Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121317\
Data File : BF101381.D
Acq On : 13 Dec 2017 23:22
Operator : SJ/JU
Sample : I6816-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 14 01:09:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 166541 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 679939 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 305714 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 570104 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.00 | 240 | 382230 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.47 | 264 | 307868 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 442576 | 43.91 | ng | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 348381 | 28.47 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 941941 | 82.64 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 196635 | 53.54 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1551605 | 69.44 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.93 | 244 | 1377029 | 78.80 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.59 | 77 | 16317 | 2.179 | ng | # 75 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 127410 | 15.461 | ng | # 83 |
| 25) Isophorone | 7.39 | 82 | 941998 | 48.383 | ng | # 64 |
| 50) 2,6-Dinitrotoluene | 9.86 | 165 | 39303 | 7.569 | ng | # 26 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 39303 | 5.647 | ng | # 23 |
| 62) Azobenzene | 10.57 | 77 | 63691 | 3.086 | ng | # 1 |

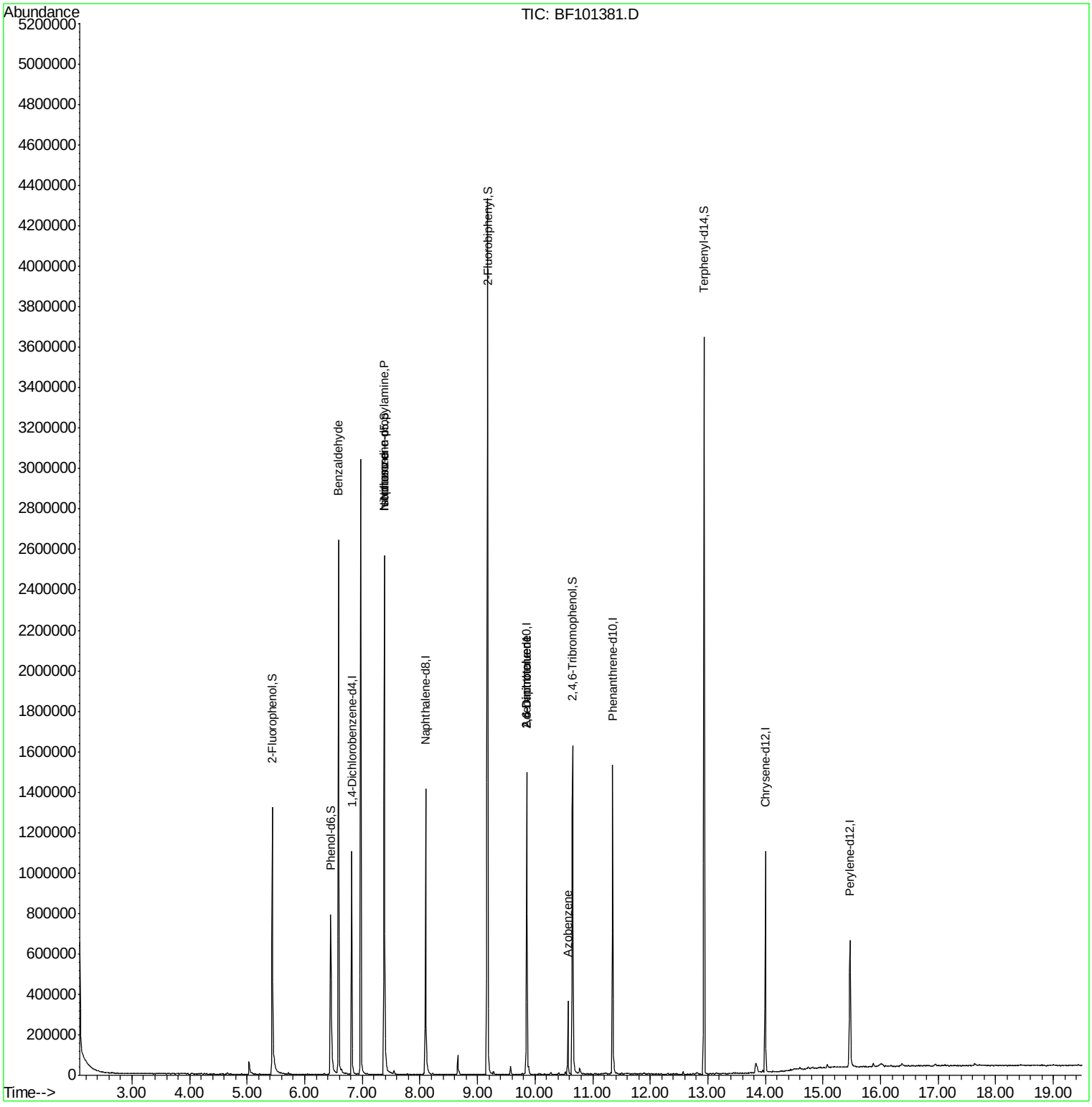
(#) = qualifier out of range (m) = manual integration (+) = signals summed

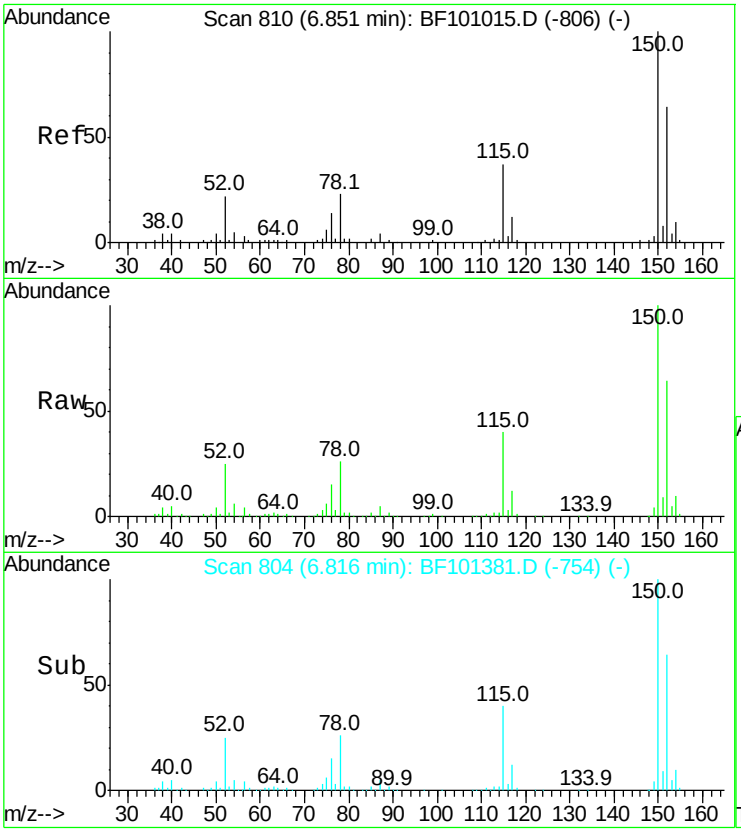
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121317\
Data File : BF101381.D
Acq On : 13 Dec 2017 23:22
Operator : SJ/JU
Sample : I6816-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 14 01:09:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration



