Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
Data File : BF116593.D
Acq On : 27 Aug 2019 20:07
Operator : HP/JU
Sample : K4516-27
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 28 06:37:44 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 | 63137 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 243014 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 131305 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 233491 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 14.02 | 240 | 163011 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 15.48 | 264 | 160094 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 481002 | 111.32 | ng | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 563048 | 106.27 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 451740 | 101.70 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 189639 | 168.20 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 822943 | 100.93 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.97 | 244 | 950205 | 108.88 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.43 | 70 | 61493 | 17.009 | ng | # 79 |
| 25) Isophorone | 7.43 | 82 | 451735 | 51.607 | ng | # 67 |
| 50) Dimethylphthalate | 9.62 | 163 | 21627 | 2.361 | ng | # 99 |
| 51) 2,6-Dinitrotoluene | 9.90 | 165 | 17076 | 9.106 | ng | # 25 |
| 57) 2,4-Dinitrotoluene | 9.90 | 165 | 17076 | 7.157 | ng | # 21 |
| 65) 4,6-Dinitro-2-methylphenol | 10.69 | 198 | 390 | 7.353 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 10.69 | 248 | 12930 | 5.282 | ng | # 1 |
| 77) Benzidine | 12.97 | 184 | 13749 | 2.096 | ng | # 96 |

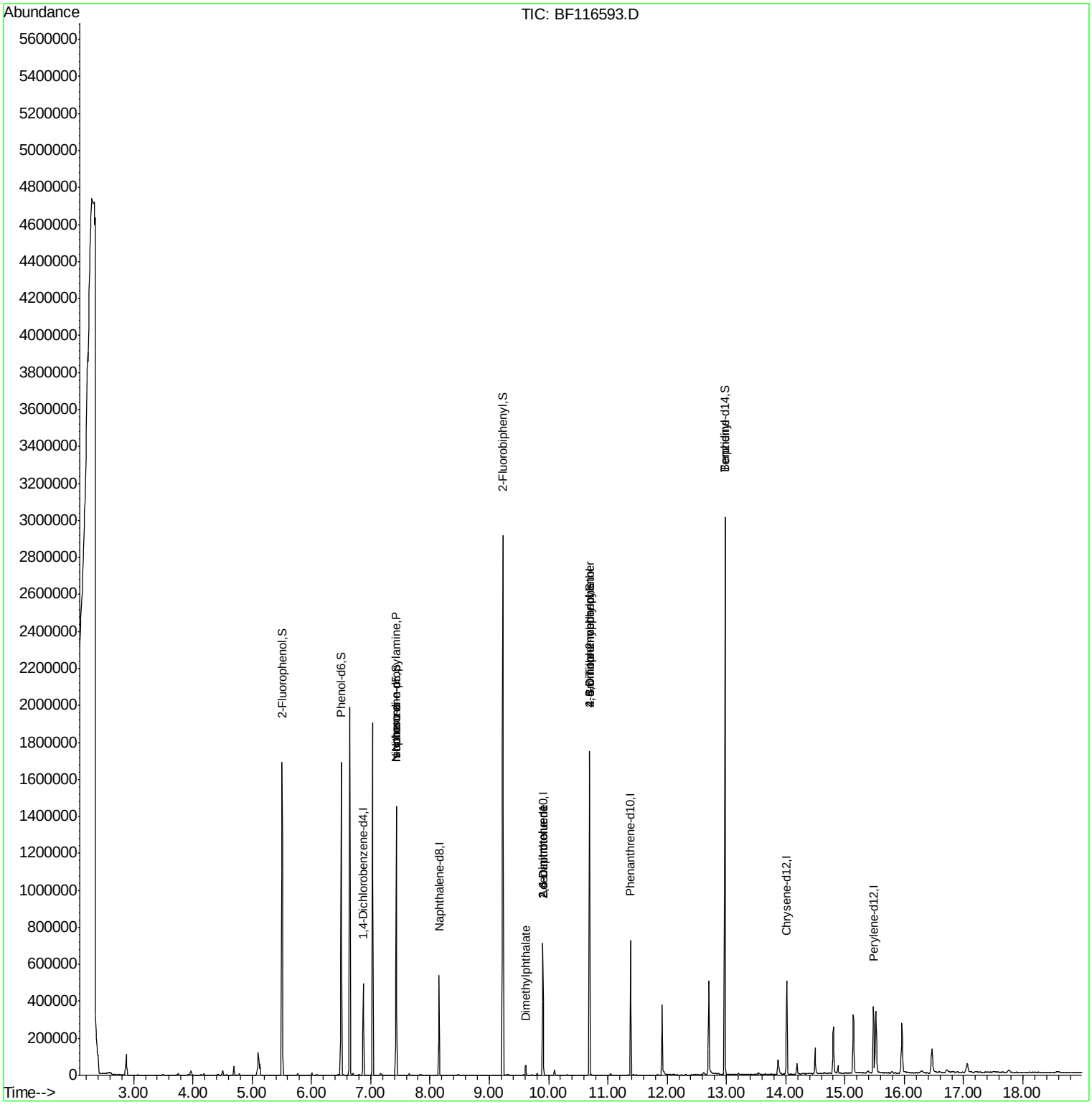
(#) = qualifier out of range (m) = manual integration (+) = signals summed

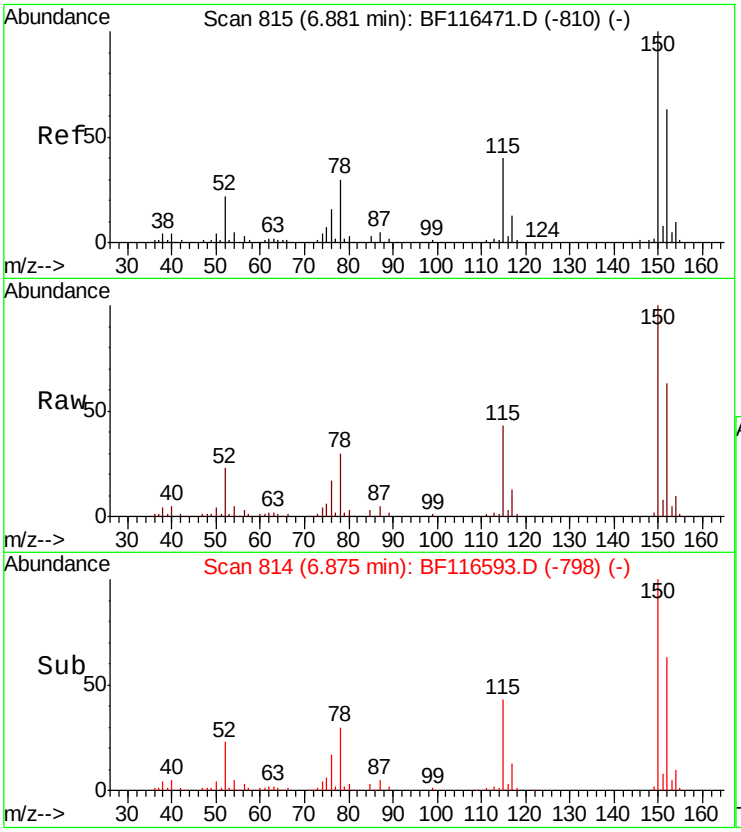
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
Data File : BF116593.D
Acq On : 27 Aug 2019 20:07
Operator : HP/JU
Sample : K4516-27
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 28 06:37:44 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



