Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
Data File : BF096436.D
Acq On : 3 Jul 2017 12:56
Operator : SJ/MA
Sample : I3908-04RE 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 03 16:14:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 141817 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.00 | 136 | 584371 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.76 | 164 | 234444 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 372702 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.86 | 240 | 249629 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.28 | 264 | 254084 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 330233 | 34.37 | ng | | -0.02 |
| 7) Phenol-d6 | 6.35 | 99 | 406194 | 34.39 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 207917 | 21.38 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 68223 | 37.25 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.08 | 172 | 414607 | 30.24 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.82 | 244 | 232789 | 19.93 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 8.03 | 128 | 110572 | 4.01 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 88056 | 5.01 | ng | | 98 |
| 49) Dimethylphthalate | 9.47 | 163 | 94215 | 5.38 | ng | | 99 |
| 70) Phenanthrene | 11.26 | 178 | 120078 | 5.96 | ng | | 98 |
| 74) Fluoranthene | 12.44 | 202 | 138104 | 6.99 | ng | | 99 |
| 77) Pyrene | 12.67 | 202 | 123344 | 6.16 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.89 | 228 | 83815 | 5.80 | ng | | 96 |
| 82) Chrysene | 13.89 | 228 | 83815 | 5.54 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 35132 | 2.94 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.87 | 252 | 159084 | 9.99 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 159084 | 11.17 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.22 | 252 | 58360 | 4.11 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 33378 | 2.88 | ng | | 100 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
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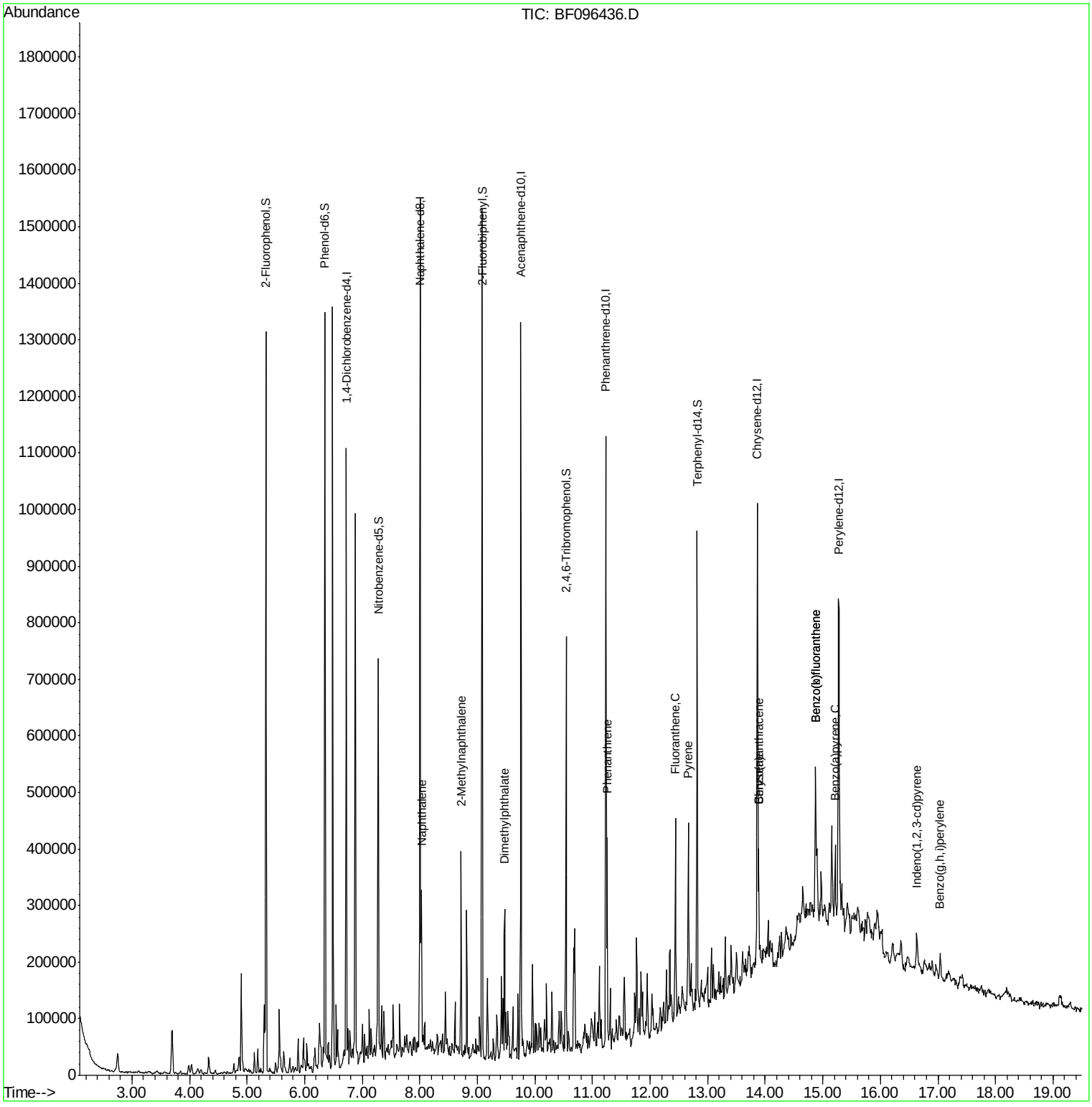
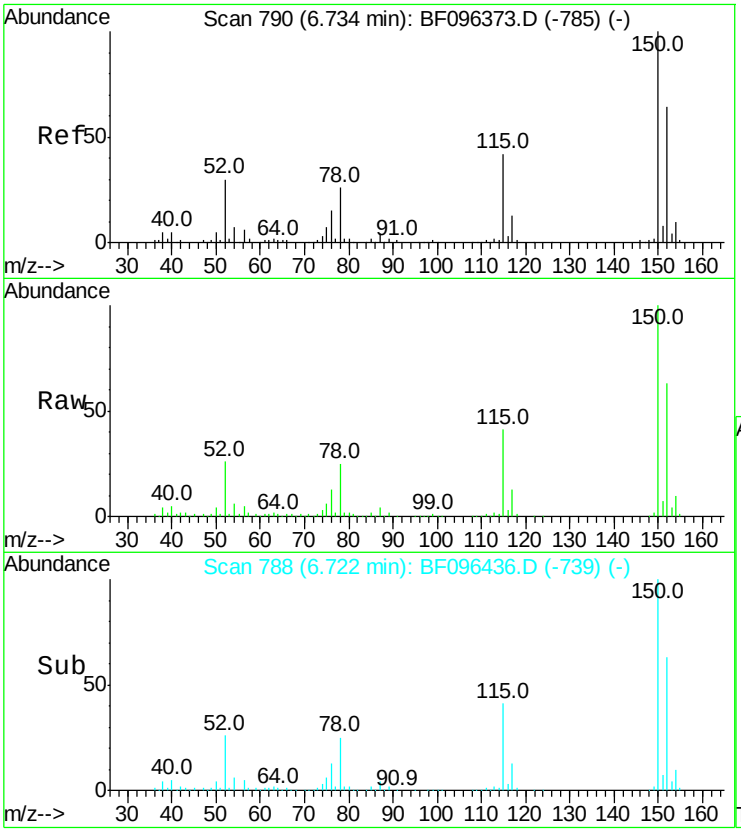
Acq On : 3 Jul 2017 12:56
Operator : SJ/MA
Sample : I3908-04RE 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 03 16:14:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration



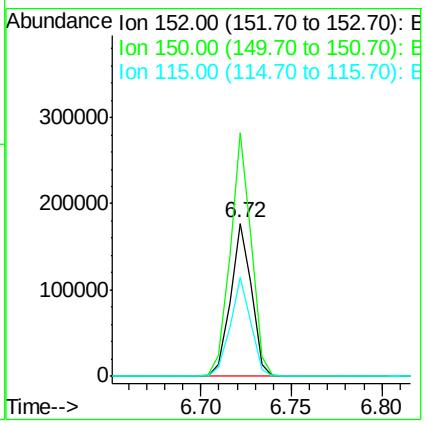


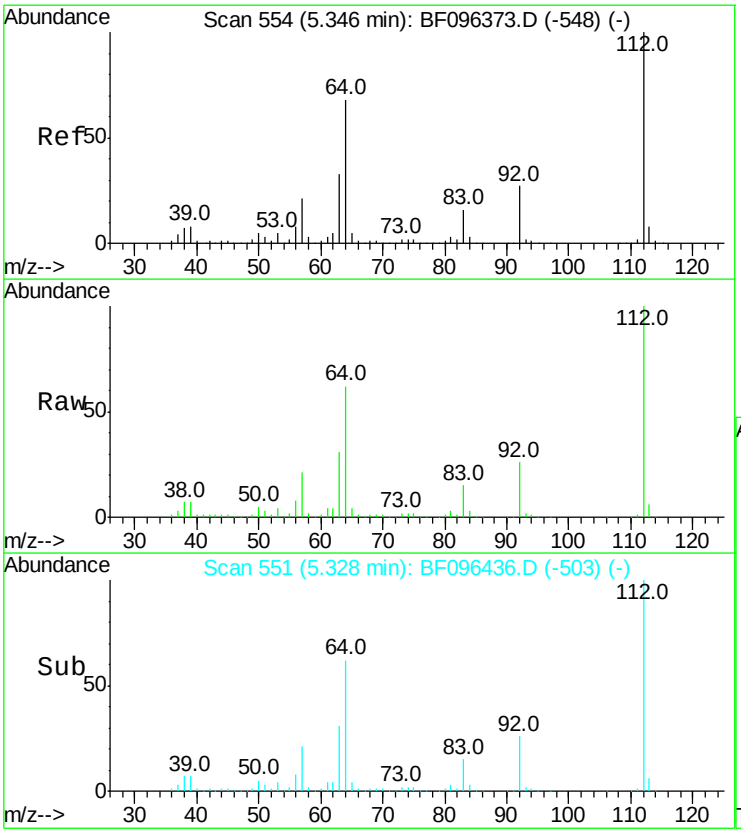

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:152 Resp: 141817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 126.2 | 189.2 |
| 115 | 64.6 | 52.2 | 78.2 |

