Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104380.D
Acq On : 9 Apr 2018 18:49
Operator : JU/SJ
Sample : J2157-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Apr 10 01:17:49 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 164438 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 625950 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 242557 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 358653 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 349678 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 278072 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 352844 | 32.81 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 433517 | 32.81 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 248531 | 25.93 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 73786 | 29.33 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 461571 | 30.06 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 345422 | 22.52 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.57 | 77 | 7800 | Below Cal | | | 84 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 30989 | 3.589 | ng | # | 75 |
| 25) Isophorone | 7.36 | 82 | 248527 | 12.260 | ng | # | 64 |
| 49) Dimethylphthalate | 9.56 | 163 | 43994 | 2.300 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 31718 | 8.962 | ng | # | 25 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 31718 | 6.832 | ng | # | 23 |
| 70) Phenanthrene | 11.35 | 178 | 46940 | 2.350 | ng | | 98 |
| 71) Anthracene | 11.35 | 178 | 46940 | 2.312 | ng | | 99 |
| 74) Fluoranthene | 12.54 | 202 | 77842 | 3.730 | ng | | 99 |
| 76) Benzidine | 12.64 | 184 | 256 | Below Cal | | # | 1 |
| 77) Pyrene | 12.77 | 202 | 72420 | 2.794 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 50919 | 2.899 | ng | # | 72 |
| 88) Benzo(k)fluoranthene | 15.02 | 252 | 50919 | 3.071 | ng | # | 75 |

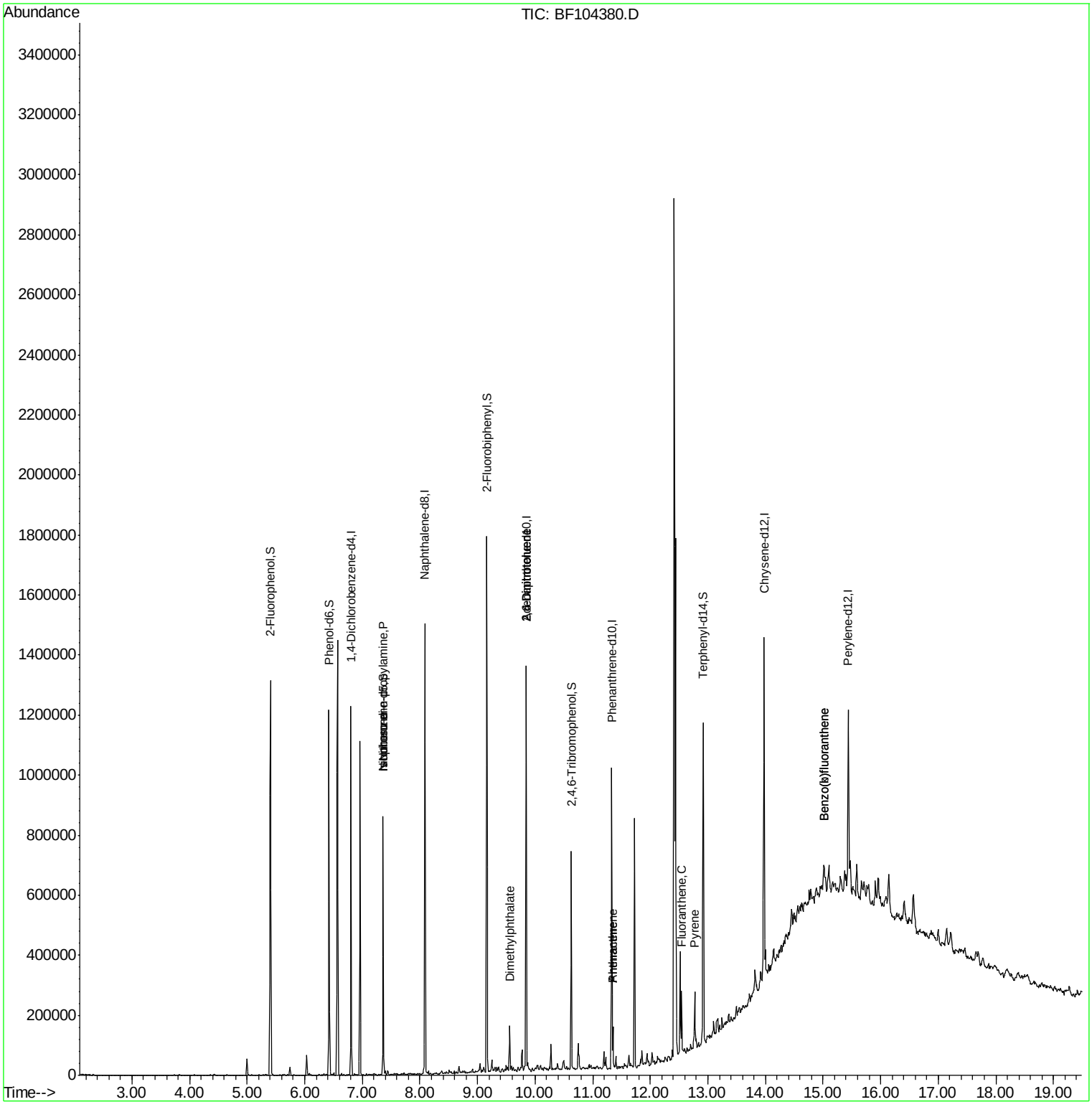
(#) = qualifier out of range (m) = manual integration (+) = signals summed

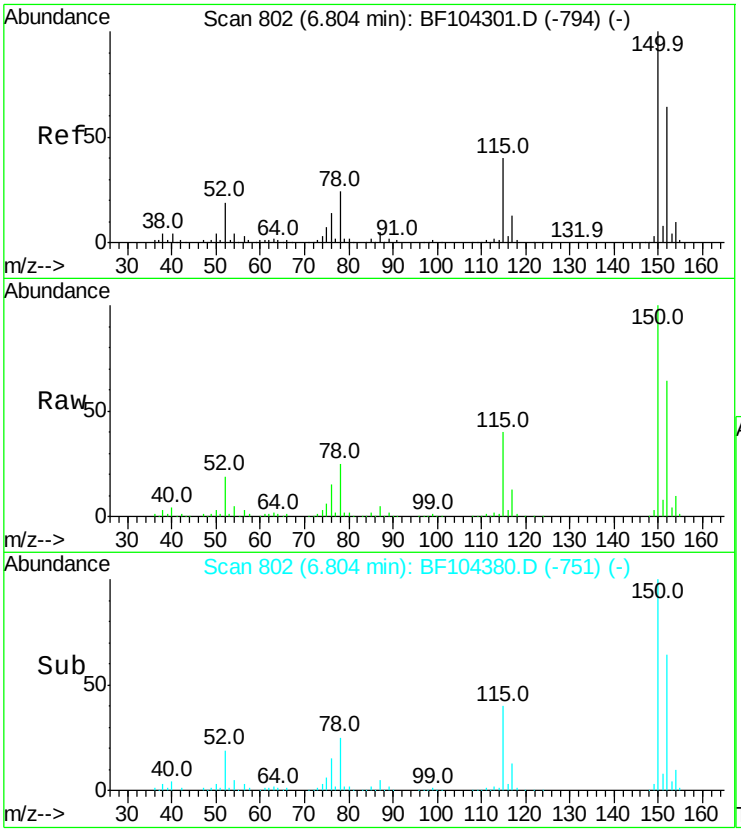
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104380.D
Acq On : 9 Apr 2018 18:49
Operator : JU/SJ
Sample : J2157-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Apr 10 01:17:49 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



