Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117231.D
Acq On : 24 Sep 2019 22:20
Operator : JU
Sample : K4664-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 25 02:40:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 27649 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 107028 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 54085 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 79078 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 59648 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.43 | 264 | 56600 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 233230 | 131.70 | ng | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 297051 | 129.79 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 192396 | 94.45 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 62027 | 137.22 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 342432 | 99.00 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 303809 | 95.21 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.46 | 77 | 295 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 25308 | 18.159 | ng | # 82 |
| 25) Isophorone | 7.37 | 82 | 192395 | 53.345 | ng | # 66 |
| 31) Naphthalene | 8.12 | 128 | 13936 | 2.707 | ng | 95 |
| 50) Dimethylphthalate | 9.56 | 163 | 15903 | 4.153 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.85 | 165 | 6615 | 8.481 | ng | # 24 |
| 57) 2,4-Dinitrotoluene | 9.85 | 165 | 6615 | 6.534 | ng | # 18 |
| 67) 4-Bromophenyl-phenylether | 10.64 | 248 | 4119 | 5.100 | ng | # 1 |
| 77) Benzidine | 12.92 | 184 | 4661 | 2.426 | ng | # 95 |

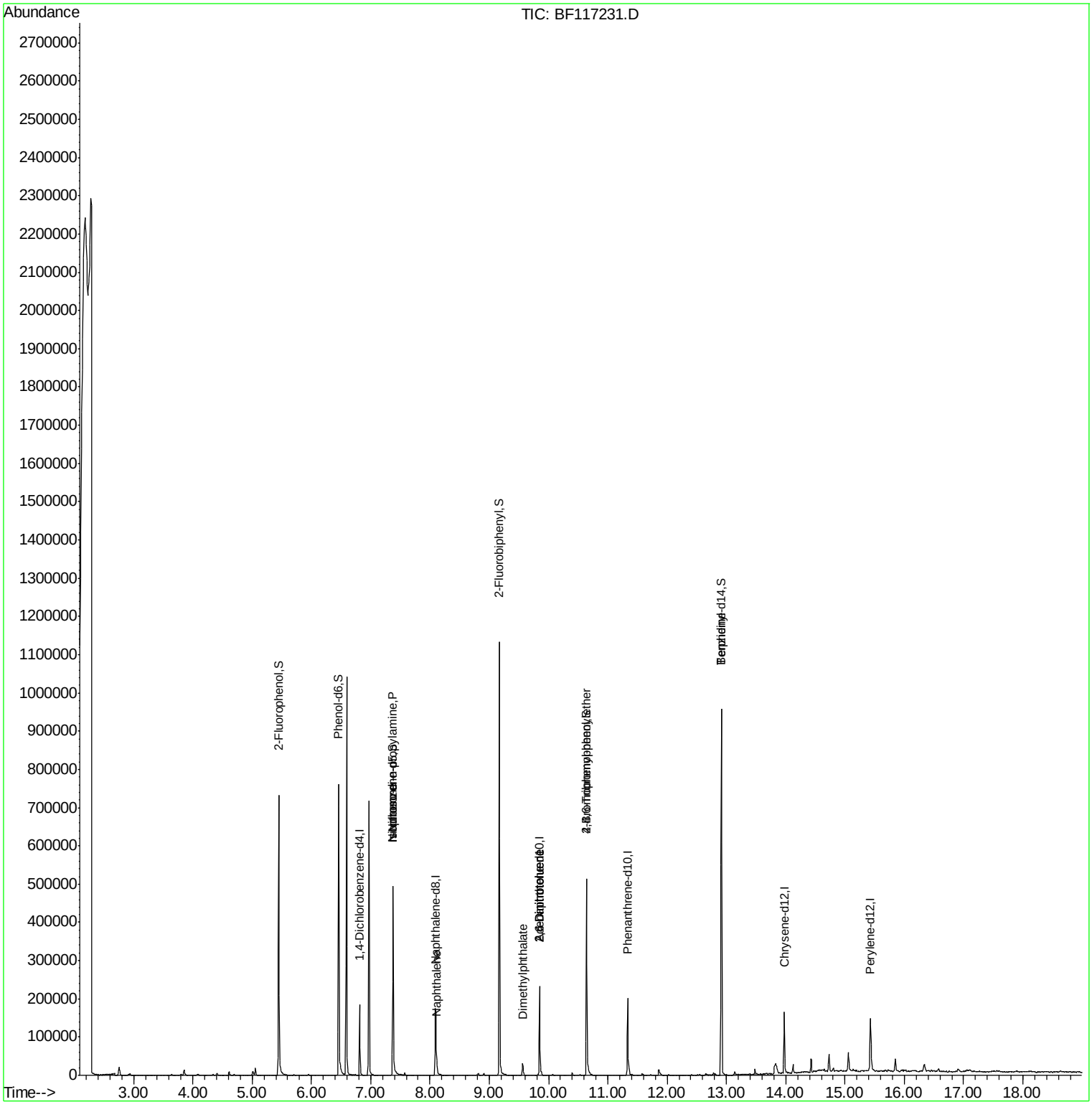
(#) = qualifier out of range (m) = manual integration (+) = signals summed

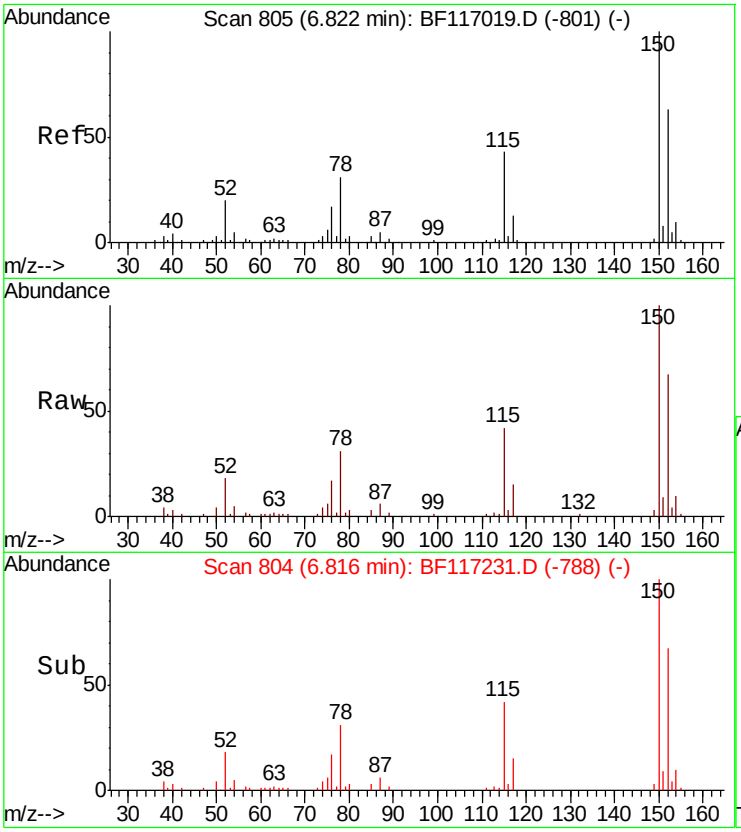
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117231.D
Acq On : 24 Sep 2019 22:20
Operator : JU
Sample : K4664-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 25 02:40:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration



