Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
Data File : BF116602.D
Acq On : 28 Aug 2019 00:11
Operator : HP/JU
Sample : K4528-39
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 28 06:39:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 118695 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 440184 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 235437 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 221121 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 14.02 | 240 | 152879 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 15.47 | 264 | 142024 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 849732 | 104.60 | ng | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 963441 | 96.73 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 801339 | 99.60 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 323597 | 160.07 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 1439459 | 98.46 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.97 | 244 | 951267 | 116.23 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.43 | 70 | 108384 | 15.947 | ng | # 78 |
| 25) Isophorone | 7.43 | 82 | 801457 | 50.548 | ng | # 67 |
| 51) 2,6-Dinitrotoluene | 9.90 | 165 | 29597 | 8.803 | ng | # 25 |
| 57) 2,4-Dinitrotoluene | 9.90 | 165 | 29597 | 6.918 | ng | # 21 |
| 65) 4,6-Dinitro-2-methylphenol | 10.69 | 198 | 713 | 7.677 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 10.69 | 248 | 20703 | 8.931 | ng | # 1 |
| 77) Benzidine | 12.97 | 184 | 13808 | 2.245 | ng | 97 |

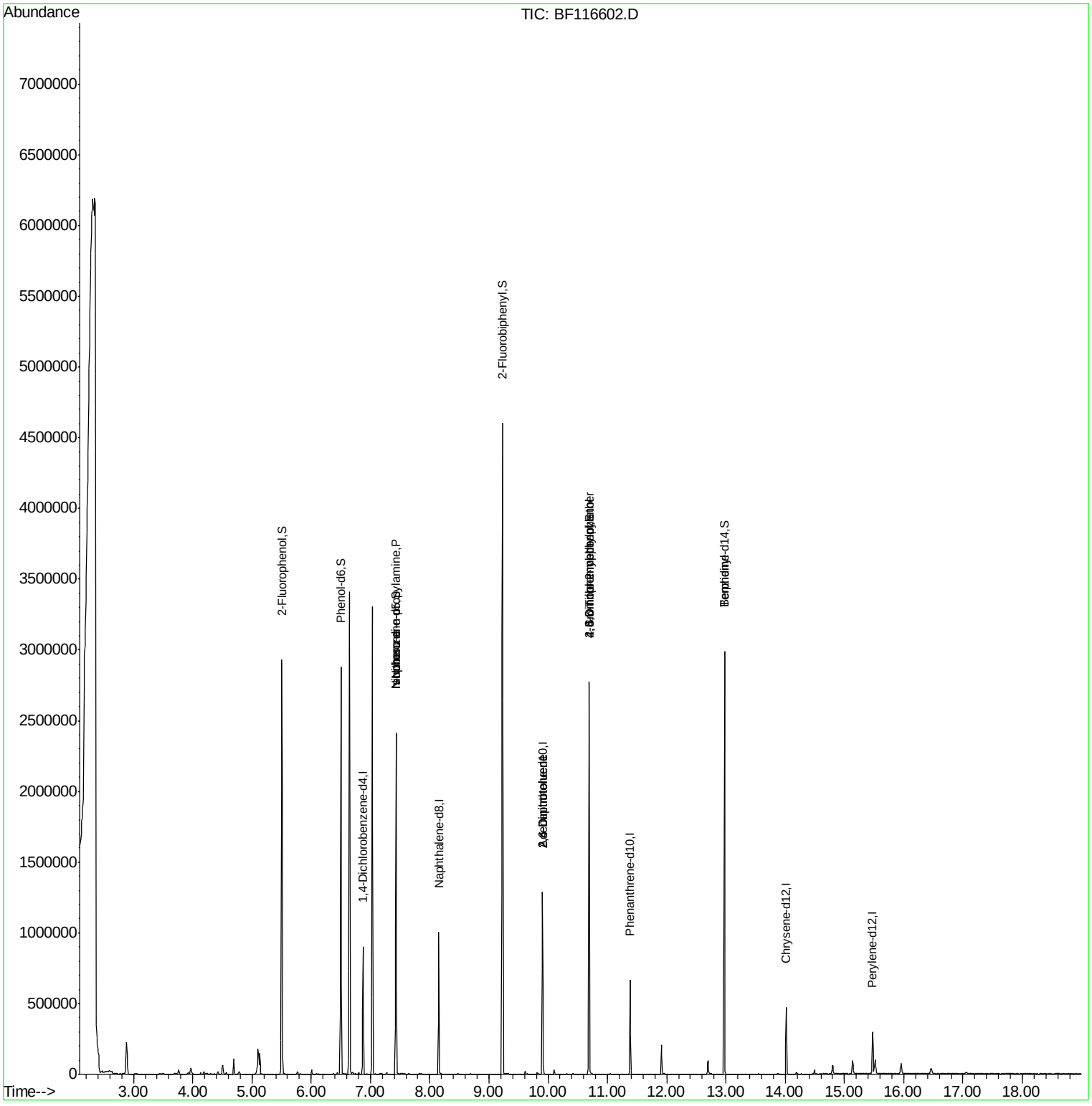
(#) = qualifier out of range (m) = manual integration (+) = signals summed

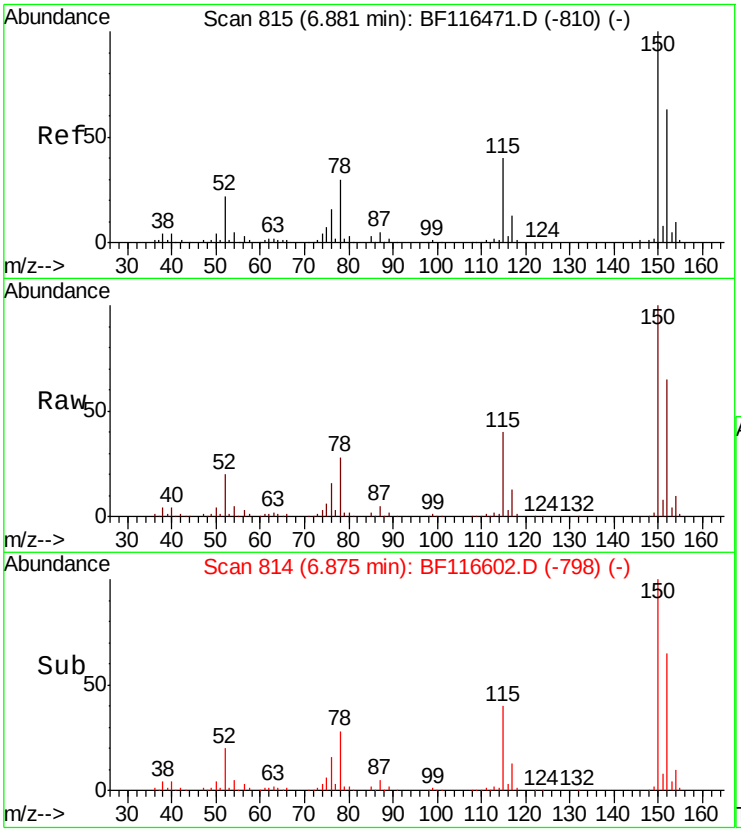
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
Data File : BF116602.D
Acq On : 28 Aug 2019 00:11
Operator : HP/JU
Sample : K4528-39
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 28 06:39:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration



