Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107744.D
Acq On : 27 Jul 2018 14:33
Operator : JU/SJ
Sample : J4180-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jul 27 17:07:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.96 | 152 | 164163 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 8.24 | 136 | 655571 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 288271 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 548184 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 14.14 | 240 | 398124 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.67 | 264 | 460216 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 818384 | 80.15 | ng | -0.01 |
| 7) Phenol-d6 | 6.60 | 99 | 1105892 | 90.20 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 657177 | 67.65 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 318641 | 97.20 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 1193938 | 66.77 | ng | -0.02 |
| 78) Terphenyl-d14 | 13.08 | 244 | 970601 | 62.41 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.52 | 70 | 82632 | 10.433 | ng | # 81 |
| 25) Isophorone | 7.52 | 82 | 657177 | 31.685 | ng | # 64 |
| 49) Dimethylphthalate | 9.71 | 163 | 90825 | 4.180 | ng | 98 |
| 50) 2,6-Dinitrotoluene | 10.00 | 165 | 35562 | 8.244 | ng | # 26 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 36636 | 7.036 | ng | # 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.79 | 198 | 519 | 8.841 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 18658 | 2.891 | ng | # 1 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 9146 | Below Cal | | # 91 |
| 74) Fluoranthene | 12.71 | 202 | 88716 | 3.095 | ng | 98 |
| 77) Pyrene | 12.94 | 202 | 91465 | 3.359 | ng | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 128 | Below Cal | | # 1 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 69480 | 2.759 | ng | # 95 |
| 88) Benzo(k)fluoranthene | 15.22 | 252 | 69480 | 2.816 | ng | # 94 |

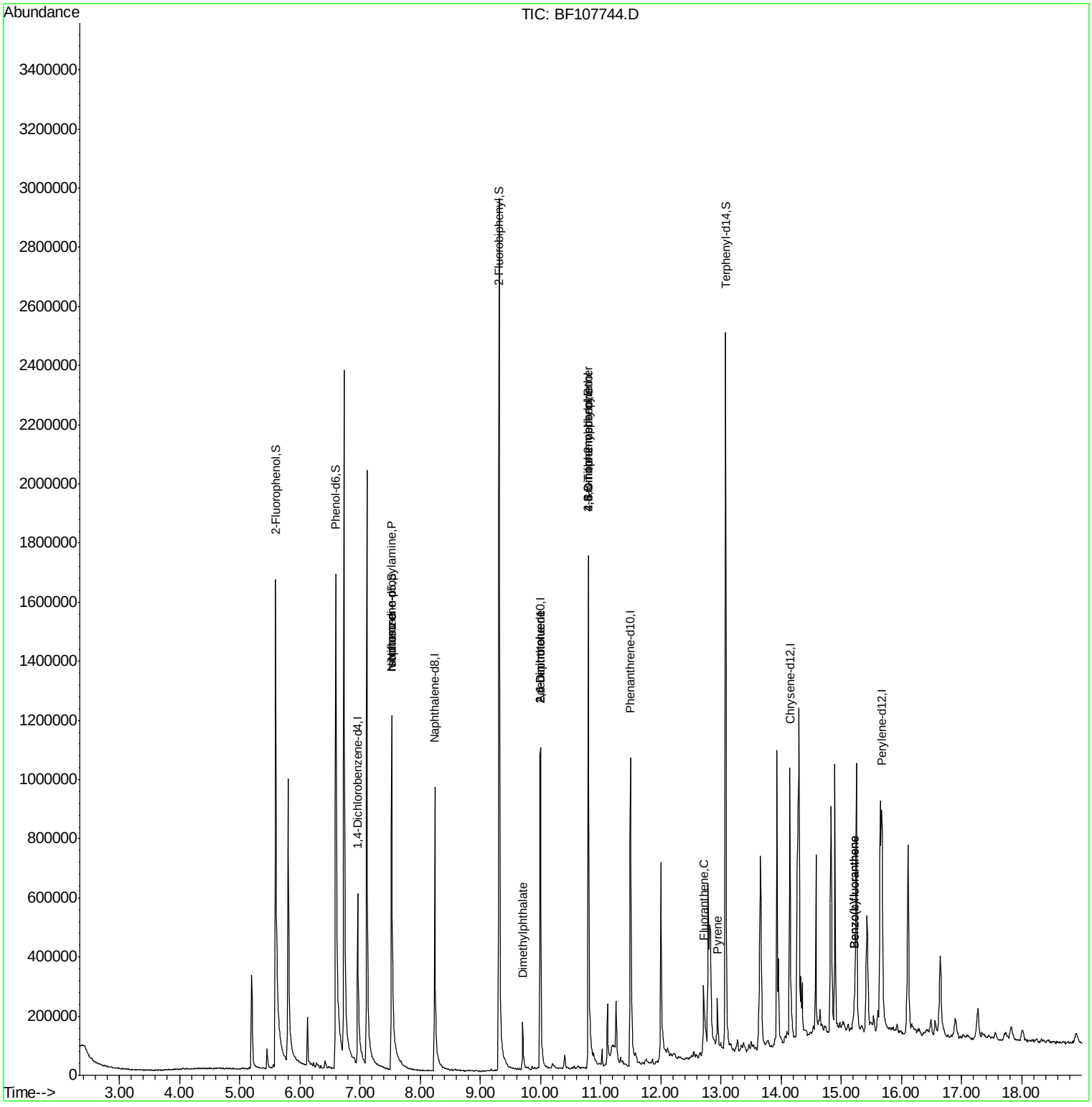
(#) = qualifier out of range (m) = manual integration (+) = signals summed

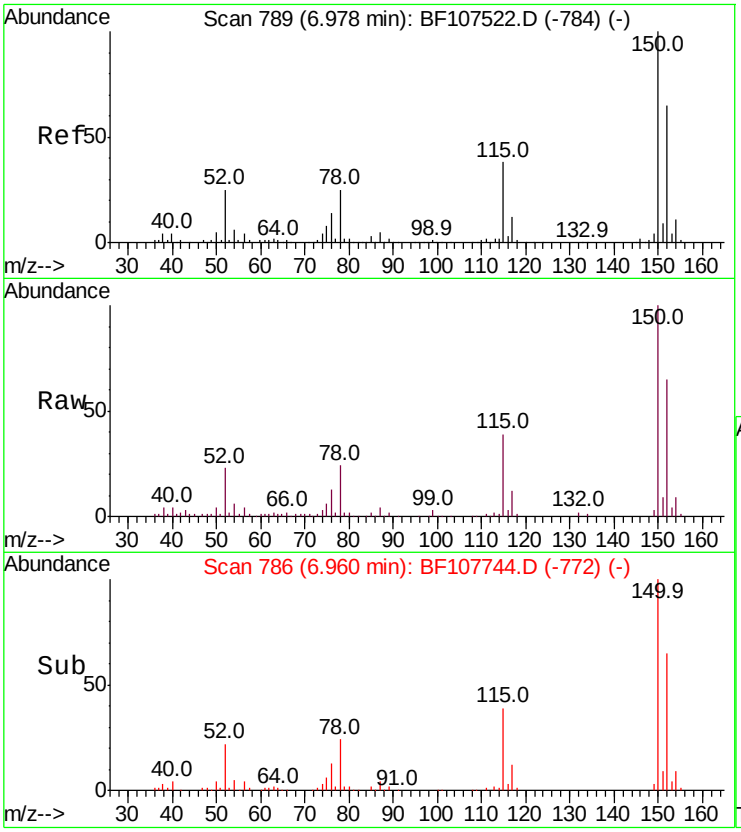
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107744.D
Acq On : 27 Jul 2018 14:33
Operator : JU/SJ
Sample : J4180-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jul 27 17:07:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



