Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
Data File : BF096414.D
Acq On : 2 Jul 2017 14:21
Operator : SJ/MA
Sample : I3950-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 03 04:30:54 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 | 6.73 | 152 | 174197 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 634455 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 281239 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.24 | 188 | 366934 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 272636 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.29 | 264 | 199419 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 940582 | 79.70 | ng | | 0.00 |
| 7) Phenol-d6 | 6.37 | 99 | 1259921 | 86.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 698720 | 66.18 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 189608 | 86.31 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 950172 | 57.77 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.83 | 244 | 542195 | 42.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 92174 | 10.66 | ng | # | 87 |
| 25) Isophorone | 7.29 | 82 | 693422 | 33.87 | ng | # | 67 |
| 49) Dimethylphthalate | 9.48 | 163 | 237831 | 11.33 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.76 | 165 | 35527 | 6.04 | ng | # | 32 |
| 66) 4-Bromophenyl-phenylether | 10.55 | 248 | 12629 | 3.54 | ng | # | 1 |
| 70) Phenanthrene | 11.27 | 178 | 44136 | 2.23 | ng | | 97 |
| 74) Fluoranthene | 12.45 | 202 | 83464 | 4.29 | ng | | 99 |
| 77) Pyrene | 12.68 | 202 | 88442 | 4.04 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 69888 | 4.43 | ng | | 95 |
| 82) Chrysene | 13.90 | 228 | 76393 | 4.62 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 29956 | 2.30 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 127722 | 10.22 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 14.89 | 252 | 127722 | 11.43 | ng | | 100 |
| 89) Benzo(a)pyrene | 15.23 | 252 | 47145 | 4.23 | ng | | 93 |
| 91) Benzo(g,h,i)perylene | 17.06 | 276 | 28009 | 3.08 | ng | | 97 |

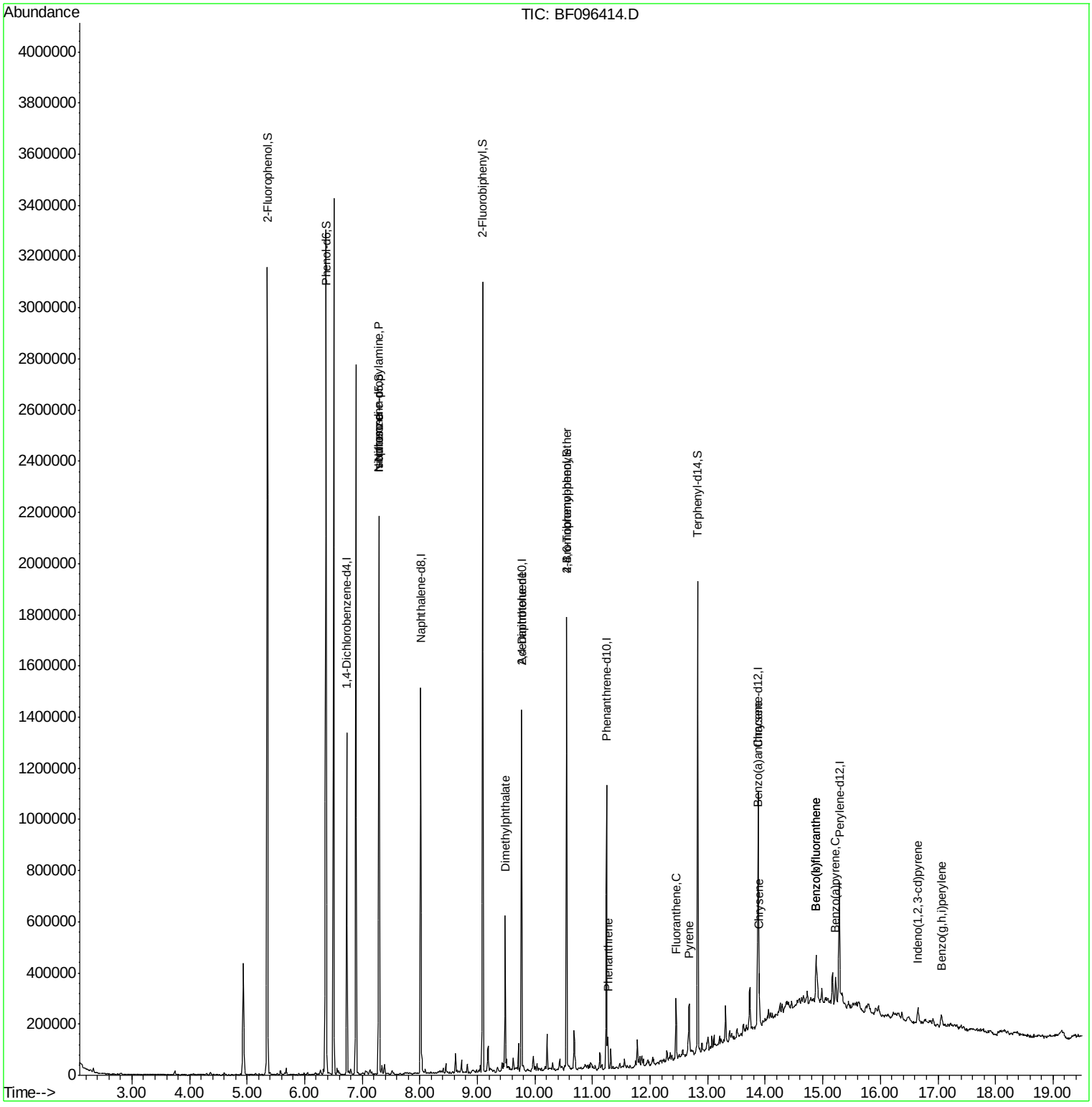
(#) = qualifier out of range (m) = manual integration (+) = signals summed

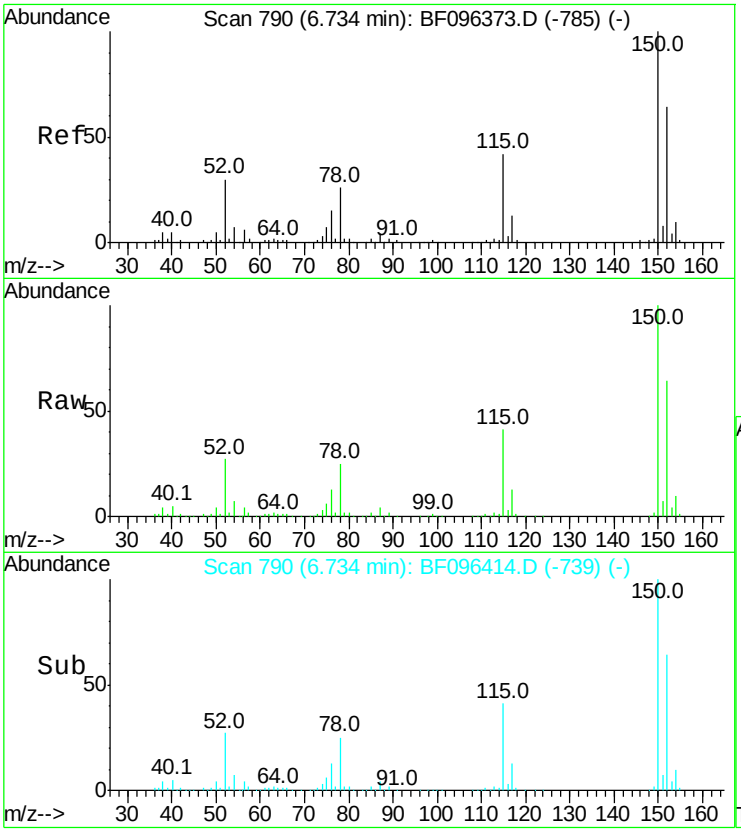
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
Data File : BF096414.D
Acq On : 2 Jul 2017 14:21
Operator : SJ/MA
Sample : I3950-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 03 04:30:54 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



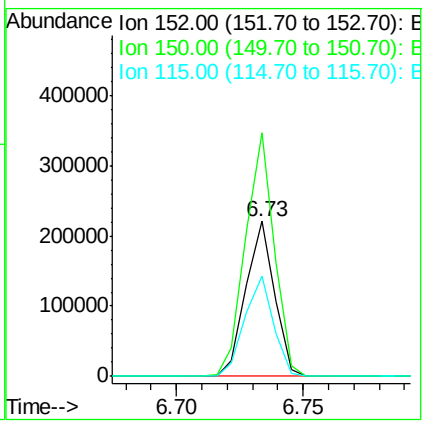


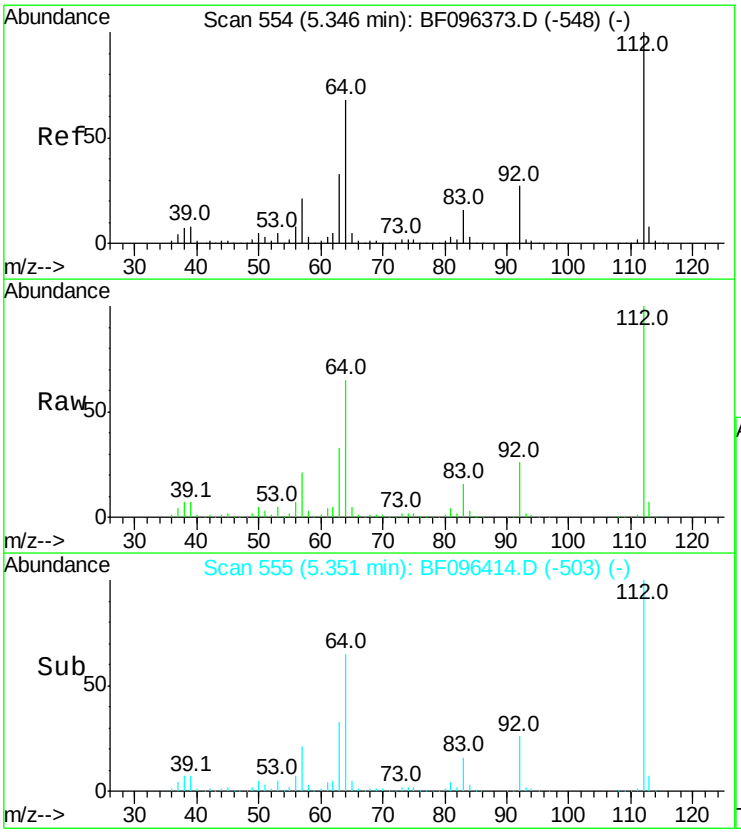

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:152 Resp: 174197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 126.2 | 189.2 |
| 115 | 64.5 | 52.2 | 78.2 |

