Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
Data File : BF097100.D
Acq On : 27 Jul 2017 2:47
Operator : SJ/JU
Sample : I4391-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 27 08:22:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.49 | 152 | 97258 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.78 | 136 | 393300 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.52 | 164 | 153043 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.00 | 188 | 231566 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.63 | 240 | 193933 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.97 | 264 | 133339 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.09 | 112 | 645633 | 100.07 | ng | | 0.00 |
| 7) Phenol-d6 | 6.16 | 99 | 749114 | 101.71 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 418043 | 62.35 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.31 | 330 | 112430 | 92.98 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.86 | 172 | 746505 | 82.78 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.59 | 244 | 477115 | 50.16 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.06 | 70 | 55675 | 11.484 | ng | # | 88 |
| 25) Isophorone | 7.06 | 82 | 409780 | 31.211 | ng | # | 67 |
| 49) Dimethylphthalate | 9.26 | 163 | 58954 | 5.073 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.52 | 165 | 20622 | 7.278 | ng | # | 34 |
| 66) 4-Bromophenyl-phenylether | 10.31 | 248 | 7189 | 3.111 | ng | # | 1 |
| 70) Phenanthrene | 11.02 | 178 | 62715 | 5.055 | ng | | 96 |
| 74) Fluoranthene | 12.20 | 202 | 110958 | 9.129 | ng | | 93 |
| 77) Pyrene | 12.43 | 202 | 99210 | 6.249 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.62 | 228 | 37938 | 3.023 | ng | | 98 |
| 82) Chrysene | 13.65 | 228 | 41432 | 3.381 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.62 | 252 | 58317 | 7.276 | ng | # | 91 |
| 88) Benzo(k)fluoranthene | 14.62 | 252 | 58317 | 7.635 | ng | | 96 |
| 89) Benzo(a)pyrene | 14.93 | 252 | 27171 | 3.704 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 16.57 | 276 | 20574 | 3.261 | ng | | 92 |

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

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Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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QLast Update : Tue Jul 25 14:11:51 2017
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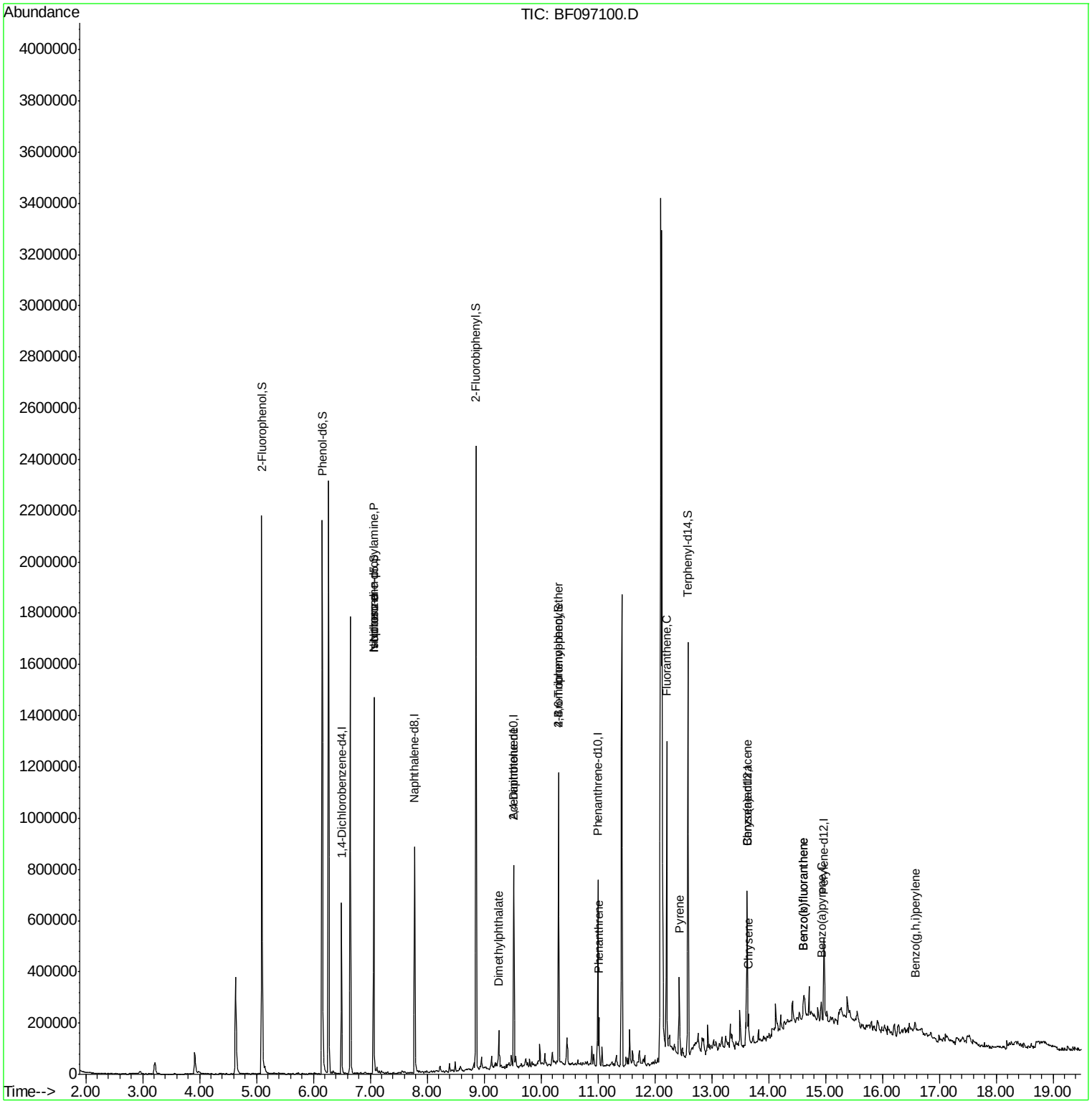
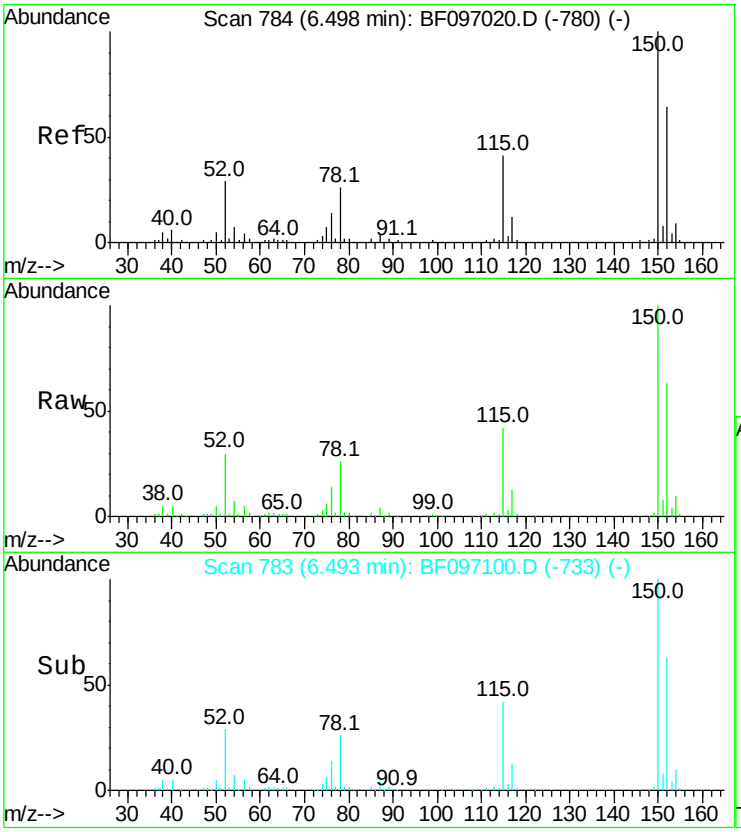


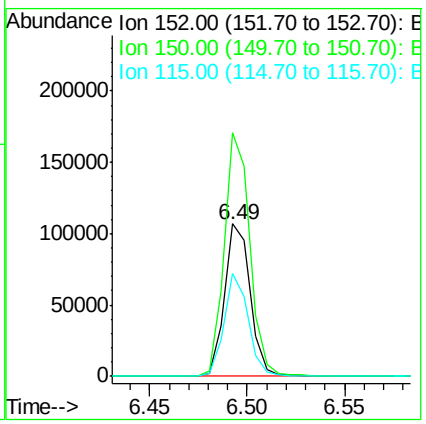


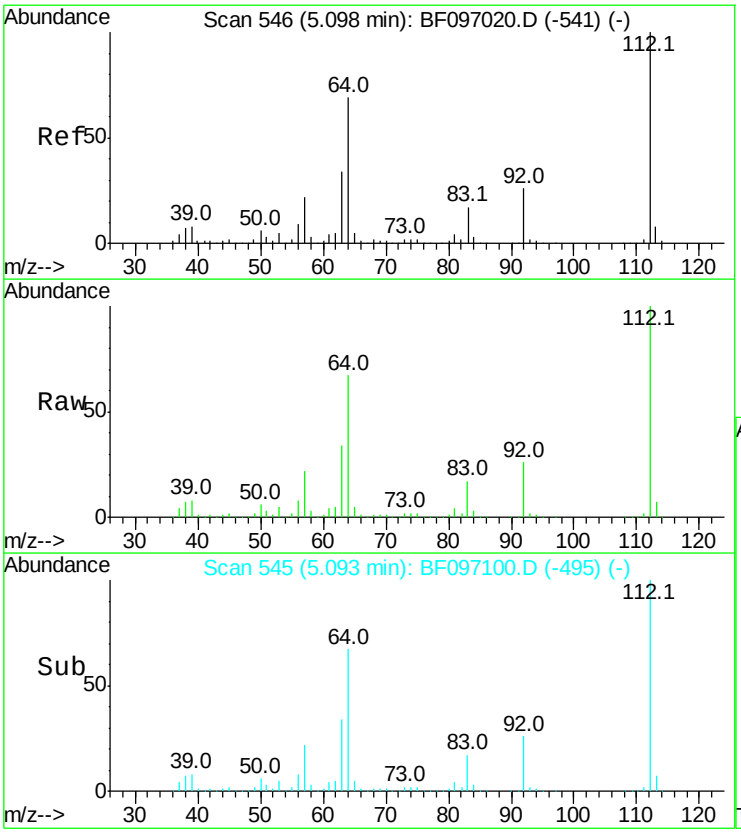

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:152 Resp: 97258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.5 | 126.2 | 189.2 |
| 115 | 67.0 | 52.2 | 78.2 |