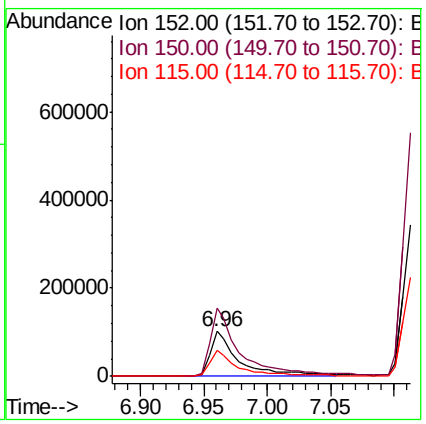


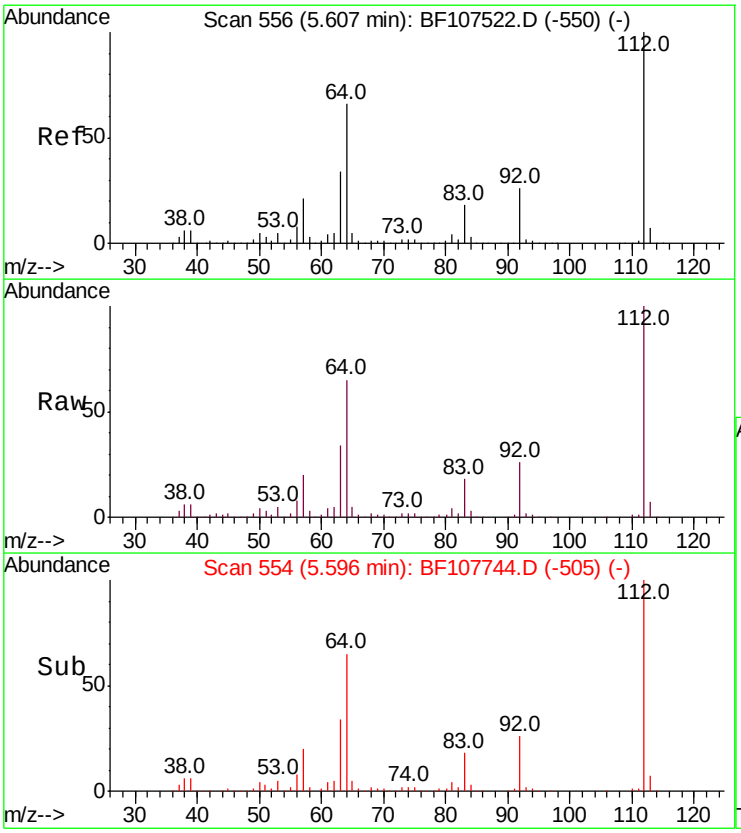

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:152 Resp: 164163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.8 | 124.6 | 186.8 |
| 115 | 59.5 | 50.1 | 75.1 |

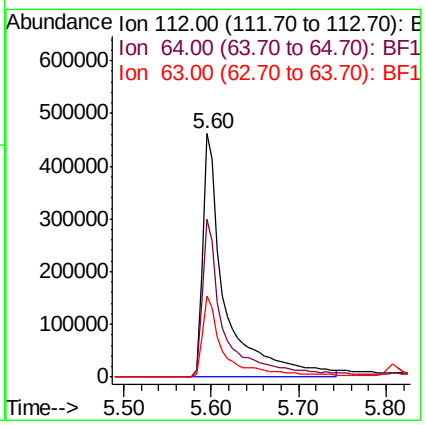


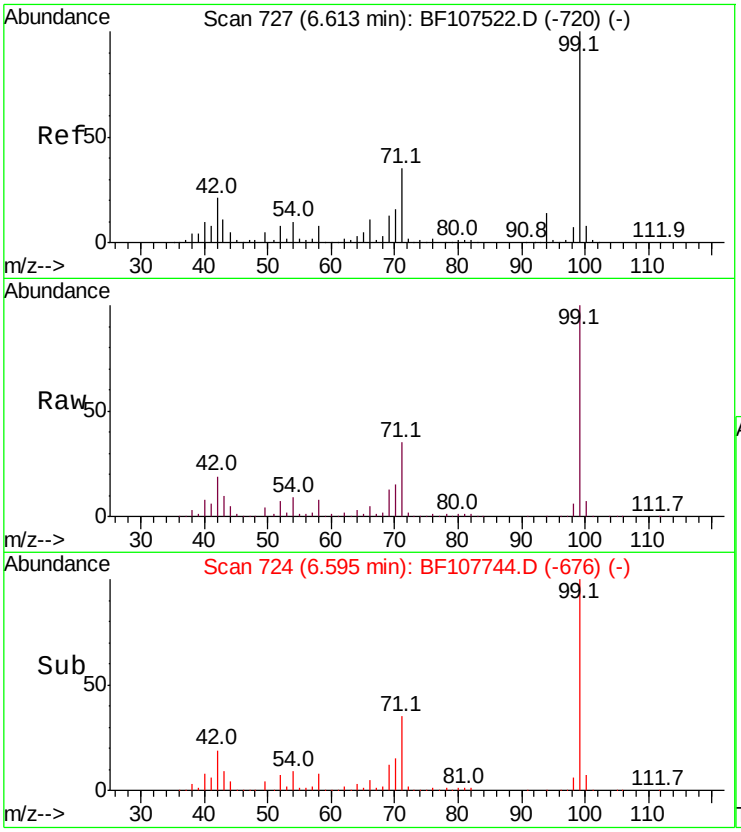




#5
2-Fluorophenol
Concen: 80.152 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:112 Resp: 818384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.1 | 47.9 | 71.9 |
| 63 | 33.5 | 23.7 | 35.5 |



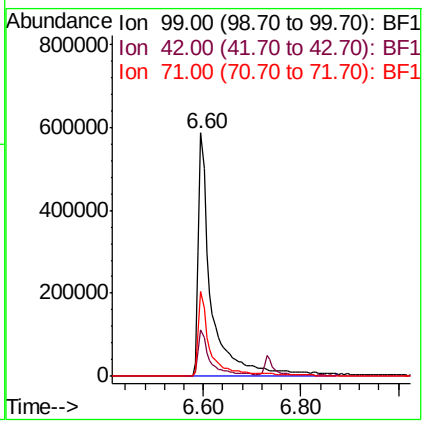


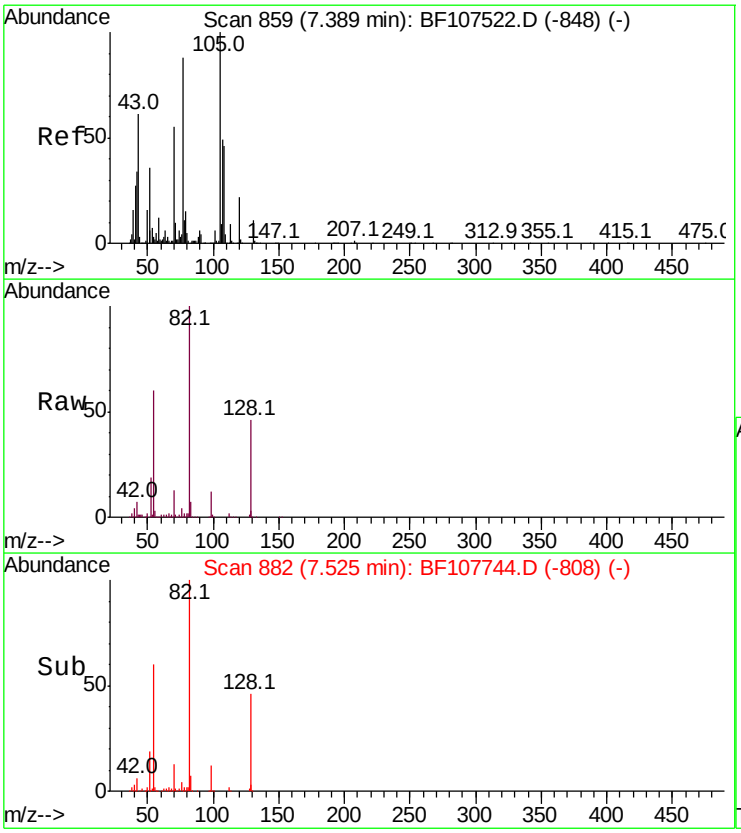

#7
Phenol-d6
Concen: 90.204 ng
RT: 6.60 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion: 99 Resp: 1105892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 14.5 | 21.7 |
| 71 | 34.9 | 25.4 | 38.0 |

