Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111280.D
Acq On : 11 Dec 2018 15:53
Operator : JU/SJ
Sample : J6327-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 11 17:04:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 01:15:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 308468 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 1361283 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 502160 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 695822 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 424000 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.40 | 264 | 324077 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 1964528 | 100.57 | ng | | 0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 2517635 | 103.71 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 1822163 | 75.08 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 362346 | 81.46 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 2903252 | 109.84 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 1958066 | 110.77 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.43 | 77 | 5575 | Below Cal | | # | 1 |
| 10) Phenol | 6.45 | 94 | 148552 | 5.233 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 245789 | 15.114 | ng | # | 79 |
| 25) Isophorone | 7.36 | 82 | 1804041 | 43.642 | ng | # | 64 |
| 46) 1,1'-Biphenyl | 9.26 | 154 | 7186 | Below Cal | | | 95 |
| 50) Dimethylphthalate | 9.55 | 163 | 245212 | 6.618 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.83 | 165 | 65588 | 8.016 | ng | # | 29 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 65588 | 6.502 | ng | # | 25 |
| 67) 4-Bromophenyl-phenylether | 10.62 | 248 | 23679 | 3.107 | ng | # | 1 |
| 77) Benzidine | 12.90 | 184 | 25233 | 2.004 | ng | | 97 |

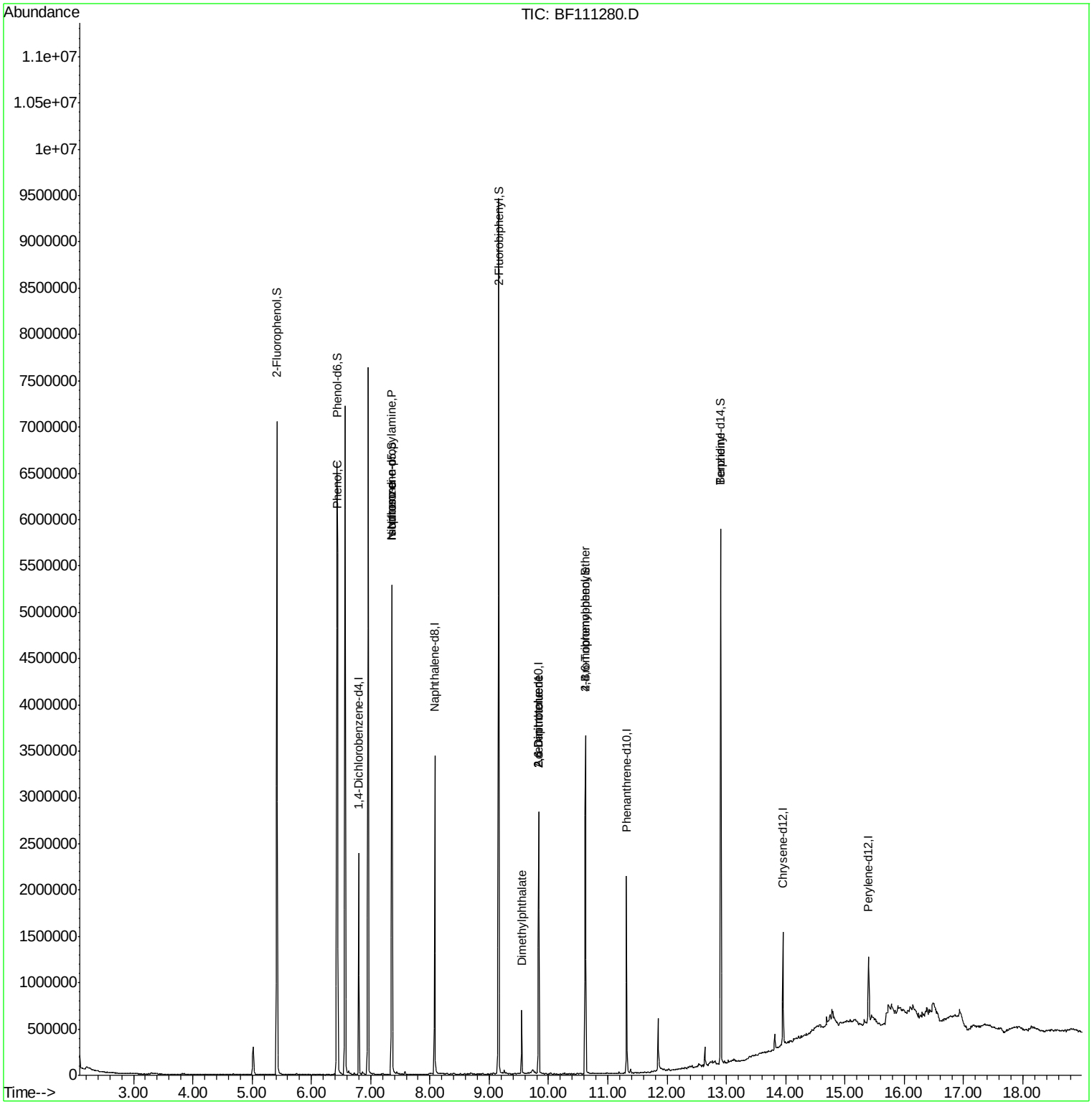
(#) = qualifier out of range (m) = manual integration (+) = signals summed

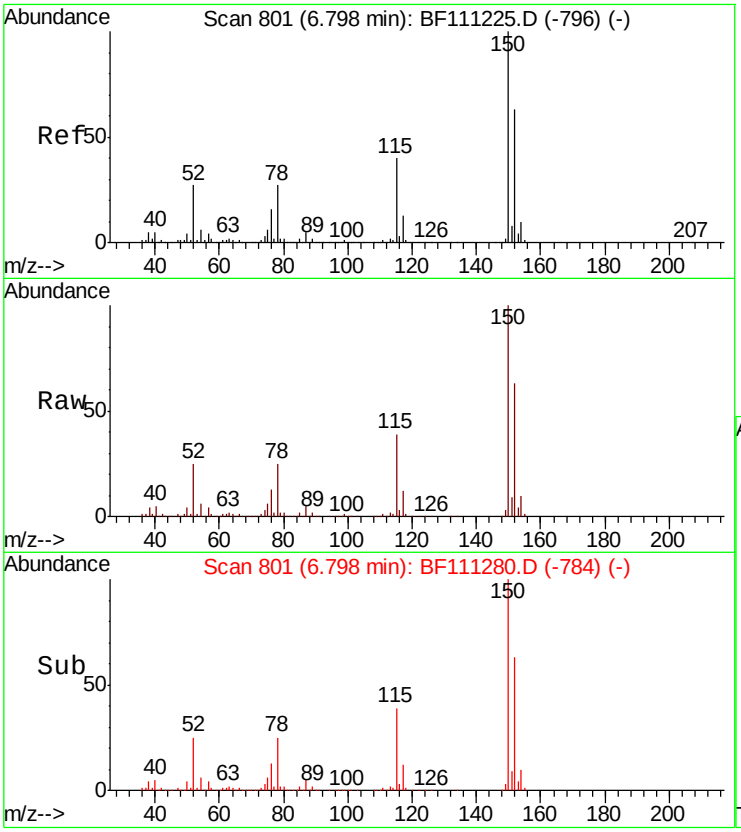
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111280.D
Acq On : 11 Dec 2018 15:53
Operator : JU/SJ
Sample : J6327-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 11 17:04:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 01:15:27 2018
Response via : Initial Calibration