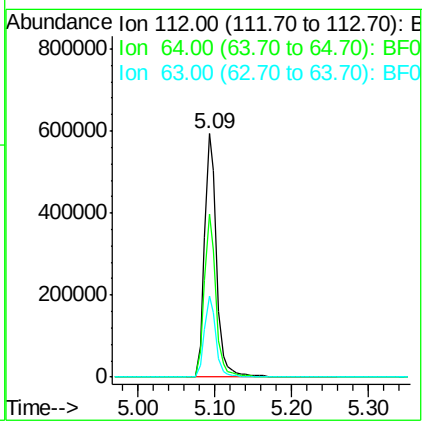


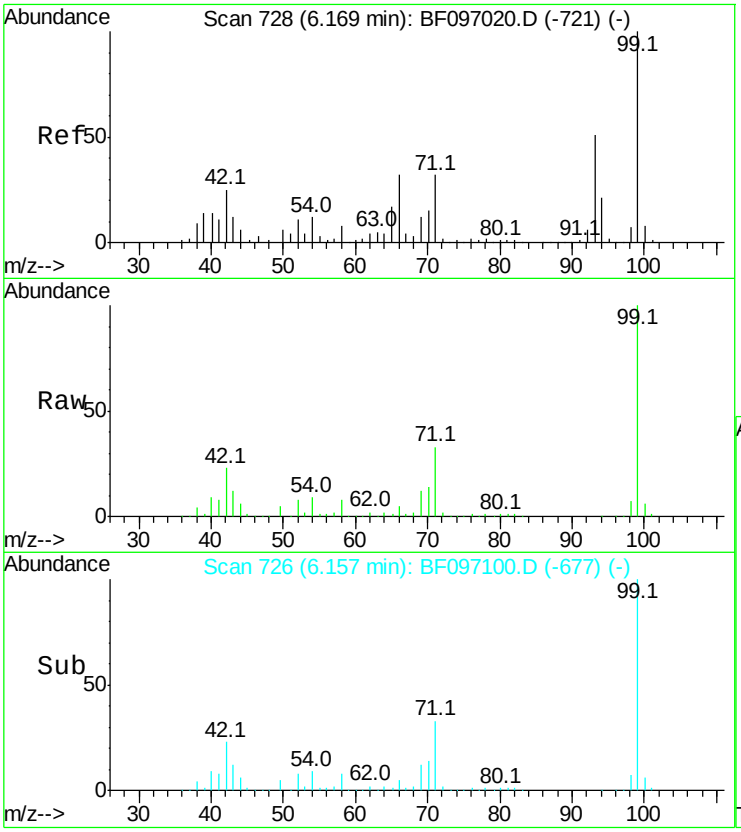




#5
2-Fluorophenol
Concen: 100.072 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:112 Resp: 645633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.9 | 46.0 | 69.0 |
| 63 | 33.5 | 23.4 | 35.0 |



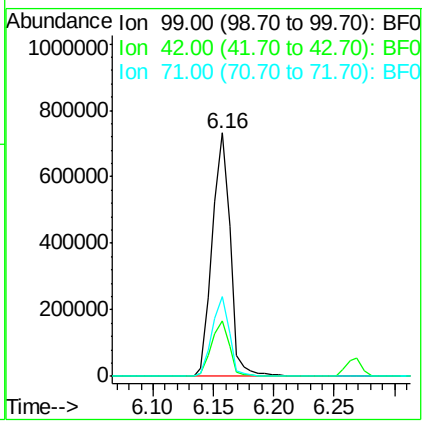


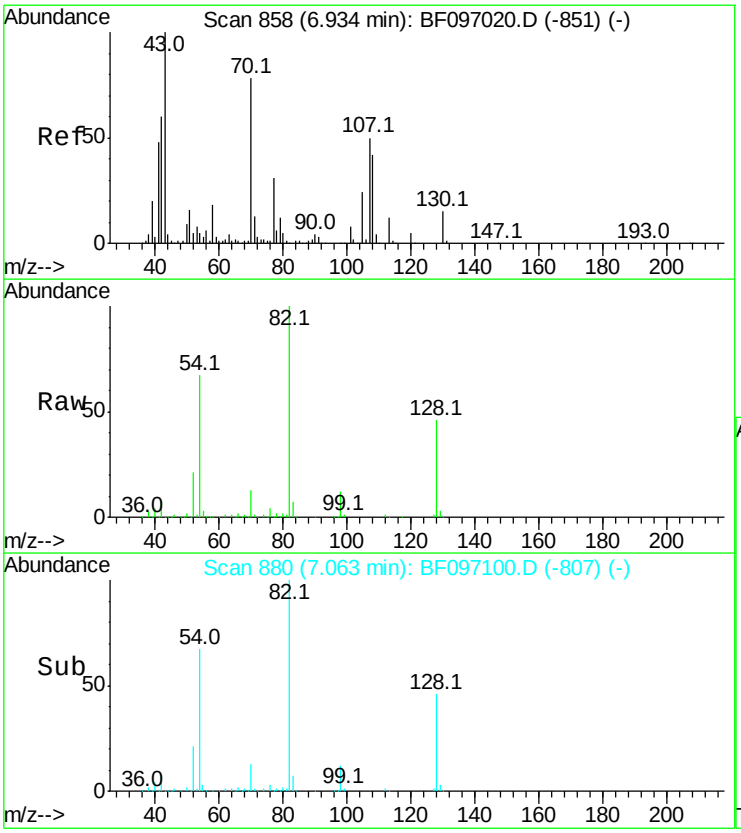

#7
Phenol-d6
Concen: 101.708 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion: 99 Resp: 749114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 13.5 | 20.3# |
| 71 | 33.0 | 24.5 | 36.7 |

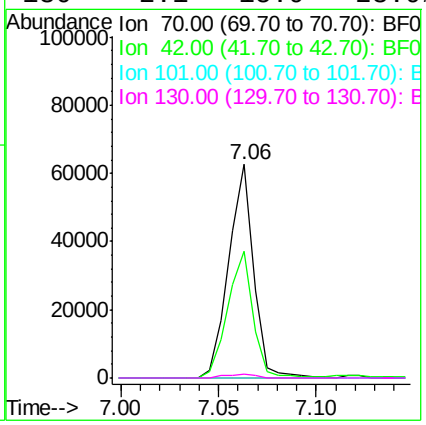


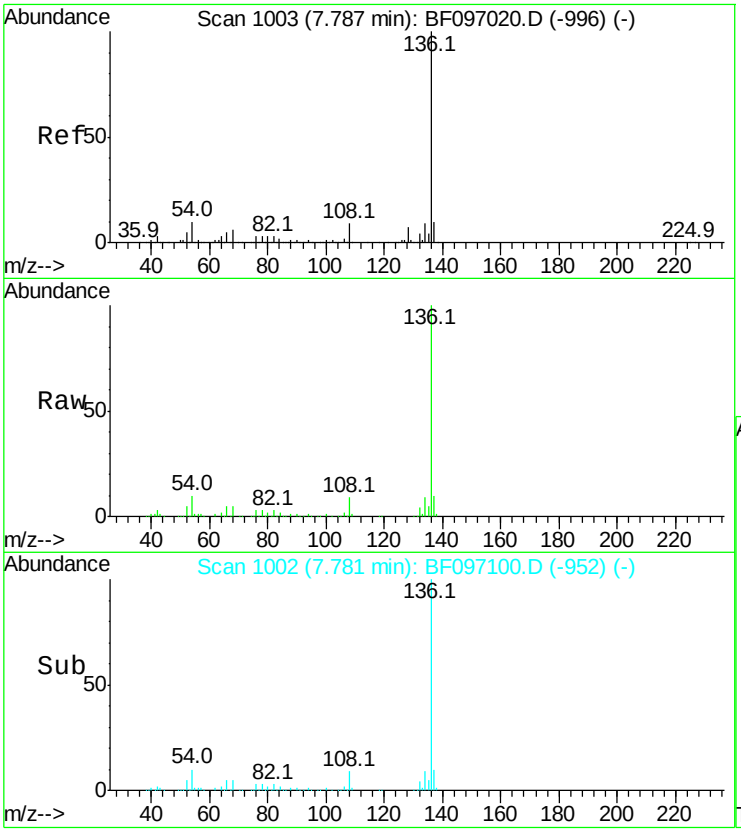




#19
n-Nitroso-di-n-propylamine
Concen: 11.484 ng
RT: 7.06 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion: 70 Resp: 55675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.3 | 47.2 | 70.8 |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.1 | 15.9 | 23.9# |