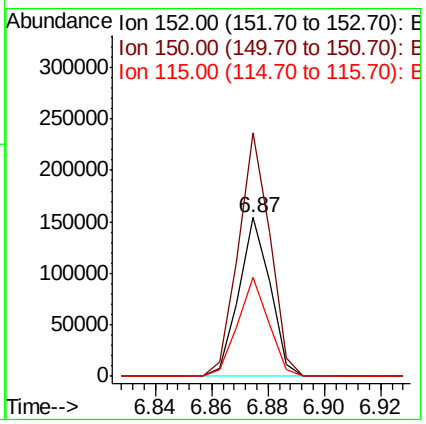


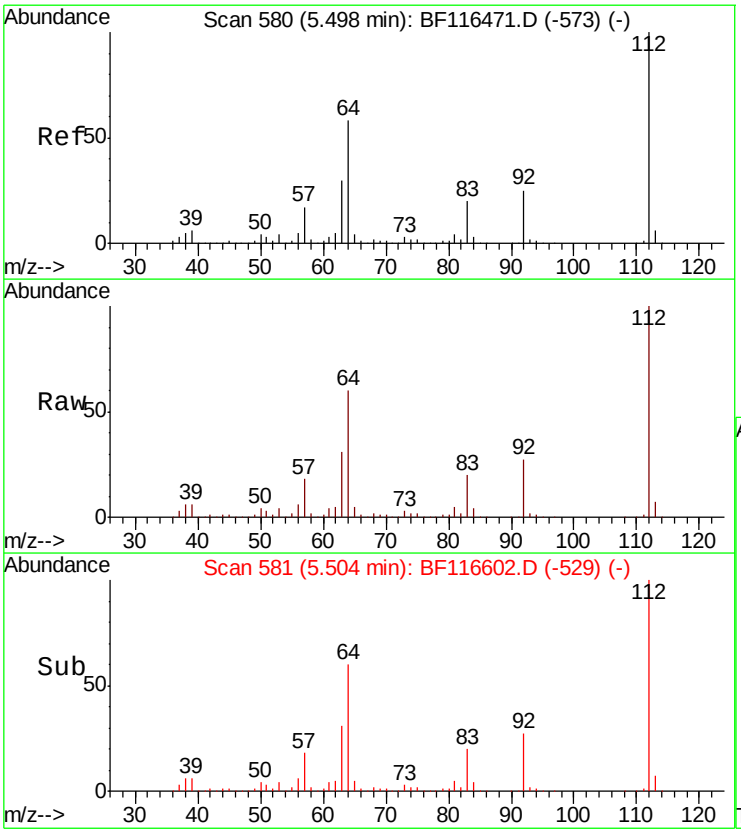

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:152 Resp: 118695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.5 | 126.7 | 190.1 |
| 115 | 62.1 | 50.9 | 76.3 |

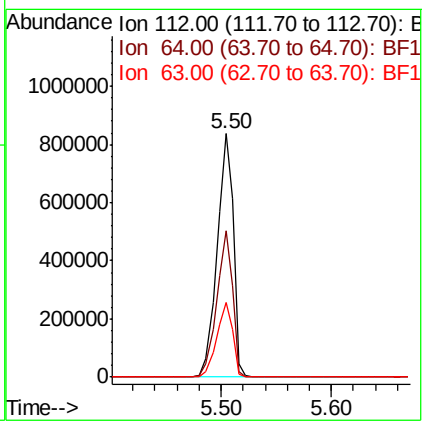


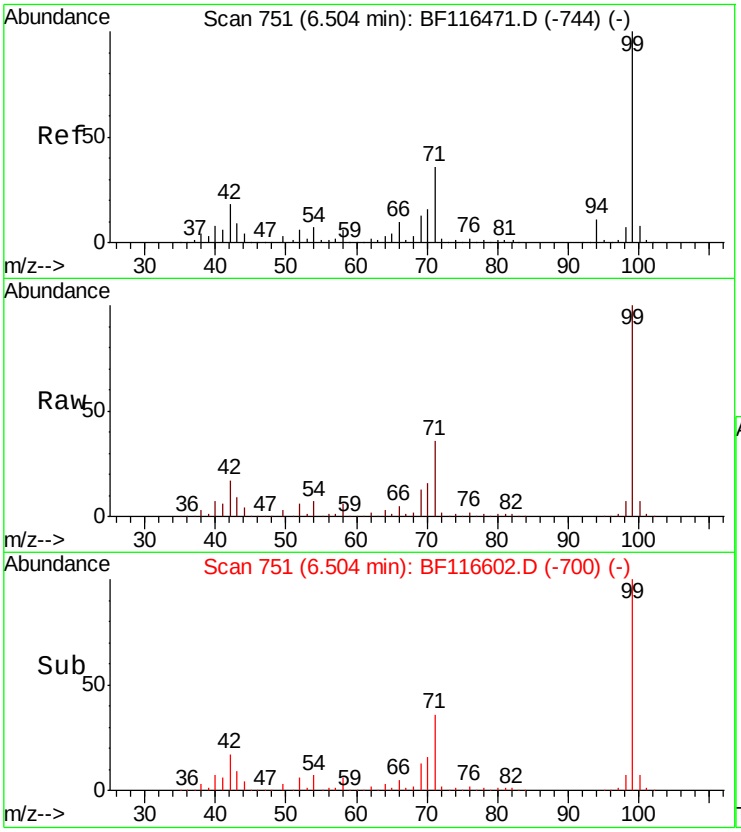




#5
2-Fluorophenol
Concen: 104.603 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:112 Resp: 849732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.9 | 46.3 | 69.5 |
| 63 | 30.6 | 24.2 | 36.4 |