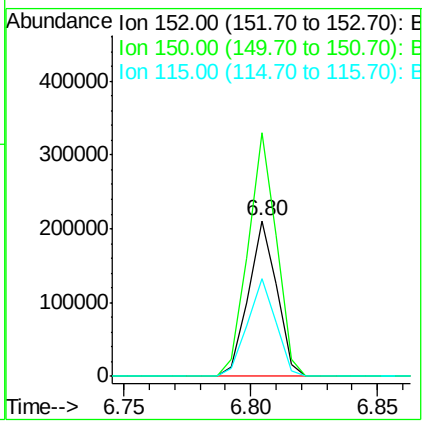


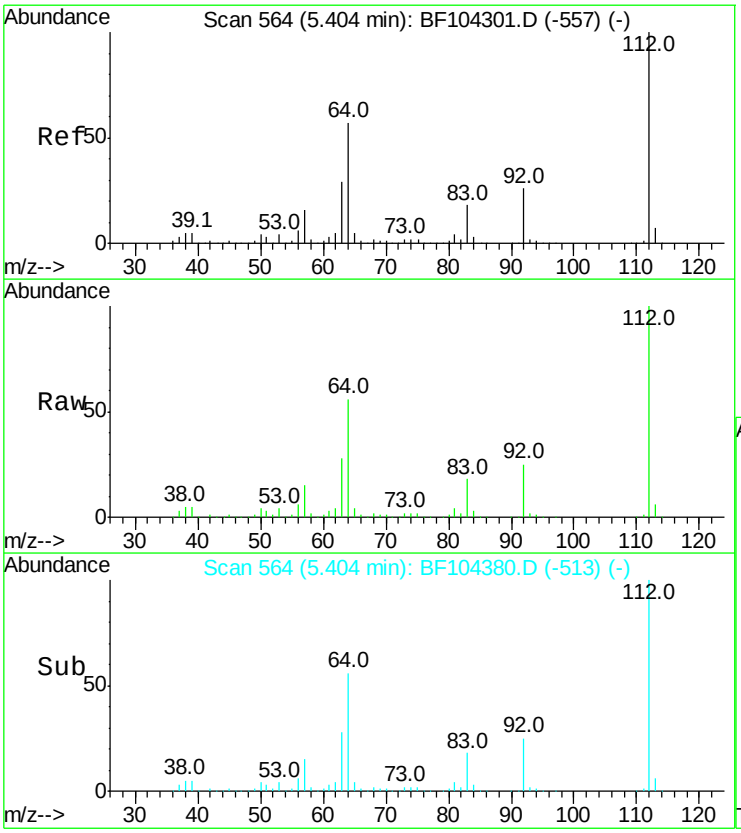

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:152 Resp: 164438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 124.6 | 186.8 |
| 115 | 62.9 | 50.1 | 75.1 |

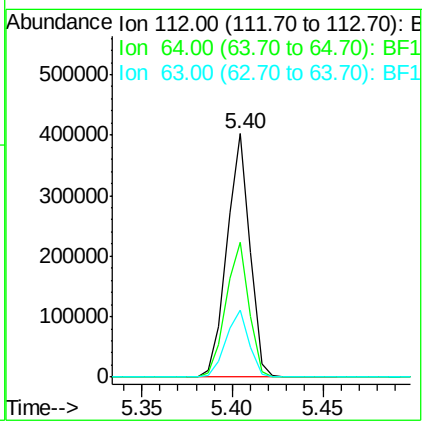


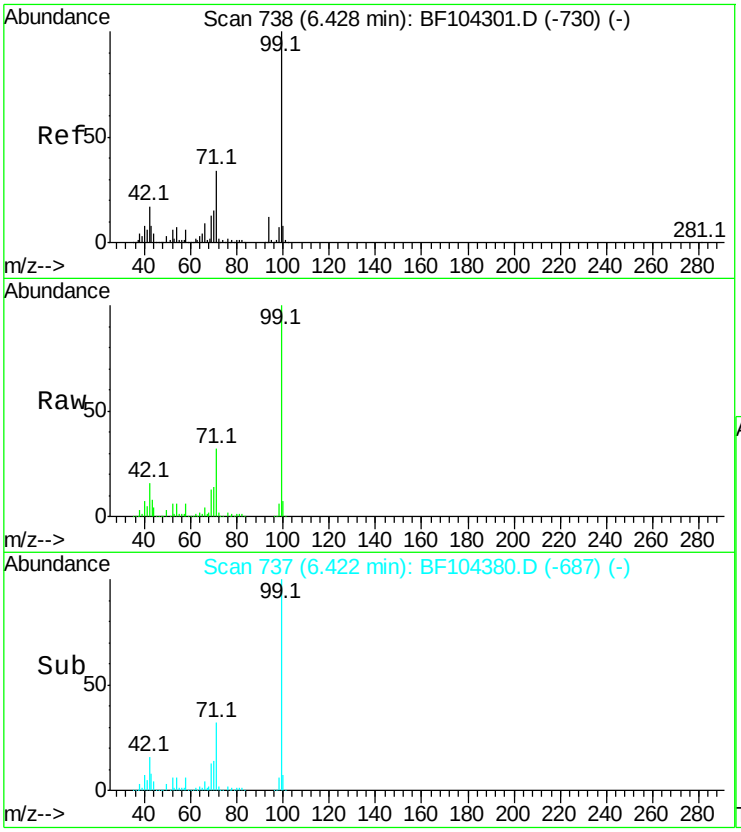




#5
2-Fluorophenol
Concen: 32.810 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:112 Resp: 352844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.6 | 47.9 | 71.9 |
| 63 | 27.7 | 23.7 | 35.5 |



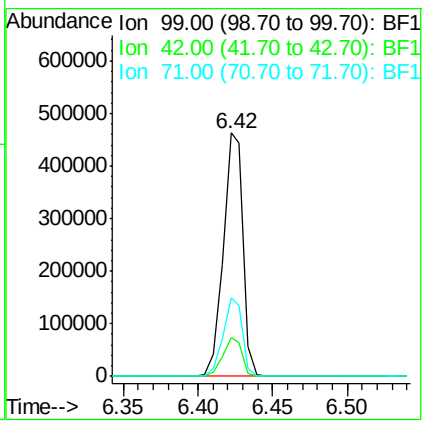


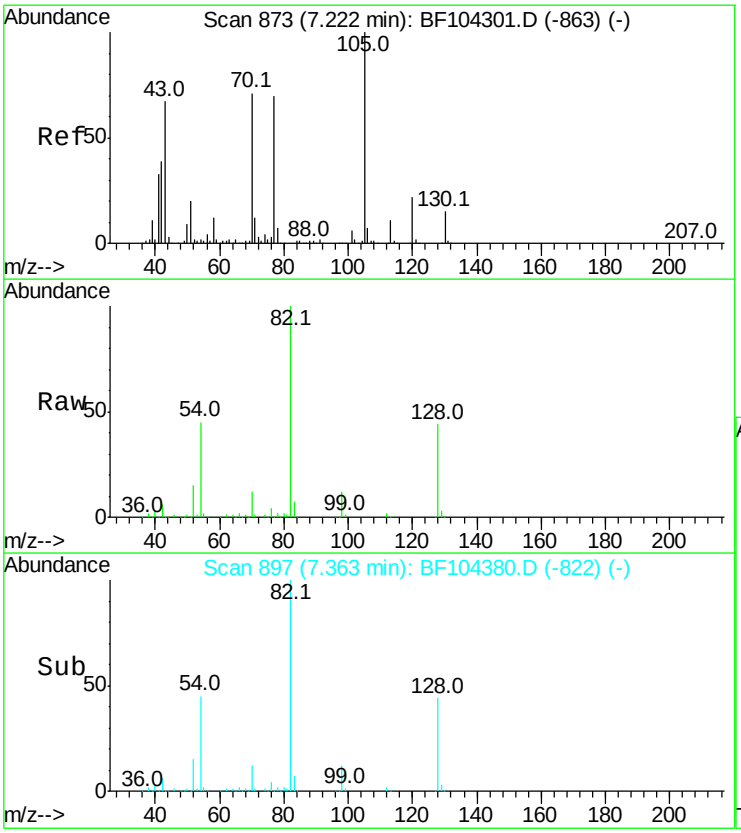

#7
Phenol-d6
Concen: 32.809 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion: 99 Resp: 433517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.5 | 21.7 |
| 71 | 32.1 | 25.4 | 38.0 |

