Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107499.D
Acq On : 19 Jul 2018 7:09
Operator : JU/SJ
Sample : J4027-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Quant Time: Jul 19 08:03:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 11:55:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.98 | 152 | 119333 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.27 | 136 | 423266 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 215775 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.52 | 188 | 409091 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.17 | 240 | 323017 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.71 | 264 | 290661 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 901404 | 114.72 | ng | | 0.02 |
| 7) Phenol-d6 | 6.64 | 99 | 1193873 | 117.52 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.55 | 82 | 815093 | 102.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.82 | 330 | 241471 | 127.37 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.35 | 172 | 1263694 | 99.50 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.11 | 244 | 1240802 | 95.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.64 | 42 | 10918 | 2.541 | ng | # | 1 |
| 10) Phenol | 6.65 | 94 | 22789 | 2.092 | ng | # | 1 |
| 15) Benzyl Alcohol | 7.14 | 79 | 34104 | 3.343 | ng | # | 45 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.38 | 45 | 93251 | 9.832 | ng | | 75 |
| 25) Isophorone | 7.80 | 82 | 68637 | 4.363 | ng | # | 84 |
| 35) Caprolactam | 8.68 | 113 | 40240 | 18.800 | ng | | 92 |
| 49) Dimethylphthalate | 9.73 | 163 | 269804 | 15.737 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.77 | 165 | 98330 | 30.057 | ng | # | 32 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 115 | 2.393 | ng | # | 1 |
| 55) 4-Nitrophenol | 10.13 | 139 | 12794 | 4.601 | ng | # | 33 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 18002 | 4.222 | ng | # | 33 |
| 59) Diethylphthalate | 10.44 | 149 | 134036 | 8.047 | ng | # | 90 |
| 62) Azobenzene | 10.74 | 77 | 48303 | 2.470 | ng | # | 1 |
| 64) 4,6-Dinitro-2-methylphenol | 10.68 | 198 | 267 | 7.592 | ng | | 84 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 24402 | 5.214 | ng | # | 1 |
| 73) Di-n-butylphthalate | 12.07 | 149 | 74411 | 3.368 | ng | # | 97 |

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

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Acq On : 19 Jul 2018 7:09
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Sample : J4027-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Quant Time: Jul 19 08:03:23 2018
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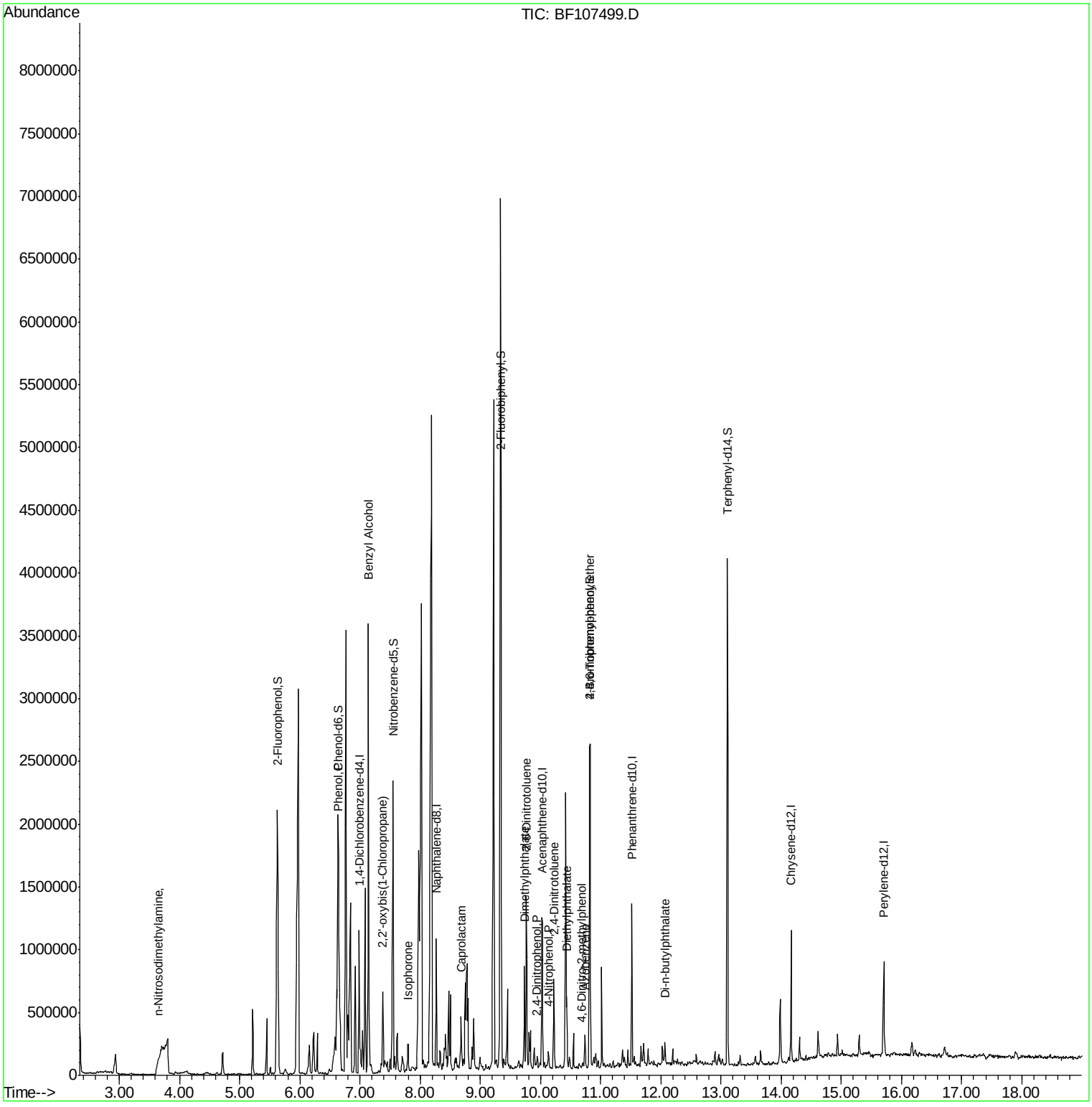
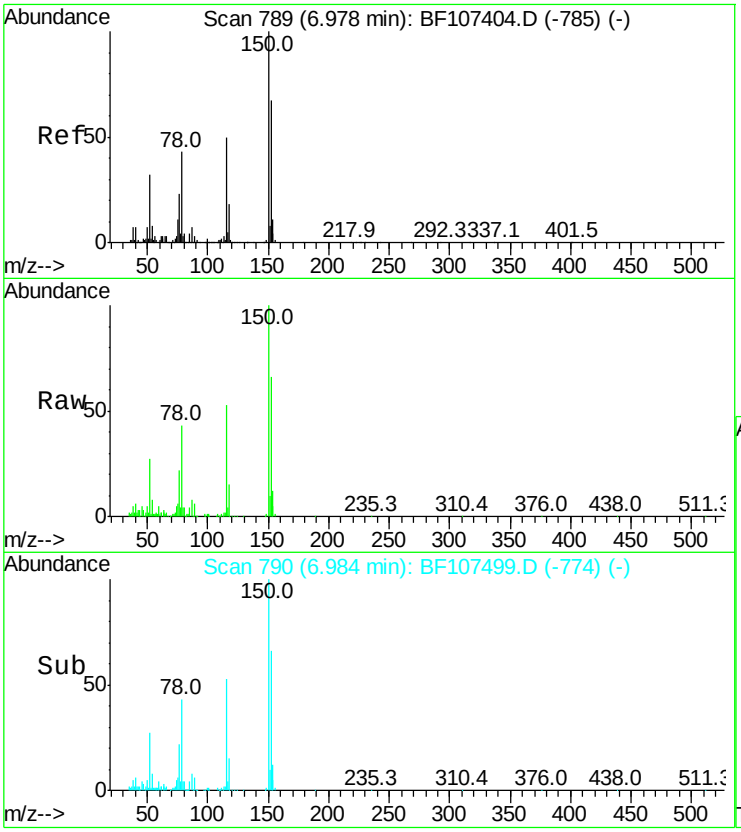
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 11:55:34 2018
Response via : Initial Calibration



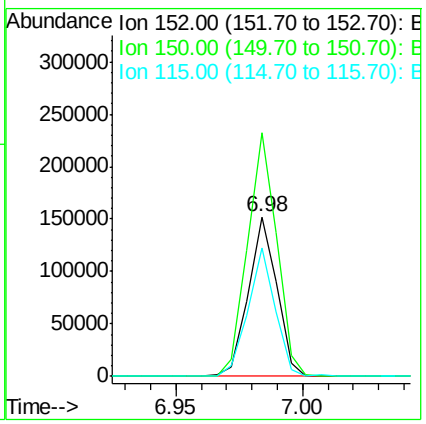


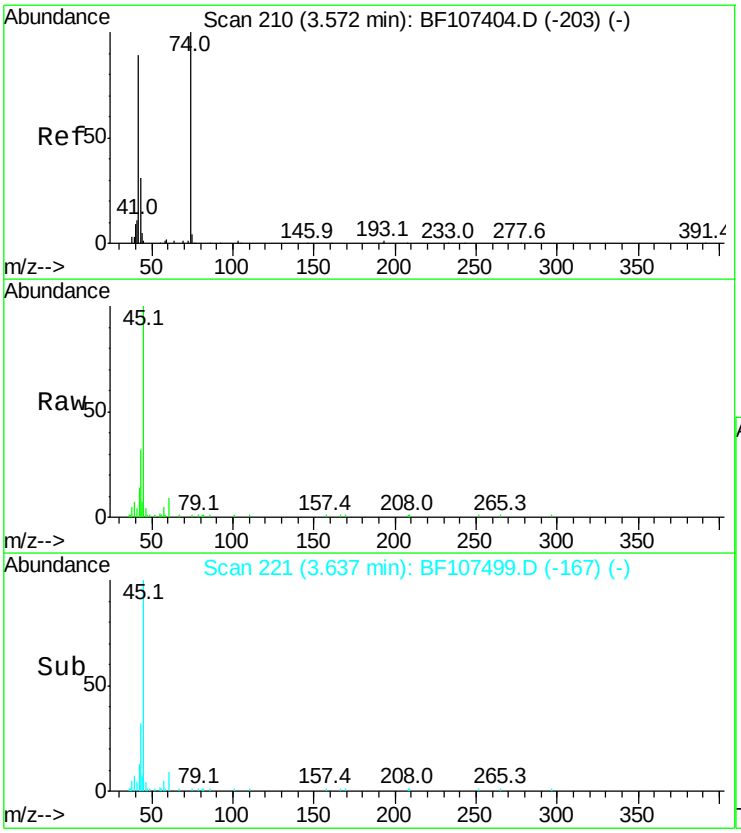

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:152 Resp: 119333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.4 | 124.6 | 186.8 |
| 115 | 80.3 | 50.1 | 75.1# |

