Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111217\

Quantitation Report (Not Reviewed)

Data File : BF100491.D
Acq On : 12 Nov 2017 15:53
Operator : SJ/JU
Sample : I6403-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 110817-JETT-F-U-S

Quant Time: Nov 13 06:20:47 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 128426 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 481693 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 200017 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 312715 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 264331 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.54 | 264 | 184759 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 327697 | 40.90 | ng | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 253491 | 25.66 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 727488 | 99.85 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 151552 | 74.36 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1290828 | 98.27 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 877456 | 76.27 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.46 | 70 | 97428 | 14.22 | ng | # 80 |
| 25) Isophorone | 7.46 | 82 | 725805 | 47.41 | ng | # 64 |
| 47) 2-Nitroaniline | 9.65 | 65 | 113 | 2.81 | ng | # 1 |
| 50) 2,6-Dinitrotoluene | 9.94 | 165 | 25422 | 8.41 | ng | # 24 |
| 56) 2,4-Dinitrotoluene | 9.94 | 165 | 25422 | 6.67 | ng | # 22 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 245 | 8.70 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 9713 | 2.90 | ng | # 1 |

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

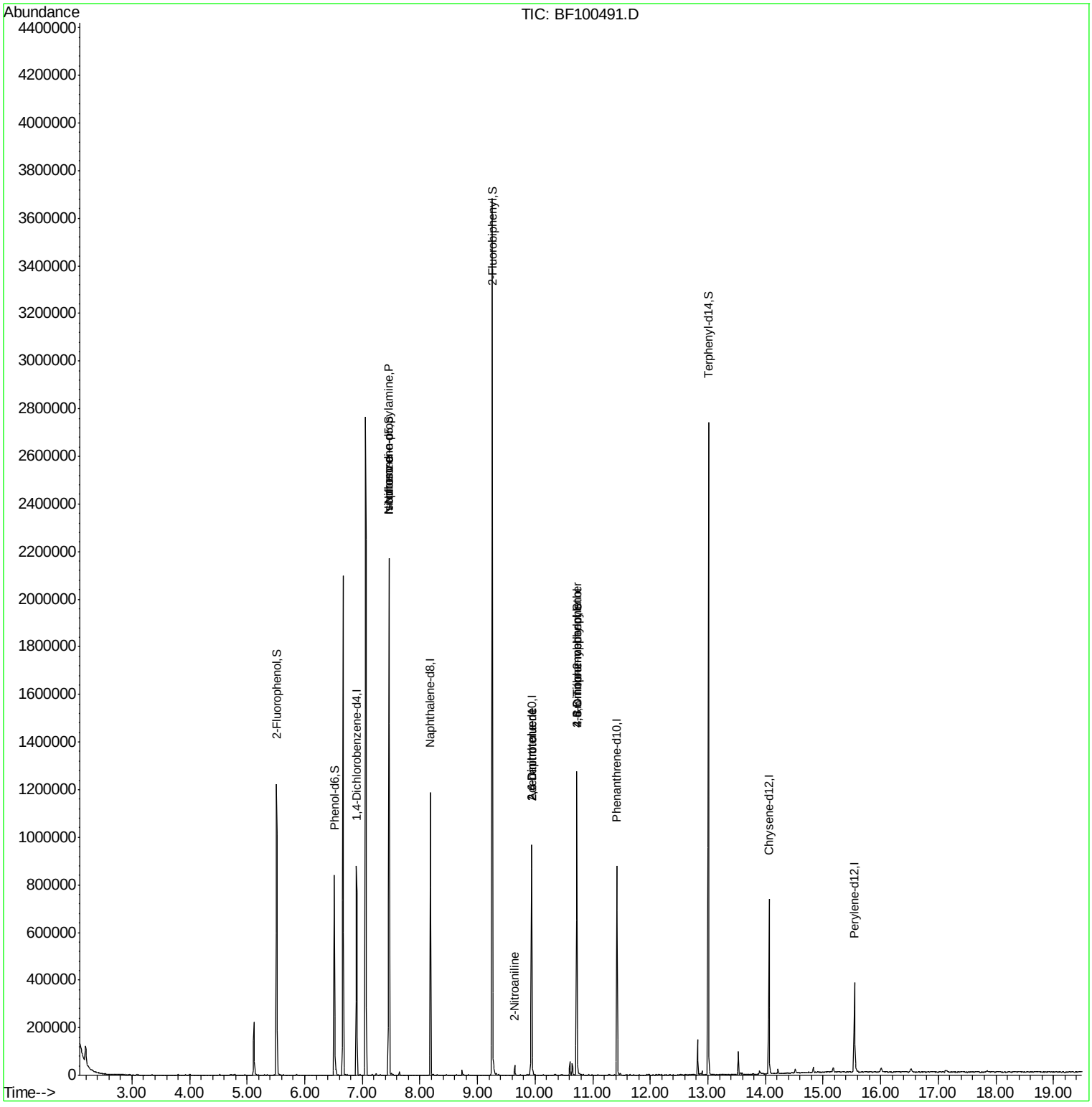
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111217\

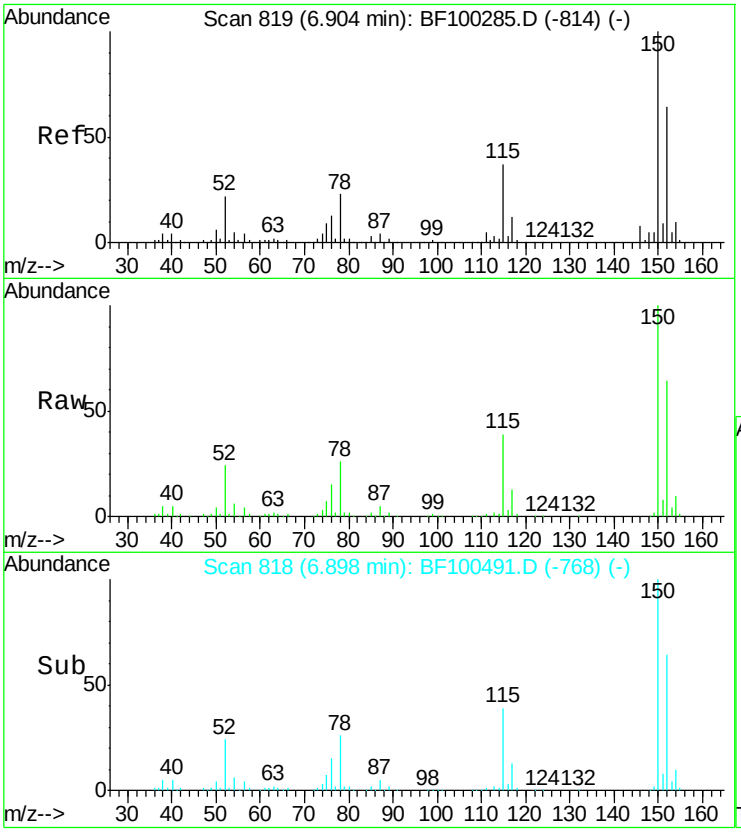
Quantitation Report (Not Reviewed)

Data File : BF100491.D
Acq On : 12 Nov 2017 15:53
Operator : SJ/JU
Sample : I6403-04
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Quant Time: Nov 13 06:20:47 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration