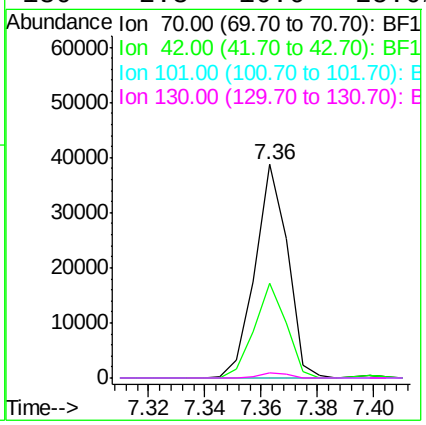


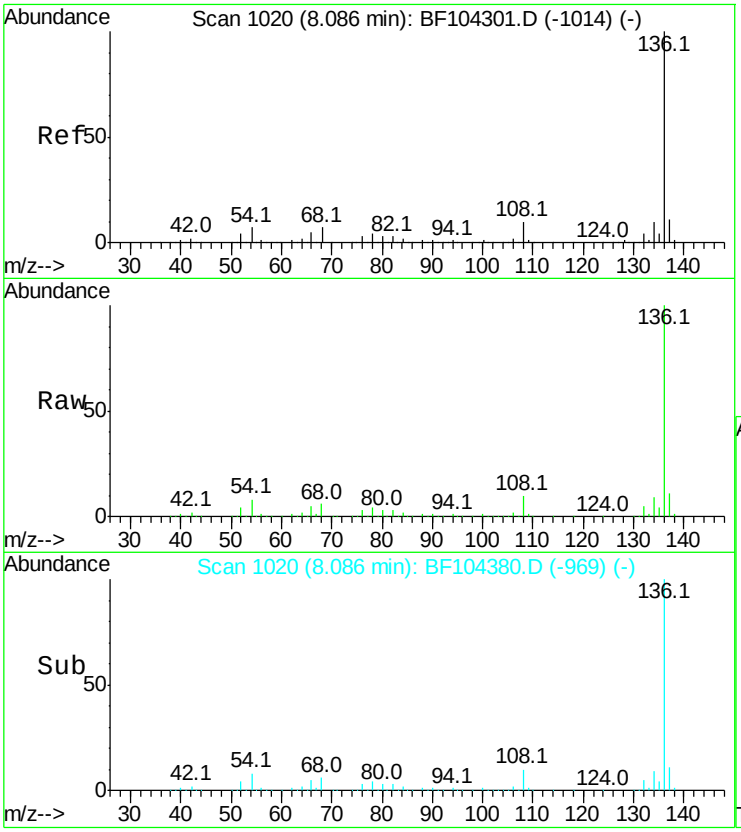




#19
n-Nitroso-di-n-propylamine
Concen: 3.589 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion: 70 Resp: 30989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.2 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |



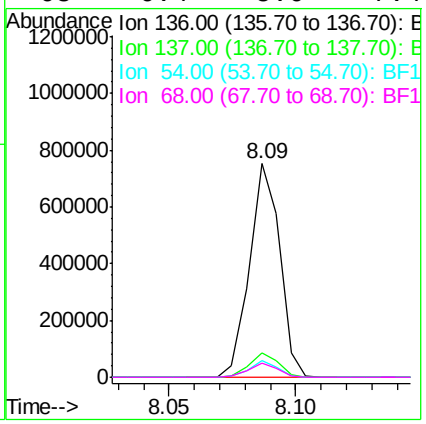


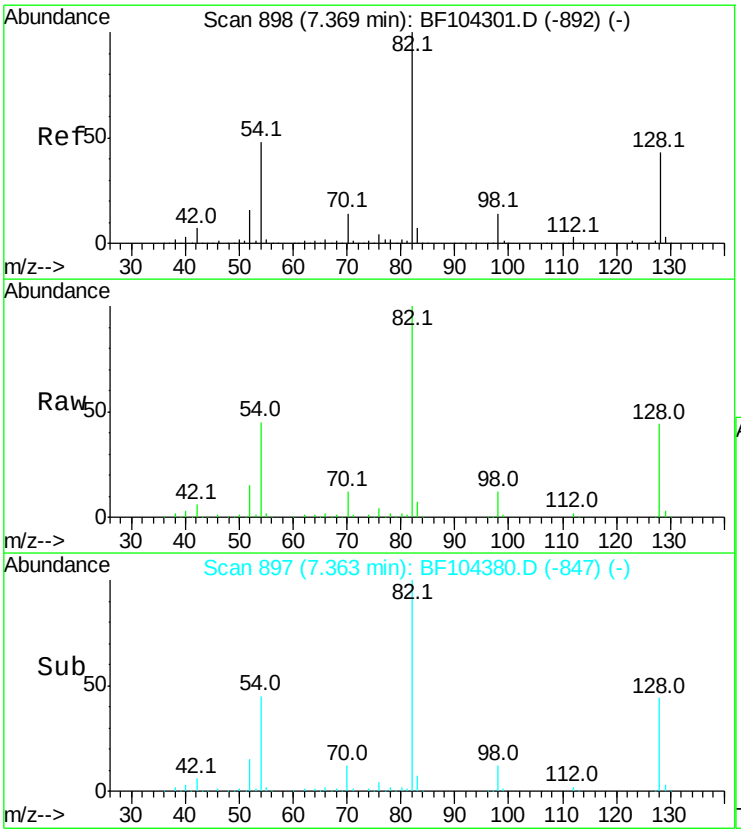

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:136 Resp: 625950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 7.6 | 6.6 | 9.8 |
| 68 | 6.4 | 5.0 | 7.4 |

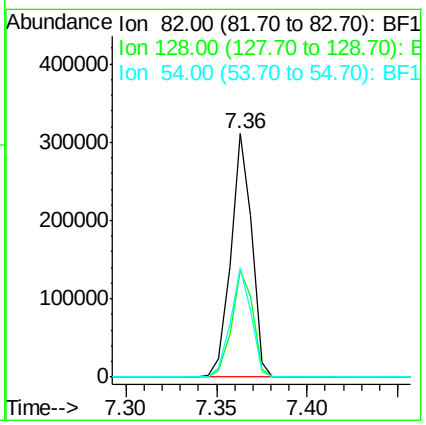


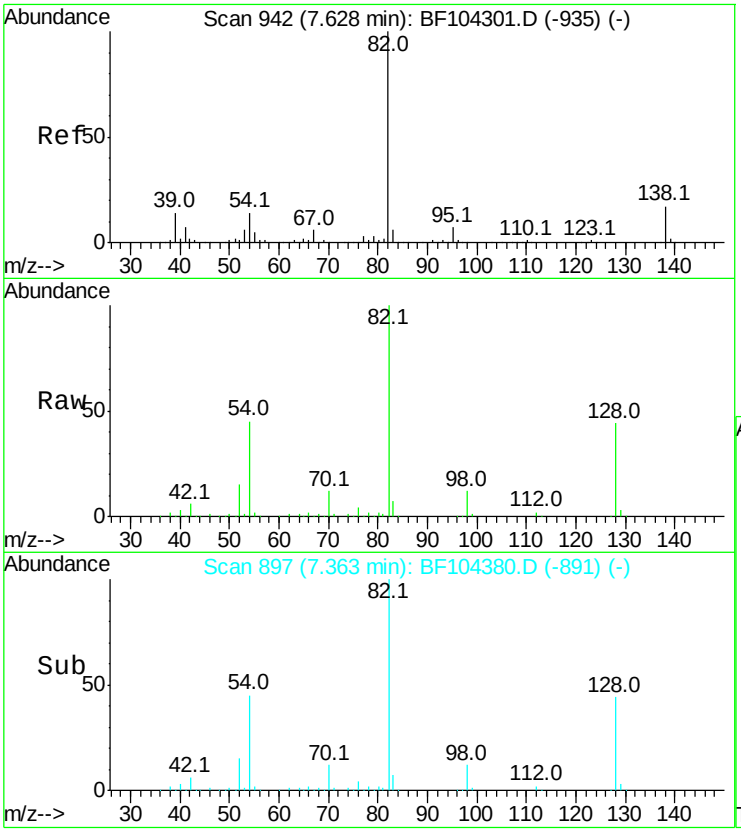




#23
Nitrobenzene-d5
Concen: 25.926 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion: 82 Resp: 248531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.7 | 36.1 | 54.1 |
| 54 | 44.9 | 41.4 | 62.2 |

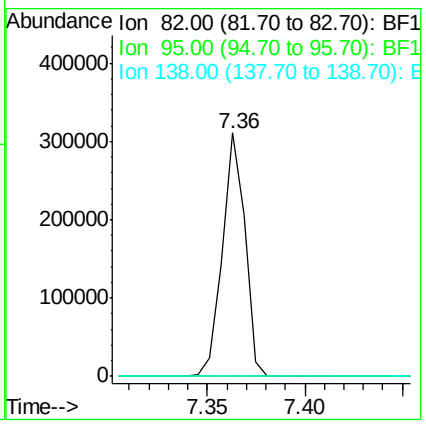




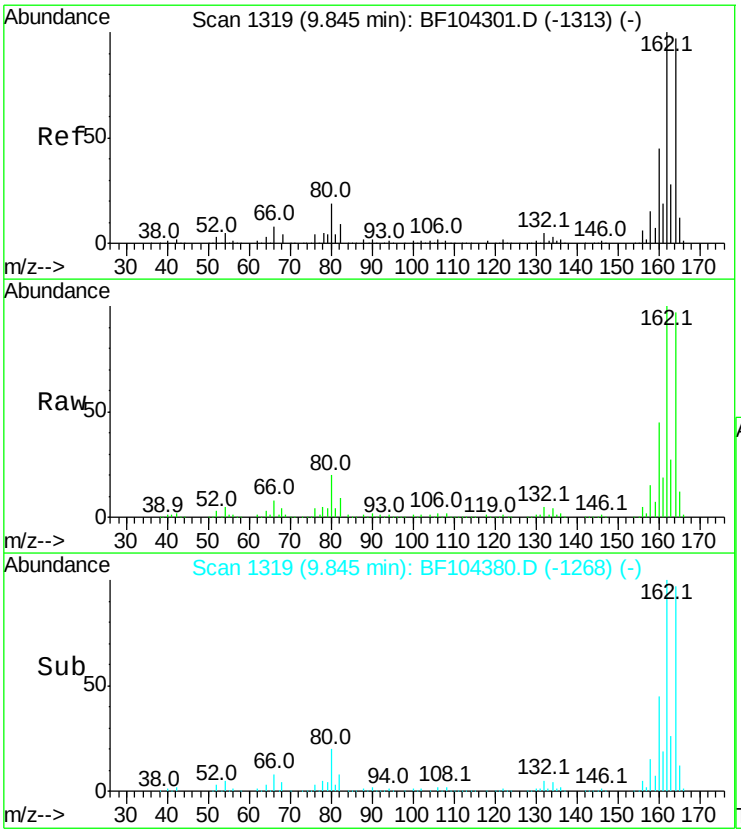

#25
Isophorone
Concen: 12.260 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion: 82 Resp: 248527