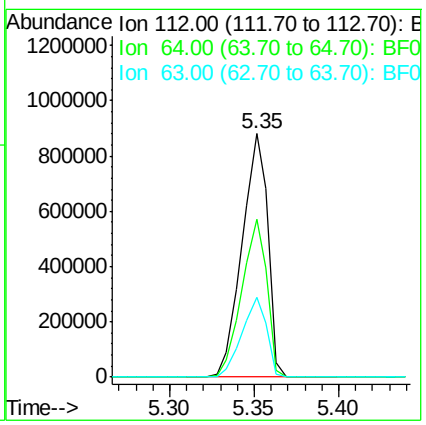


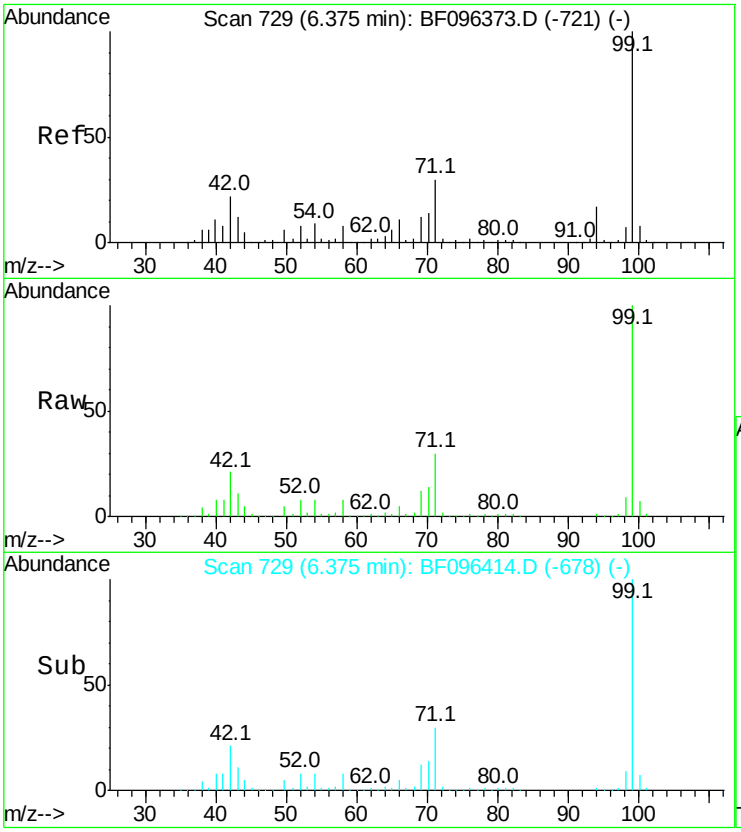




#5
2-Fluorophenol
Concen: 79.70 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:112 Resp: 940582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.8 | 46.0 | 69.0 |
| 63 | 32.5 | 23.4 | 35.0 |



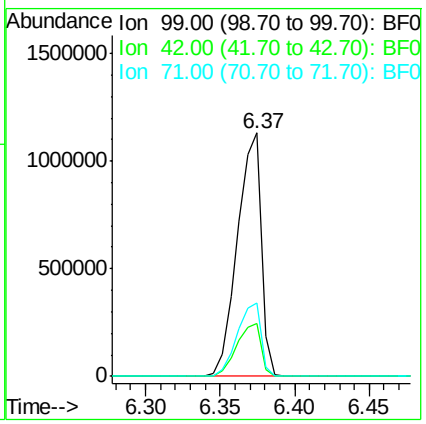


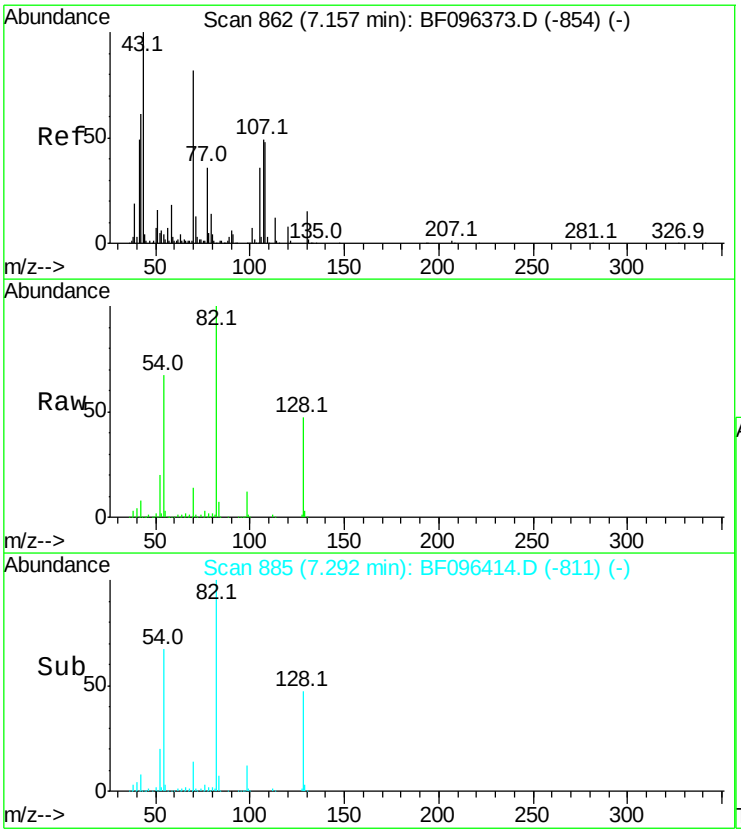

#7
Phenol-d6
Concen: 86.84 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion: 99 Resp: 1259921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.5 | 13.5 | 20.3# |
| 71 | 30.4 | 24.5 | 36.7 |

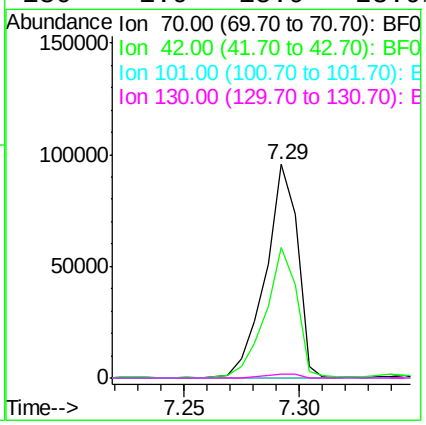


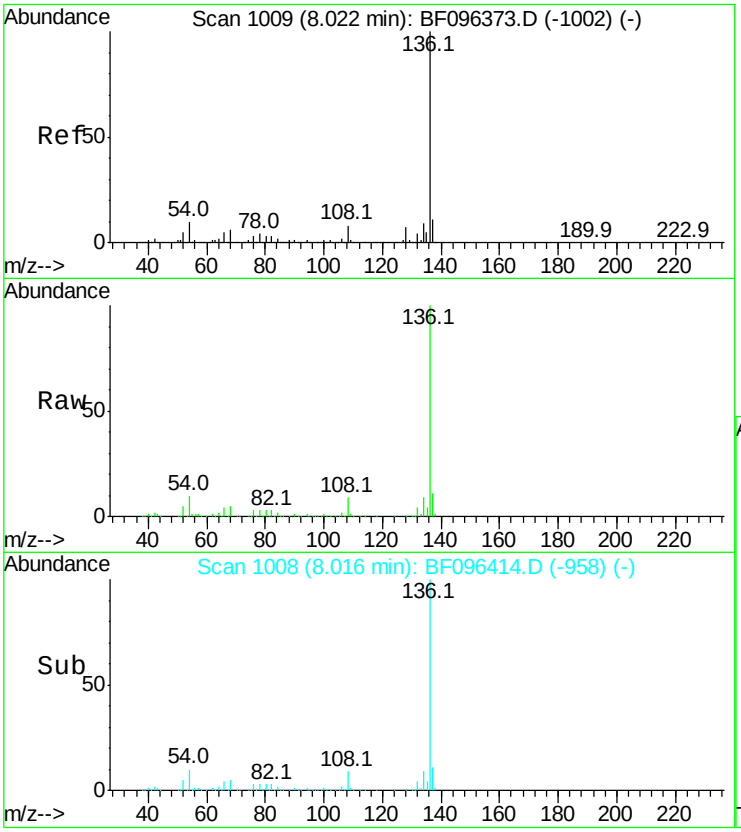




#19
n-Nitroso-di-n-propylamine
Concen: 10.66 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion: 70 Resp: 92174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.0 | 47.2 | 70.8 |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 1.9 | 15.9 | 23.9# |



