Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
Data File : BF093805.D
Acq On : 21 Mar 2017 18:27
Operator : SJ/MA
Sample : I2331-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-GF-01-002-B

Quant Time: Mar 22 00:54:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 209659 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 868225 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 410020 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 653734 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 416111 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.37 | 264 | 383488 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 1271703 | 106.07 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 1401486 | 94.60 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 850394 | 55.56 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 302122 | 95.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.19 | 172 | 1558144 | 63.90 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 1148555 | 56.28 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.47 | 94 | 89331 | 5.36 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 112834 | 11.62 | ng | # | 80 |
| 49) Dimethylphthalate | 9.58 | 163 | 136293 | 4.67 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.86 | 165 | 52989 | 8.27 | ng | # | 33 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 52991 | 6.52 | ng | # | 33 |
| 66) 4-Bromophenyl-phenylether | 10.64 | 248 | 19696 | 3.13 | ng | # | 1 |
| 70) Phenanthrene | 11.36 | 178 | 86475 | 2.48 | ng | | 98 |
| 74) Fluoranthene | 12.54 | 202 | 129371 | 3.62 | ng | | 93 |
| 77) Pyrene | 12.77 | 202 | 116420 | 3.36 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 71532 | 2.77 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 14.97 | 252 | 71532 | 3.75 | ng | | 98 |

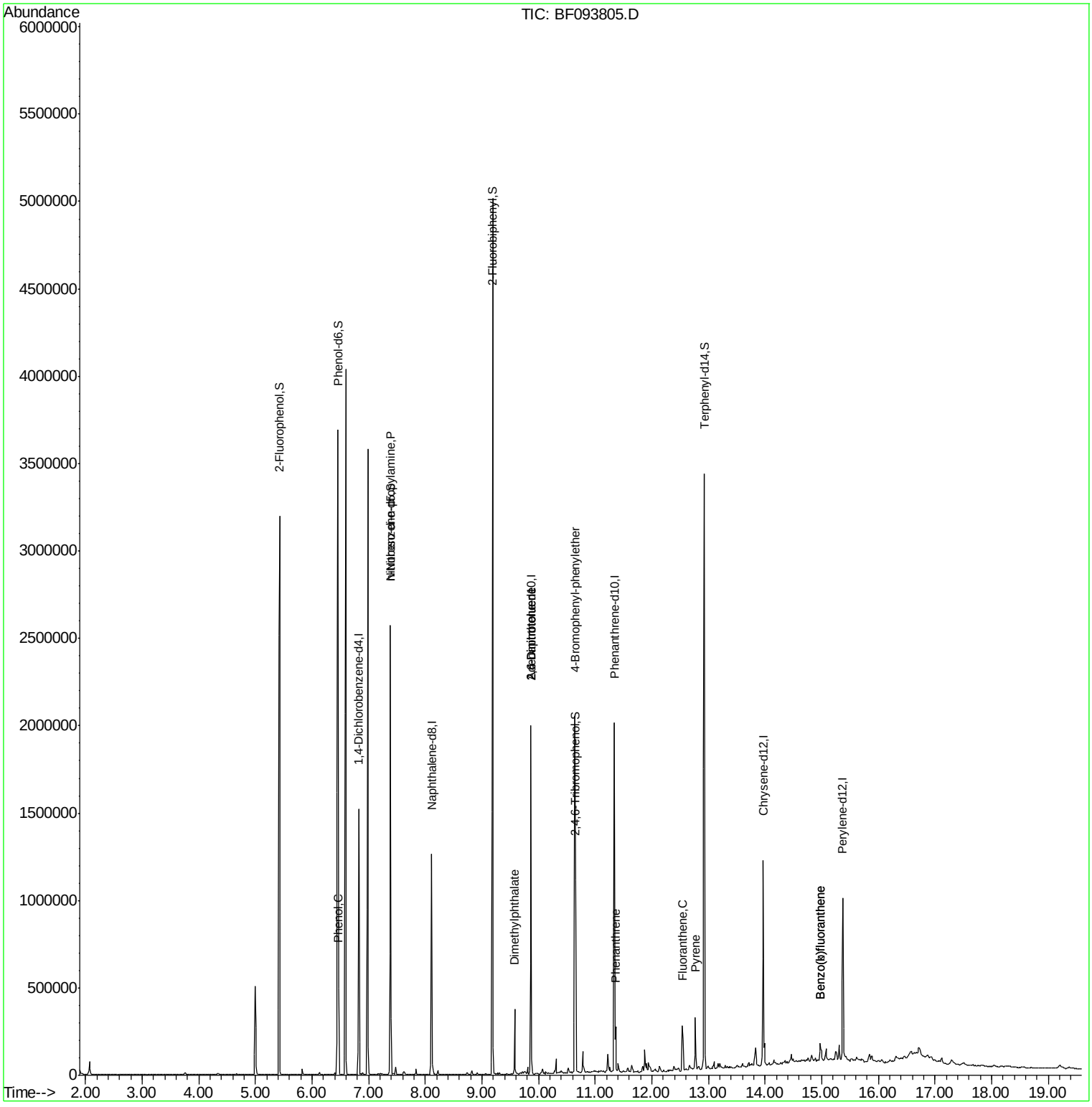
(#) = qualifier out of range (m) = manual integration (+) = signals summed

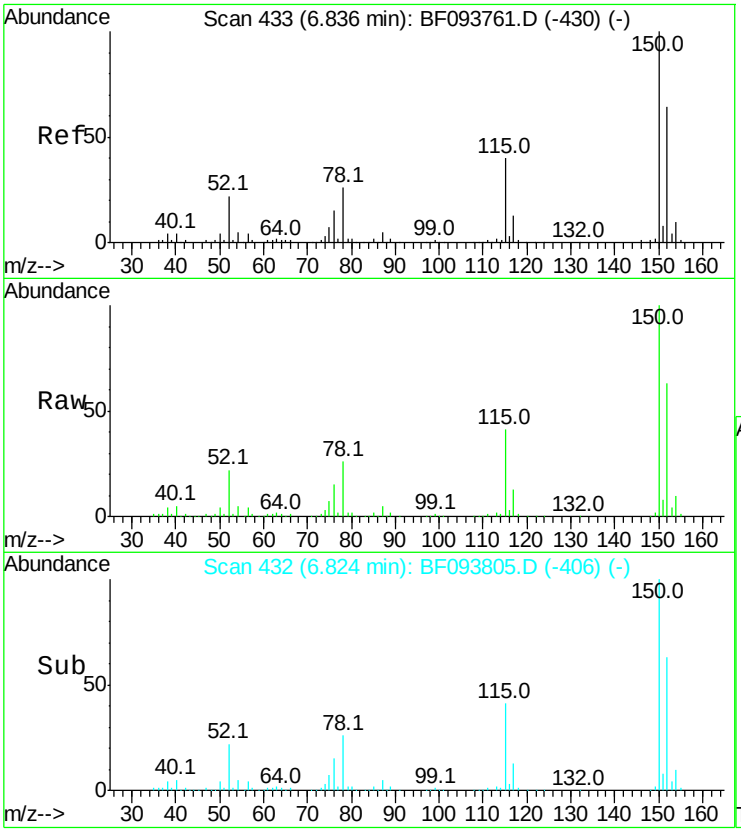
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
Data File : BF093805.D
Acq On : 21 Mar 2017 18:27
Operator : SJ/MA
Sample : I2331-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Quant Time: Mar 22 00:54:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration