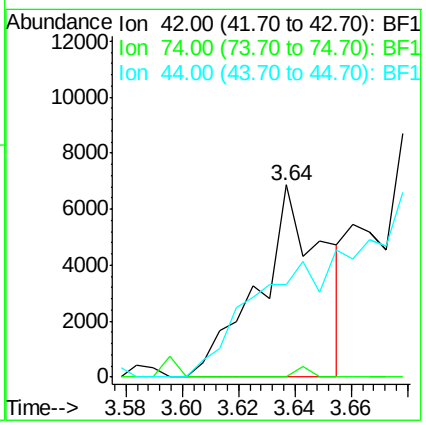


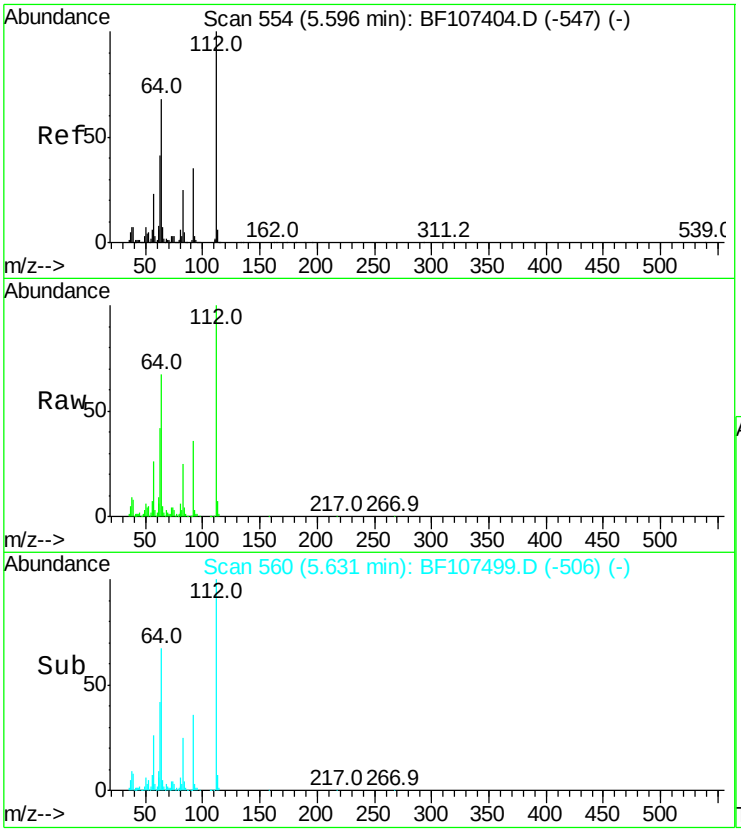




#4
n-Nitrosodimethylamine
Concen: 2.541 ng
RT: 3.64 min Scan# 221
Delta R.T. 0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion: 42 Resp: 10918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 104.9 | 157.3# |
| 44 | 48.4 | 6.9 | 10.3# |



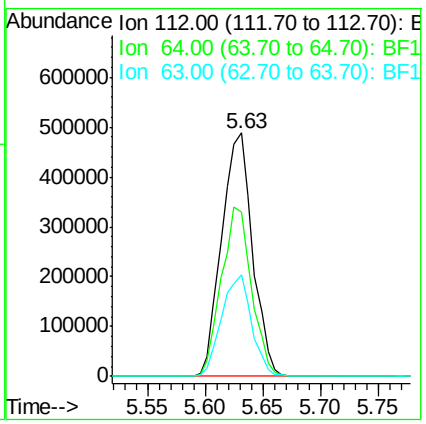


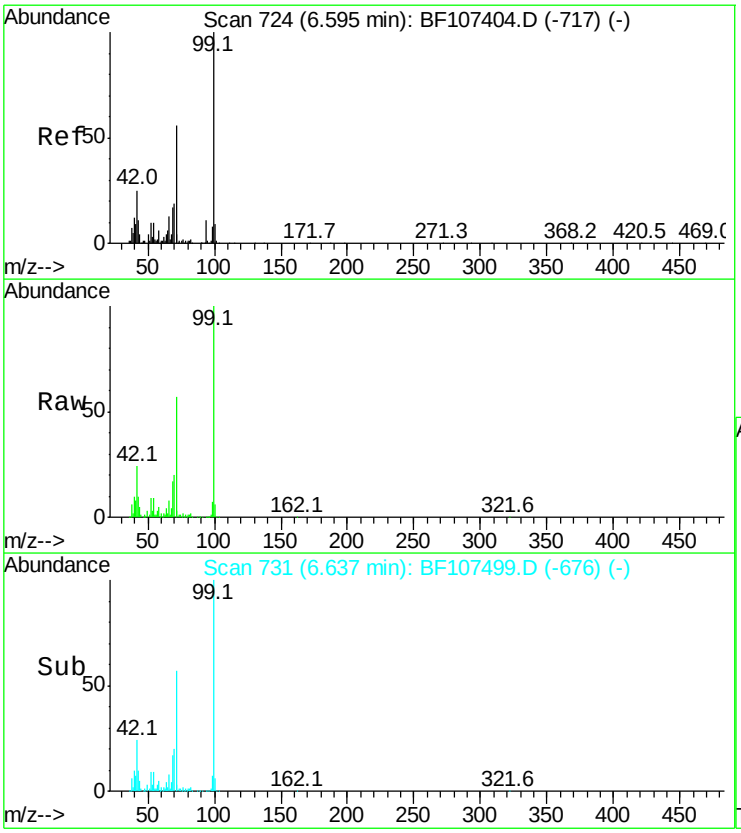

#5
2-Fluorophenol
Concen: 114.721 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:112 Resp: 901404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.3 | 47.9 | 71.9 |
| 63 | 41.6 | 23.7 | 35.5# |

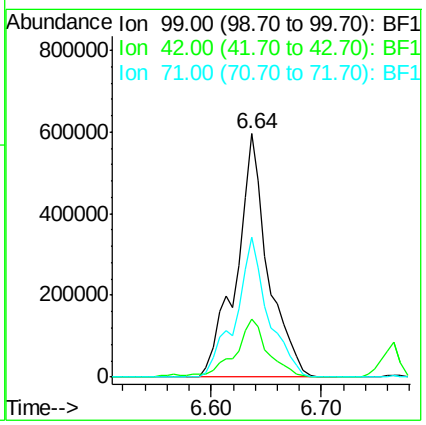


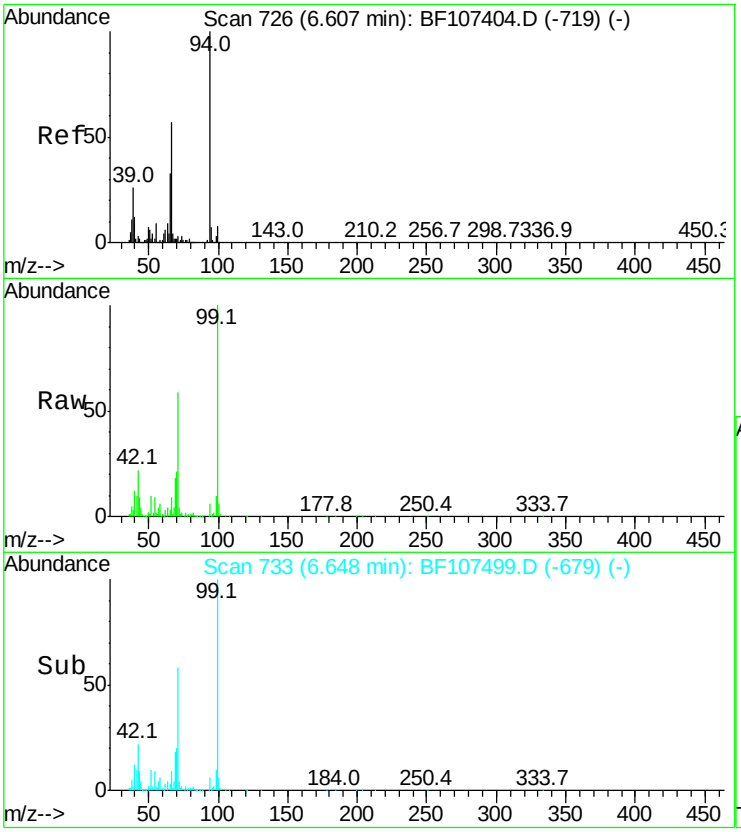




#7
Phenol-d6
Concen: 117.523 ng
RT: 6.64 min Scan# 731
Delta R.T. 0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion: 99 Resp: 1193873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.6 | 14.5 | 21.7# |
| 71 | 57.2 | 25.4 | 38.0# |



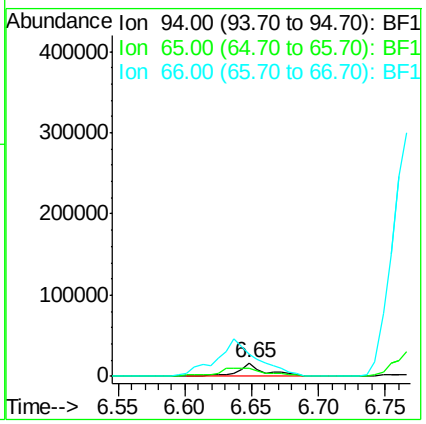


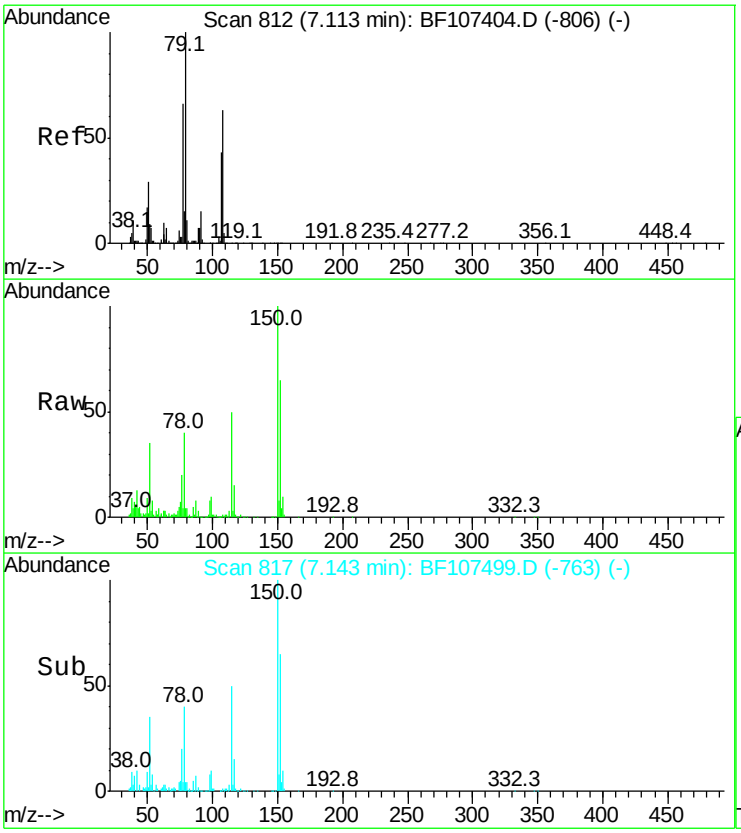

#10
Phenol
Concen: 2.092 ng
RT: 6.65 min Scan# 733
Delta R.T. 0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion: 94 Resp: 22789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 57.6 | 7.9 | 47.9# |
| 66 | 162.0 | 16.2 | 56.2# |