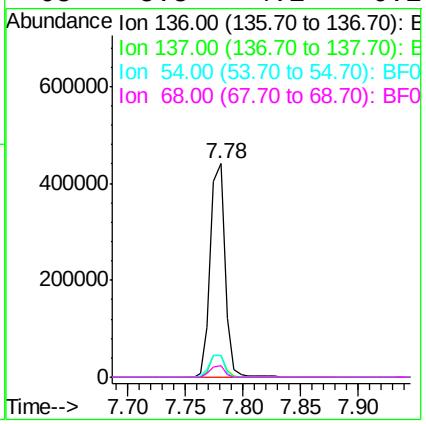


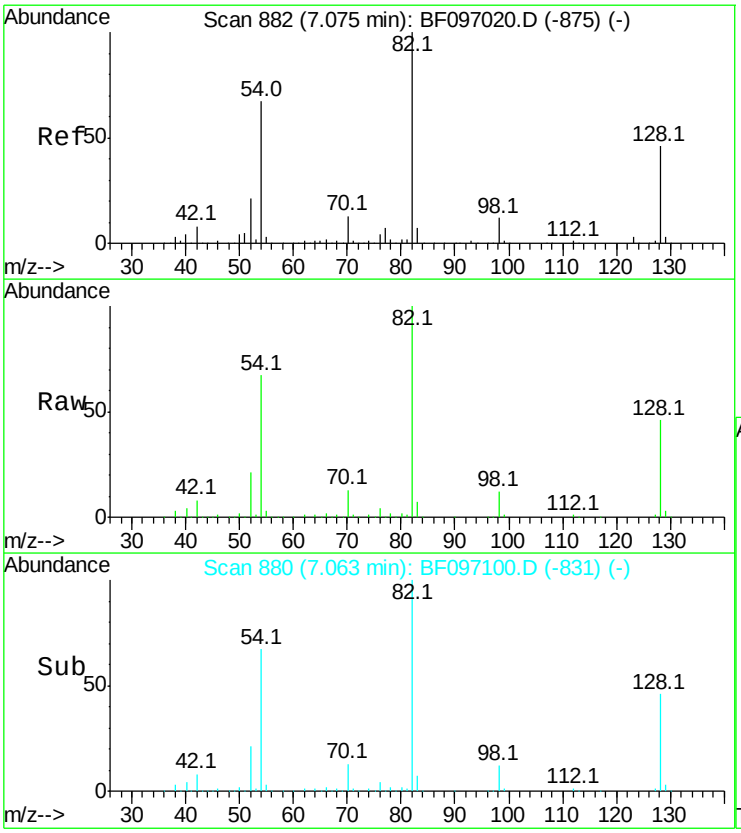

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:136 Resp: 393300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.5 | 12.7 |
| 54 | 10.0 | 4.9 | 7.3# |
| 68 | 5.3 | 4.1 | 6.1 |

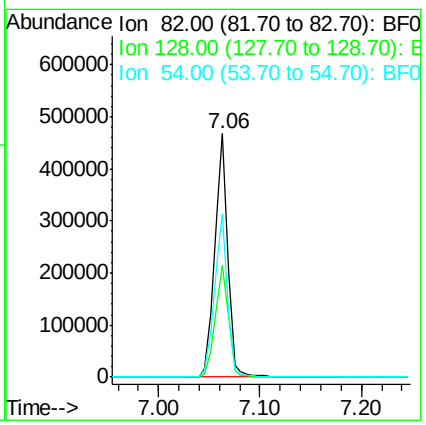


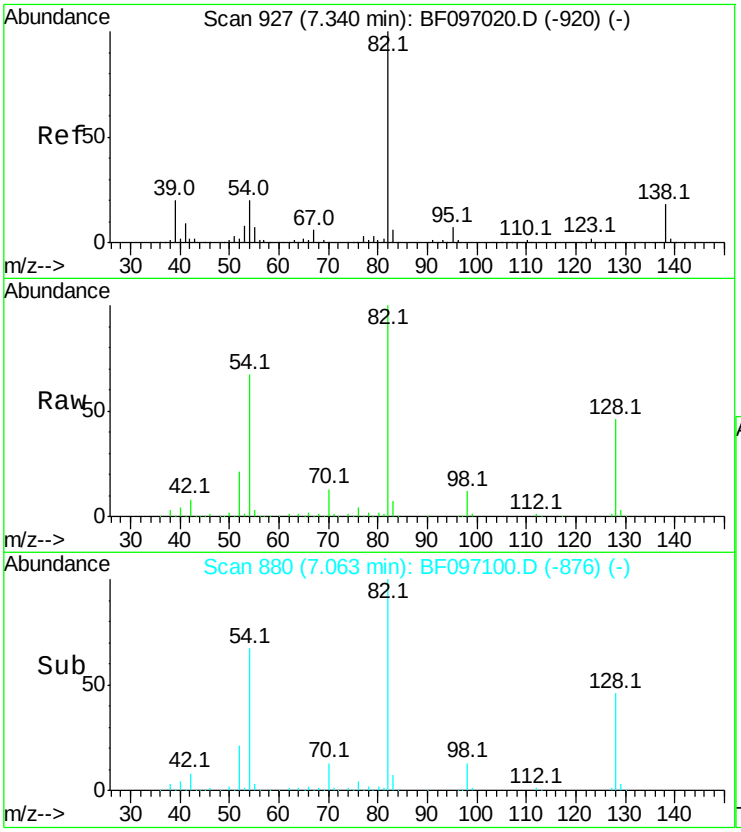




#23
Nitrobenzene-d5
Concen: 62.355 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion: 82 Resp: 418043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 34.0 | 51.0 |
| 54 | 66.8 | 42.2 | 63.2# |



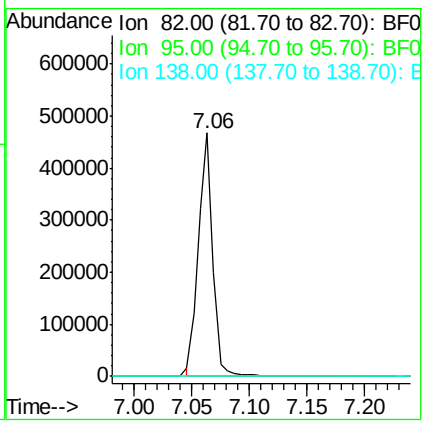


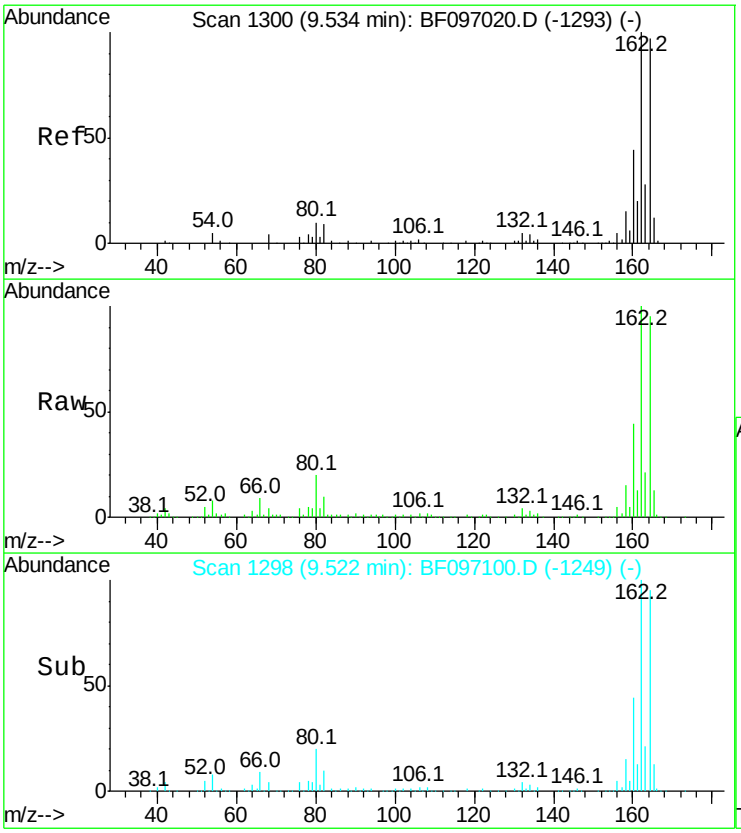

#25
Isophorone
Concen: 31.211 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion: 82 Resp: 409780

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

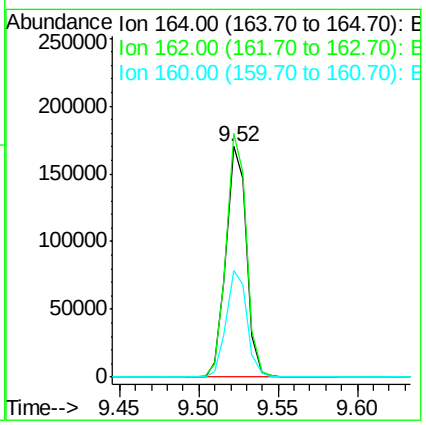


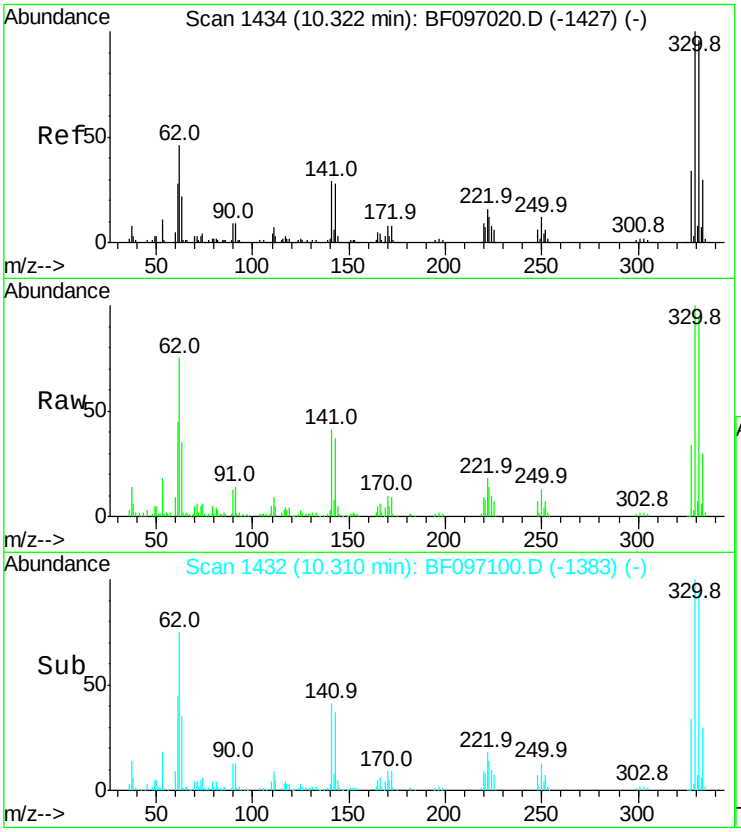




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:164 Resp: 153043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.7 | 82.6 | 123.8 |
| 160 | 46.4 | 36.2 | 54.2 |