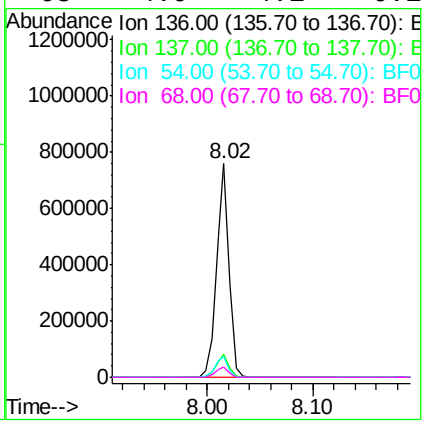


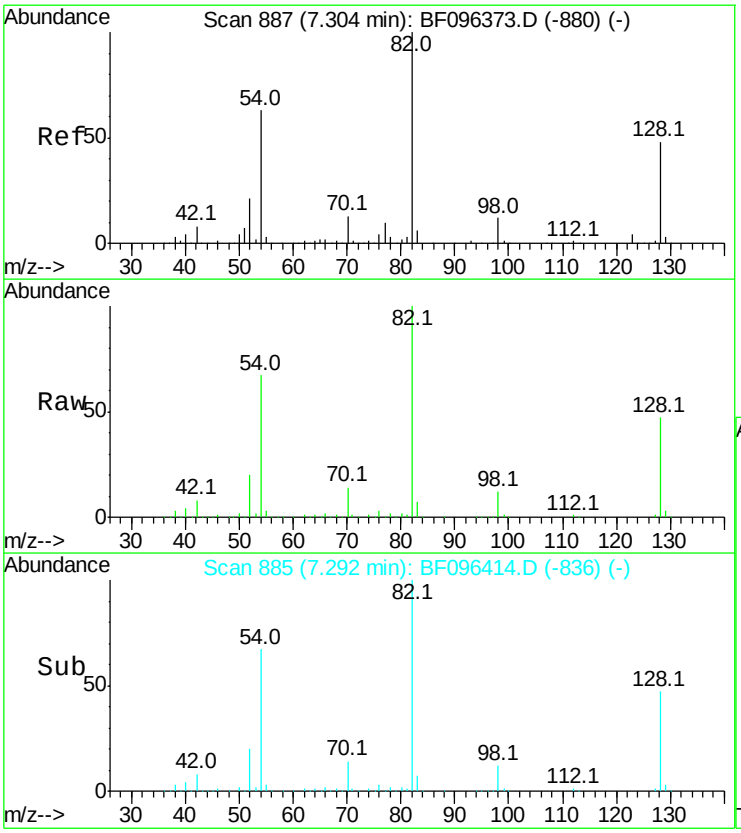

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:136 Resp: 634455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.5 | 12.7 |
| 54 | 9.6 | 4.9 | 7.3# |
| 68 | 4.9 | 4.1 | 6.1 |

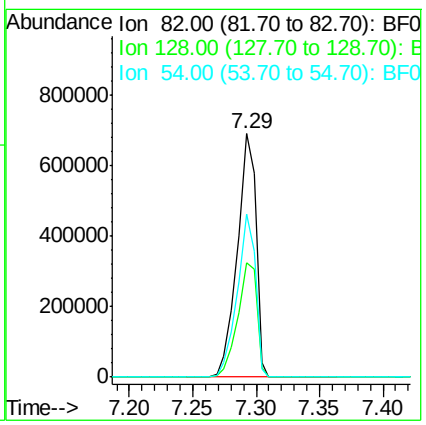


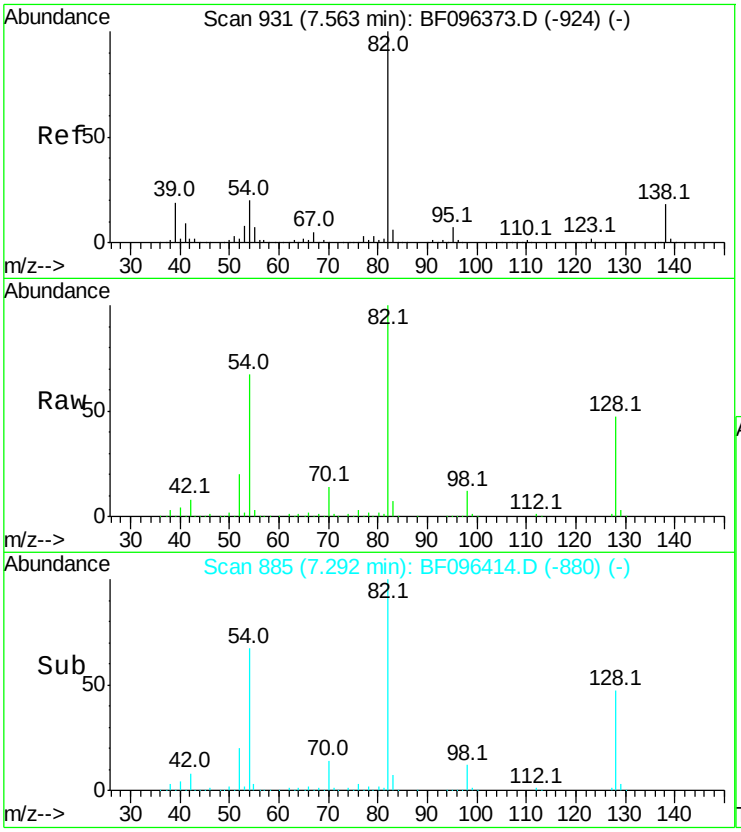




#23
Nitrobenzene-d5
Concen: 66.18 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion: 82 Resp: 698720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 34.0 | 51.0 |
| 54 | 67.2 | 42.2 | 63.2# |



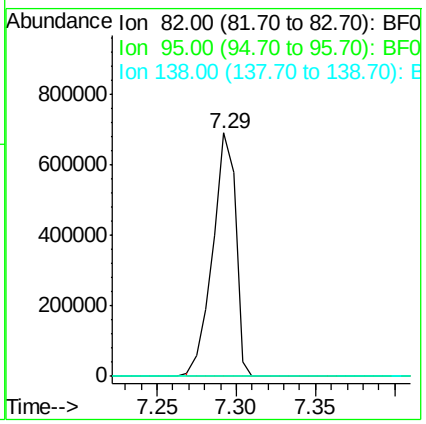


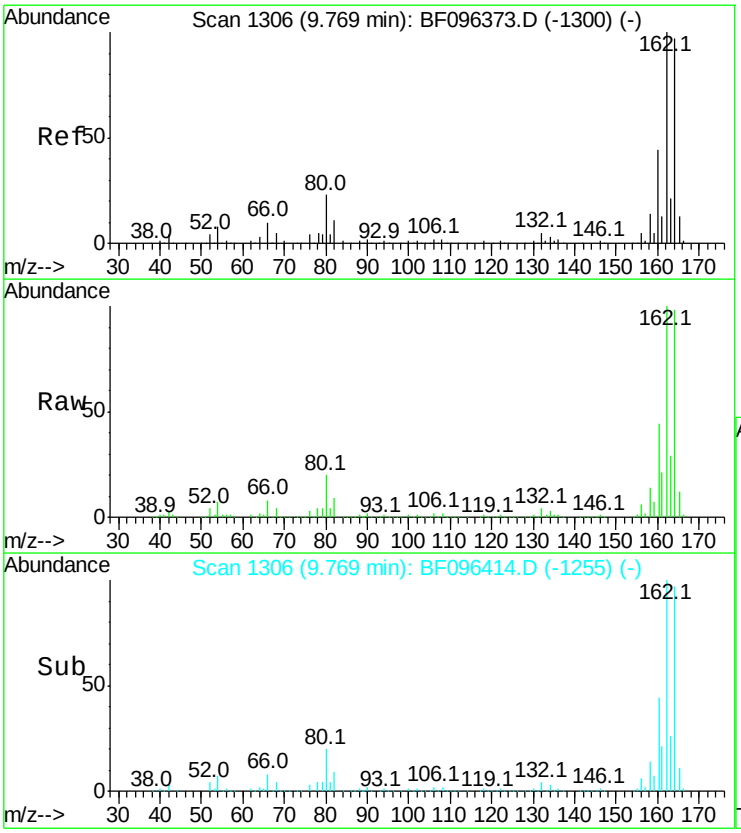

#25
Isophorone
Concen: 33.87 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion: 82 Resp: 693422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.3 | 7.9# |
| 138 | 0.0 | 13.1 | 19.7# |

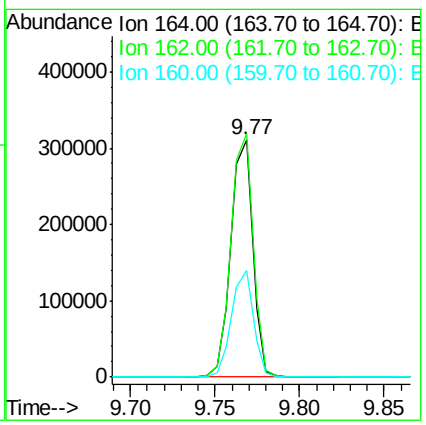


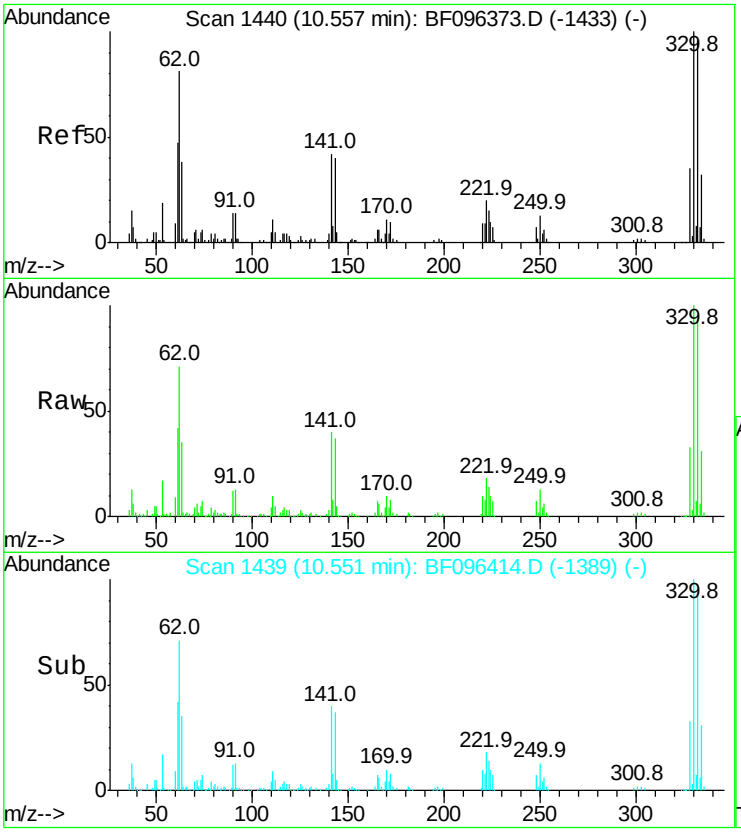




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:164 Resp: 281239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 82.6 | 123.8 |
| 160 | 44.9 | 36.2 | 54.2 |