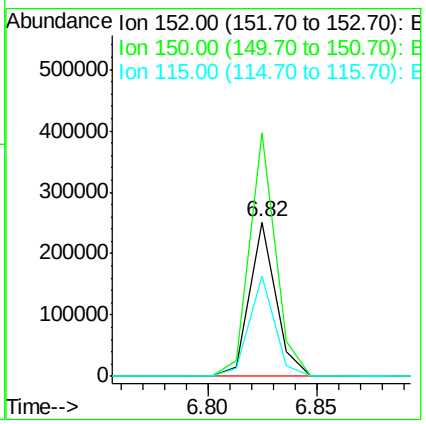


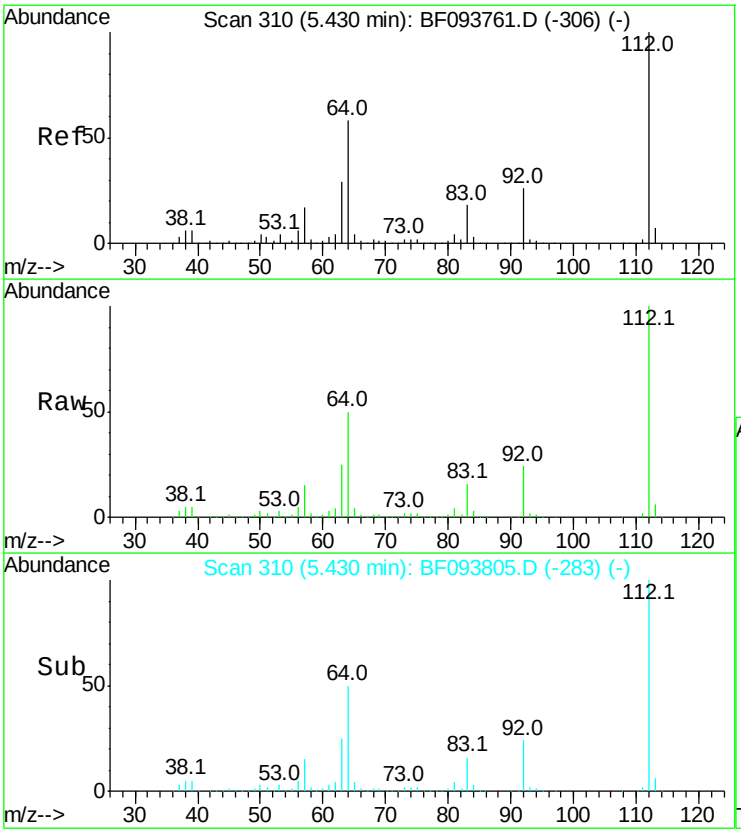

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:152 Resp: 209659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 126.2 | 189.2 |
| 115 | 64.6 | 52.2 | 78.2 |

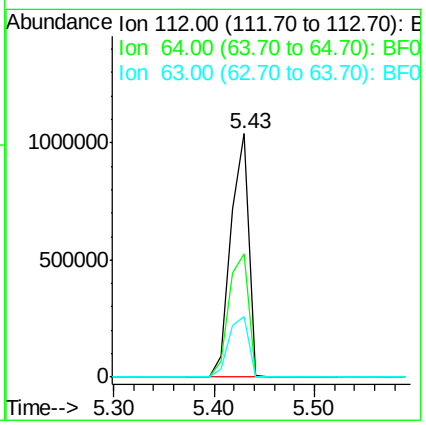


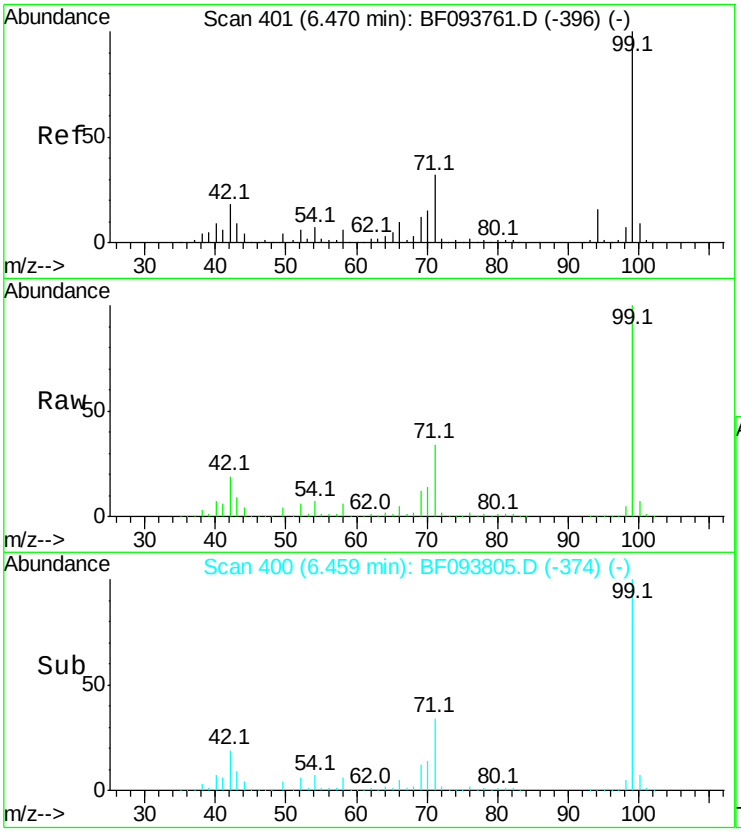




#5
2-Fluorophenol
Concen: 106.07 ng
RT: 5.43 min Scan# 310
Delta R.T. 0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:112 Resp: 1271703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 50.5 | 46.0 | 69.0 |
| 63 | 25.1 | 23.4 | 35.0 |



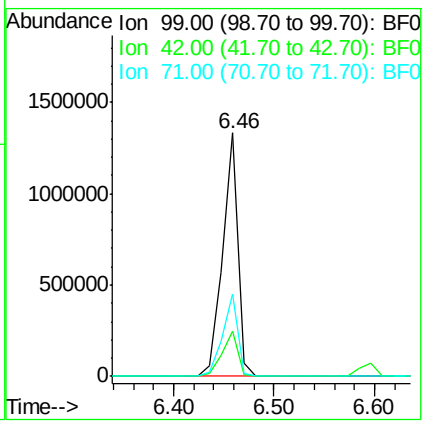


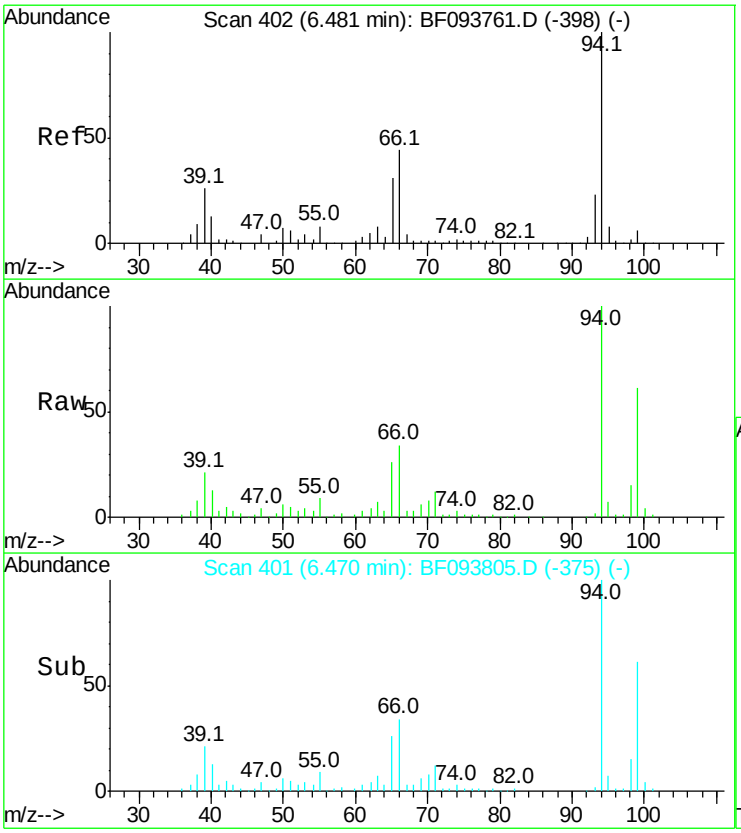

#7
Phenol-d6
Concen: 94.60 ng
RT: 6.46 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion: 99 Resp: 1401486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 13.5 | 20.3 |
| 71 | 33.8 | 24.5 | 36.7 |