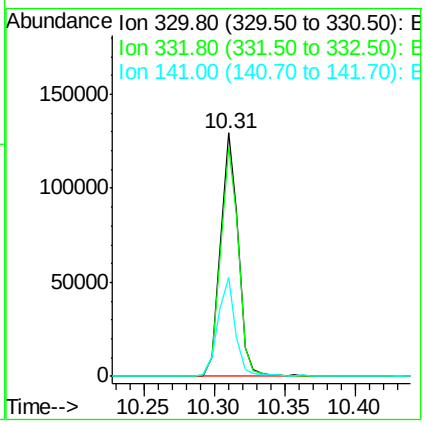


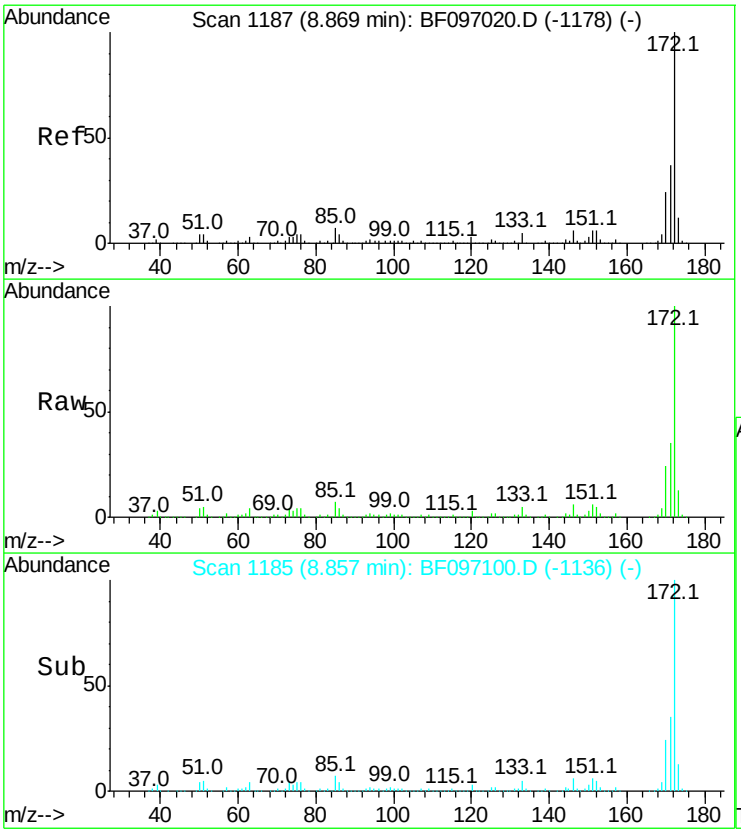

#41
2,4,6-Tribromophenol
Concen: 92.980 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:330 Resp: 112430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 76.6 | 115.0 |
| 141 | 41.0 | 31.4 | 47.2 |

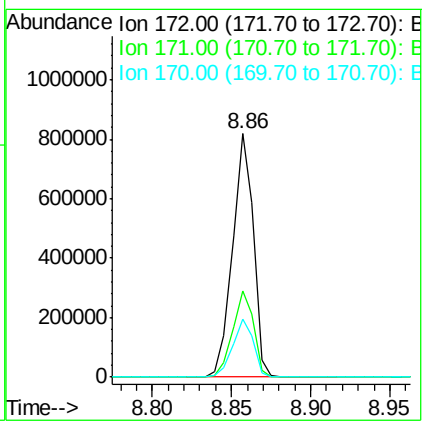


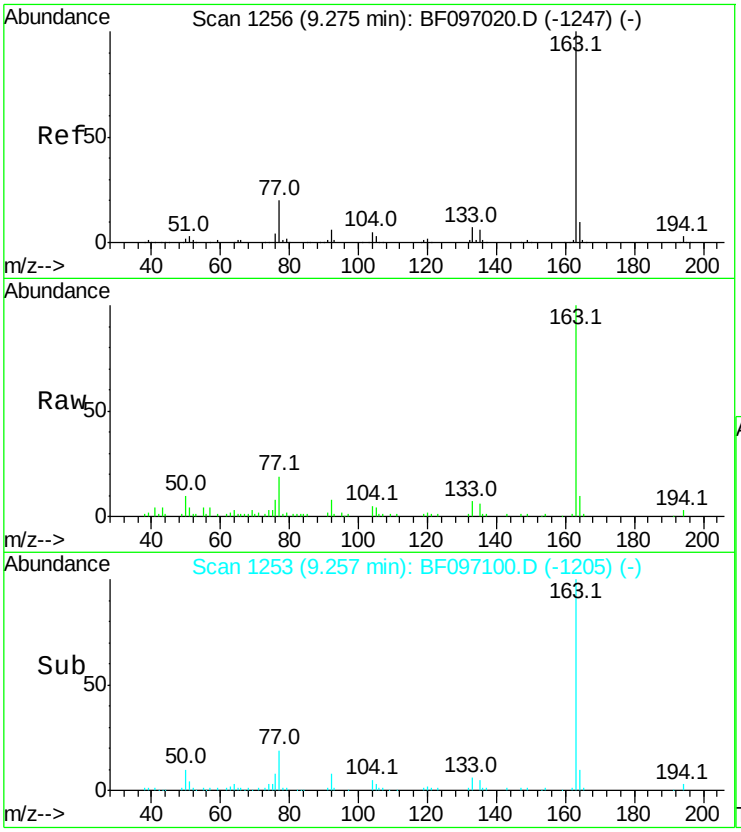




#44
2-Fluorobiphenyl
Concen: 82.780 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:172 Resp: 746505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.6 | 44.4 |
| 170 | 23.6 | 19.8 | 29.8 |



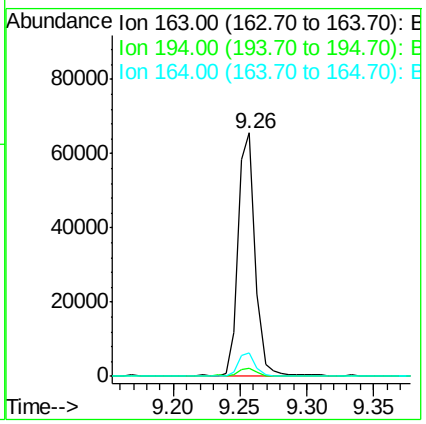


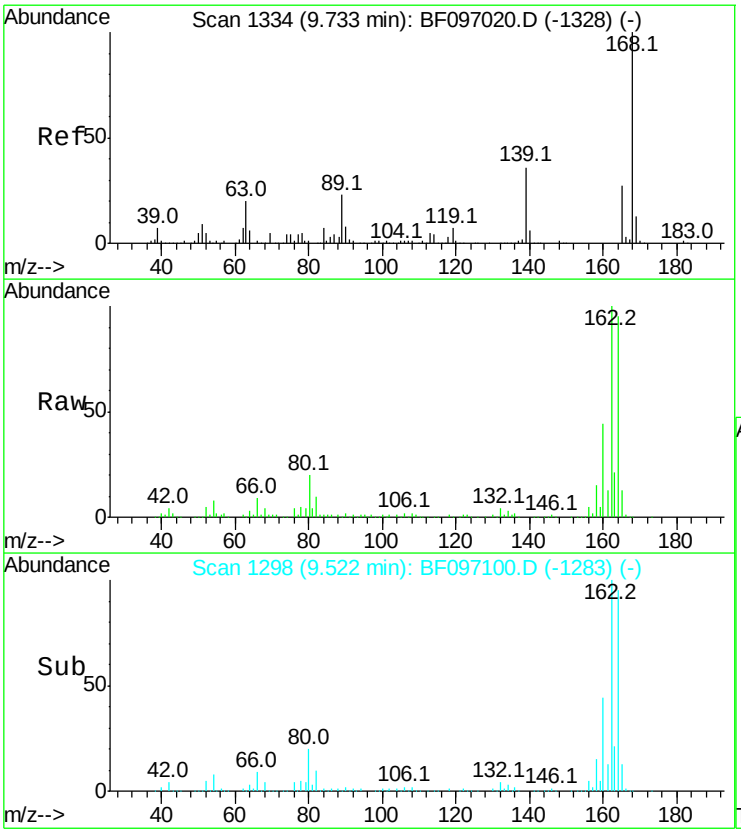

#49
Dimethylphthalate
Concen: 5.073 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:163 Resp: 58954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.6 | 4.0 |
| 164 | 9.7 | 8.4 | 12.6 |