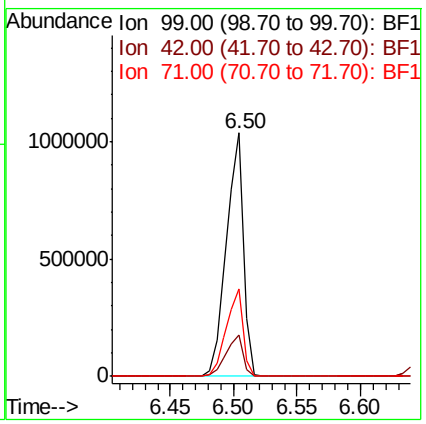


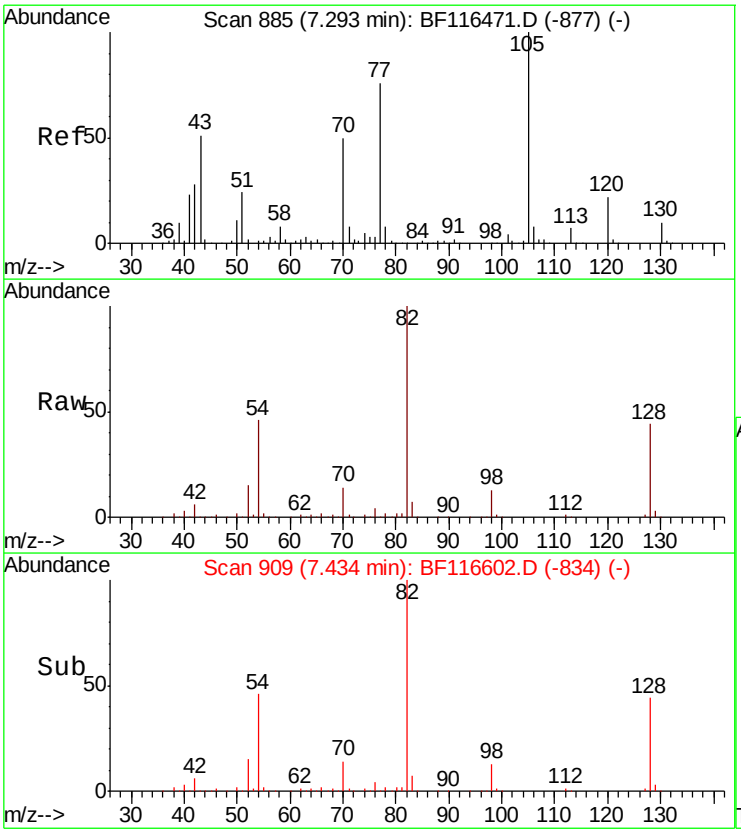

#7
Phenol-d6
Concen: 96.726 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion: 99 Resp: 963441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.6 | 21.8 |
| 71 | 35.9 | 28.5 | 42.7 |

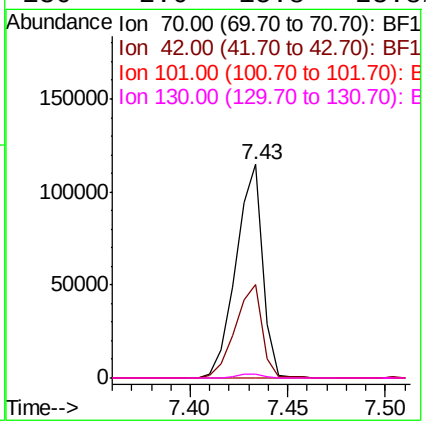


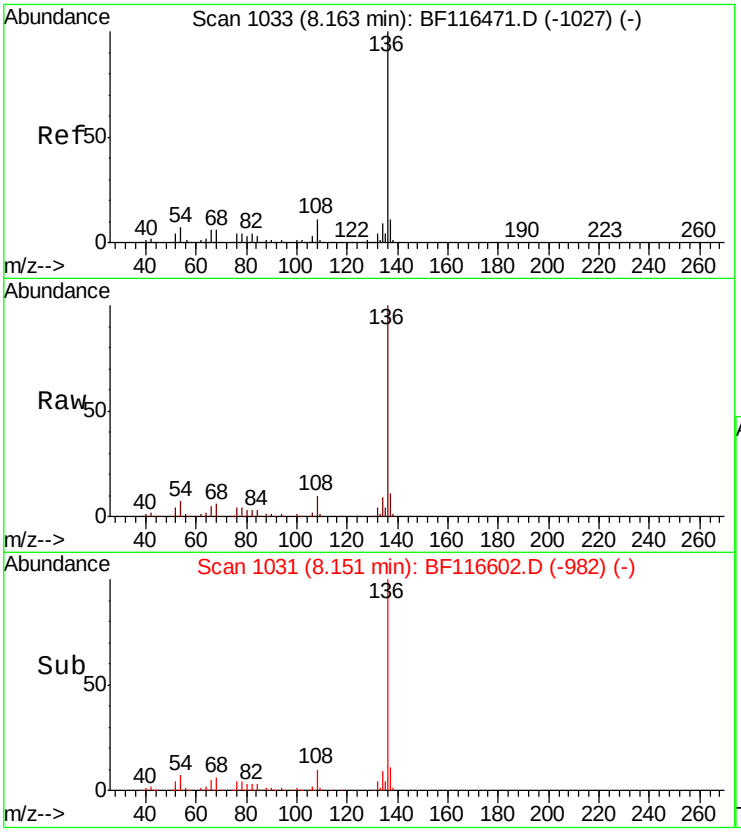




#19
n-Nitroso-di-n-propylamine
Concen: 15.947 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion: 70 Resp: 108384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.8 | 44.4 | 66.6# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.0 | 15.8 | 23.8# |



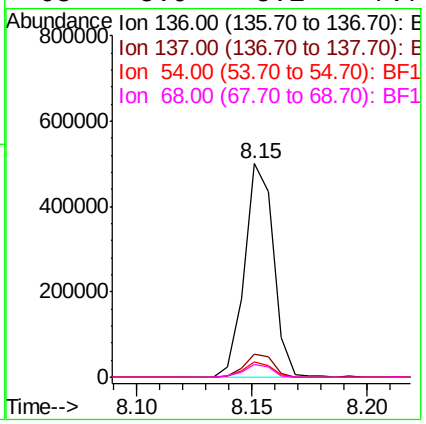


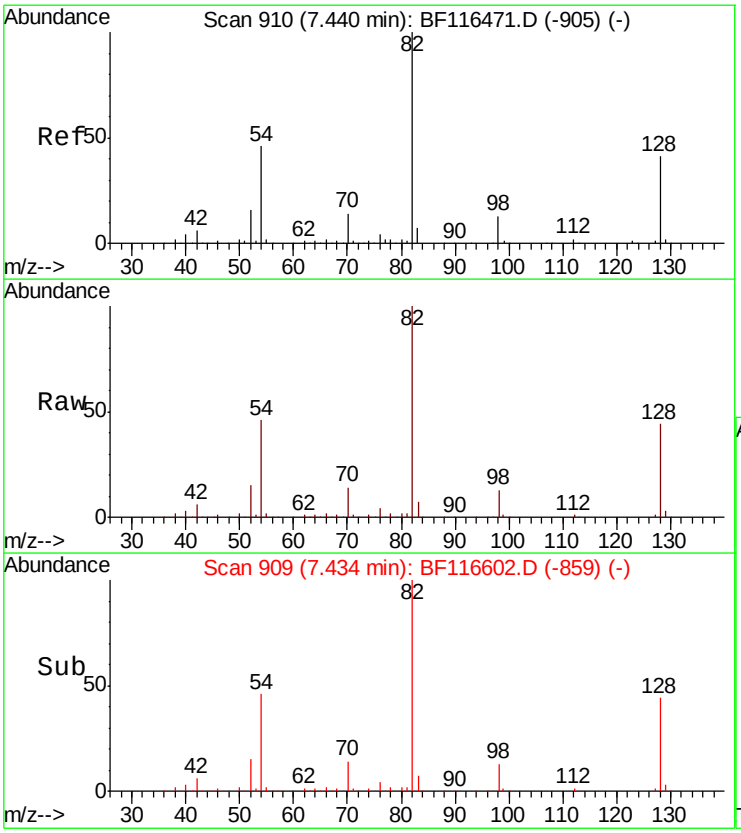

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:136 Resp: 440184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 7.0 | 5.8 | 8.6 |
| 68 | 5.9 | 5.1 | 7.7 |