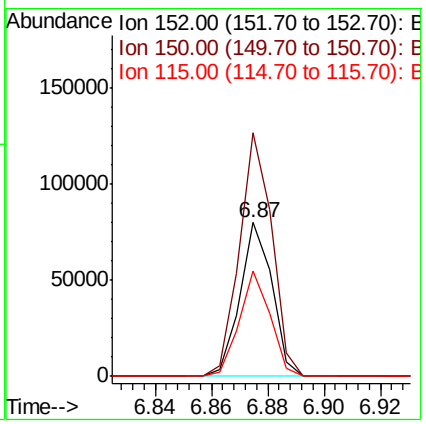


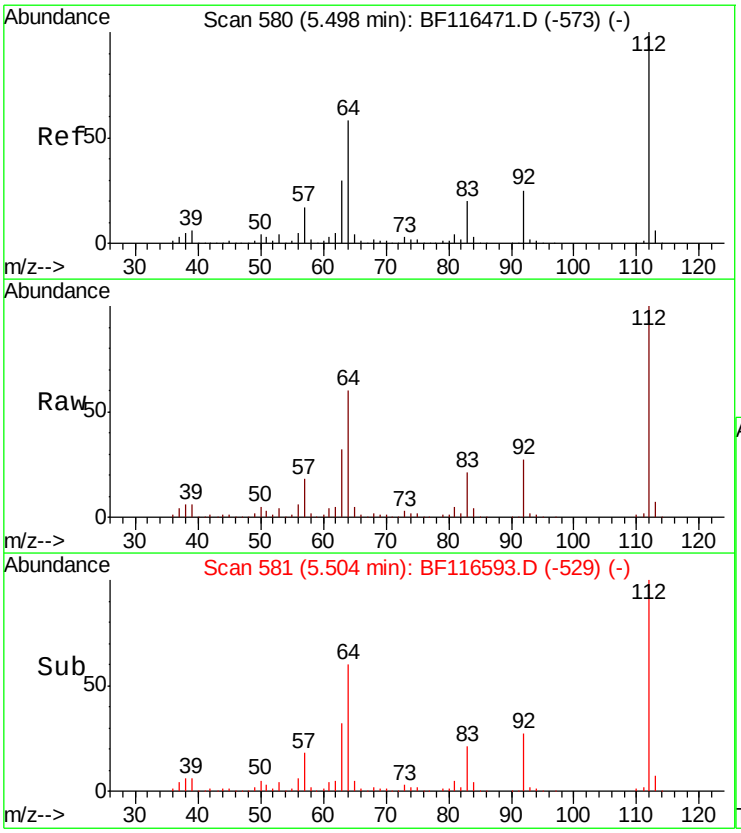

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:152 Resp: 63137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.3 | 126.7 | 190.1 |
| 115 | 68.4 | 50.9 | 76.3 |

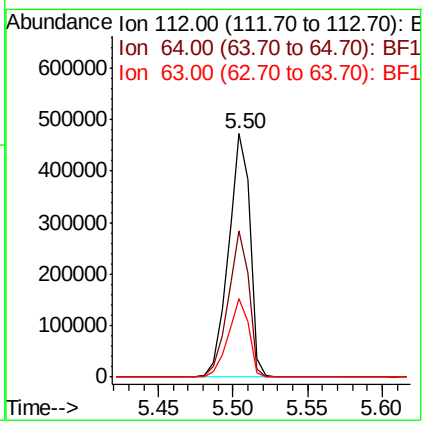


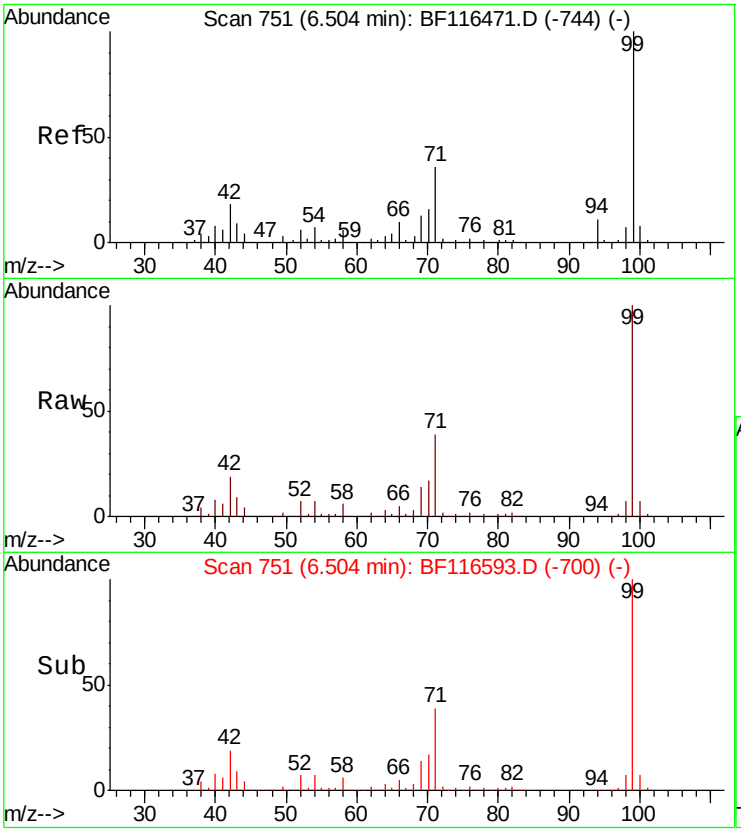




#5
2-Fluorophenol
Concen: 111.316 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:112 Resp: 481002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 46.3 | 69.5 |
| 63 | 32.2 | 24.2 | 36.4 |



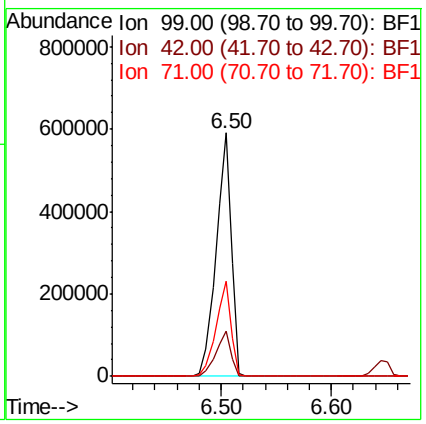


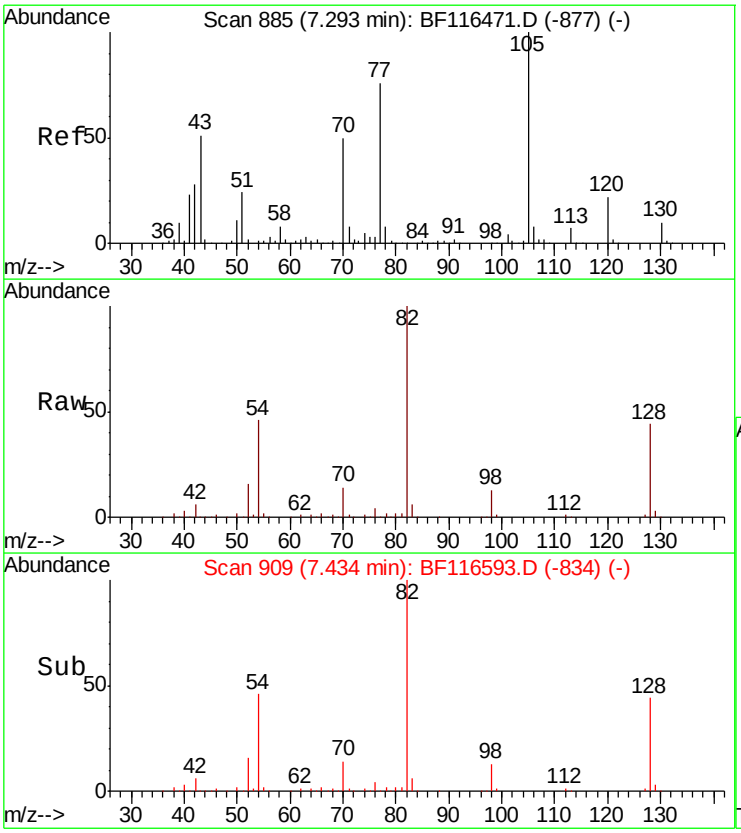

#7
Phenol-d6
Concen: 106.270 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion: 99 Resp: 563048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 14.6 | 21.8 |
| 71 | 39.0 | 28.5 | 42.7 |