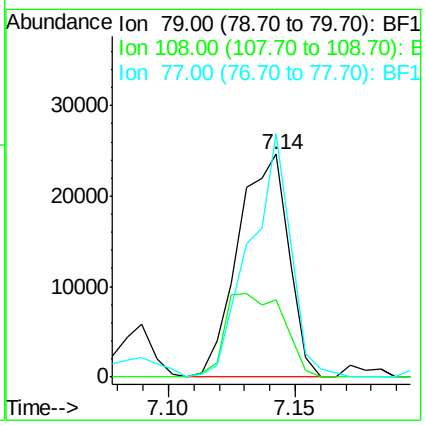


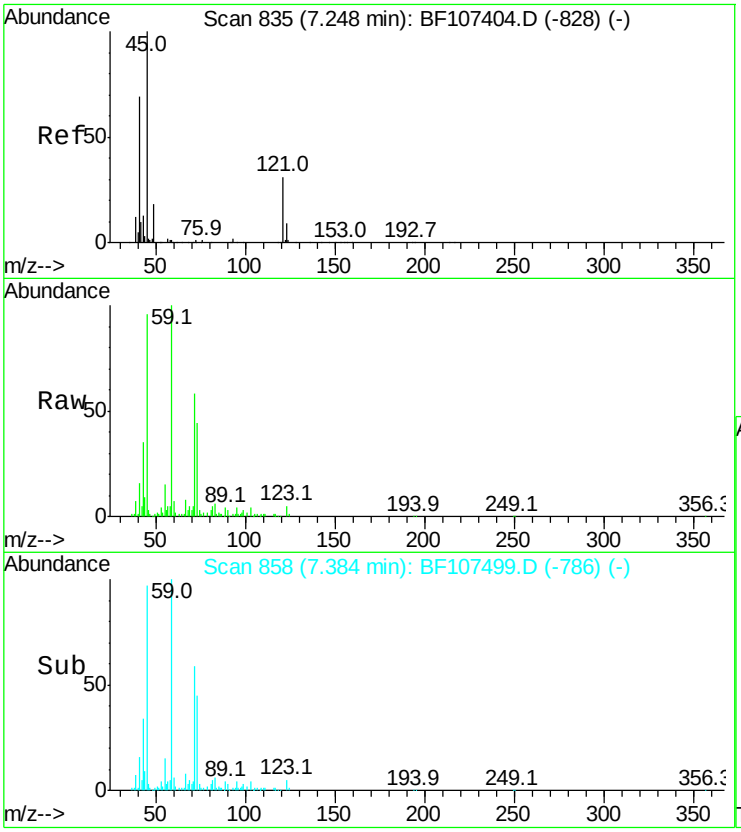




#15
Benzyl Alcohol
Concen: 3.343 ng
RT: 7.14 min Scan# 817
Delta R.T. 0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion: 79 Resp: 34104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 34.7 | 65.1 | 97.7# |
| 77 | 109.2 | 50.6 | 75.8# |



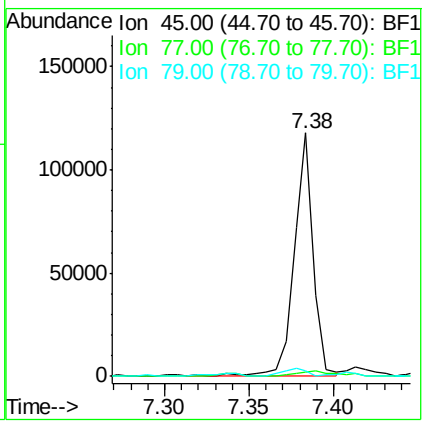


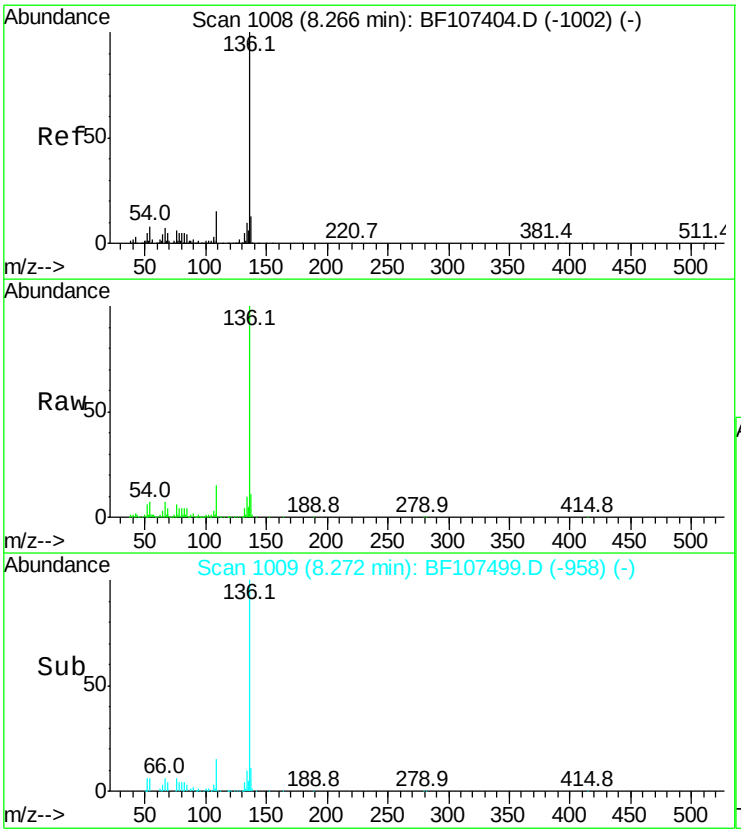

#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.832 ng
RT: 7.38 min Scan# 858
Delta R.T. 0.12 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion: 45 Resp: 93251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 1.7 | 0.0 | 32.9 |
| 79 | 2.1 | 0.0 | 29.6 |

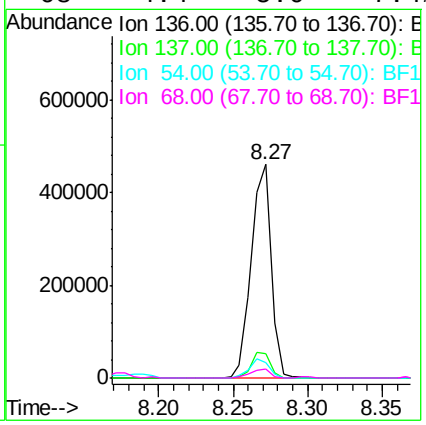


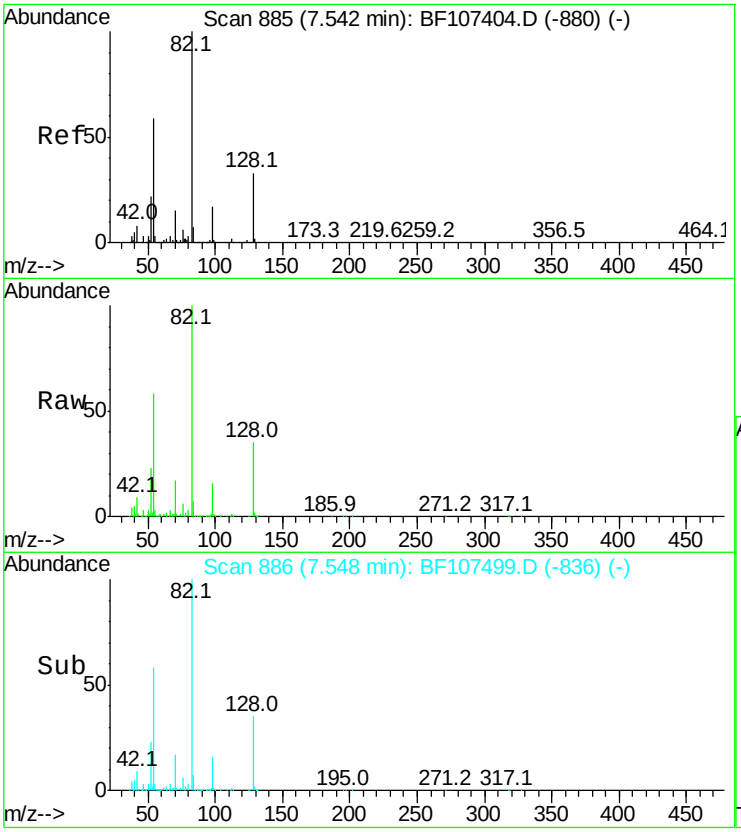




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:136 Resp: 423266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.9 | 13.3 |
| 54 | 7.0 | 6.6 | 9.8 |
| 68 | 4.4 | 5.0 | 7.4# |