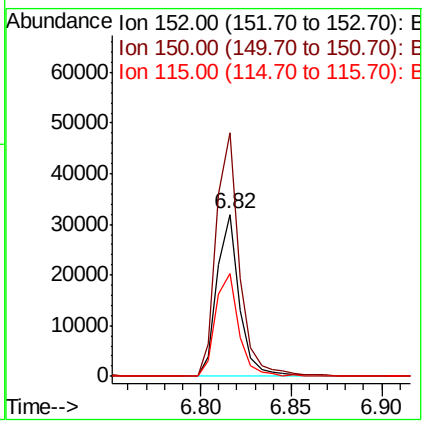


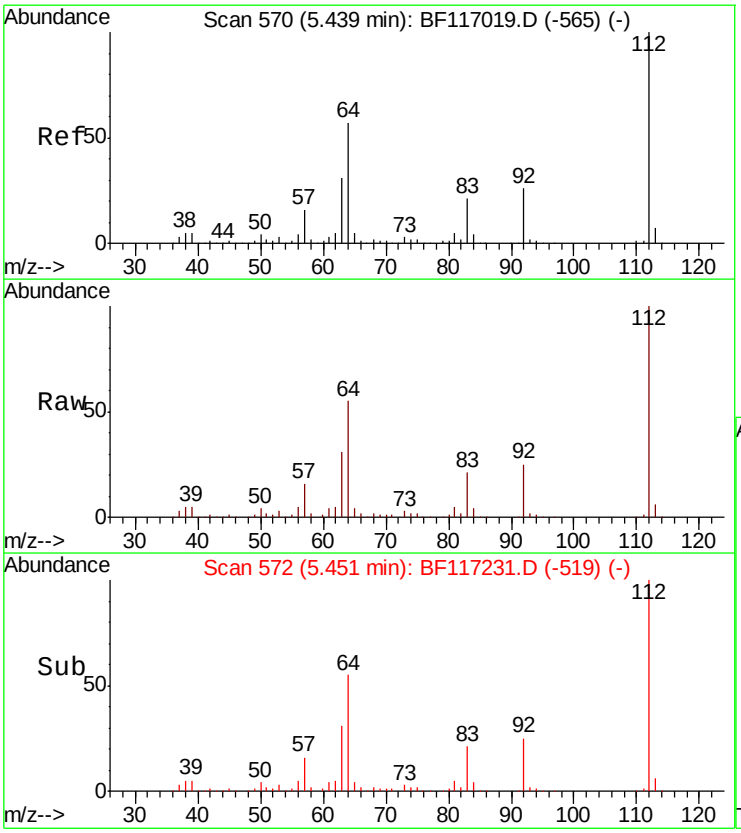

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:152 Resp: 27649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.1 | 127.5 | 191.3 |
| 115 | 63.4 | 55.0 | 82.4 |

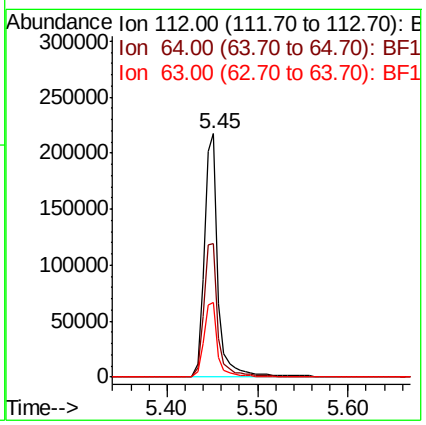


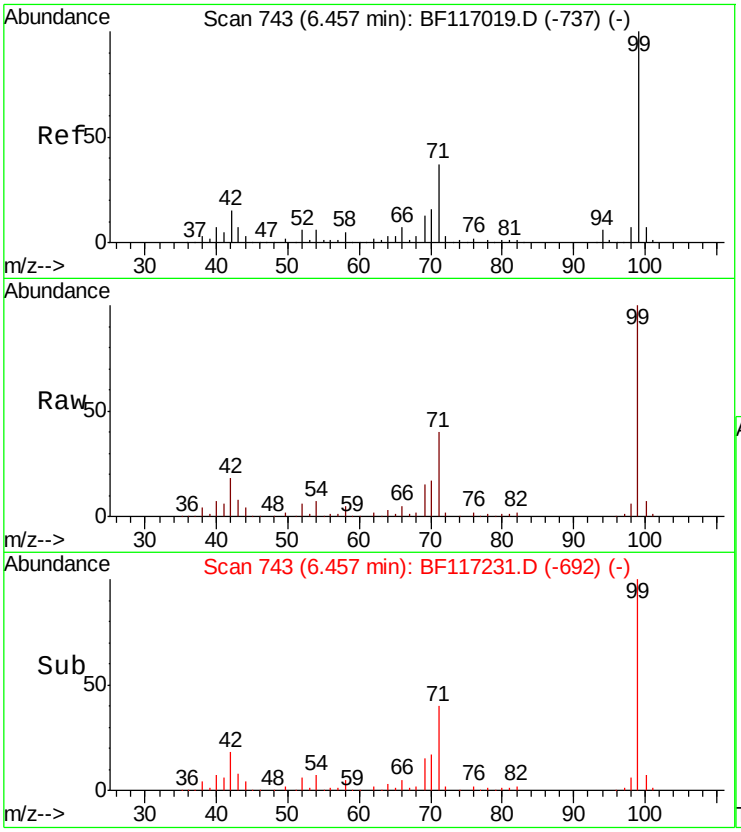




#5
2-Fluorophenol
Concen: 131.697 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:112 Resp: 233230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.1 | 45.7 | 68.5 |
| 63 | 30.7 | 24.9 | 37.3 |



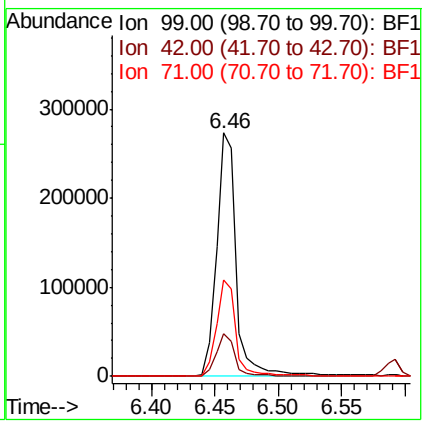


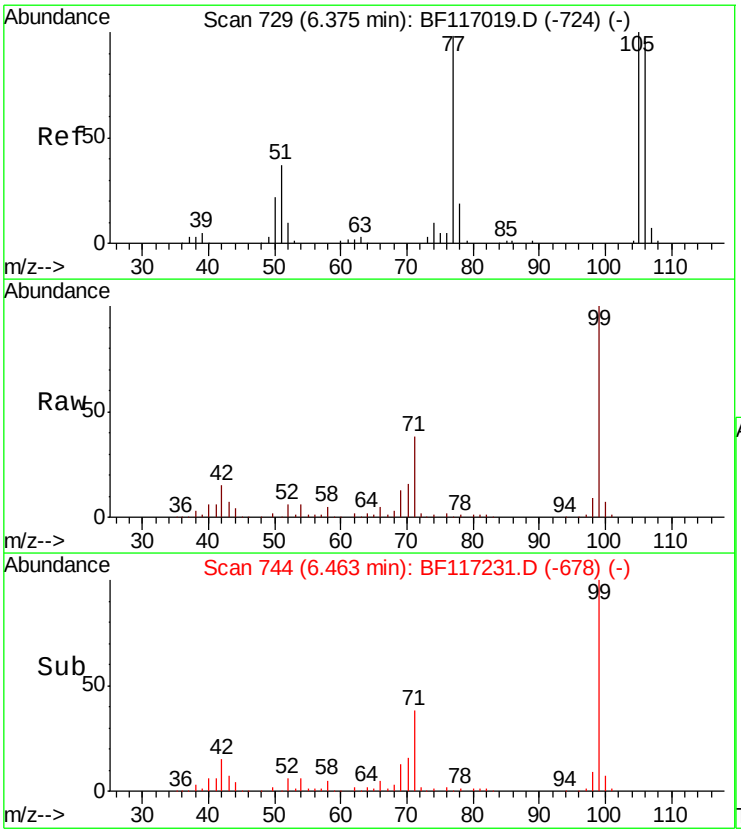

#7
Phenol-d6
Concen: 129.790 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion: 99 Resp: 297051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.5 | 12.2 | 18.2 |
| 71 | 39.6 | 29.8 | 44.8 |