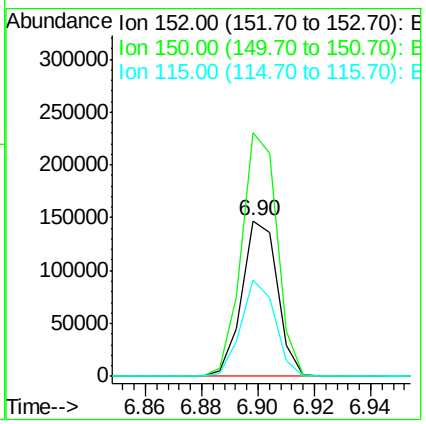


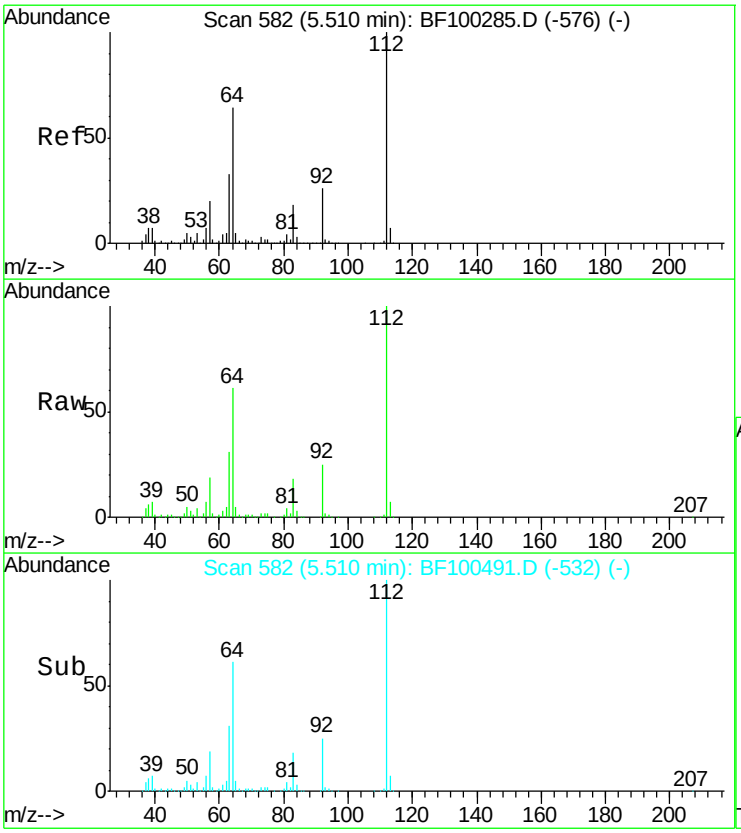

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:152 Resp: 128426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 124.6 | 186.8 |
| 115 | 61.8 | 50.1 | 75.1 |

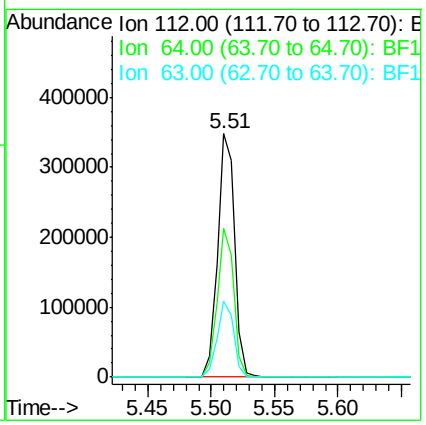


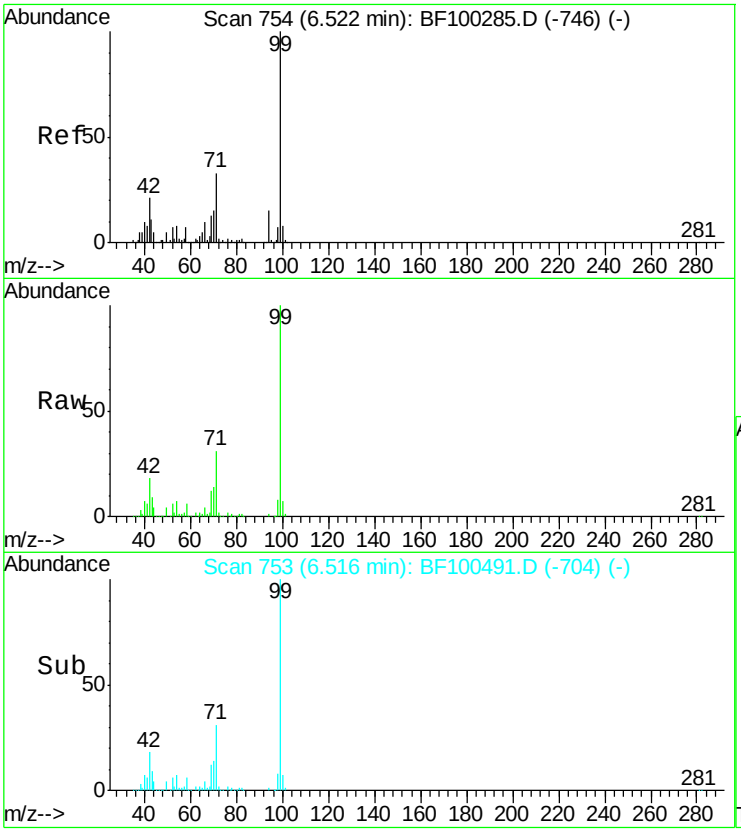




#5
2-Fluorophenol
Concen: 40.90 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:112 Resp: 327697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.1 | 47.9 | 71.9 |
| 63 | 31.4 | 23.7 | 35.5 |