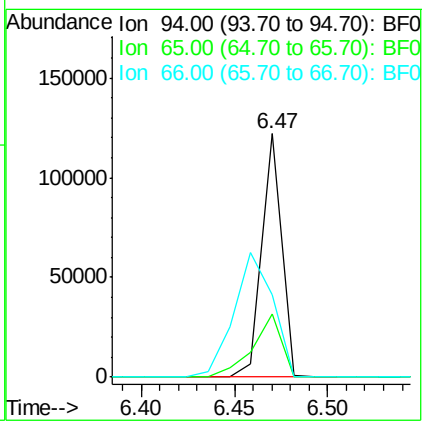


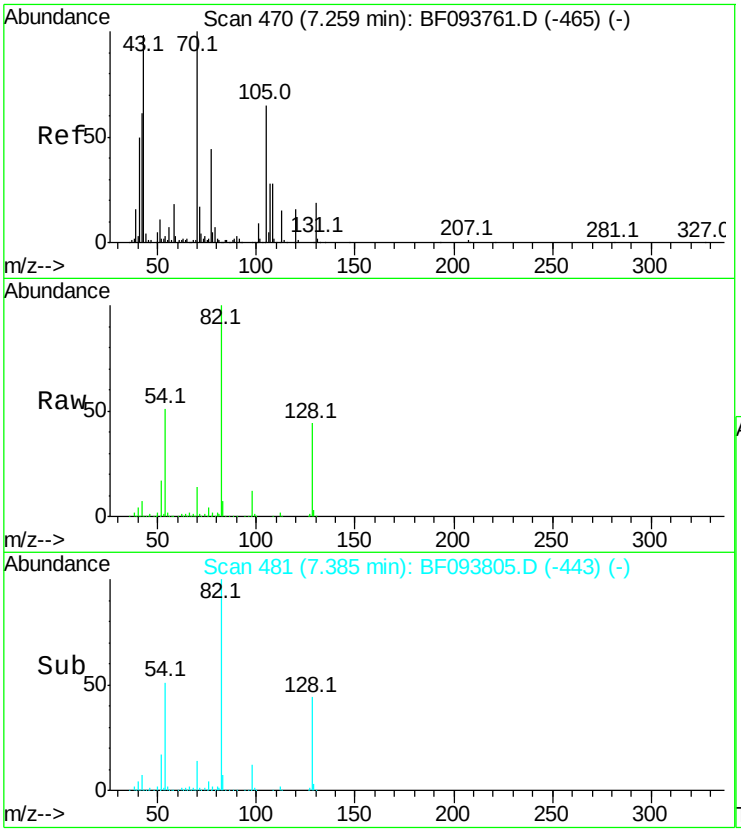




#10
Phenol
Concen: 5.36 ng
RT: 6.47 min Scan# 401
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion: 94 Resp: 89331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.8 | 9.9 | 49.9 |
| 66 | 34.0 | 23.1 | 63.1 |



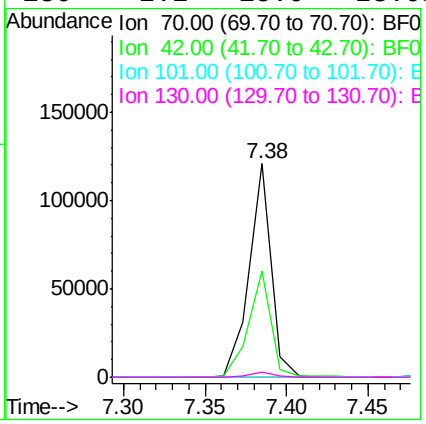


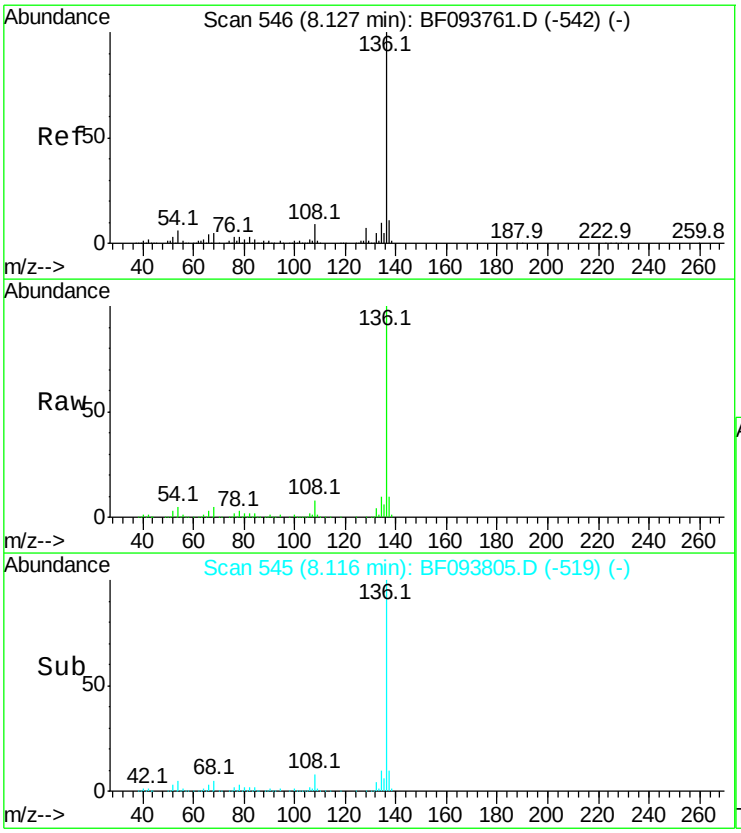

#19
n-Nitroso-di-n-propylamine
Concen: 11.62 ng
RT: 7.38 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion: 70 Resp: 112834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 49.7 | 47.2 | 70.8 |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.2 | 15.9 | 23.9# |

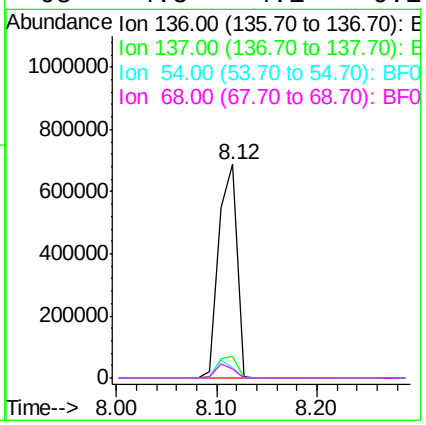


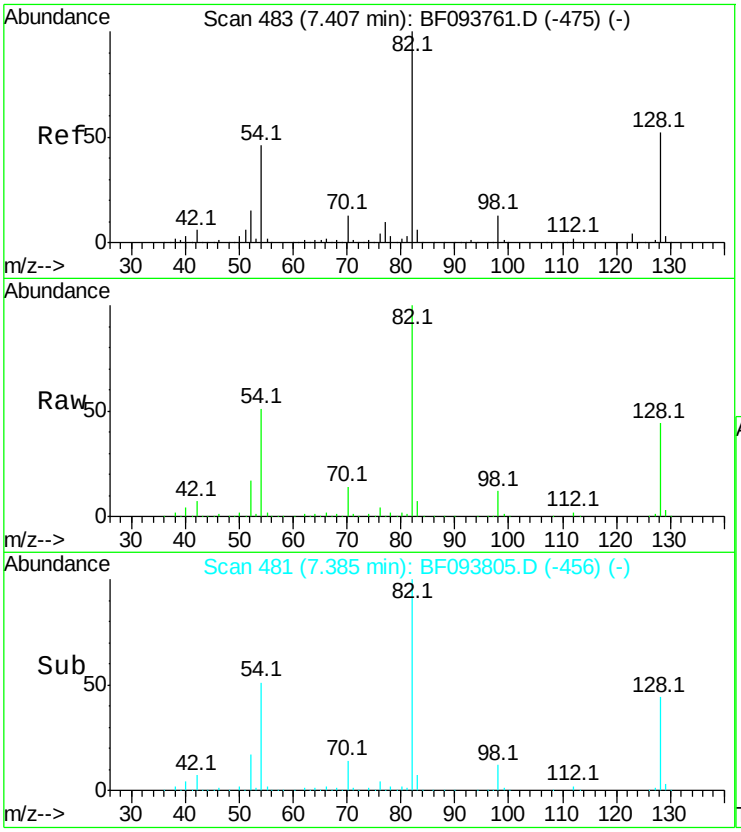




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:136 Resp: 868225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.5 | 12.7 |
| 54 | 5.0 | 4.9 | 7.3 |
| 68 | 4.5 | 4.1 | 6.1 |



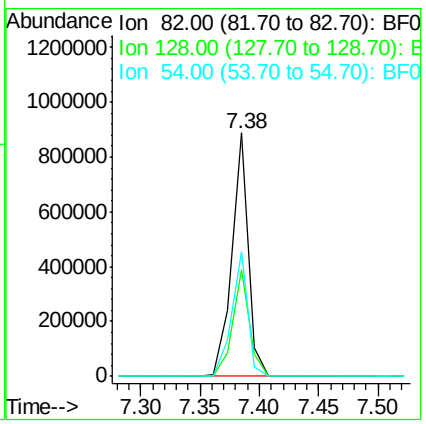


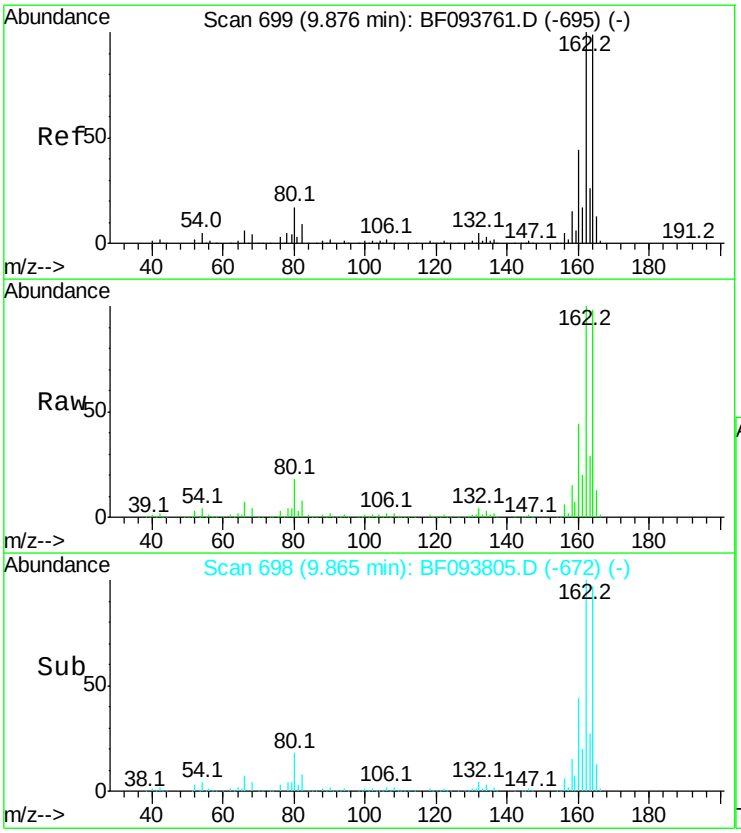

#23
Nitrobenzene-d5
Concen: 55.56 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion: 82 Resp: 850394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 34.0 | 51.0 |
| 54 | 51.3 | 42.2 | 63.2 |