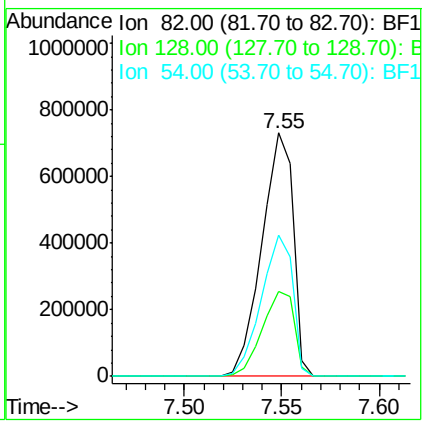


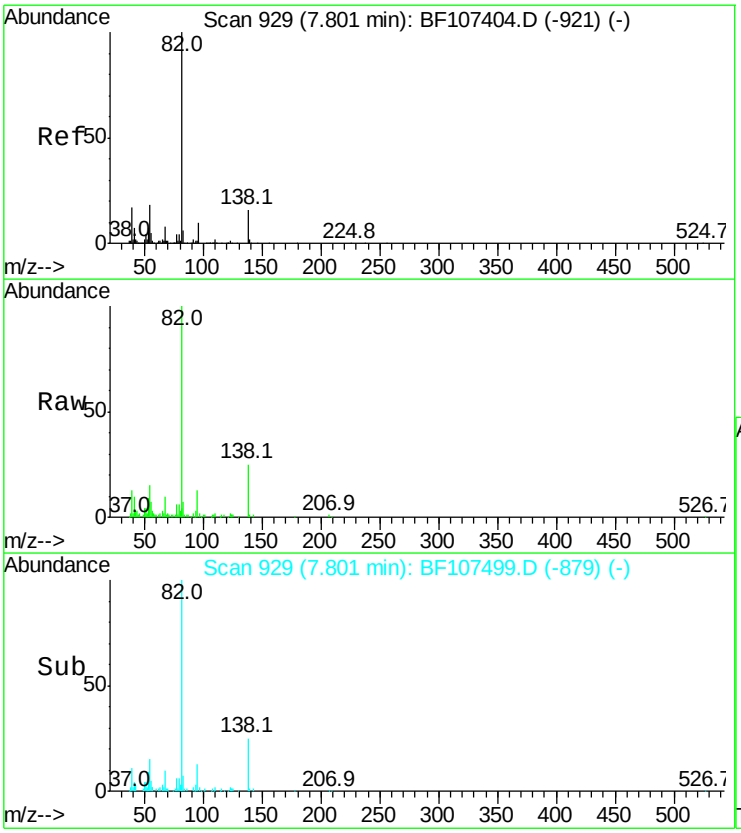

#23
Nitrobenzene-d5
Concen: 102.687 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion: 82 Resp: 815093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.9 | 36.1 | 54.1# |
| 54 | 58.0 | 41.4 | 62.2 |

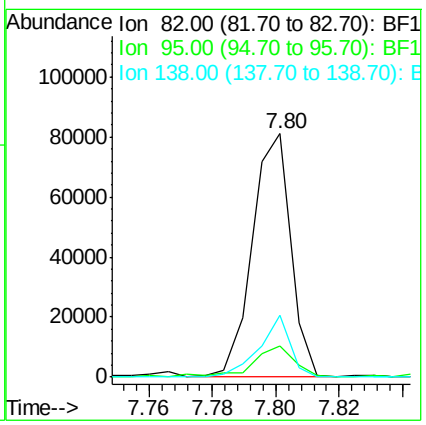


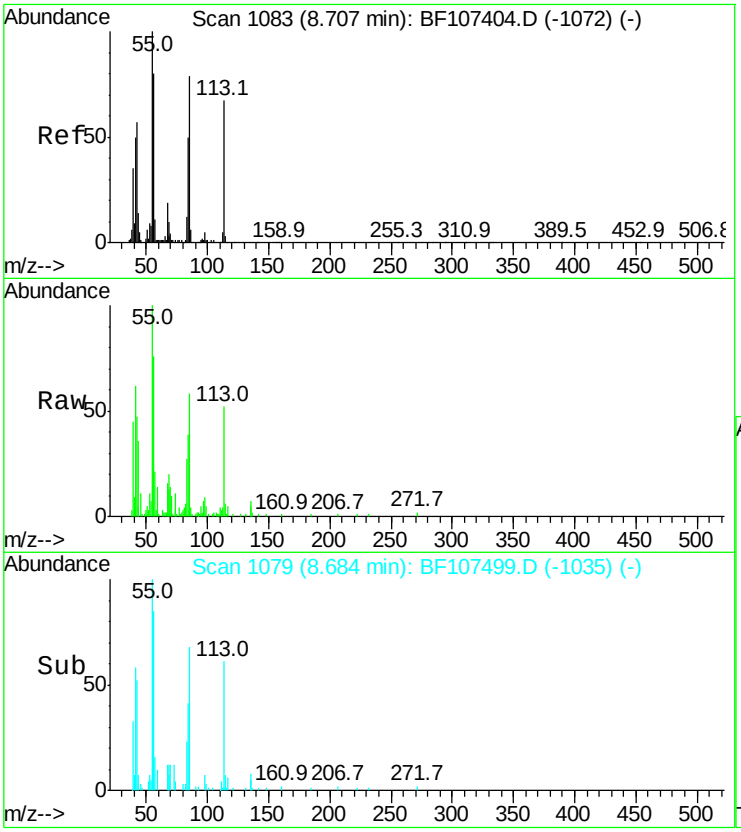




#25
Isophorone
Concen: 4.363 ng
RT: 7.80 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion: 82 Resp: 68637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 12.9 | 5.2 | 7.8# |
| 138 | 25.2 | 14.9 | 22.3# |



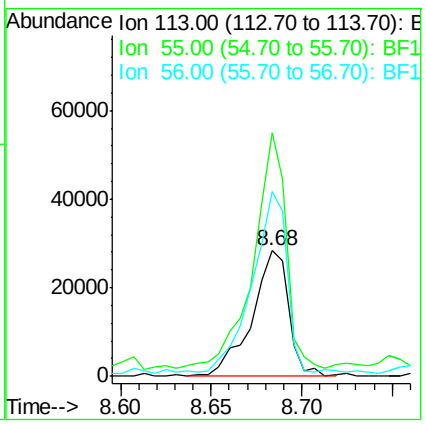


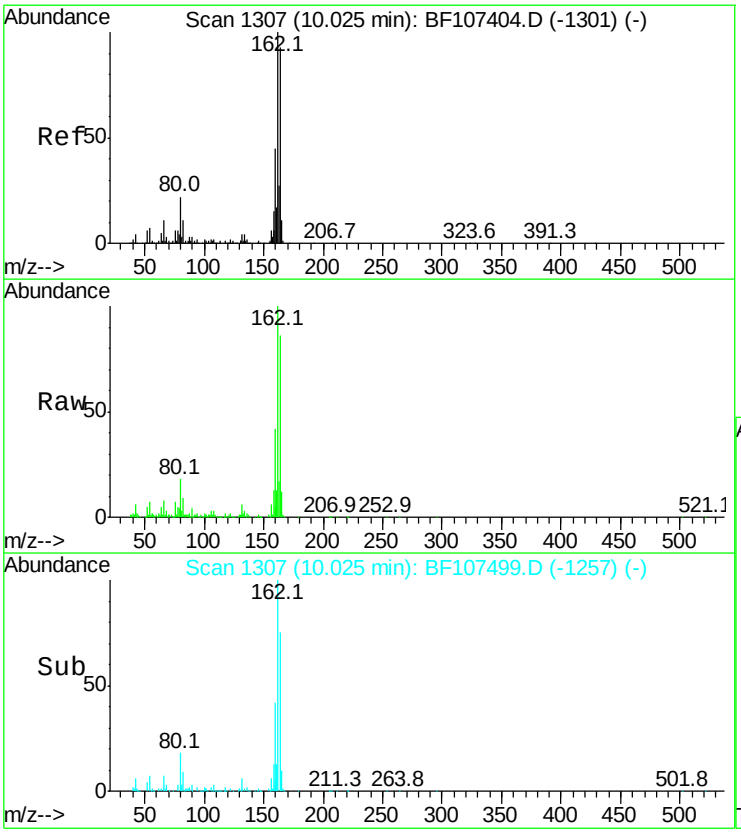

#35
Caprolactam
Concen: 18.800 ng
RT: 8.68 min Scan# 1079
Delta R.T. -0.04 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:113 Resp: 40240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 193.7 | 163.3 | 203.3 |
| 56 | 146.5 | 115.7 | 155.7 |

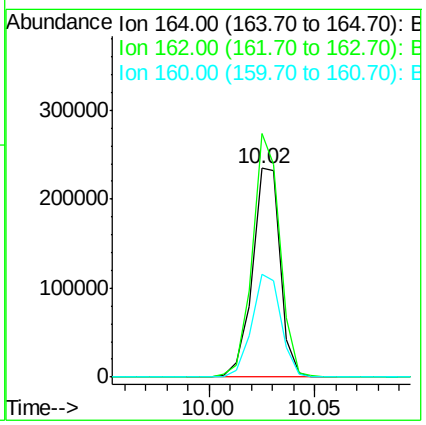


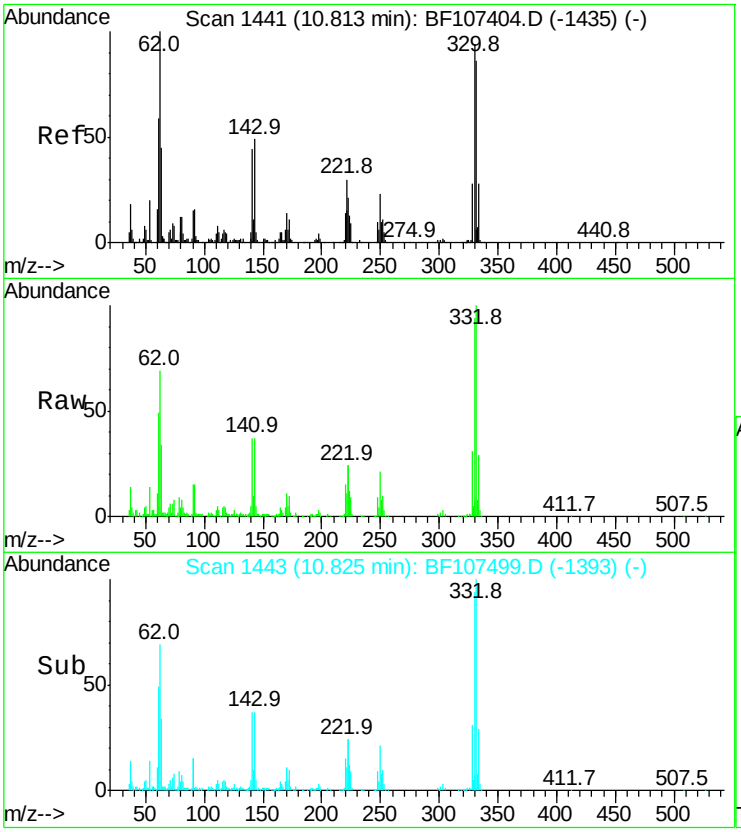




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:164 Resp: 215775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 116.6 | 86.1 | 129.1 |
| 160 | 49.1 | 38.3 | 57.5 |