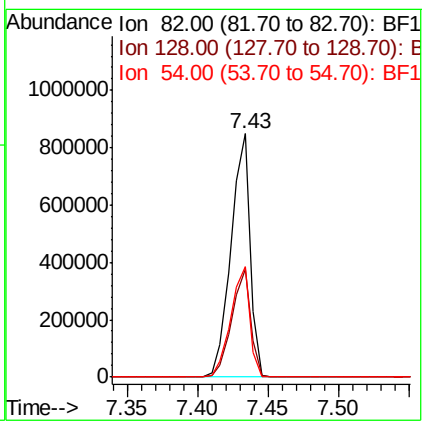


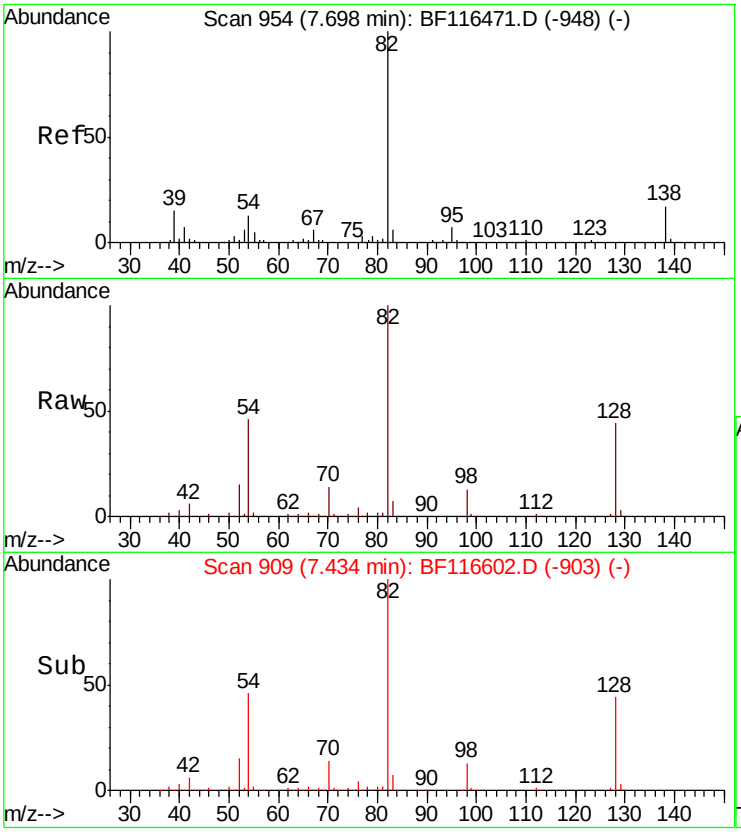




#23
Nitrobenzene-d5
Concen: 99.597 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion: 82 Resp: 801339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 32.2 | 48.4 |
| 54 | 45.5 | 36.5 | 54.7 |



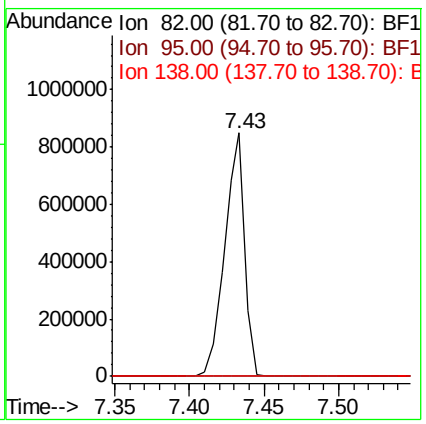


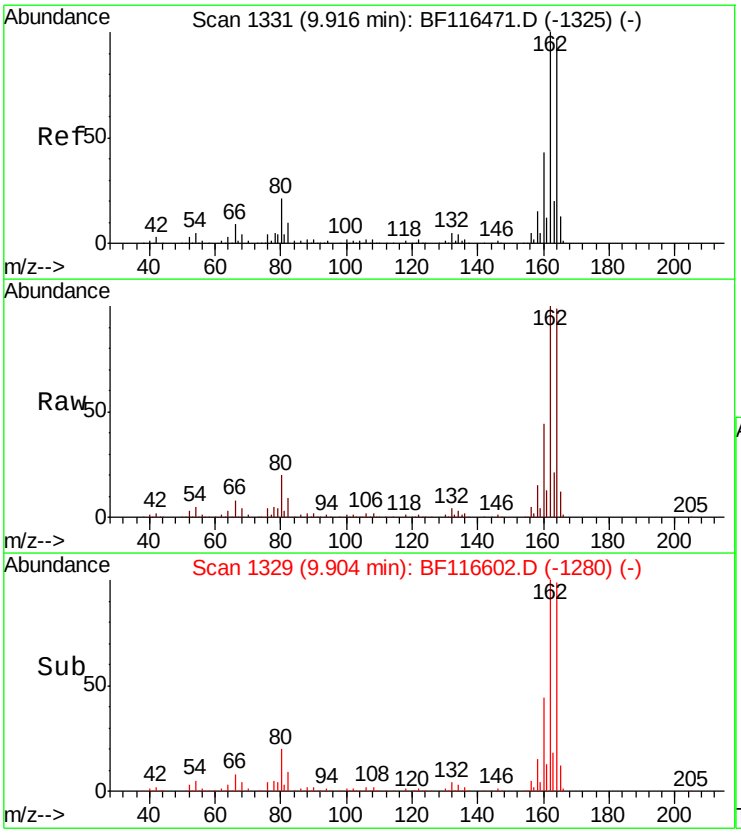

#25
Isophorone
Concen: 50.548 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion: 82 Resp: 801457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.3 | 7.9# |
| 138 | 0.0 | 13.3 | 19.9# |

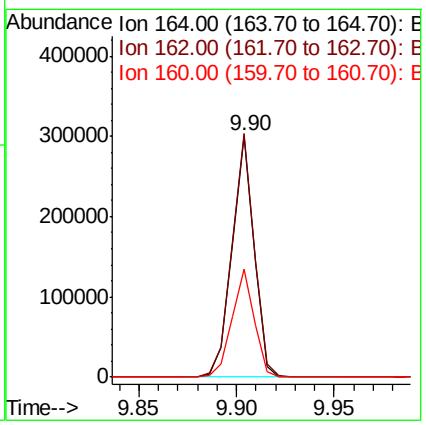


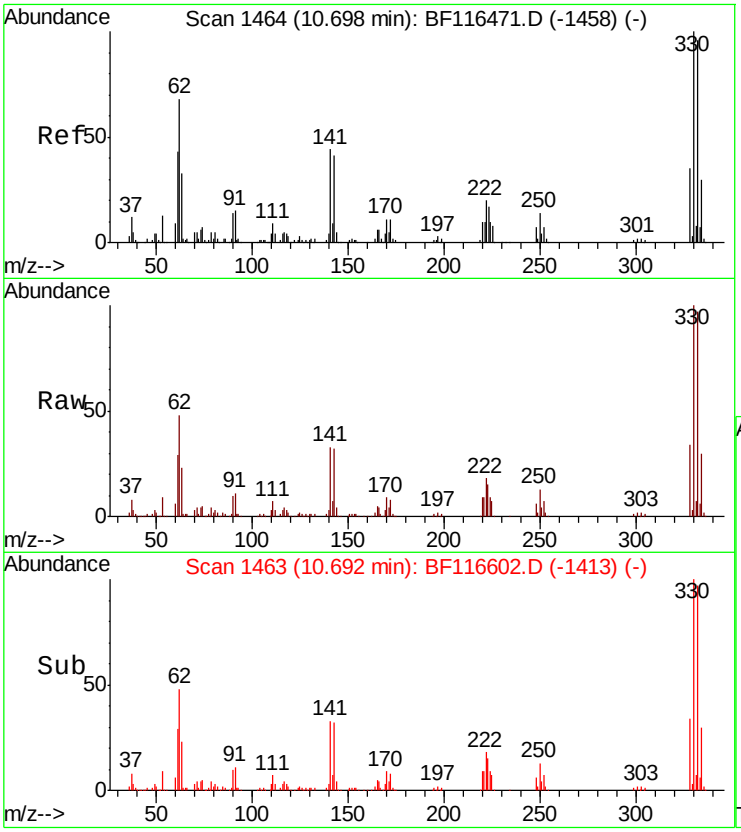




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:164 Resp: 235437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 82.6 | 123.8 |
| 160 | 44.6 | 35.8 | 53.8 |