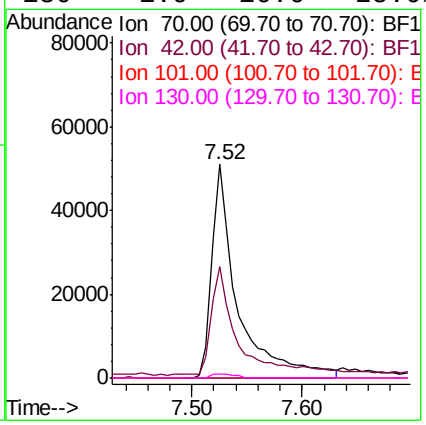


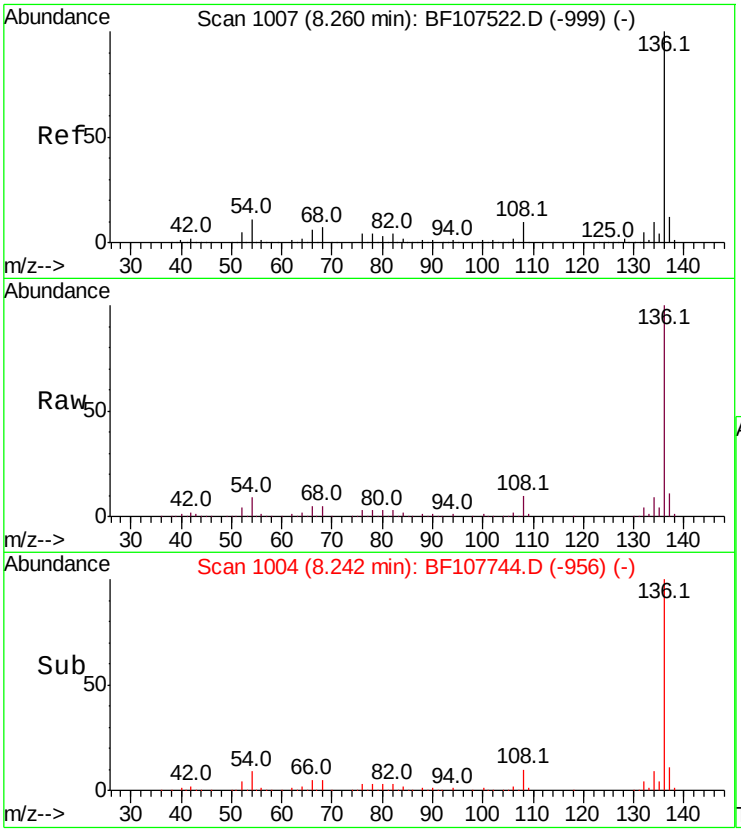




#19
n-Nitroso-di-n-propylamine
Concen: 10.433 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion: 70 Resp: 82632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.0 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 16.6 | 25.0# |



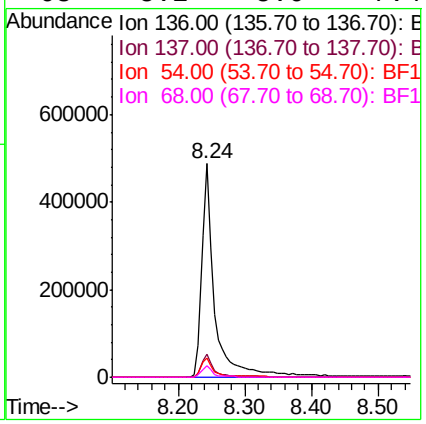


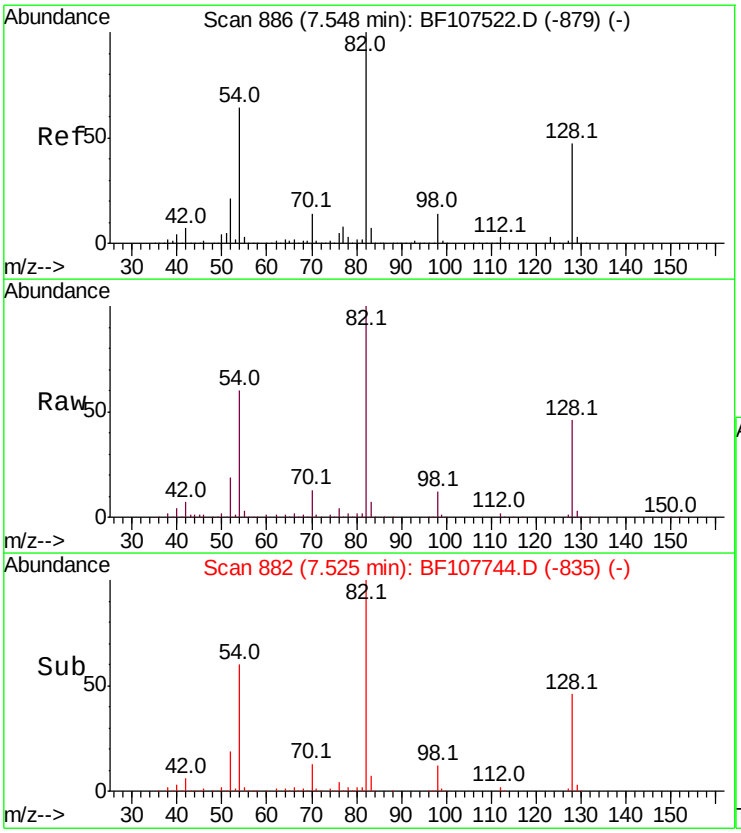

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:136 Resp: 655571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 9.0 | 6.6 | 9.8 |
| 68 | 5.2 | 5.0 | 7.4 |

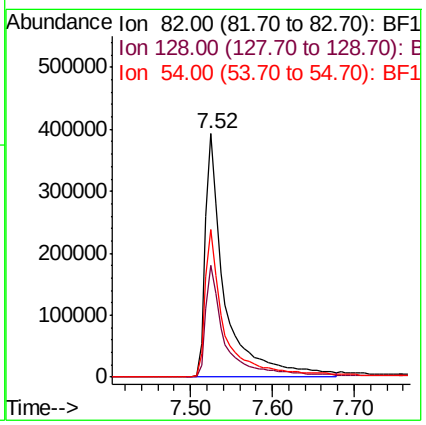


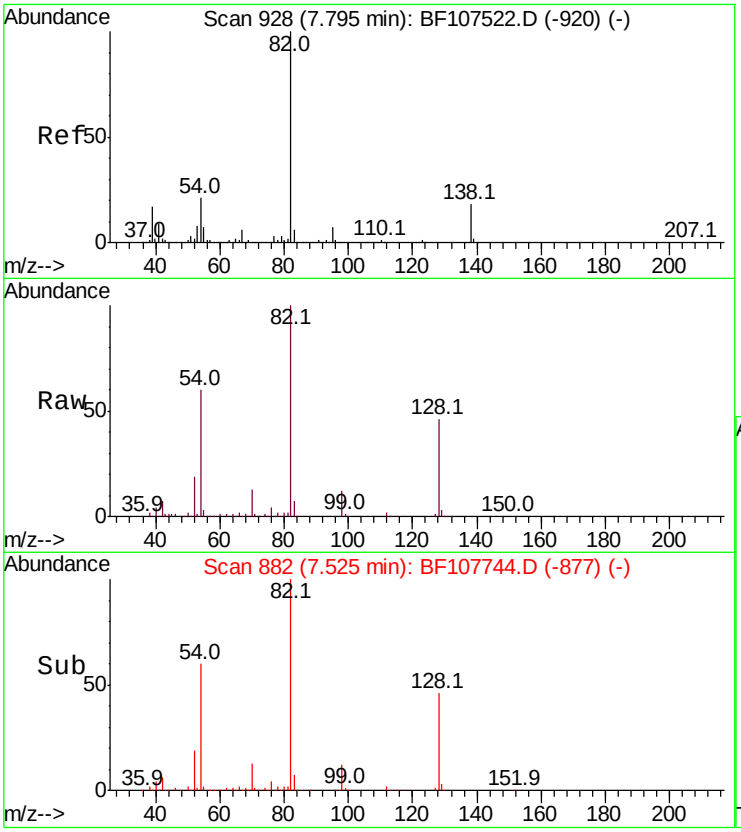




#23
Nitrobenzene-d5
Concen: 67.653 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion: 82 Resp: 657177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.1 | 36.1 | 54.1 |
| 54 | 60.4 | 41.4 | 62.2 |



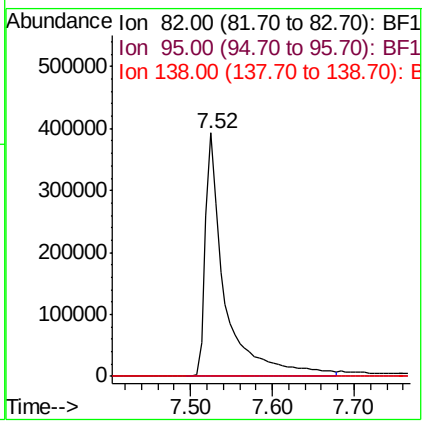


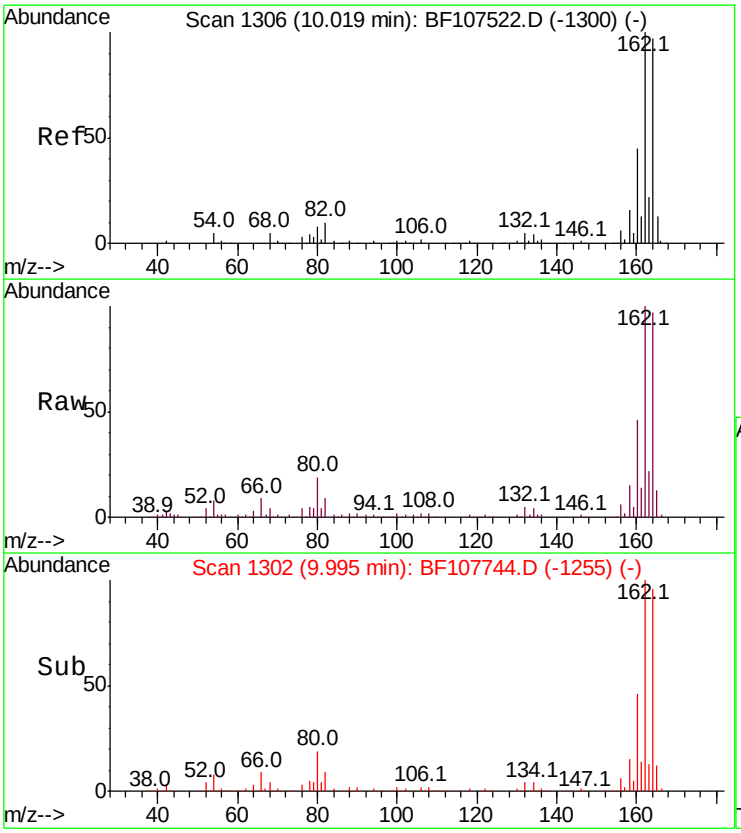

#25
Isophorone
Concen: 31.685 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion: 82 Resp: 657177