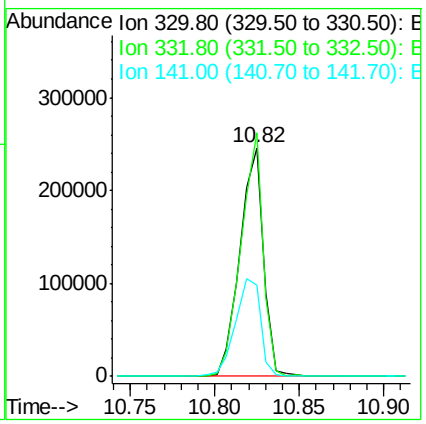


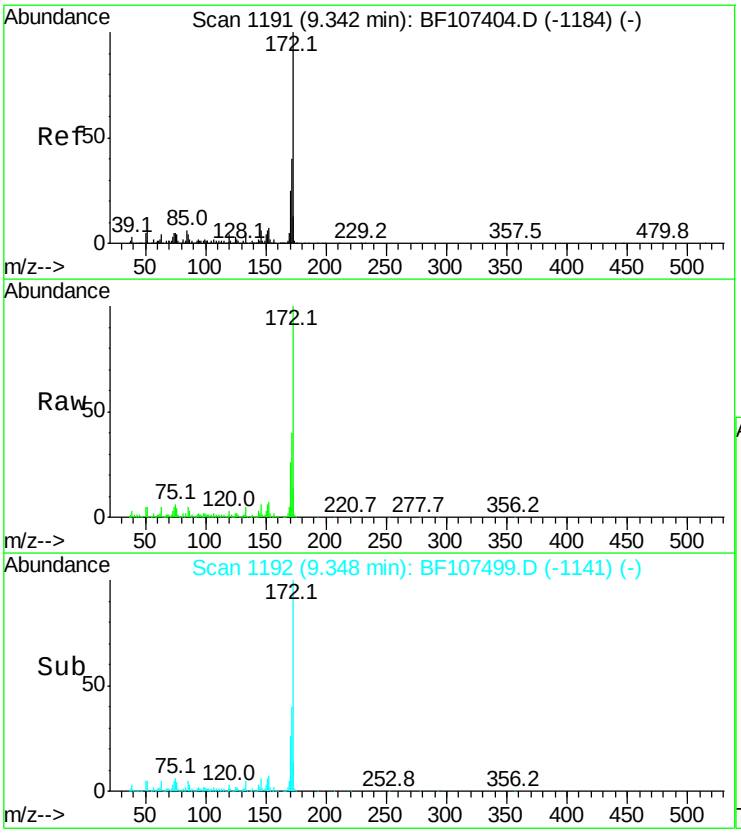

#41
2,4,6-Tribromophenol
Concen: 127.369 ng
RT: 10.82 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:330 Resp: 241471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.2 | 77.0 | 115.6 |
| 141 | 45.6 | 29.9 | 44.9# |

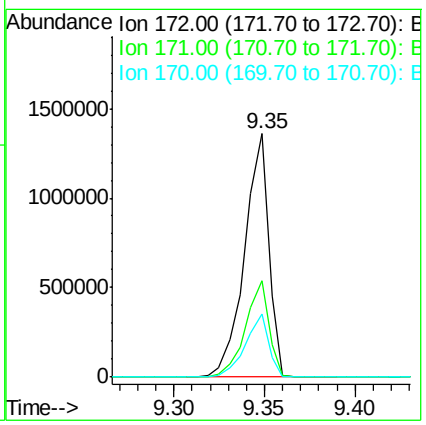


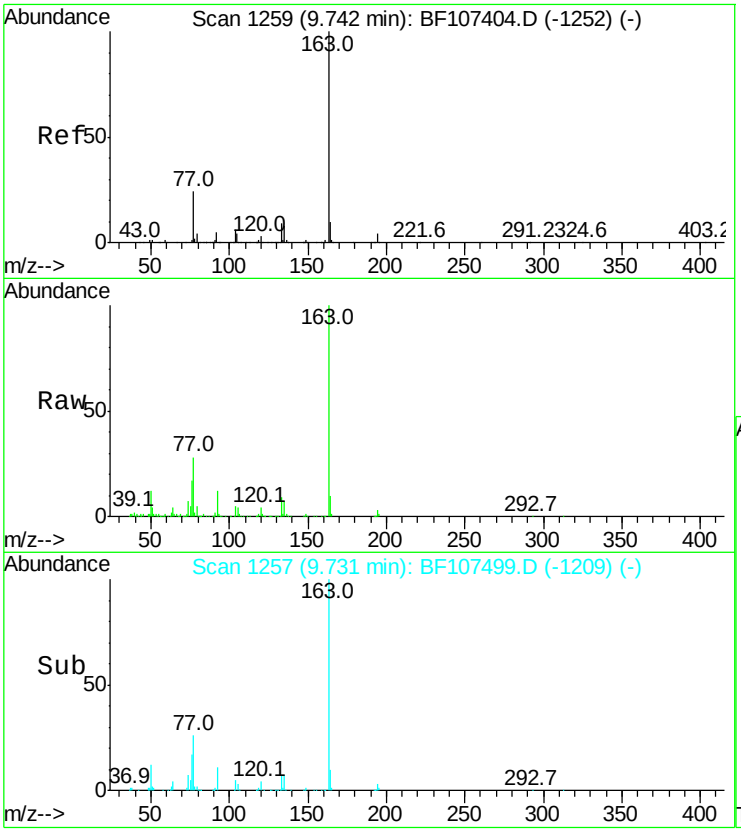




#44
2-Fluorobiphenyl
Concen: 99.497 ng
RT: 9.35 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:172 Resp: 1263694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.7 | 29.7 | 44.5 |
| 170 | 25.8 | 19.6 | 29.4 |



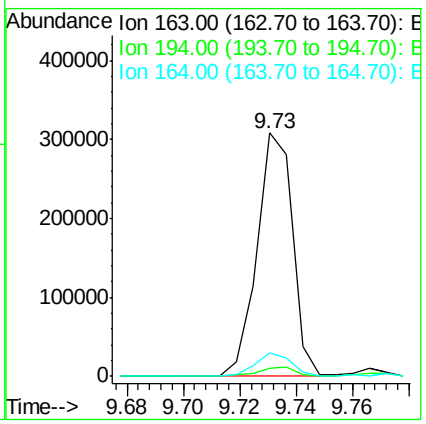


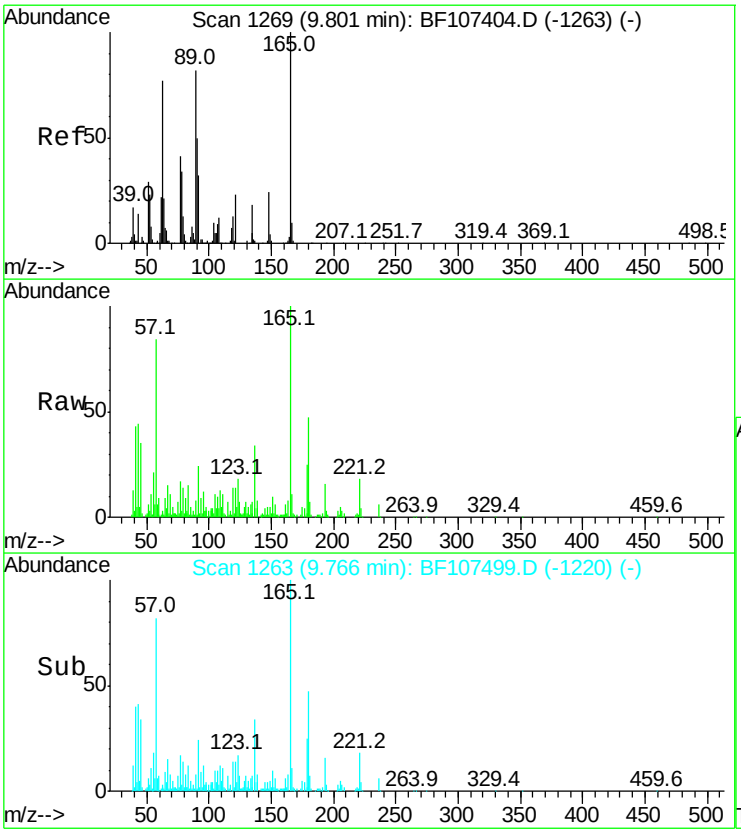

#49
Dimethylphthalate
Concen: 15.737 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:163 Resp: 269804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.7 | 4.1 |
| 164 | 9.8 | 8.2 | 12.2 |

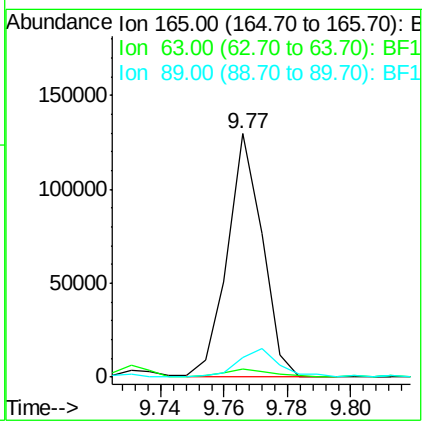


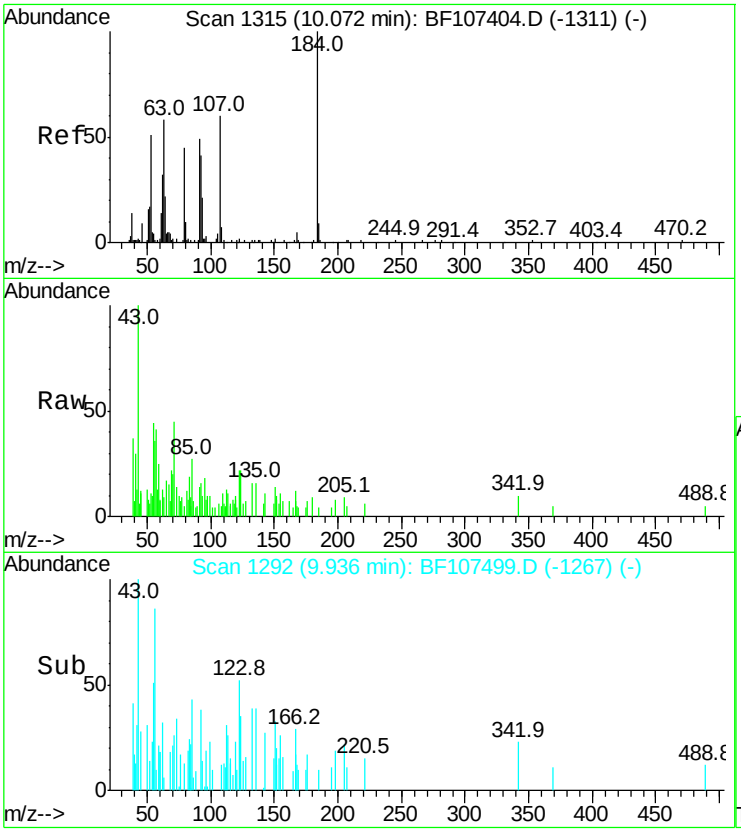




#50
2,6-Dinitrotoluene
Concen: 30.057 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.05 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:165 Resp: 98330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 3.4 | 44.7 | 67.1# |
| 89 | 8.2 | 44.0 | 66.0# |