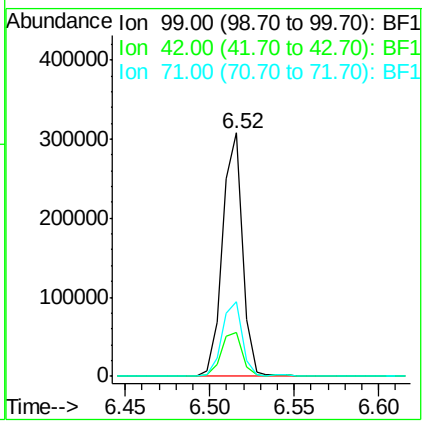


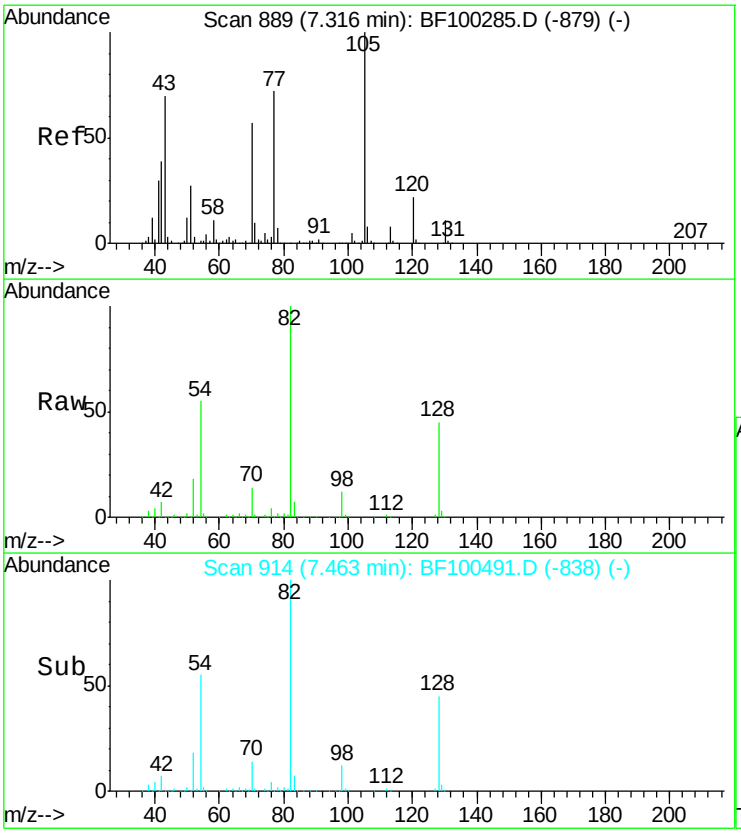

#7
Phenol-d6
Concen: 25.66 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion: 99 Resp: 253491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.1 | 14.5 | 21.7 |
| 71 | 30.7 | 25.4 | 38.0 |

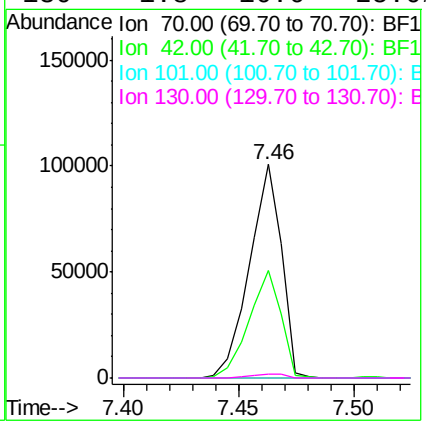


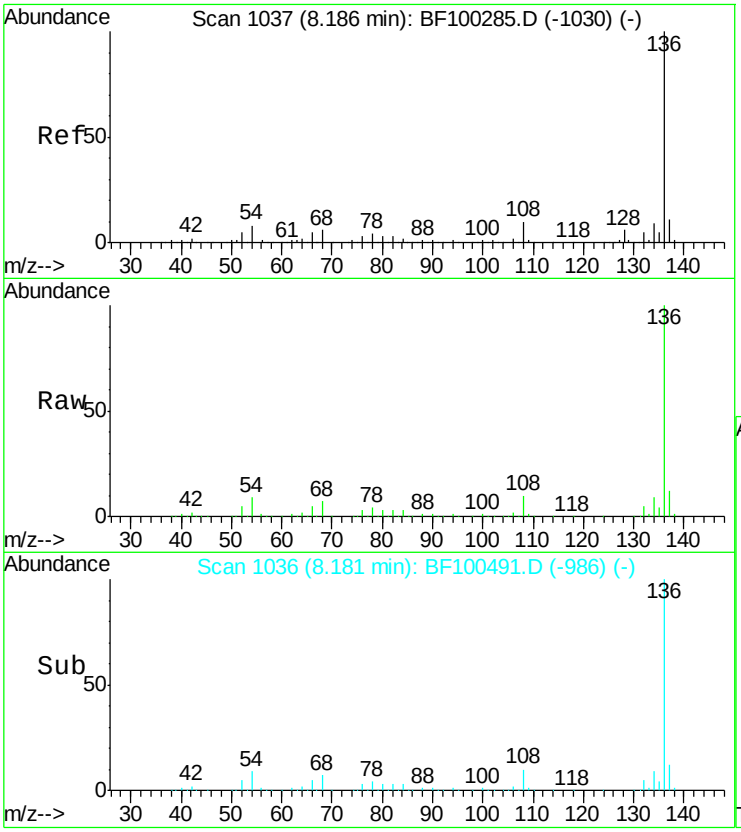




#19
n-Nitroso-di-n-propylamine
Concen: 14.22 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion: 70 Resp: 97428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.5 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.8 | 16.6 | 25.0# |



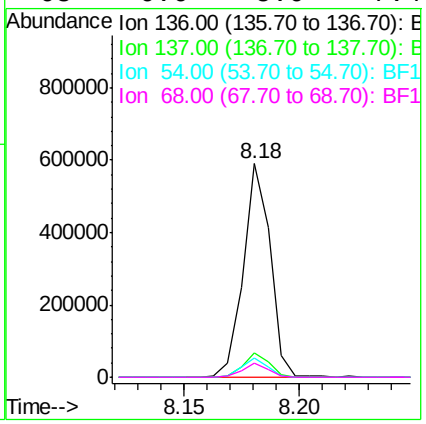


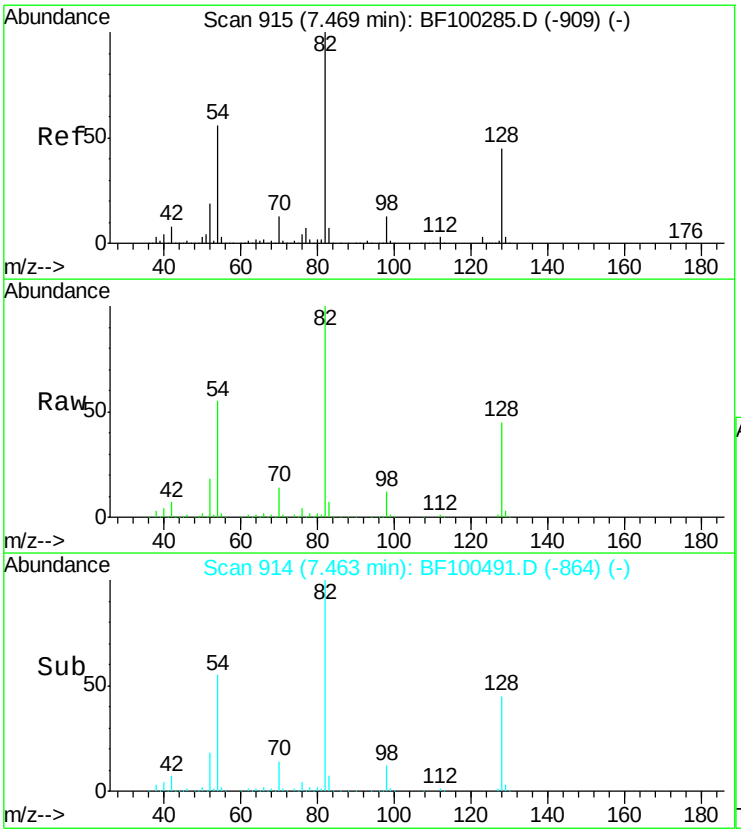

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:136 Resp: 481693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.9 | 13.3 |
| 54 | 8.9 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |