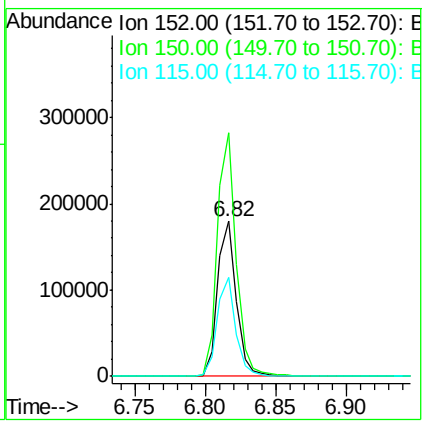


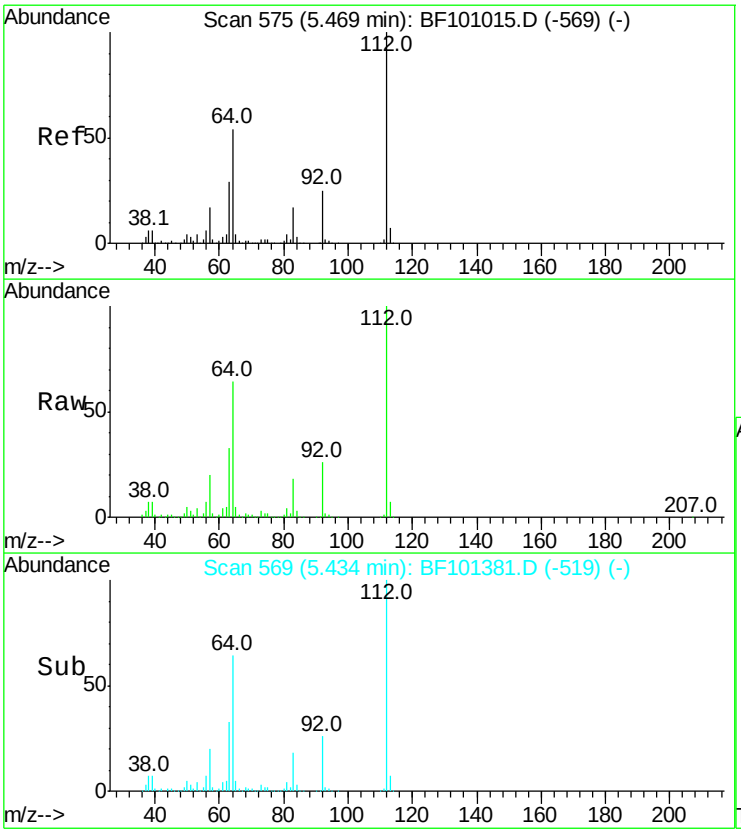

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:152 Resp: 166541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 124.6 | 186.8 |
| 115 | 63.4 | 50.1 | 75.1 |

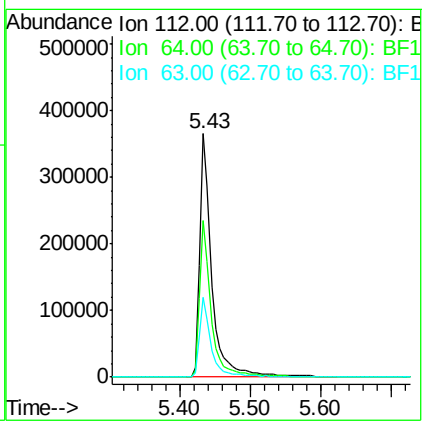


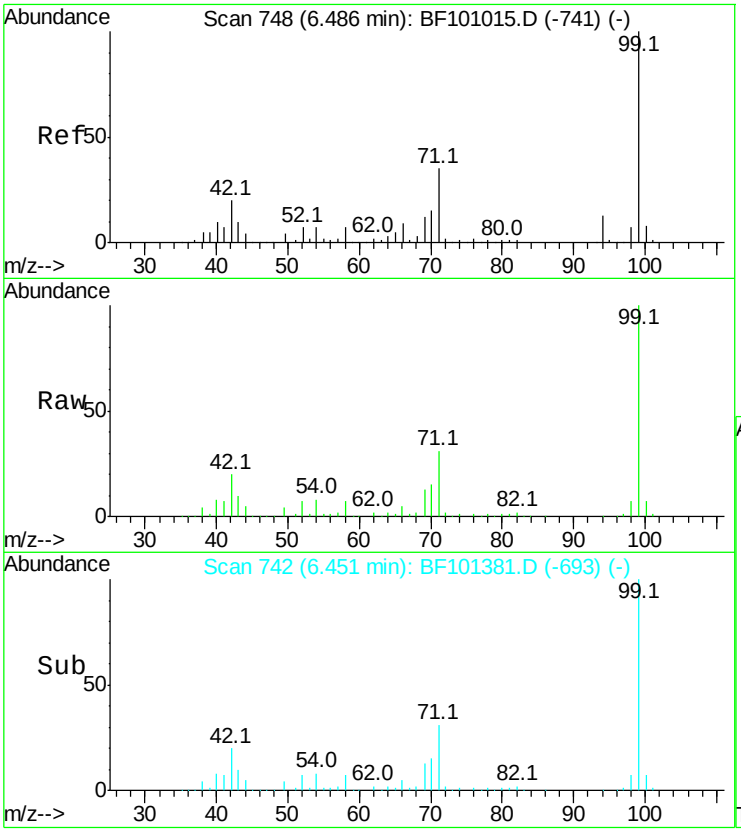




#5
2-Fluorophenol
Concen: 43.913 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:112 Resp: 442576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.5 | 47.9 | 71.9 |
| 63 | 32.6 | 23.7 | 35.5 |