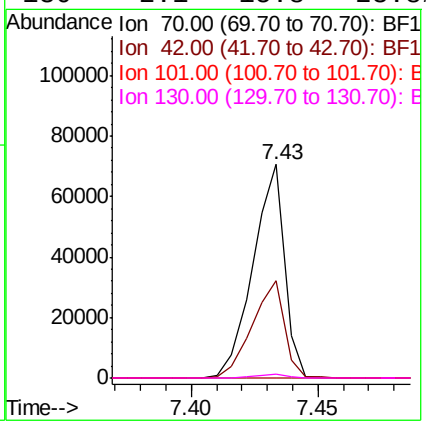


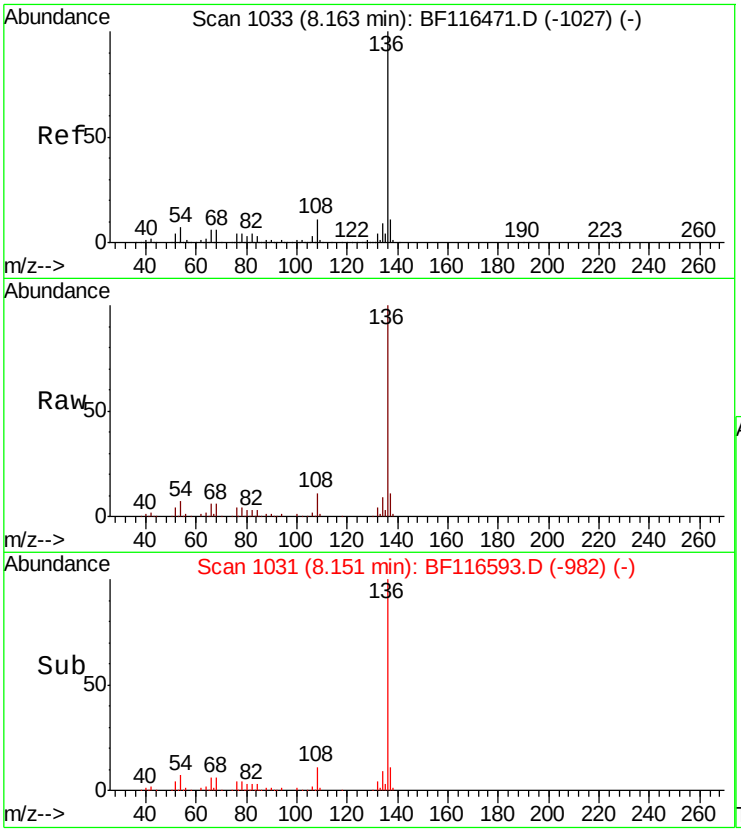




#19
n-Nitroso-di-n-propylamine
Concen: 17.009 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion: 70 Resp: 61493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.3 | 44.4 | 66.6 |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.1 | 15.8 | 23.8# |



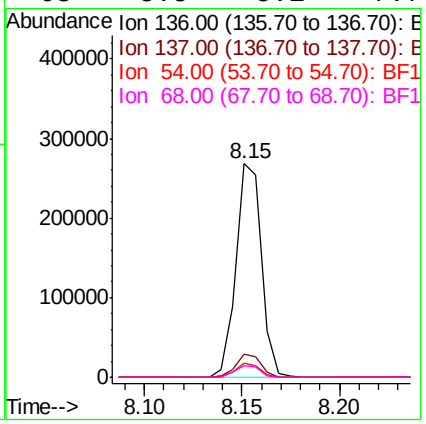


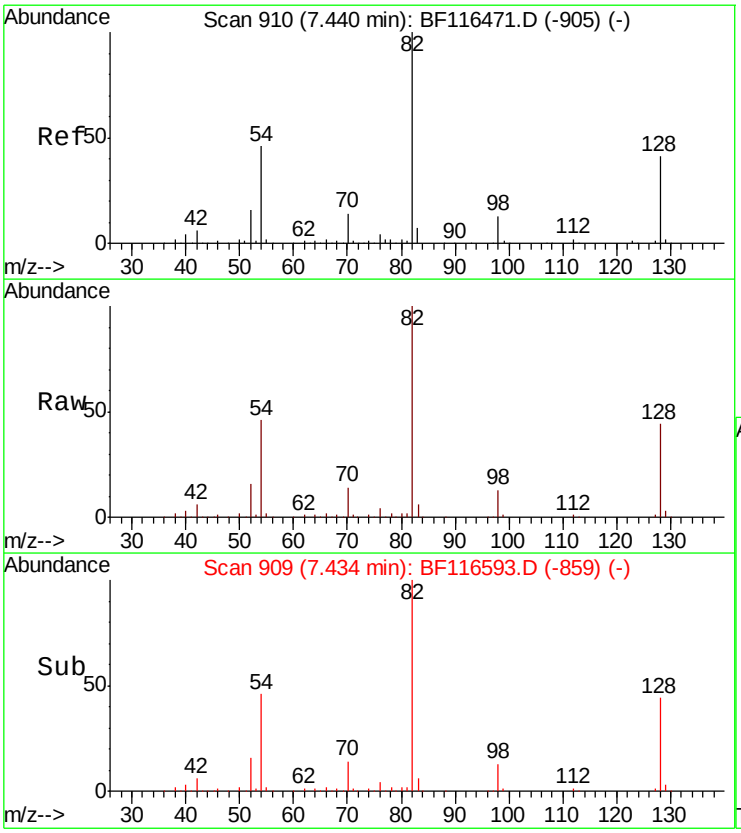

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:136 Resp: 243014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.6 | 5.8 | 8.6 |
| 68 | 5.5 | 5.1 | 7.7 |