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

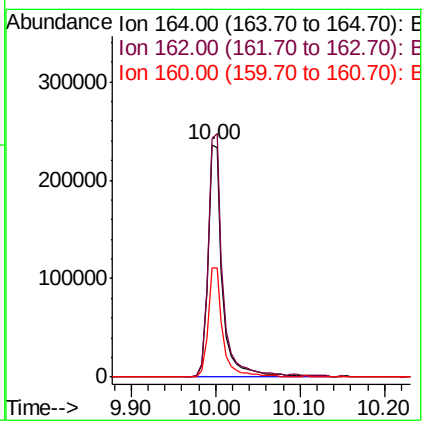


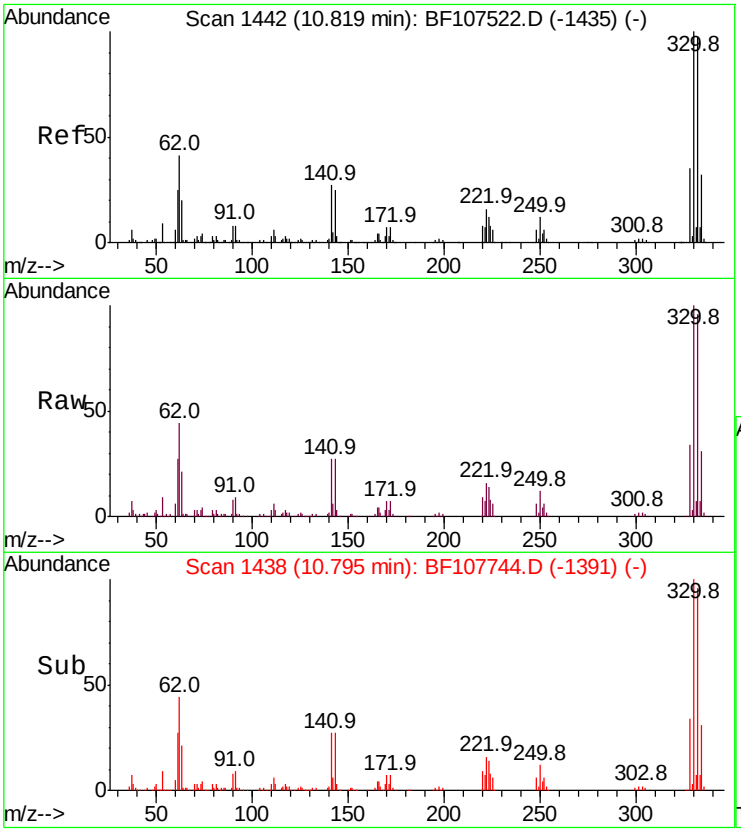




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:164 Resp: 288271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 86.1 | 129.1 |
| 160 | 46.8 | 38.3 | 57.5 |



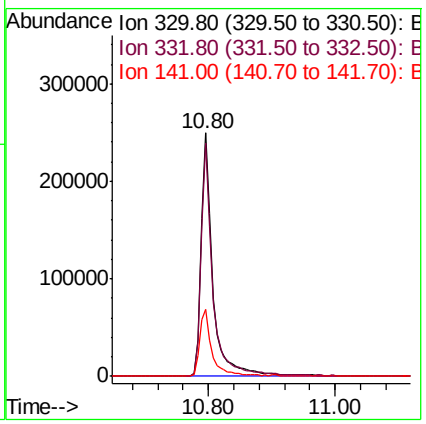


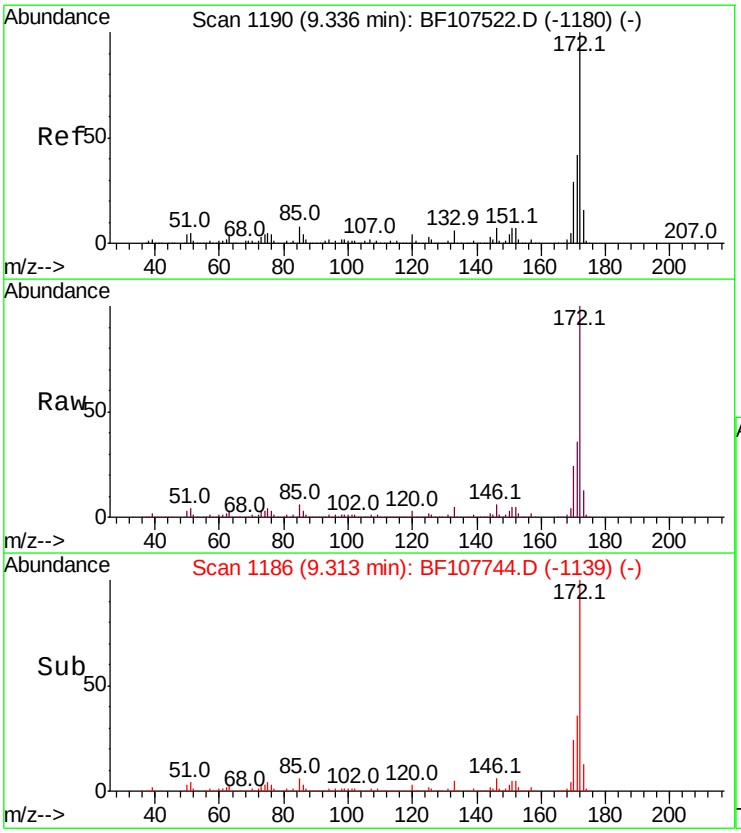

#41
2,4,6-Tribromophenol
Concen: 97.203 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:330 Resp: 318641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 77.0 | 115.6 |
| 141 | 29.4 | 29.9 | 44.9# |

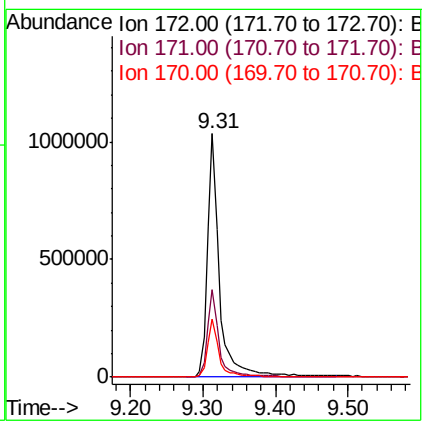


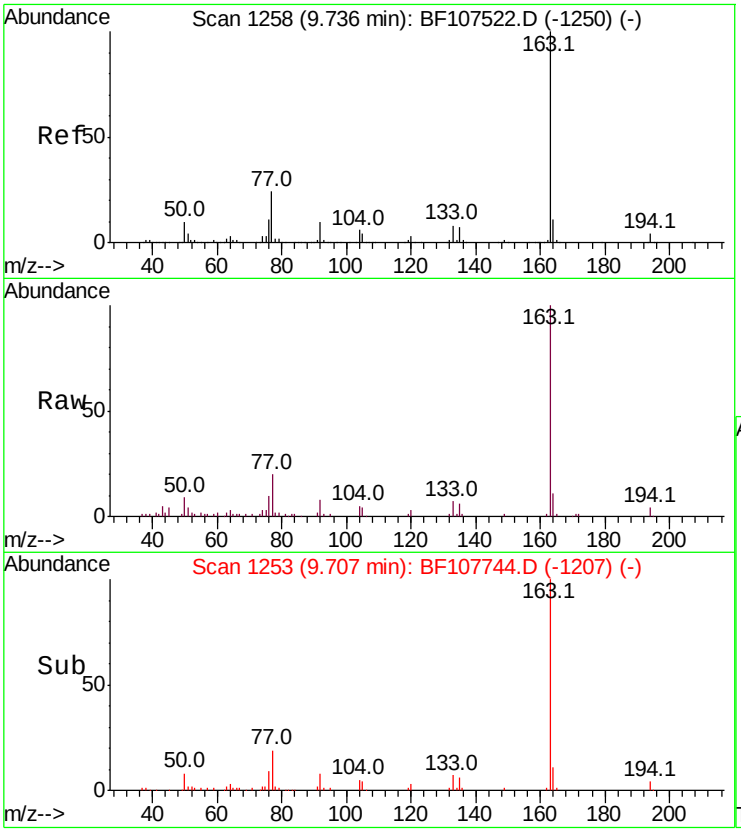




#44
2-Fluorobiphenyl
Concen: 66.774 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:172 Resp: 1193938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.7 | 44.5 |
| 170 | 23.7 | 19.6 | 29.4 |