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



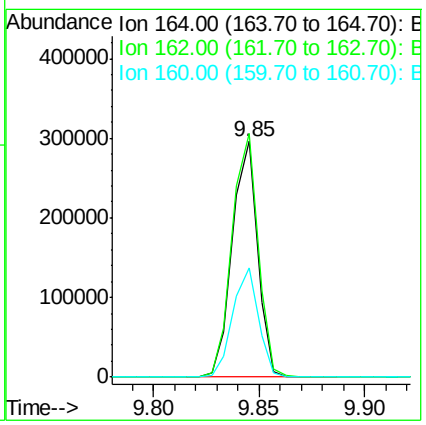

**Instrument :**
BNA_F
**ClientSampleId :**

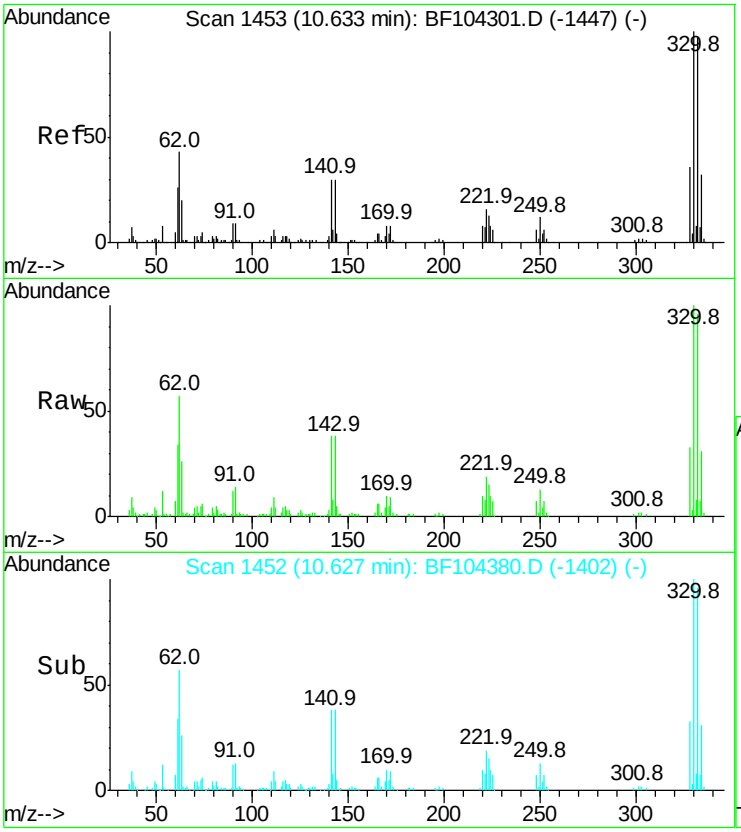



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:164 Resp: 242557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 86.1 | 129.1 |
| 160 | 46.4 | 38.3 | 57.5 |



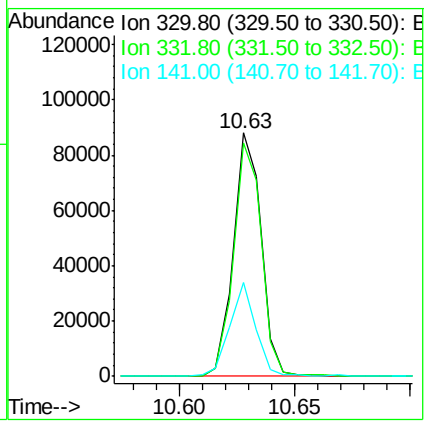


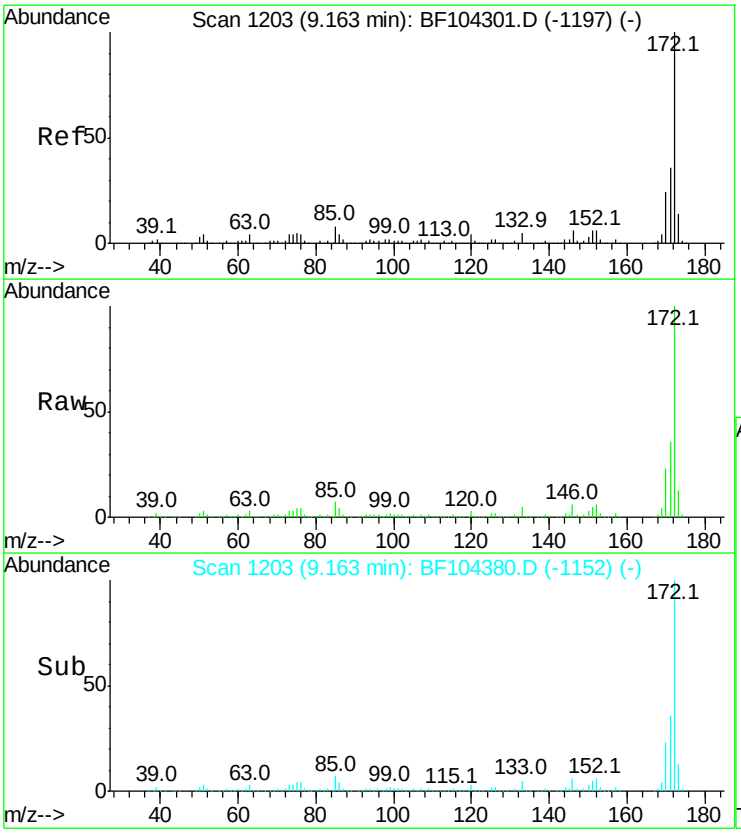

#41
2,4,6-Tribromophenol
Concen: 29.325 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:330 Resp: 73786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.0 | 115.6 |
| 141 | 36.1 | 29.9 | 44.9 |

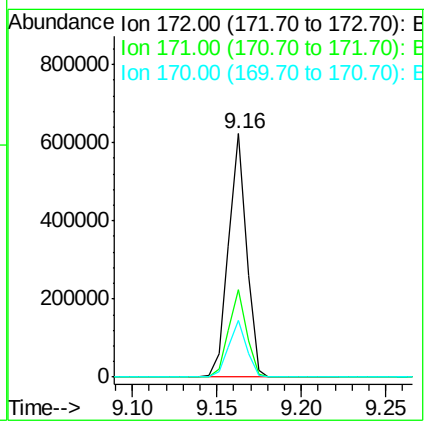


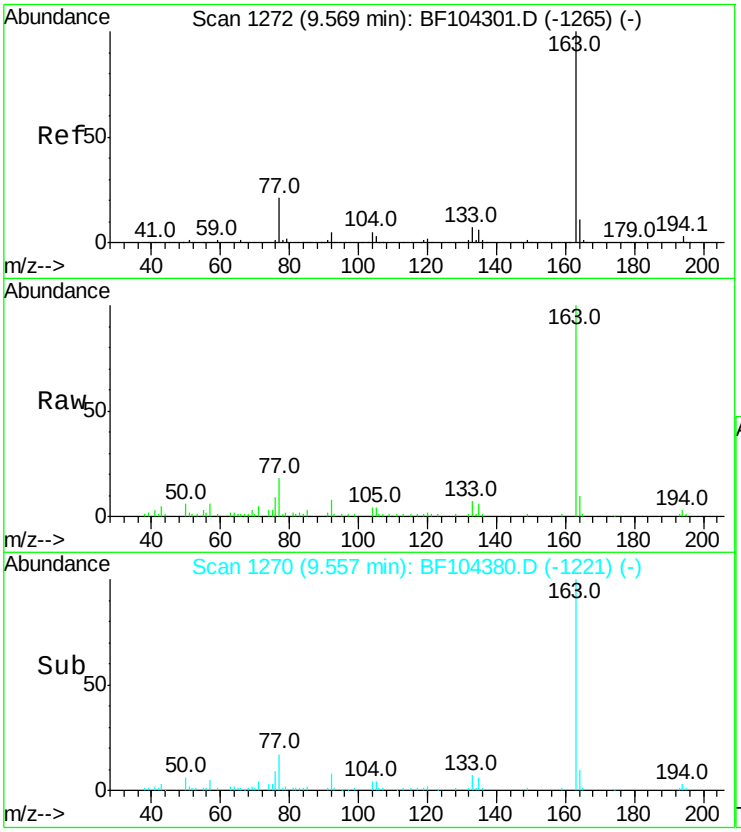




#44
2-Fluorobiphenyl
Concen: 30.062 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:172 Resp: 461571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 29.7 | 44.5 |
| 170 | 23.3 | 19.6 | 29.4 |