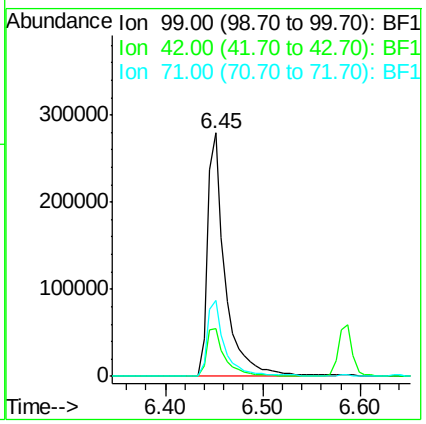


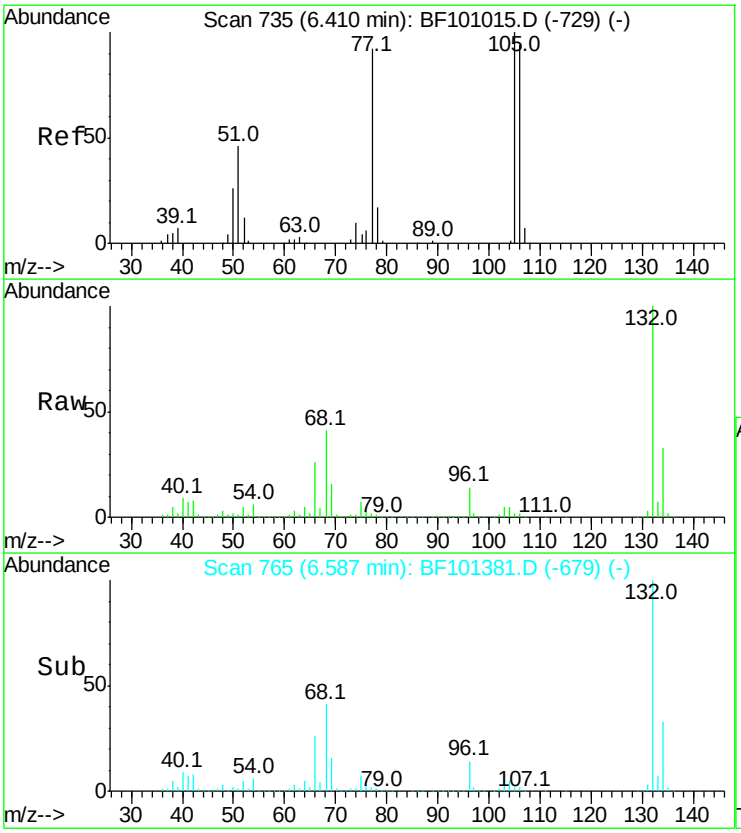

#7
Phenol-d6
Concen: 28.471 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion: 99 Resp: 348381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 14.5 | 21.7 |
| 71 | 31.4 | 25.4 | 38.0 |

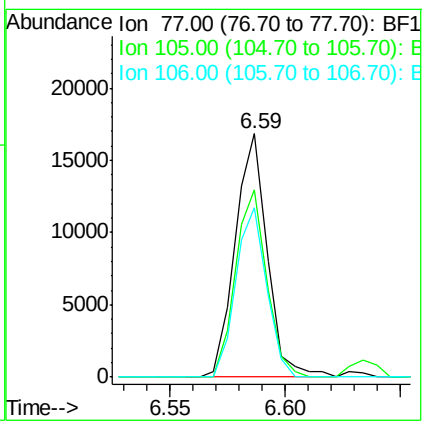


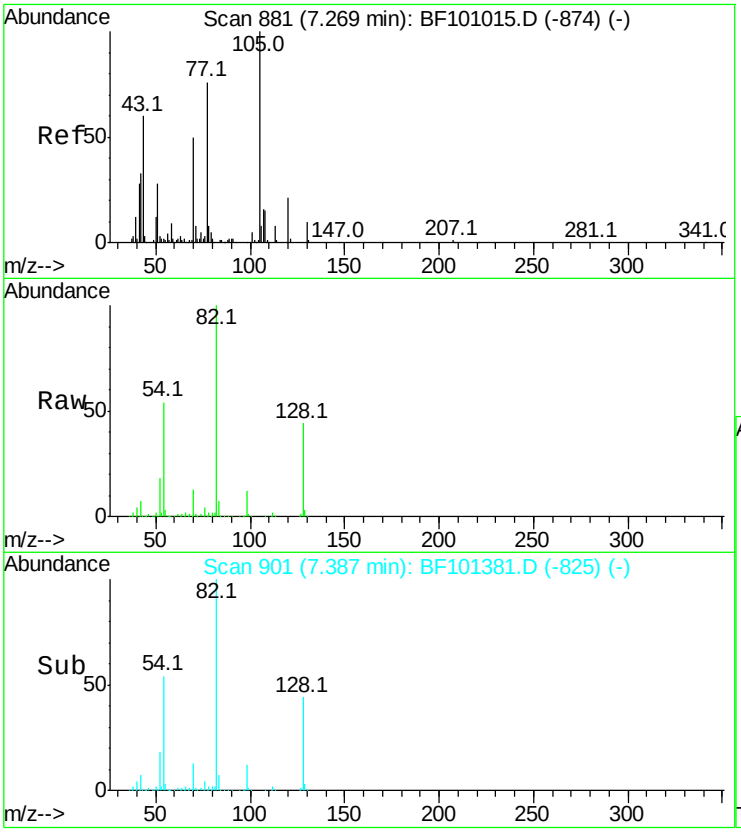




#9
Benzaldehyde
Concen: 2.179 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.21 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion: 77 Resp: 16317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 77.1 | 81.1 | 121.1# |
| 106 | 69.8 | 74.5 | 114.5# |



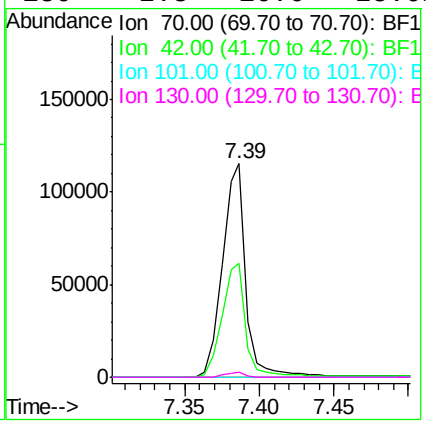


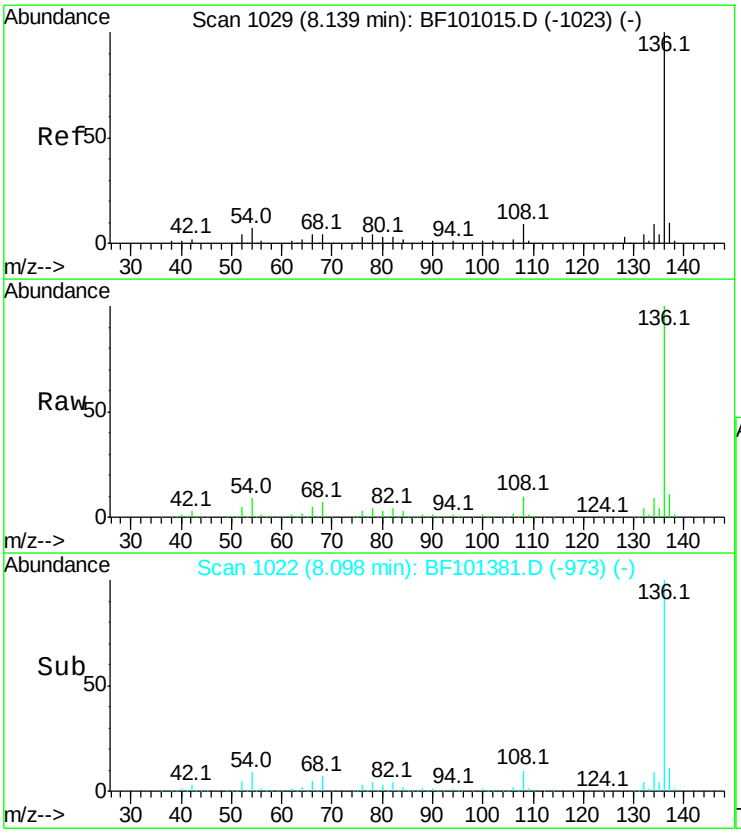

#19
n-Nitroso-di-n-propylamine
Concen: 15.461 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion: 70 Resp: 127410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.4 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |