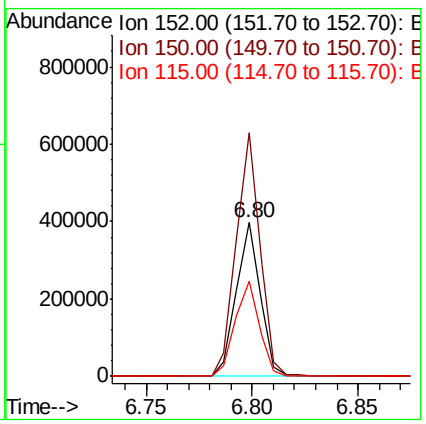


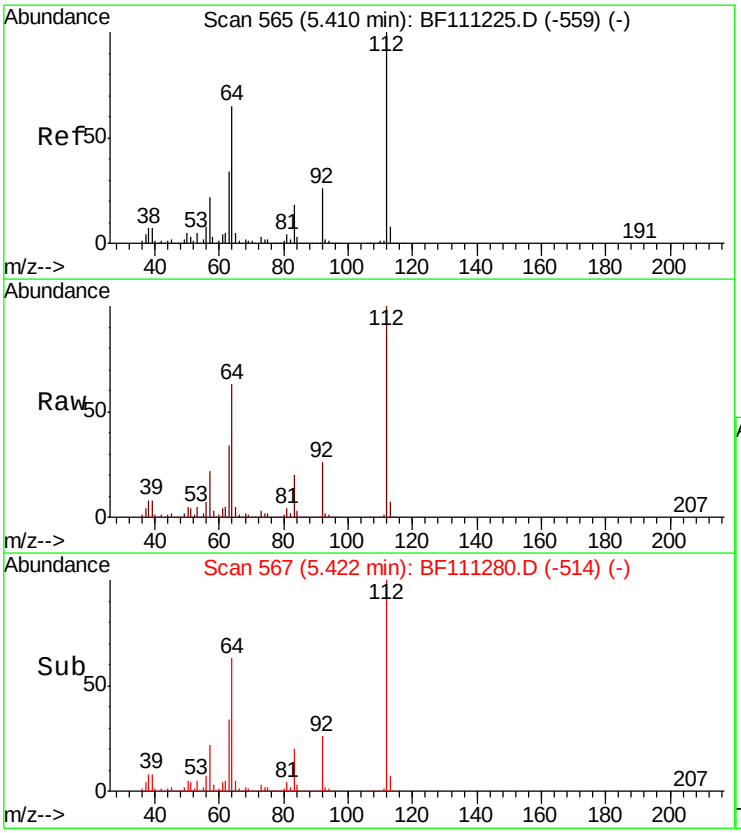

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:152 Resp: 308468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.2 | 126.6 | 189.8 |
| 115 | 61.8 | 50.7 | 76.1 |

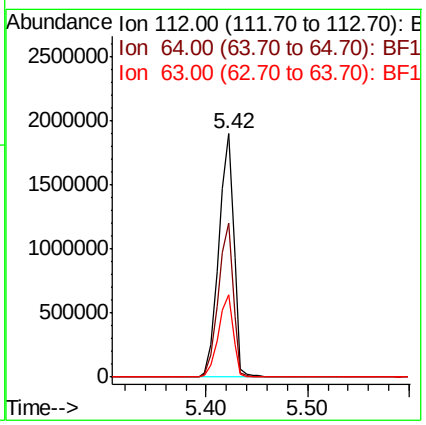


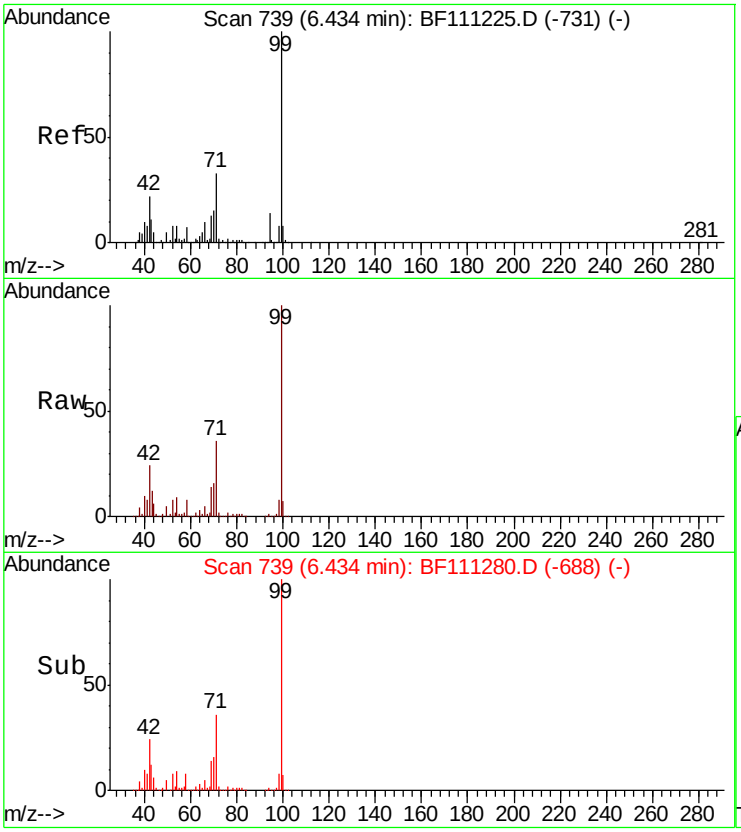




#5
2-Fluorophenol
Concen: 100.566 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:112 Resp: 1964528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 51.8 | 77.6 |
| 63 | 33.8 | 26.8 | 40.2 |



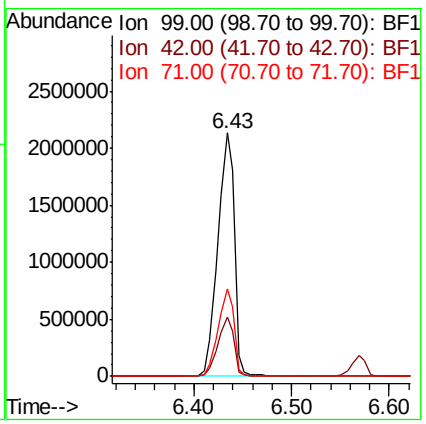


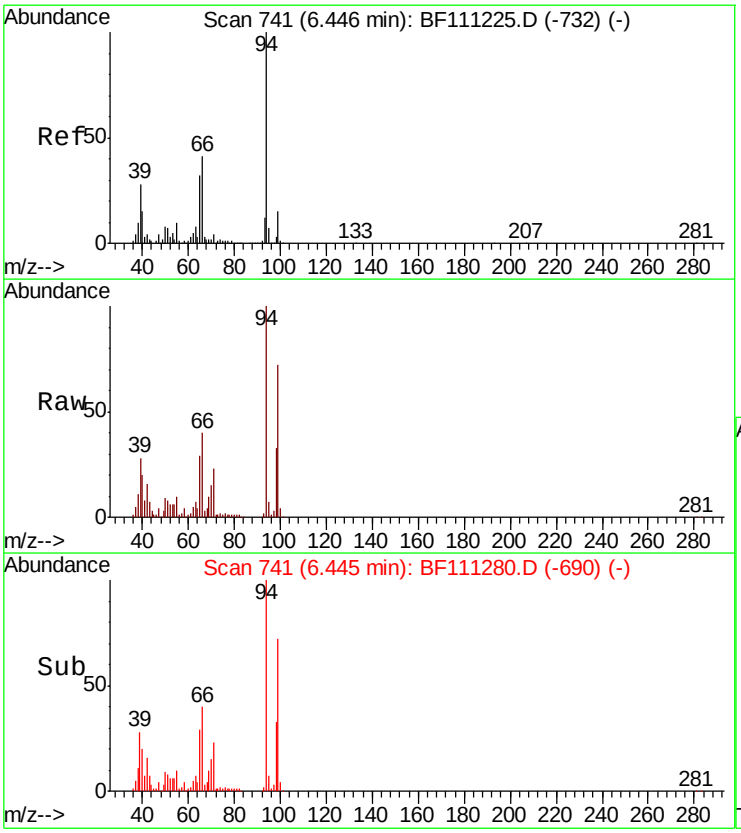

#7
Phenol-d6
Concen:  103.705 ng
RT: 6.43 min  Scan# 739
Delta R.T.  -0.00 min
Lab File:  BF111280.D
Acq: 11 Dec 2018  15:53

