Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095938.D
Acq On : 14 Jun 2017 23:33
Operator : SJ/MA
Sample : I3660-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 15 01:09:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.33 | 152 | 69178 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 9.37 | 136 | 281204 | 20.00 | ng | | -0.06 |
| 38) Acenaphthene-d10 | 12.19 | 164 | 120098 | 20.00 | ng | | -0.07 |
| 63) Phenanthrene-d10 | 14.58 | 188 | 188177 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 18.30 | 240 | 140840 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 19.97 | 264 | 117369 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 221509 | 51.02 | ng | | -0.05 |
| 7) Phenol-d6 | 6.90 | 99 | 335925 | 64.63 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 8.25 | 82 | 187127 | 41.33 | ng | | -0.07 |
| 41) 2,4,6-Tribromophenol | 13.48 | 330 | 113549 | 106.86 | ng | | -0.07 |
| 44) 2-Fluorobiphenyl | 11.15 | 172 | 551012 | 63.85 | ng | | -0.07 |
| 78) Terphenyl-d14 | 16.96 | 244 | 499302 | 87.98 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 8.25 | 70 | 21186 | 6.43 | ng | # | 73 |
| 48) Acenaphthylene | 11.96 | 152 | 40339 | 3.05 | ng | | 97 |
| 49) Dimethylphthalate | 11.85 | 163 | 71416 | 7.83 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 12.19 | 165 | 15316 | 7.70 | ng | # | 34 |
| 55) 4-Nitrophenol | 12.57 | 139 | 113 | 4.71 | ng | # | 25 |
| 70) Phenanthrene | 14.62 | 178 | 39078 | 3.60 | ng | | 99 |
| 71) Anthracene | 14.62 | 178 | 39078 | 3.45 | ng | | 99 |
| 74) Fluoranthene | 16.40 | 202 | 139399 | 12.97 | ng | | 97 |
| 77) Pyrene | 16.70 | 202 | 152842 | 14.54 | ng | | 97 |
| 80) Benzo(a)anthracene | 18.33 | 228 | 103388 | 12.63 | ng | | 98 |
| 82) Chrysene | 18.33 | 228 | 103388 | 12.63 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 21.14 | 276 | 74364 | 10.62 | ng | # | 92 |
| 87) Benzo(b)fluoranthene | 19.57 | 252 | 170502 | 23.20 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.57 | 252 | 170502 | 24.27 | ng | | 96 |
| 89) Benzo(a)pyrene | 19.92 | 252 | 115842 | 17.15 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 21.27 | 278 | 16107 | 2.81 | ng | | 92 |
| 91) Benzo(g,h,i)perylene | 21.47 | 276 | 70411 | 12.05 | ng | | 98 |