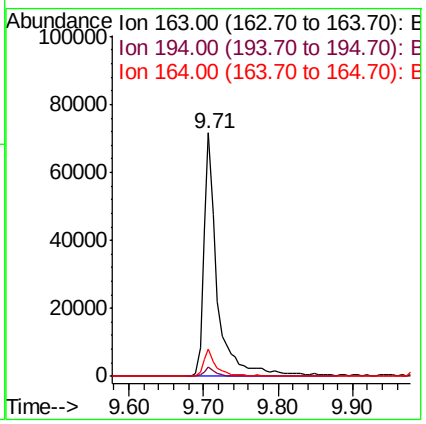


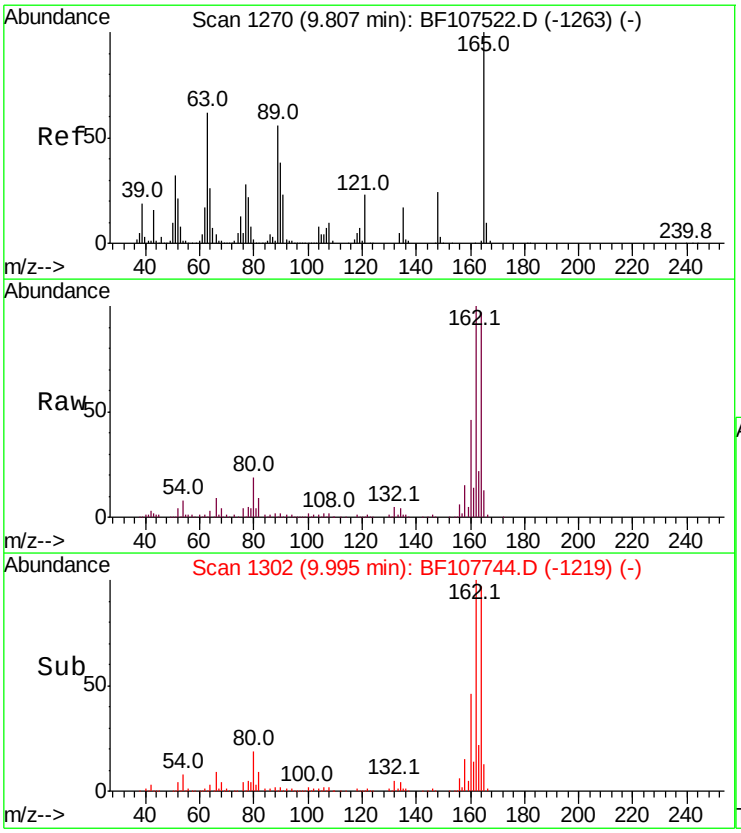

#49
Dimethylphthalate
Concen: 4.180 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:163 Resp: 90825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.7 | 4.1 |
| 164 | 11.0 | 8.2 | 12.2 |

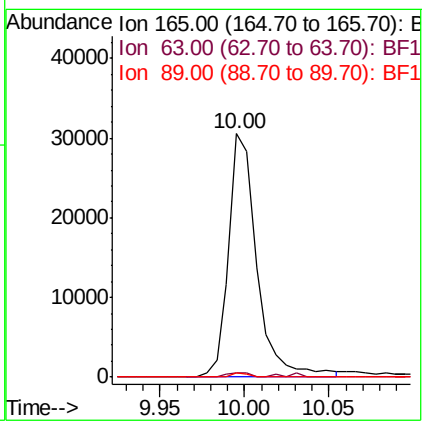


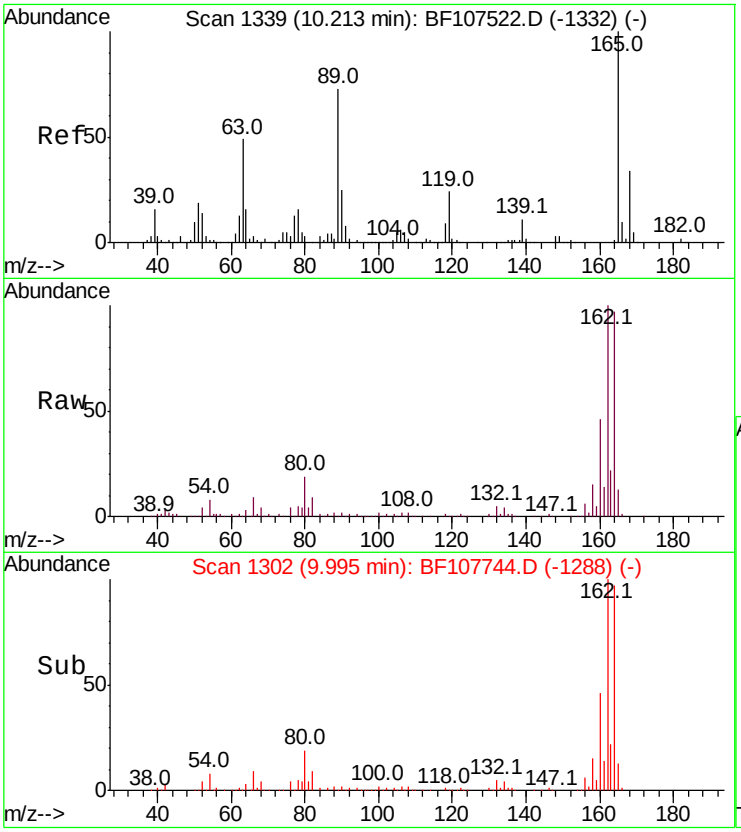




#50
2,6-Dinitrotoluene
Concen: 8.244 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.19 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:165 Resp: 35562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 44.7 | 67.1# |
| 89 | 1.7 | 44.0 | 66.0# |



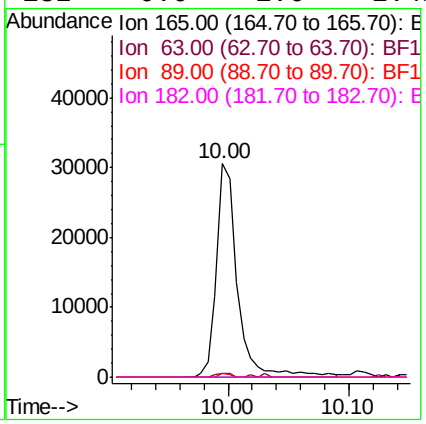


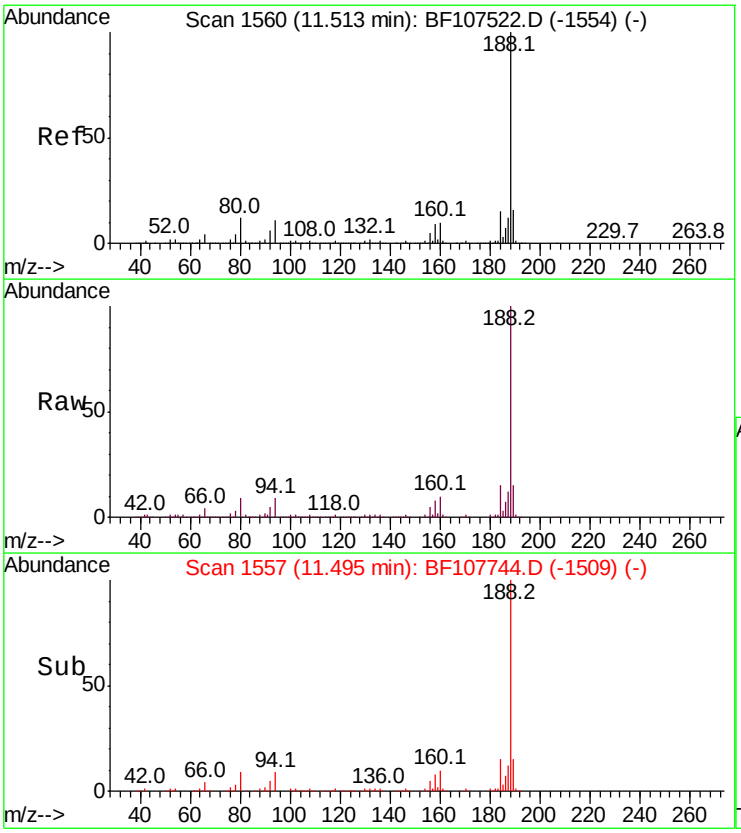

#56
2,4-Dinitrotoluene
Concen: 7.036 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.22 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:165 Resp: 36636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 36.4 | 54.6# |
| 89 | 1.7 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