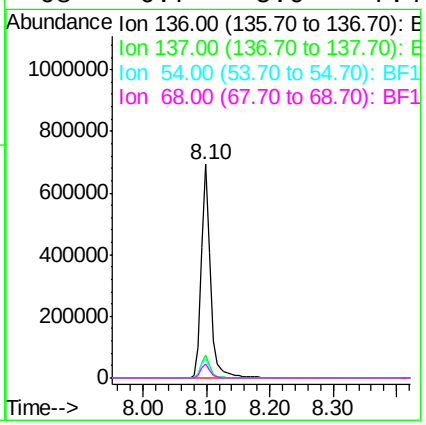


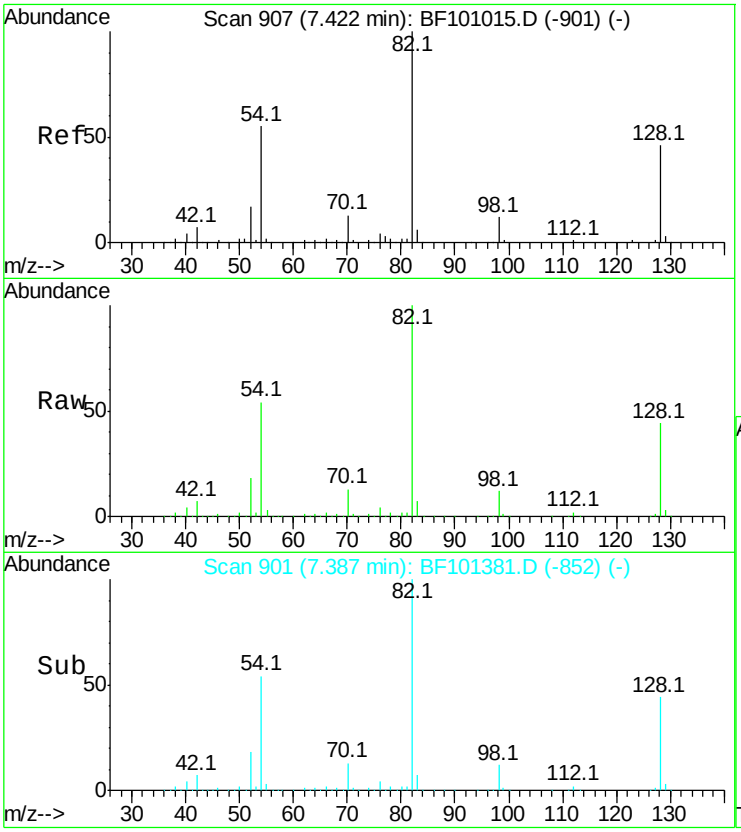




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:136 Resp: 679939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 9.2 | 6.6 | 9.8 |
| 68 | 6.7 | 5.0 | 7.4 |



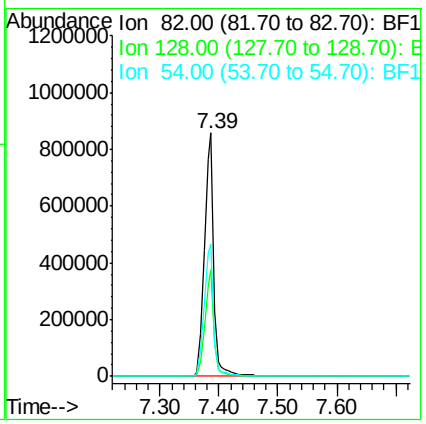


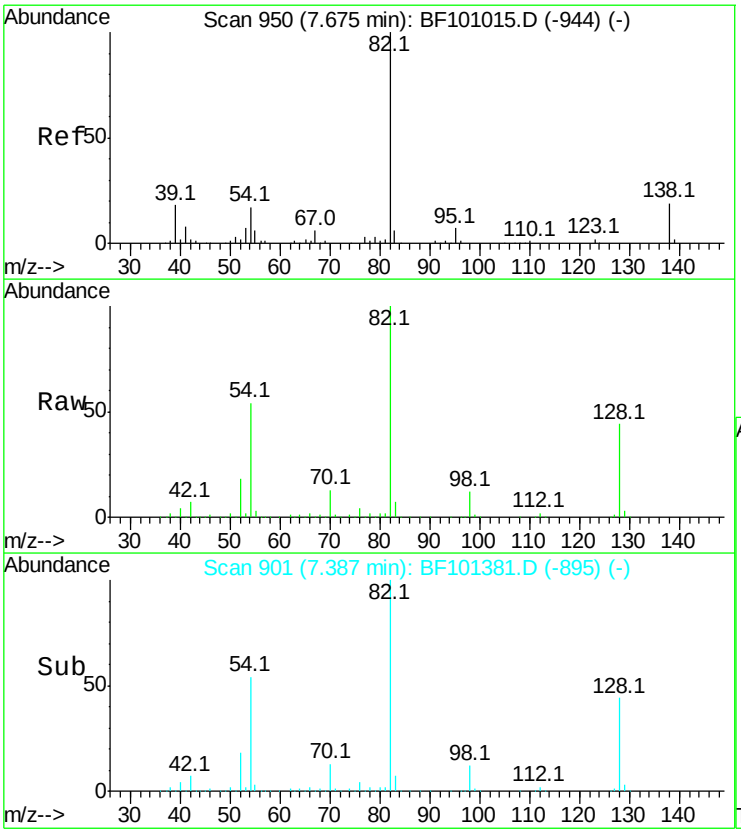

#23
Nitrobenzene-d5
Concen: 82.639 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion: 82 Resp: 941941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.1 | 54.1 |
| 54 | 54.3 | 41.4 | 62.2 |