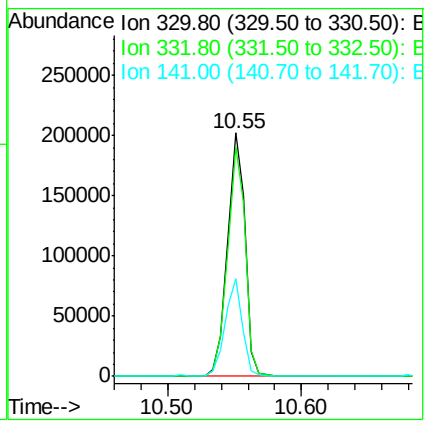


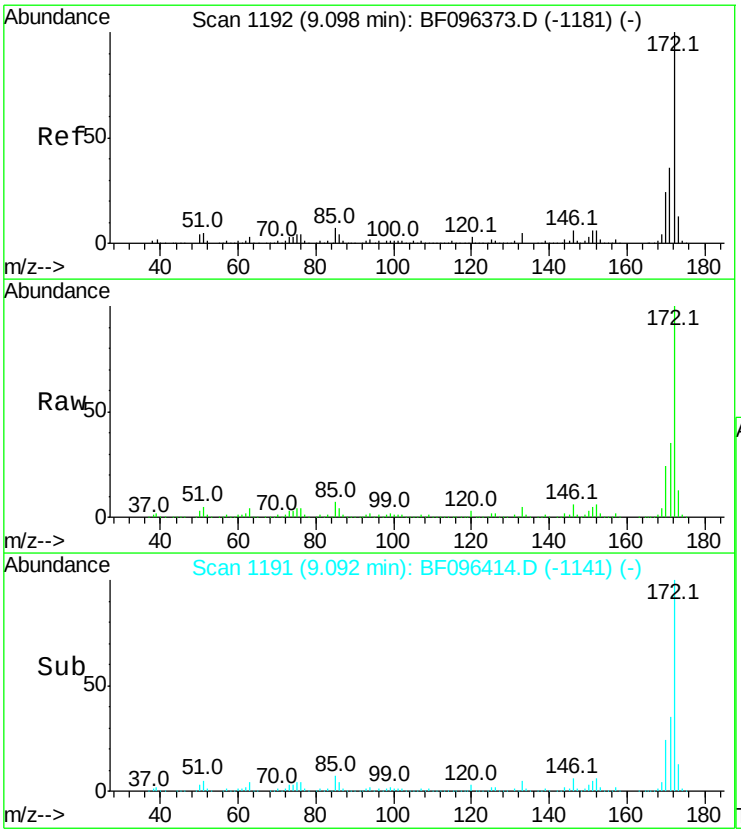

#41
2,4,6-Tribromophenol
Concen: 86.31 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:330 Resp: 189608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 76.6 | 115.0 |
| 141 | 39.7 | 31.4 | 47.2 |

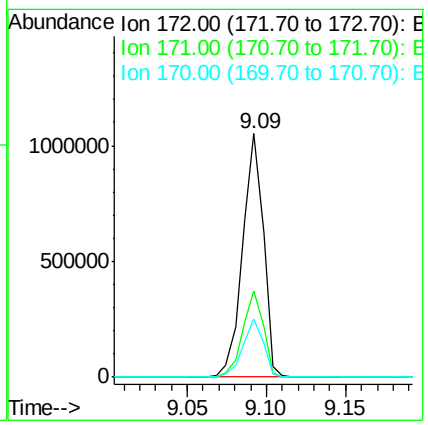


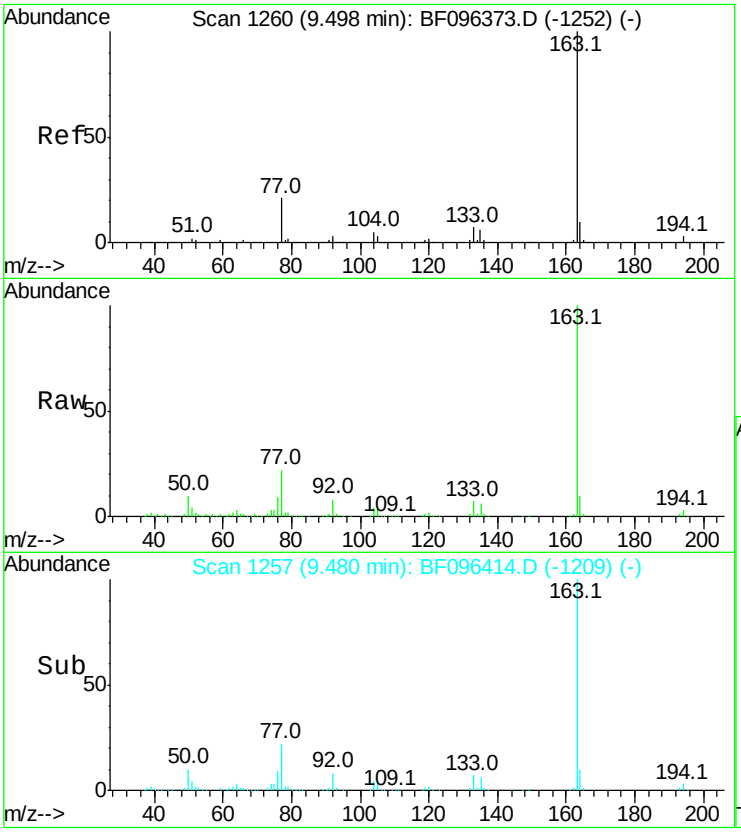




#44
2-Fluorobiphenyl
Concen: 57.77 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:172 Resp: 950172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.6 | 44.4 |
| 170 | 24.0 | 19.8 | 29.8 |



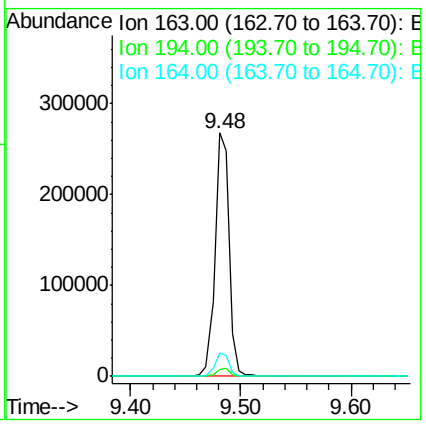


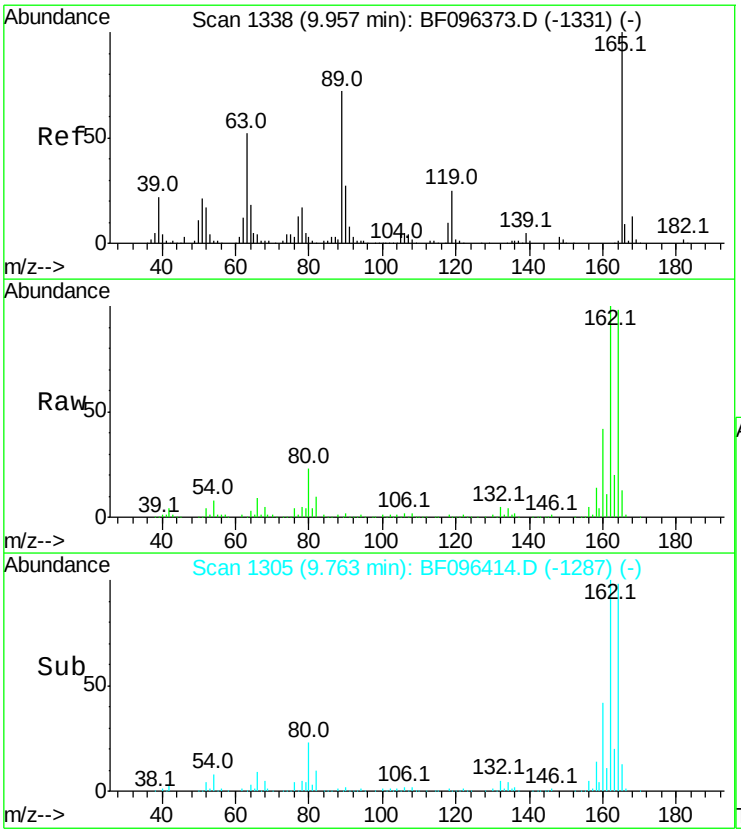

#49
Dimethylphthalate
Concen: 11.33 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:163 Resp: 237831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 2.6 | 4.0 |
| 164 | 9.8 | 8.4 | 12.6 |

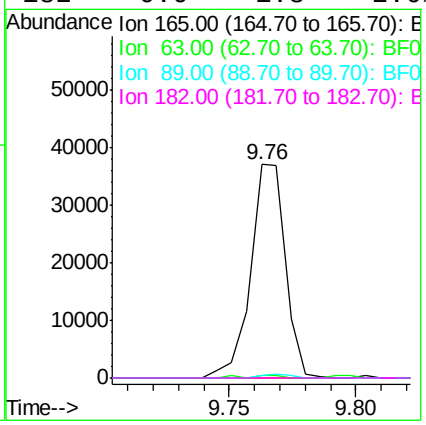


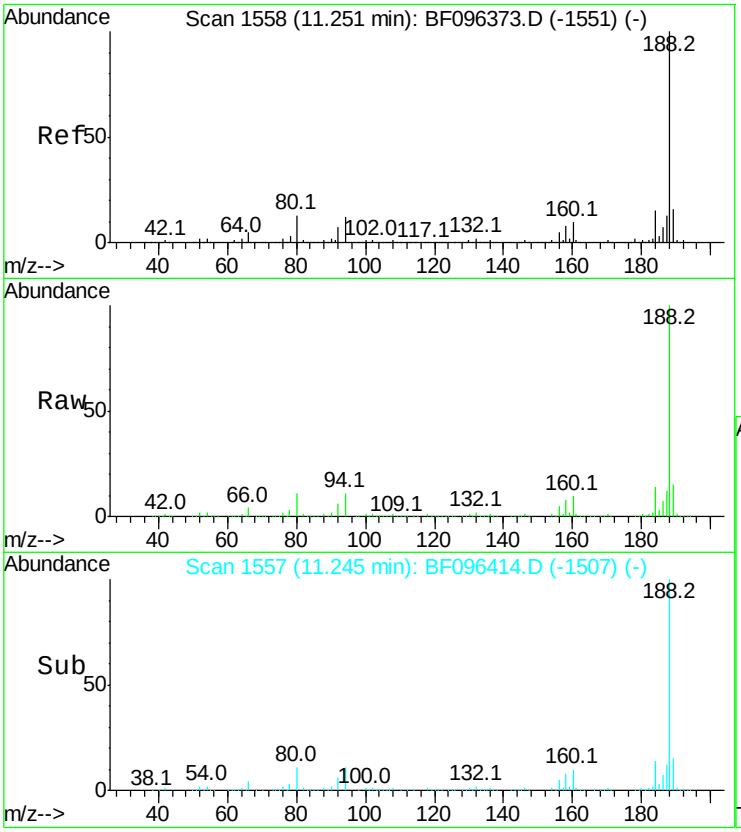




#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:165 Resp: 35527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 25.4 | 38.0# |
| 89 | 0.9 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |