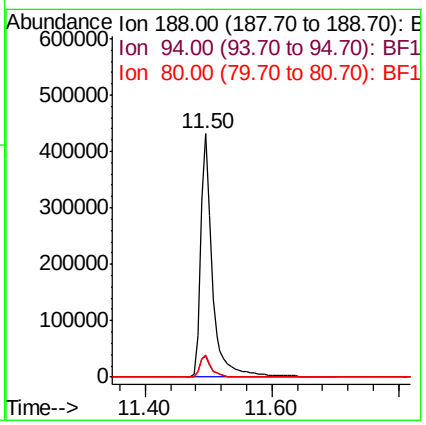


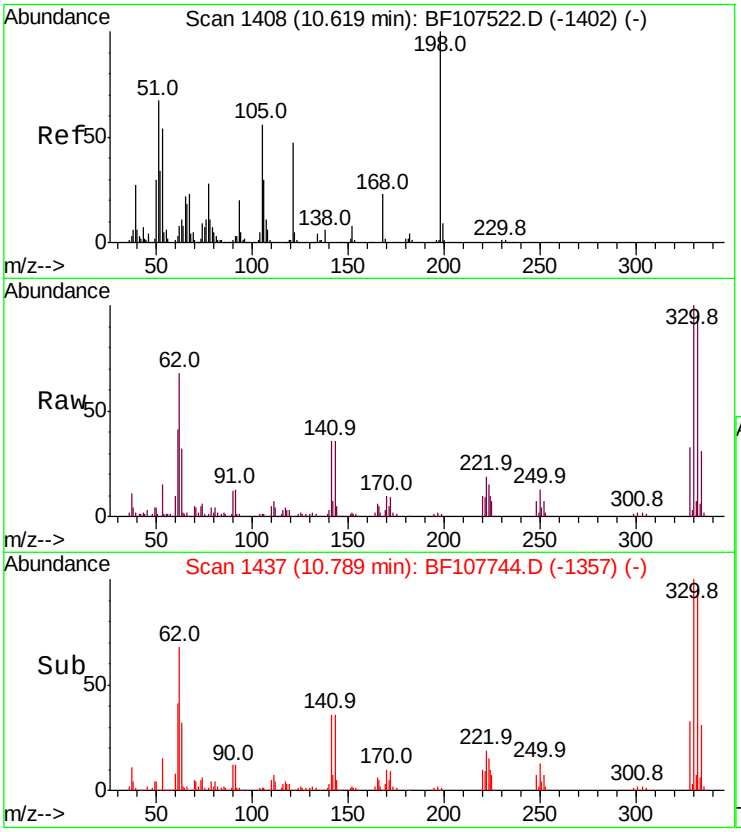




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:188 Resp: 548184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 8.5 | 12.7 |
| 80 | 9.1 | 9.2 | 13.8# |



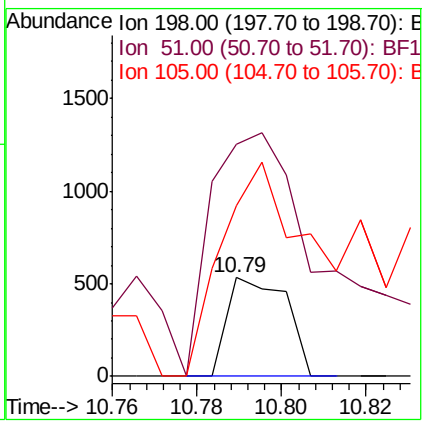


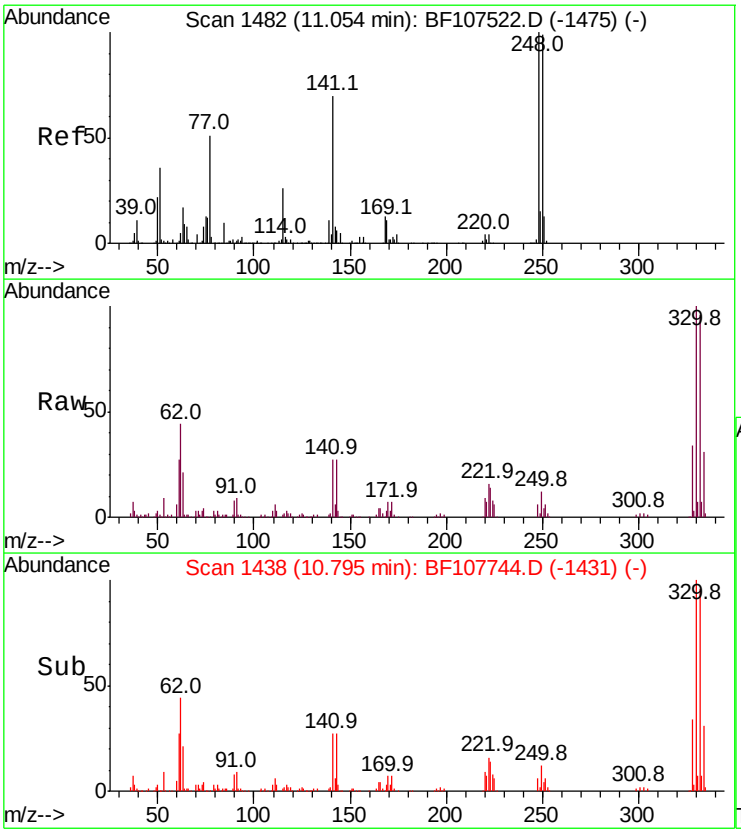

#64
4,6-Dinitro-2-methylphenol
Concen: 8.841 ng
RT: 10.79 min Scan# 1437
Delta R.T. 0.17 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:198 Resp: 519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 235.3 | 37.7 | 77.7# |
| 105 | 172.6 | 36.3 | 76.3# |

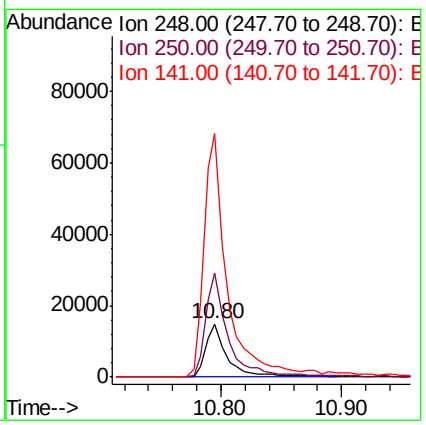


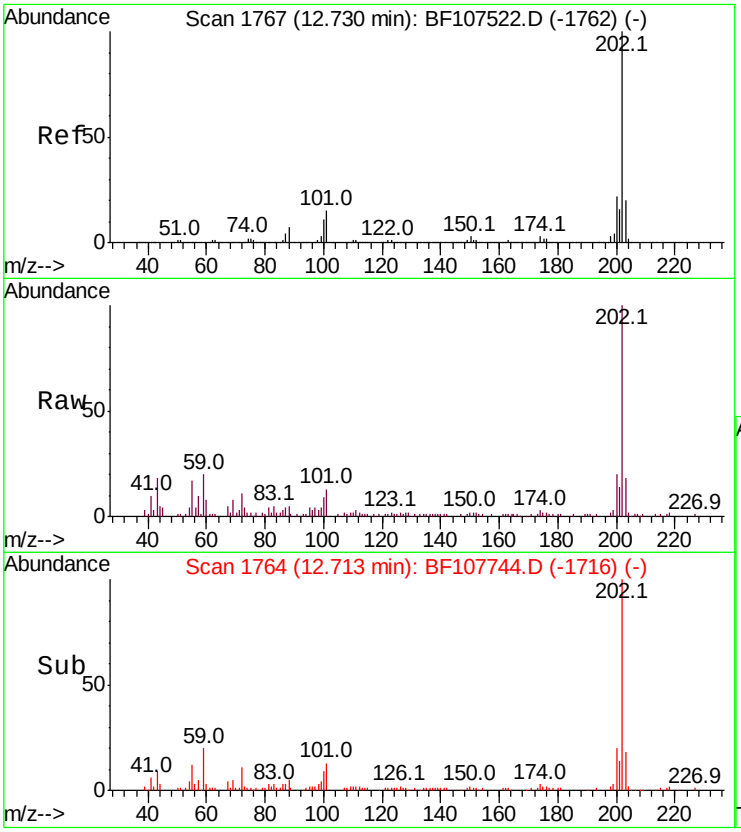




#66
4-Bromophenyl-phenylether
Concen: 2.891 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:248 Resp: 18658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 196.3 | 76.9 | 115.3# |
| 141 | 460.5 | 74.4 | 111.6# |