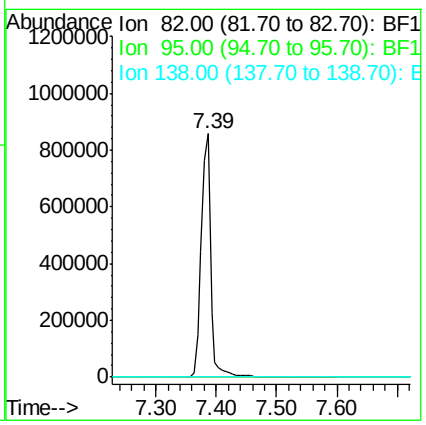


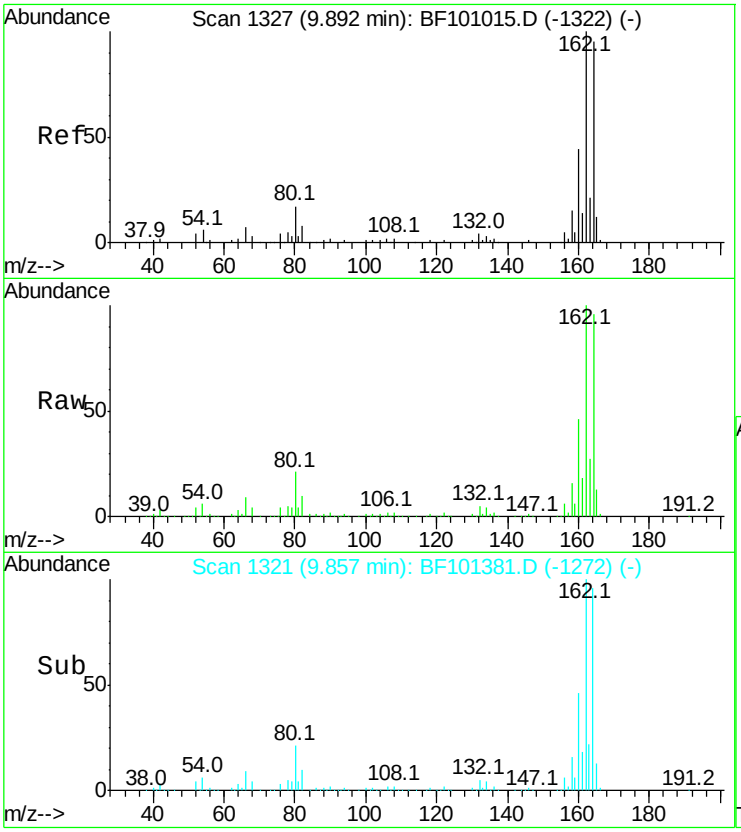




#25
Isophorone
Concen: 48.383 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion: 82 Resp: 941998

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



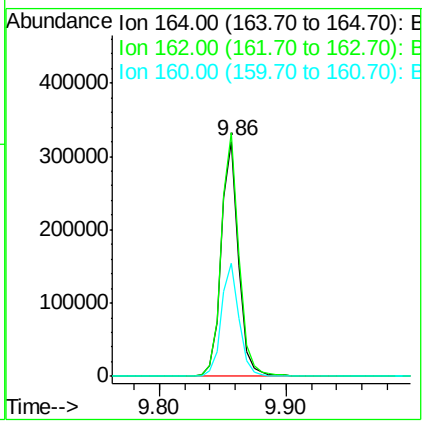


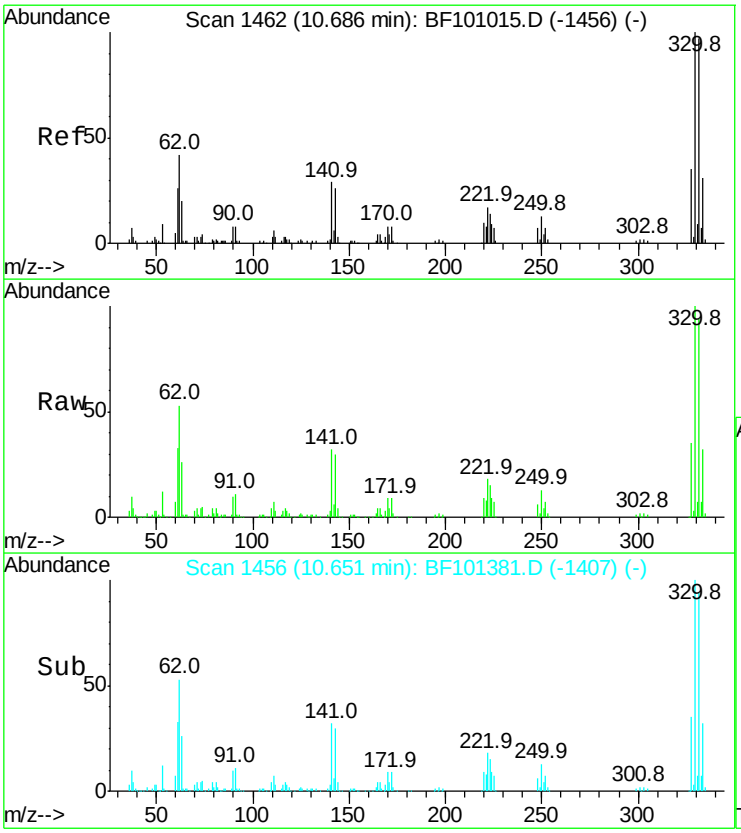

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:164 Resp: 305714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.7 | 86.1 | 129.1 |
| 160 | 48.2 | 38.3 | 57.5 |

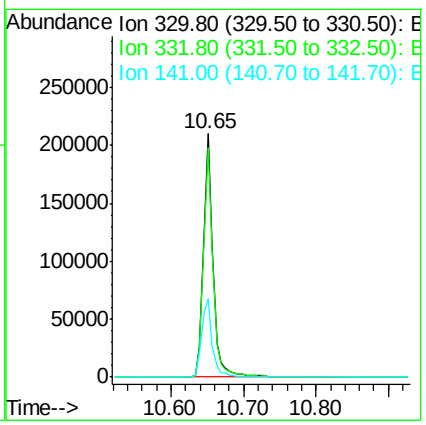


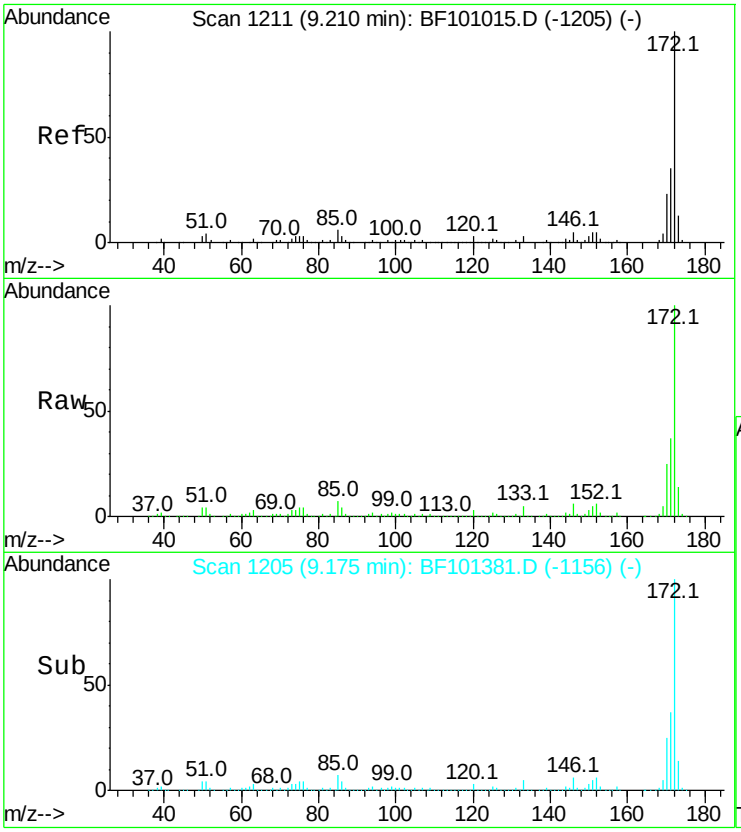




#41
2,4,6-Tribromophenol
Concen: 53.543 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:330 Resp: 196635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 77.0 | 115.6 |
| 141 | 35.8 | 29.9 | 44.9 |