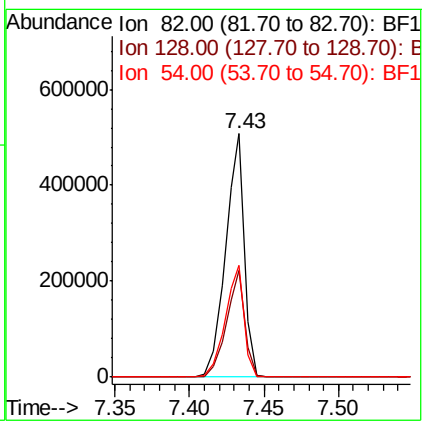


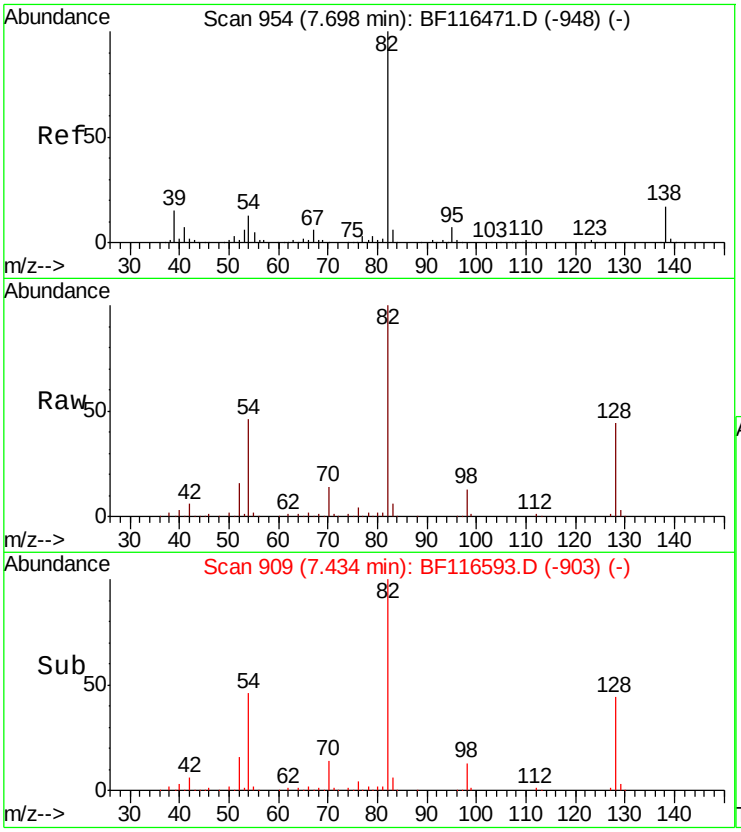




#23
Nitrobenzene-d5
Concen: 101.701 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion: 82 Resp: 451740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 32.2 | 48.4 |
| 54 | 45.9 | 36.5 | 54.7 |



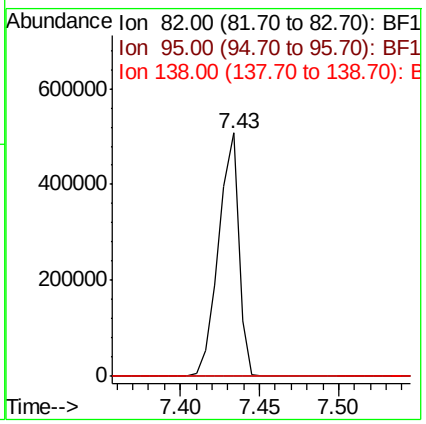


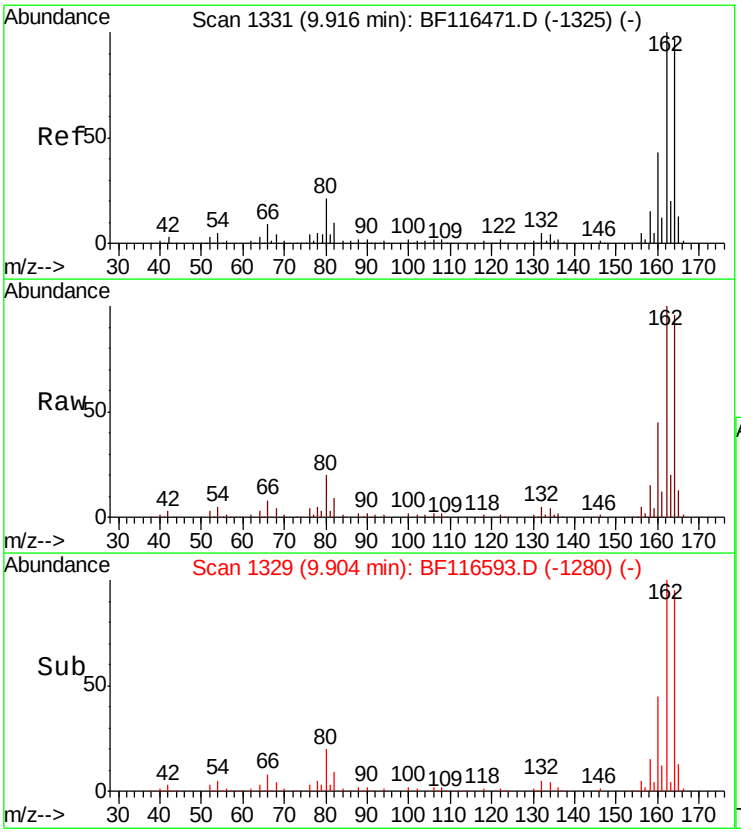

#25
Isophorone
Concen: 51.607 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion: 82 Resp: 451735

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

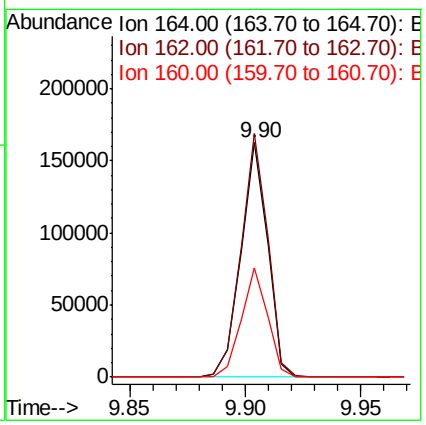


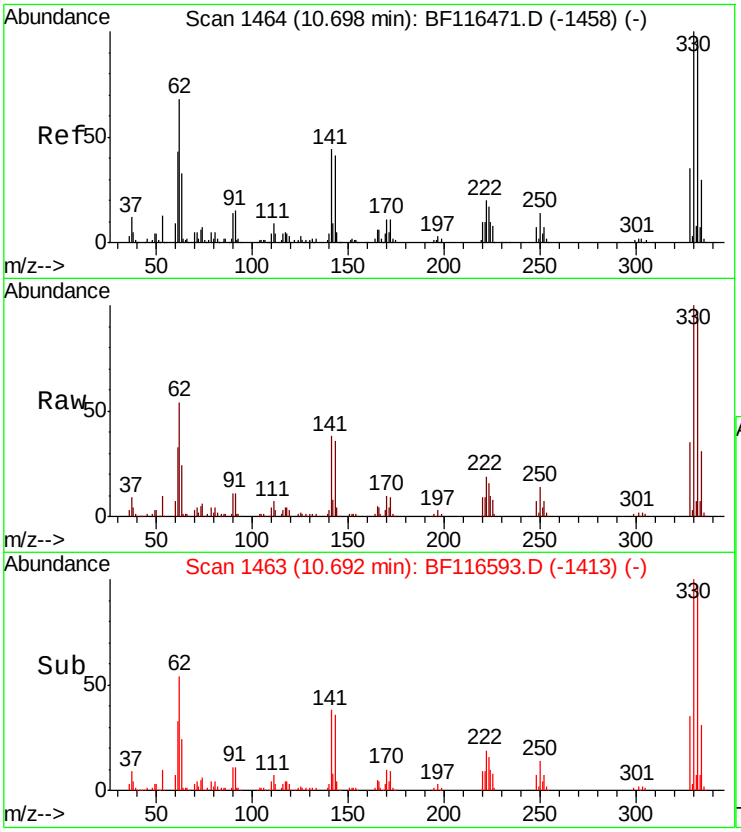




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:164 Resp: 131305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 82.6 | 123.8 |
| 160 | 46.6 | 35.8 | 53.8 |