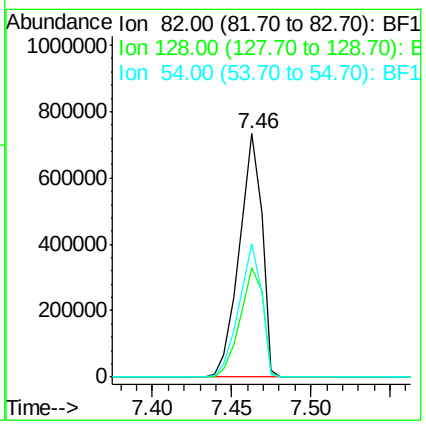


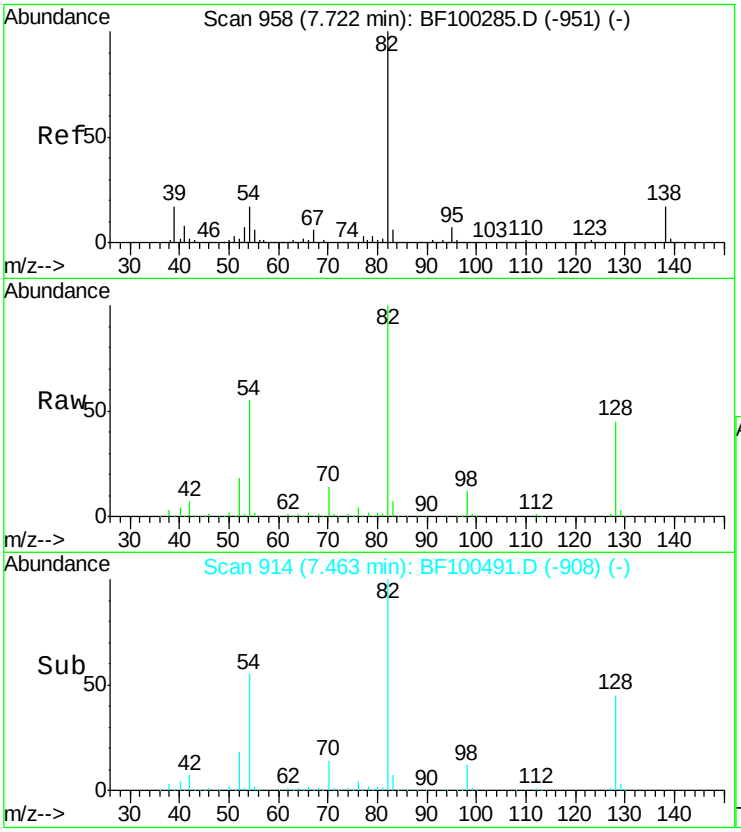




#23
Nitrobenzene-d5
Concen: 99.85 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion: 82 Resp: 727488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.8 | 36.1 | 54.1 |
| 54 | 55.1 | 41.4 | 62.2 |



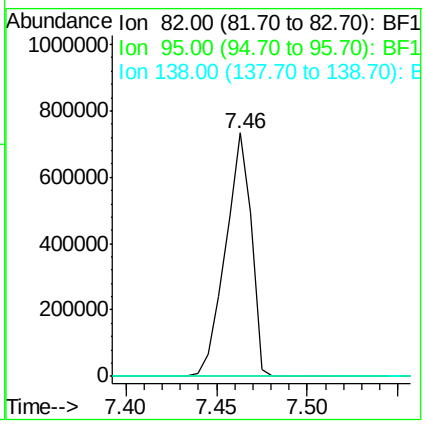


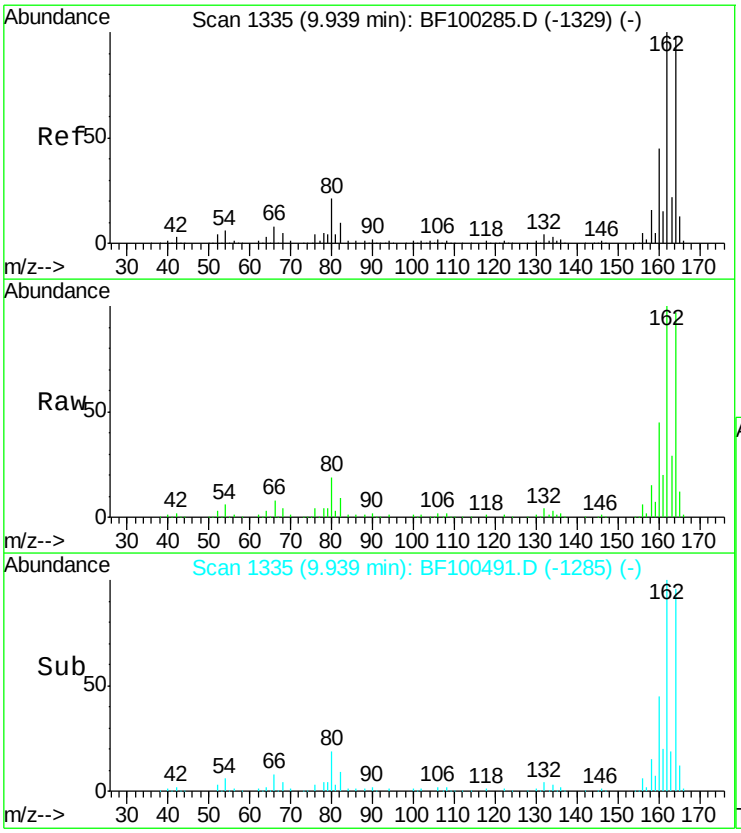

#25
Isophorone
Concen: 47.41 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion: 82 Resp: 725805

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

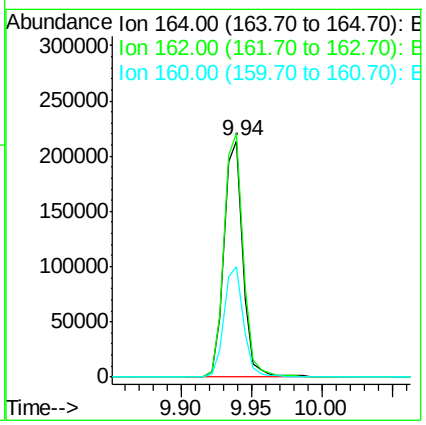


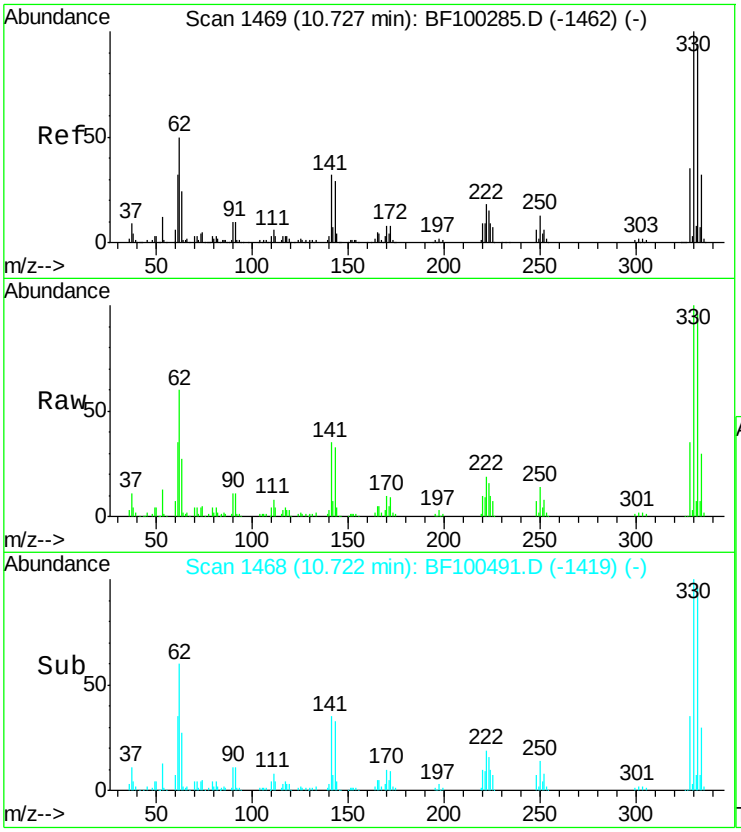




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:164 Resp: 200017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 86.1 | 129.1 |
| 160 | 46.8 | 38.3 | 57.5 |