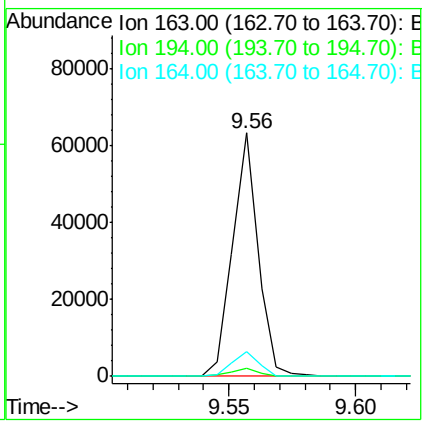


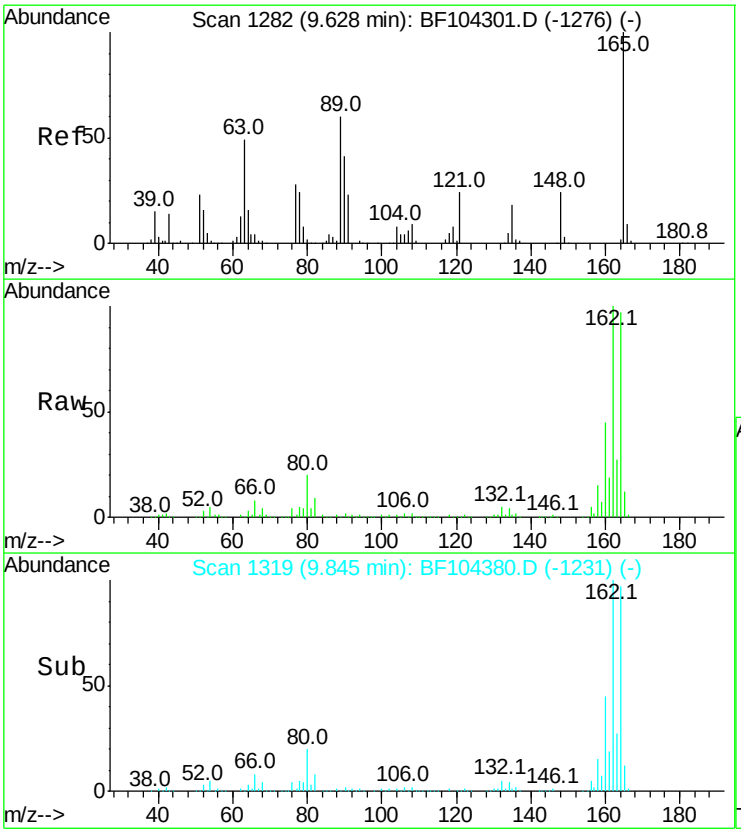

#49
Dimethylphthalate
Concen: 2.300 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:163 Resp: 43994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.7 | 4.1 |
| 164 | 10.2 | 8.2 | 12.2 |

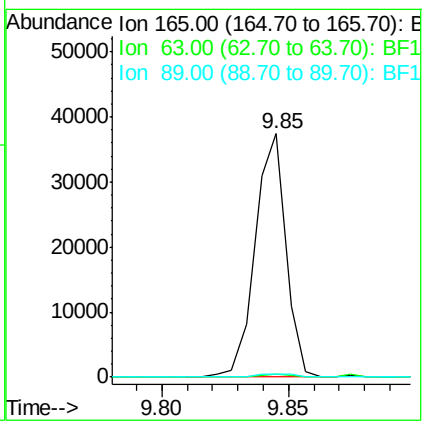


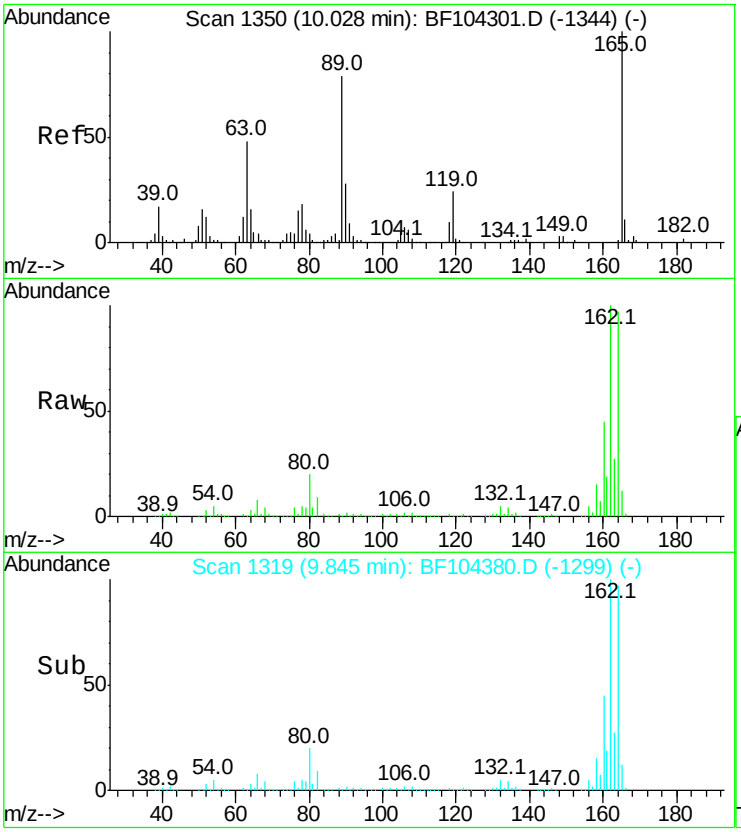




#50
2,6-Dinitrotoluene
Concen: 8.962 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.22 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:165 Resp: 31718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 44.7 | 67.1# |
| 89 | 1.4 | 44.0 | 66.0# |



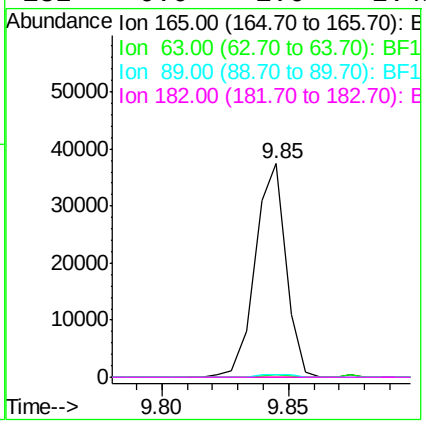


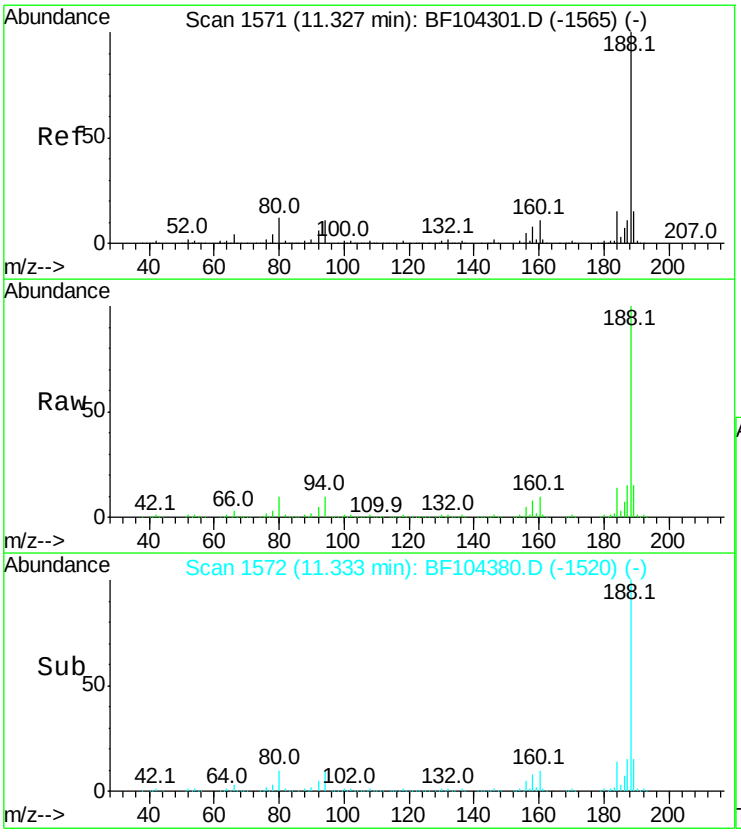

#56
2,4-Dinitrotoluene
Concen: 6.832 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.18 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:165 Resp: 31718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 36.4 | 54.6# |
| 89 | 1.4 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