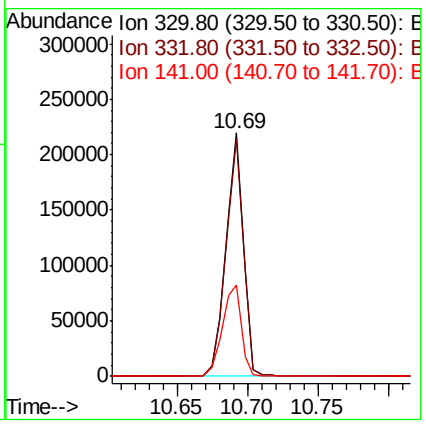


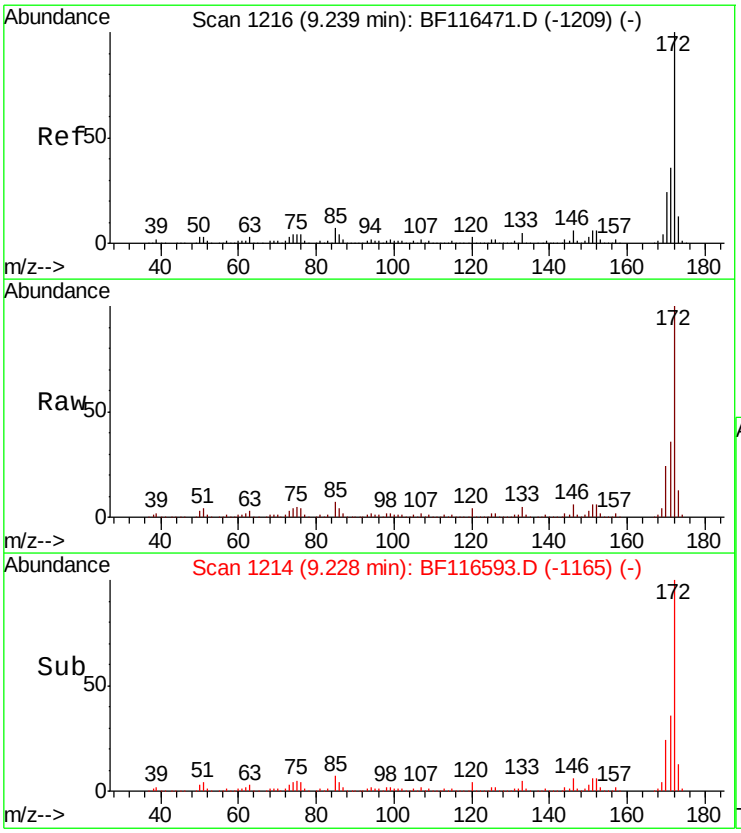

#42
2,4,6-Tribromophenol
Concen: 168.197 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:330 Resp: 189639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.2 | 115.8 |
| 141 | 40.4 | 33.3 | 49.9 |

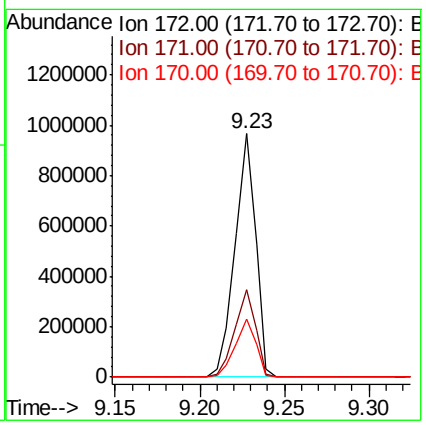


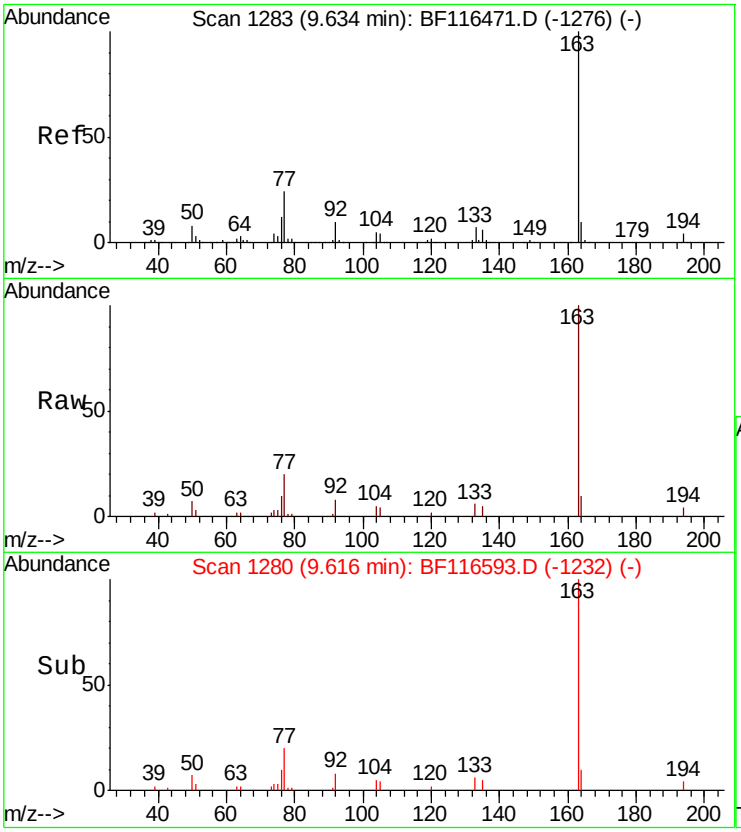




#45
2-Fluorobiphenyl
Concen: 100.931 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:172 Resp: 822943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.9 | 43.3 |
| 170 | 24.1 | 19.4 | 29.0 |



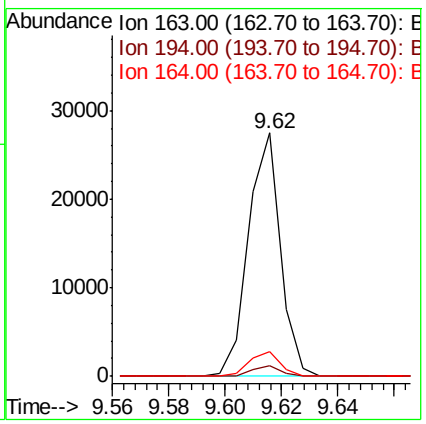


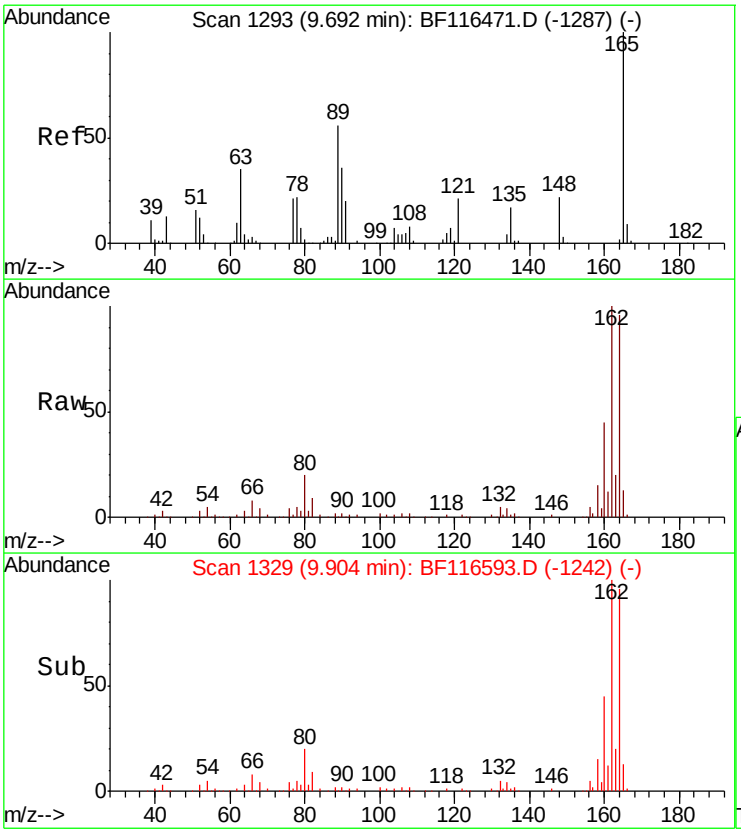

#50
Dimethylphthalate
Concen: 2.361 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:163 Resp: 21627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 2.9 | 4.3# |
| 164 | 10.0 | 8.2 | 12.2 |