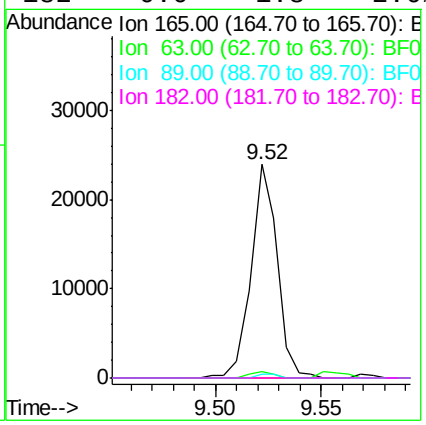


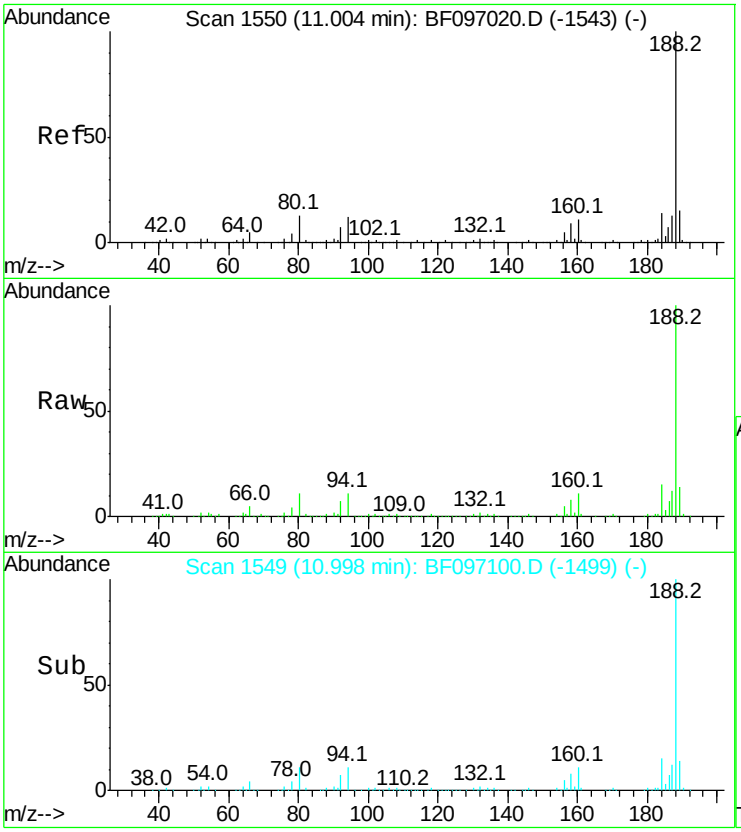




#56
2,4-Dinitrotoluene
Concen: 7.278 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:165 Resp: 20622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.8 | 25.4 | 38.0# |
| 89 | 1.7 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |



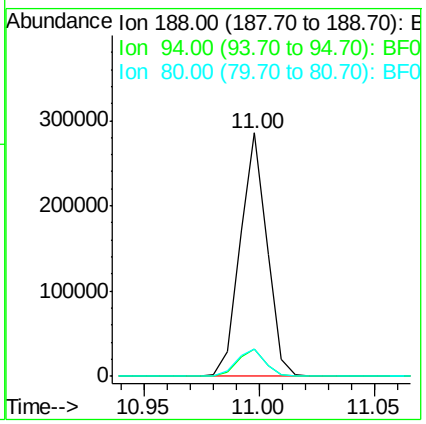


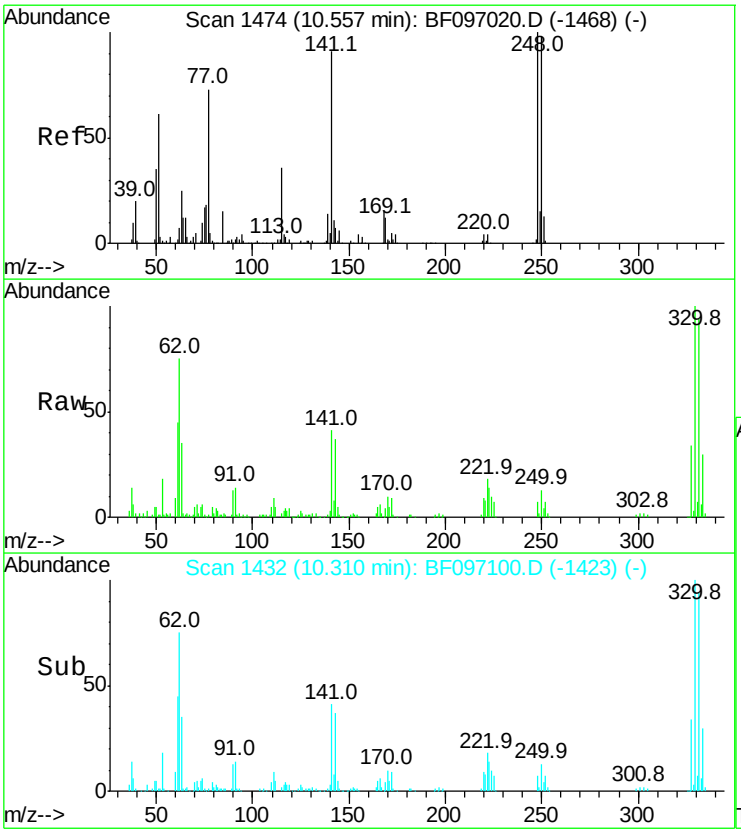

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:188 Resp: 231566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.5 | 9.4 | 14.2 |
| 80 | 11.2 | 10.2 | 15.2 |

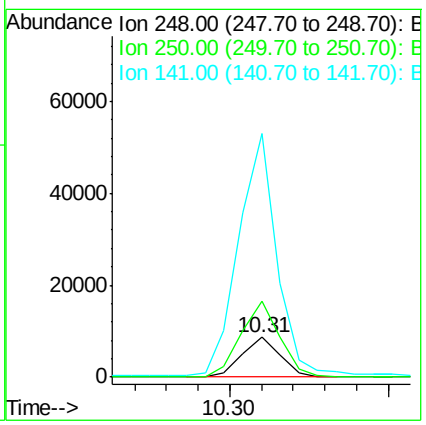


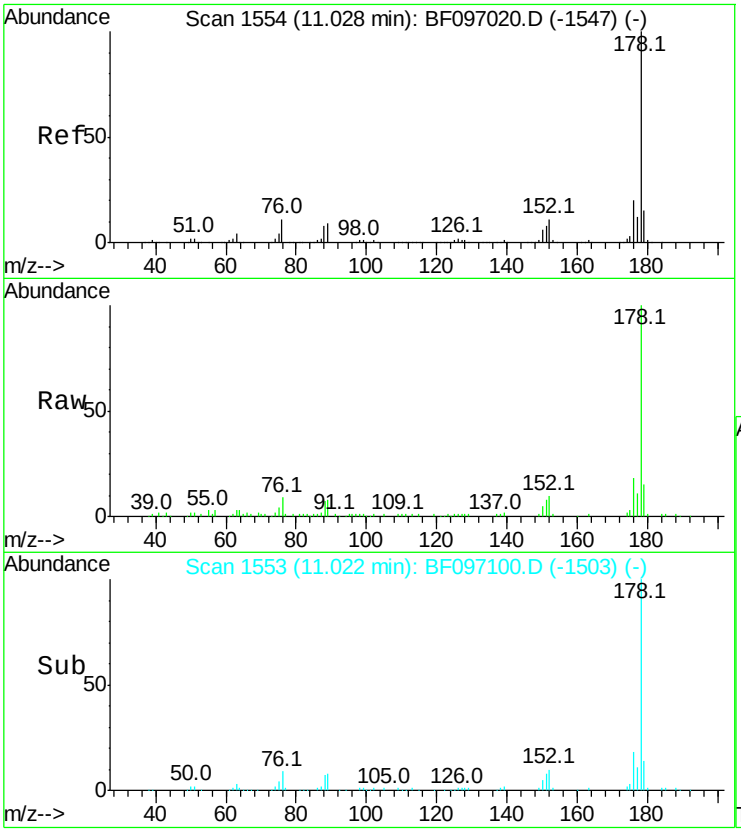




#66
4-Bromophenyl-phenylether
Concen: 3.111 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:248 Resp: 7189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.4 | 76.8 | 115.2# |
| 141 | 615.3 | 68.6 | 103.0# |



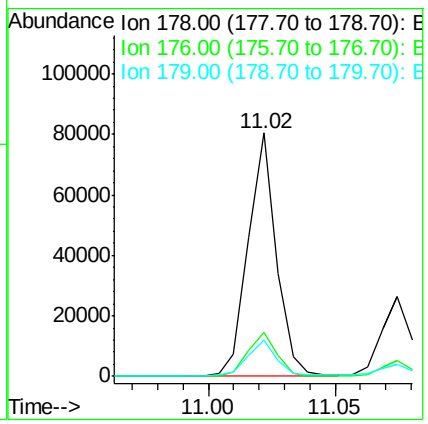


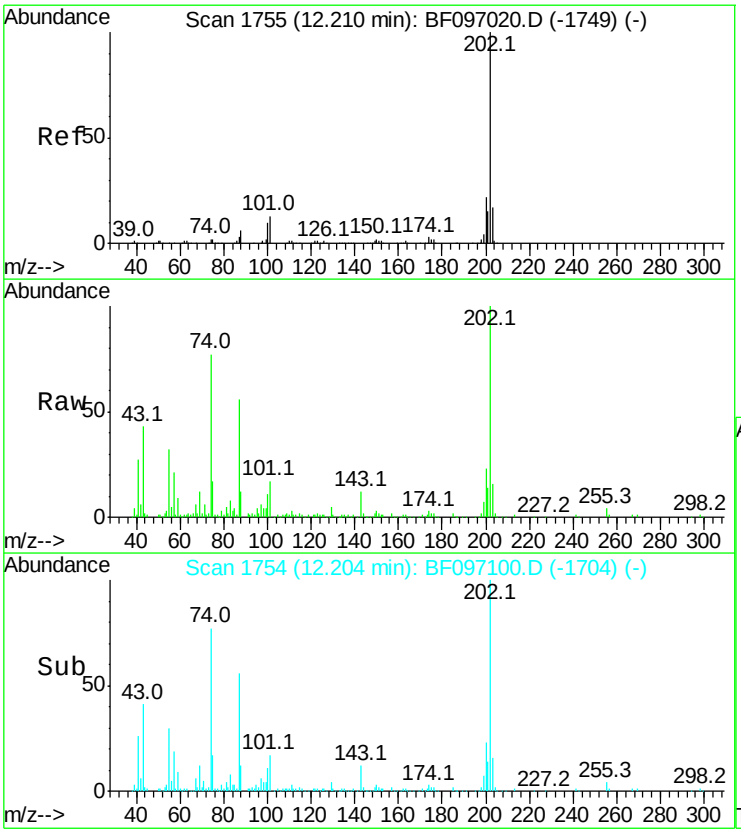

#70
Phenanthrene
Concen: 5.055 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:178 Resp: 62715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 16.2 | 24.4 |
| 179 | 14.7 | 12.6 | 19.0 |

