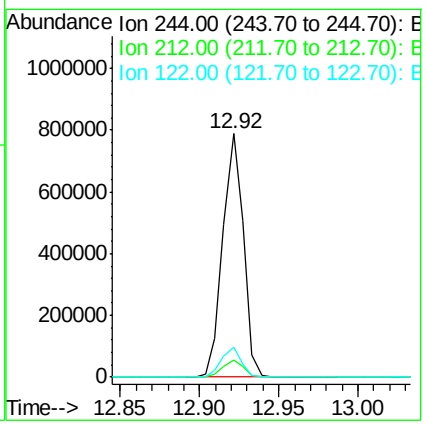


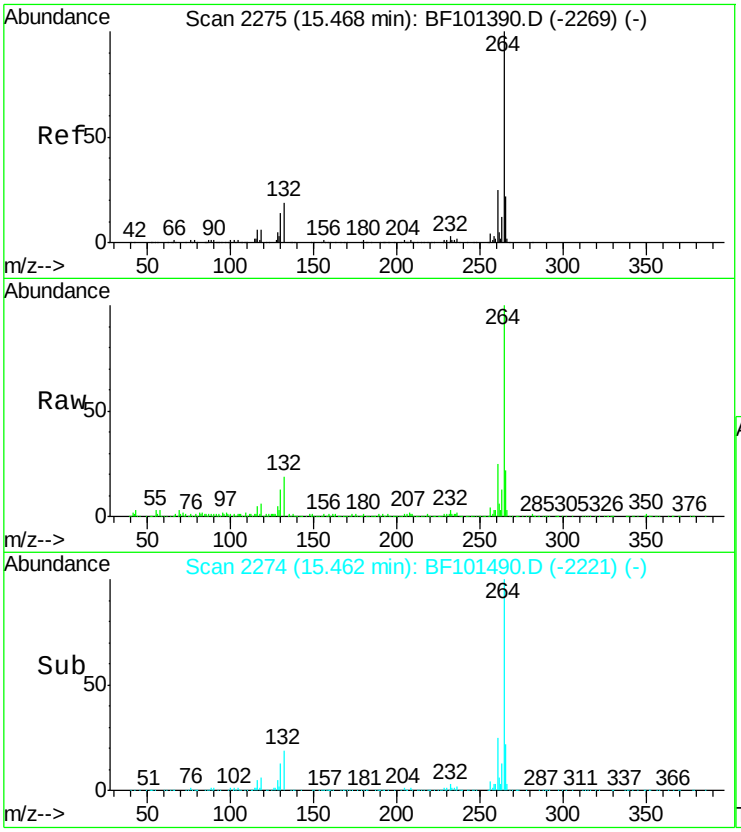




#78
Terphenyl-d14
Concen: 59.56 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:244 Resp: 711032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 12.4 | 11.0 | 16.4 |