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

Tgt Ion: 99 Resp: 2517635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.1 | 17.4 | 26.0 |
| 71 | 36.0 | 26.1 | 39.1 |

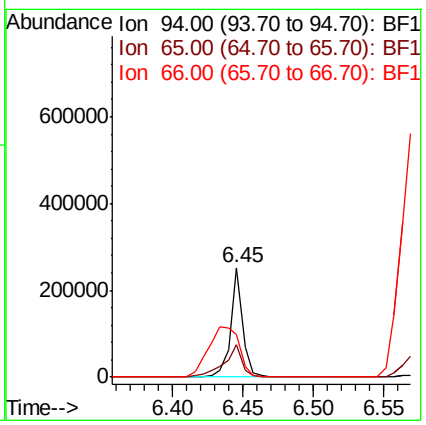


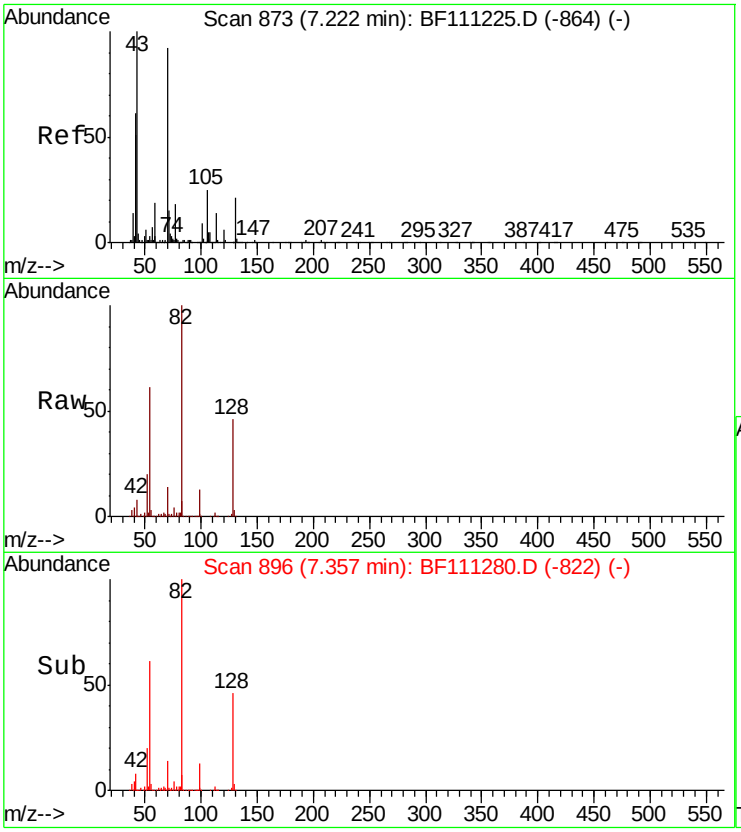




#10
Phenol
Concen:  5.233 ng
RT: 6.45 min  Scan# 741
Delta R.T.  -0.00 min
Lab File:  BF111280.D
Acq: 11 Dec 2018  15:53

Tgt Ion: 94 Resp:  148552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.1 | 11.7 | 51.7 |
| 66 | 39.6 | 21.0 | 61.0 |



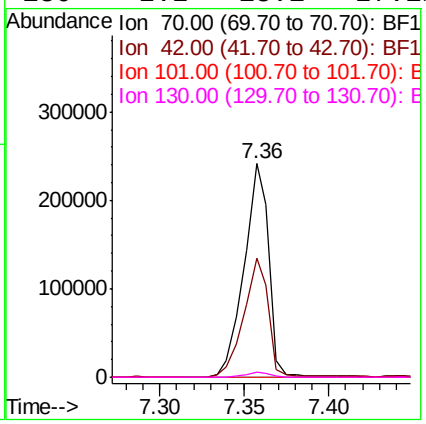


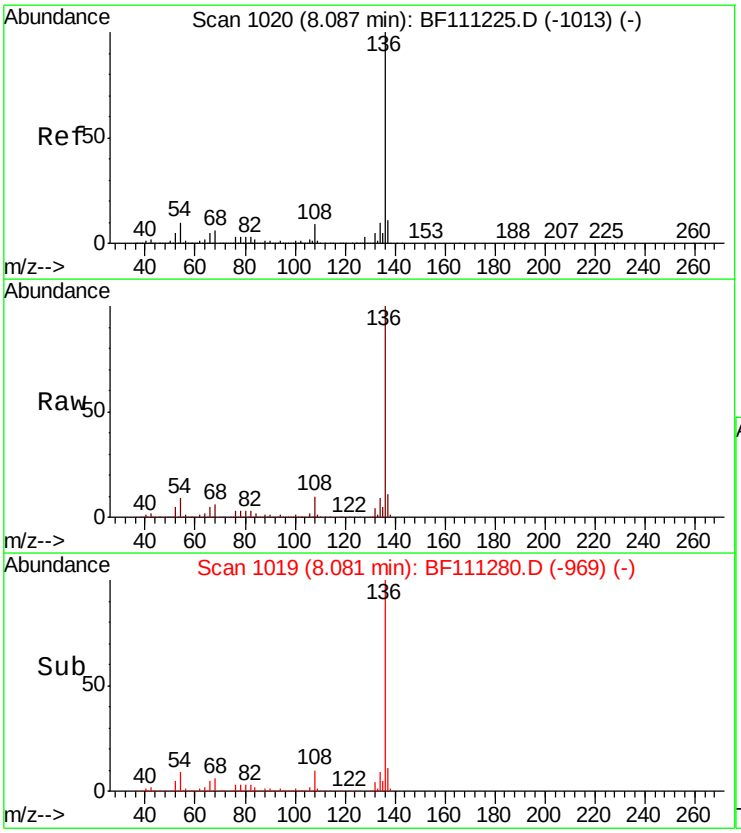

#19
n-Nitroso-di-n-propylamine
Concen: 15.114 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion: 70 Resp: 245789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.8 | 53.2 | 79.8 |
| 101 | 0.0 | 8.2 | 12.4# |
| 130 | 2.2 | 18.1 | 27.1# |