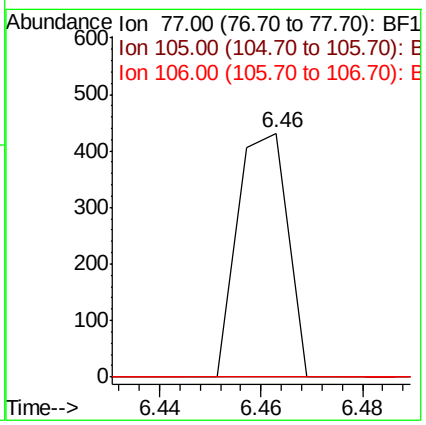


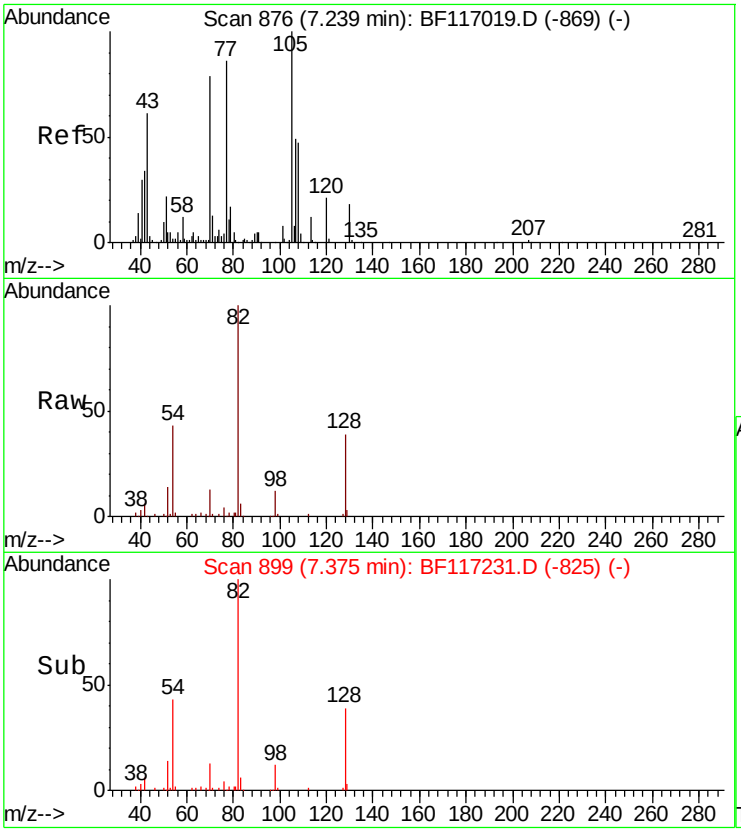




#9
Benzaldehyde
Concen: Below Cal
RT: 6.46 min Scan# 744
Delta R.T. 0.09 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion: 77 Resp: 295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 81.8 | 121.8# |
| 106 | 0.0 | 77.3 | 117.3# |



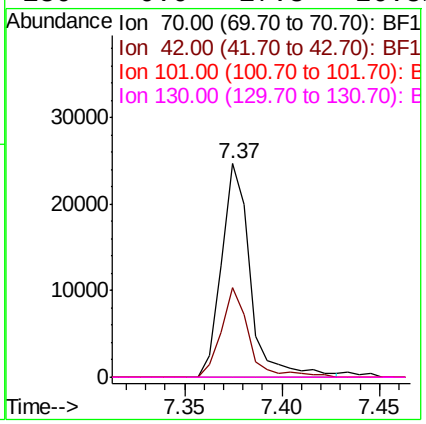


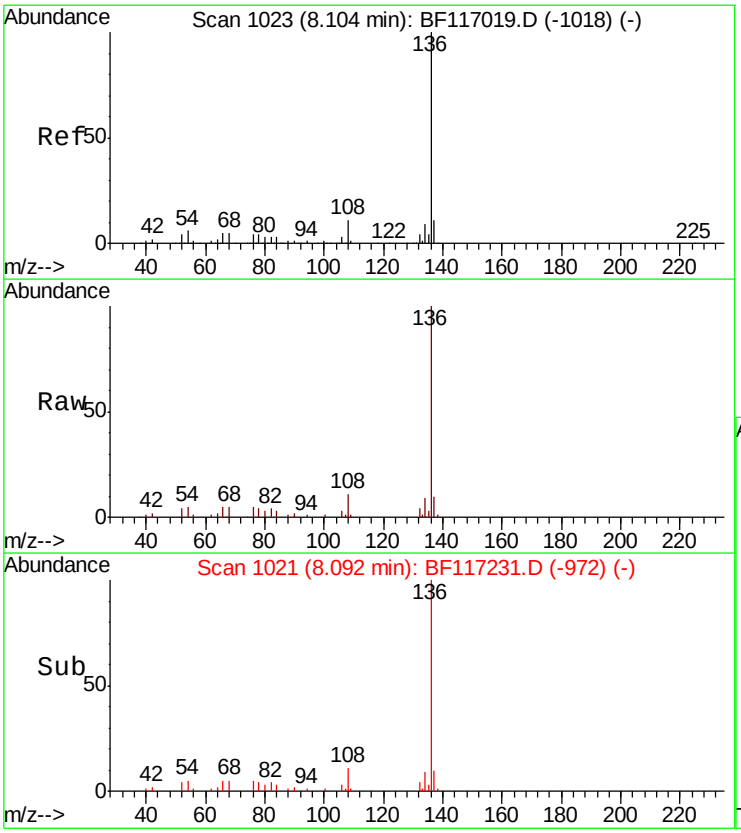

#19
n-Nitroso-di-n-propylamine
Concen: 18.159 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion: 70 Resp: 25308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.8 | 34.0 | 51.0 |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 0.0 | 17.8 | 26.8# |

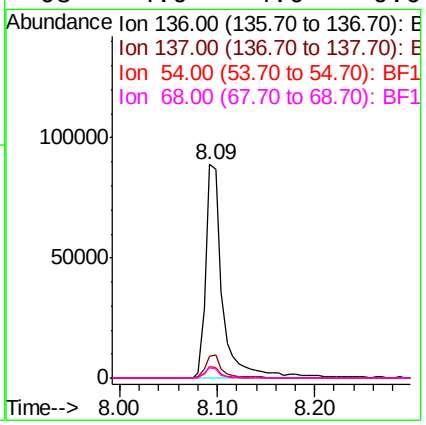


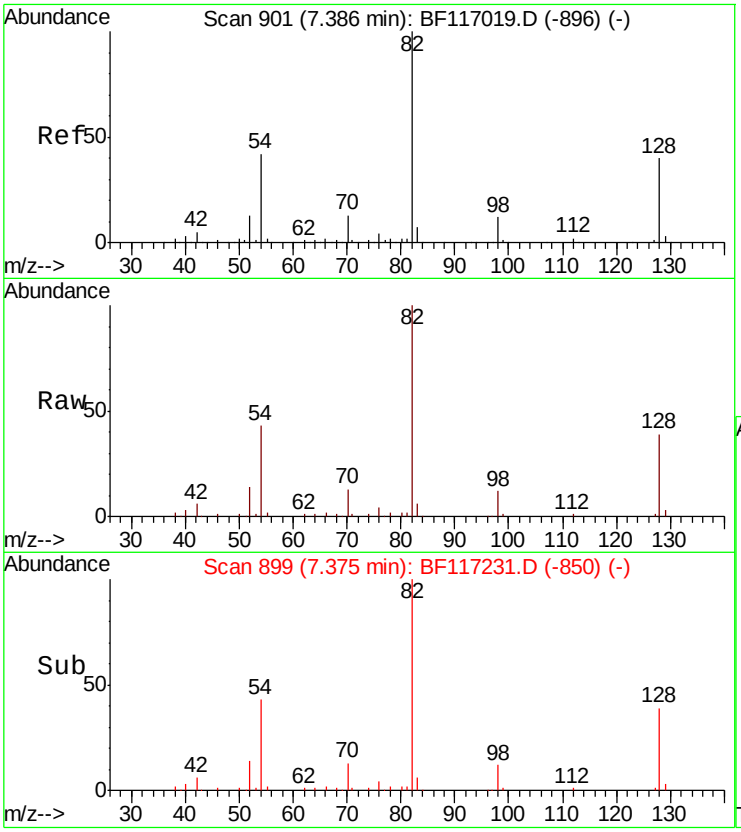




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:136 Resp: 107028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 9.0 | 13.4 |
| 54 | 5.5 | 4.5 | 6.7 |
| 68 | 4.9 | 4.0 | 6.0 |