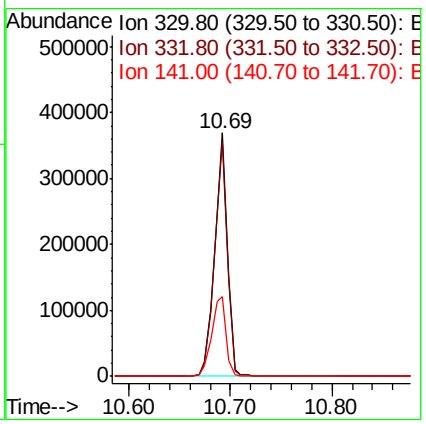


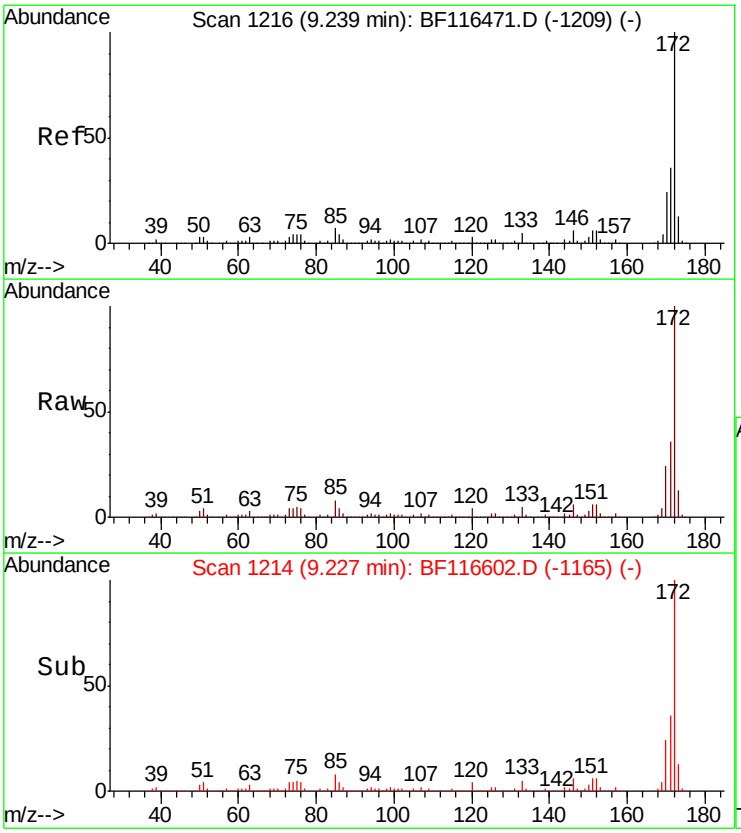

#42
2,4,6-Tribromophenol
Concen: 160.067 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:330 Resp: 323597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.2 | 115.8 |
| 141 | 36.7 | 33.3 | 49.9 |

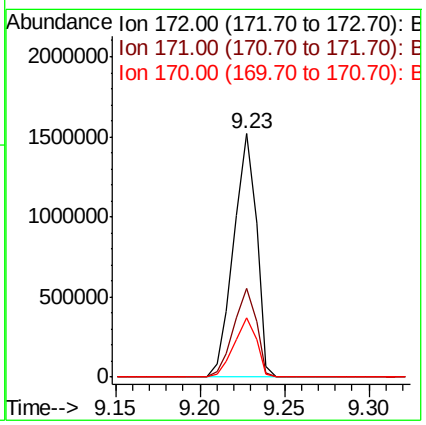


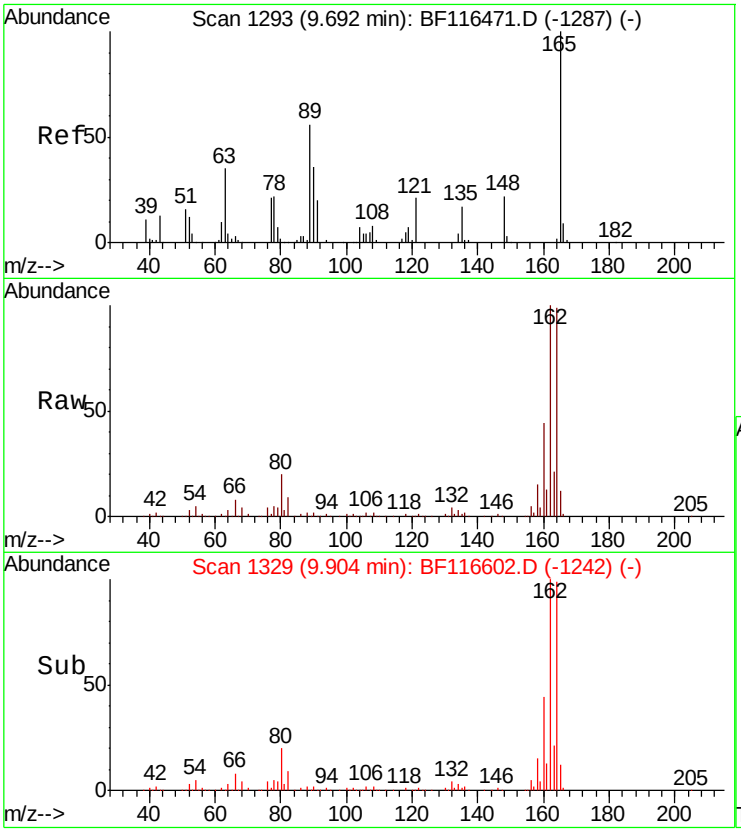




#45
2-Fluorobiphenyl
Concen: 98.460 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:172 Resp: 1439459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.9 | 43.3 |
| 170 | 24.1 | 19.4 | 29.0 |