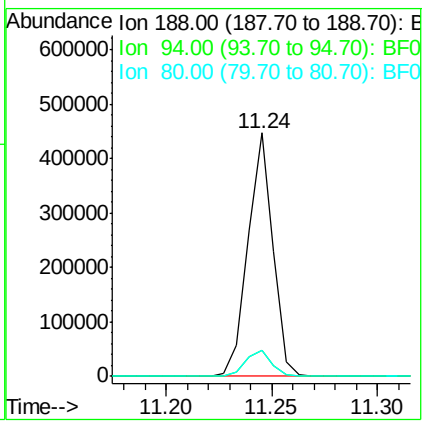


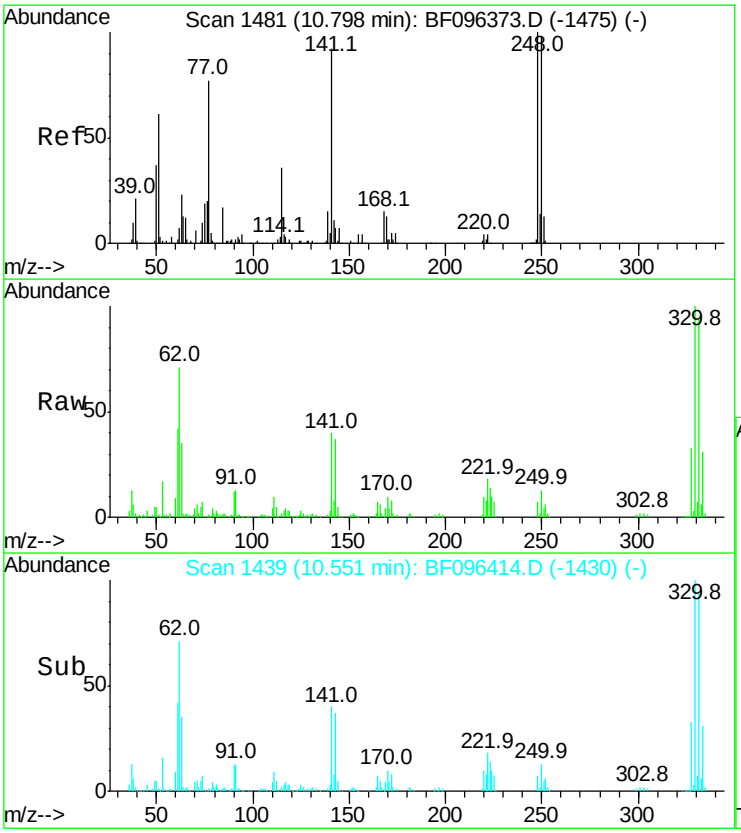

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:188 Resp: 366934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 9.4 | 14.2 |
| 80 | 10.8 | 10.2 | 15.2 |

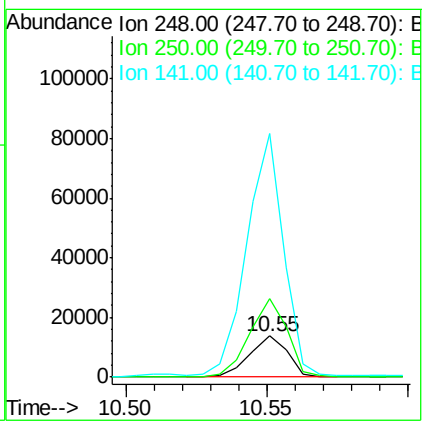


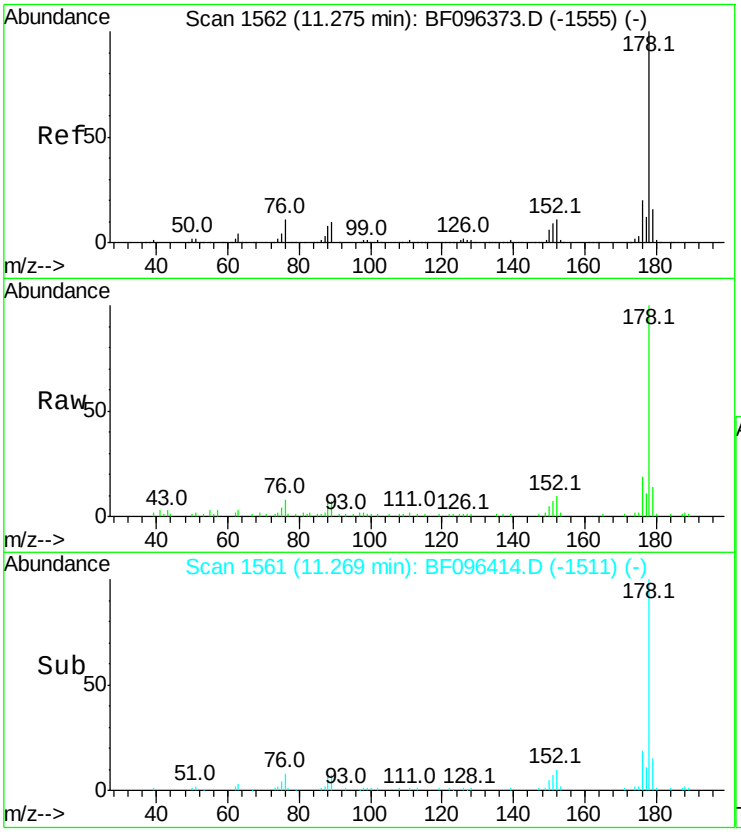




#66
4-Bromophenyl-phenylether
Concen: 3.54 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:248 Resp: 12629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 190.2 | 76.8 | 115.2# |
| 141 | 589.7 | 68.6 | 103.0# |



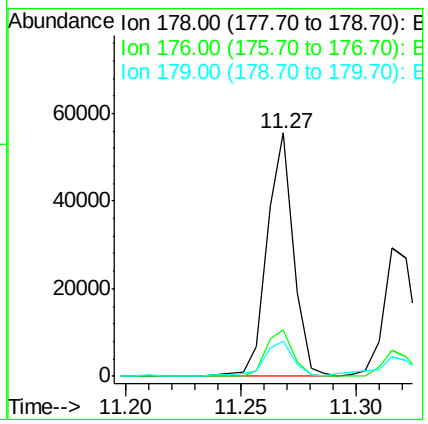


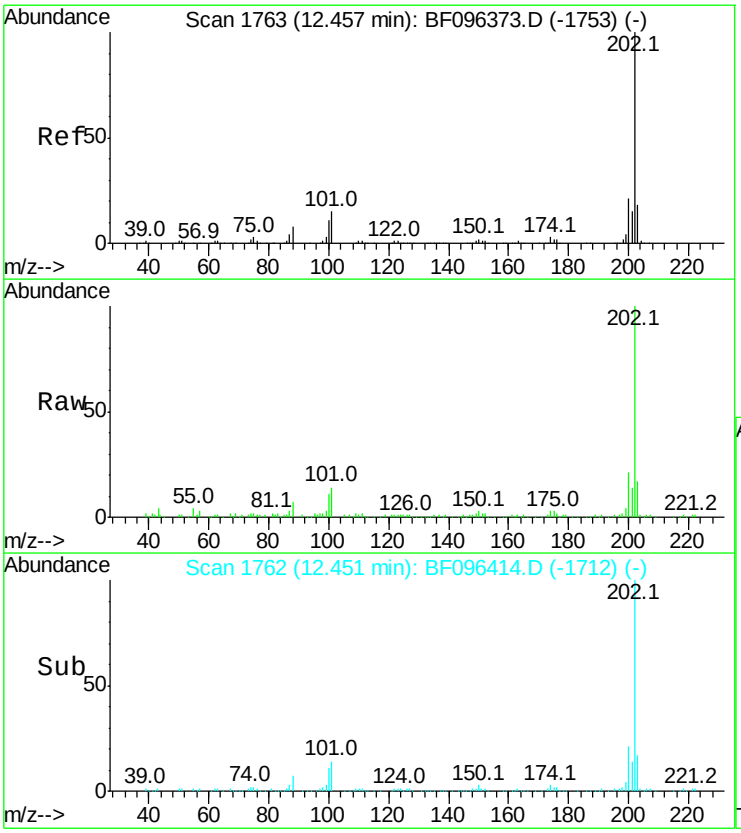

#70
Phenanthrene
Concen: 2.23 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:178 Resp: 44136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 16.2 | 24.4 |
| 179 | 14.5 | 12.6 | 19.0 |