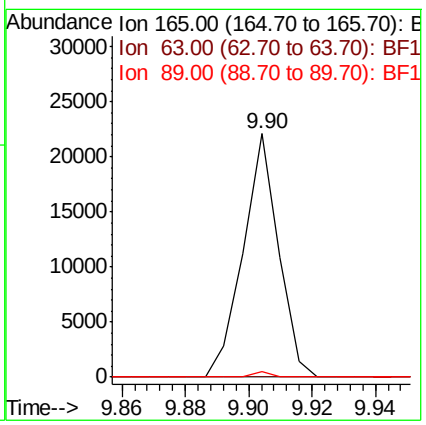


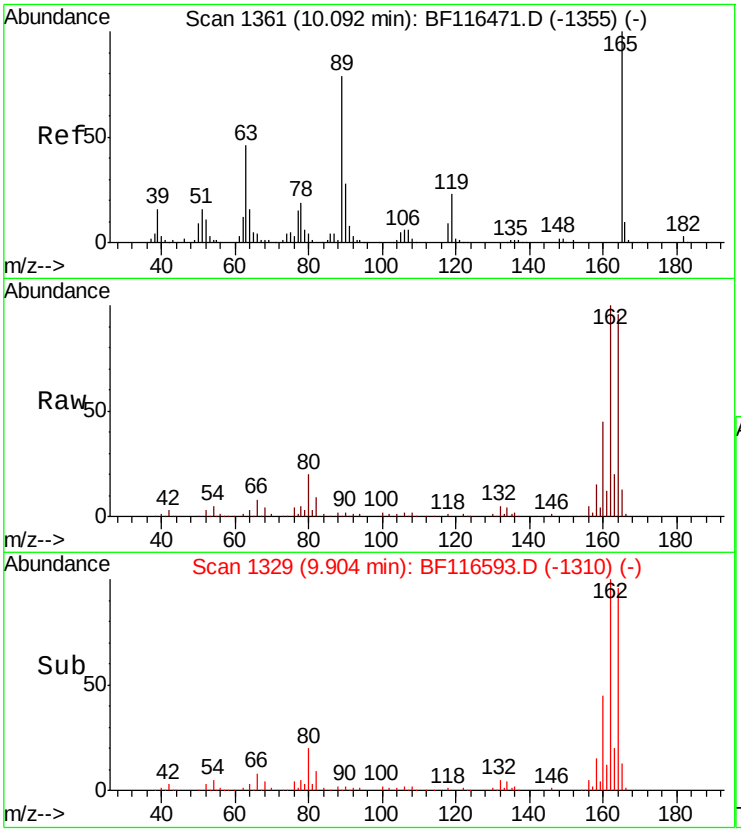




#51
2,6-Dinitrotoluene
Concen: 9.106 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:165 Resp: 17076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 43.7 | 65.5# |
| 89 | 2.5 | 45.1 | 67.7# |



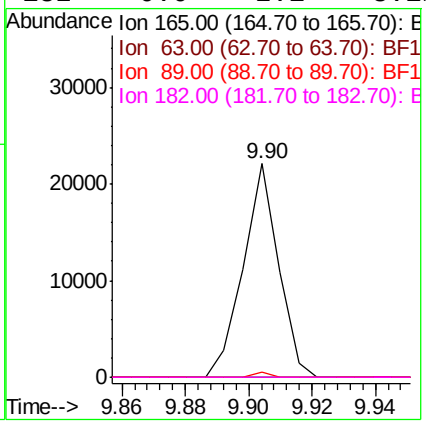


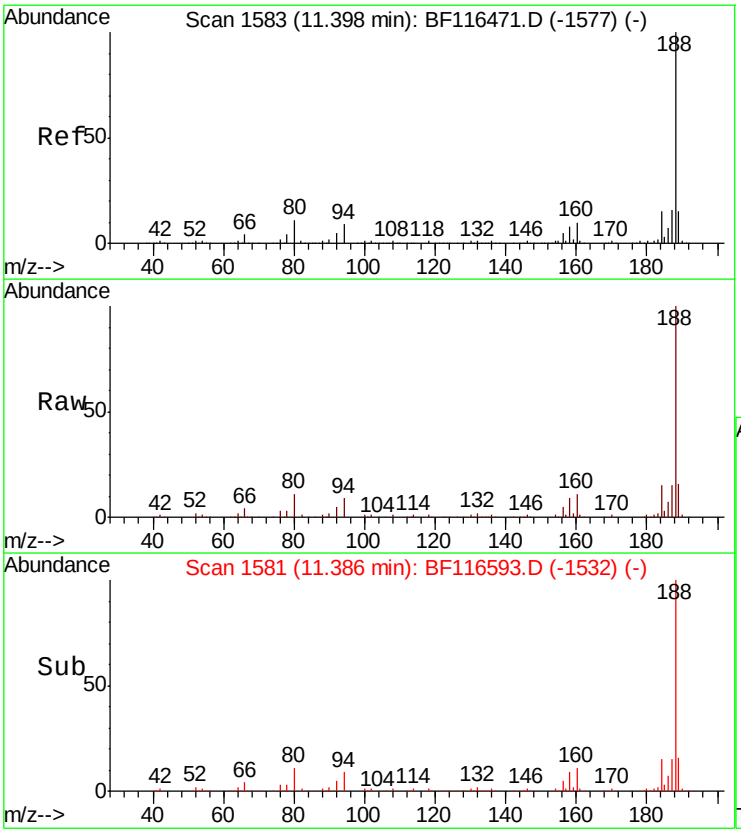

#57
2,4-Dinitrotoluene
Concen: 7.157 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.19 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:165 Resp: 17076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 36.9 | 55.3# |
| 89 | 2.5 | 63.4 | 95.0# |
| 182 | 0.0 | 2.1 | 3.1# |

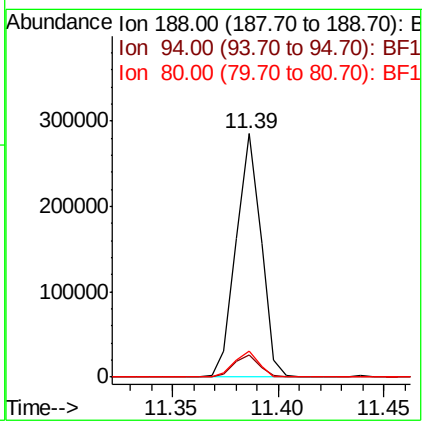


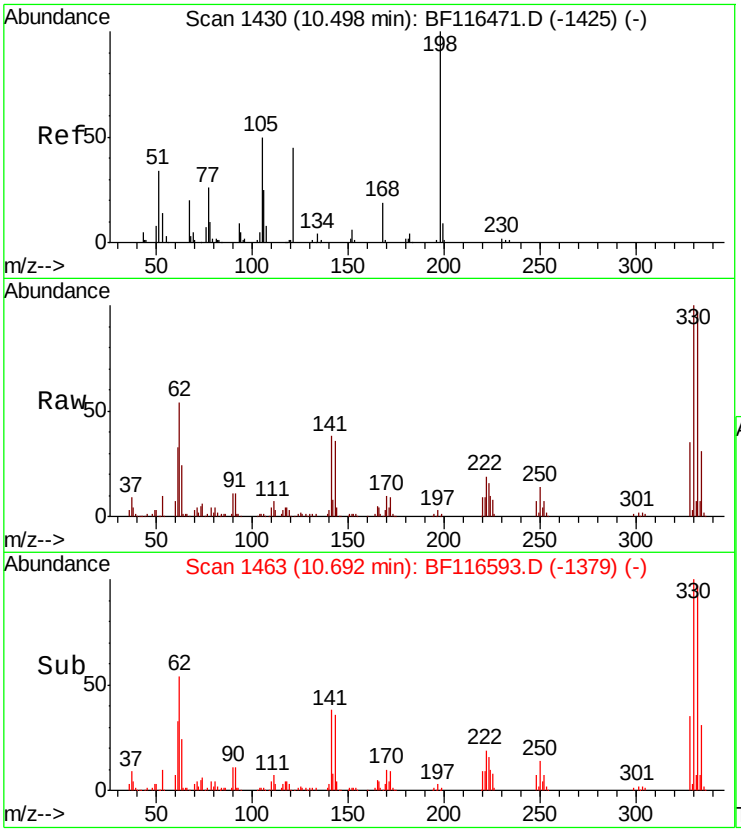




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:188 Resp: 233491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 7.4 | 11.2 |
| 80 | 10.5 | 8.6 | 12.8 |