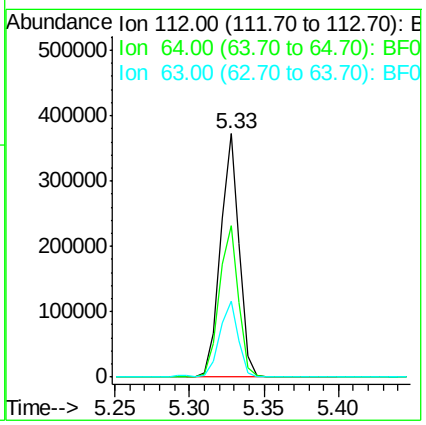


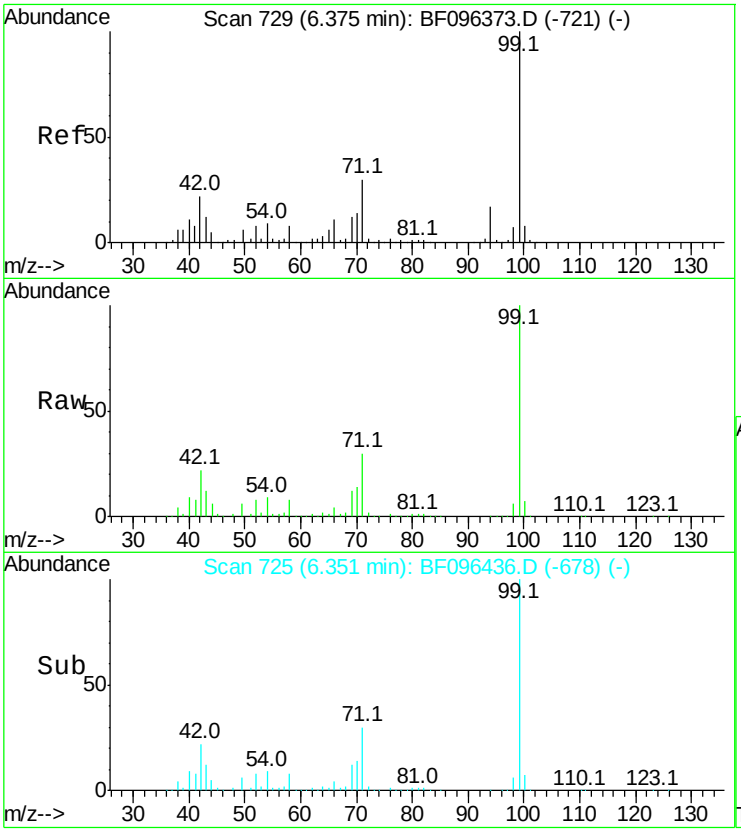




#5
2-Fluorophenol
Concen: 34.37 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:112 Resp: 330233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.2 | 46.0 | 69.0 |
| 63 | 31.1 | 23.4 | 35.0 |



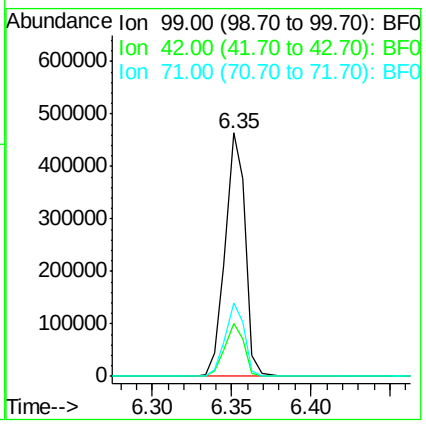


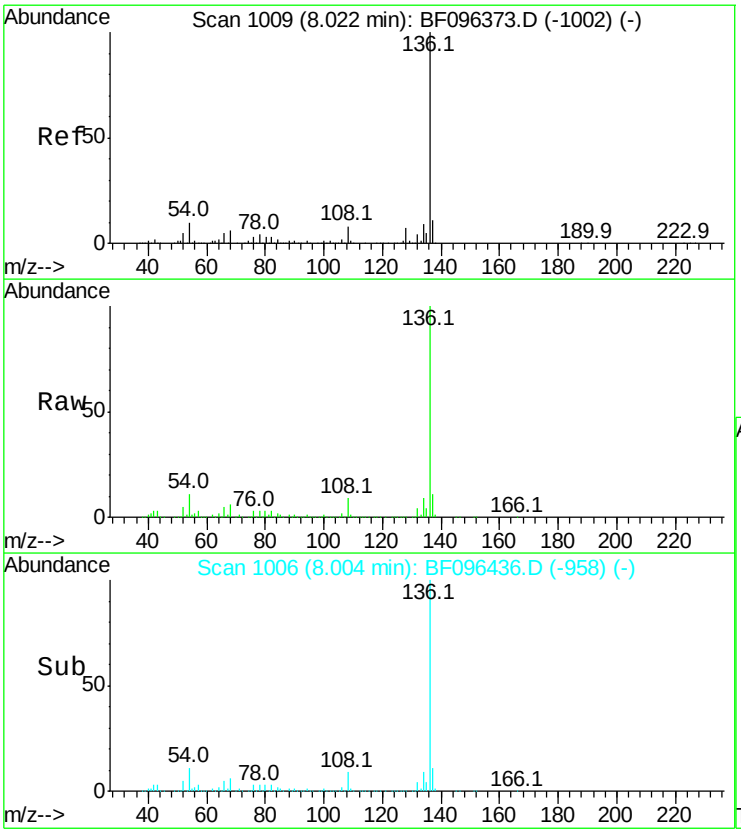

#7
Phenol-d6
Concen: 34.39 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion: 99 Resp: 406194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.9 | 13.5 | 20.3# |
| 71 | 29.9 | 24.5 | 36.7 |

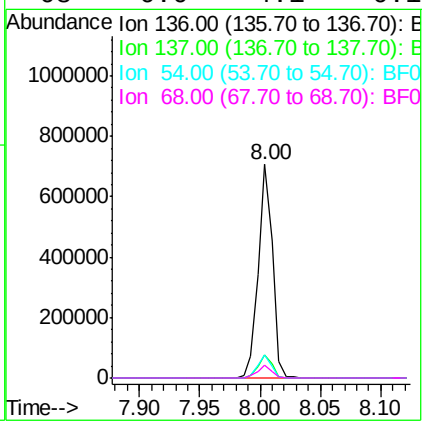


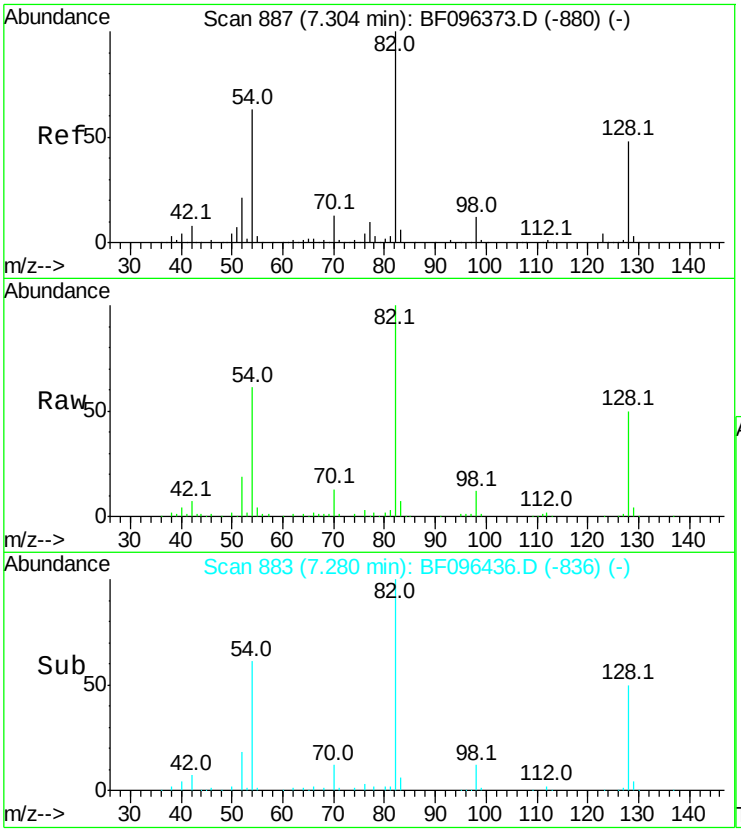




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:136 Resp: 584371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.5 | 12.7 |
| 54 | 10.8 | 4.9 | 7.3# |
| 68 | 6.0 | 4.1 | 6.1 |