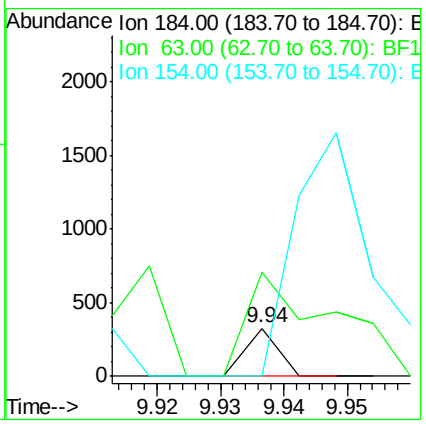


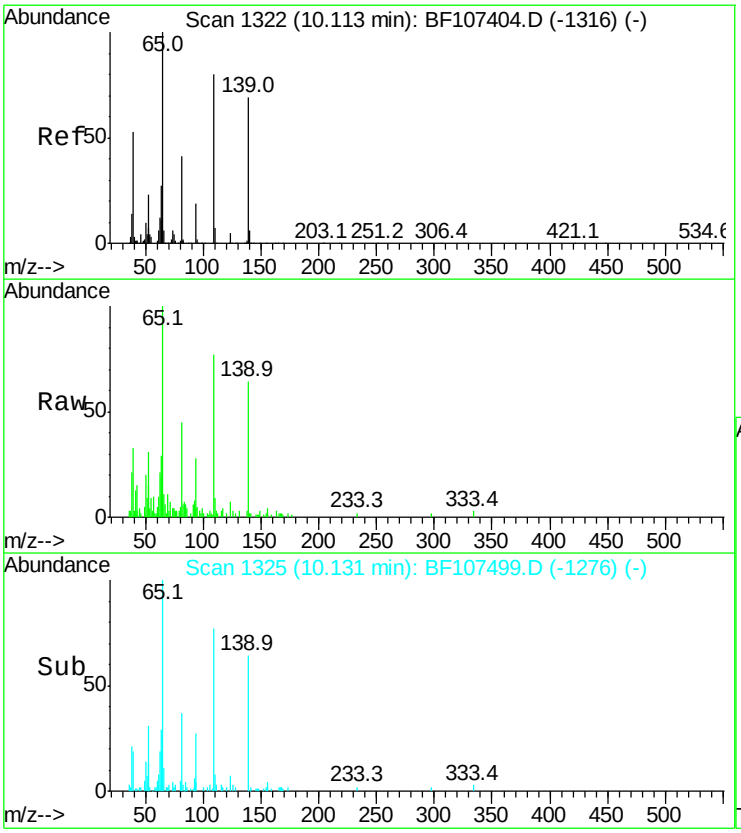

#53
2,4-Dinitrophenol
Concen: 2.393 ng
RT: 9.94 min Scan# 1292
Delta R.T. -0.15 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:184 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 215.9 | 54.2 | 81.2# |
| 154 | 0.0 | 184.0 | 276.0# |

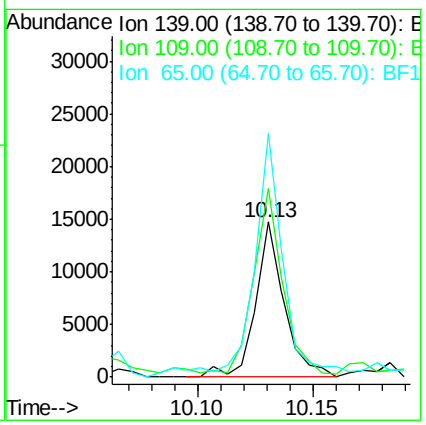


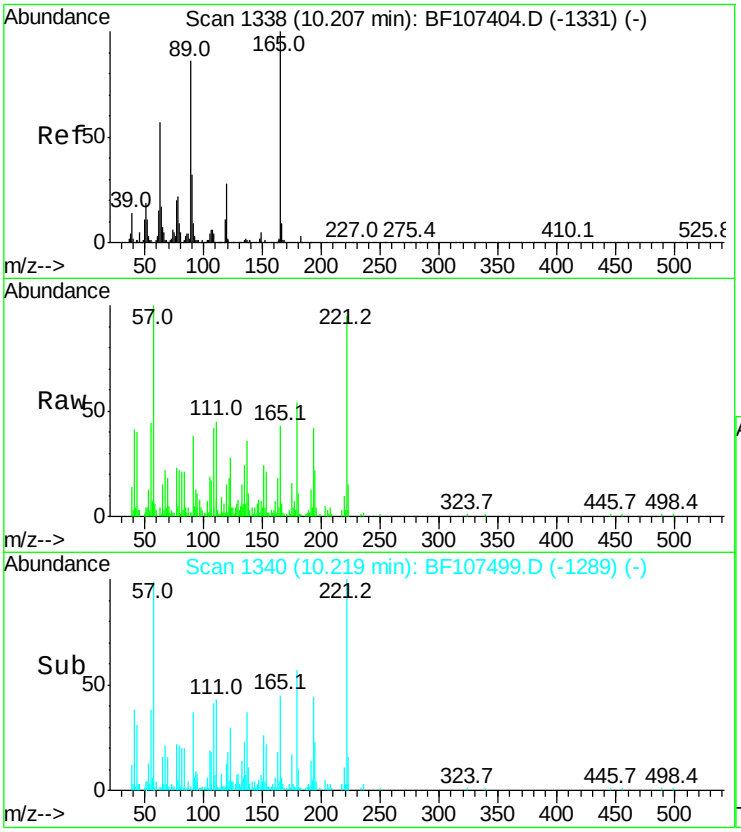




#55
4-Nitrophenol
Concen: 4.601 ng
RT: 10.13 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:139 Resp: 12794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 121.6 | 48.4 | 88.4# |
| 65 | 157.1 | 72.6 | 112.6# |



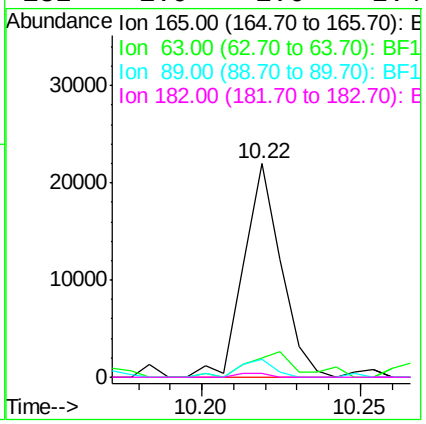


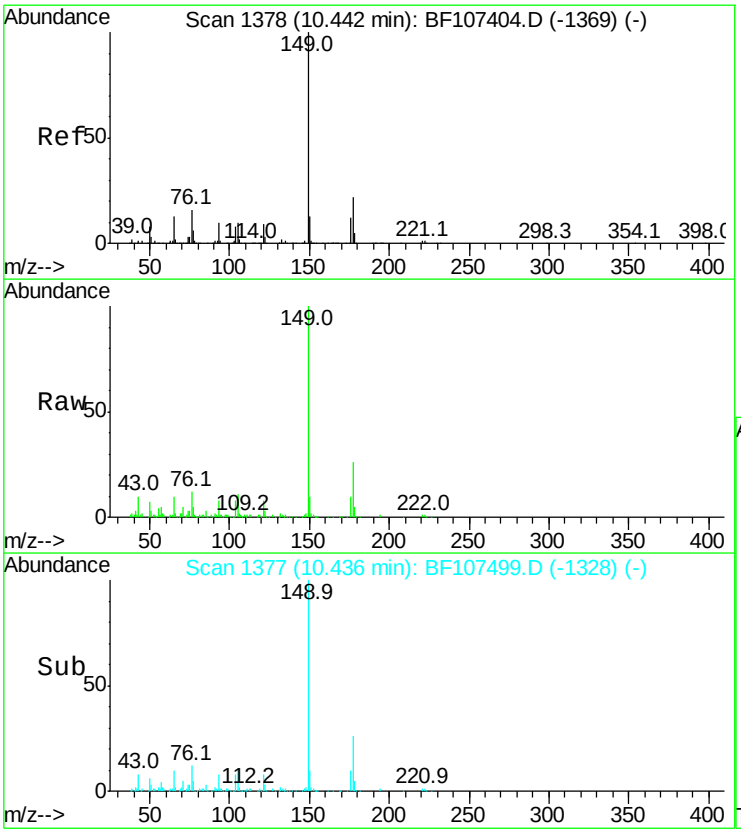

#56
2,4-Dinitrotoluene
Concen: 4.222 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:165 Resp: 18002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 8.8 | 36.4 | 54.6# |
| 89 | 8.2 | 57.8 | 86.6# |
| 182 | 1.9 | 1.6 | 2.4 |

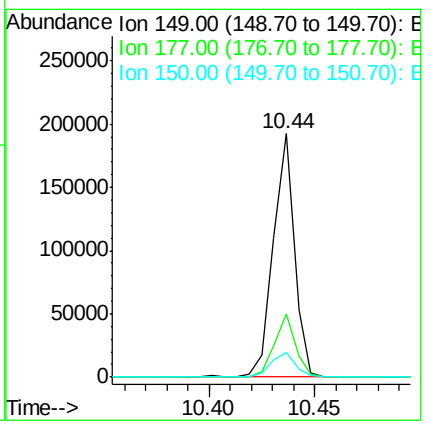


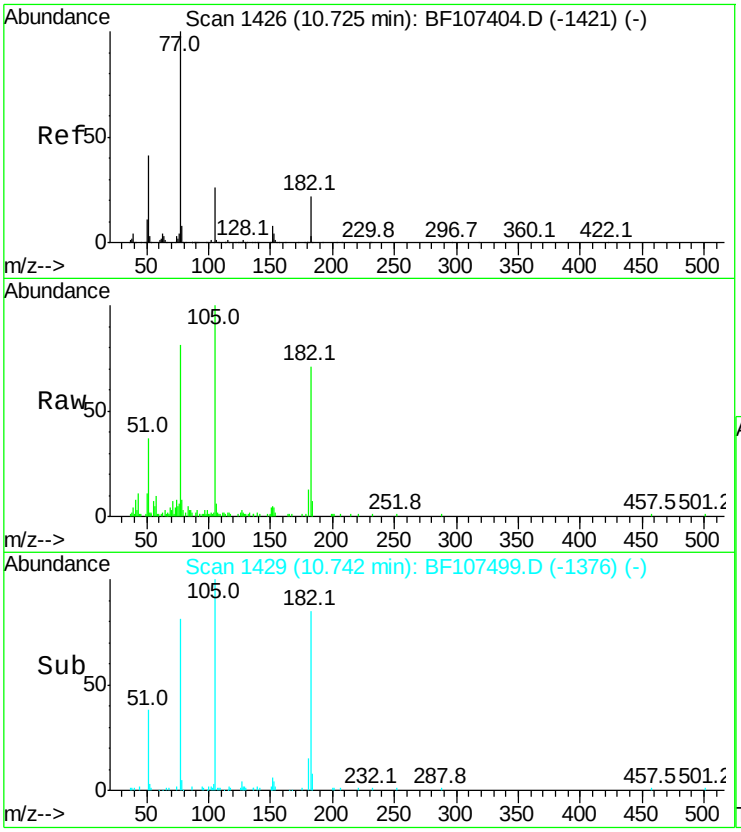




#59
Diethylphthalate
Concen: 8.047 ng
RT: 10.44 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:149 Resp: 134036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 25.8 | 16.1 | 24.1# |
| 150 | 10.2 | 10.1 | 15.1 |