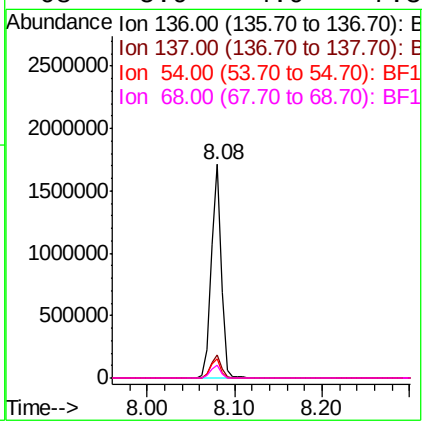


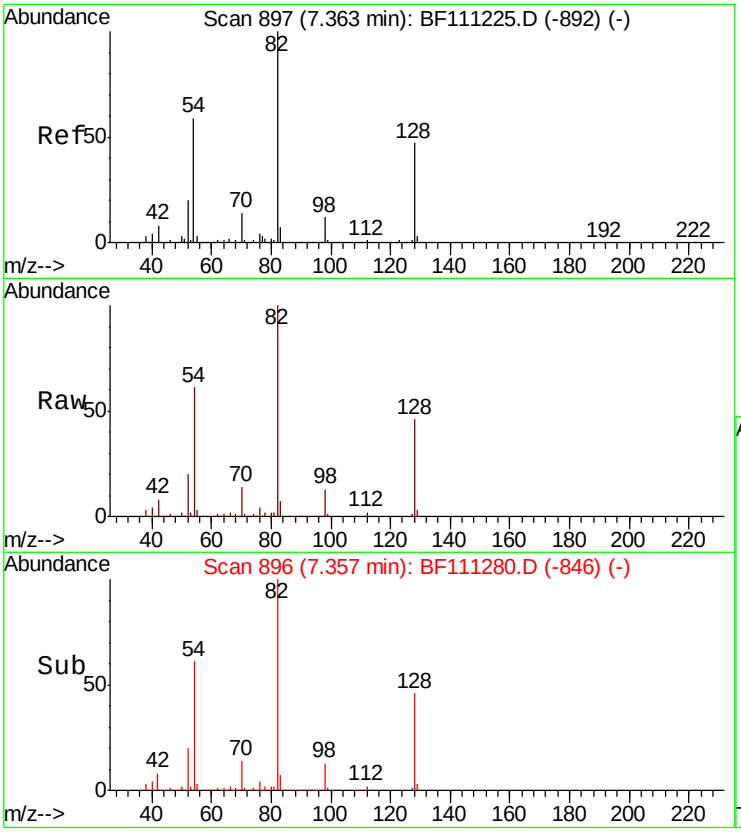




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:136 Resp: 1361283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.1 | 13.7 |
| 54 | 8.9 | 7.7 | 11.5 |
| 68 | 5.9 | 4.9 | 7.3 |



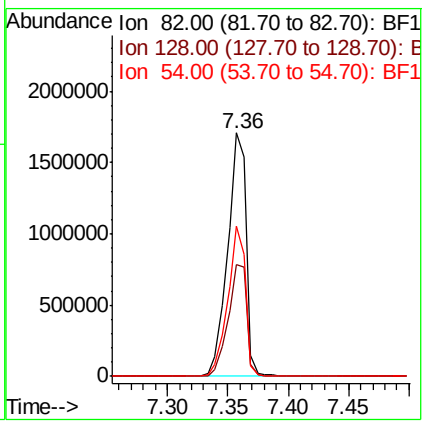


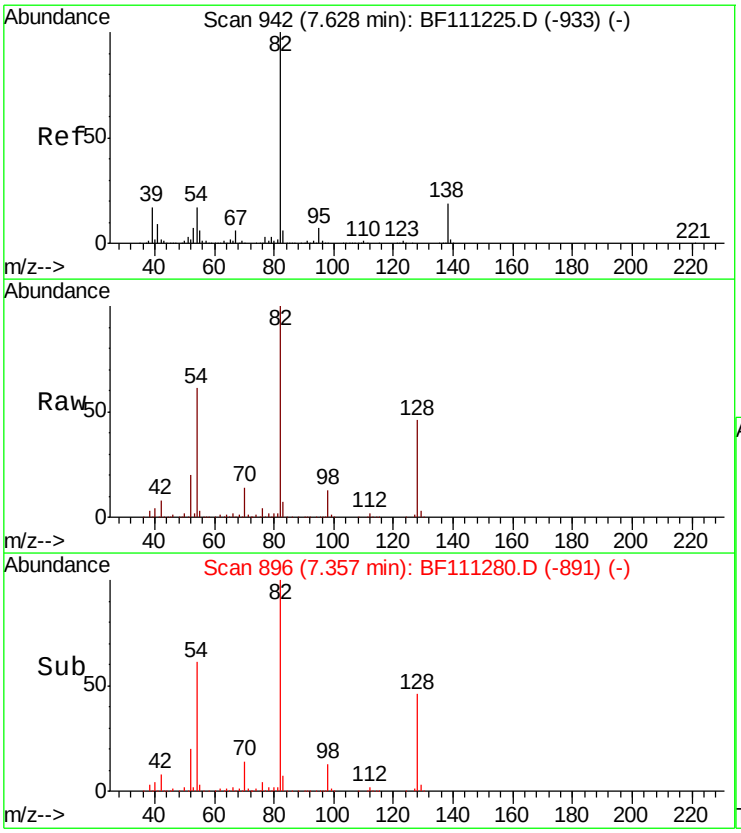

#23
Nitrobenzene-d5
Concen: 75.078 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion: 82 Resp: 1822163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.0 | 37.4 | 56.2 |
| 54 | 61.5 | 47.6 | 71.4 |

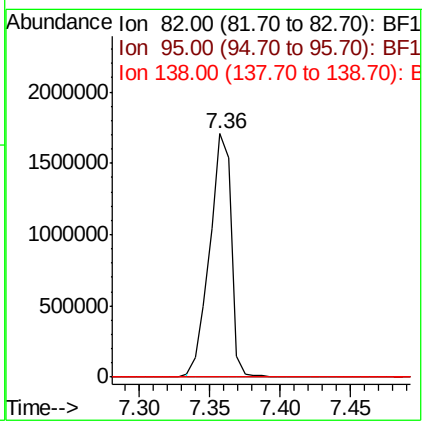


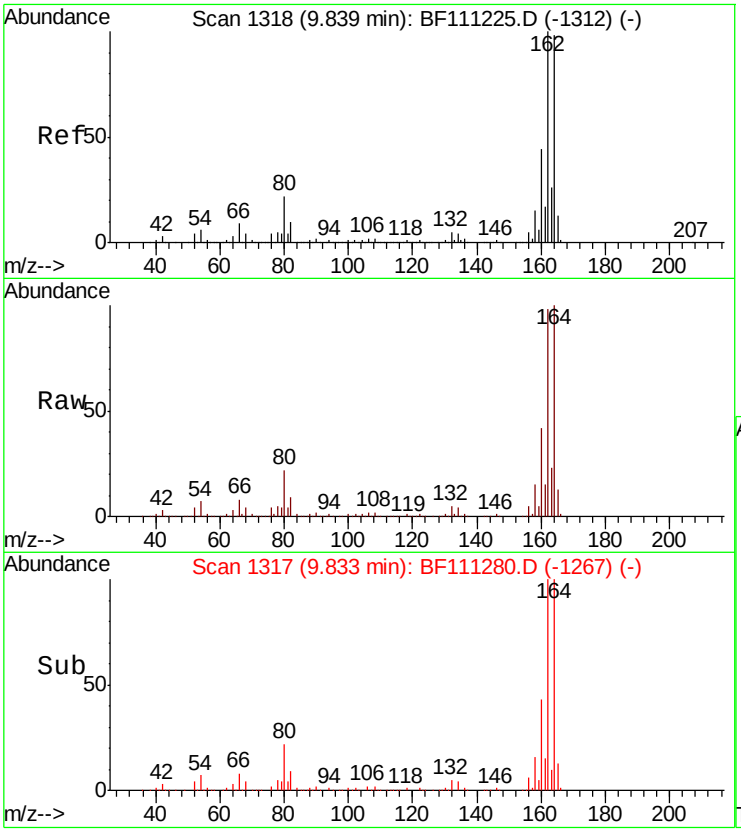




#25
Isophorone
Concen: 43.642 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion: 82 Resp: 1804041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 15.1 | 22.7# |