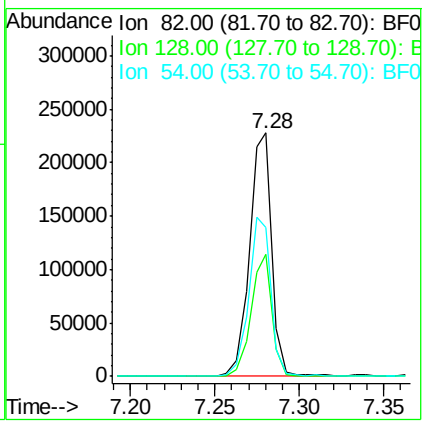


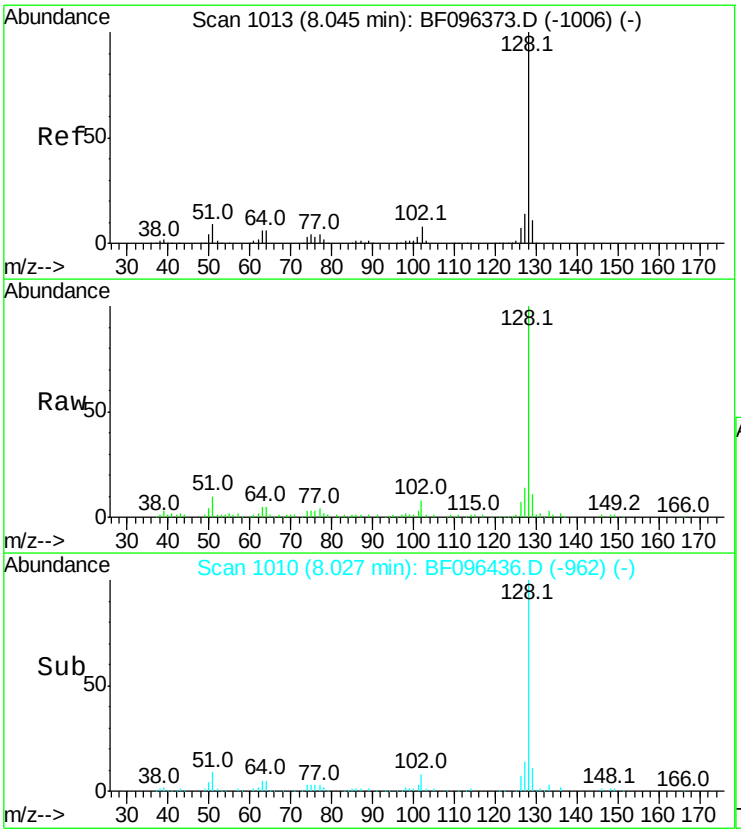

#23
Nitrobenzene-d5
Concen: 21.38 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion: 82 Resp: 207917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.9 | 34.0 | 51.0 |
| 54 | 61.3 | 42.2 | 63.2 |

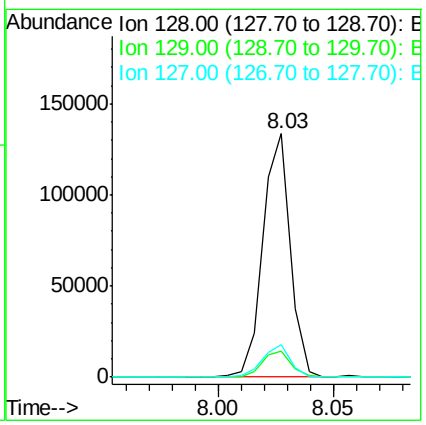


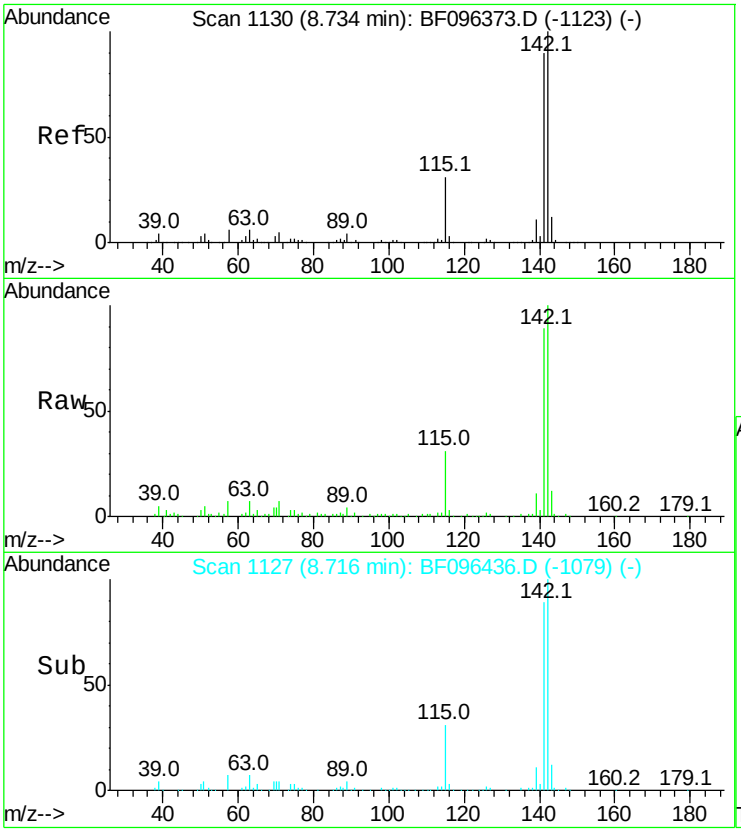




#31
Naphthalene
Concen: 4.01 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:128 Resp: 110572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 9.0 | 13.6 |
| 127 | 13.6 | 10.8 | 16.2 |



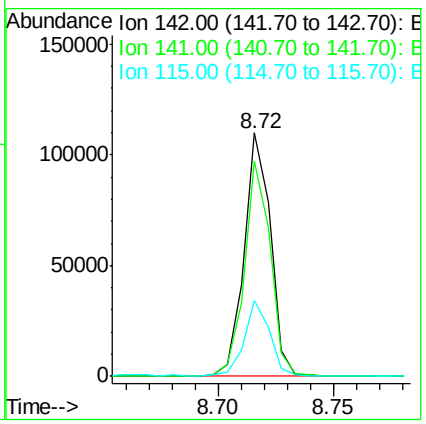


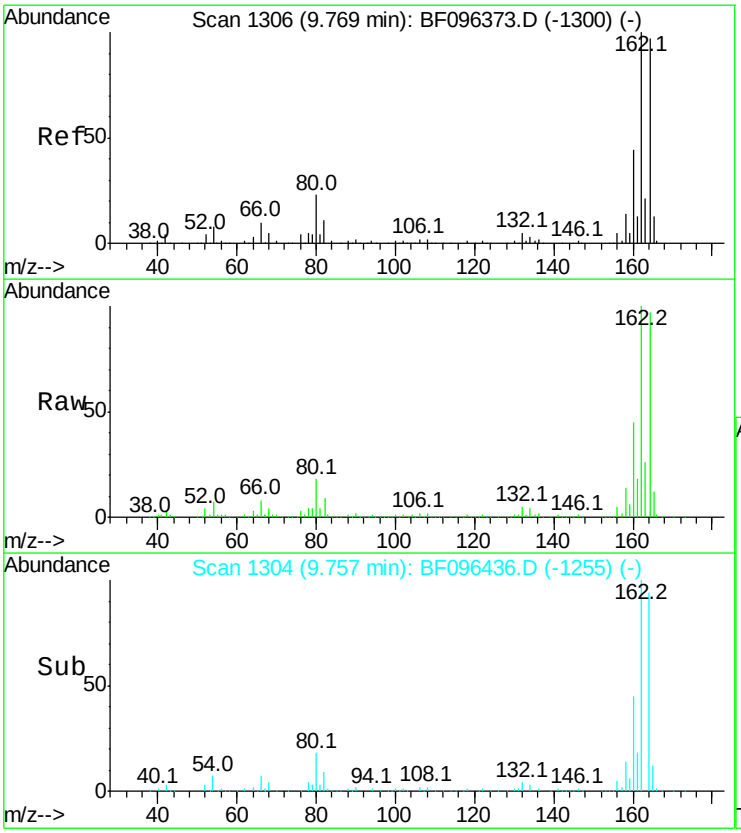

#37
2-Methylnaphthalene
Concen: 5.01 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:142 Resp: 88056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 71.3 | 106.9 |
| 115 | 31.1 | 27.1 | 40.7 |