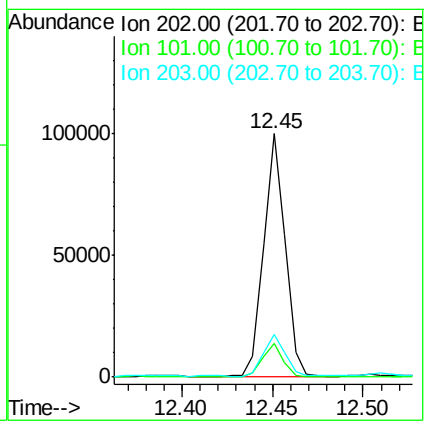


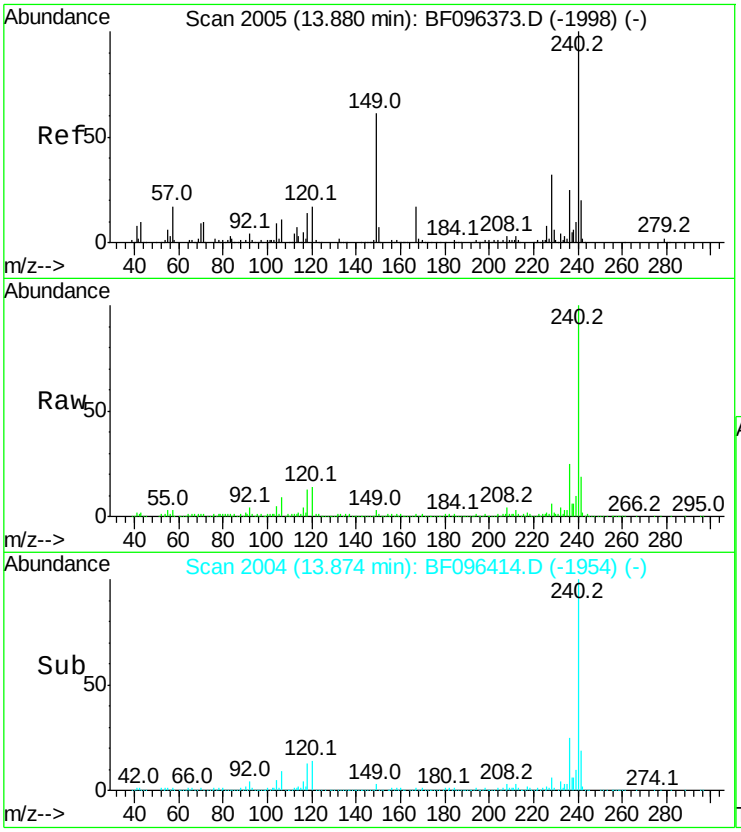




#74
Fluoranthene
Concen: 4.29 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:202 Resp: 83464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 0.0 | 33.2 |
| 203 | 17.5 | 0.0 | 38.1 |



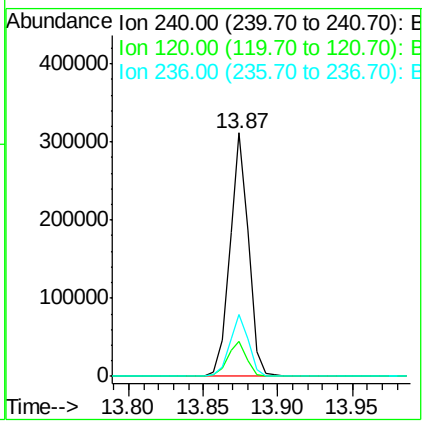


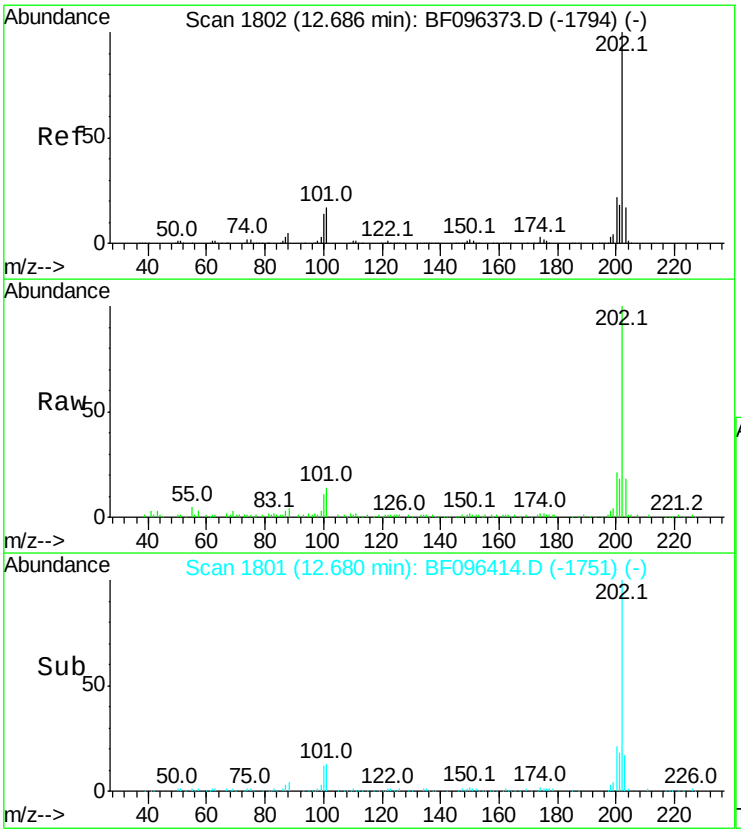

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:240 Resp: 272636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.1 | 5.8 | 8.8# |
| 236 | 25.2 | 20.5 | 30.7 |

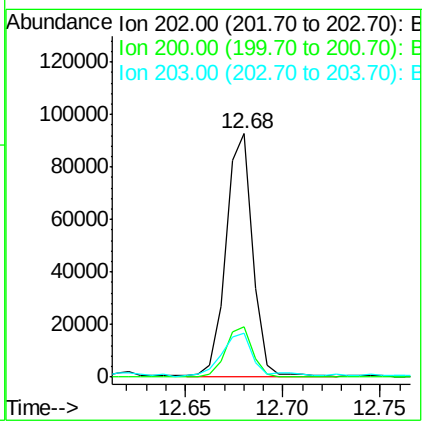


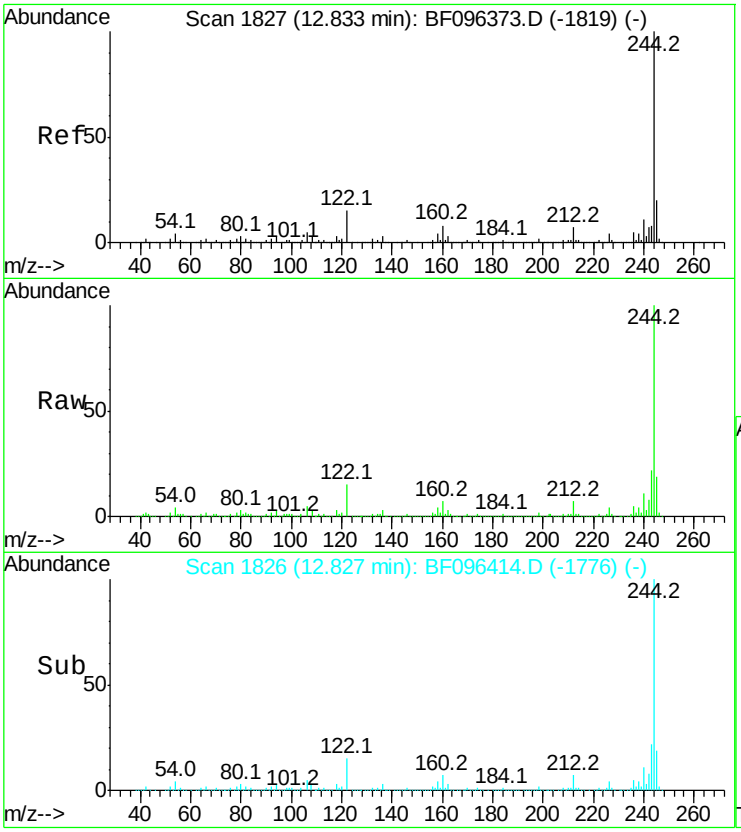




#77
Pyrene
Concen: 4.04 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:202 Resp: 88442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.6 | 26.4 |
| 203 | 17.9 | 14.4 | 21.6 |



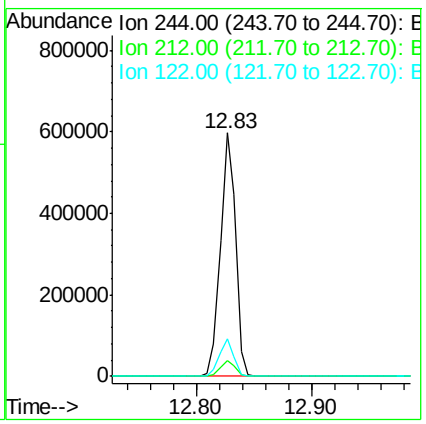


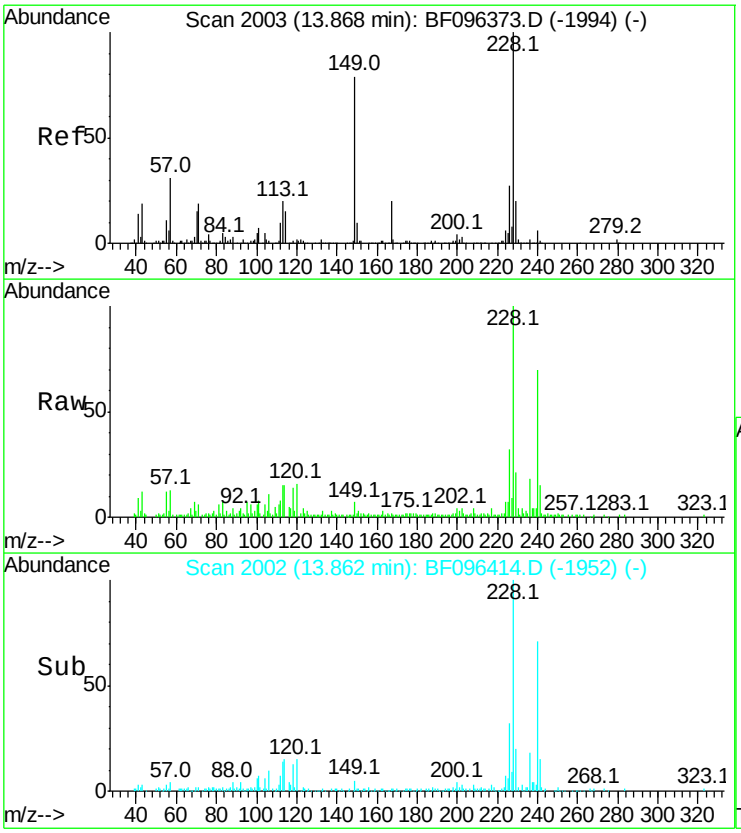

#78
Terphenyl-d14
Concen: 42.50 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:244 Resp: 542195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.0 | 9.0 |
| 122 | 15.4 | 10.3 | 15.5 |