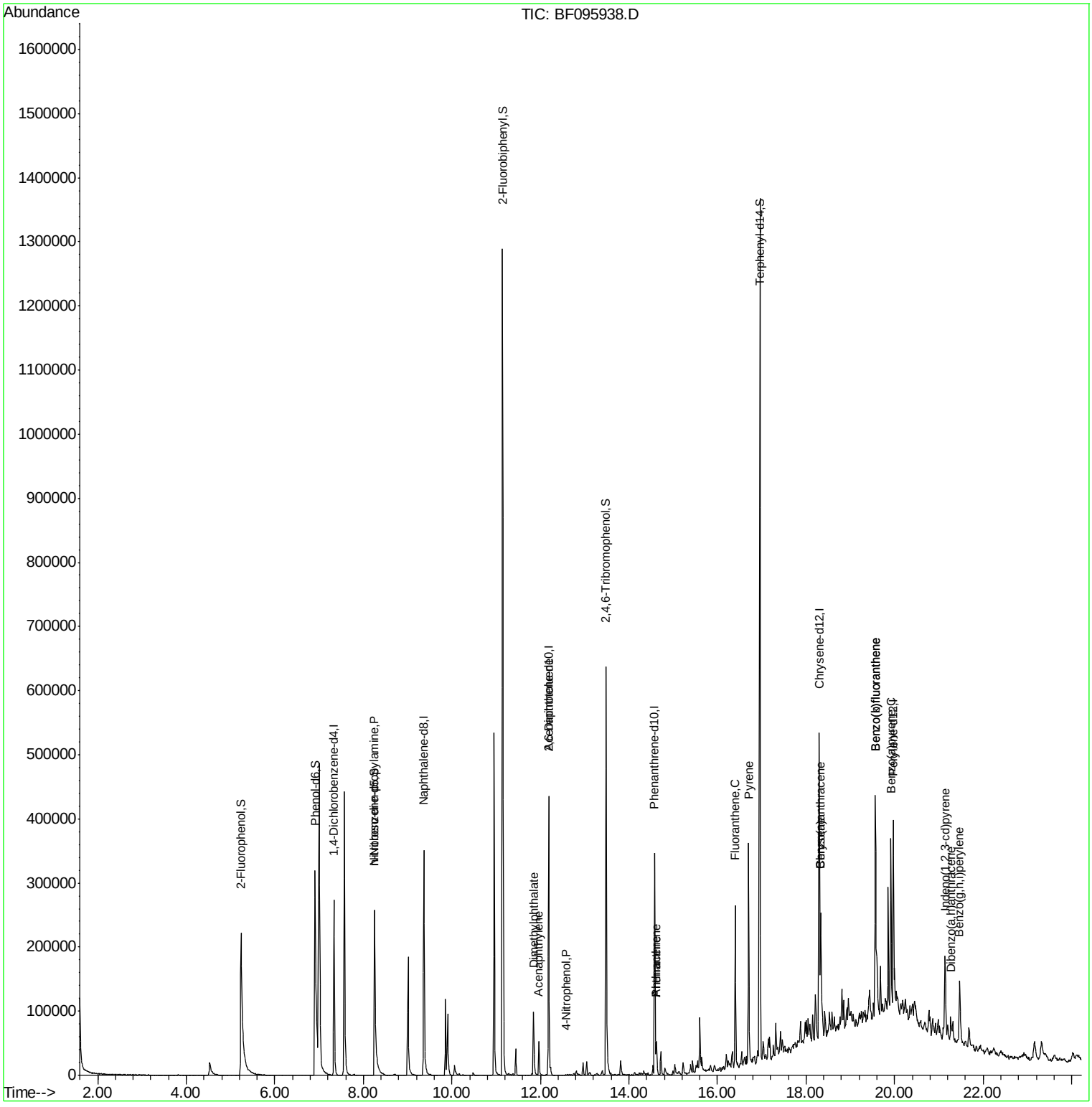
(#) = qualifier out of range (m) = manual integration (+) = signals summed

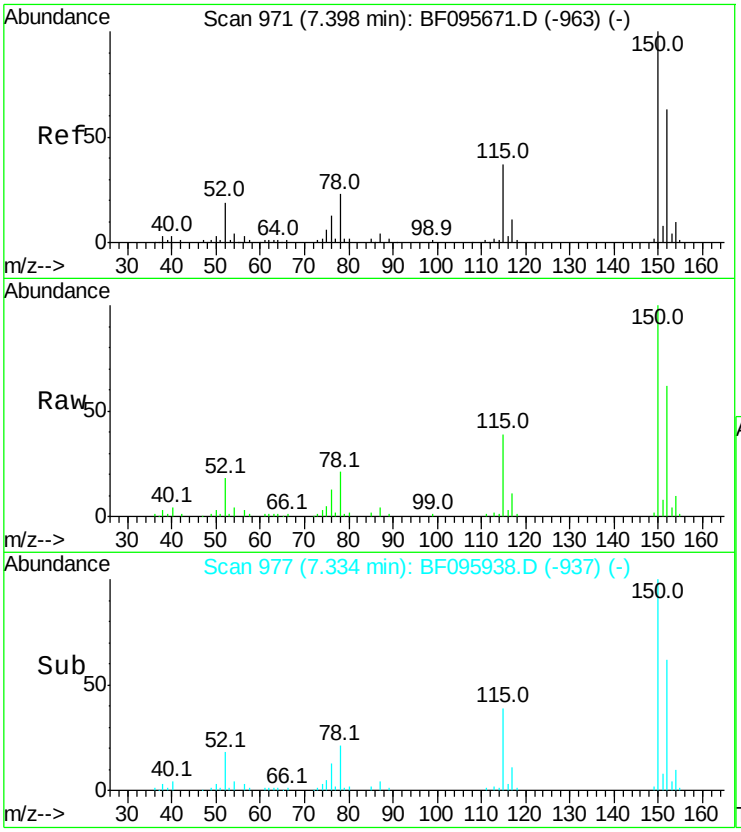
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095938.D
Acq On : 14 Jun 2017 23:33
Operator : SJ/MA
Sample : I3660-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 15 01:09:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