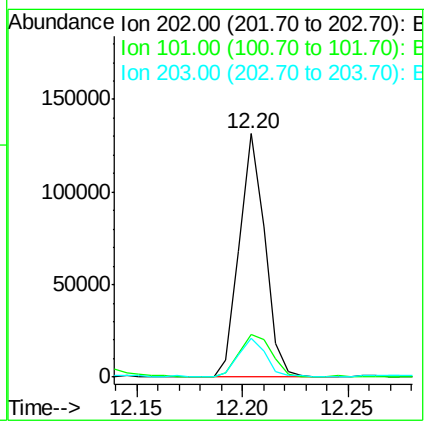


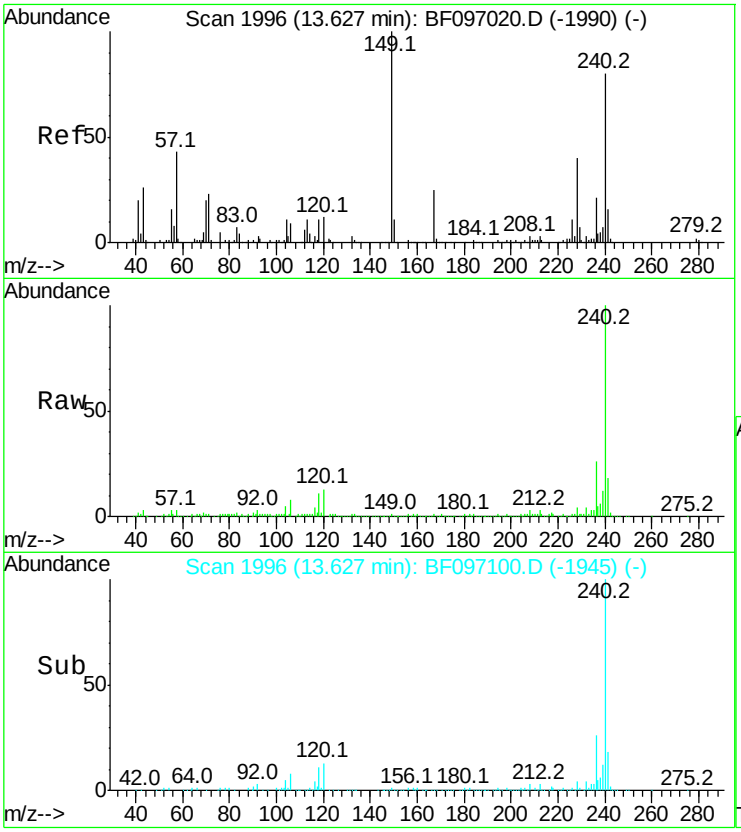




#74
Fluoranthene
Concen: 9.129 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:202 Resp: 110958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.5 | 0.0 | 33.2 |
| 203 | 15.9 | 0.0 | 38.1 |



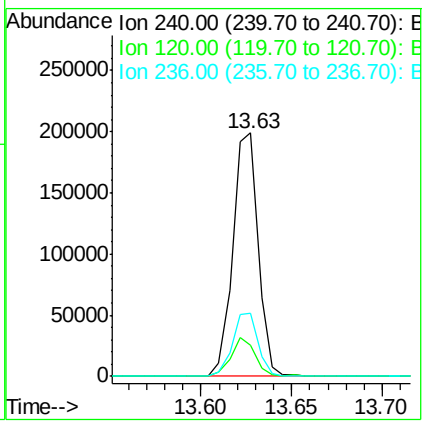


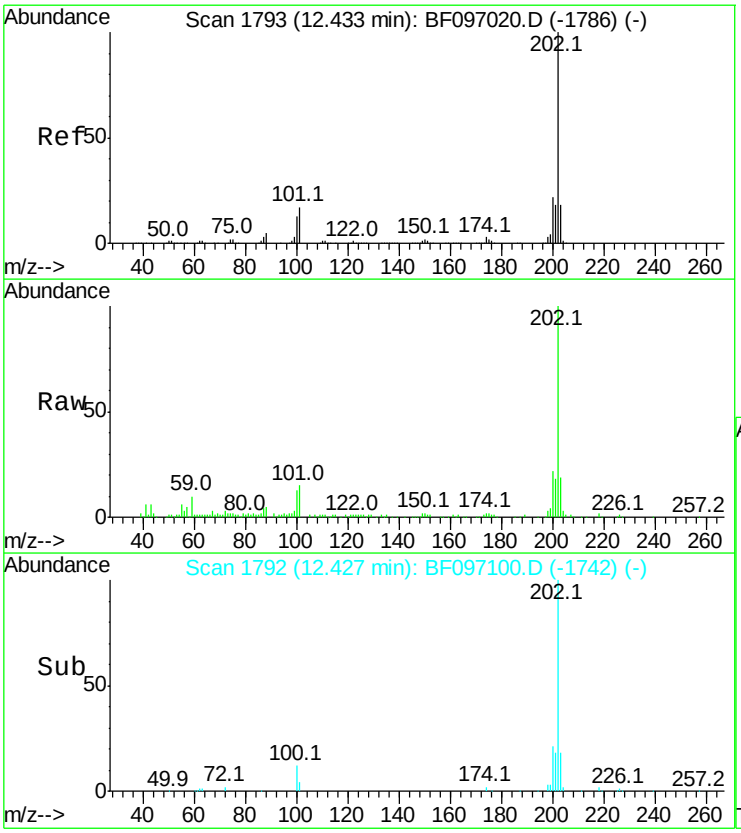

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.63 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:240 Resp: 193933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 5.8 | 8.8# |
| 236 | 26.0 | 20.5 | 30.7 |

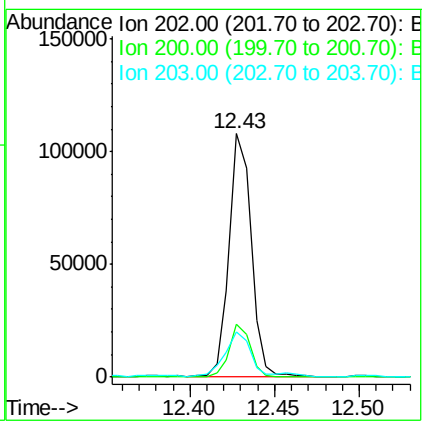


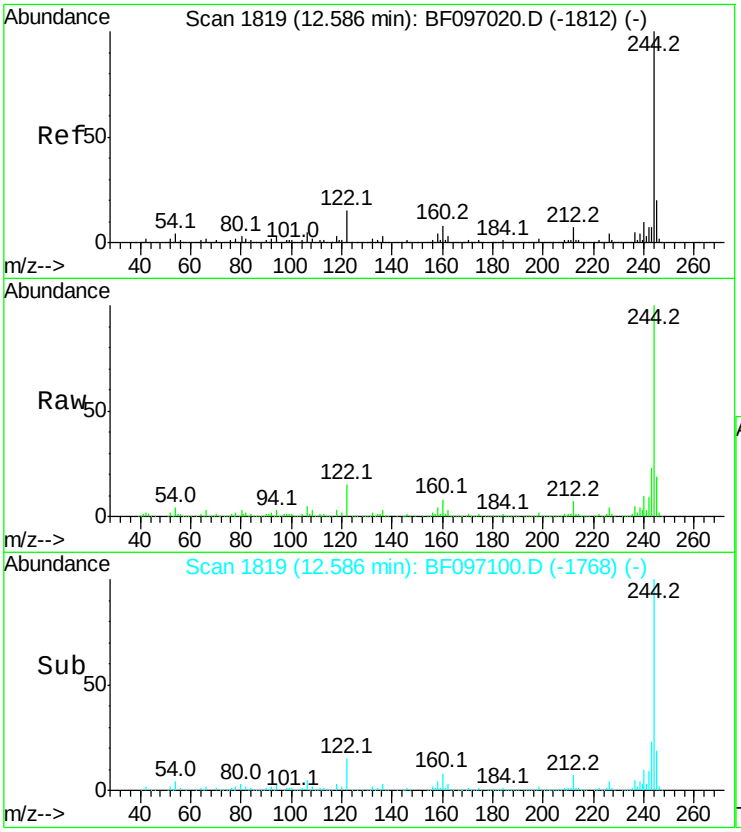




#77
Pyrene
Concen: 6.249 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:202 Resp: 99210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.6 | 26.4 |
| 203 | 18.5 | 14.4 | 21.6 |