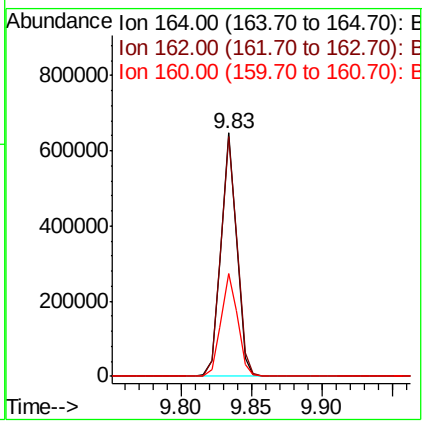


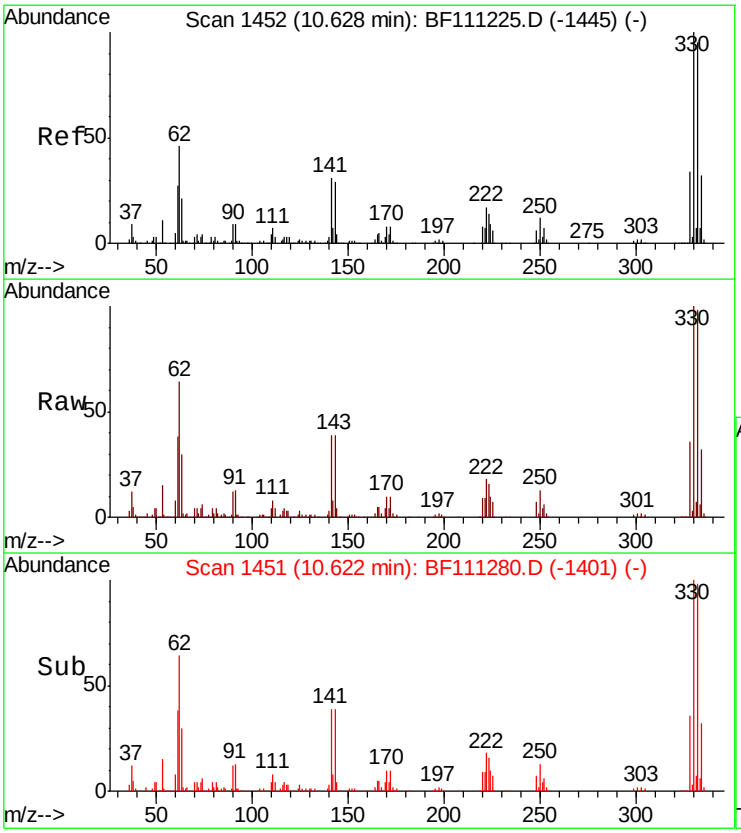

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:164 Resp: 502160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.4 | 81.4 | 122.0 |
| 160 | 42.4 | 35.7 | 53.5 |

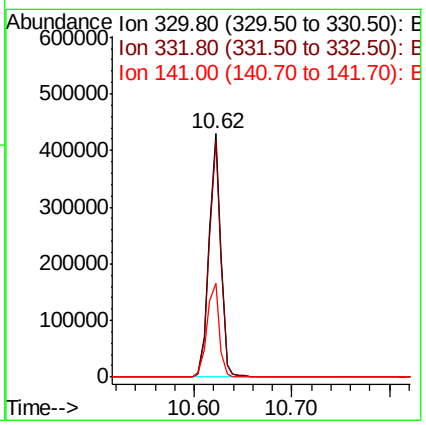


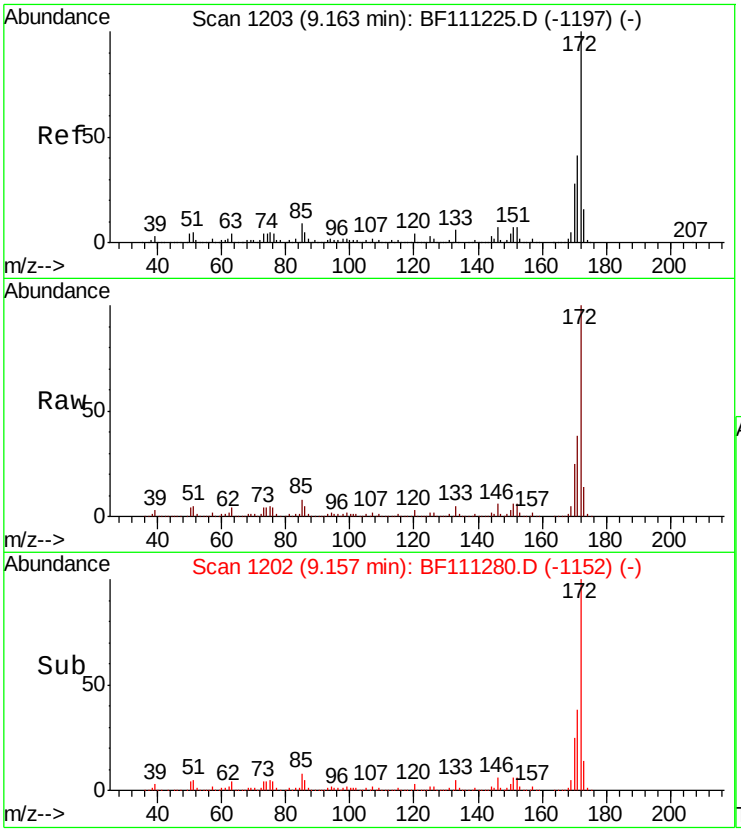




#42
2,4,6-Tribromophenol
Concen: 81.459 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:330 Resp: 362346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.0 | 114.0 |
| 141 | 40.2 | 31.0 | 46.6 |



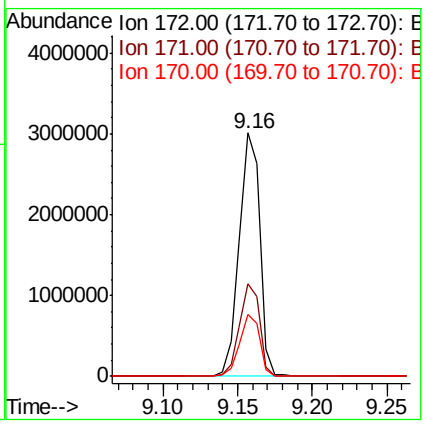


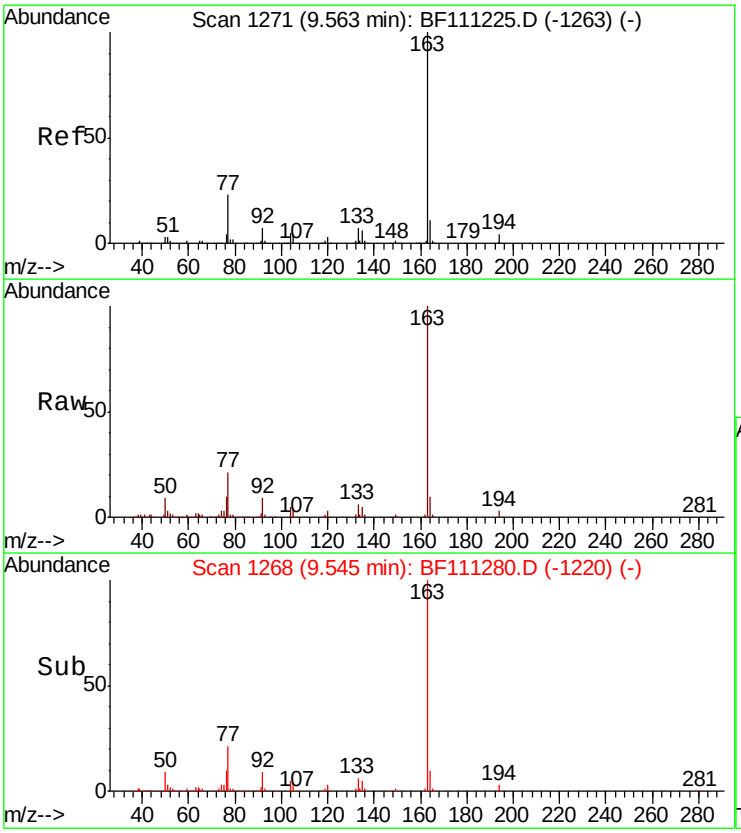

#45
2-Fluorobiphenyl
Concen: 109.843 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:172 Resp: 2903252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.8 | 33.0 | 49.4 |
| 170 | 25.4 | 22.3 | 33.5 |