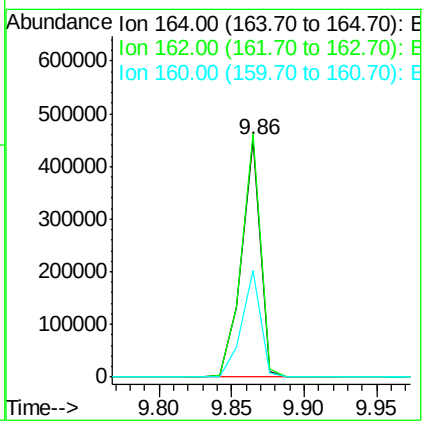


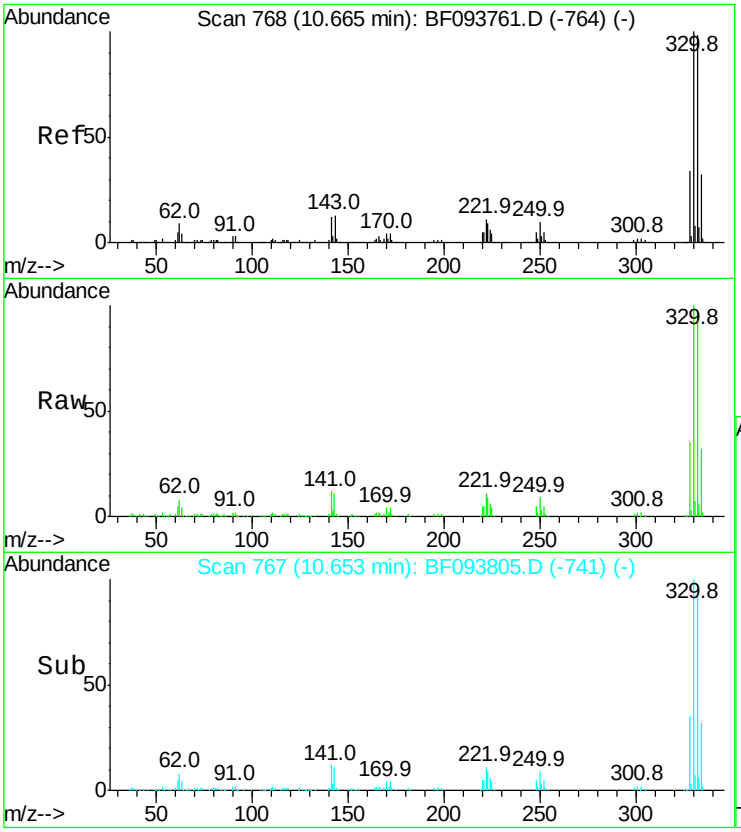




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:164 Resp: 410020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 82.6 | 123.8 |
| 160 | 44.9 | 36.2 | 54.2 |



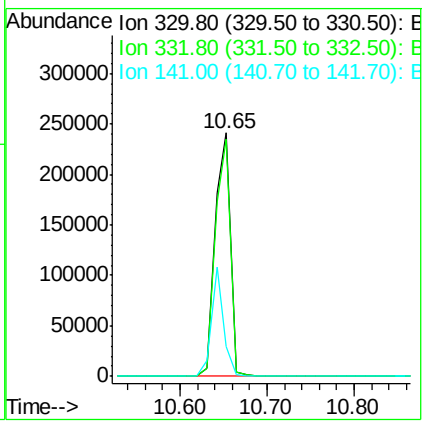


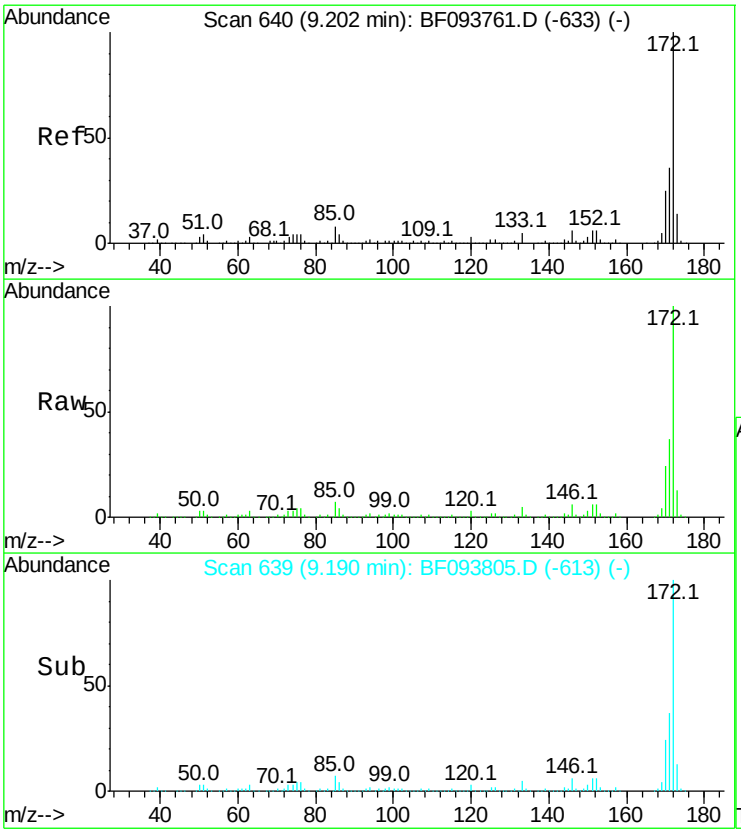

#41
2,4,6-Tribromophenol
Concen: 95.13 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:330 Resp: 302122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.6 | 115.0 |
| 141 | 35.6 | 31.4 | 47.2 |

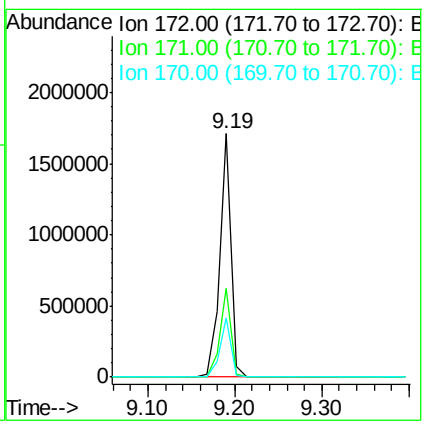


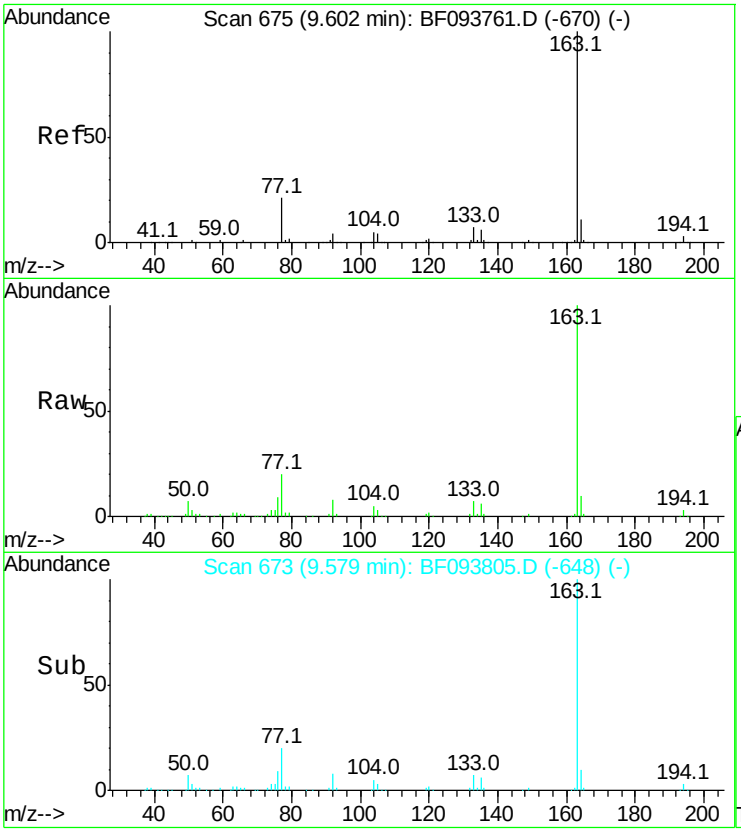




#44
2-Fluorobiphenyl
Concen: 63.90 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:172 Resp: 1558144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.6 | 44.4 |
| 170 | 24.3 | 19.8 | 29.8 |