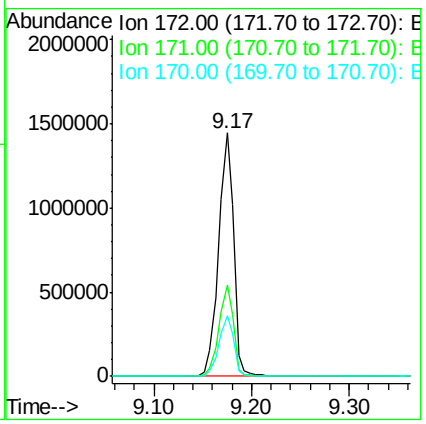


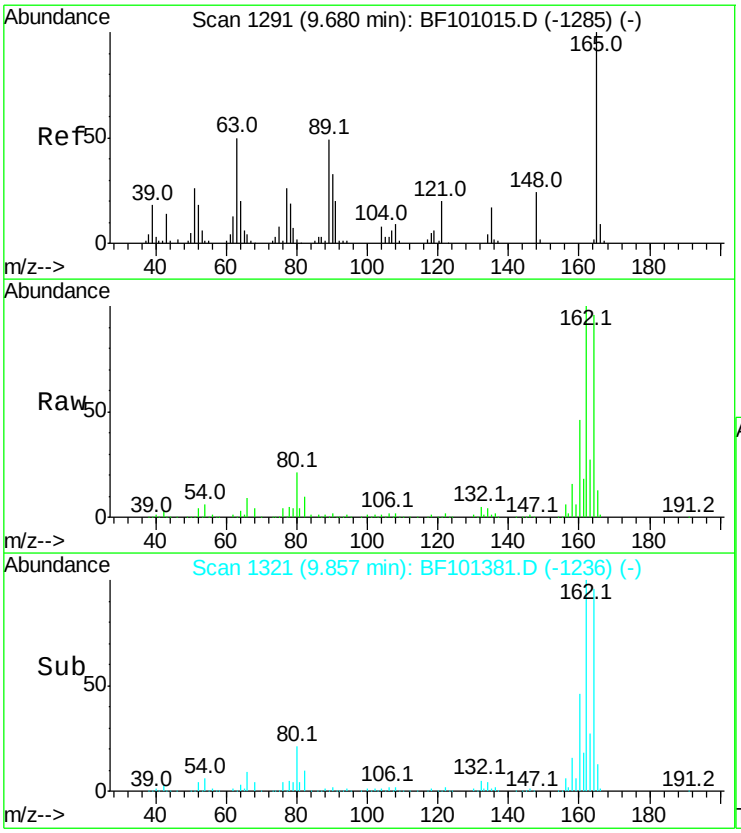

#44
2-Fluorobiphenyl
Concen: 69.441 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:172 Resp: 1551605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.4 | 29.7 | 44.5 |
| 170 | 24.7 | 19.6 | 29.4 |

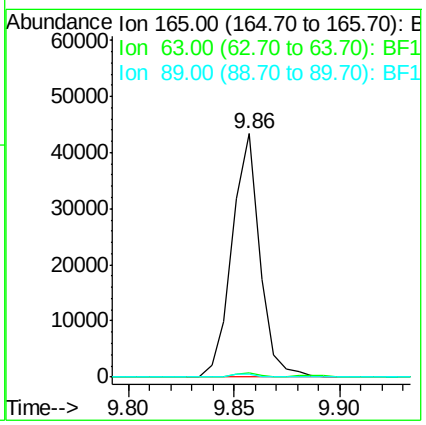


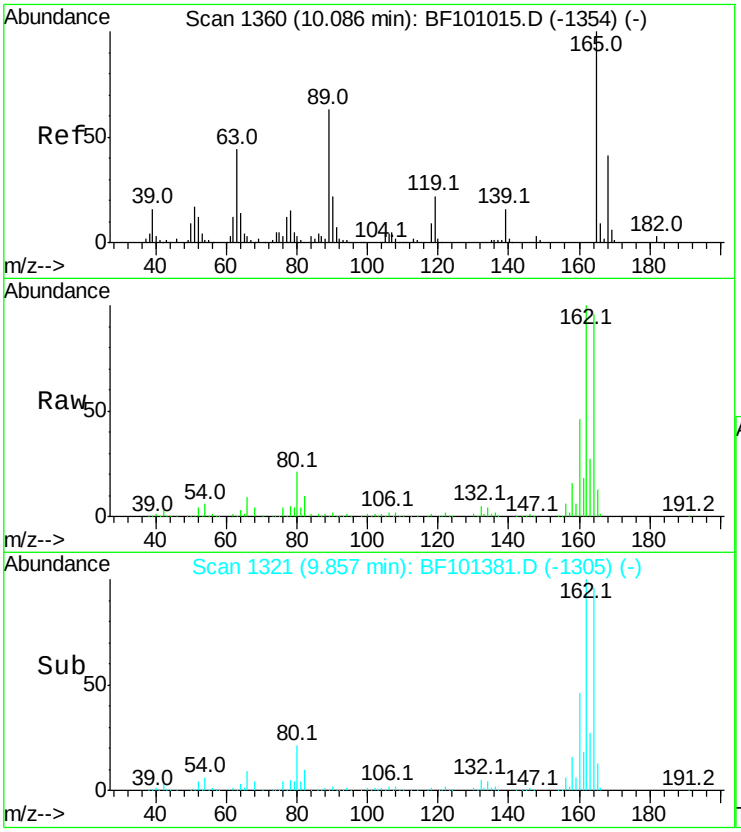




#50
2,6-Dinitrotoluene
Concen: 7.569 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.20 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:165 Resp: 39303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 44.7 | 67.1# |
| 89 | 1.2 | 44.0 | 66.0# |