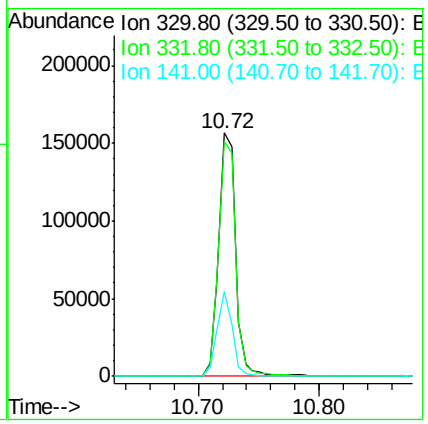


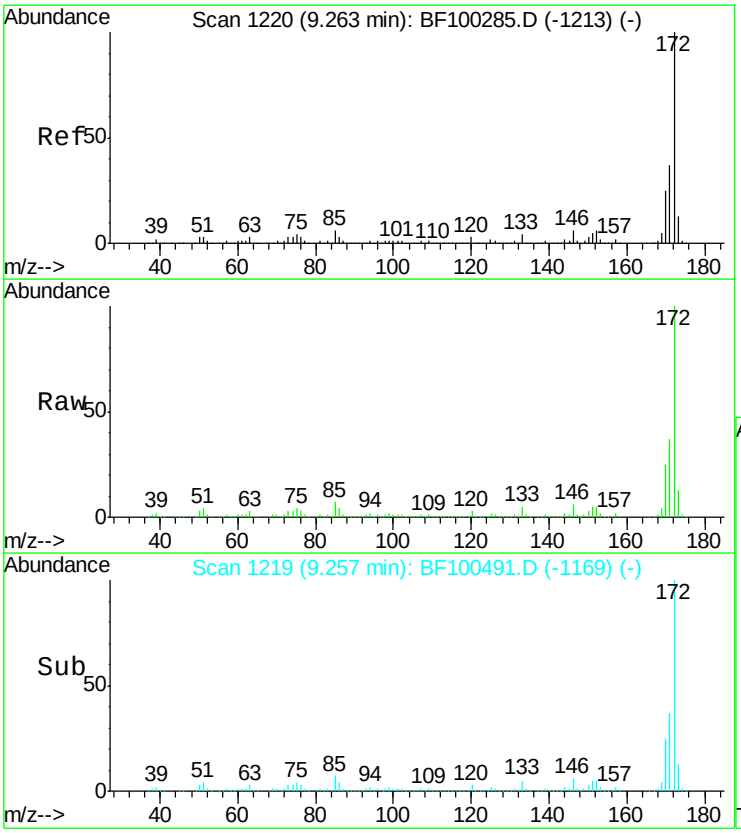

#41
2,4,6-Tribromophenol
Concen: 74.36 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:330 Resp: 151552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.0 | 115.6 |
| 141 | 31.5 | 29.9 | 44.9 |

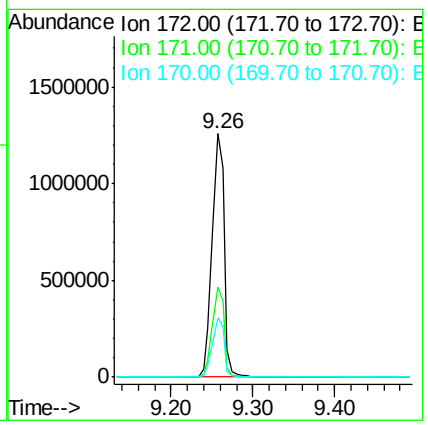


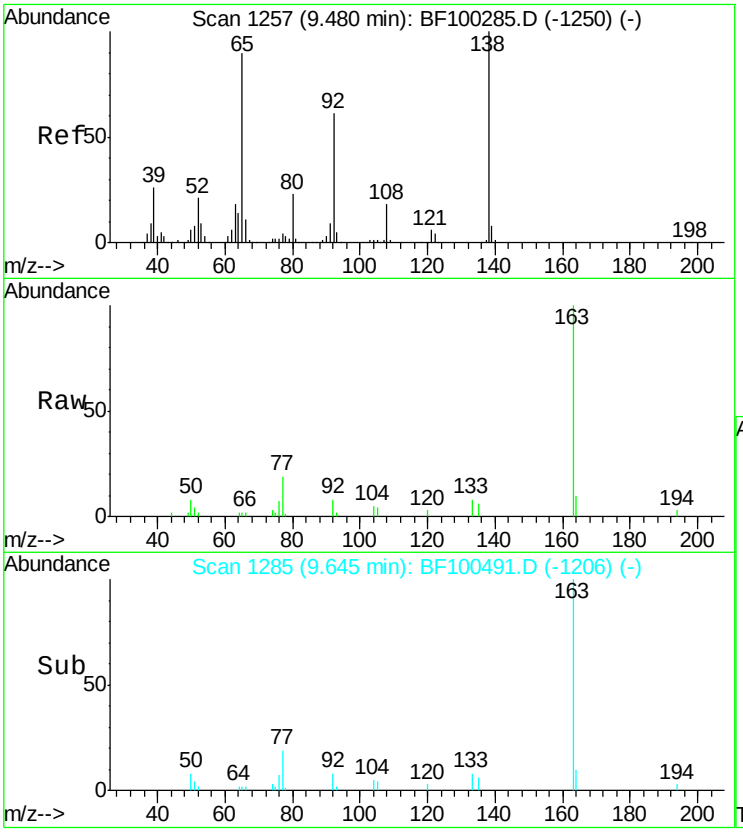




#44
2-Fluorobiphenyl
Concen: 98.27 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:172 Resp: 1290828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.7 | 44.5 |
| 170 | 24.6 | 19.6 | 29.4 |