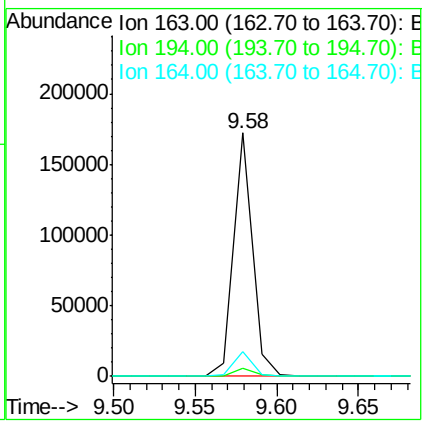


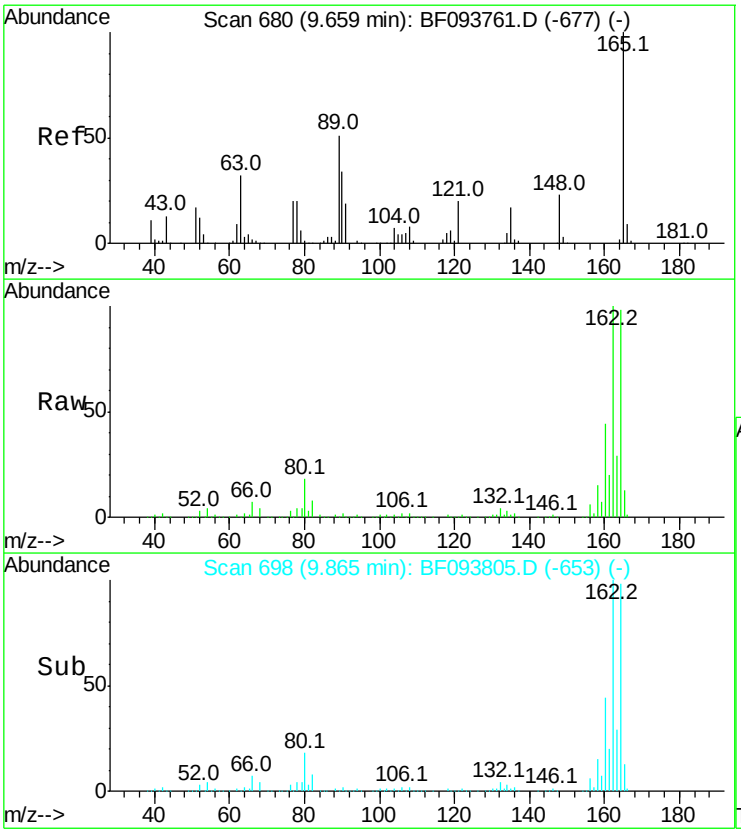

#49
Dimethylphthalate
Concen: 4.67 ng
RT: 9.58 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:163 Resp: 136293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.6 | 4.0 |
| 164 | 10.3 | 8.4 | 12.6 |

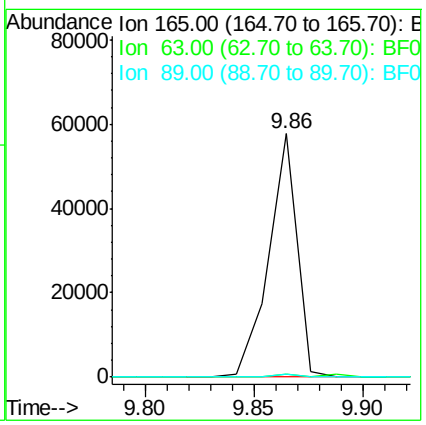


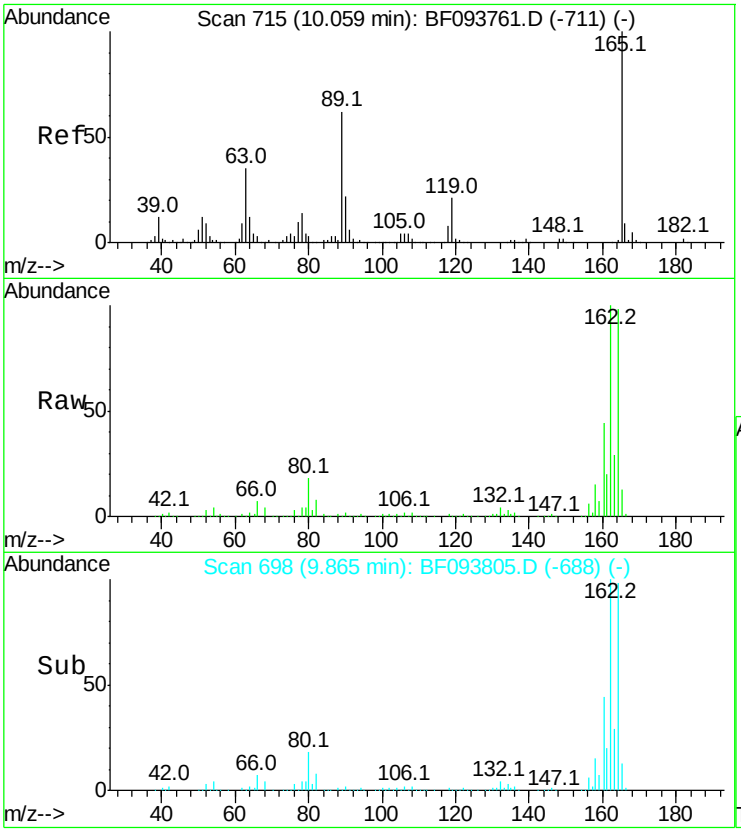




#50
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 9.86 min Scan# 698
Delta R.T. 0.22 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:165 Resp: 52989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 34.3 | 51.5# |
| 89 | 1.2 | 37.1 | 55.7# |



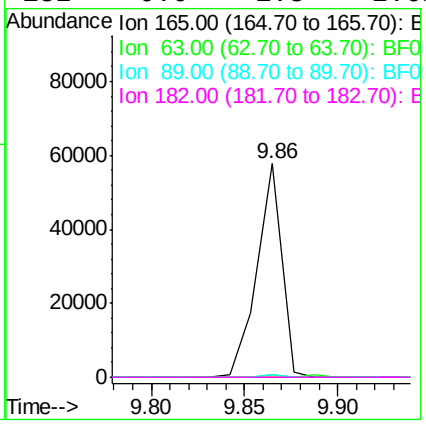


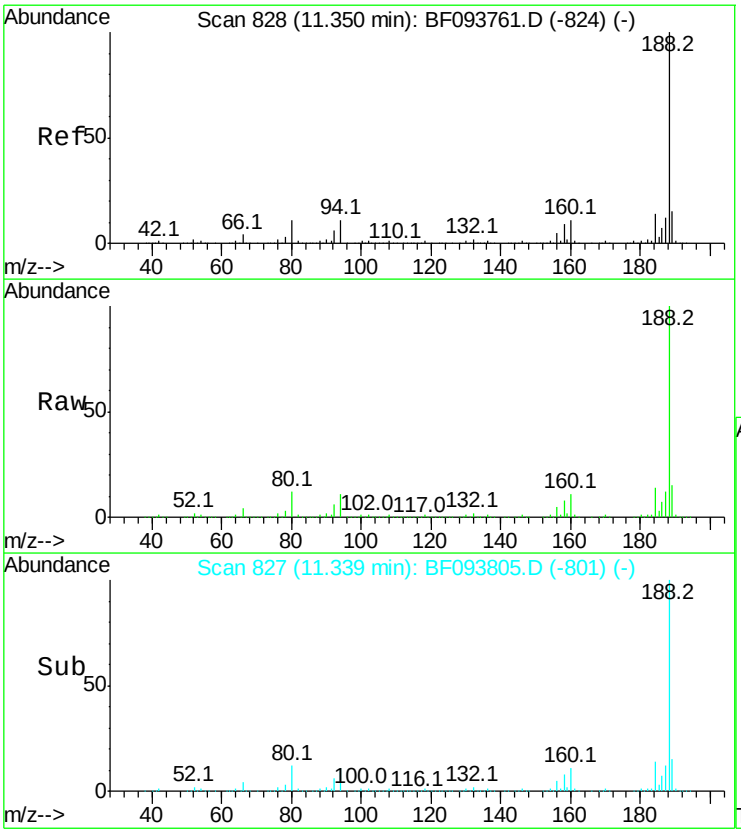

#56
2,4-Dinitrotoluene
Concen: 6.52 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.18 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:165 Resp: 52991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 25.4 | 38.0# |
| 89 | 1.2 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |