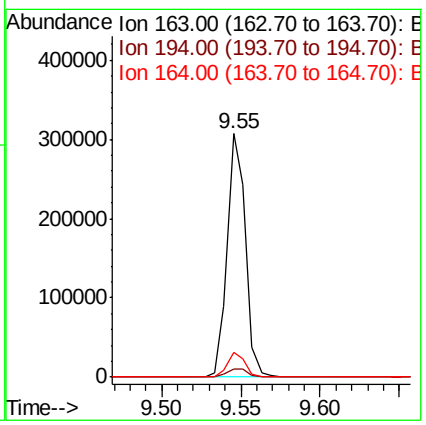


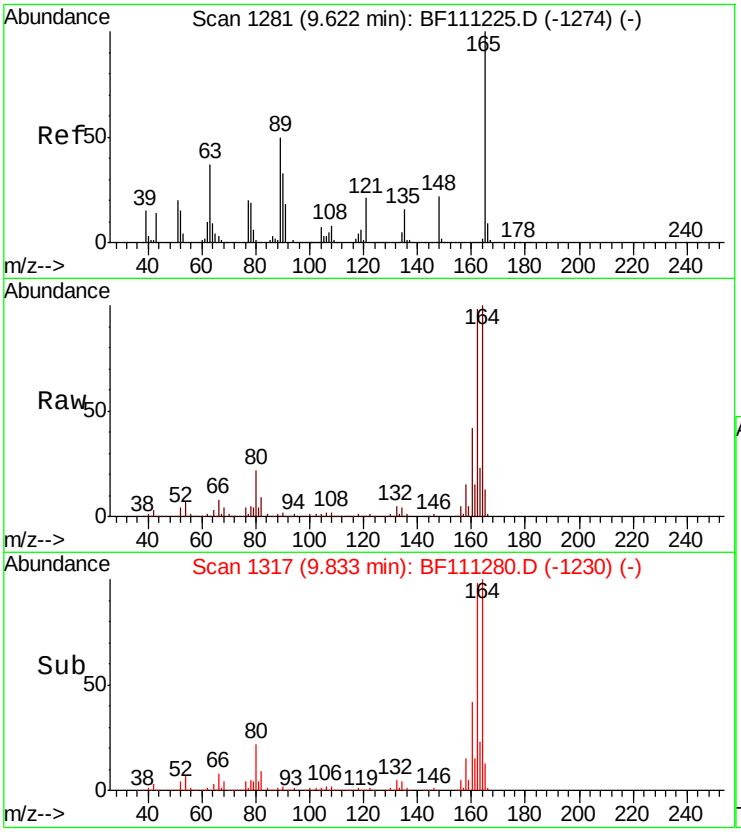




#50
Dimethylphthalate
Concen: 6.618 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:163 Resp: 245212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 3.0 | 4.6 |
| 164 | 10.2 | 8.9 | 13.3 |



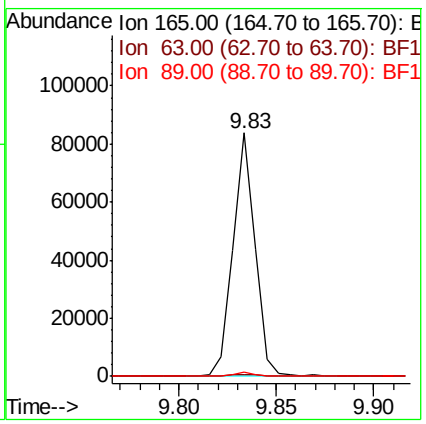


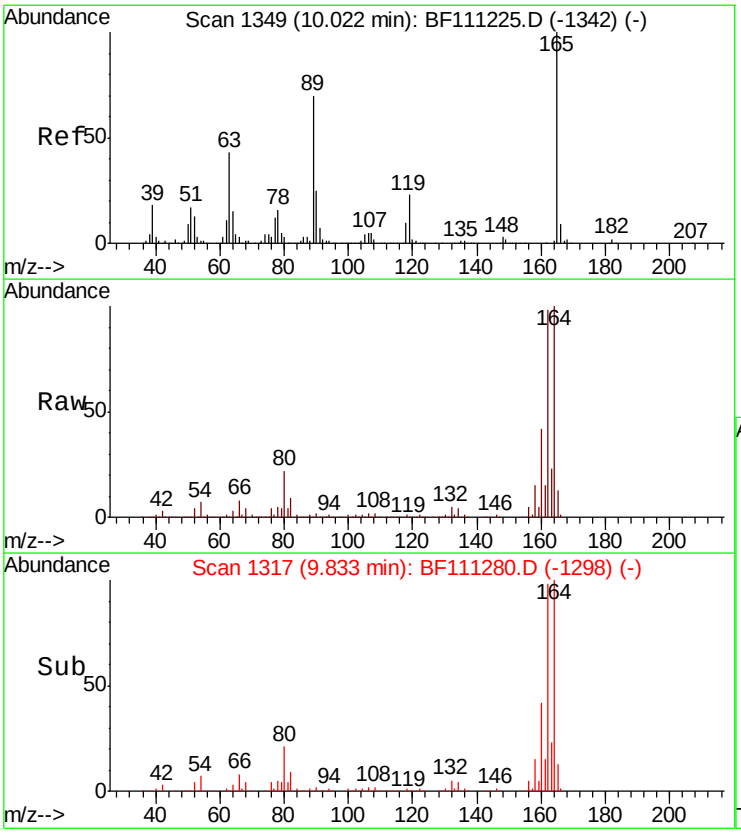

#51
2,6-Dinitrotoluene
Concen: 8.016 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:165 Resp: 65588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 40.5 | 60.7# |
| 89 | 1.7 | 40.0 | 60.0# |