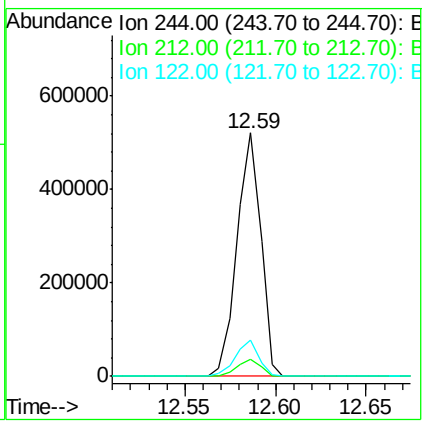


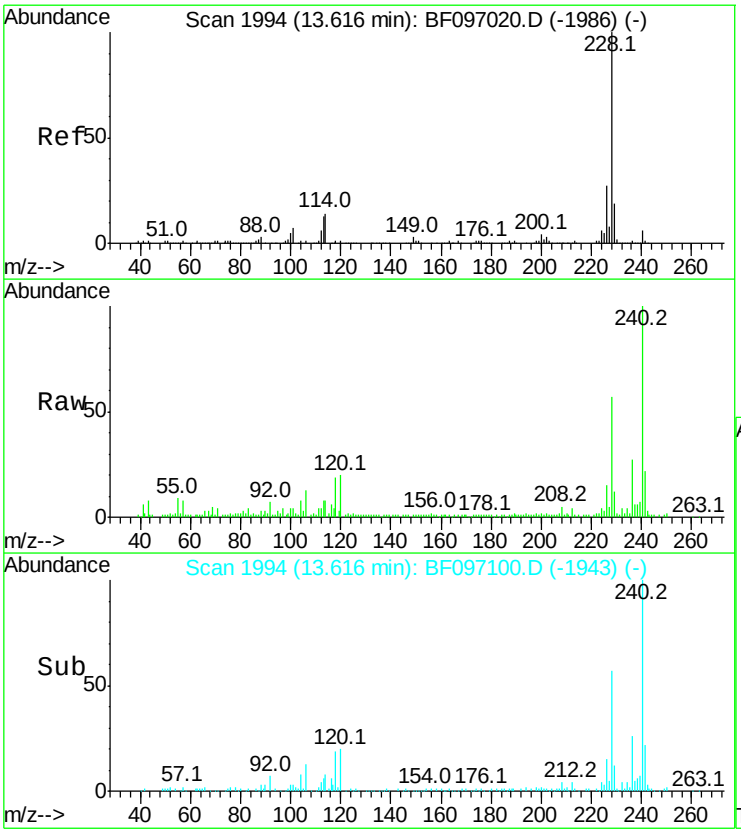

#78
Terphenyl-d14
Concen: 50.160 ng
RT: 12.59 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:244 Resp: 477115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.0 | 9.0 |
| 122 | 15.1 | 10.3 | 15.5 |

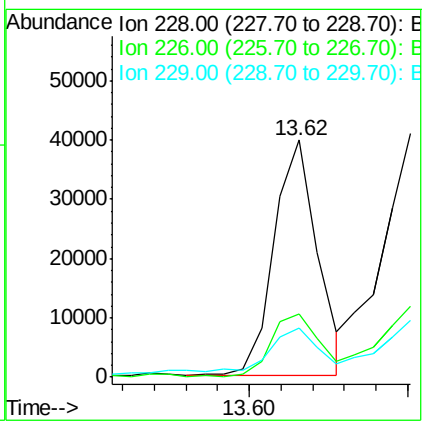


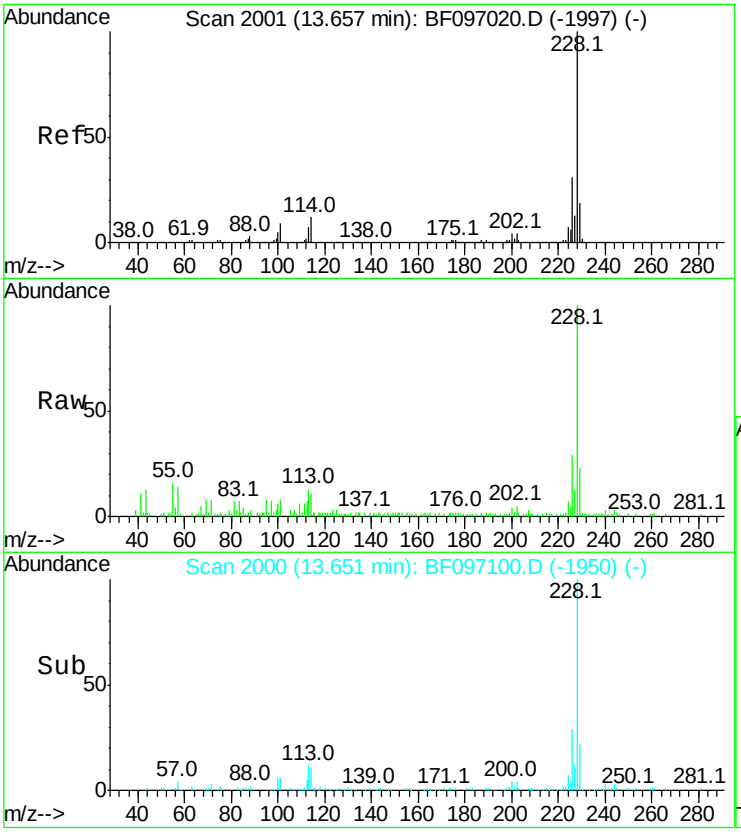




#80
Benzo(a)anthracene
Concen: 3.023 ng
RT: 13.62 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:228 Resp: 37938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 22.6 | 33.8 |
| 229 | 20.5 | 16.3 | 24.5 |



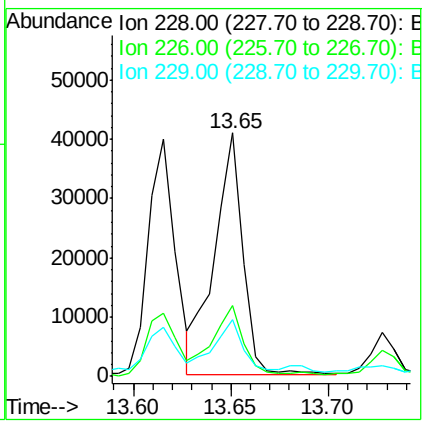


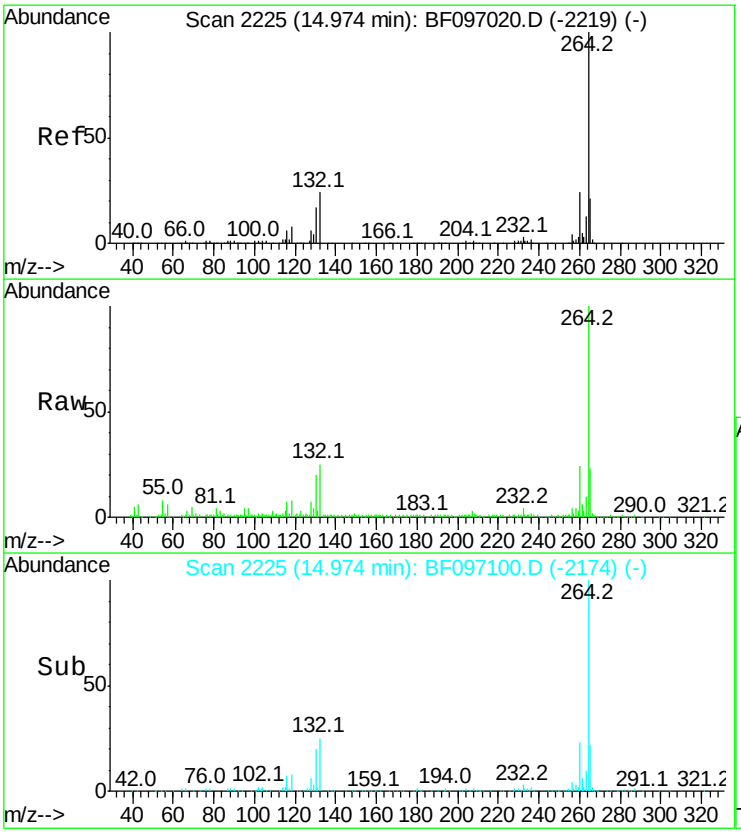

#82
Chrysene
Concen: 3.381 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:228 Resp: 41432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 24.9 | 37.3 |
| 229 | 23.4 | 15.8 | 23.6 |

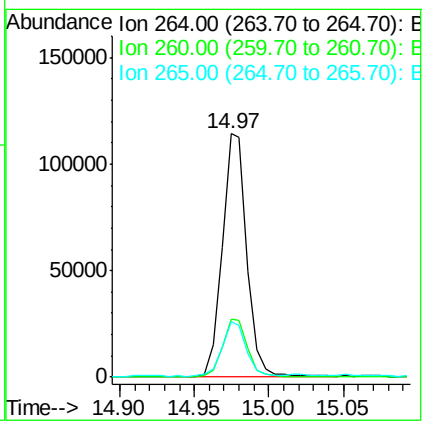


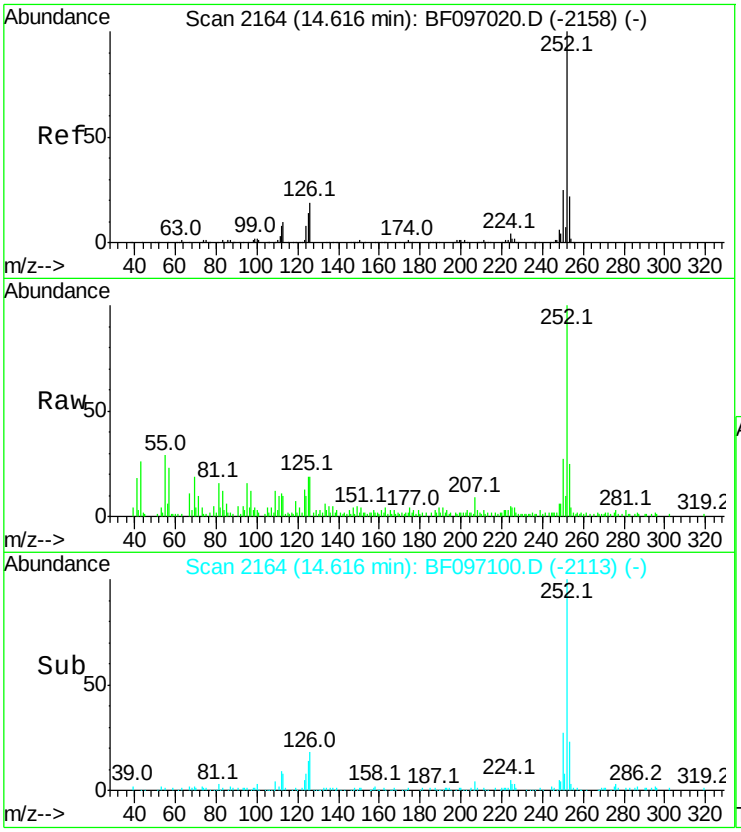




#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:264 Resp: 133339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.5 | 29.3 |
| 265 | 22.7 | 17.2 | 25.8 |