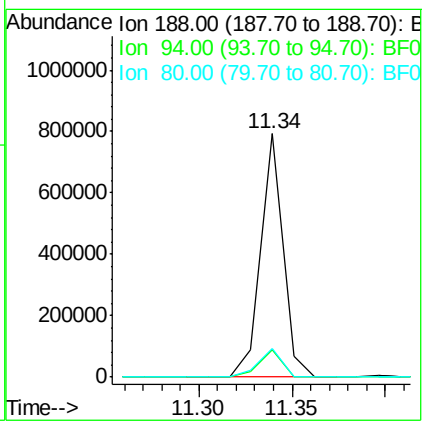


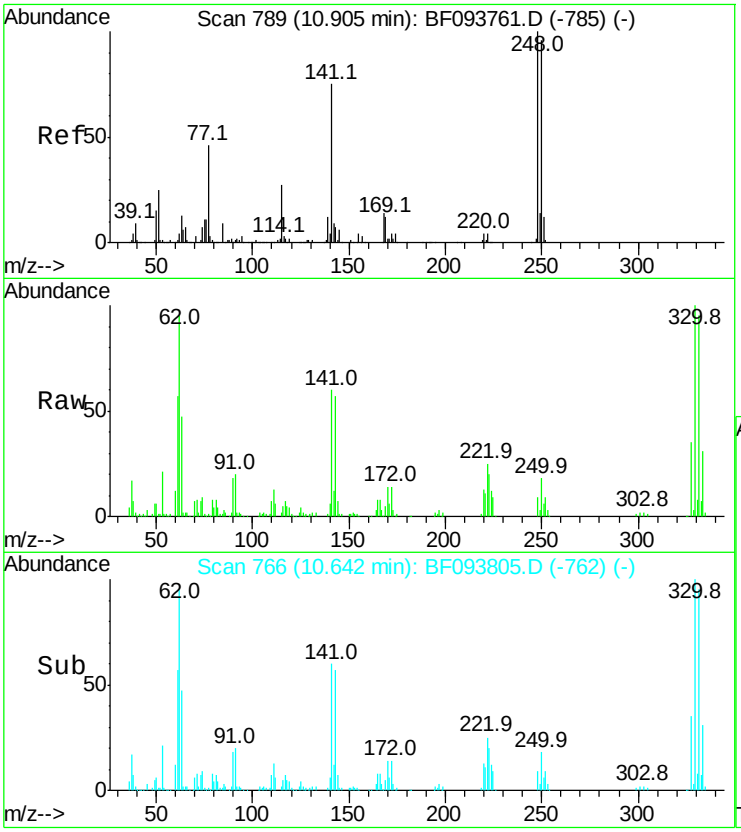




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:188 Resp: 653734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 9.4 | 14.2 |
| 80 | 11.7 | 10.2 | 15.2 |



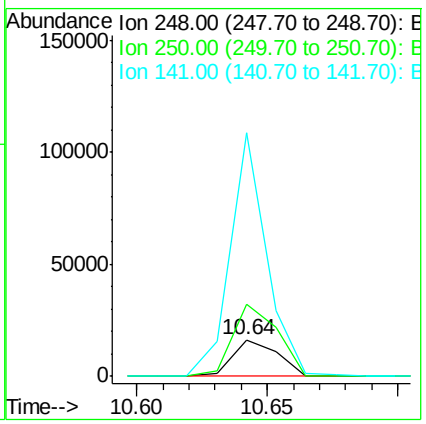


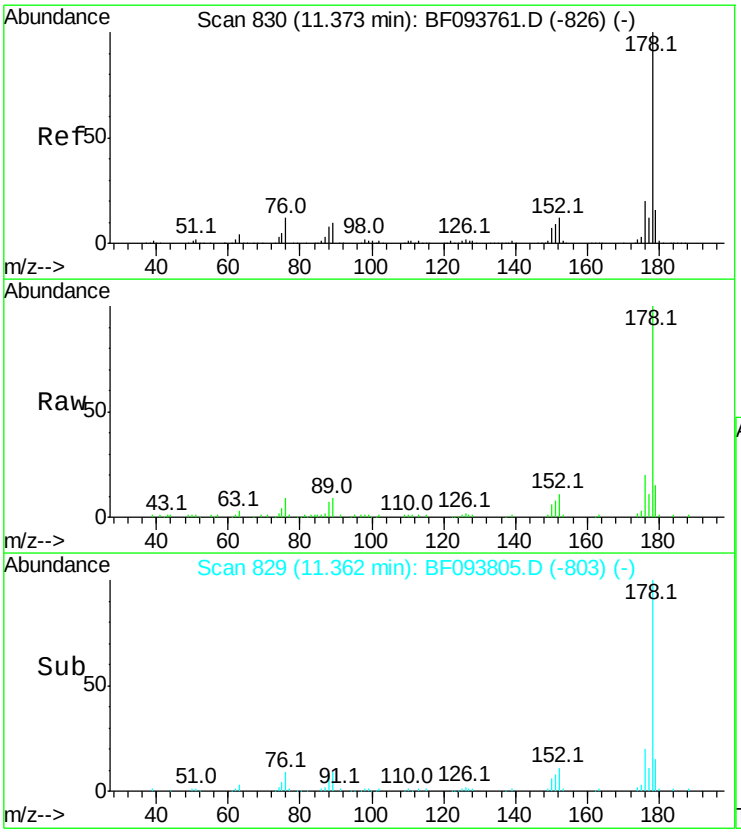

#66
4-Bromophenyl-phenylether
Concen: 3.13 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.25 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:248 Resp: 19696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.7 | 76.8 | 115.2# |
| 141 | 672.0 | 68.6 | 103.0# |

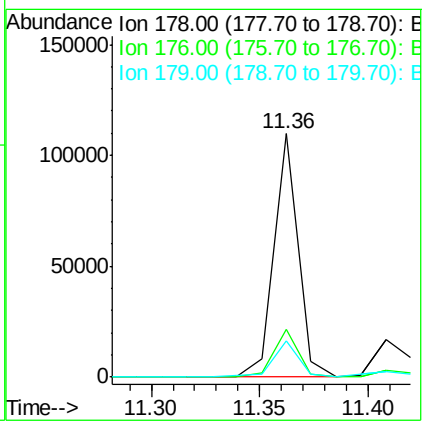


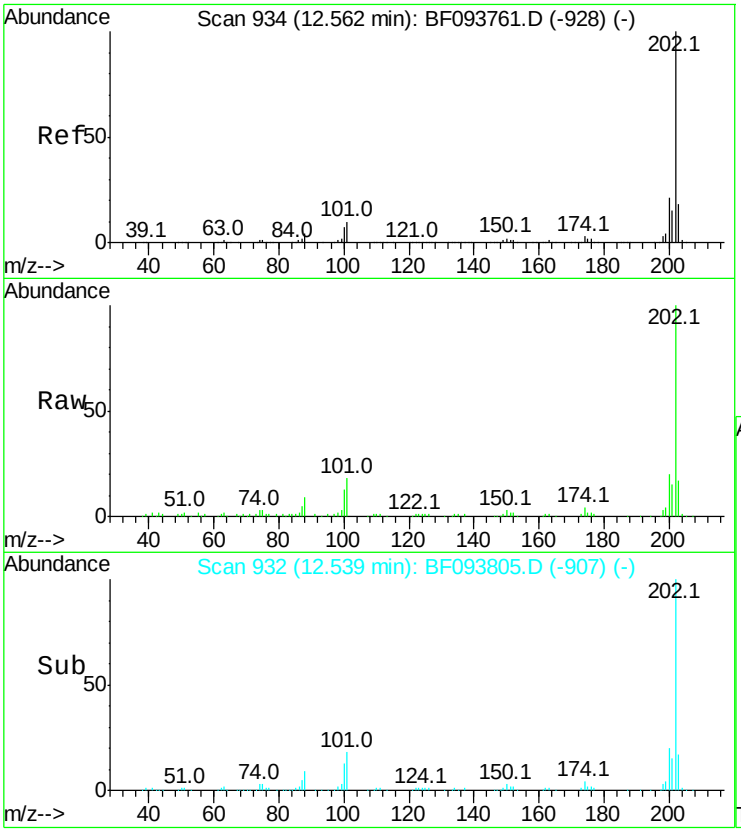




#70
Phenanthrene
Concen: 2.48 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:178 Resp: 86475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 16.2 | 24.4 |
| 179 | 14.7 | 12.6 | 19.0 |