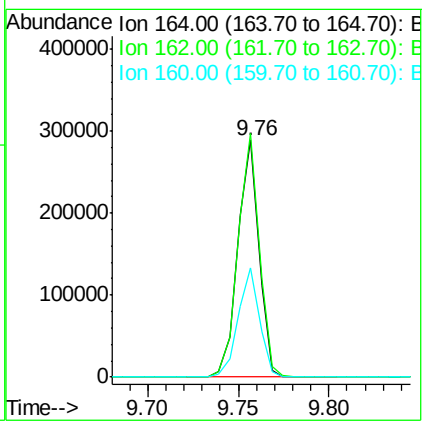


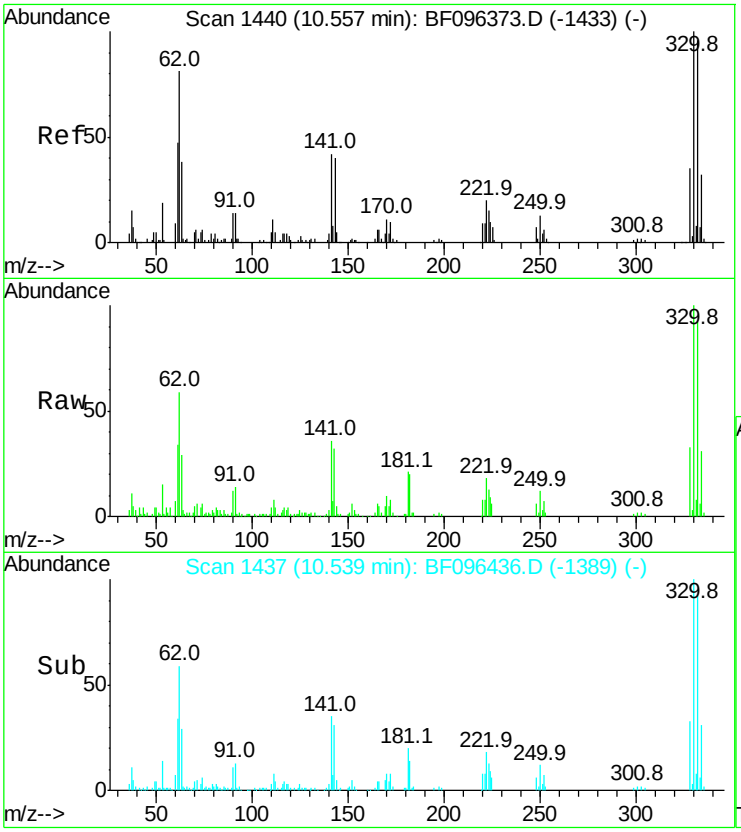




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:164 Resp: 234444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 82.6 | 123.8 |
| 160 | 46.0 | 36.2 | 54.2 |



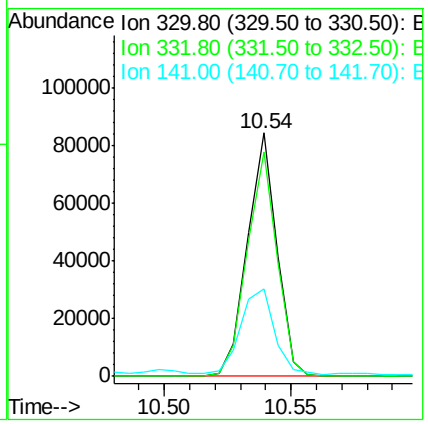


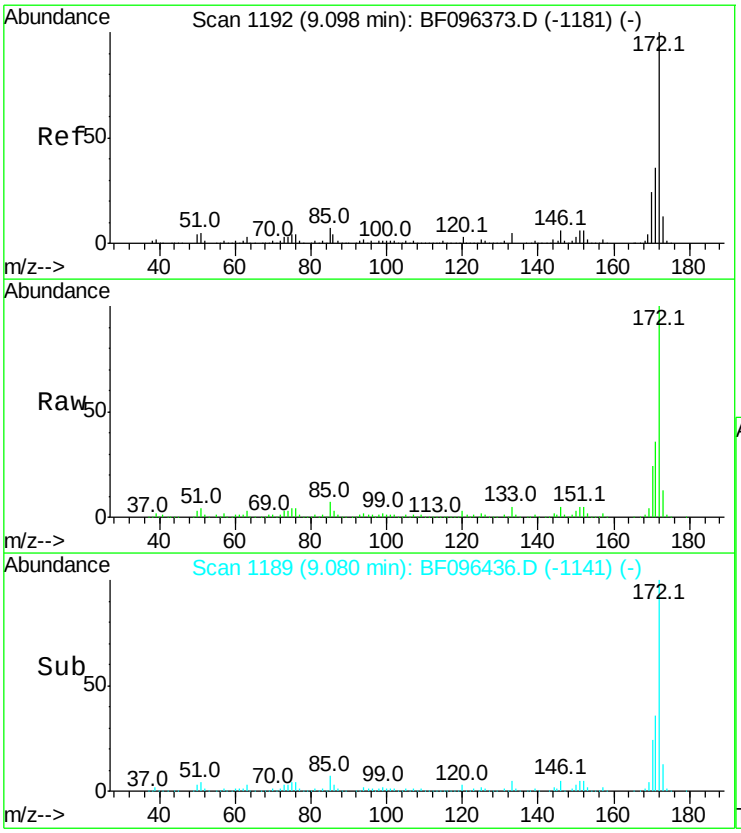

#41
2,4,6-Tribromophenol
Concen: 37.25 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:330 Resp: 68223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.9 | 76.6 | 115.0 |
| 141 | 39.8 | 31.4 | 47.2 |

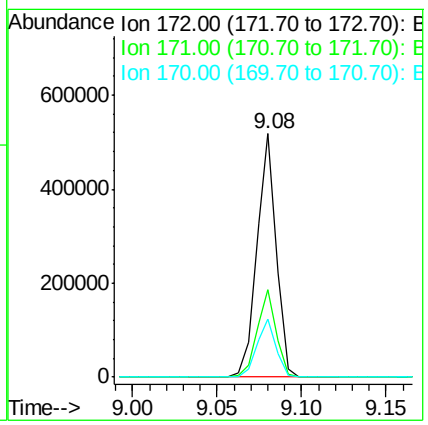


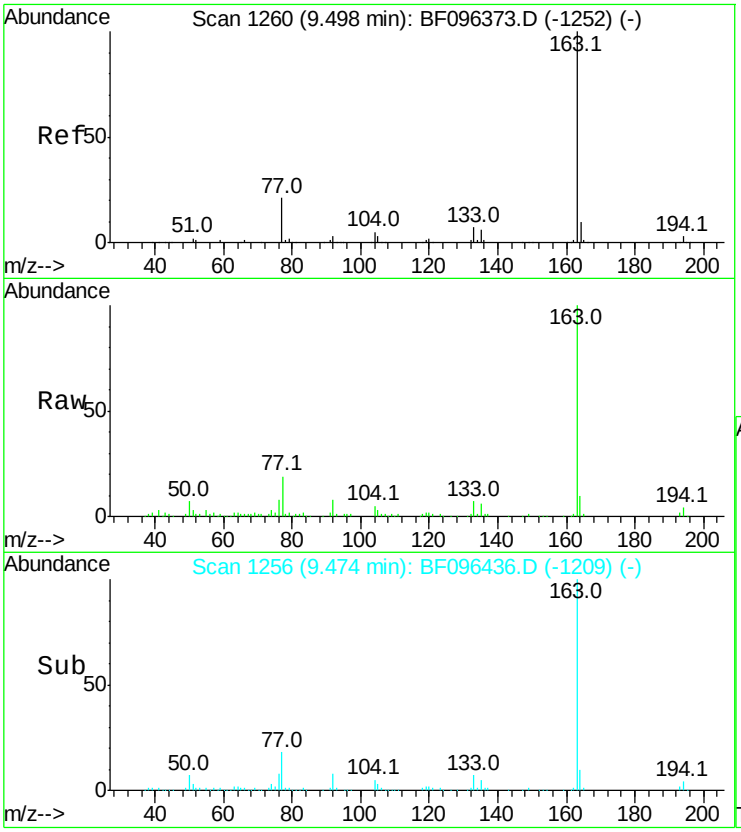




#44
2-Fluorobiphenyl
Concen: 30.24 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:172 Resp: 414607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.6 | 44.4 |
| 170 | 23.7 | 19.8 | 29.8 |



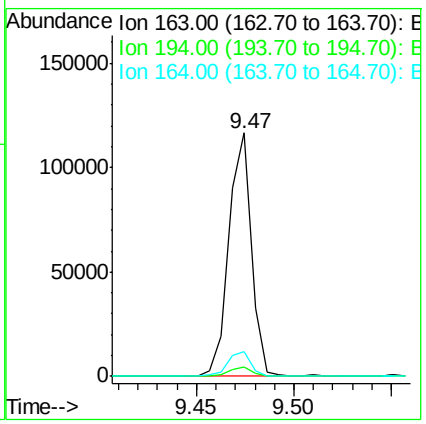


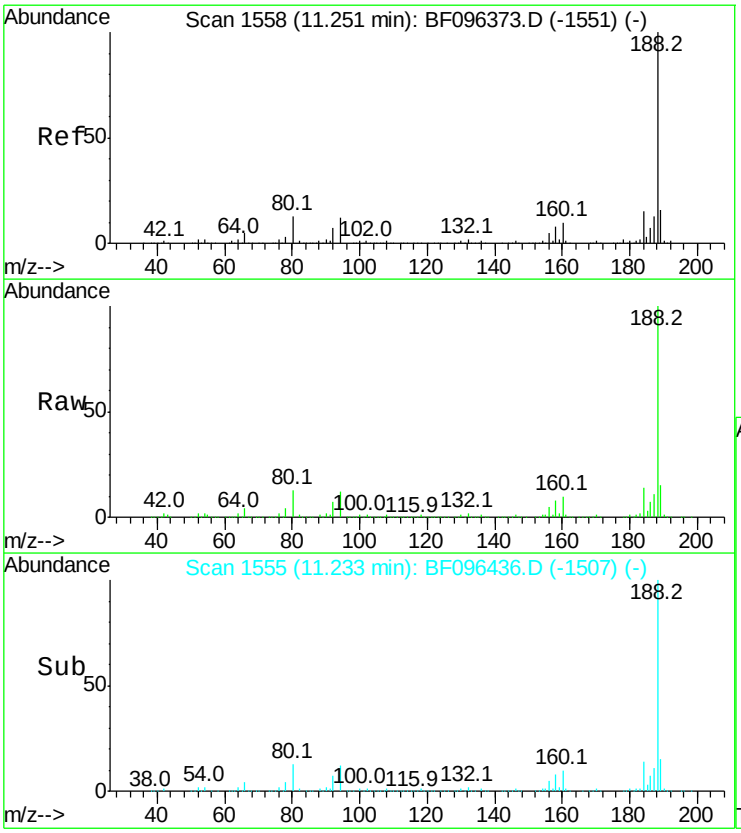

#49
Dimethylphthalate
Concen: 5.38 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:163 Resp: 94215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 2.6 | 4.0 |
| 164 | 10.0 | 8.4 | 12.6 |