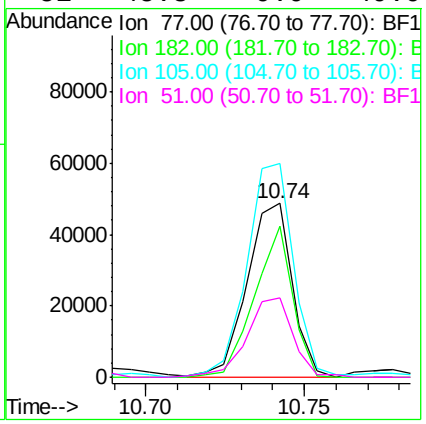


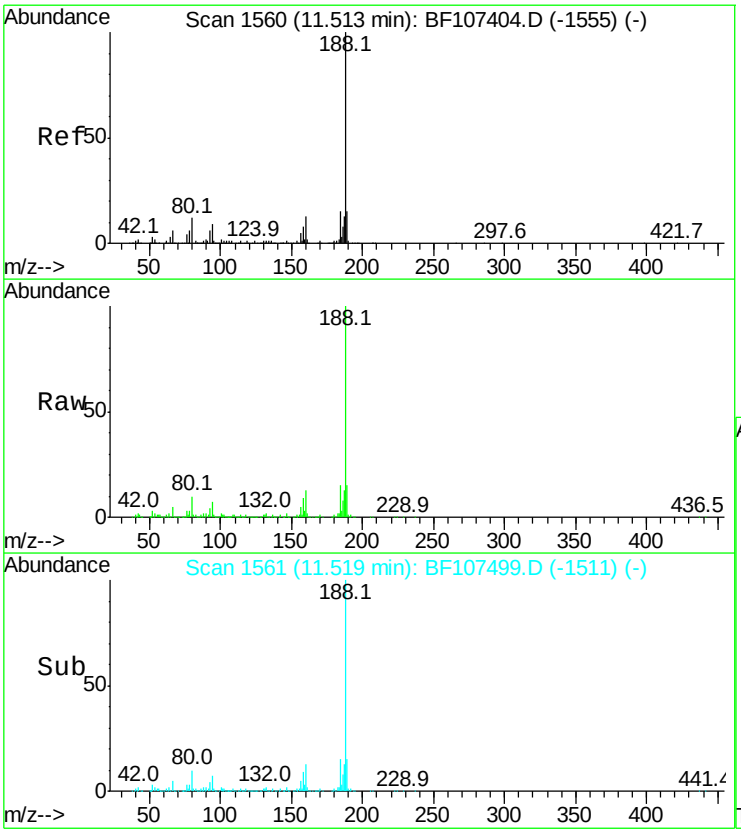

#62
Azobenzene
Concen: 2.470 ng
RT: 10.74 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion: 77 Resp: 48303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 87.0 | 1.7 | 41.7# |
| 105 | 123.0 | 3.0 | 43.0# |
| 51 | 45.8 | 9.9 | 49.9 |

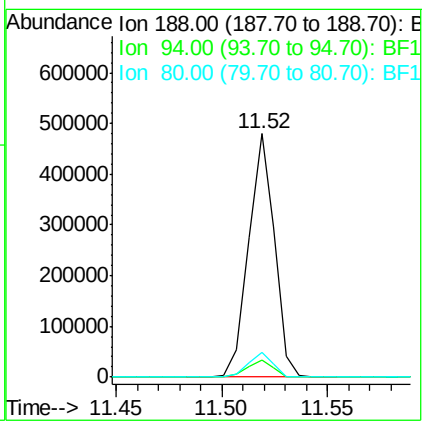


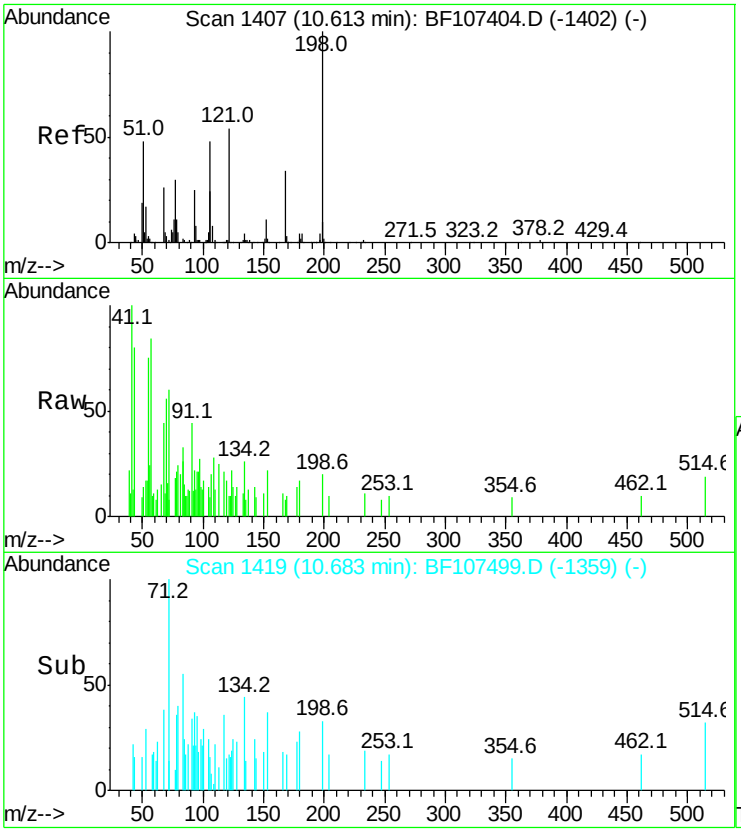




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:188 Resp: 409091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.0 | 8.5 | 12.7# |
| 80 | 10.1 | 9.2 | 13.8 |



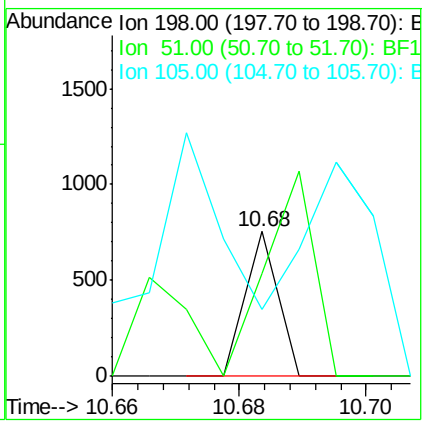


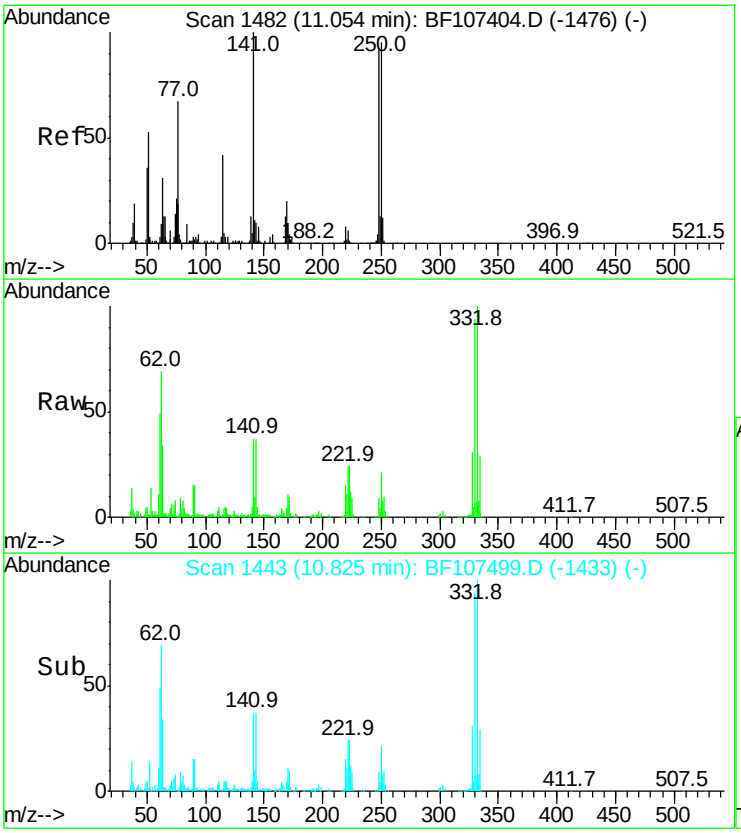

#64
4,6-Dinitro-2-methylphenol
Concen: 7.592 ng
RT: 10.68 min Scan# 1419
Delta R.T. 0.05 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:198 Resp: 267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 71.1 | 37.7 | 77.7 |
| 105 | 46.6 | 36.3 | 76.3 |