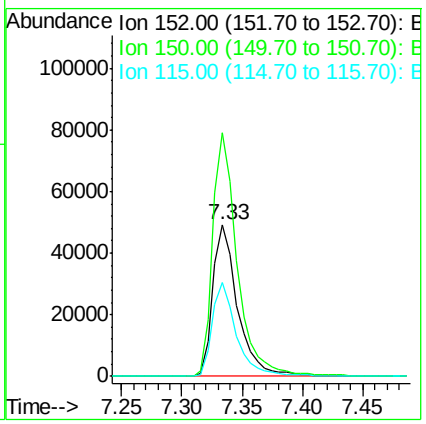




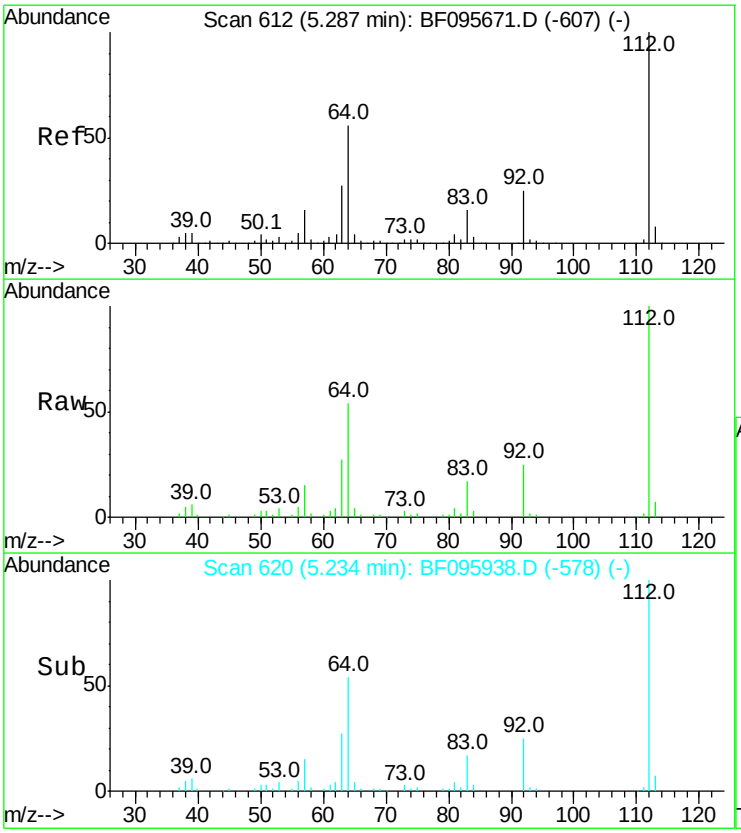

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:152 Resp: 69178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.6 | 126.2 | 189.2 |
| 115 | 62.0 | 52.2 | 78.2 |