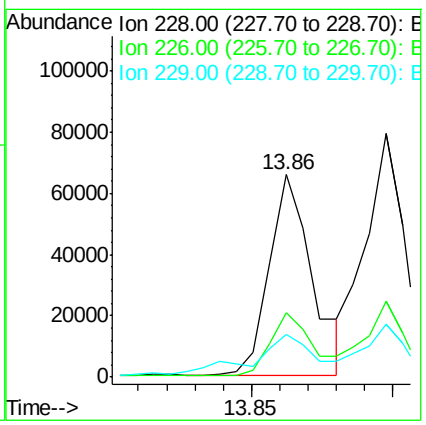


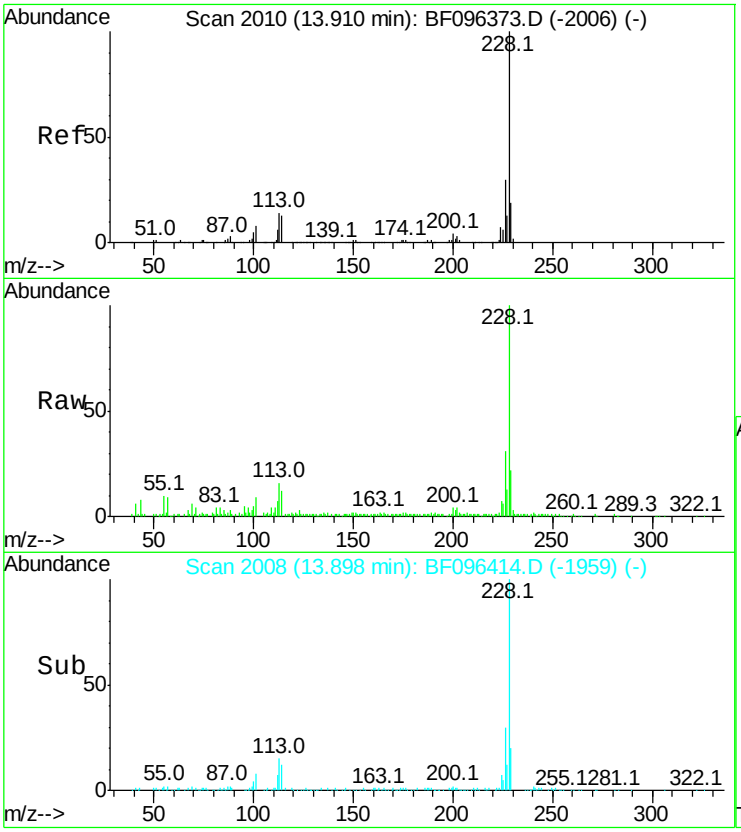




#80
Benzo(a)anthracene
Concen: 4.43 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:228 Resp: 69888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.0 | 22.6 | 33.8 |
| 229 | 21.4 | 16.3 | 24.5 |



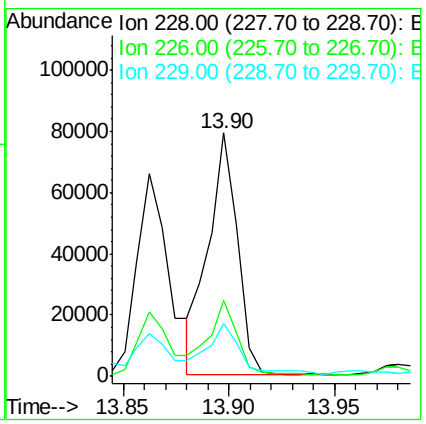


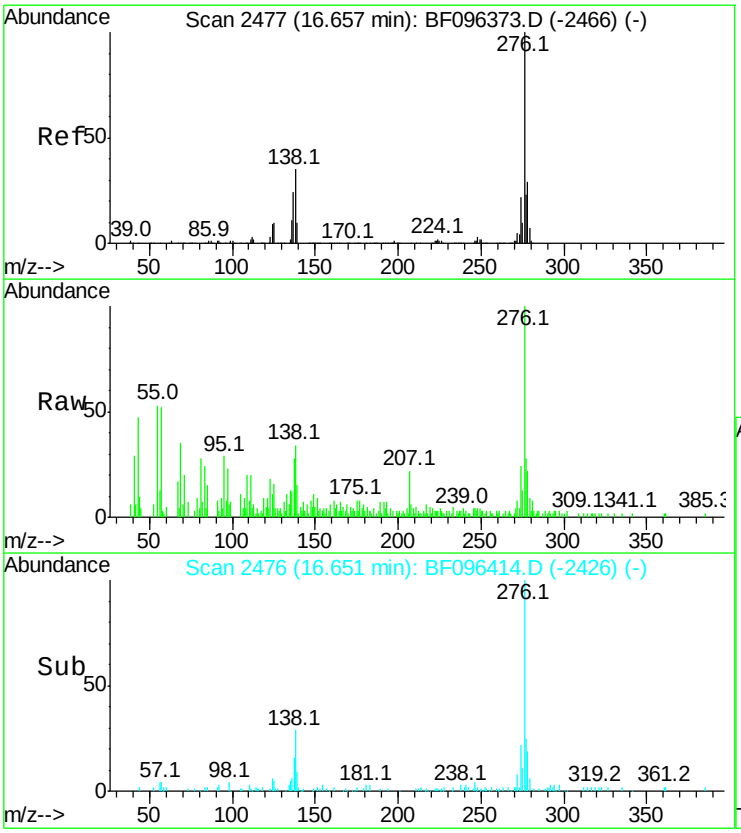

#82
Chrysene
Concen: 4.62 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:228 Resp: 76393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.9 | 37.3 |
| 229 | 21.7 | 15.8 | 23.6 |

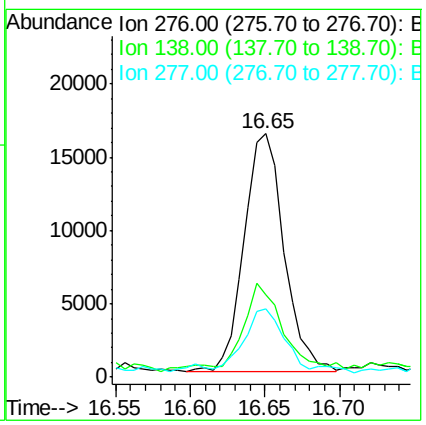


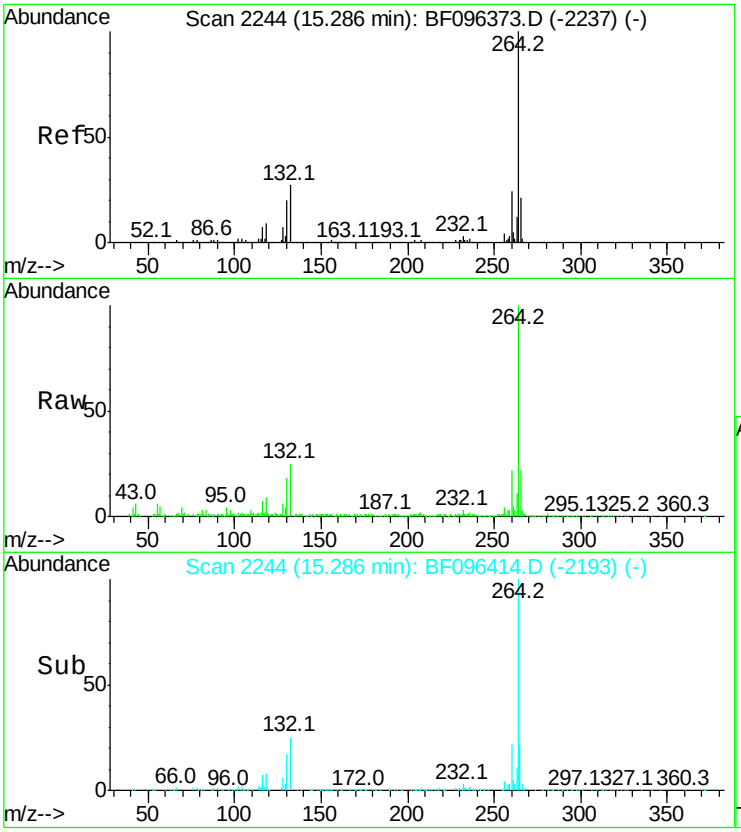




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.30 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:276 Resp: 29956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 38.7 | 27.8 | 41.6 |
| 277 | 28.2 | 20.2 | 30.4 |