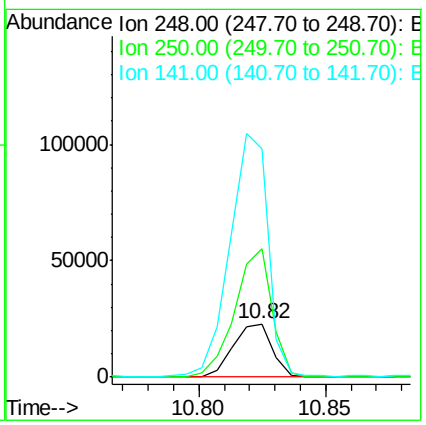


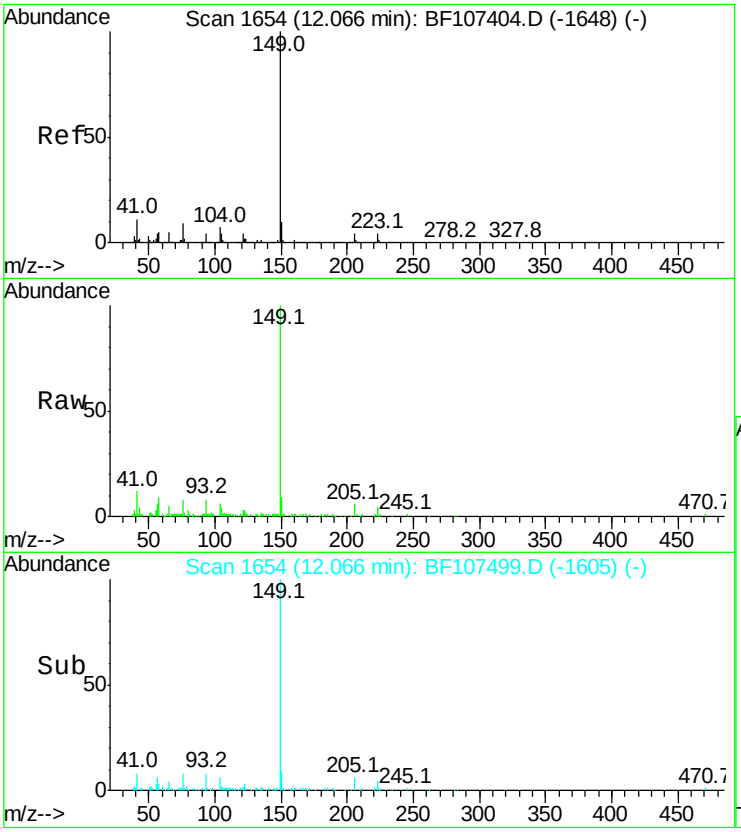




#66
4-Bromophenyl-phenylether
Concen: 5.214 ng
RT: 10.82 min Scan# 1443
Delta R.T. -0.24 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:248 Resp: 24402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 242.5 | 76.9 | 115.3# |
| 141 | 431.2 | 74.4 | 111.6# |



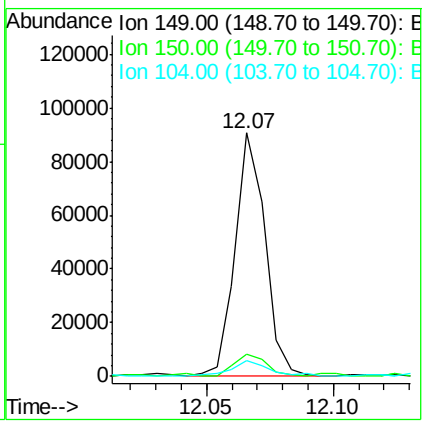


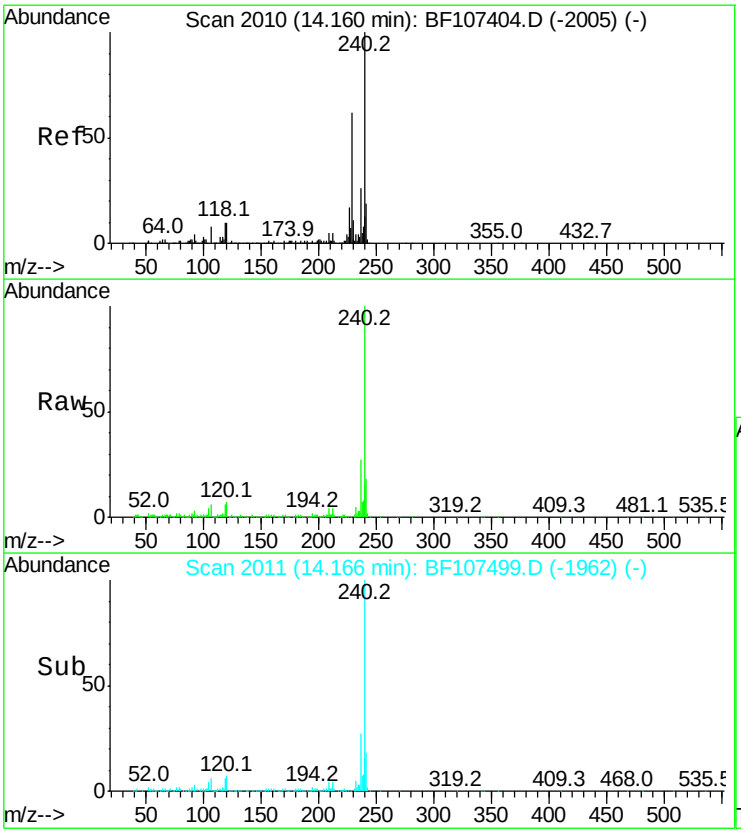

#73
Di-n-butylphthalate
Concen: 3.368 ng
RT: 12.07 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:149 Resp: 74411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.8 | 11.6 |
| 104 | 6.4 | 3.8 | 5.8# |

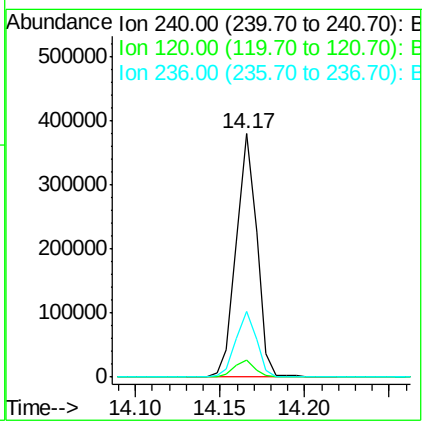


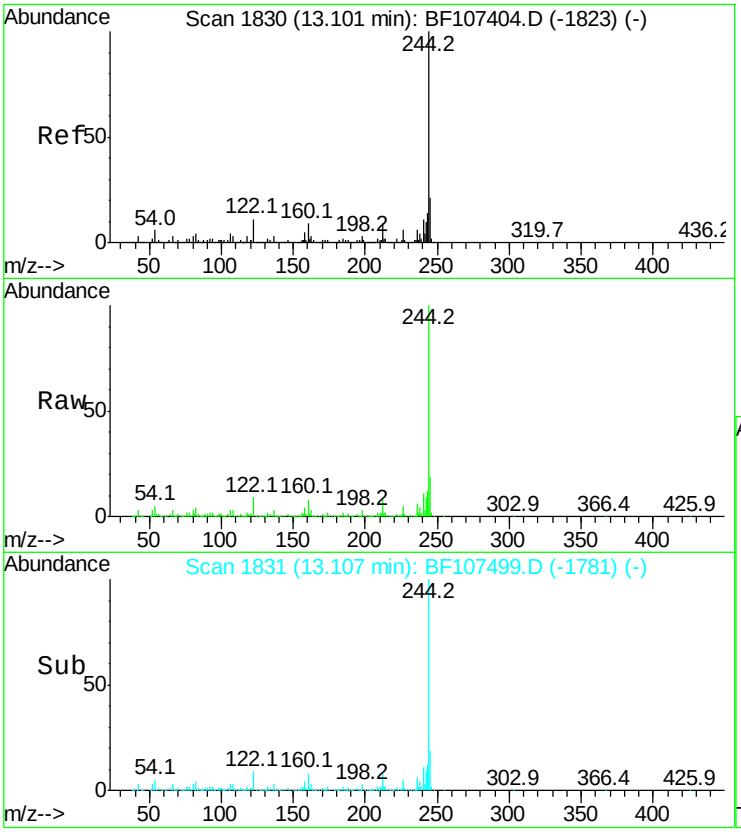




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:240 Resp: 323017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.1 | 9.5 | 14.3# |
| 236 | 26.9 | 20.7 | 31.1 |



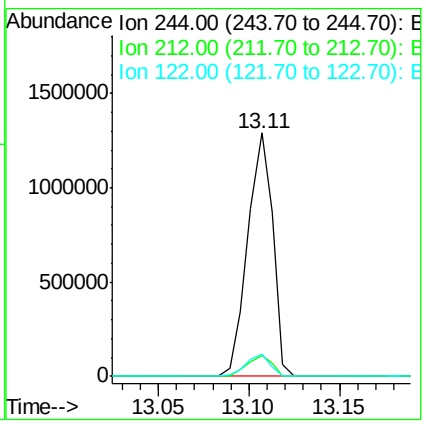


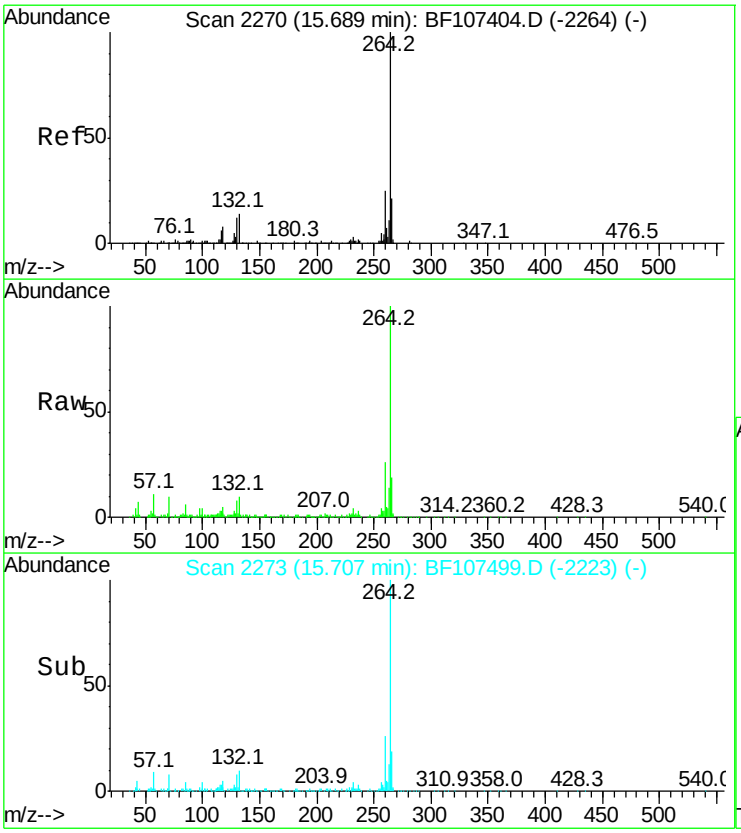

#78
Terphenyl-d14
Concen: 95.440 ng
RT: 13.11 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

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

Tgt Ion:244 Resp: 1240802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 5.4 | 8.0# |
| 122 | 9.3 | 11.0 | 16.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF107499.D
Acq: 19 Jul 2018 7:09

Tgt Ion:264 Resp: 290661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.7 | 19.2 | 28.8 |
| 265 | 19.1 | 17.5 | 26.3 |