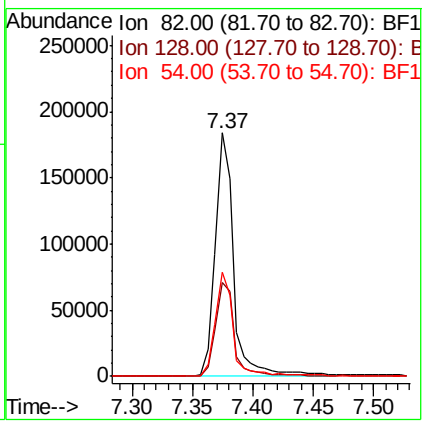


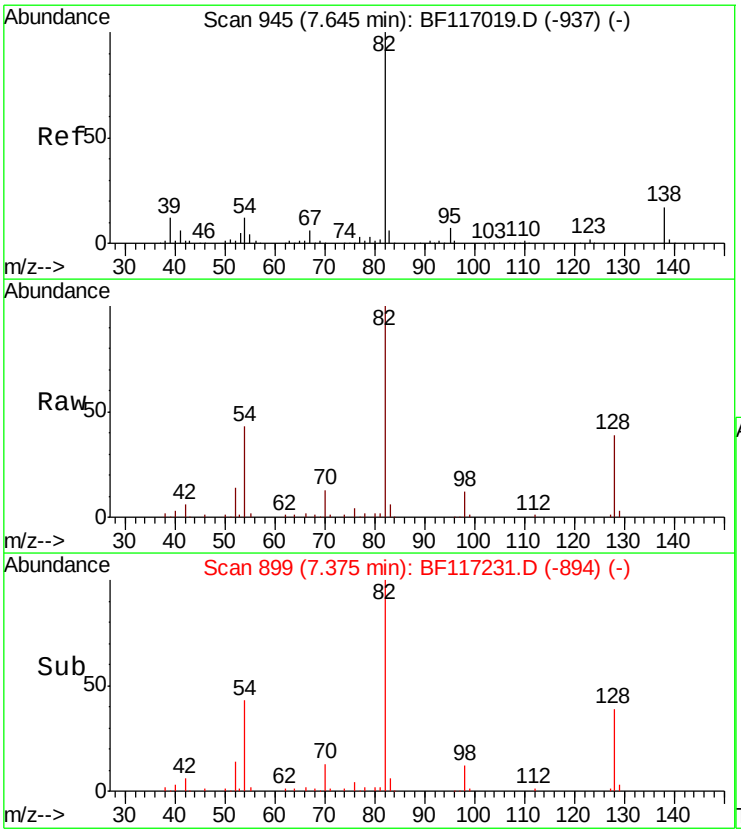

#23
Nitrobenzene-d5
Concen: 94.451 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion: 82 Resp: 192396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.6 | 32.3 | 48.5 |
| 54 | 42.9 | 33.3 | 49.9 |

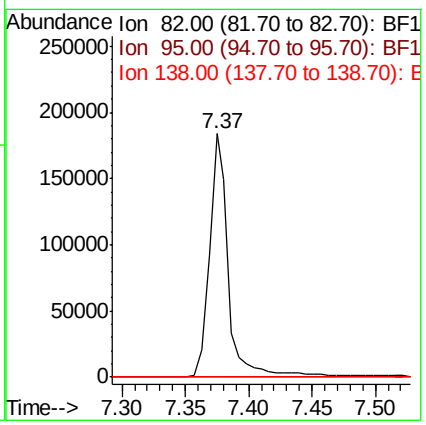


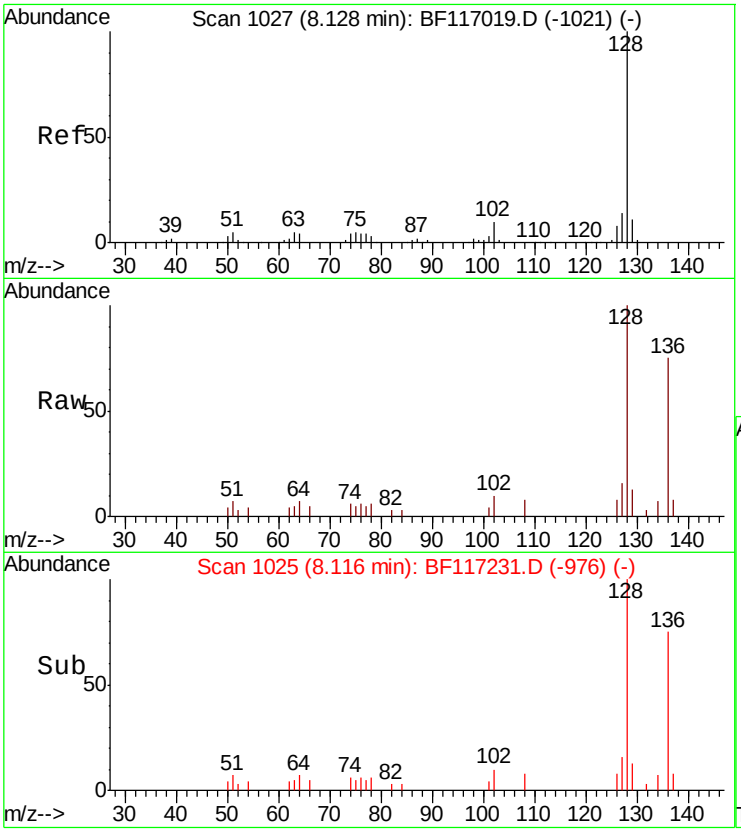




#25
Isophorone
Concen: 53.345 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.27 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion: 82 Resp: 192395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.8 | 8.6# |
| 138 | 0.0 | 13.5 | 20.3# |



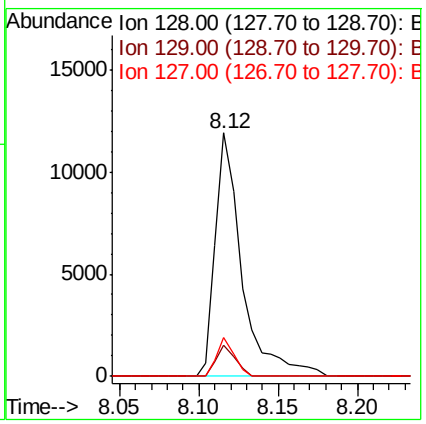


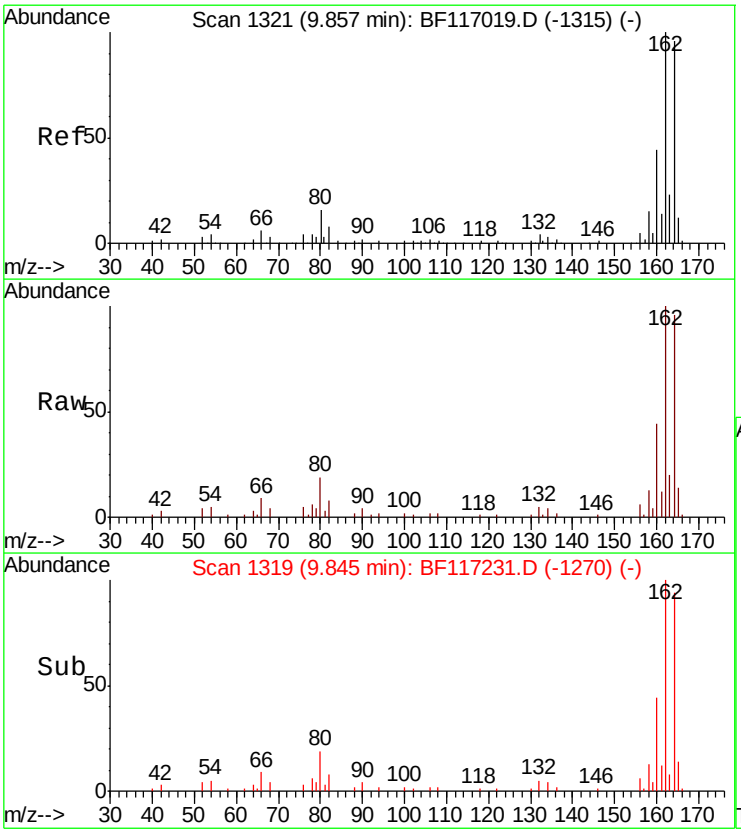

#31
Naphthalene
Concen: 2.707 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:128 Resp: 13936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.9 | 9.0 | 13.4 |
| 127 | 15.8 | 10.8 | 16.2 |