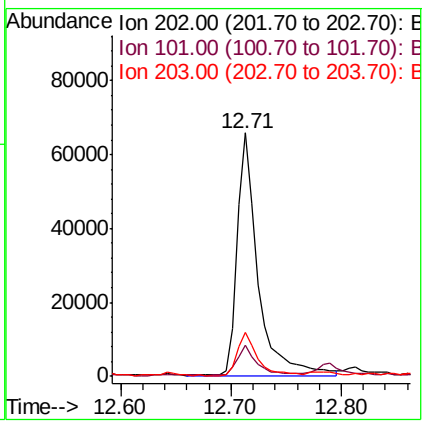


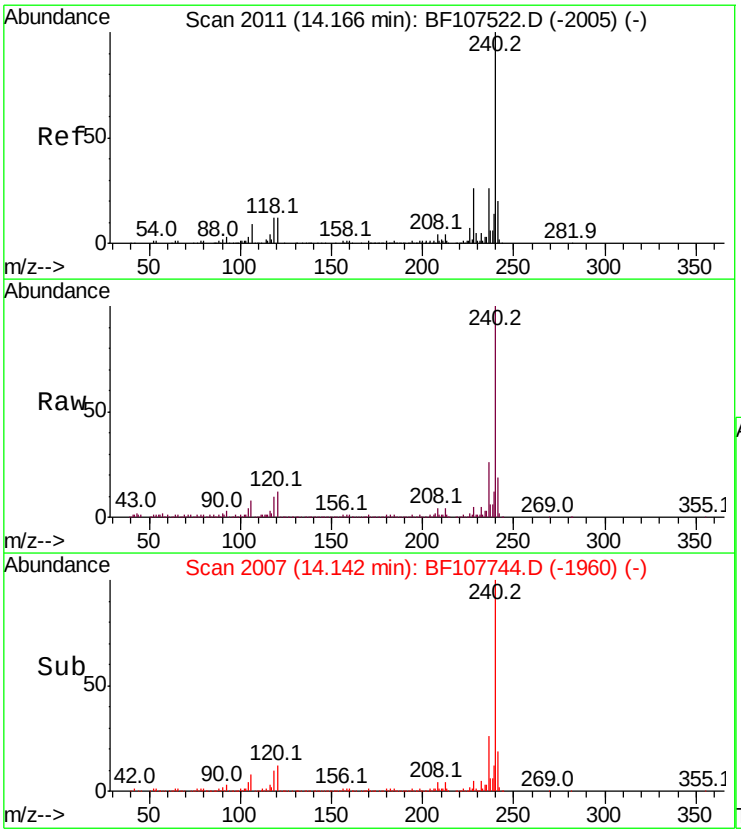

#74
Fluoranthene
Concen: 3.095 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:202 Resp: 88716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 34.1 |
| 203 | 18.0 | 0.0 | 38.1 |

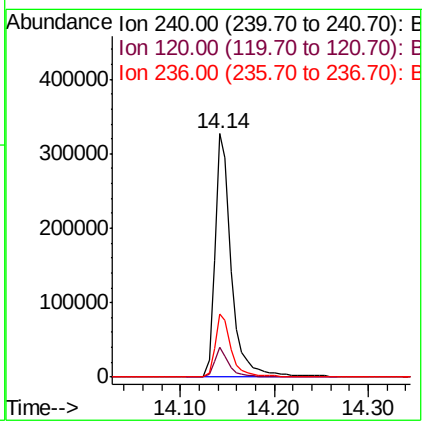


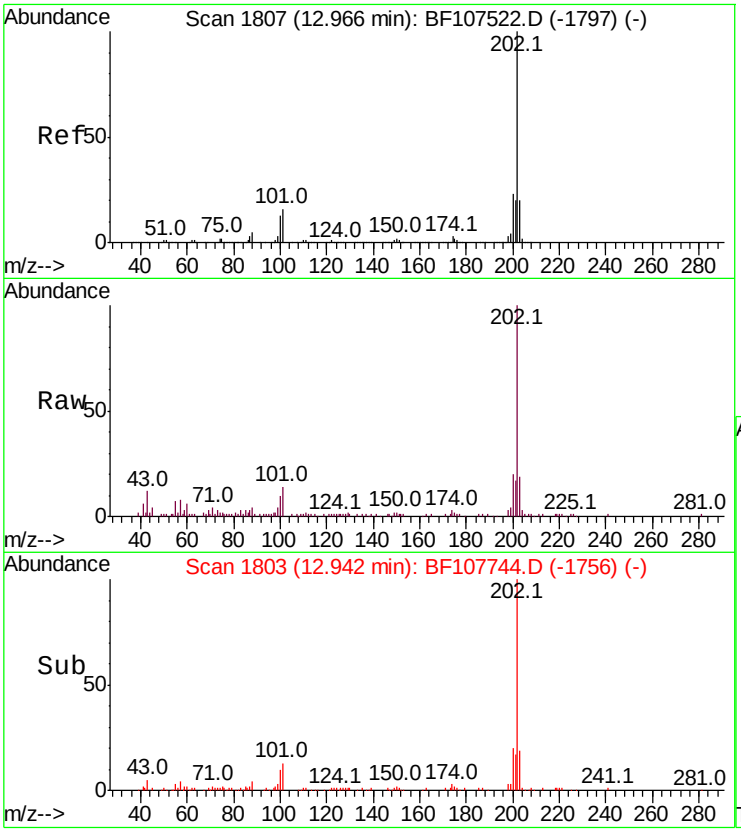




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:240 Resp: 398124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 9.5 | 14.3 |
| 236 | 26.1 | 20.7 | 31.1 |



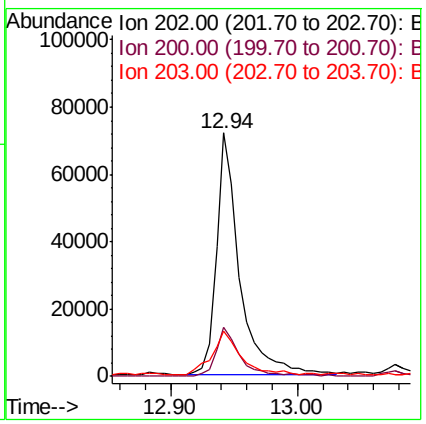


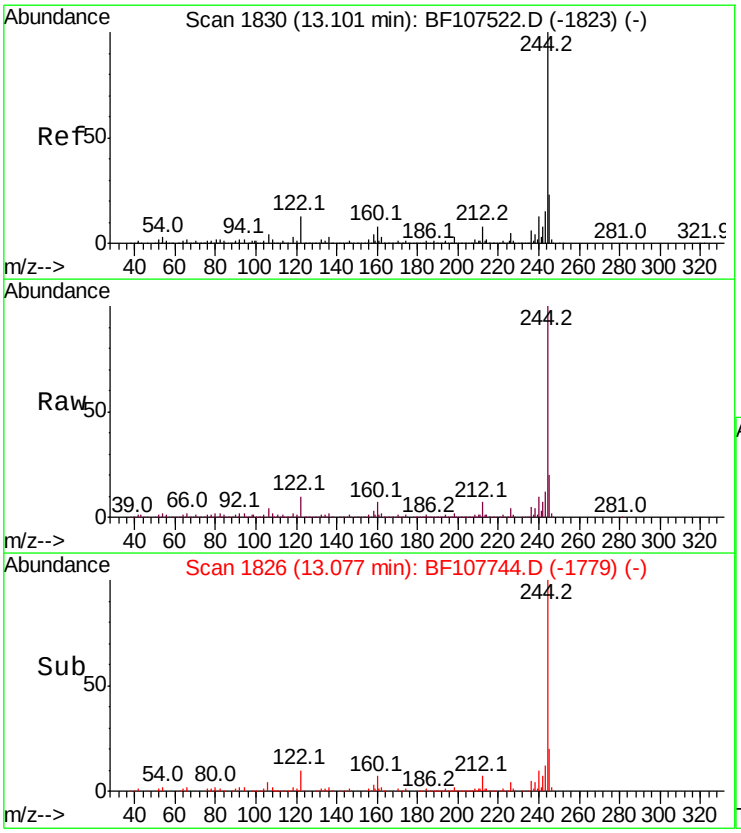

#77
Pyrene
Concen: 3.359 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:202 Resp: 91465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 17.4 | 26.2 |
| 203 | 18.7 | 14.3 | 21.5 |