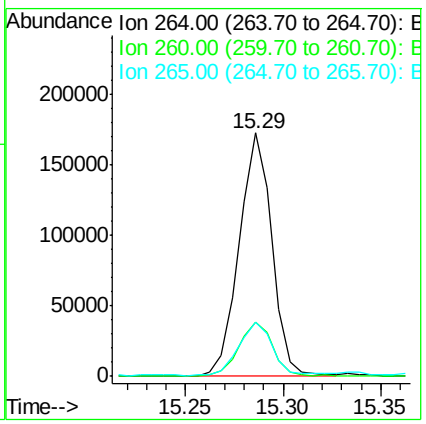


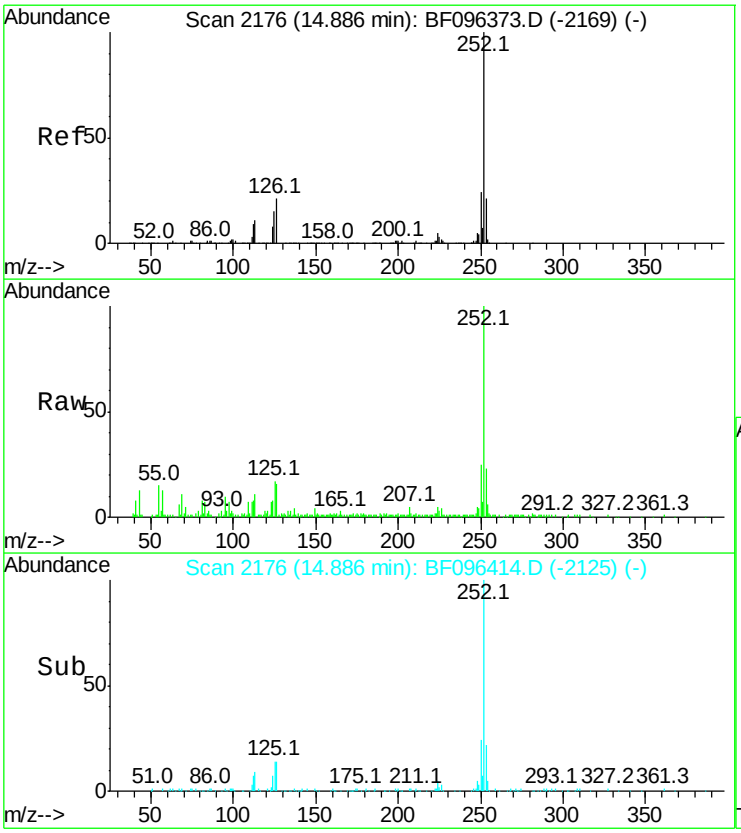

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:264 Resp: 199419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 19.5 | 29.3 |
| 265 | 22.2 | 17.2 | 25.8 |

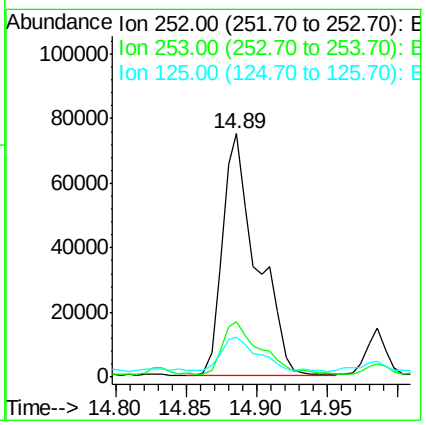


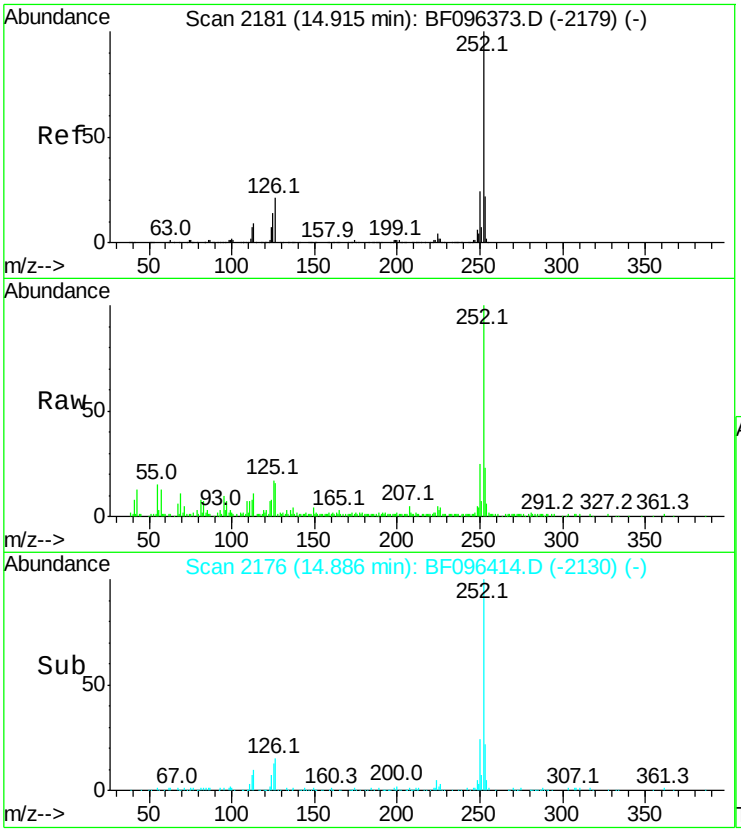




#87
Benzo(b)fluoranthene
Concen: 10.22 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:252 Resp: 127722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.1 | 27.1 |
| 125 | 16.7 | 9.8 | 14.8# |



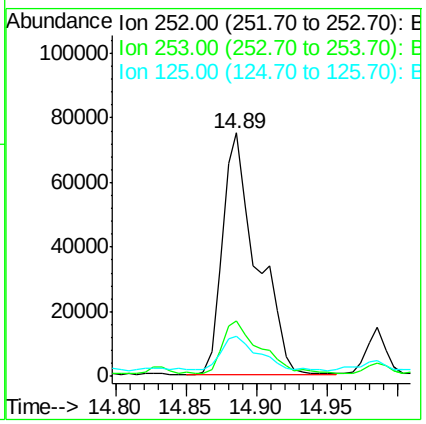


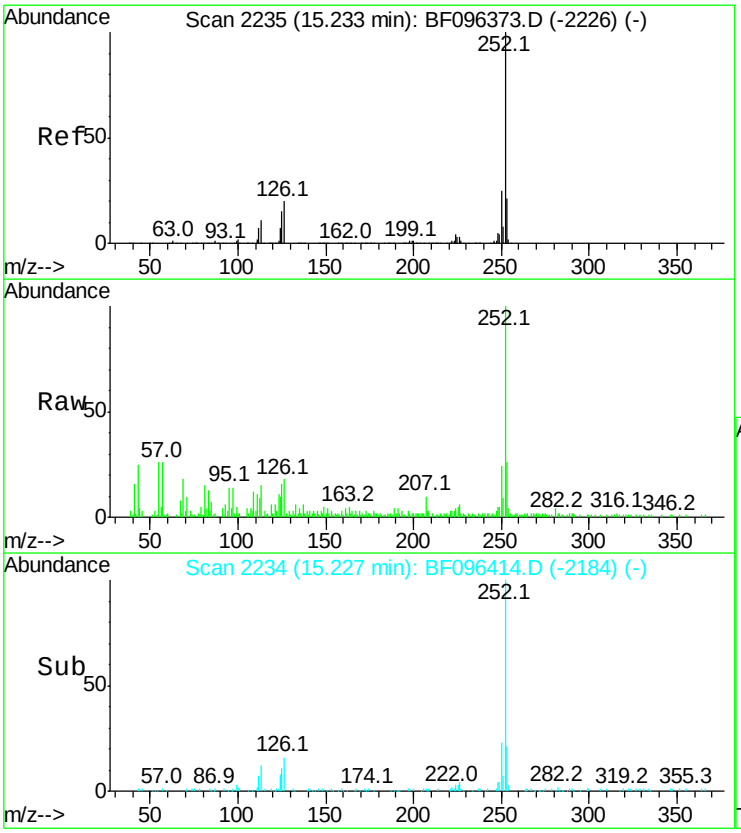

#88
Benzo(k)fluoranthene
Concen: 11.43 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:252 Resp: 127722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.4 | 27.6 |
| 125 | 16.7 | 13.1 | 19.7 |

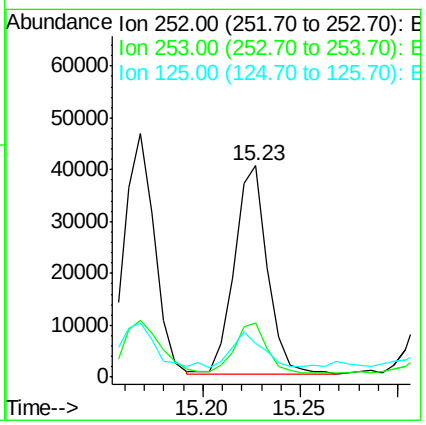


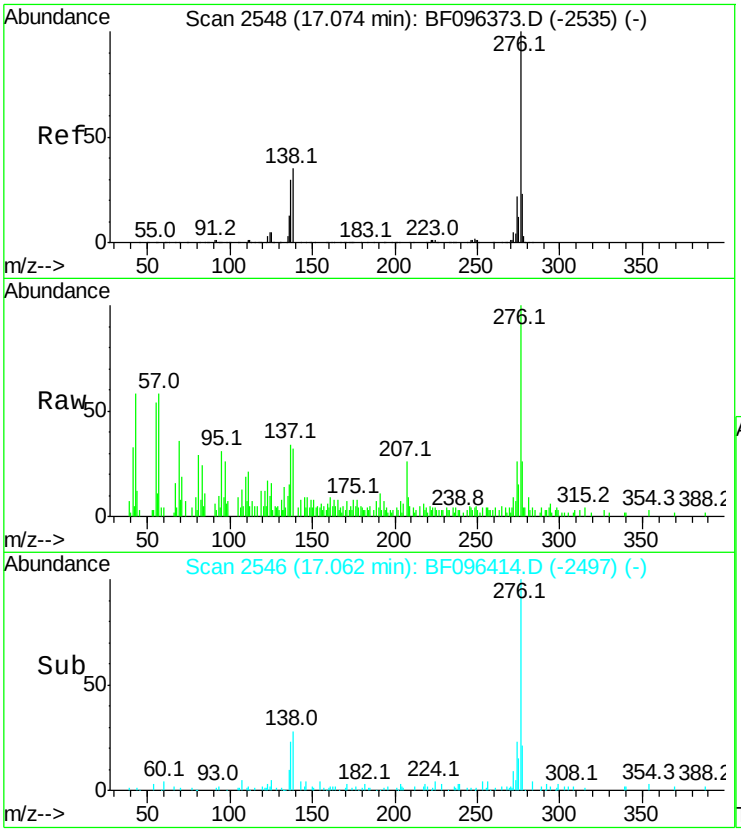




#89
Benzo(a)pyrene
Concen: 4.23 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:252 Resp: 47145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.5 | 26.3 |
| 125 | 16.1 | 11.0 | 16.4 |






#91
Benzo(g,h,i)perylene
Concen: 3.08 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

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

Tgt Ion:276 Resp: 28009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.9 | 18.6 | 28.0 |
| 138 | 32.3 | 25.4 | 38.0 |