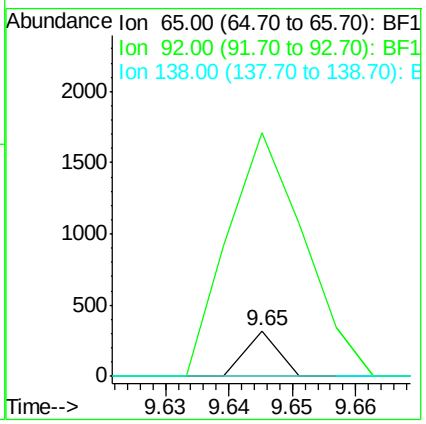


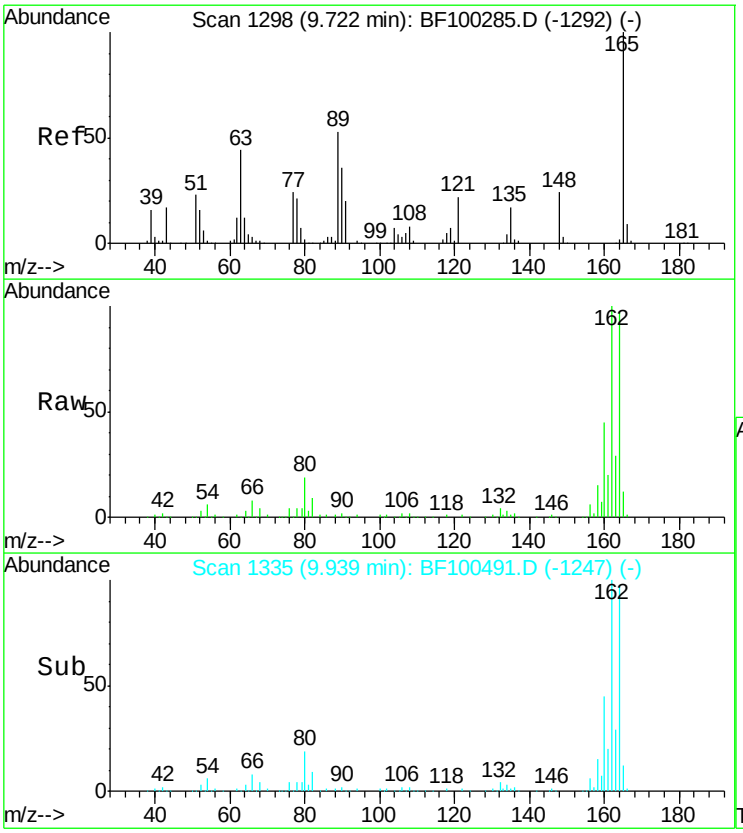

#47
2-Nitroaniline
Concen: 2.81 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion: 65 Resp: 113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 532.7 | 55.8 | 83.6# |
| 138 | 0.0 | 91.2 | 136.8# |

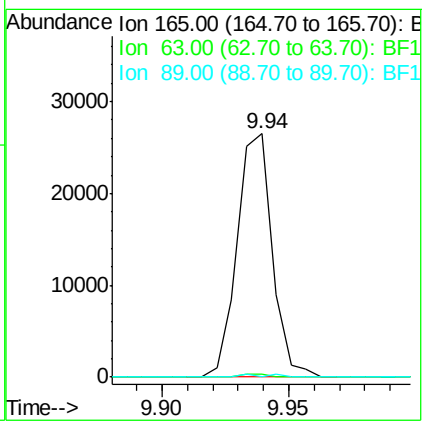


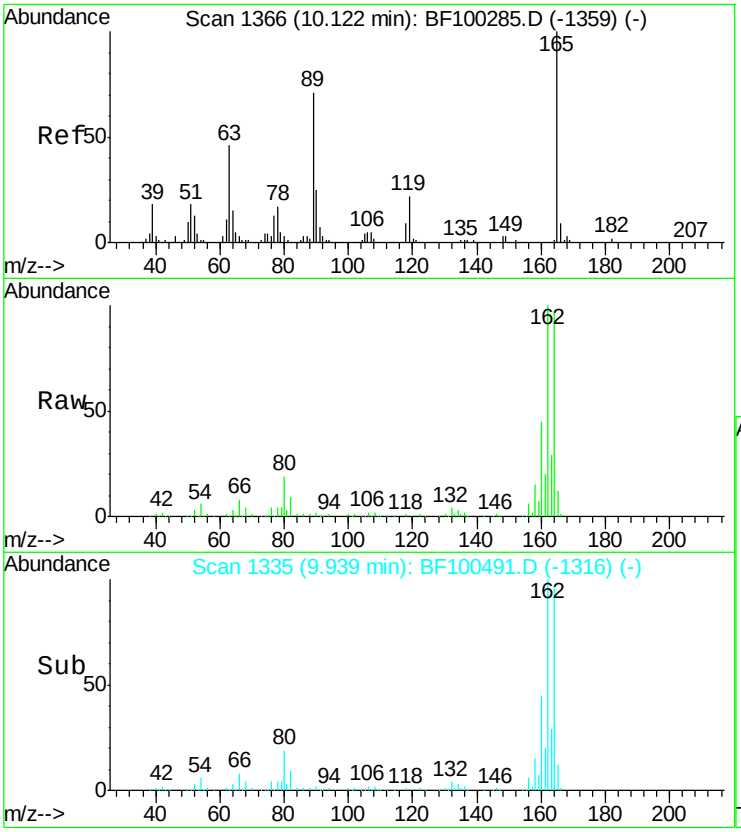




#50
2,6-Dinitrotoluene
Concen: 8.41 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:165 Resp: 25422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |



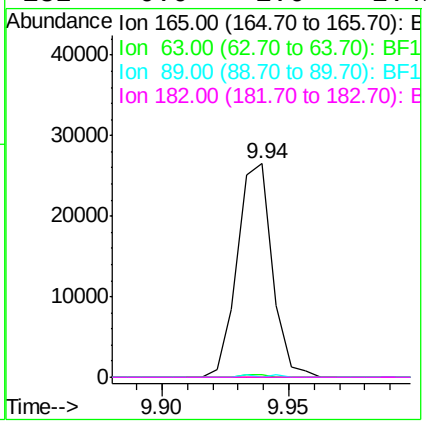


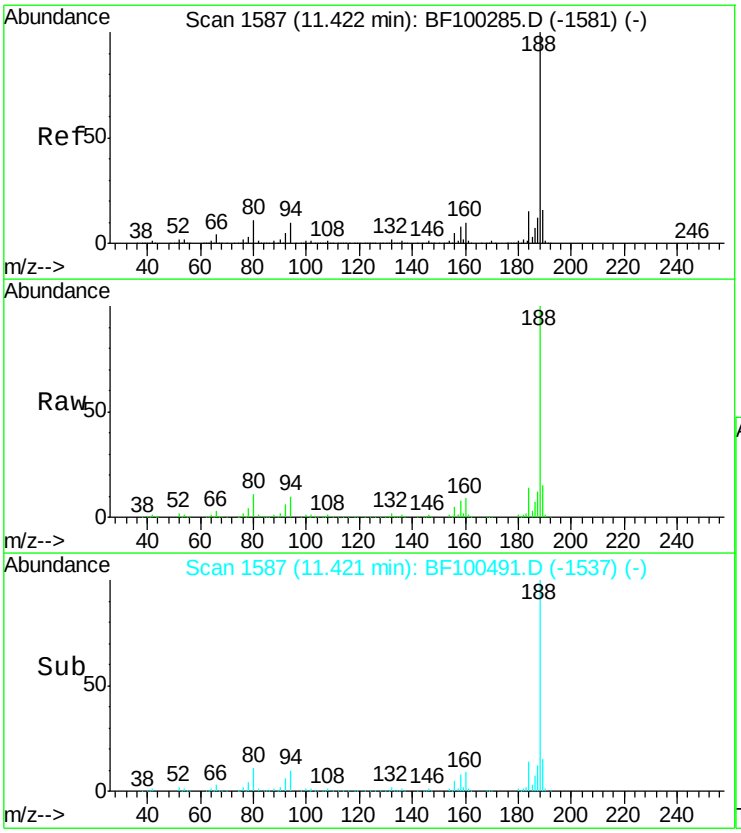

#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.19 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:165 Resp: 25422