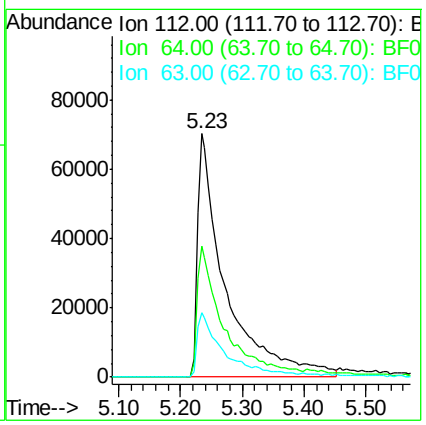

**Instrument :**
BNA_F
**ClientSampleId :**

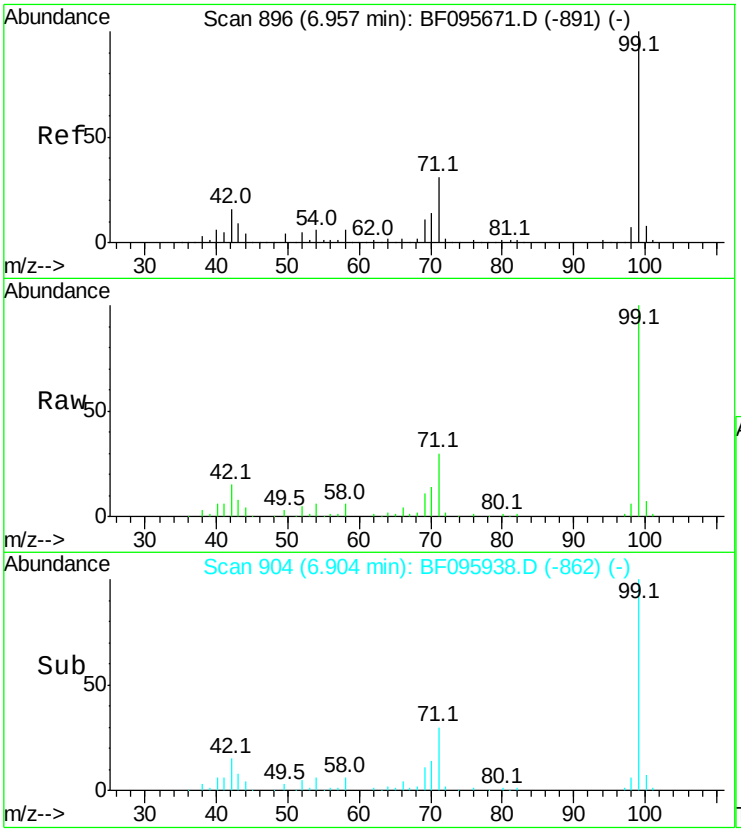



#5
2-Fluorophenol
Concen: 51.02 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:112 Resp: 221509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.5 | 46.0 | 69.0 |
| 63 | 26.6 | 23.4 | 35.0 |