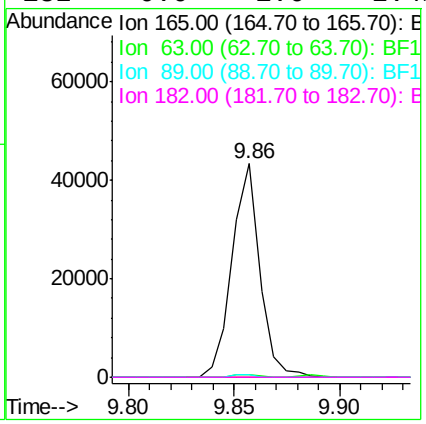


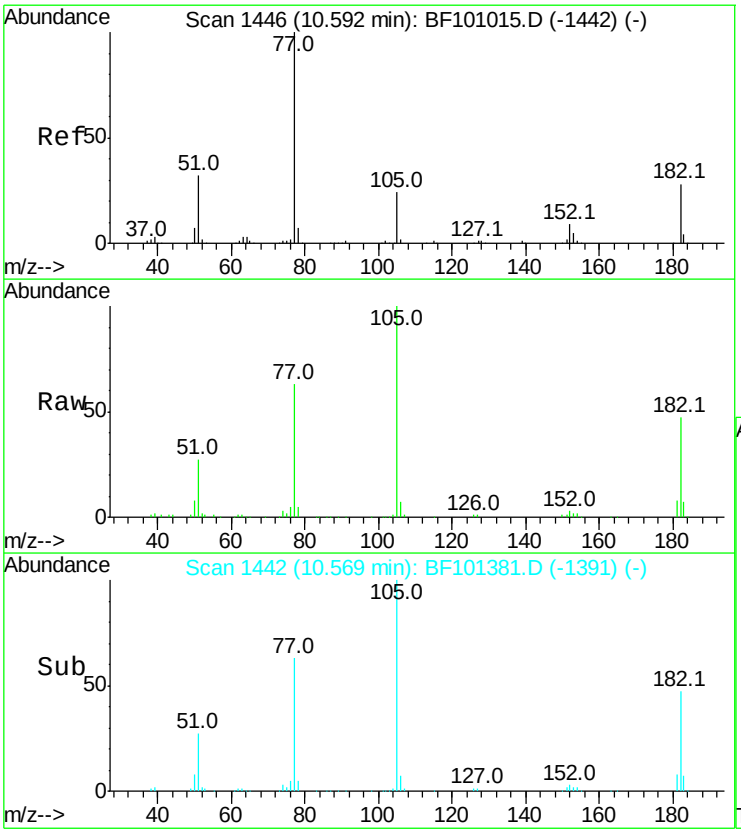

#56
2,4-Dinitrotoluene
Concen: 5.647 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.21 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:165 Resp: 39303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 36.4 | 54.6# |
| 89 | 1.2 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

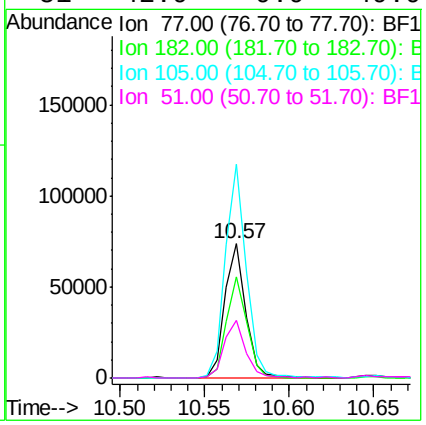


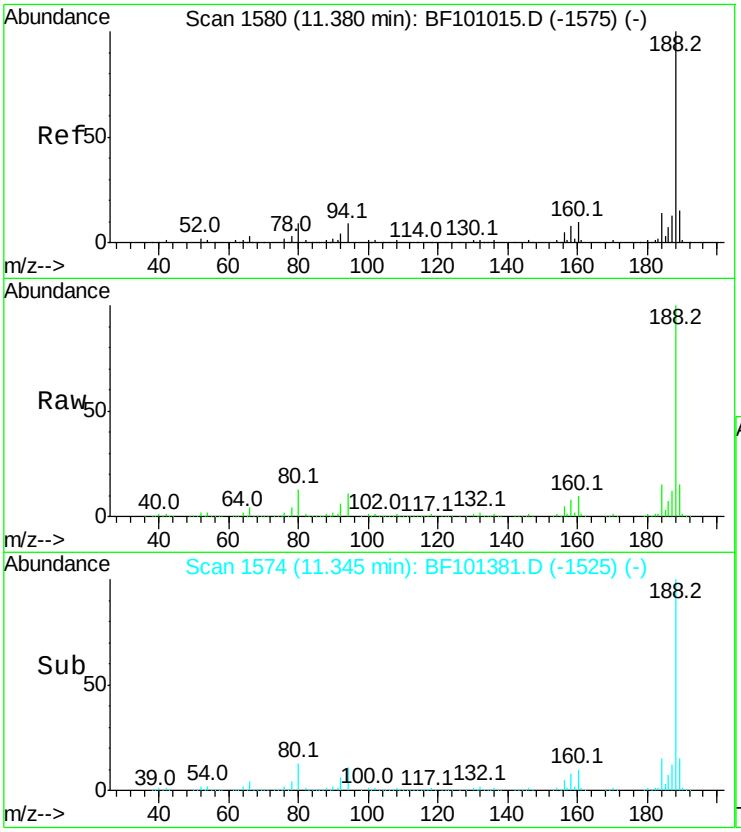




#62
Azobenzene
Concen: 3.086 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion: 77 Resp: 63691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 75.1 | 1.7 | 41.7# |
| 105 | 159.3 | 3.0 | 43.0# |
| 51 | 42.9 | 9.9 | 49.9 |