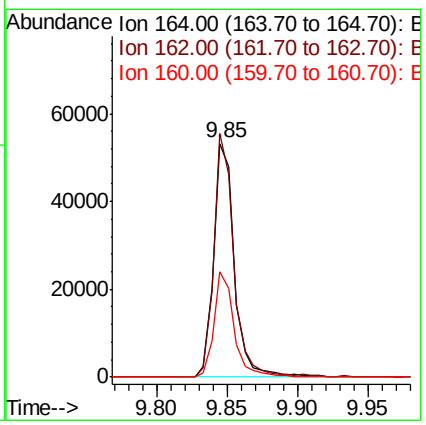


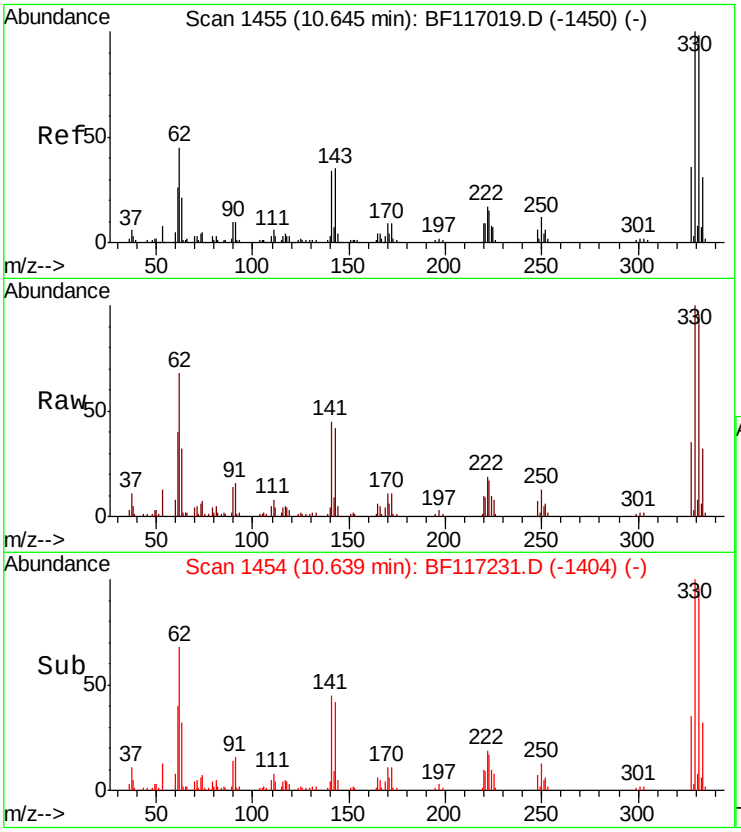




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:164 Resp: 54085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.3 | 83.4 | 125.2 |
| 160 | 45.4 | 36.4 | 54.6 |



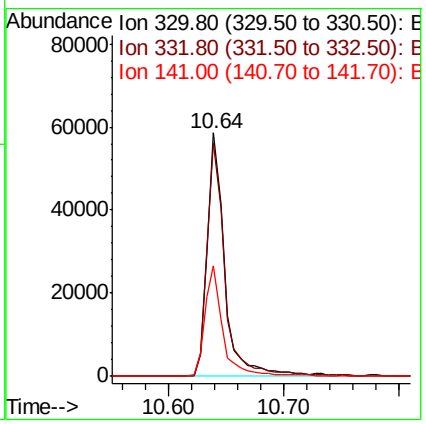


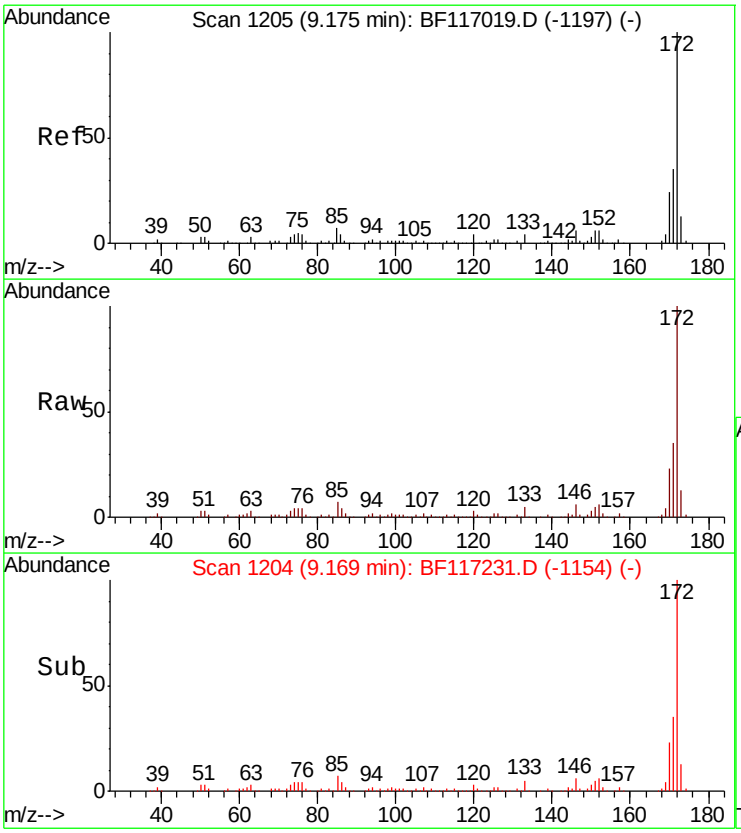

#42
2,4,6-Tribromophenol
Concen: 137.220 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:330 Resp: 62027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 78.0 | 117.0 |
| 141 | 46.2 | 35.8 | 53.6 |

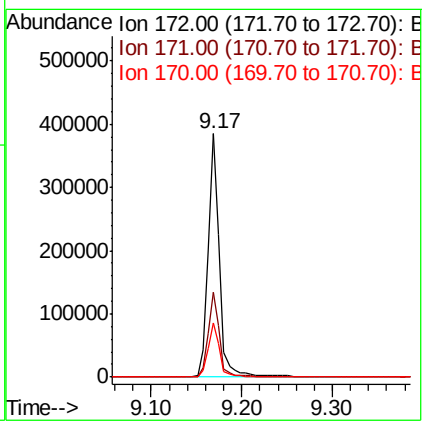


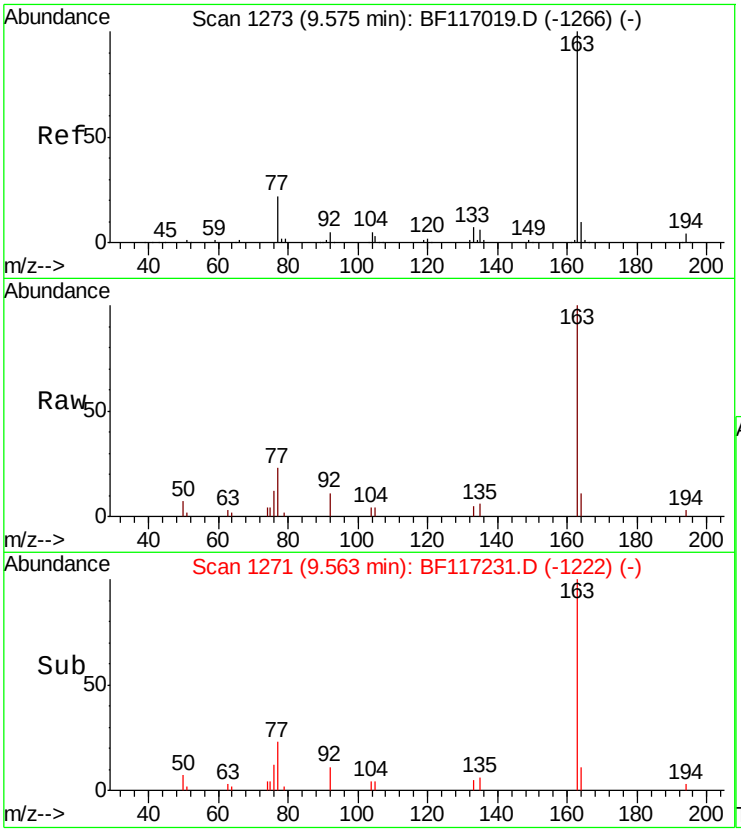




#45
2-Fluorobiphenyl
Concen: 98.996 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:172 Resp: 342432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.2 | 42.2 |
| 170 | 22.5 | 18.9 | 28.3 |