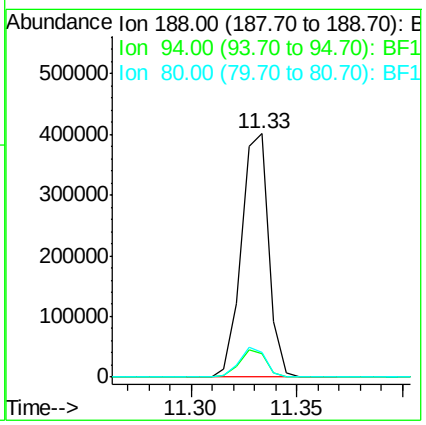


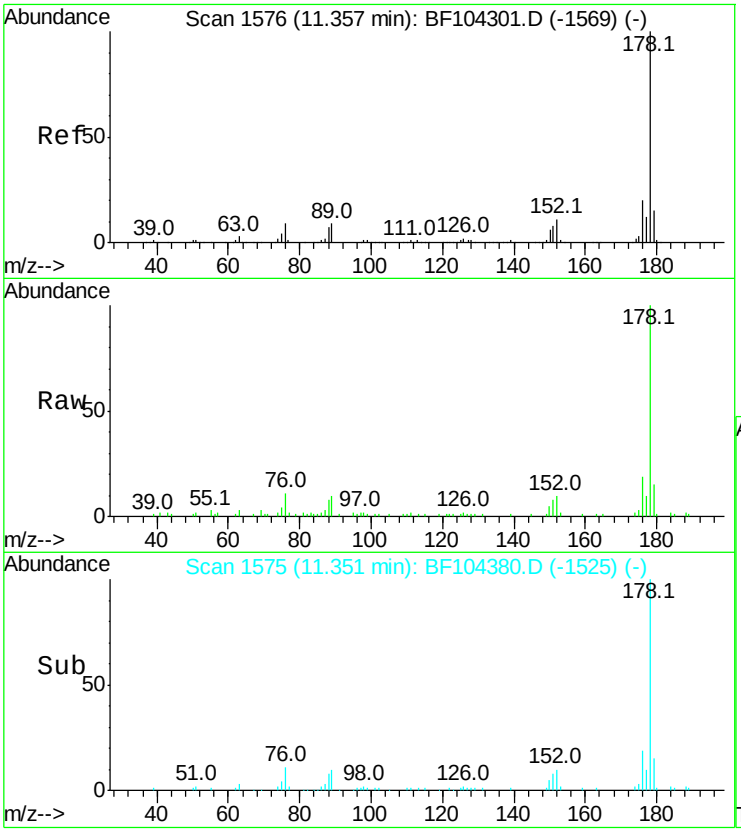




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:188 Resp: 358653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.5 | 12.7 |
| 80 | 10.3 | 9.2 | 13.8 |



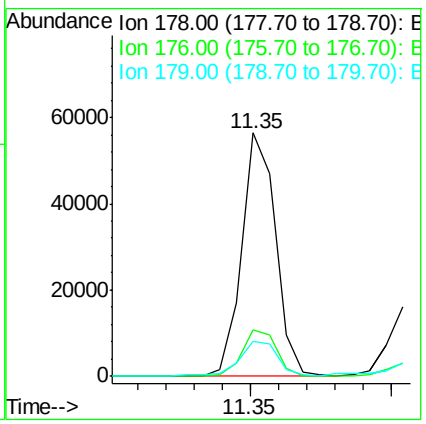


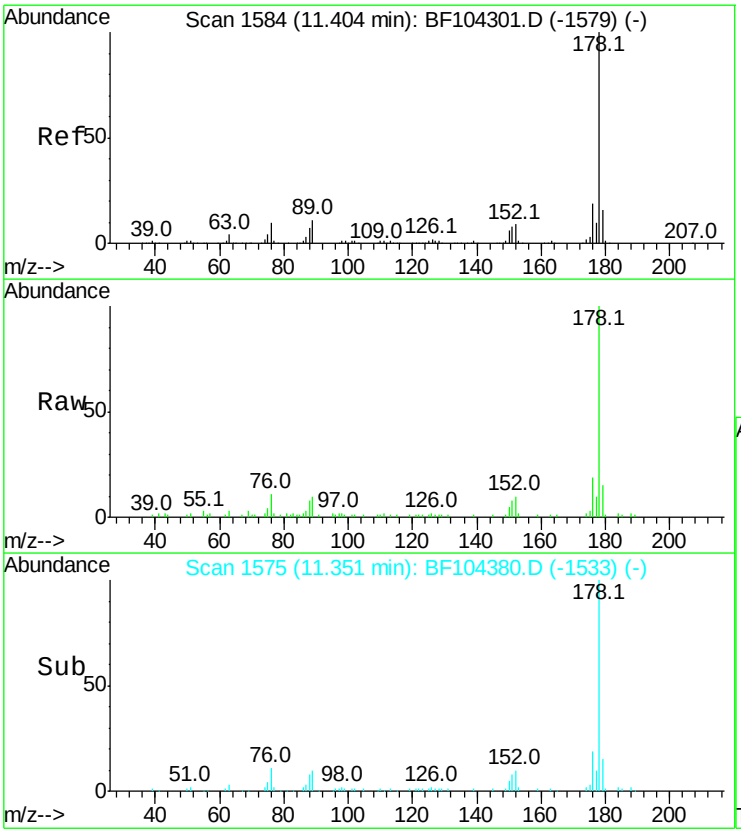

#70
Phenanthrene
Concen: 2.350 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:178 Resp: 46940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.8 | 23.8 |
| 179 | 14.6 | 13.0 | 19.6 |

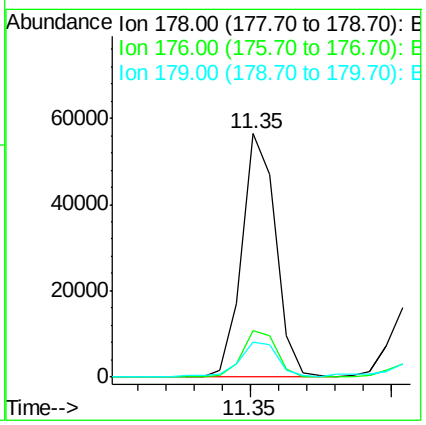


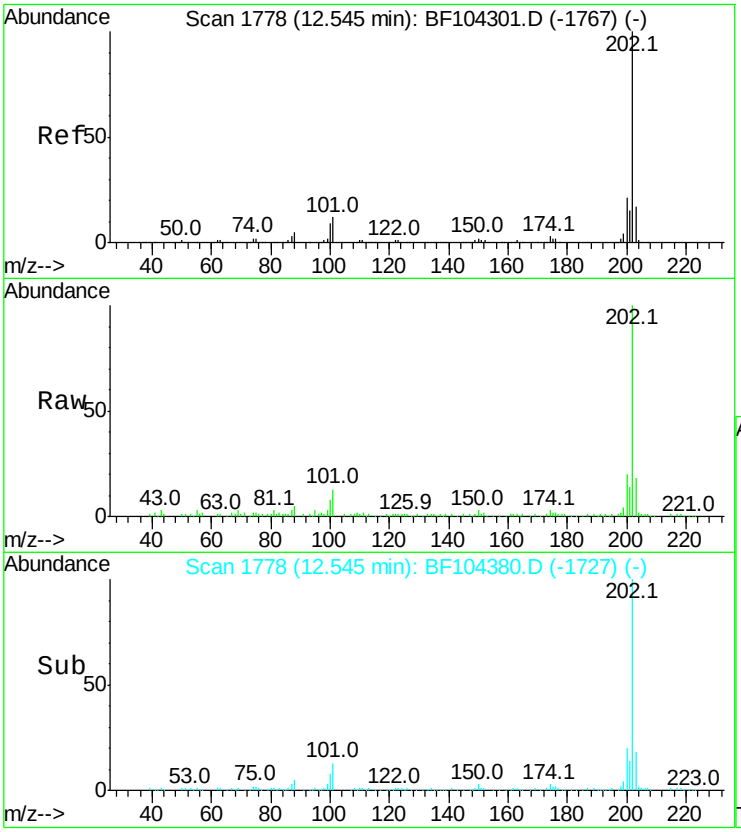




#71
Anthracene
Concen: 2.312 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:178 Resp: 46940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 14.6 | 12.6 | 19.0 |