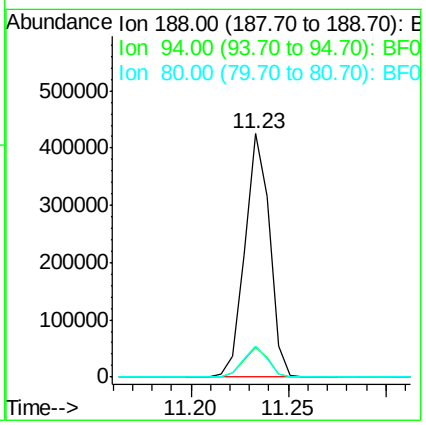


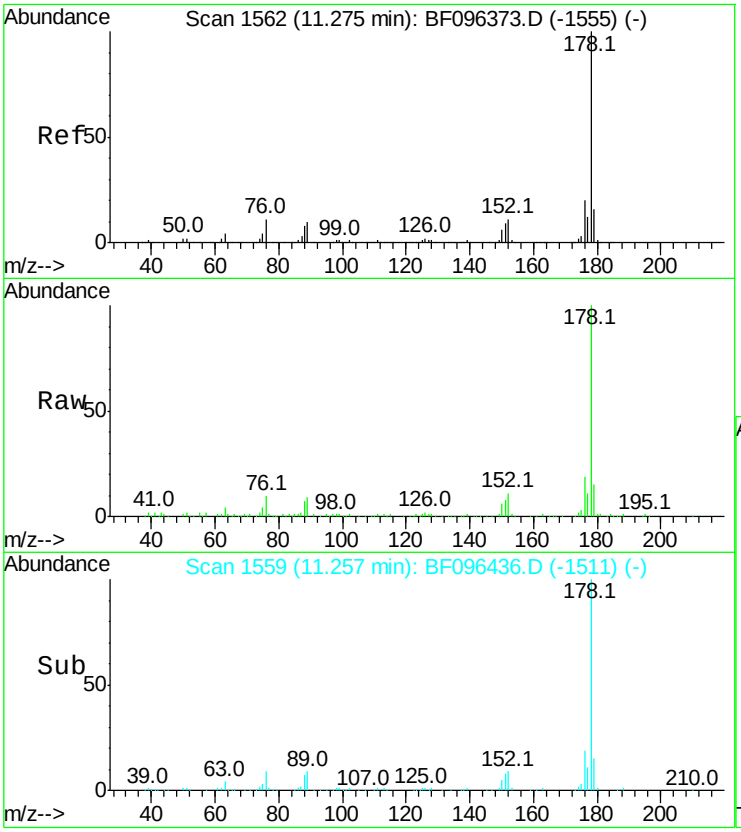




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:188 Resp: 372702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.4 | 9.4 | 14.2 |
| 80 | 12.6 | 10.2 | 15.2 |



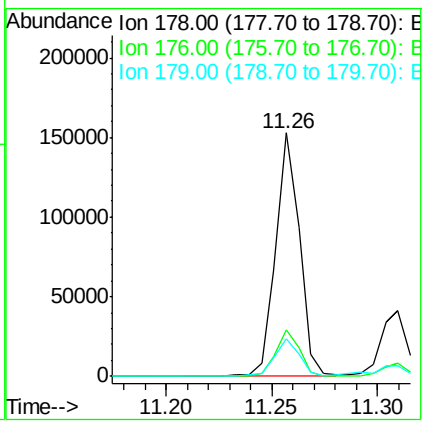


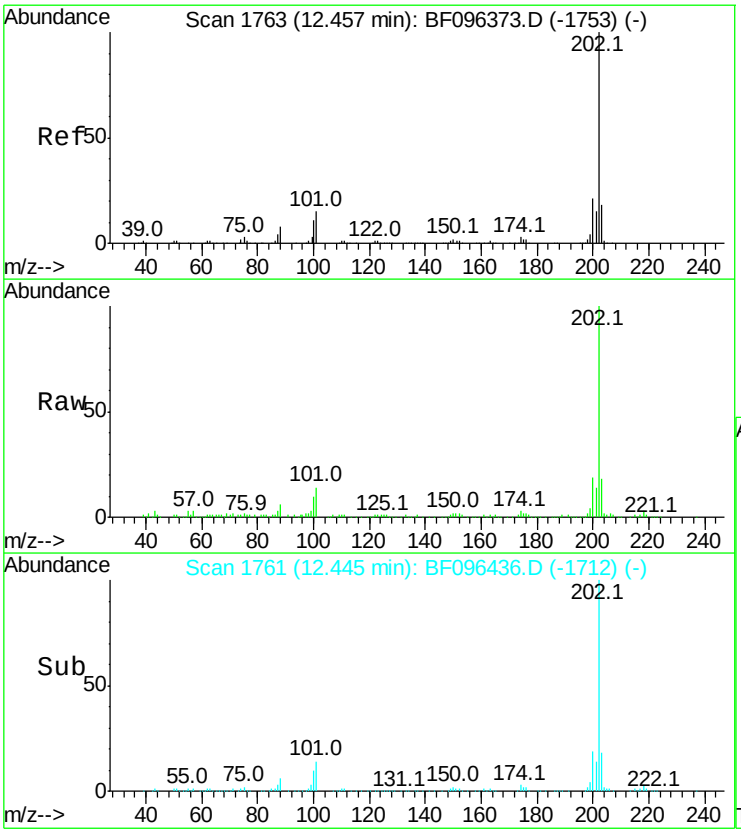

#70
Phenanthrene
Concen: 5.96 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:178 Resp: 120078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.2 | 24.4 |
| 179 | 15.2 | 12.6 | 19.0 |

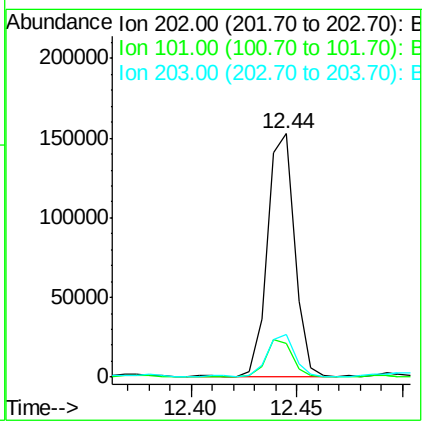


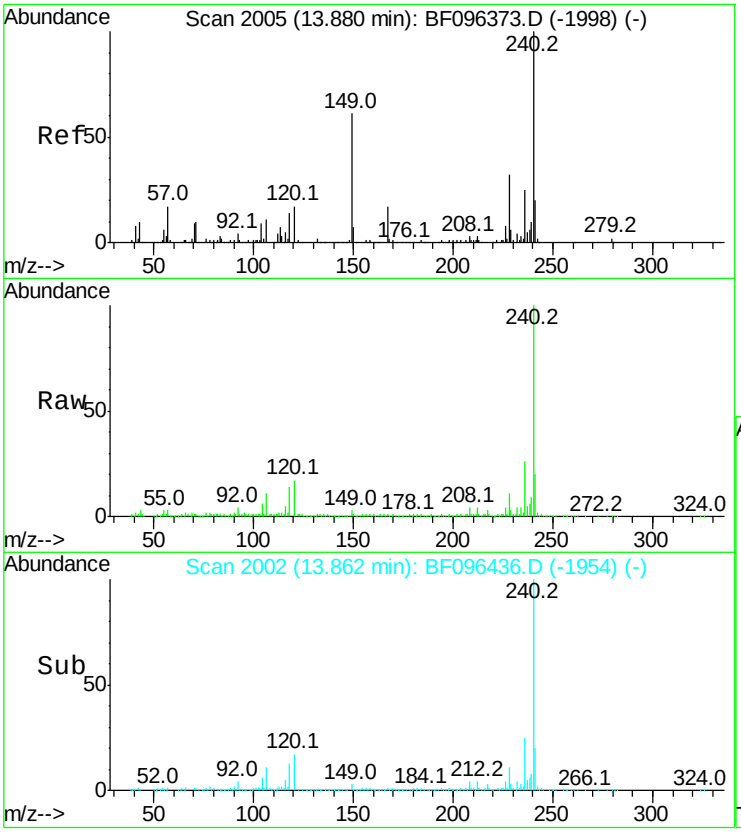




#74
Fluoranthene
Concen: 6.99 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:202 Resp: 138104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 0.0 | 33.2 |
| 203 | 17.6 | 0.0 | 38.1 |