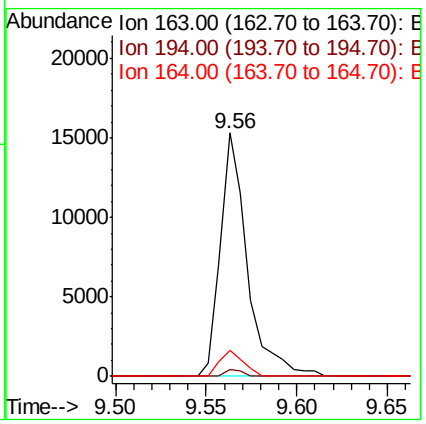




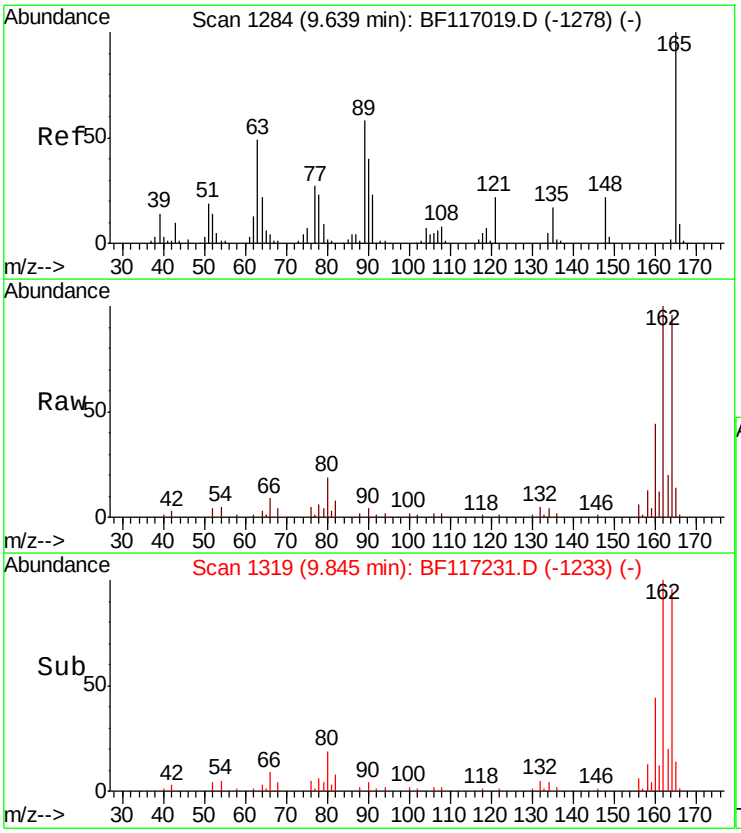

#50
Dimethylphthalate
Concen: 4.153 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:163 Resp: 15903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 2.9 | 4.3 |
| 164 | 10.6 | 8.2 | 12.4 |



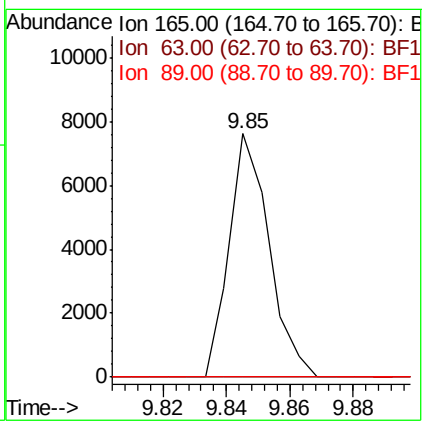

**Instrument :**
BNA_F
**ClientSampleId :**

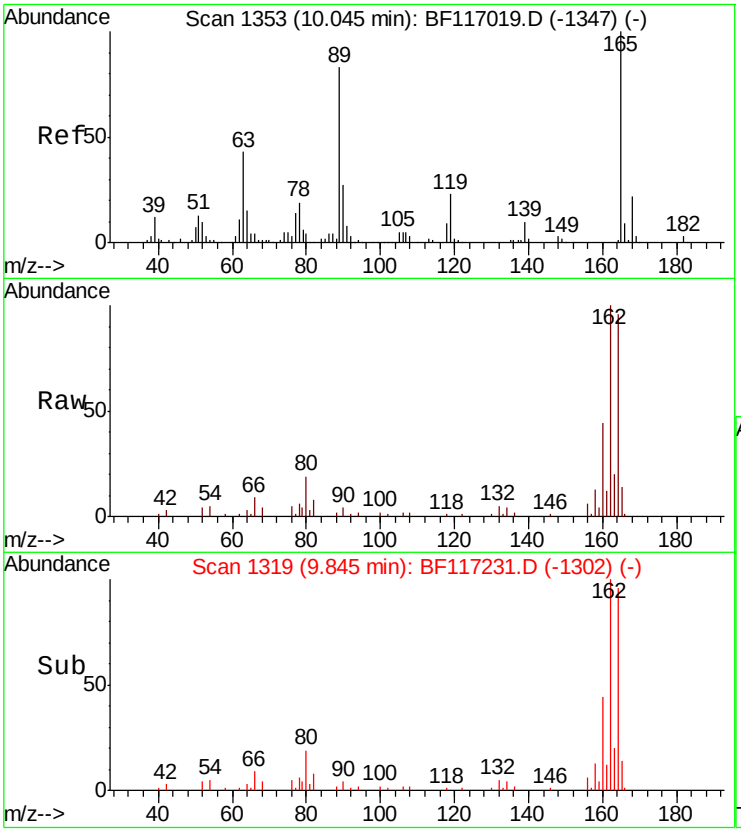



#51
2,6-Dinitrotoluene
Concen: 8.481 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:165 Resp: 6615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 41.8 | 62.8# |
| 89 | 0.0 | 46.5 | 69.7# |