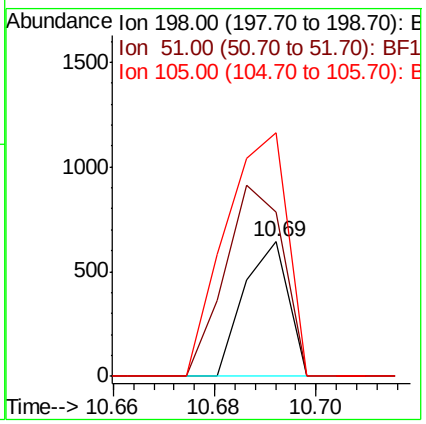


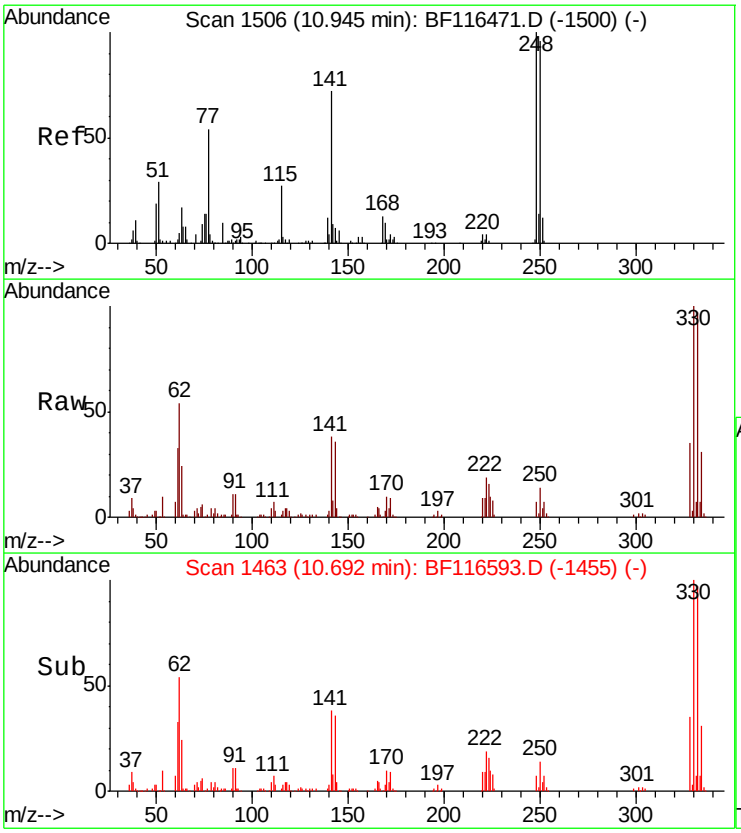

#65
4,6-Dinitro-2-methylphenol
Concen: 7.353 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:198 Resp: 390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 122.2 | 30.4 | 70.4# |
| 105 | 180.9 | 32.8 | 72.8# |

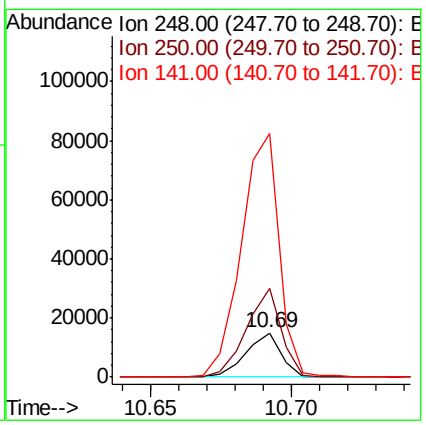


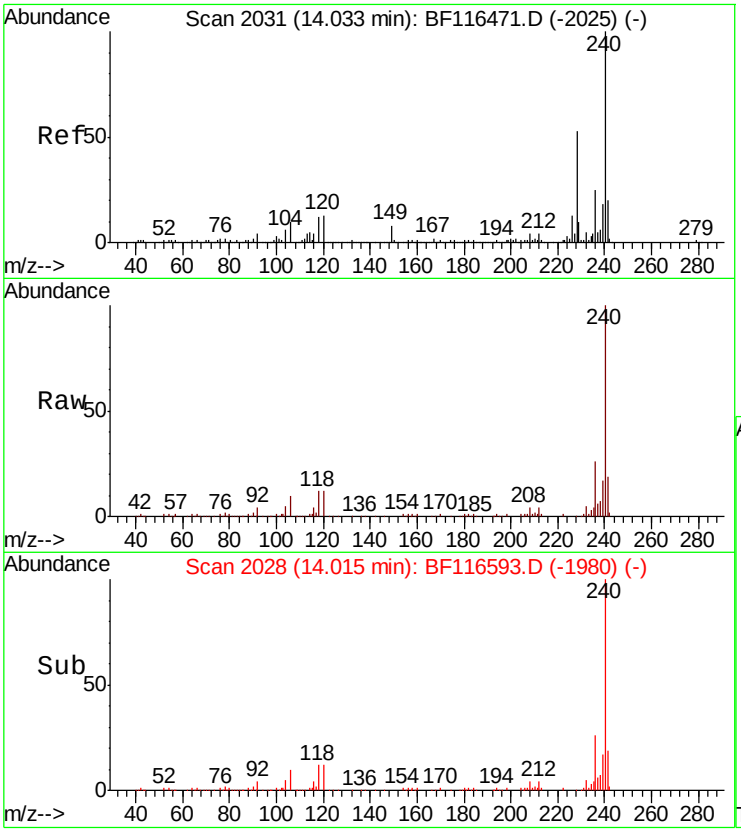




#67
4-Bromophenyl-phenylether
Concen: 5.282 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:248 Resp: 12930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.2 | 77.0 | 115.6# |
| 141 | 550.4 | 57.4 | 86.0# |