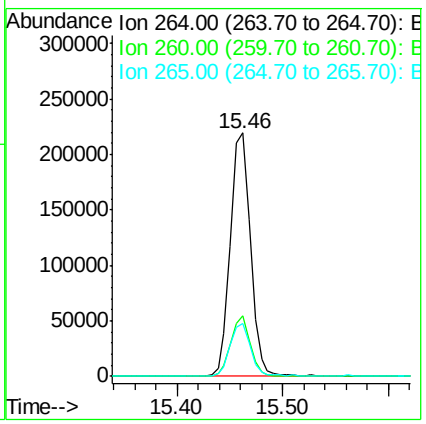


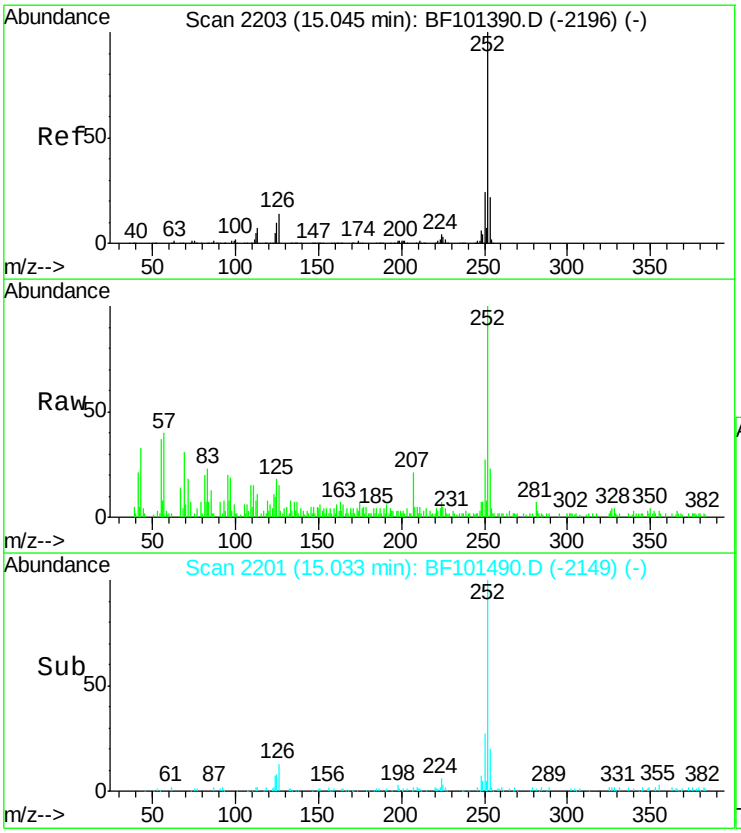

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:264 Resp: 289105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.2 | 28.8 |
| 265 | 21.9 | 17.5 | 26.3 |

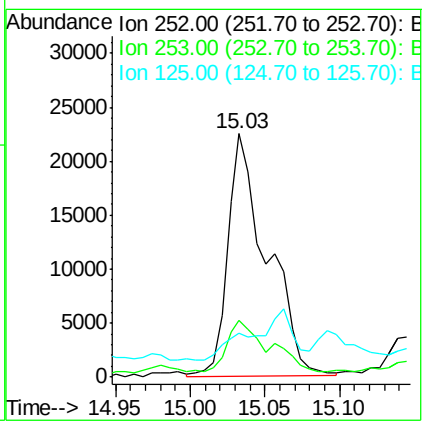


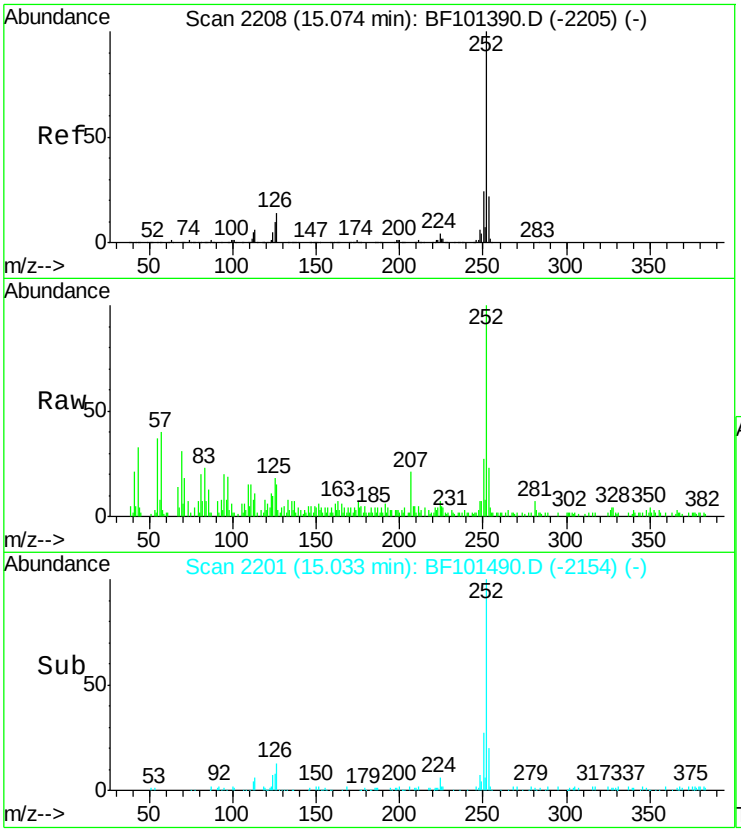




#87
Benzo(b)fluoranthene
Concen: 2.33 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

Tgt Ion:252 Resp: 40990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.0 | 25.6 |
| 125 | 17.9 | 9.0 | 13.6# |






#88
Benzo(k)fluoranthene
Concen: 2.39 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101490.D
Acq: 18 Dec 2017 19:36

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:252 Resp: 40990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.9 | 26.9 |
| 125 | 17.9 | 10.2 | 15.2# |