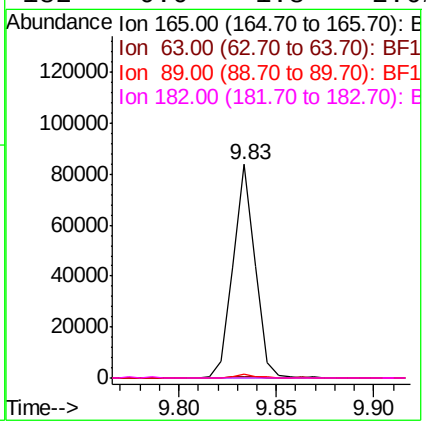


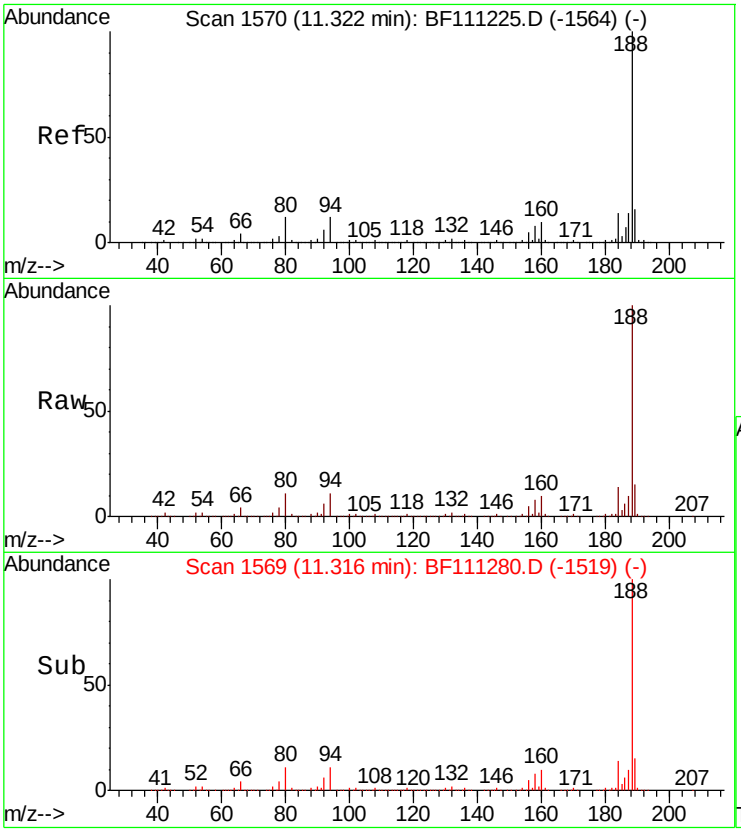




#57
2,4-Dinitrotoluene
Concen: 6.502 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:165 Resp: 65588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 34.6 | 52.0# |
| 89 | 1.7 | 56.2 | 84.4# |
| 182 | 0.0 | 1.8 | 2.6# |



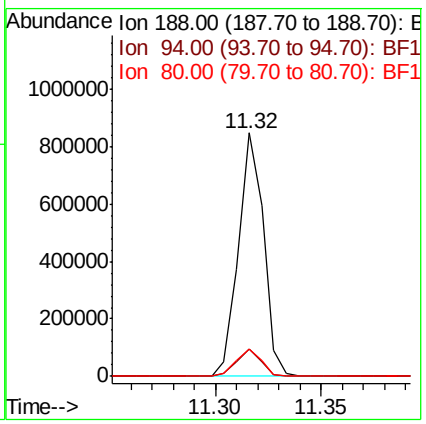


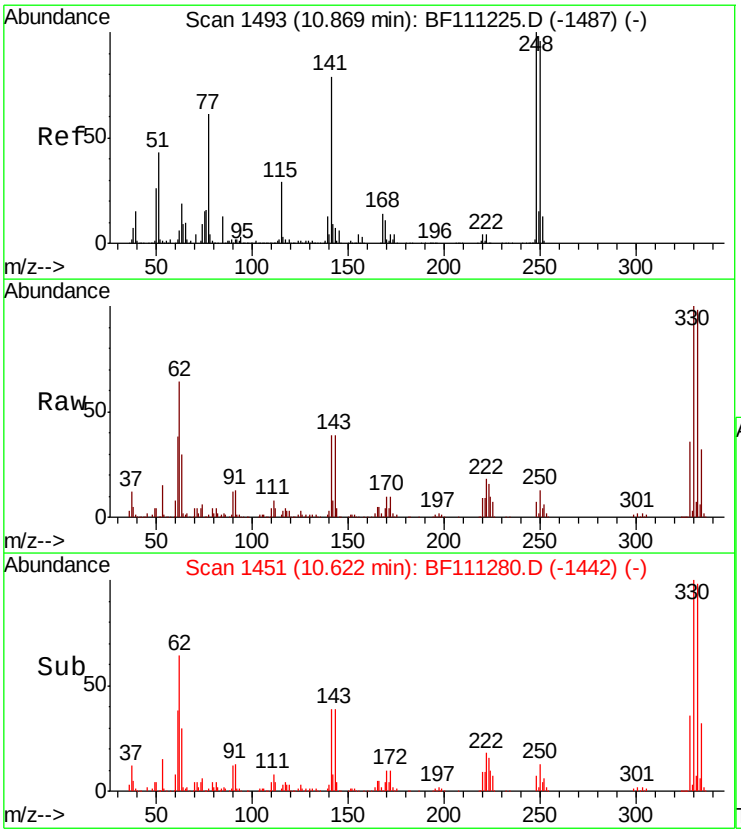

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:188 Resp: 695822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 9.6 | 14.4 |
| 80 | 11.4 | 9.8 | 14.6 |

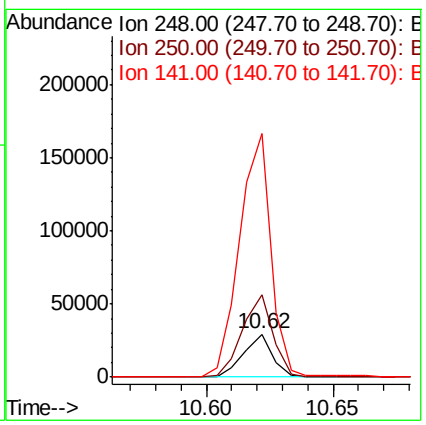


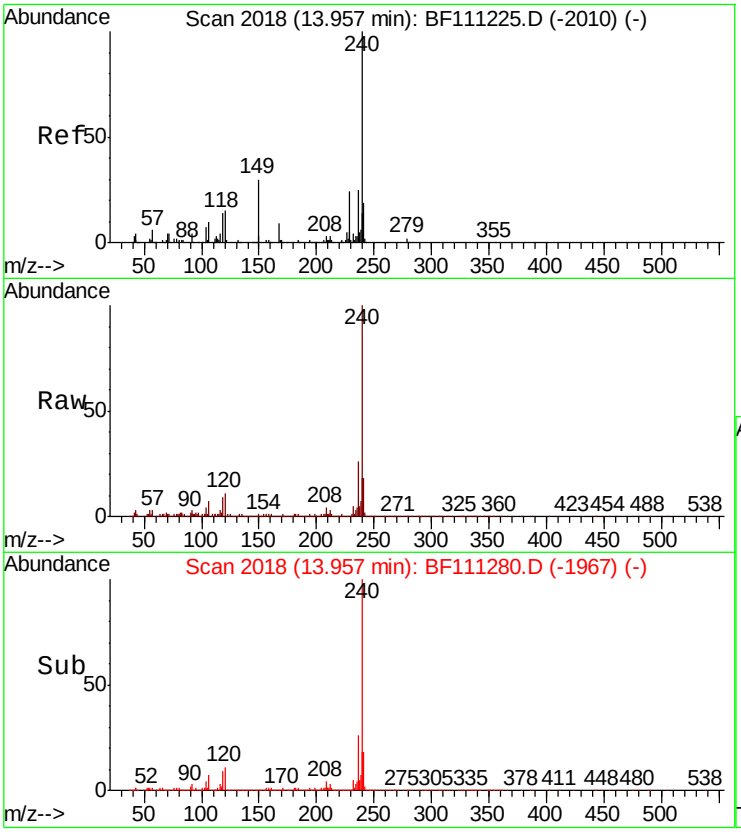




#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:248 Resp: 23679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.8 | 77.0 | 115.4# |
| 141 | 567.3 | 63.0 | 94.6# |