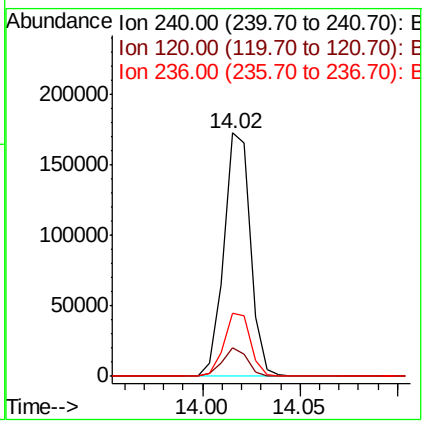


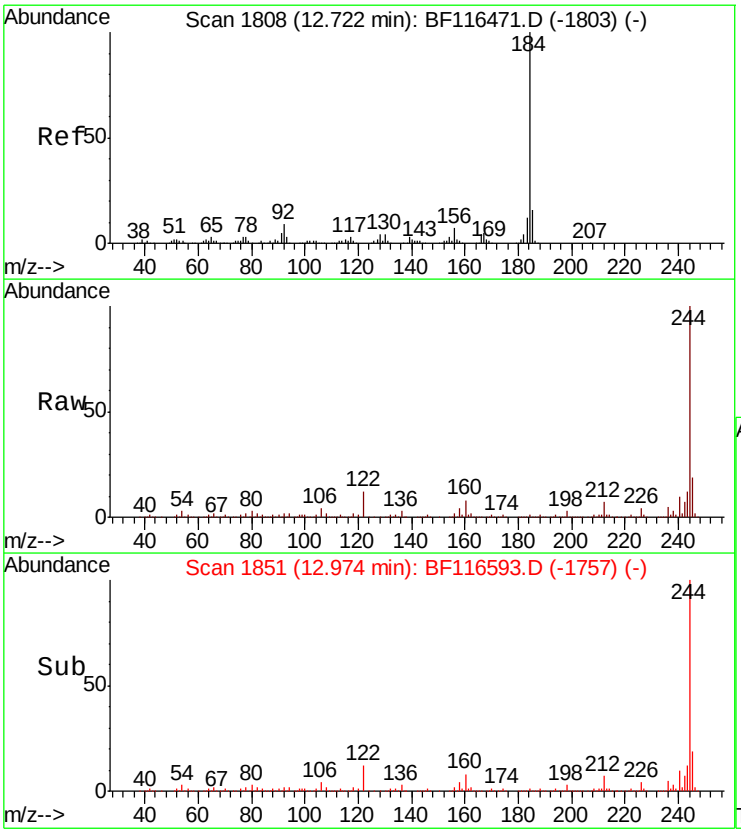

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:240 Resp: 163011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 10.5 | 15.7 |
| 236 | 25.8 | 20.2 | 30.2 |

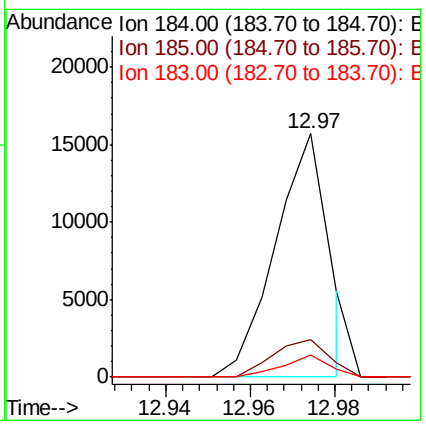


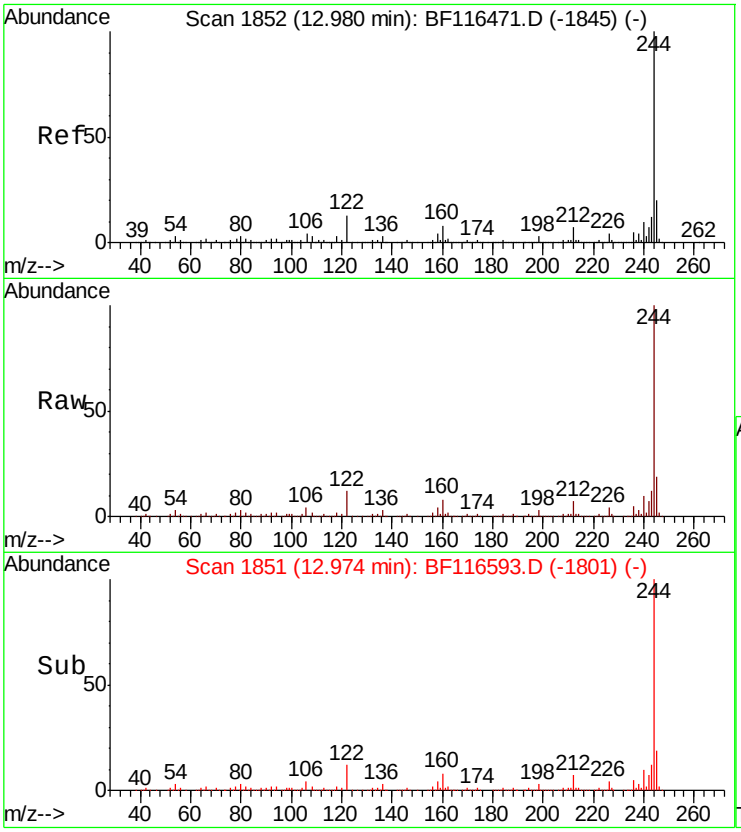




#77
Benzidine
Concen: 2.096 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.25 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:184 Resp: 13749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.6 | 13.0 | 19.4 |
| 183 | 9.1 | 9.8 | 14.6# |



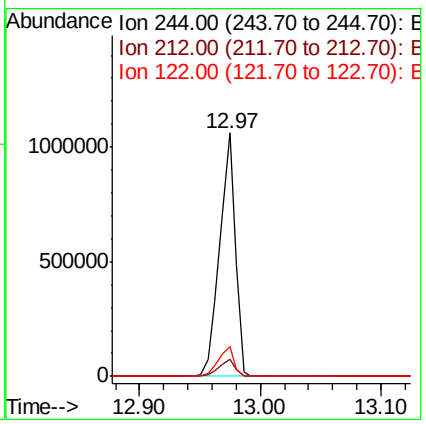


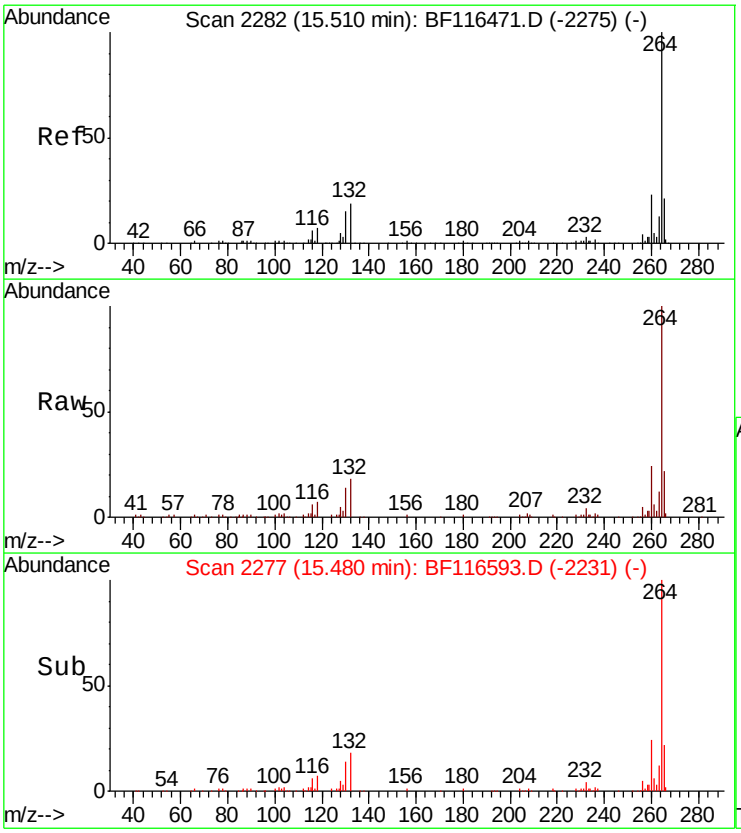

#79
Terphenyl-d14
Concen: 108.882 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

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

Tgt Ion:244 Resp: 950205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.2 | 10.2 | 15.4 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:264 Resp: 160094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.8 | 28.2 |
| 265 | 22.0 | 17.1 | 25.7 |