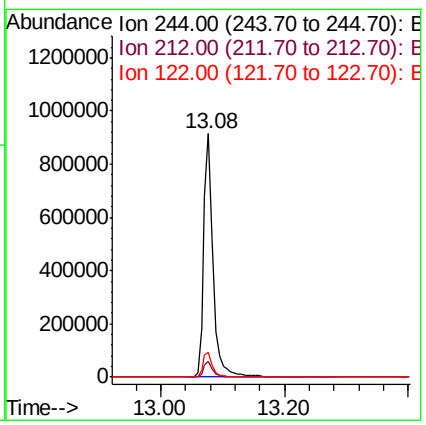


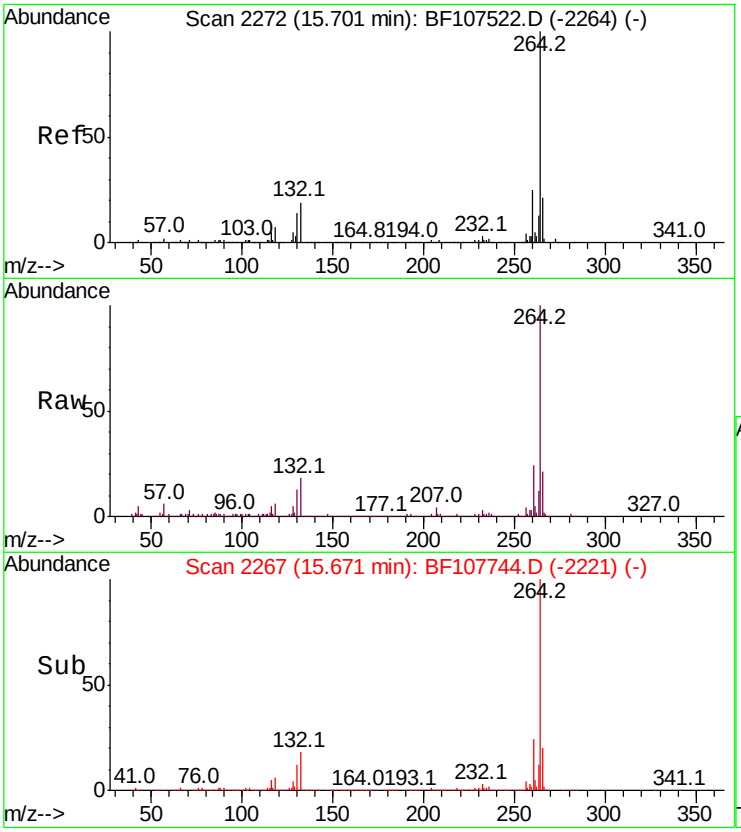




#78
Terphenyl-d14
Concen: 62.413 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:244 Resp: 970601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 10.4 | 11.0 | 16.4# |



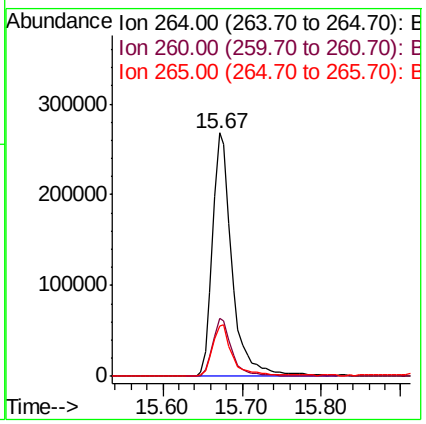


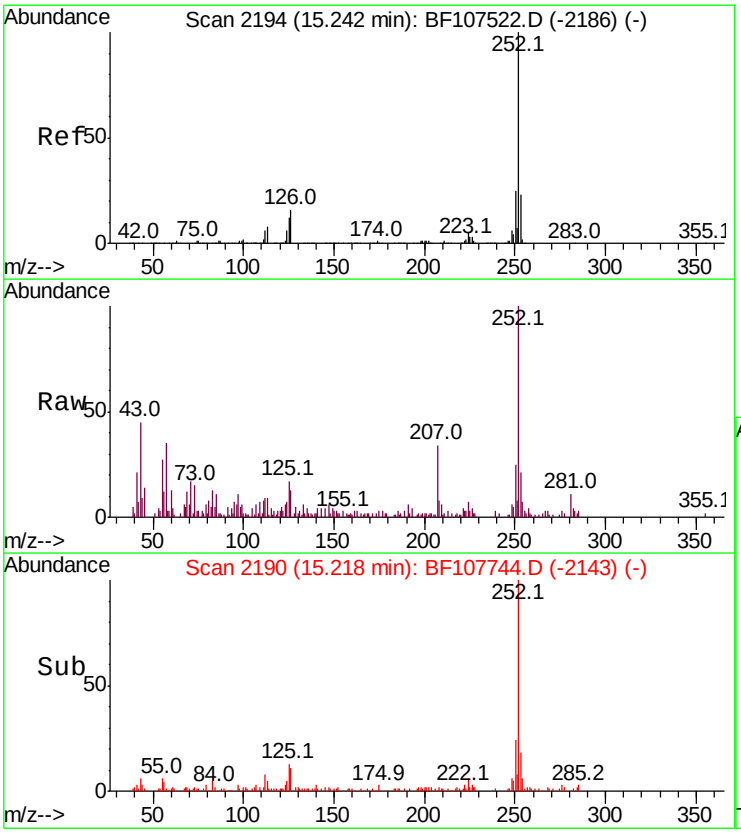

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.03 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:264 Resp: 460216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.2 | 28.8 |
| 265 | 20.6 | 17.5 | 26.3 |

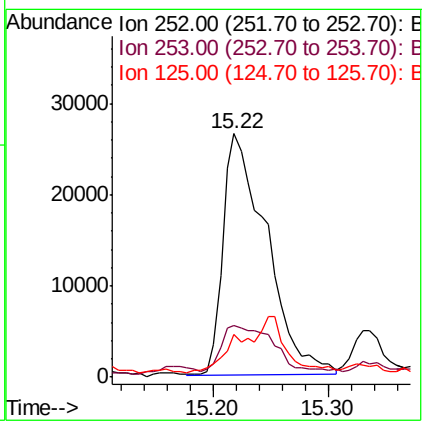


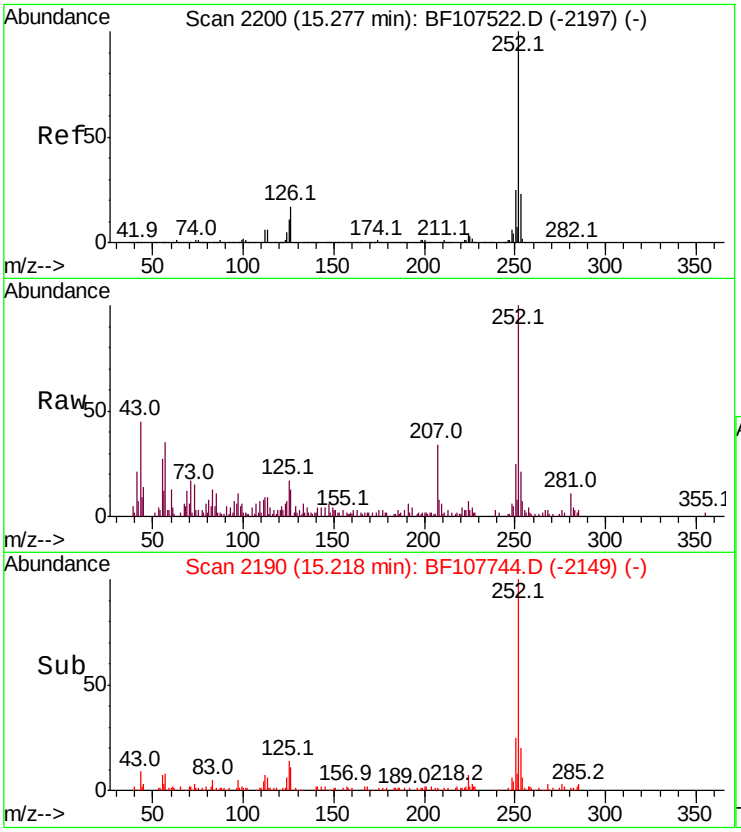




#87
Benzo(b)fluoranthene
Concen: 2.759 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:252 Resp: 69480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.0 | 25.6 |
| 125 | 17.3 | 9.0 | 13.6# |






#88
Benzo(k)fluoranthene
Concen: 2.816 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

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

Tgt Ion:252 Resp: 69480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.9 | 26.9 |
| 125 | 17.3 | 10.2 | 15.2# |