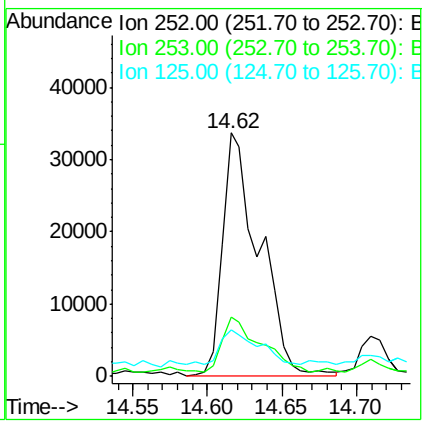


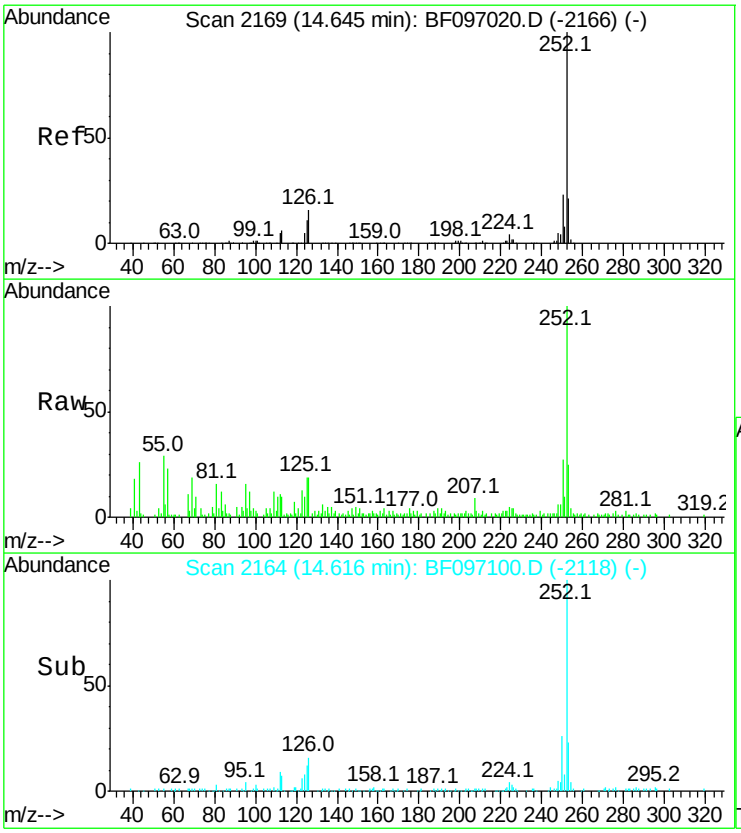

#87
Benzo(b)fluoranthene
Concen: 7.276 ng
RT: 14.62 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:252 Resp: 58317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 18.1 | 27.1 |
| 125 | 19.1 | 9.8 | 14.8# |

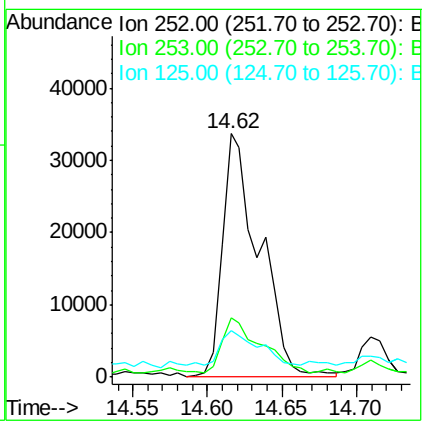


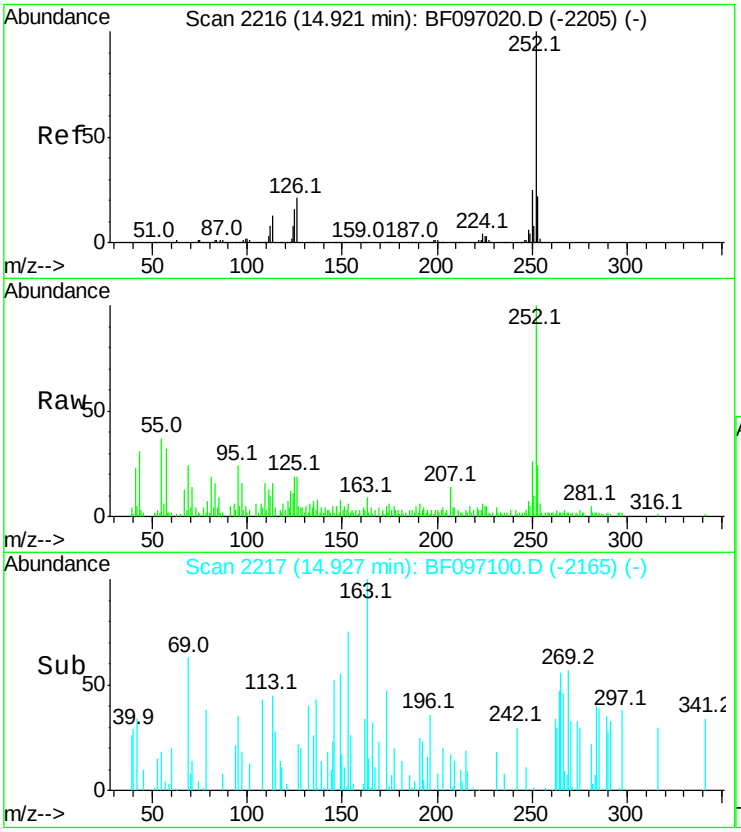




#88
Benzo(k)fluoranthene
Concen: 7.635 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.03 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:252 Resp: 58317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 18.4 | 27.6 |
| 125 | 19.1 | 13.1 | 19.7 |



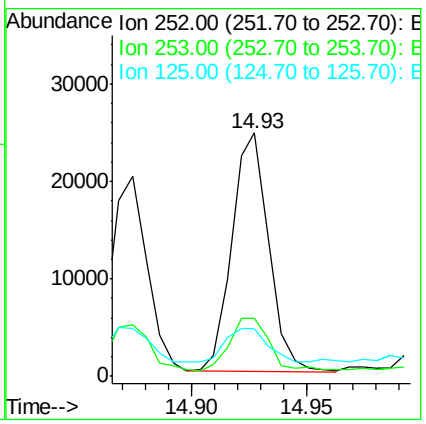


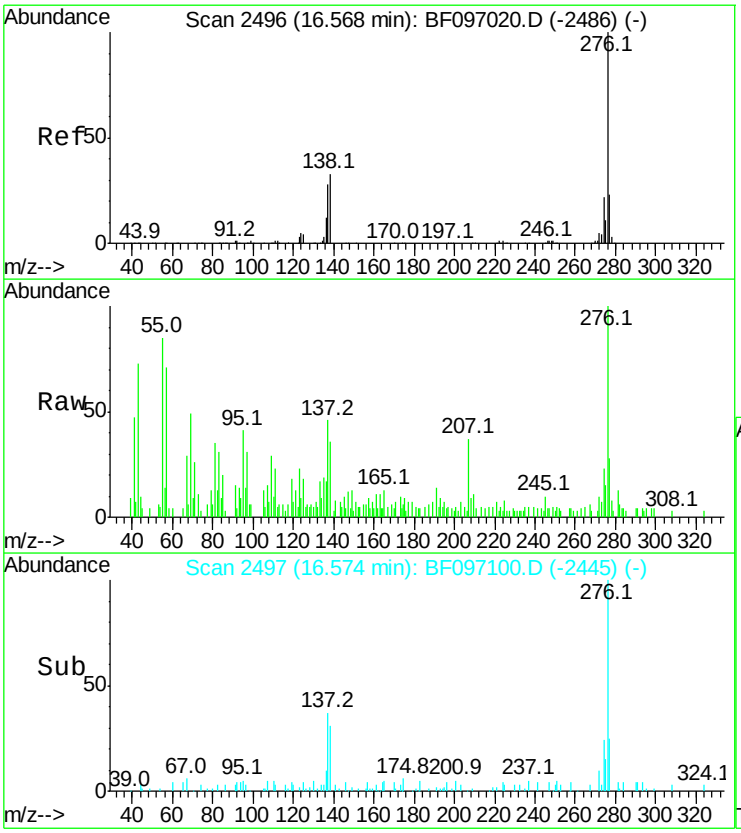

#89
Benzo(a)pyrene
Concen: 3.704 ng
RT: 14.93 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

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

Tgt Ion:252 Resp: 27171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 17.5 | 26.3 |
| 125 | 19.4 | 11.0 | 16.4# |




#91
Benzo(g,h,i)perylene
Concen: 3.261 ng
RT: 16.57 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:276 Resp: 20574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.7 | 18.6 | 28.0 |
| 138 | 36.1 | 25.4 | 38.0 |