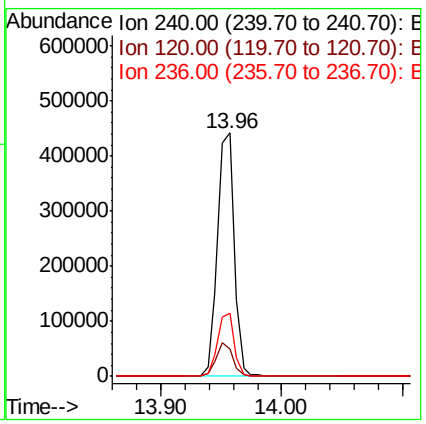


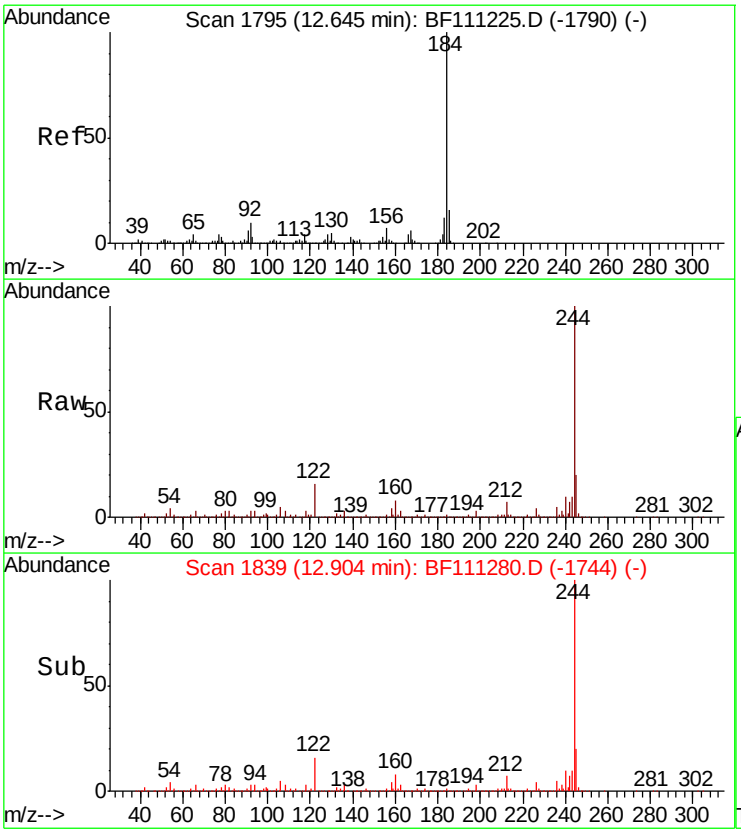

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:240 Resp: 424000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 12.2 | 18.2# |
| 236 | 26.0 | 20.2 | 30.2 |

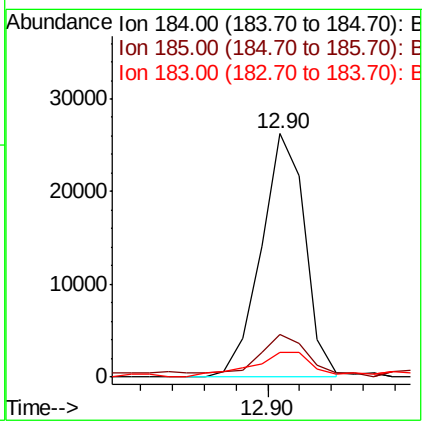


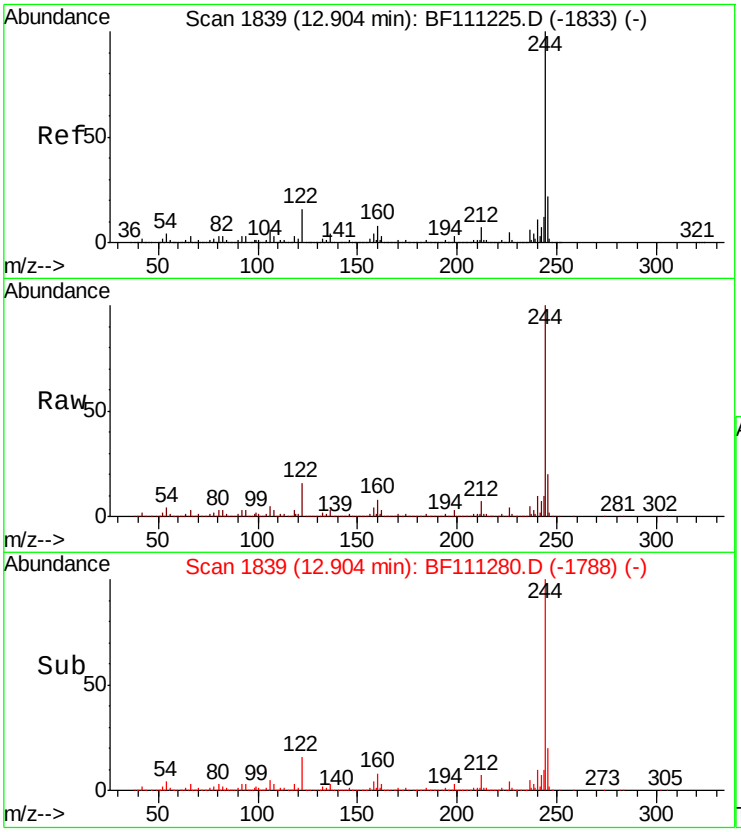




#77
Benzidine
Concen: 2.004 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.26 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:184 Resp: 25233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.8 | 13.0 | 19.6 |
| 183 | 10.3 | 9.3 | 13.9 |



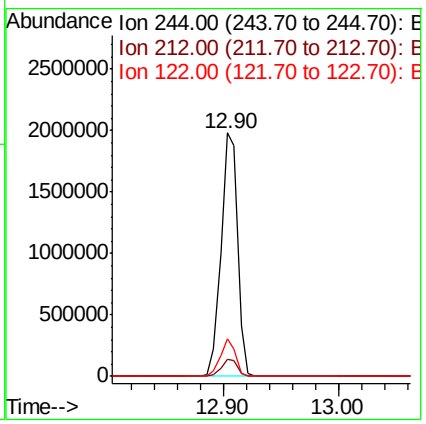


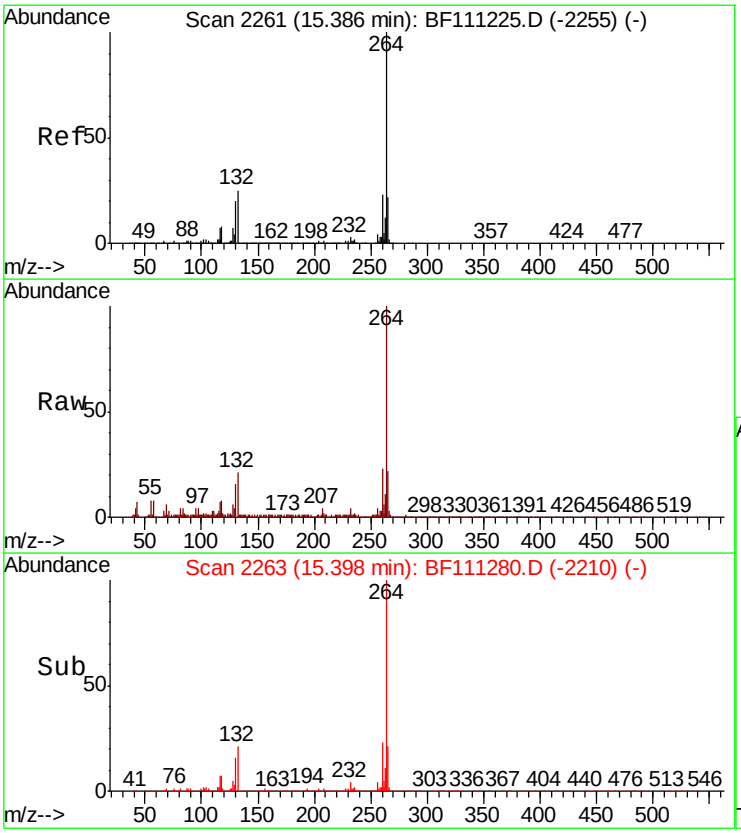

#79
Terphenyl-d14
Concen: 110.771 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

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

Tgt Ion:244 Resp: 1958066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.7 | 8.5 |
| 122 | 15.5 | 13.1 | 19.7 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111280.D
Acq: 11 Dec 2018 15:53

Tgt Ion:264 Resp: 324077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.3 | 27.5 |
| 265 | 21.5 | 17.7 | 26.5 |