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

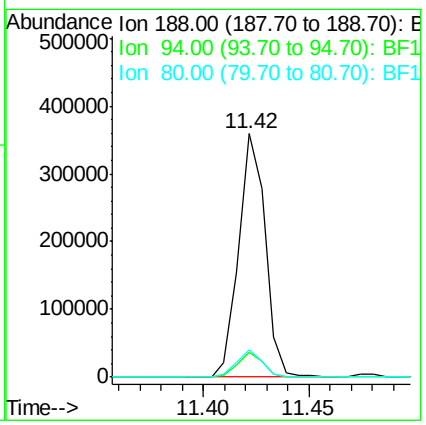


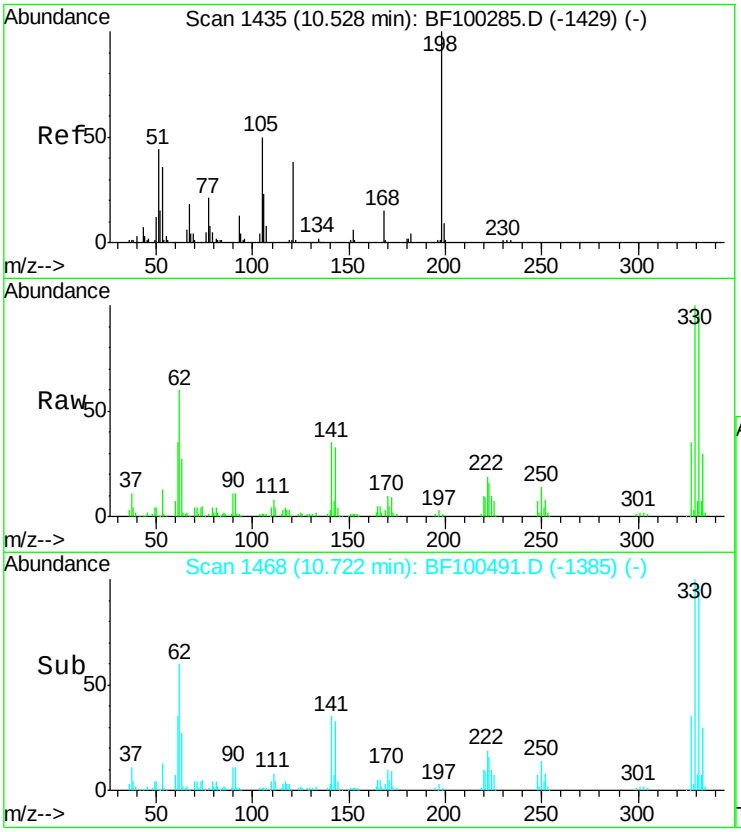




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:188 Resp: 312715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.5 | 12.7 |
| 80 | 11.3 | 9.2 | 13.8 |



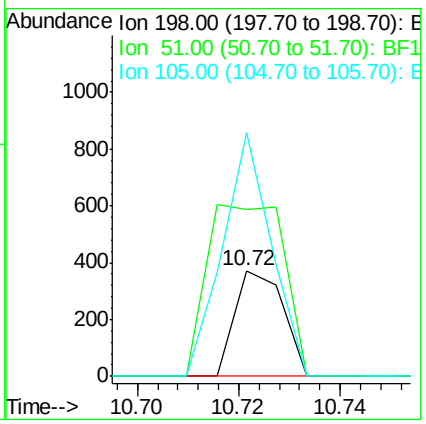


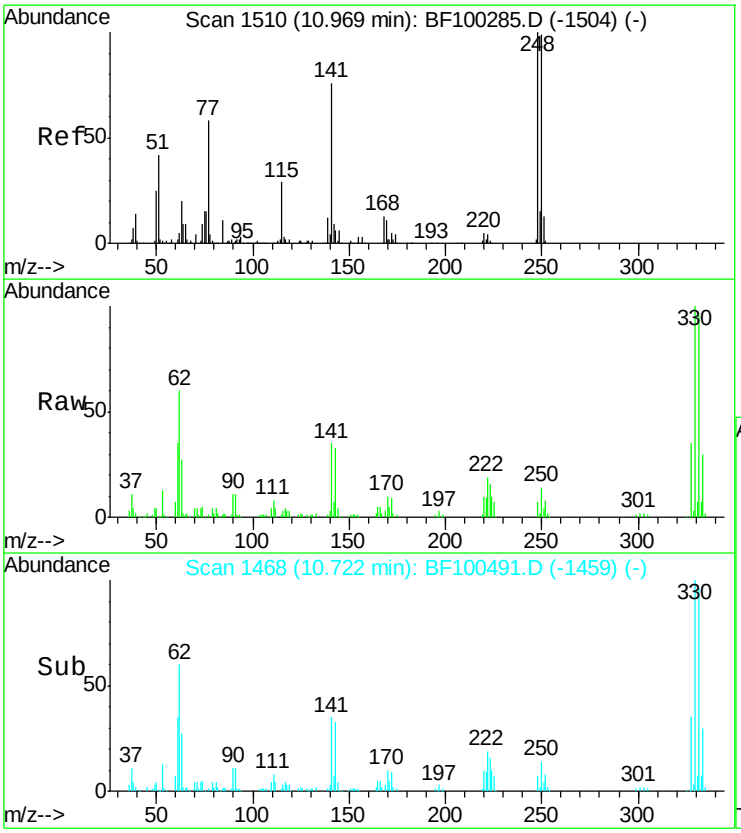

#64
4,6-Dinitro-2-methylphenol
Concen: 8.70 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:198 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 157.5 | 37.7 | 77.7# |
| 105 | 230.4 | 36.3 | 76.3# |