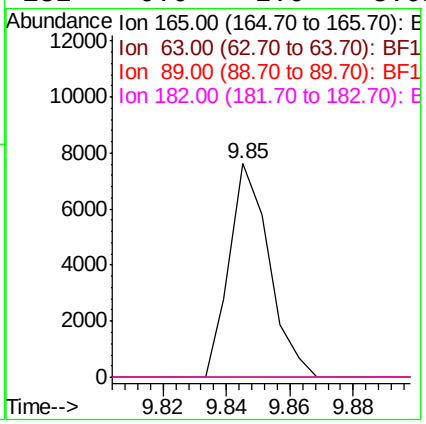


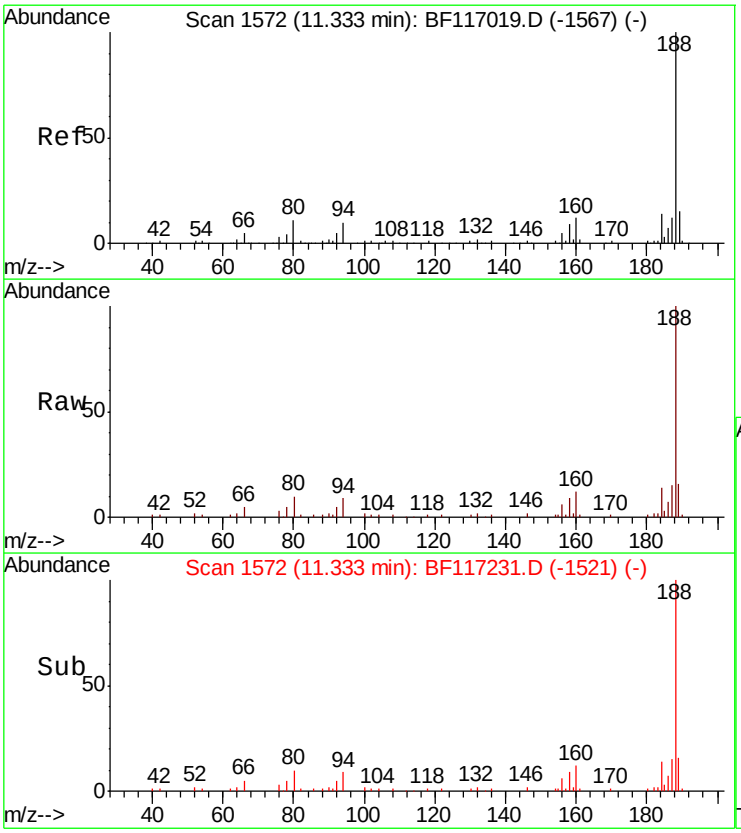

#57
2,4-Dinitrotoluene
Concen: 6.534 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:165 Resp: 6615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 35.0 | 52.4# |
| 89 | 0.0 | 66.1 | 99.1# |
| 182 | 0.0 | 2.0 | 3.0# |

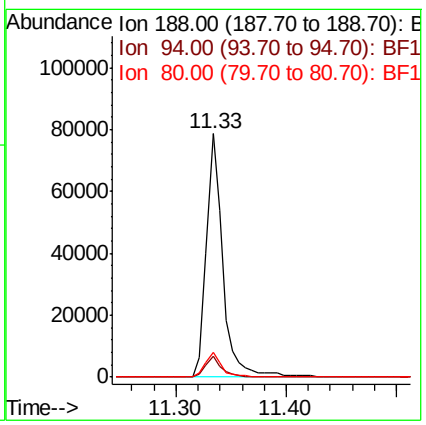


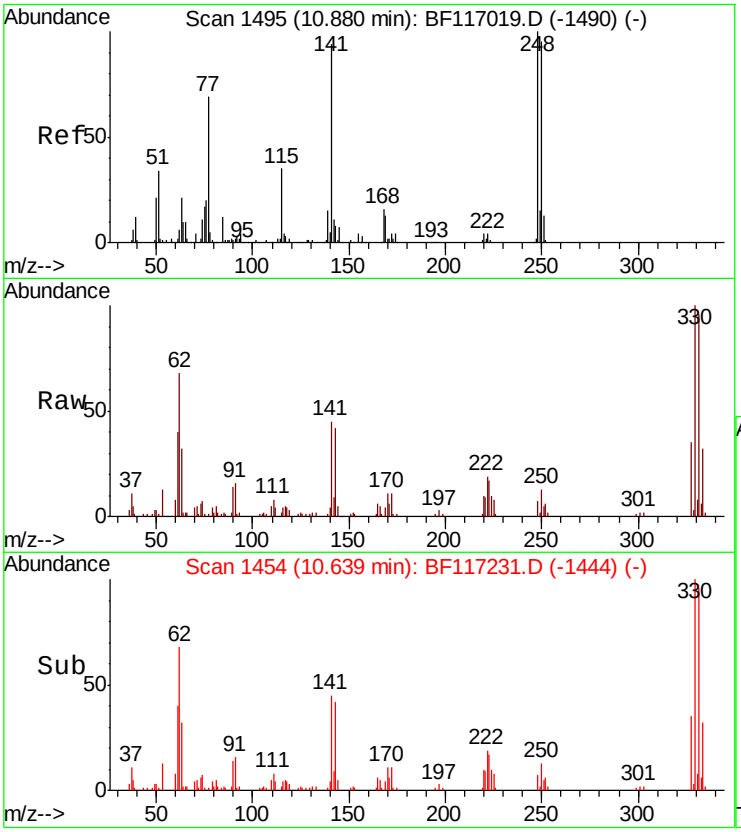




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:188 Resp: 79078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 8.2 | 12.2 |
| 80 | 10.1 | 9.0 | 13.6 |



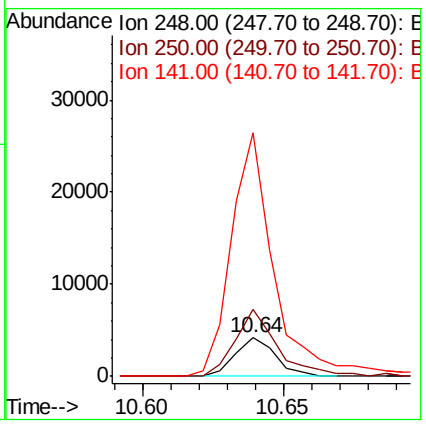


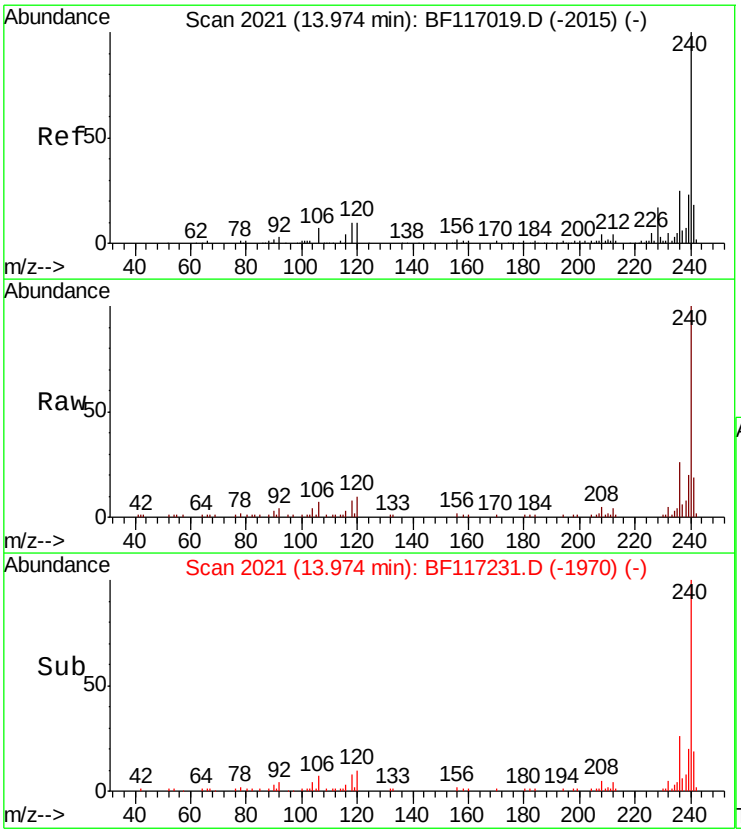

#67
4-Bromophenyl-phenylether
Concen: 5.100 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:248 Resp: 4119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 175.8 | 76.2 | 114.4# |
| 141 | 634.4 | 75.0 | 112.4# |