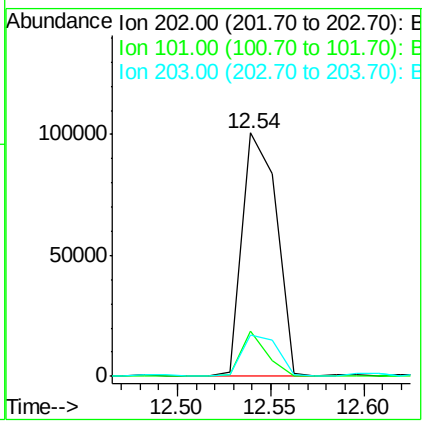


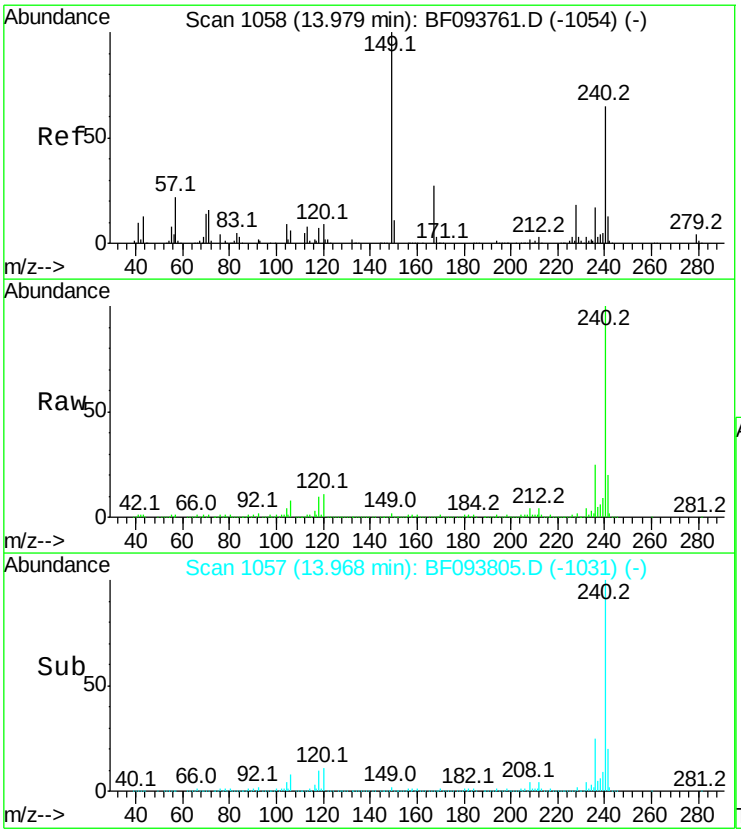

#74
Fluoranthene
Concen: 3.62 ng
RT: 12.54 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:202 Resp: 129371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.5 | 0.0 | 33.2 |
| 203 | 16.8 | 0.0 | 38.1 |

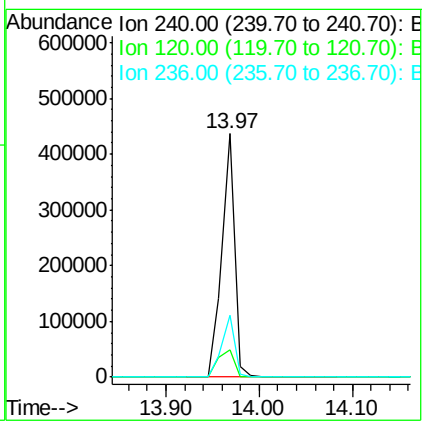


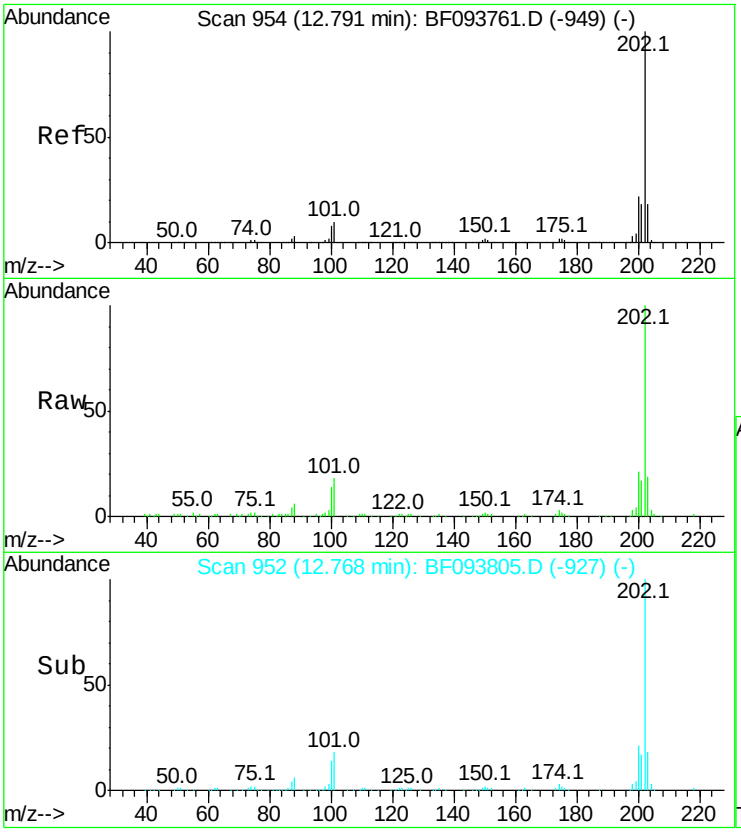




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:240 Resp: 416111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 5.8 | 8.8# |
| 236 | 25.3 | 20.5 | 30.7 |



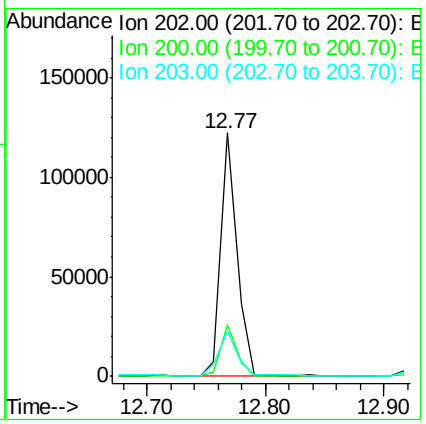


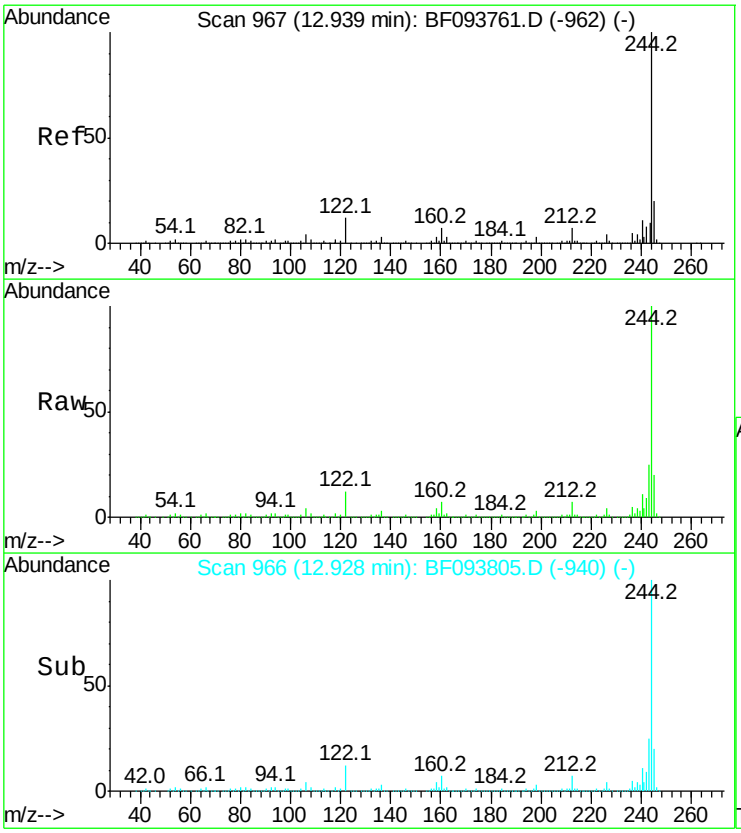

#77
Pyrene
Concen: 3.36 ng
RT: 12.77 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:202 Resp: 116420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.6 | 26.4 |
| 203 | 18.6 | 14.4 | 21.6 |