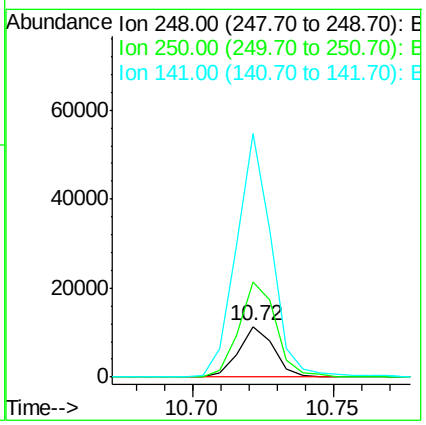


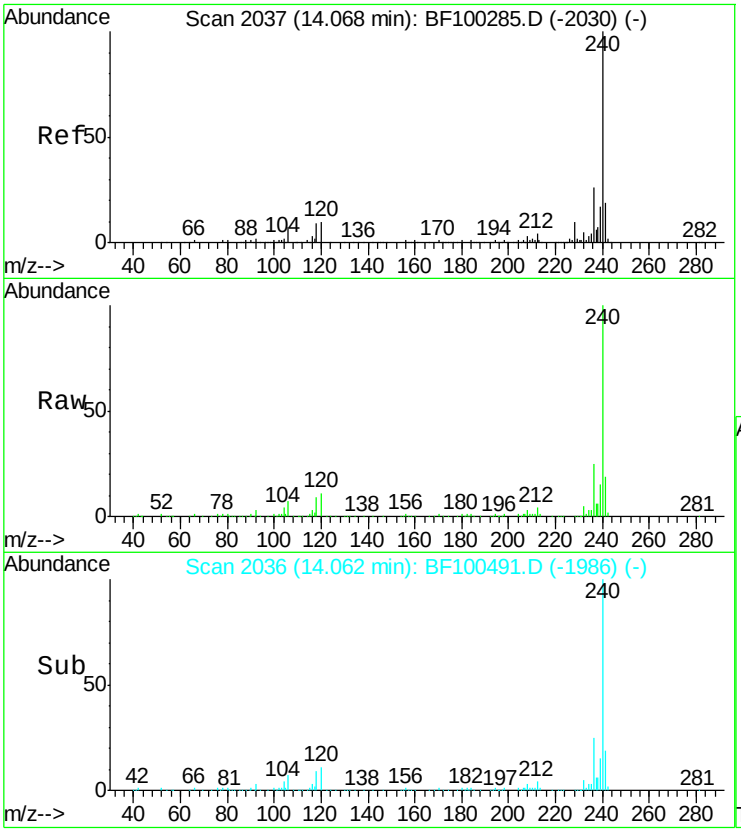




#66
4-Bromophenyl-phenylether
Concen: 2.90 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:248 Resp: 9713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.4 | 76.9 | 115.3# |
| 141 | 482.7 | 74.4 | 111.6# |



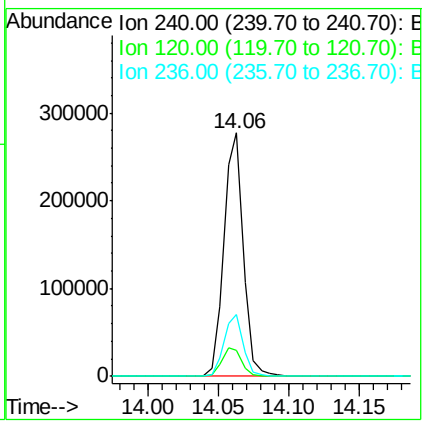


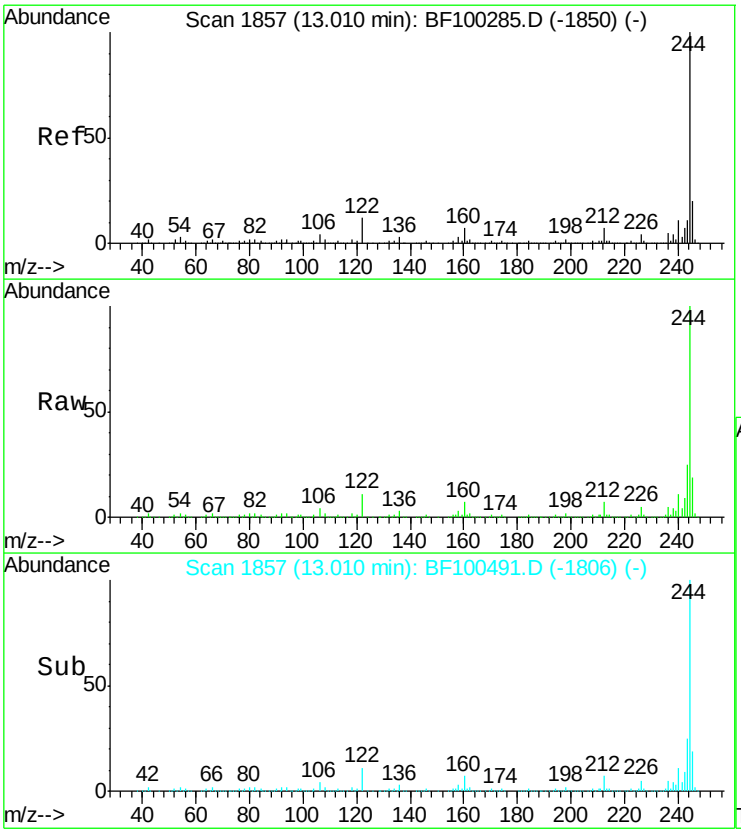

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:240 Resp: 264331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.7 | 9.5 | 14.3 |
| 236 | 25.4 | 20.7 | 31.1 |

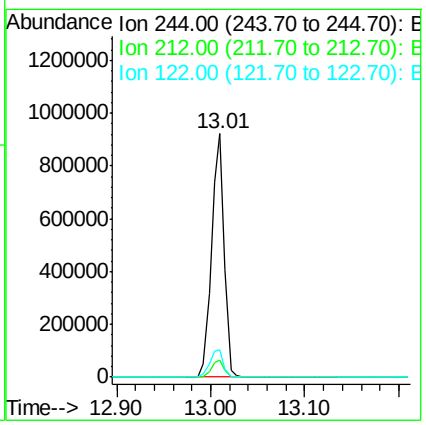


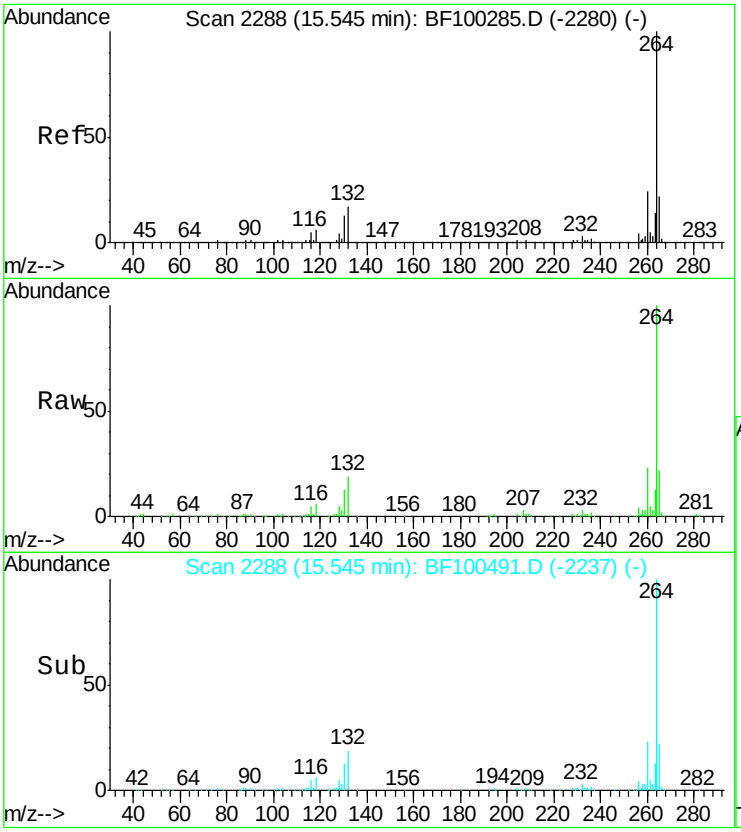




#78
Terphenyl-d14
Concen: 76.27 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

Tgt Ion:244 Resp: 877456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 11.5 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF100491.D
Acq: 12 Nov 2017 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
110817-JETT-F-U-S

Tgt Ion:264 Resp: 184759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 19.2 | 28.8 |
| 265 | 21.6 | 17.5 | 26.3 |