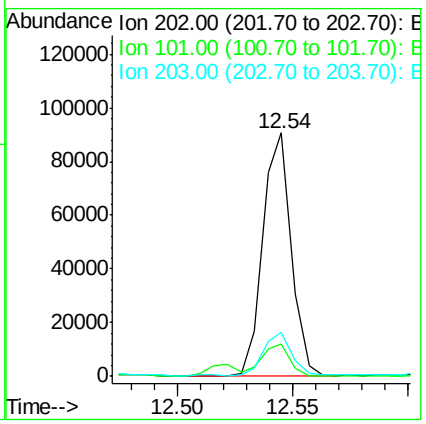


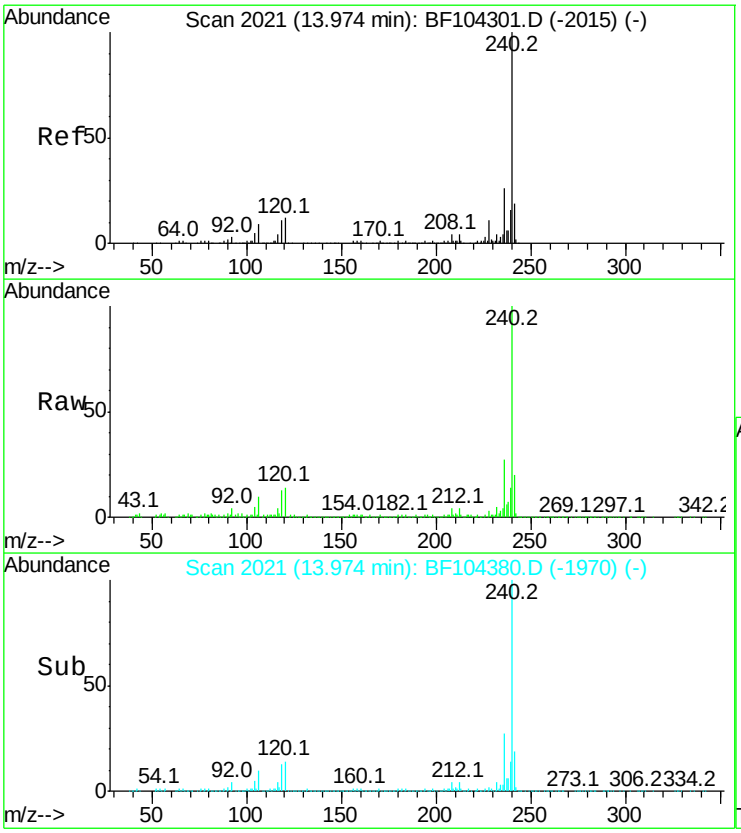

#74
Fluoranthene
Concen: 3.730 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:202 Resp: 77842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 0.0 | 34.1 |
| 203 | 18.1 | 0.0 | 38.1 |

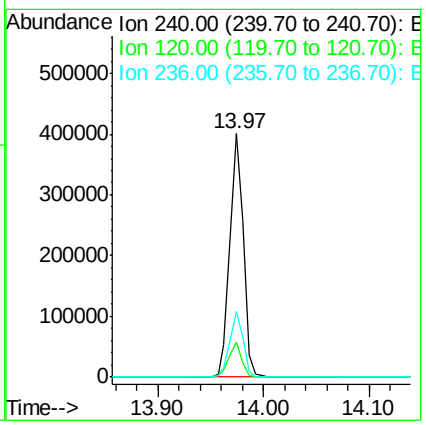


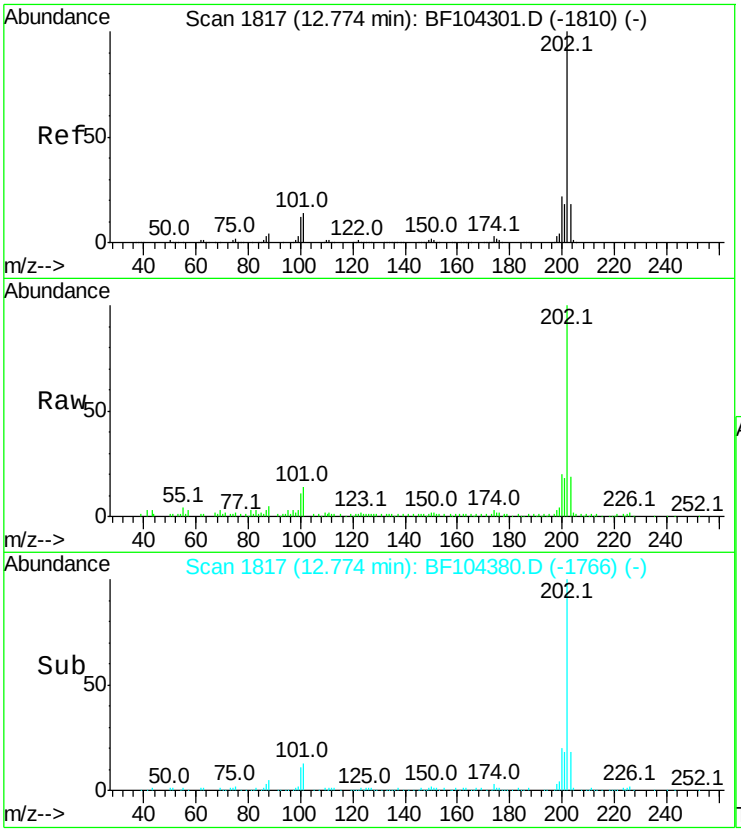




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:240 Resp: 349678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.2 | 9.5 | 14.3 |
| 236 | 26.9 | 20.7 | 31.1 |



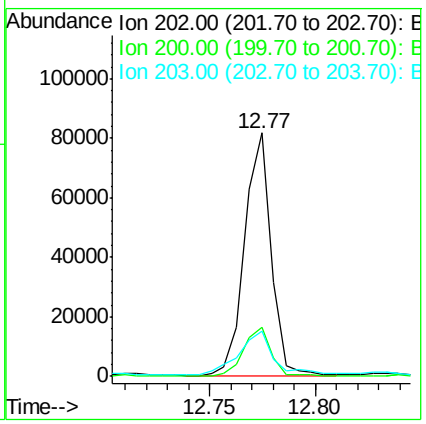


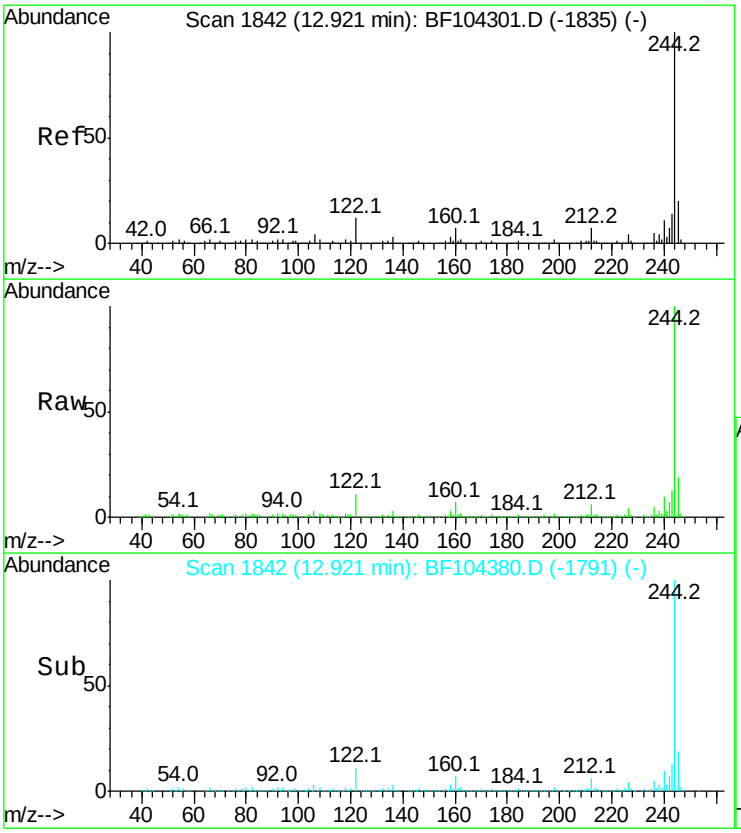

#77
Pyrene
Concen: 2.794 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:202 Resp: 72420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 17.4 | 26.2 |
| 203 | 18.7 | 14.3 | 21.5 |