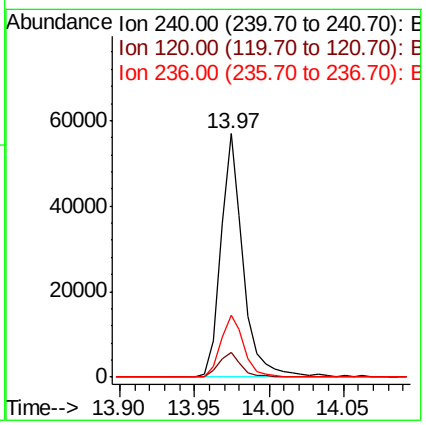


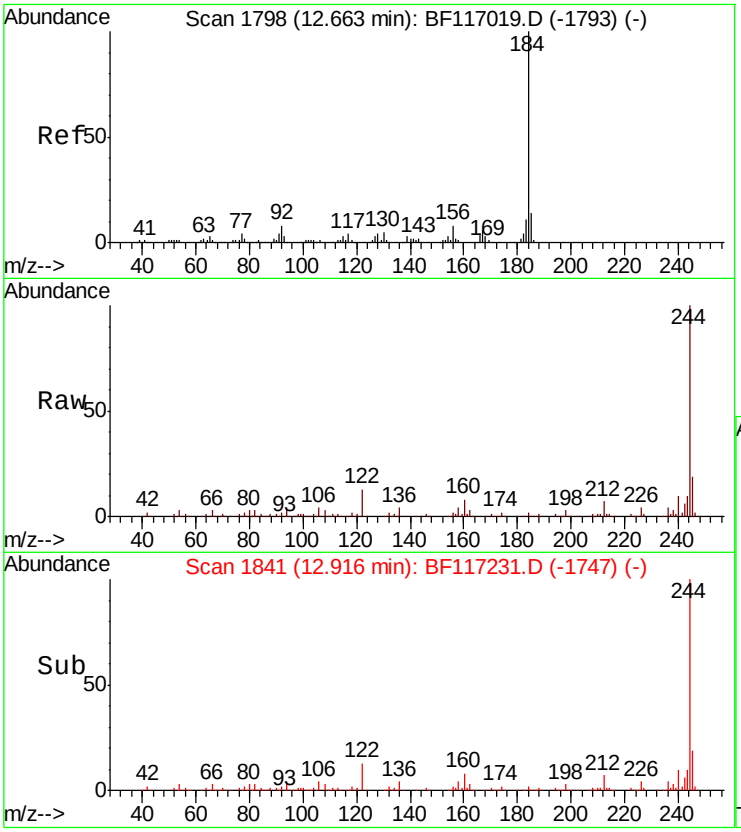




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:240 Resp: 59648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 8.3 | 12.5 |
| 236 | 25.6 | 20.3 | 30.5 |



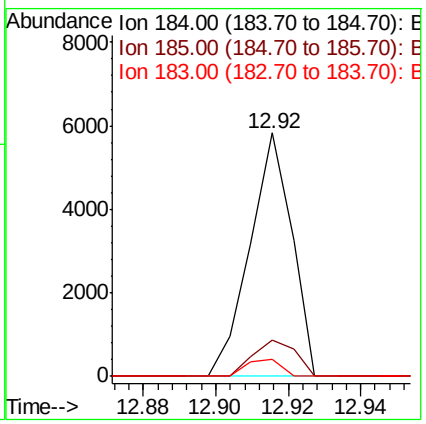


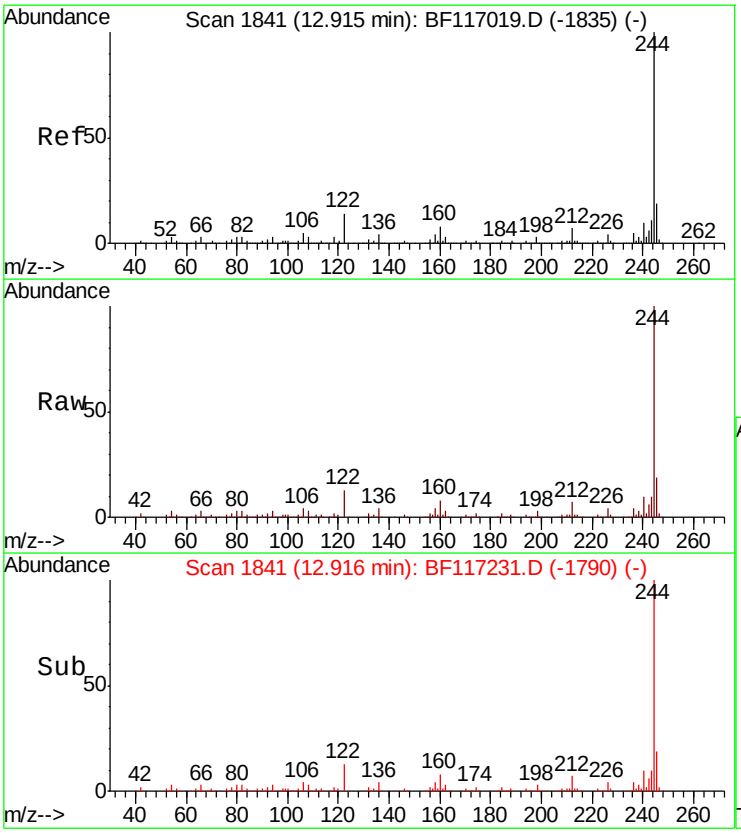

#77
Benzidine
Concen: 2.426 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:184 Resp: 4661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.6 | 17.4 |
| 183 | 7.0 | 9.0 | 13.4# |

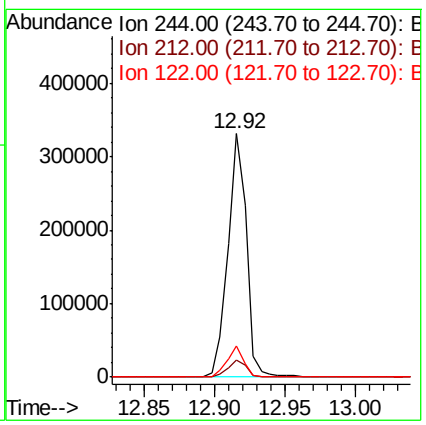


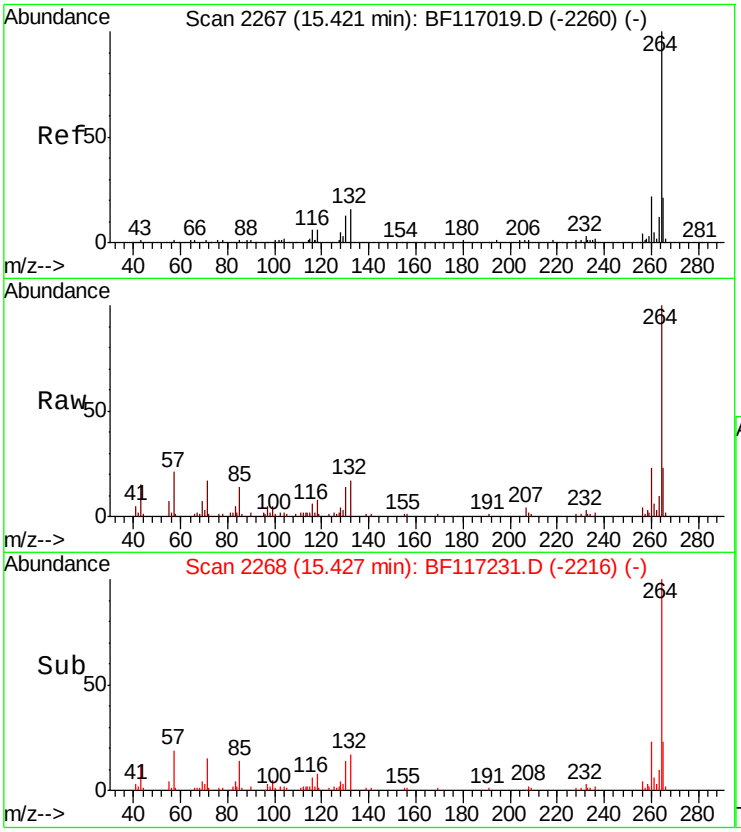




#79
Terphenyl-d14
Concen: 95.206 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

Tgt Ion:244 Resp: 303809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.8 | 8.8 |
| 122 | 12.9 | 11.3 | 16.9 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117231.D
Acq: 24 Sep 2019 22:20

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

Tgt Ion:264 Resp: 56600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 17.6 | 26.4 |
| 265 | 22.5 | 16.6 | 24.8 |