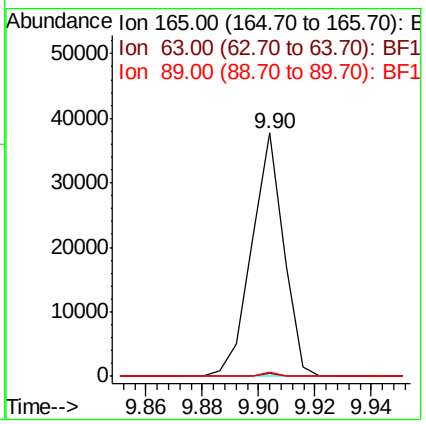


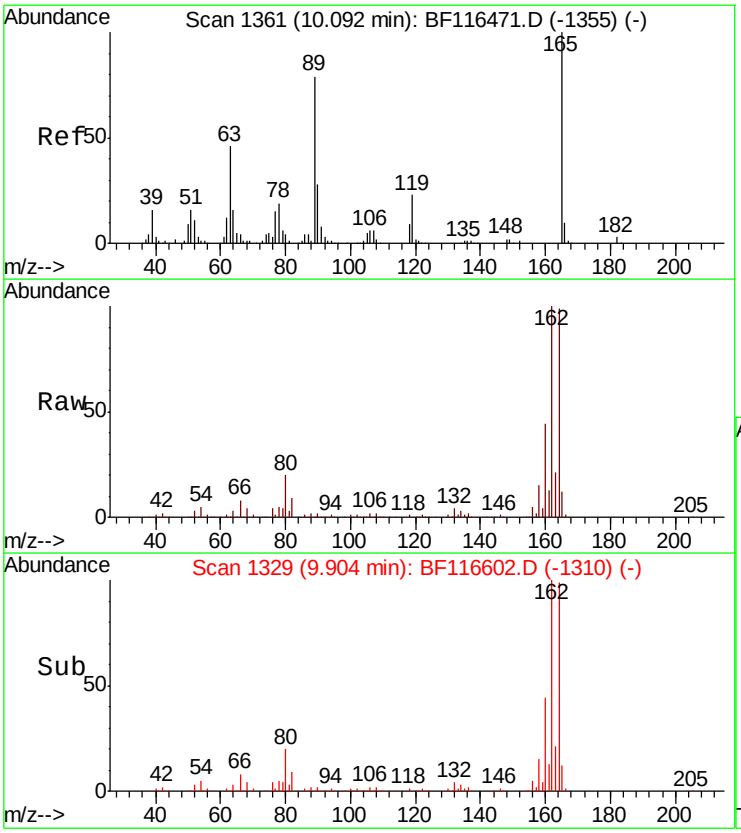

#51
2,6-Dinitrotoluene
Concen: 8.803 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:165 Resp: 29597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 43.7 | 65.5# |
| 89 | 1.5 | 45.1 | 67.7# |

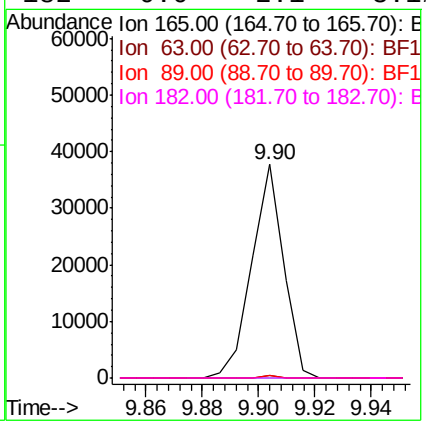


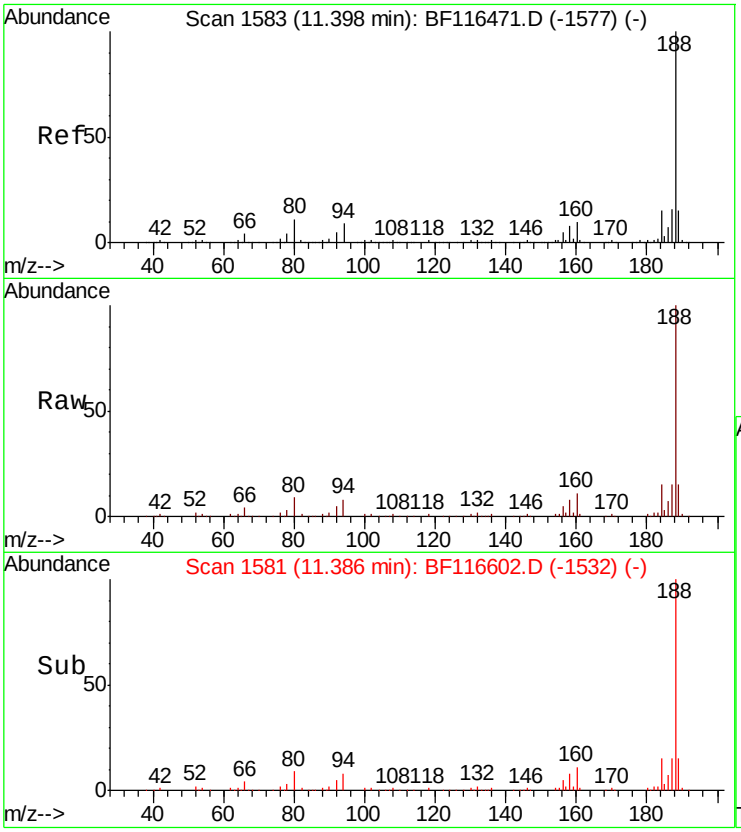




#57
2,4-Dinitrotoluene
Concen: 6.918 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.19 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:165 Resp: 29597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 36.9 | 55.3# |
| 89 | 1.5 | 63.4 | 95.0# |
| 182 | 0.0 | 2.1 | 3.1# |



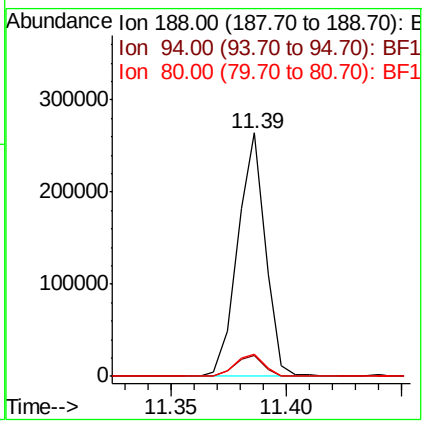


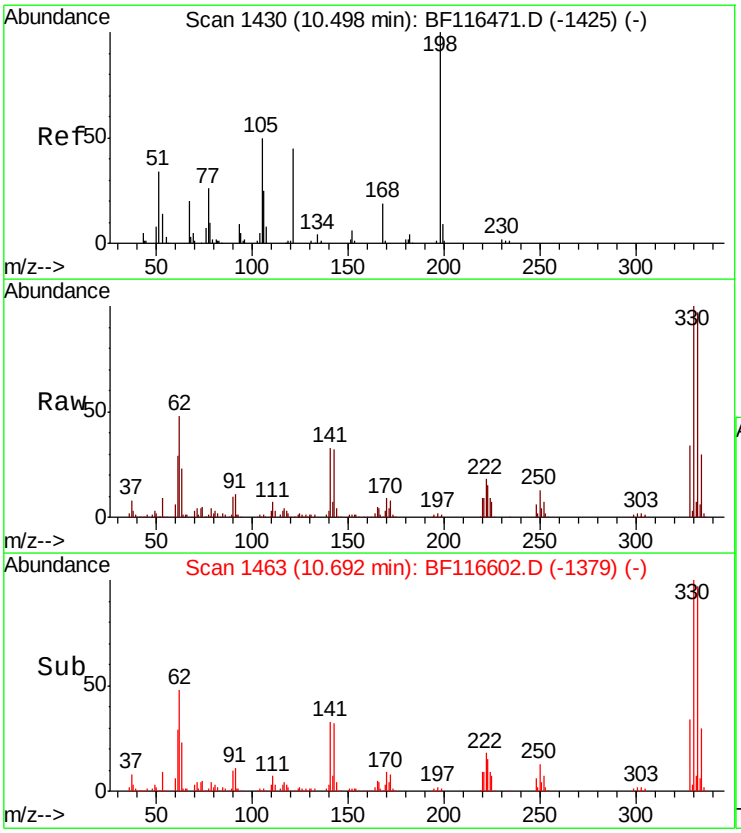

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:188 Resp: 221121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 7.4 | 11.2 |
| 80 | 9.4 | 8.6 | 12.8 |