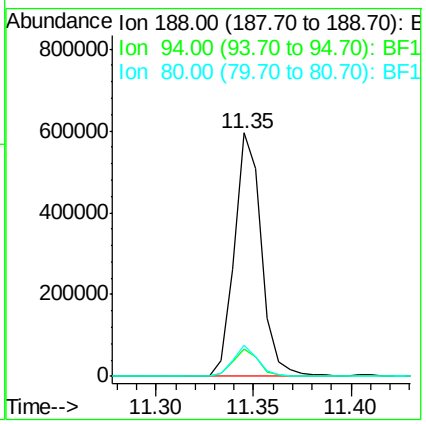


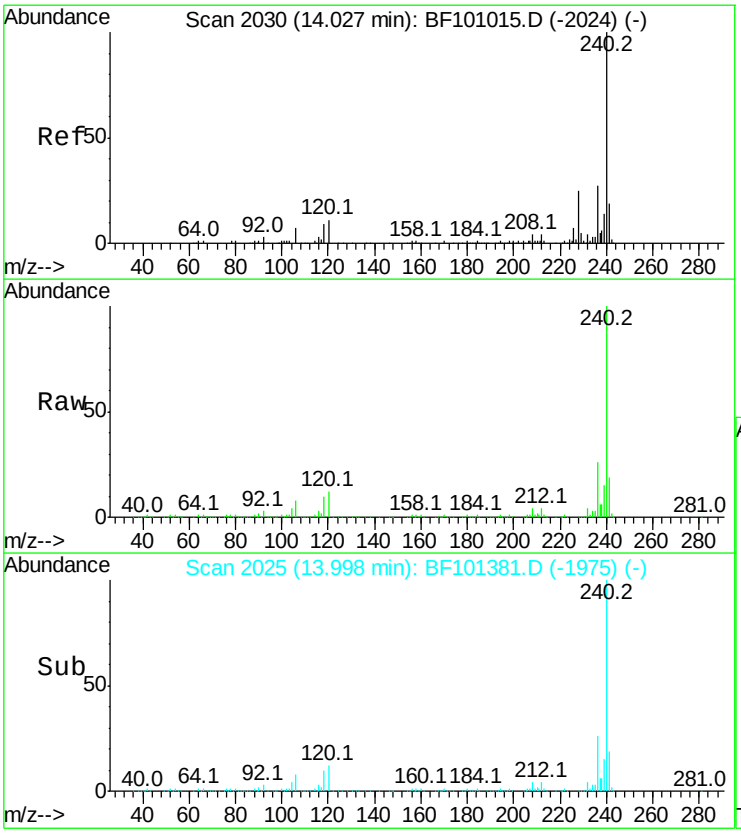

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:188 Resp: 570104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.2 | 8.5 | 12.7 |
| 80 | 12.6 | 9.2 | 13.8 |

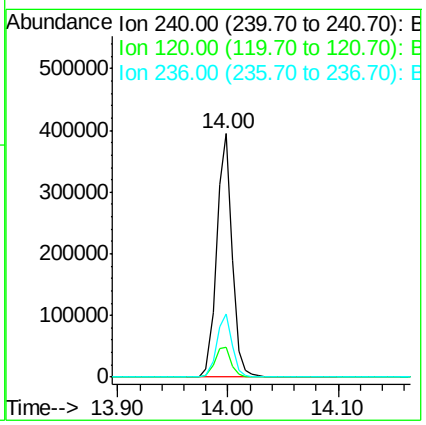


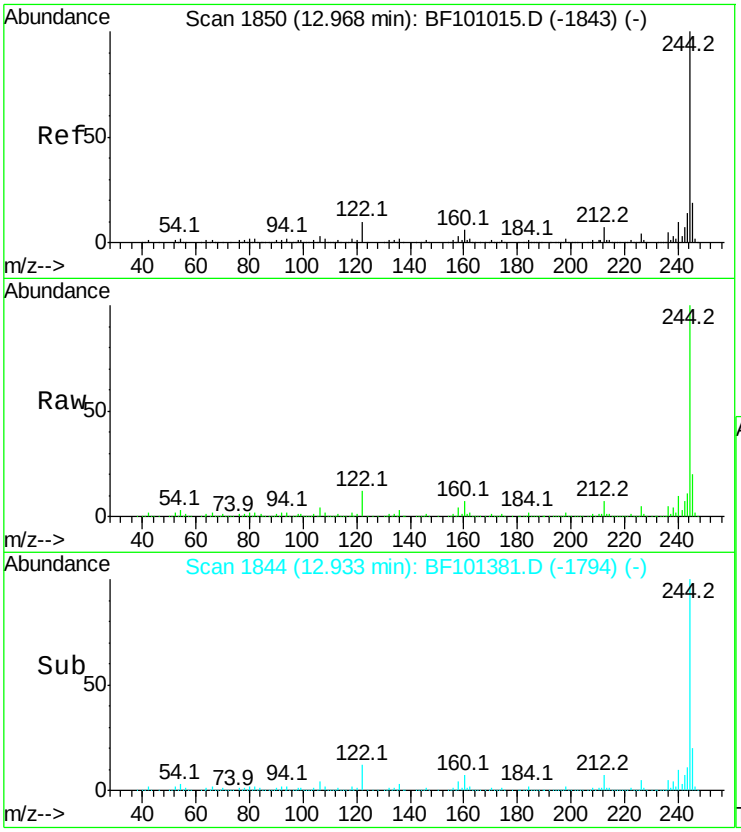




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:240 Resp: 382230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.1 | 9.5 | 14.3 |
| 236 | 26.2 | 20.7 | 31.1 |



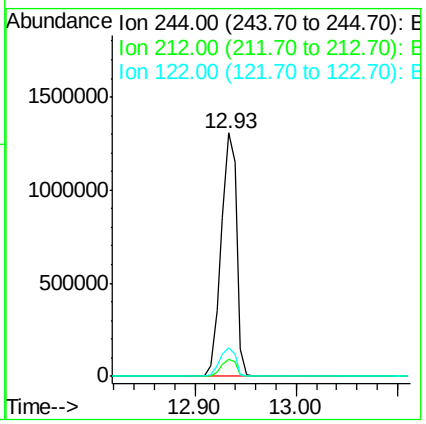


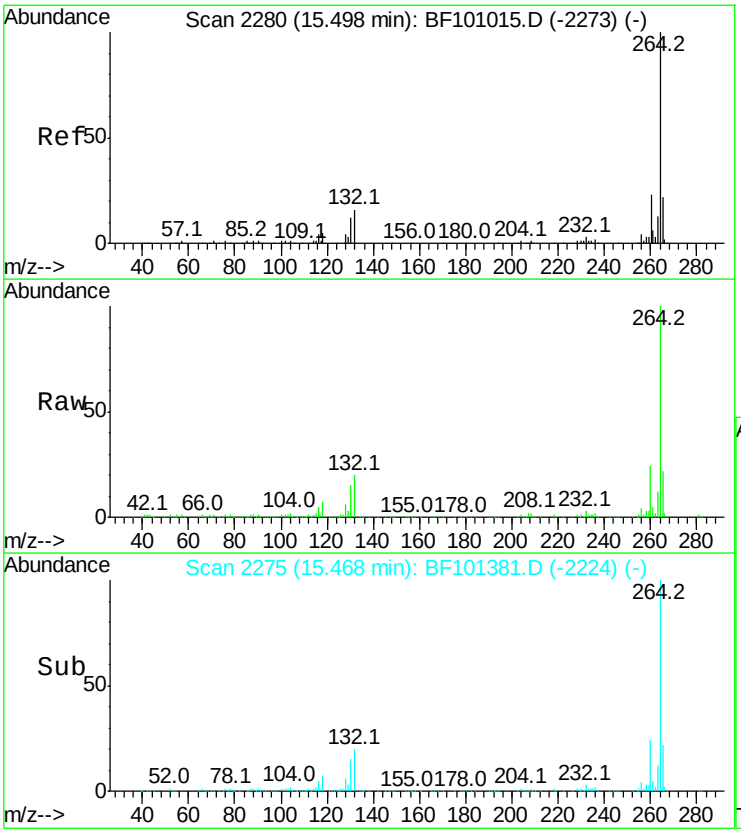

#78
Terphenyl-d14
Concen: 78.799 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

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

Tgt Ion:244 Resp: 1377029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 12.0 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:264 Resp: 307868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.9 | 17.5 | 26.3 |