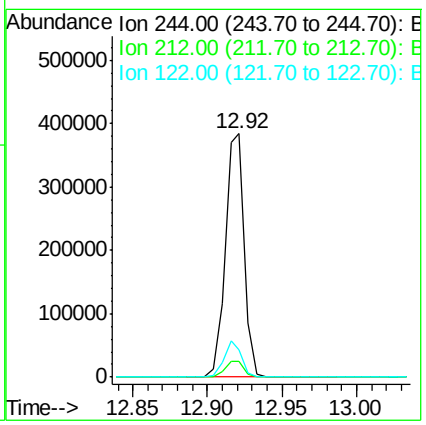


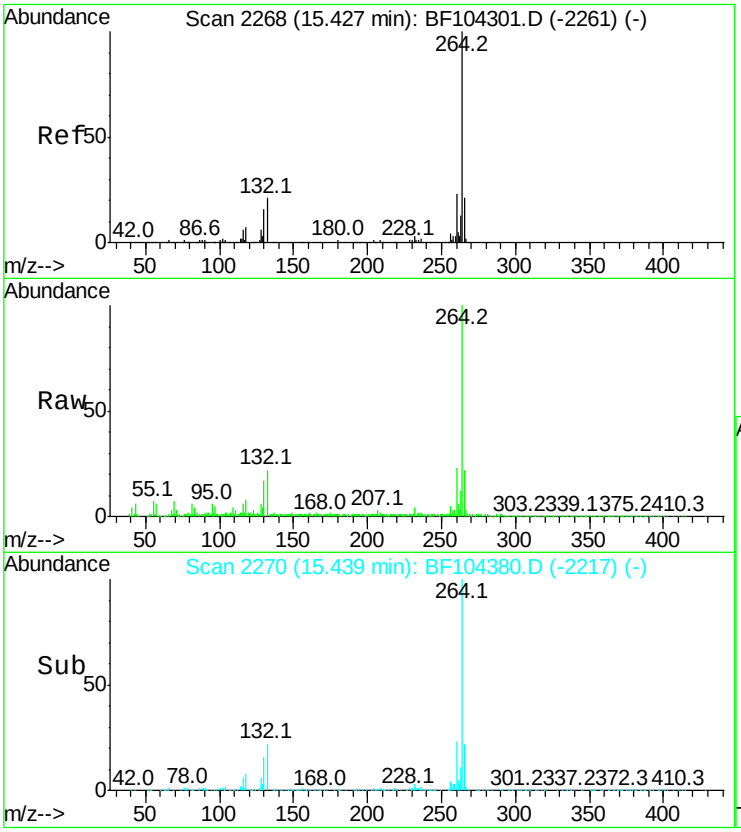




#78
Terphenyl-d14
Concen: 22.521 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:244 Resp: 345422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.0 |
| 122 | 11.0 | 11.0 | 16.4 |



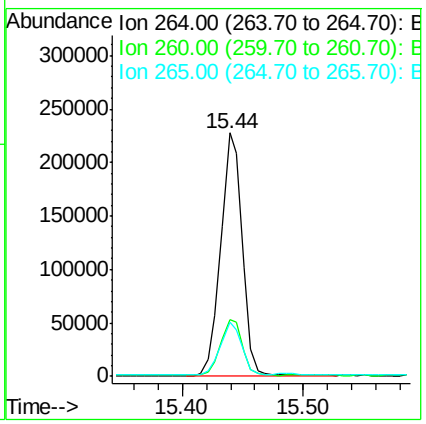


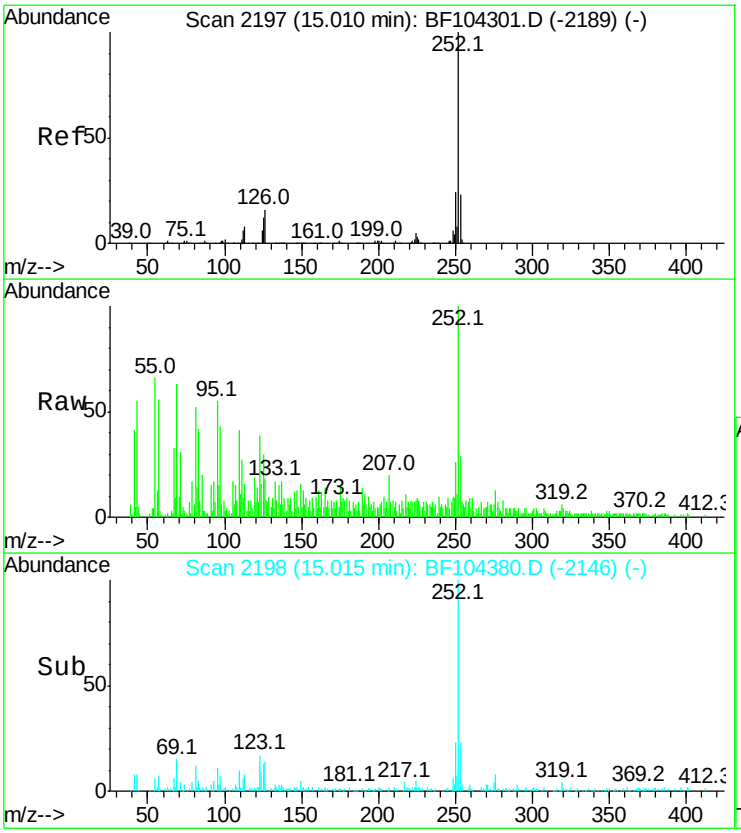

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:264 Resp: 278072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 22.1 | 17.5 | 26.3 |

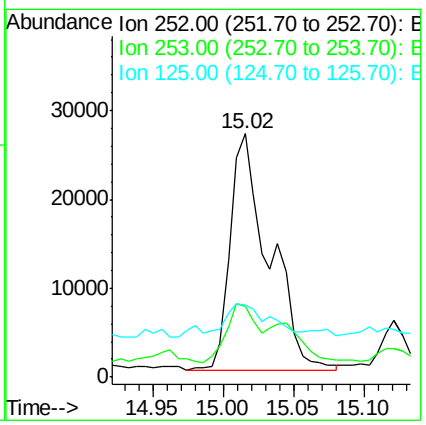


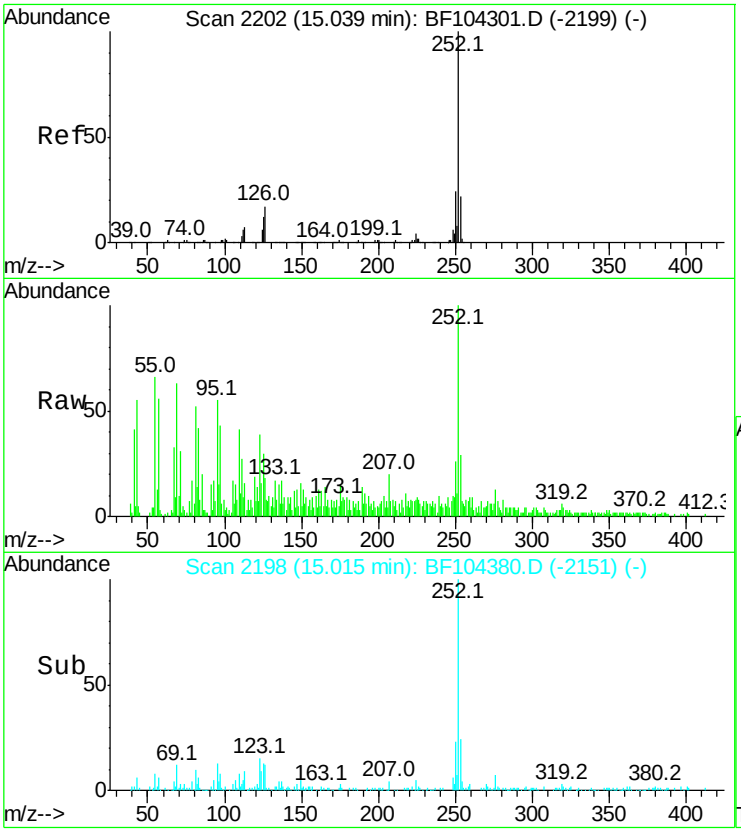




#87
Benzo(b)fluoranthene
Concen: 2.899 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:252 Resp: 50919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.2 | 17.0 | 25.6# |
| 125 | 29.7 | 9.0 | 13.6# |






#88
Benzo(k)fluoranthene
Concen: 3.071 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

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

Tgt Ion:252 Resp: 50919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.2 | 17.9 | 26.9# |
| 125 | 29.7 | 10.2 | 15.2# |