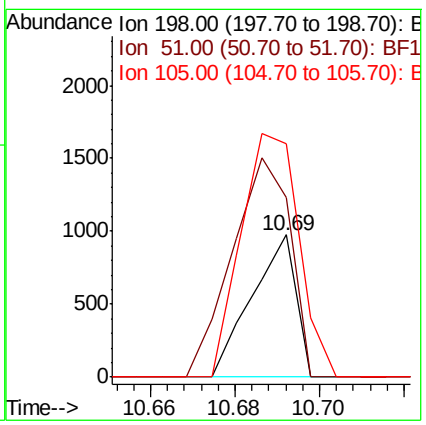


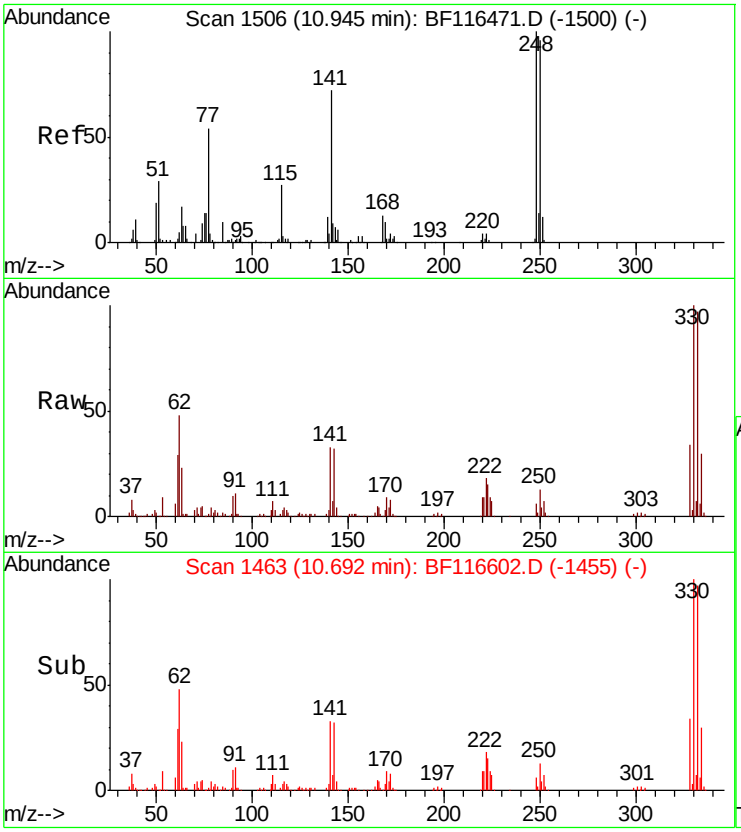




#65
4,6-Dinitro-2-methylphenol
Concen: 7.677 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:198 Resp: 713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 126.7 | 30.4 | 70.4# |
| 105 | 164.2 | 32.8 | 72.8# |



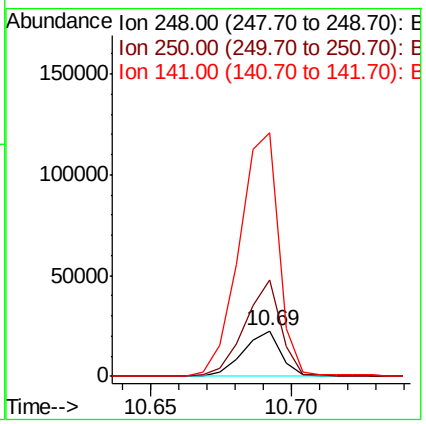


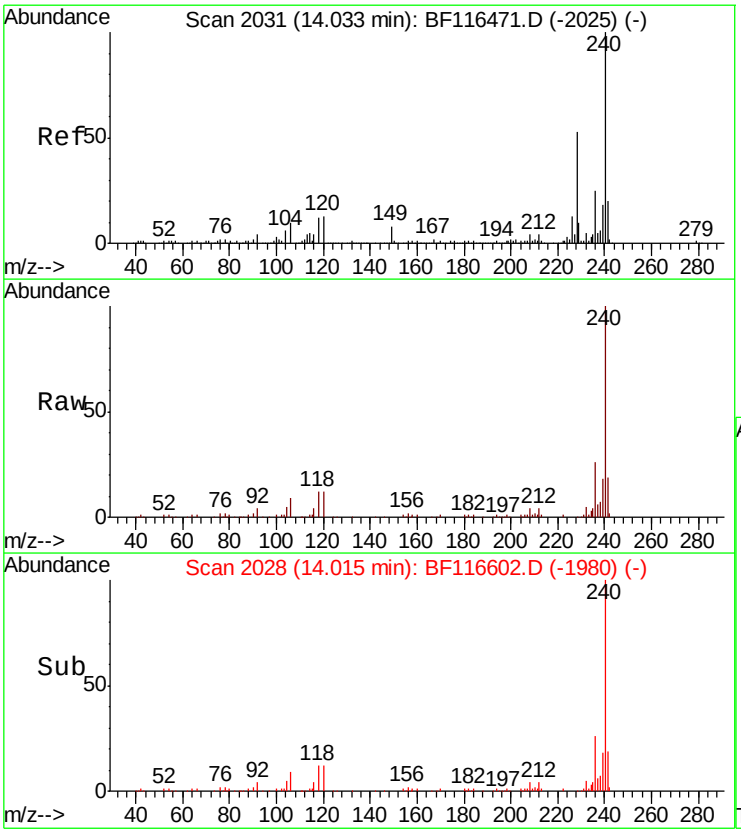

#67
4-Bromophenyl-phenylether
Concen: 8.931 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:248 Resp: 20703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 211.8 | 77.0 | 115.6# |
| 141 | 531.8 | 57.4 | 86.0# |