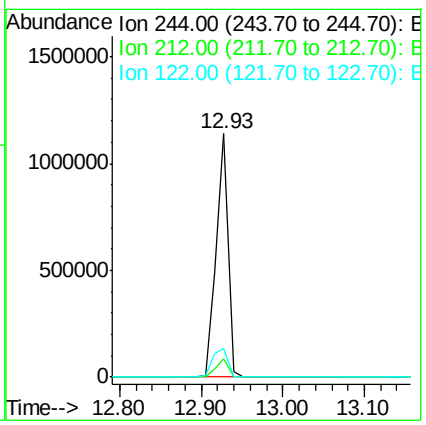


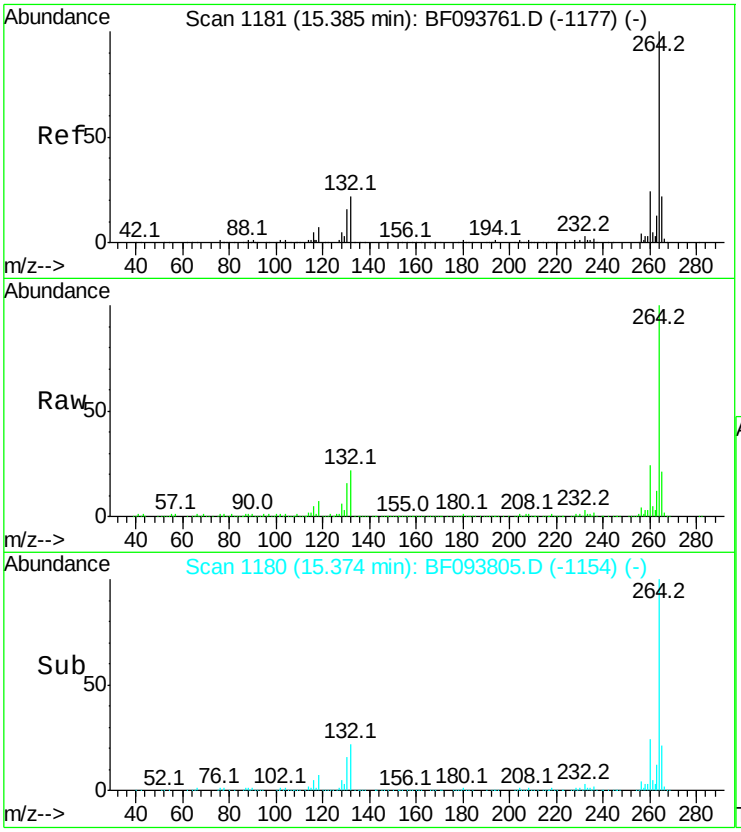




#78
Terphenyl-d14
Concen: 56.28 ng
RT: 12.93 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:244 Resp: 1148555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 11.7 | 10.3 | 15.5 |



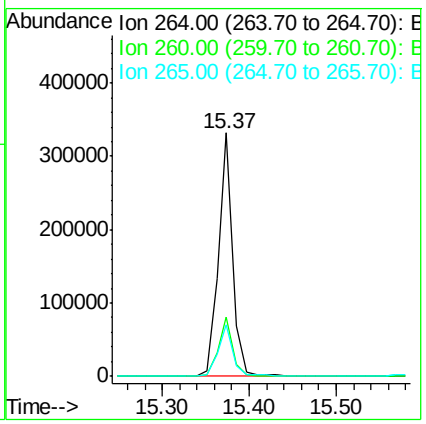


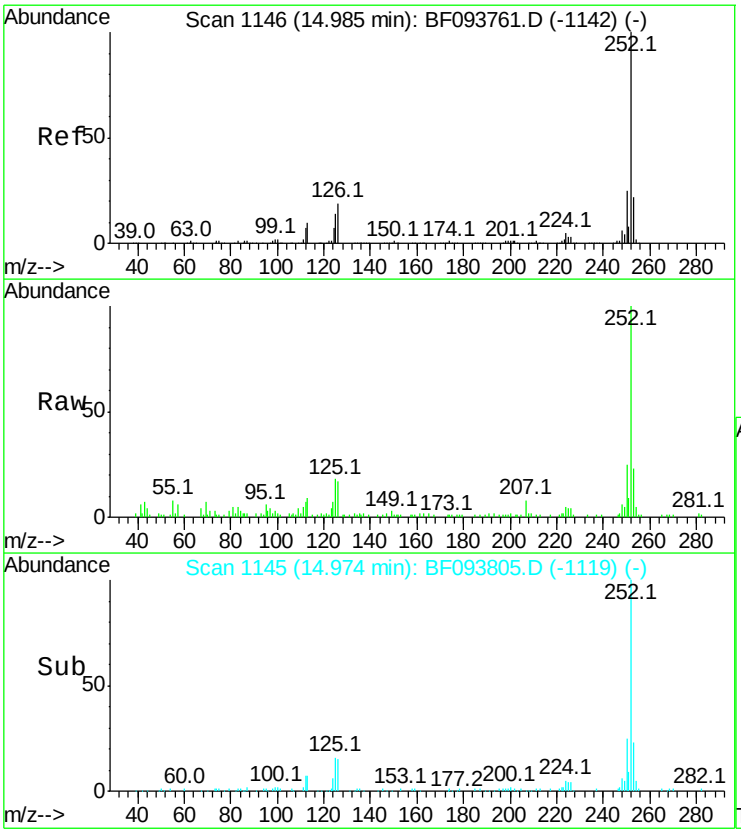

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:264 Resp: 383488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.5 | 29.3 |
| 265 | 21.5 | 17.2 | 25.8 |

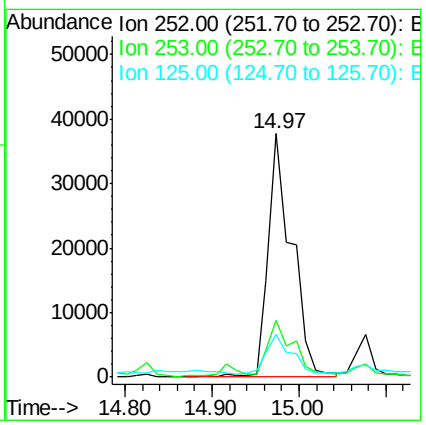


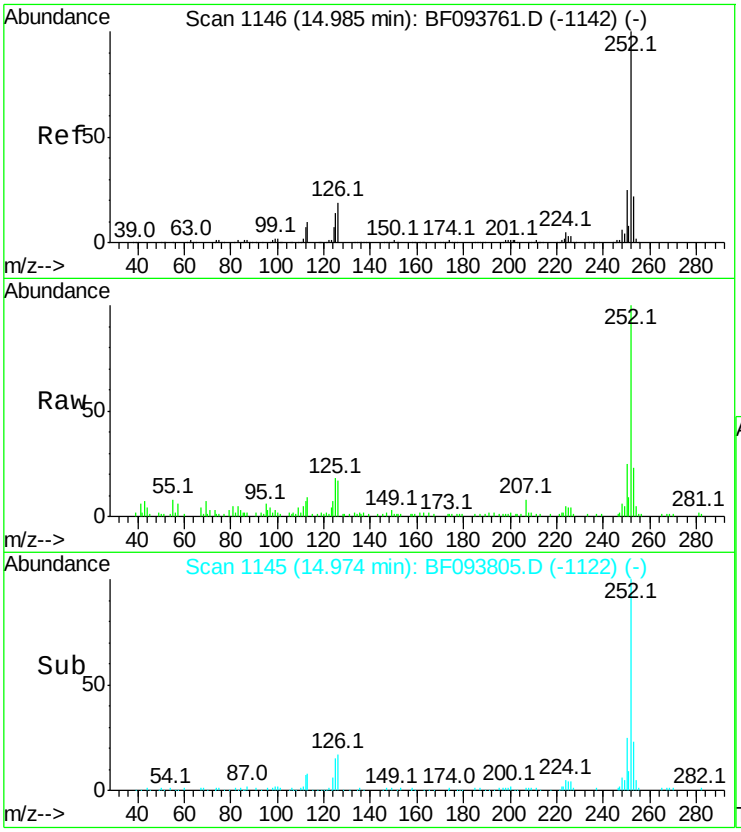




#87
Benzo(b)fluoranthene
Concen: 2.77 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:252 Resp: 71532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.1 | 27.1 |
| 125 | 17.5 | 9.8 | 14.8# |






#88
Benzo(k)fluoranthene
Concen: 3.75 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-01-002-B

Tgt Ion:252 Resp: 71532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.4 | 27.6 |
| 125 | 17.5 | 13.1 | 19.7 |