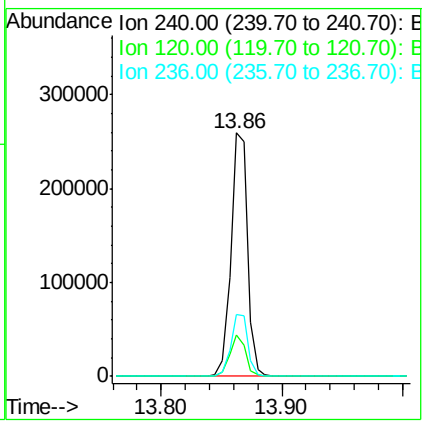


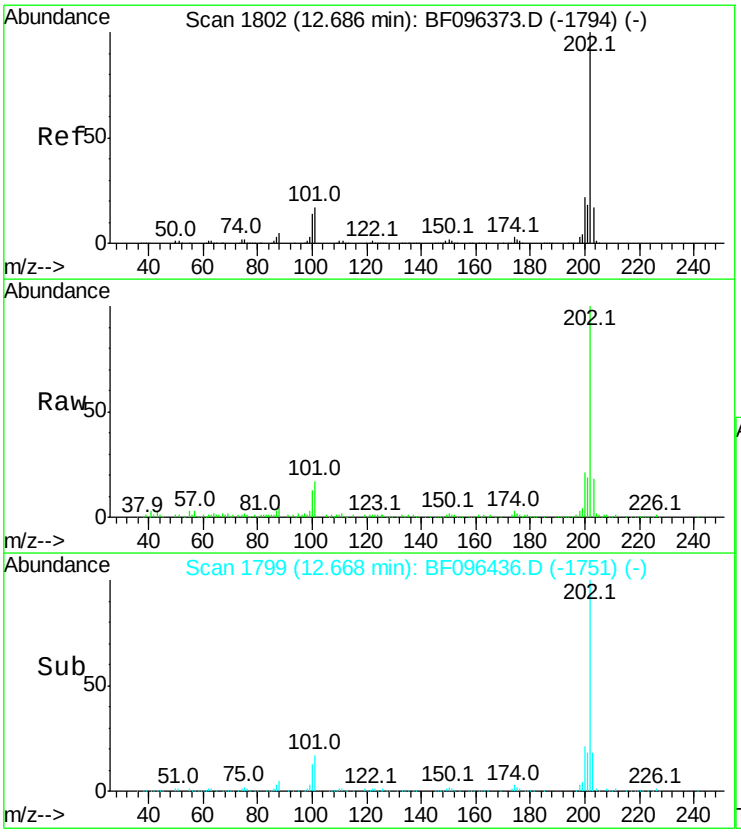

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:240 Resp: 249629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.8 | 5.8 | 8.8# |
| 236 | 25.6 | 20.5 | 30.7 |

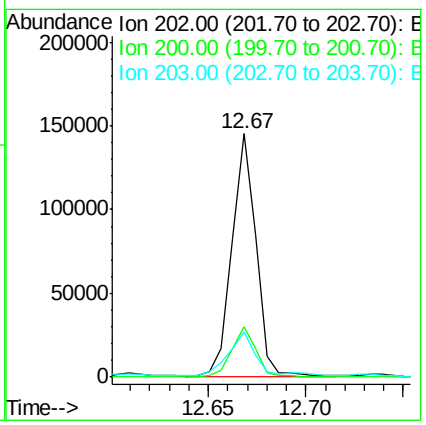


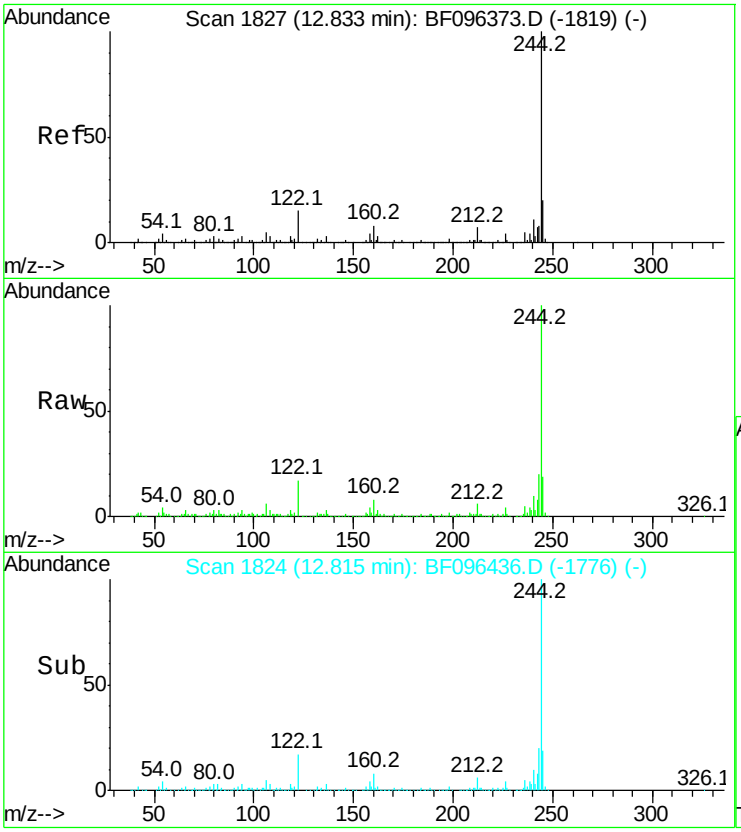




#77
Pyrene
Concen: 6.16 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:202 Resp: 123344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.6 | 26.4 |
| 203 | 18.4 | 14.4 | 21.6 |



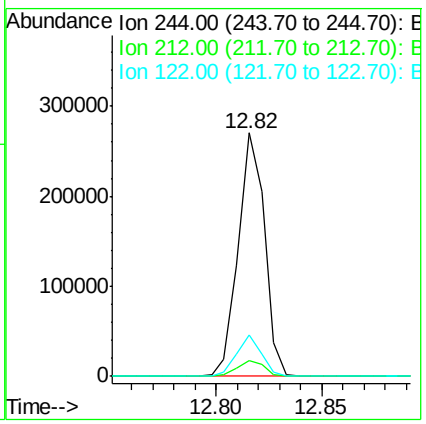


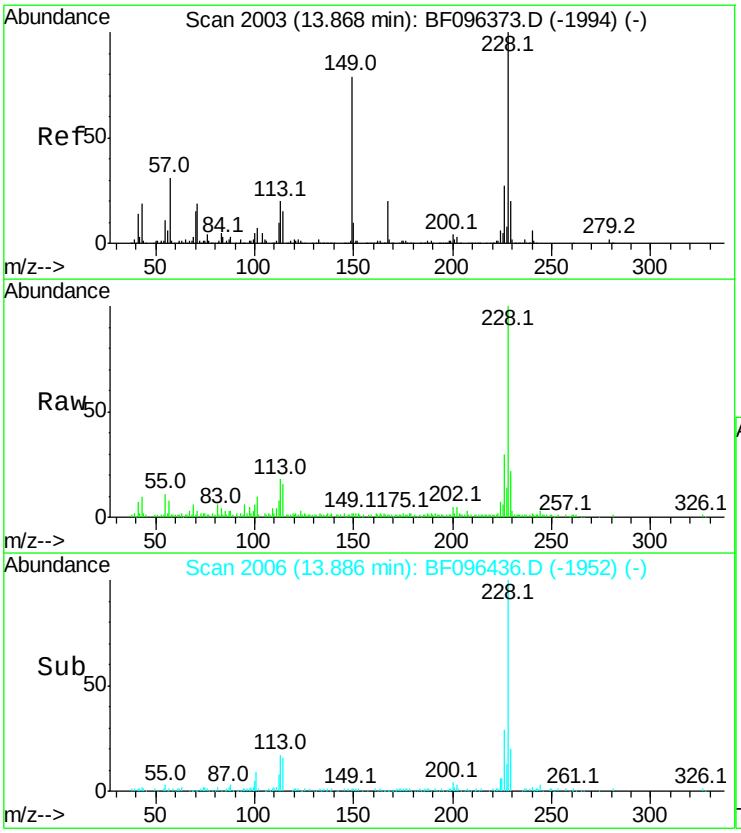

#78
Terphenyl-d14
Concen: 19.93 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:244 Resp: 232789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 6.0 | 9.0 |
| 122 | 16.8 | 10.3 | 15.5# |