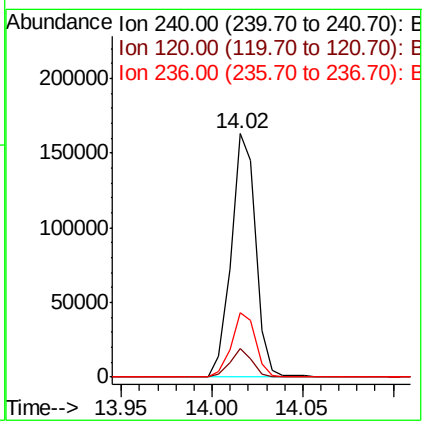


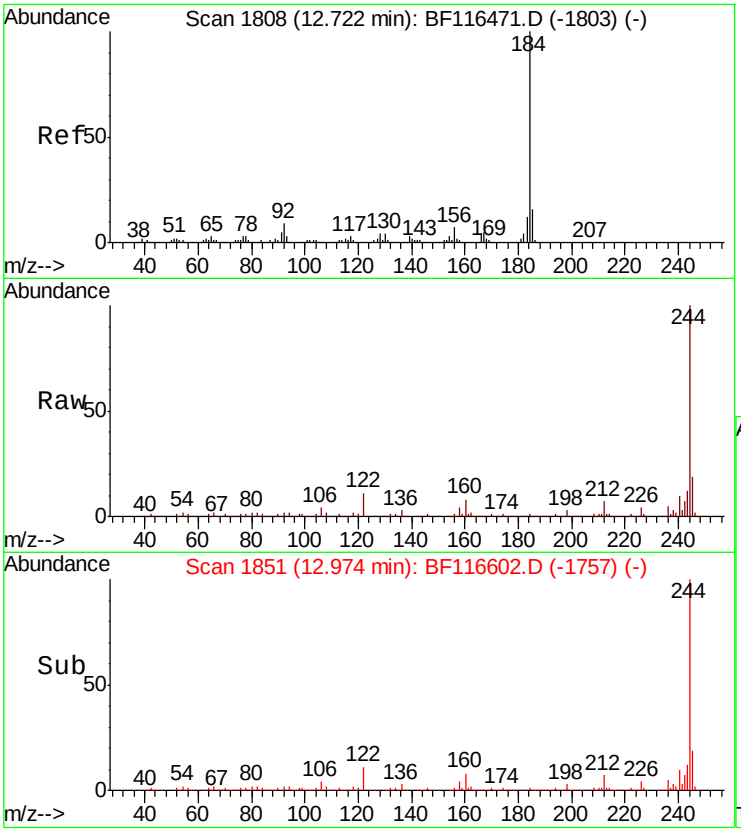




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:240 Resp: 152879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 10.5 | 15.7 |
| 236 | 26.2 | 20.2 | 30.2 |



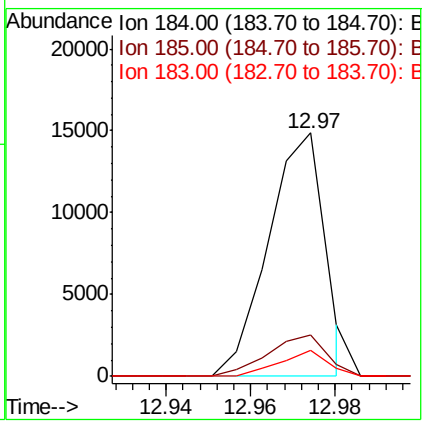


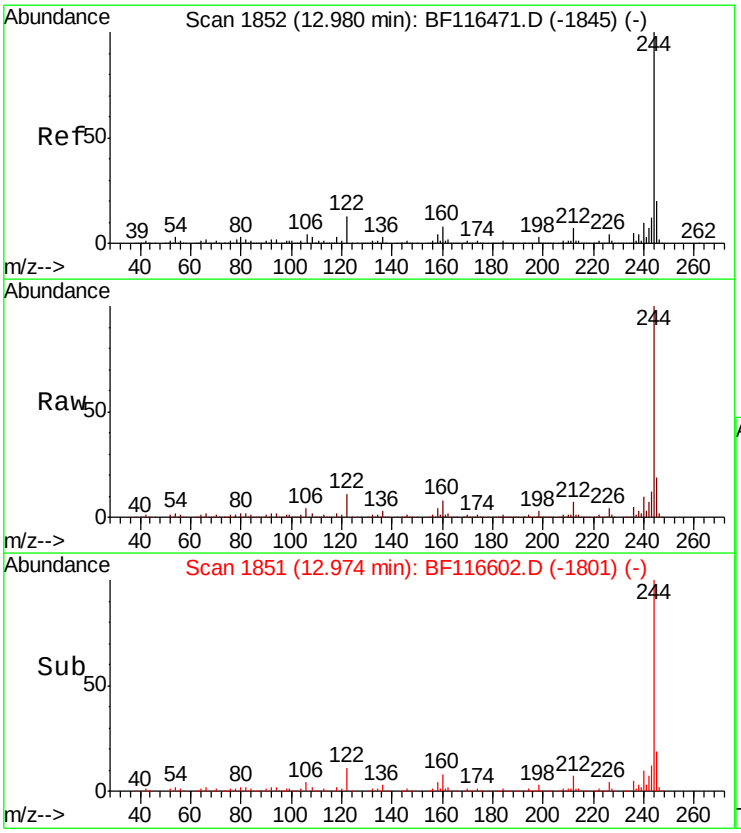

#77
Benzidine
Concen: 2.245 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.25 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:184 Resp: 13808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.0 | 13.0 | 19.4 |
| 183 | 10.5 | 9.8 | 14.6 |

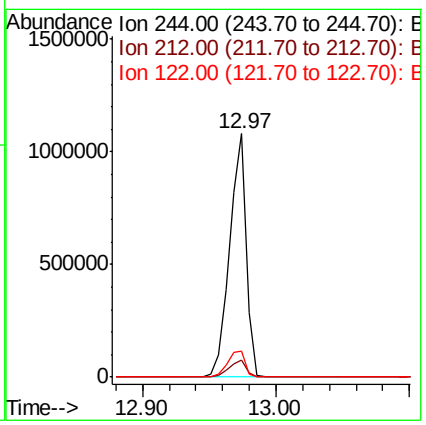


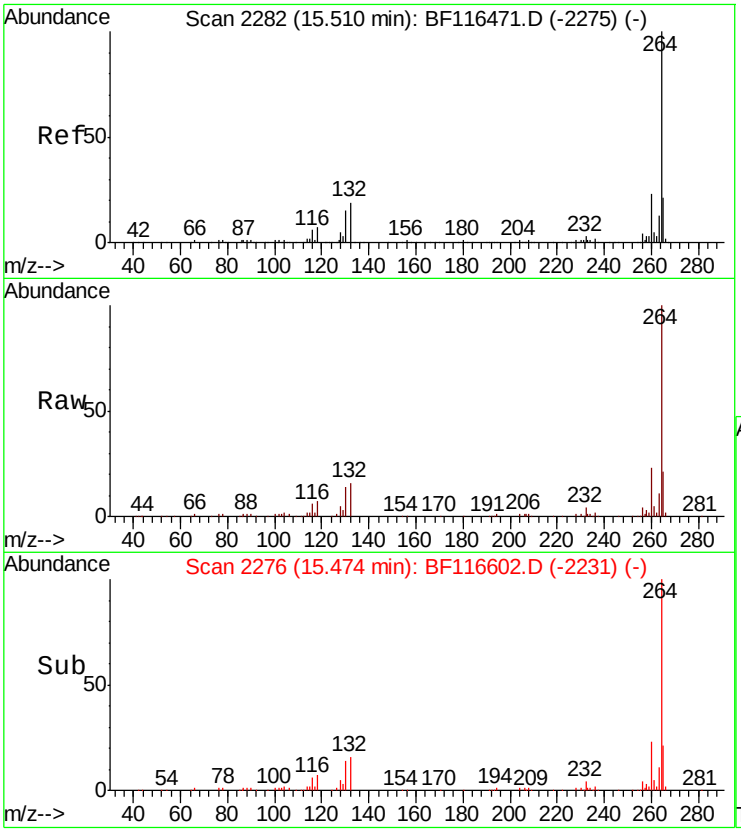




#79
Terphenyl-d14
Concen: 116.227 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:244 Resp: 951267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 10.9 | 10.2 | 15.4 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

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

Tgt Ion:264 Resp: 142024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.8 | 28.2 |
| 265 | 21.3 | 17.1 | 25.7 |