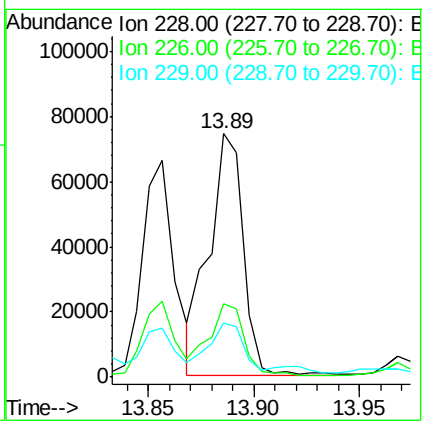


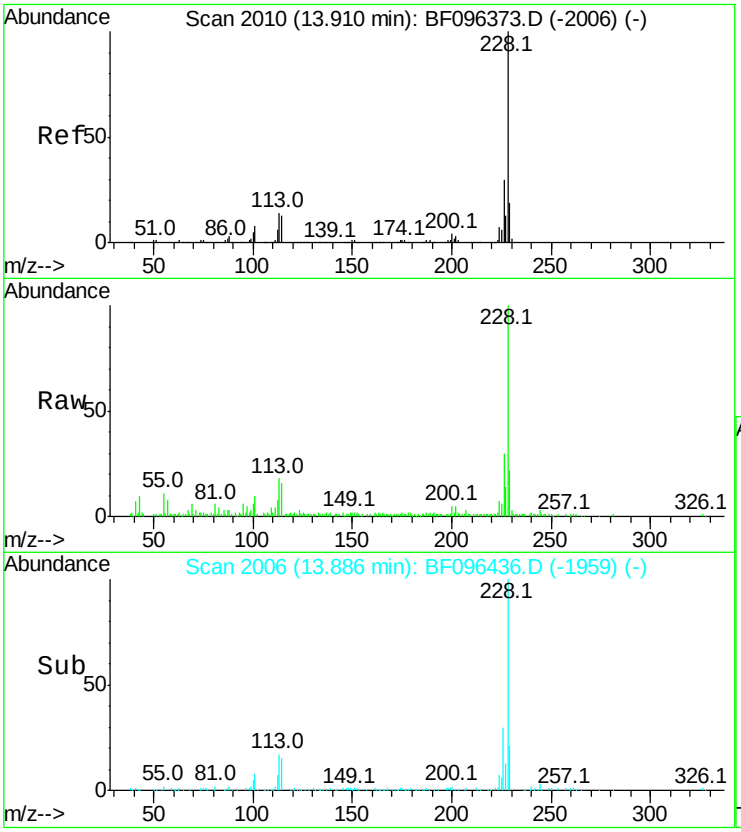




#80
Benzo(a)anthracene
Concen: 5.80 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:228 Resp: 83815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 22.6 | 33.8 |
| 229 | 22.3 | 16.3 | 24.5 |



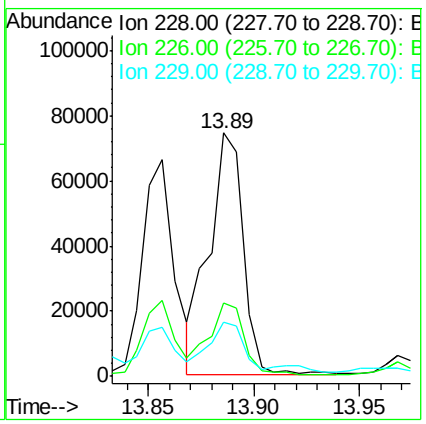


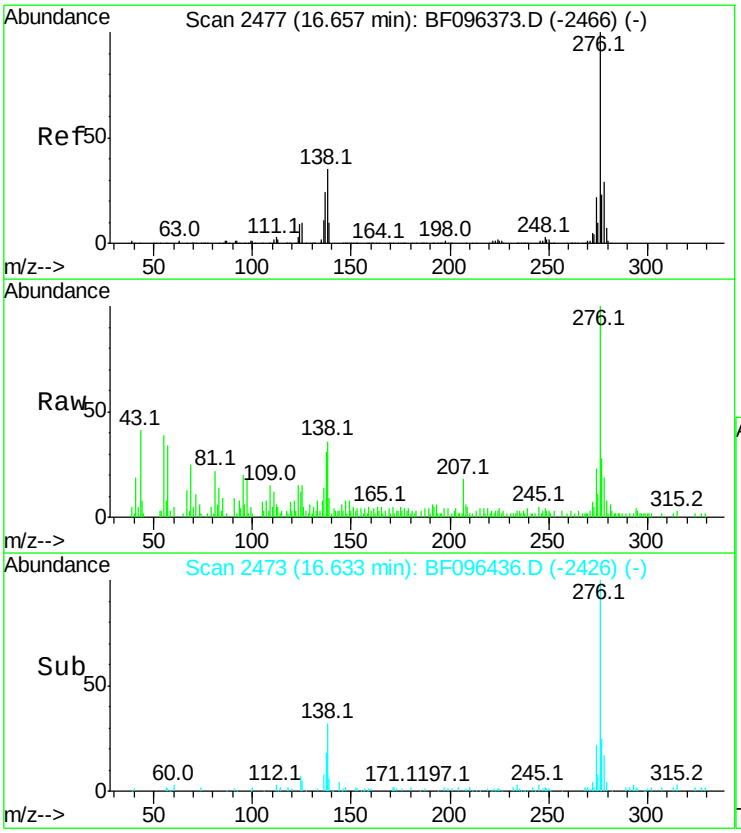

#82
Chrysene
Concen: 5.54 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:228 Resp: 83815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.9 | 37.3 |
| 229 | 22.3 | 15.8 | 23.6 |

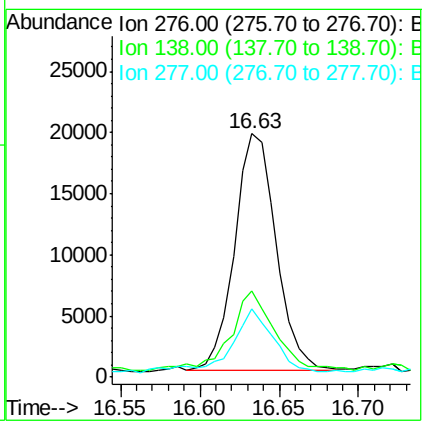


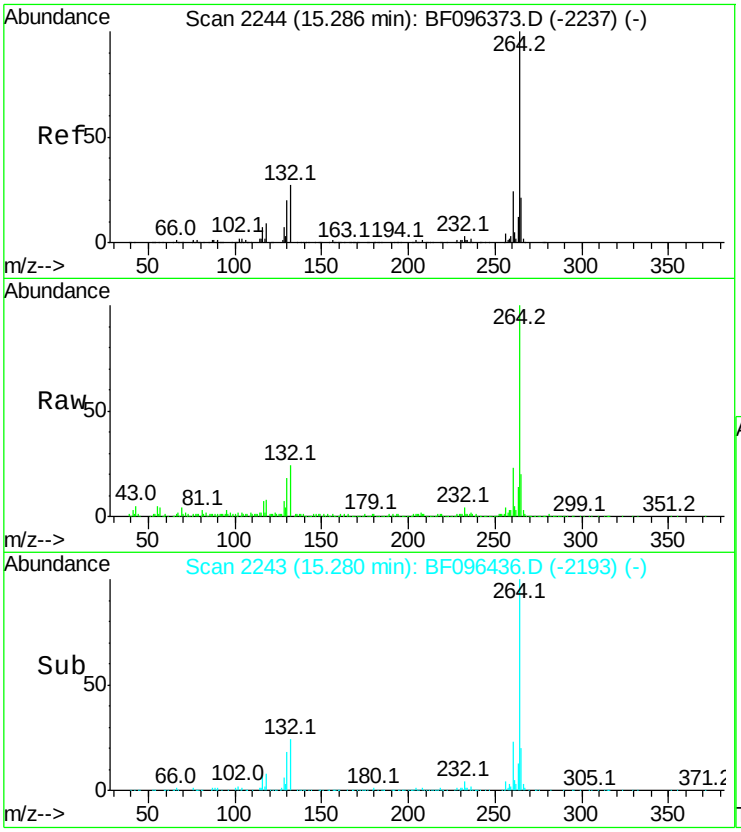




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.94 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:276 Resp: 35132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 36.9 | 27.8 | 41.6 |
| 277 | 28.4 | 20.2 | 30.4 |



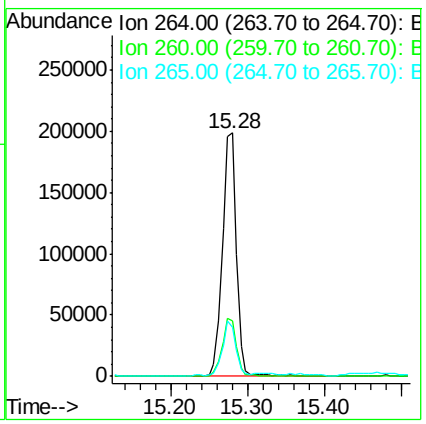


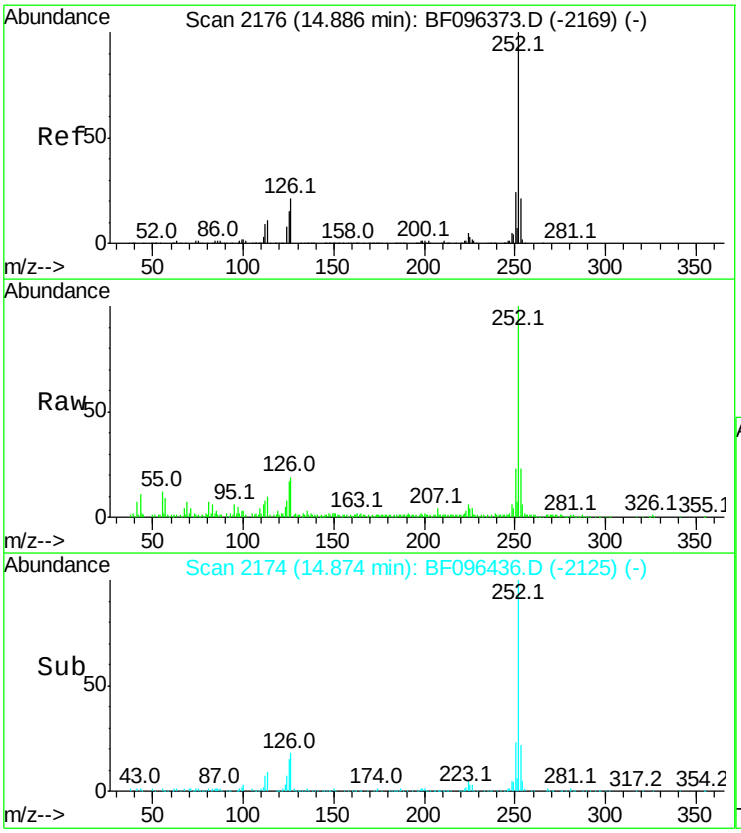

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:264 Resp: 254084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 19.5 | 29.3 |
| 265 | 20.1 | 17.2 | 25.8 |

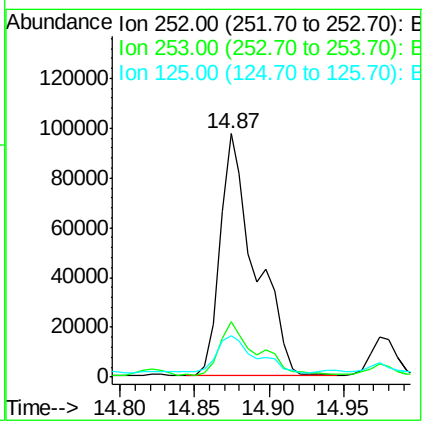


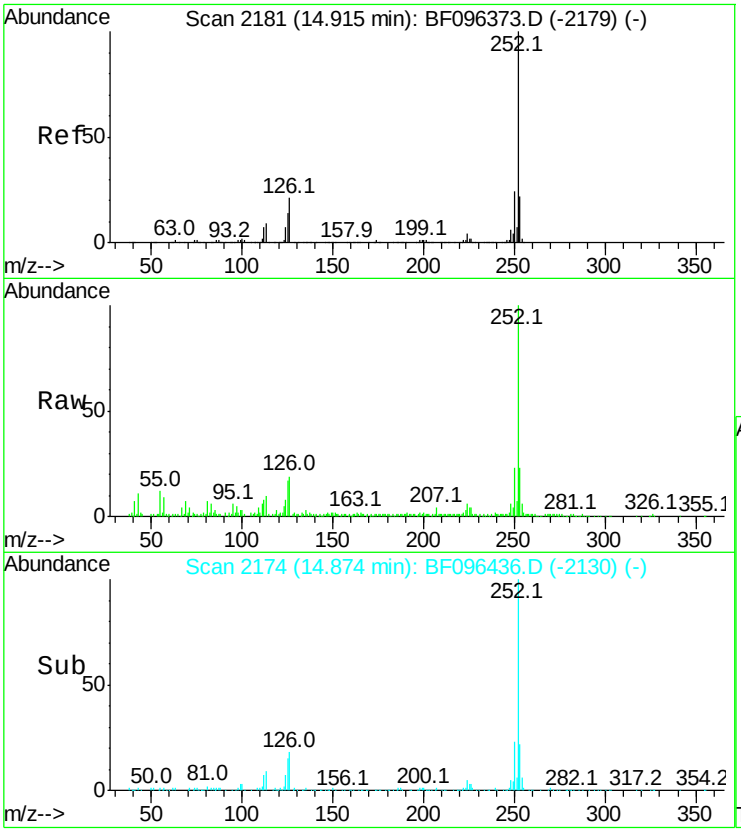




#87
Benzo(b)fluoranthene
Concen: 9.99 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:252 Resp: 159084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.1 | 27.1 |
| 125 | 17.0 | 9.8 | 14.8# |



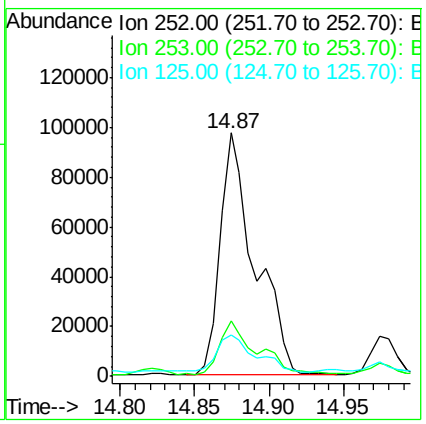


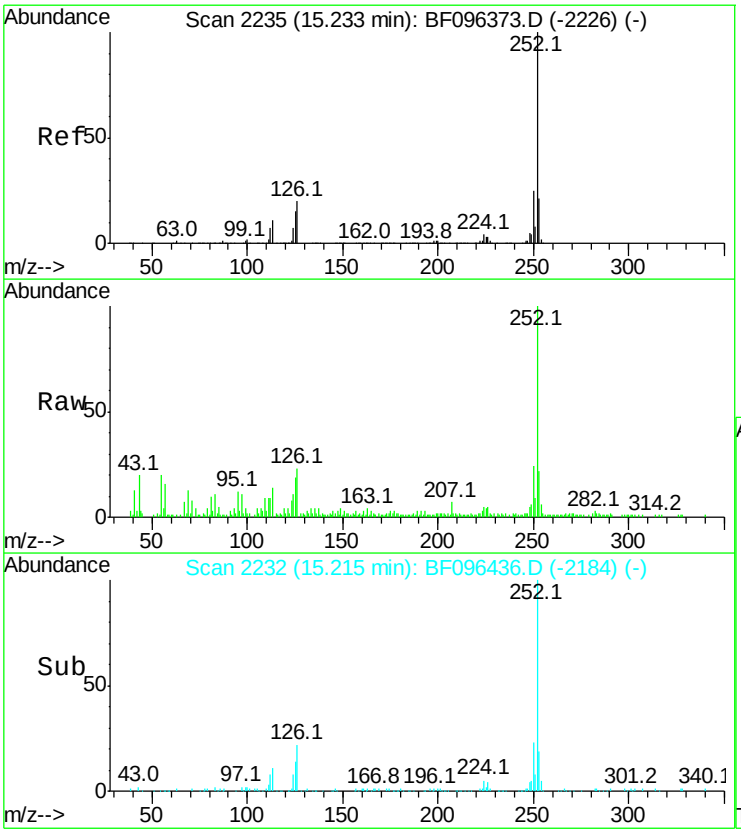

#88
Benzo(k)fluoranthene
Concen: 11.17 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:252 Resp: 159084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.4 | 27.6 |
| 125 | 17.0 | 13.1 | 19.7 |

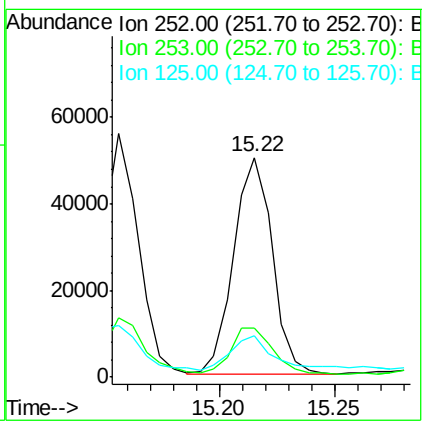


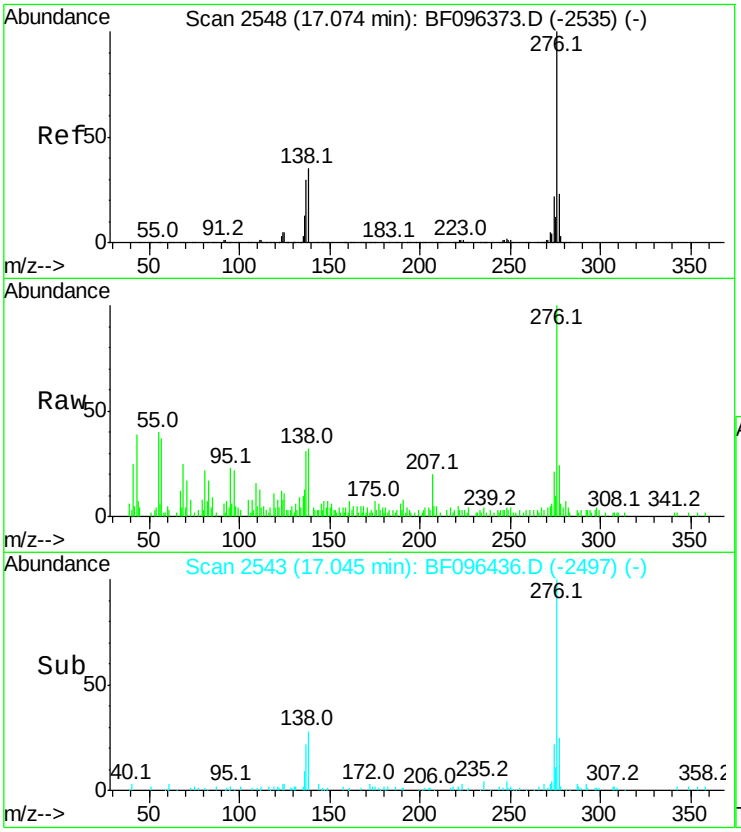




#89
Benzo(a)pyrene
Concen: 4.11 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

Tgt Ion:252 Resp: 58360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.5 | 26.3 |
| 125 | 18.9 | 11.0 | 16.4# |






#91
Benzo(g,h,i)perylene
Concen: 2.88 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF096436.D
Acq: 3 Jul 2017 12:56

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

Tgt Ion:276 Resp: 33378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.6 | 28.0 |
| 138 | 31.6 | 25.4 | 38.0 |