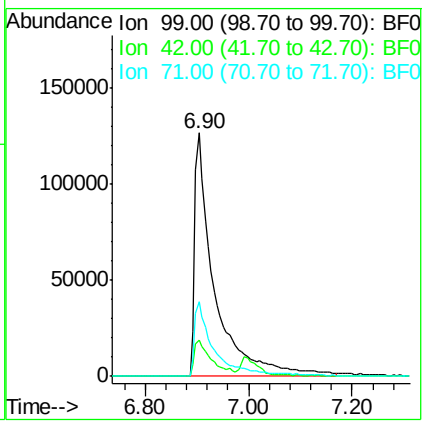


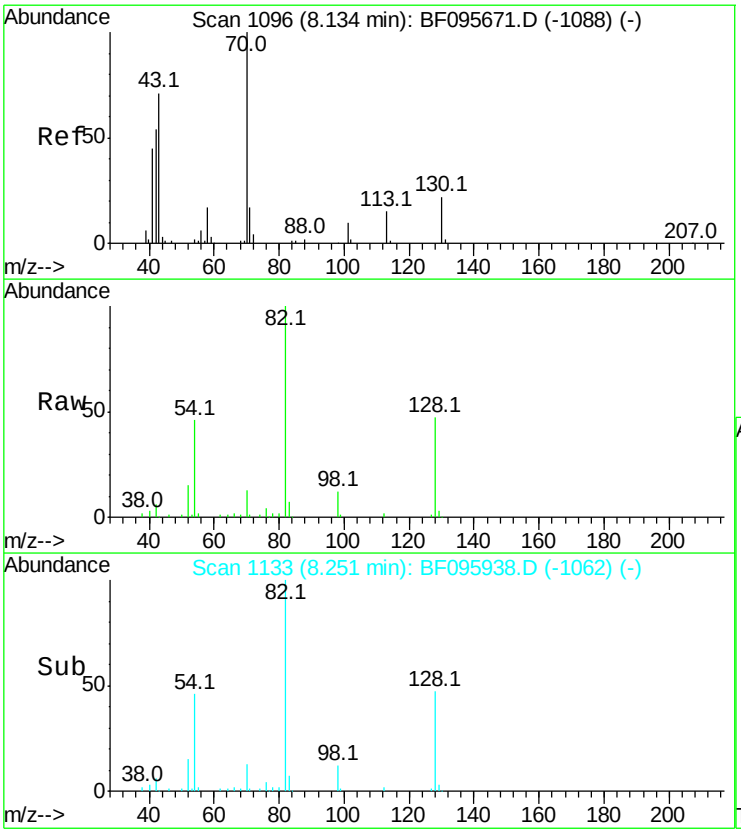

#7
Phenol-d6
Concen: 64.63 ng
RT: 6.90 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion: 99 Resp: 335925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 13.5 | 20.3 |
| 71 | 30.5 | 24.5 | 36.7 |

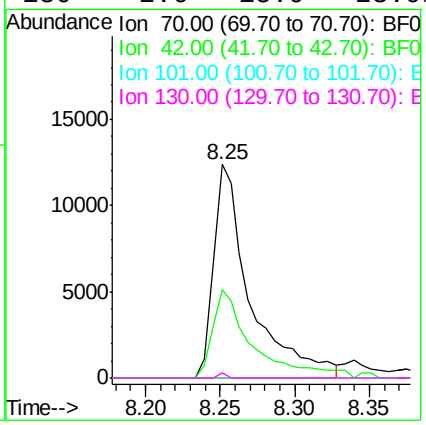


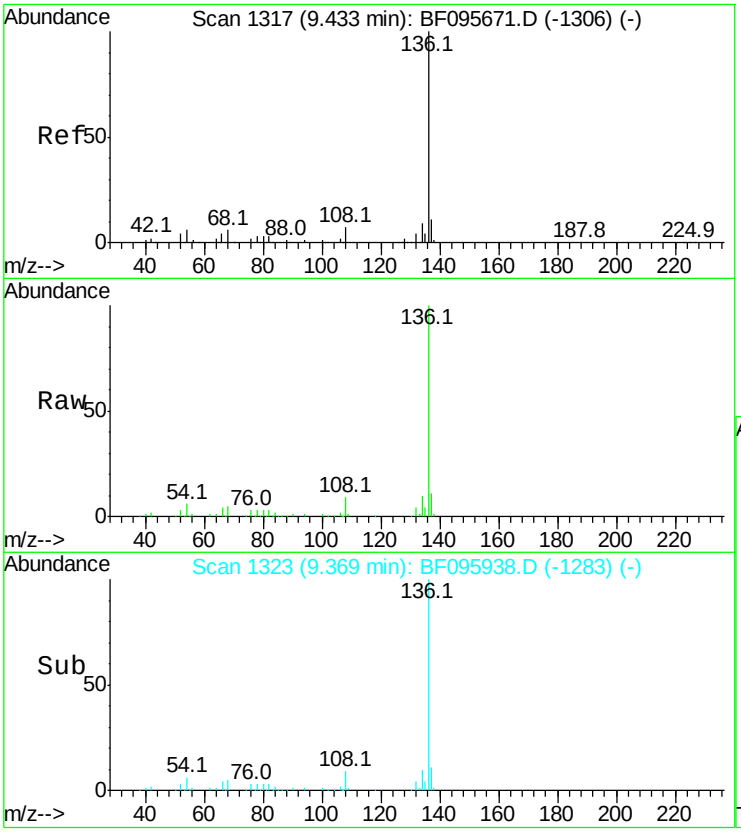




#19
n-Nitroso-di-n-propylamine
Concen: 6.43 ng
RT: 8.25 min Scan# 1133
Delta R.T. 0.12 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion: 70 Resp: 21186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.5 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.6 | 15.9 | 23.9# |



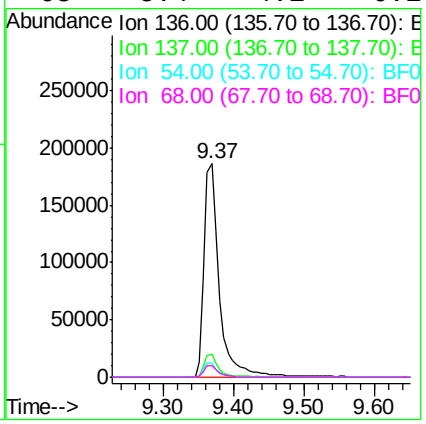


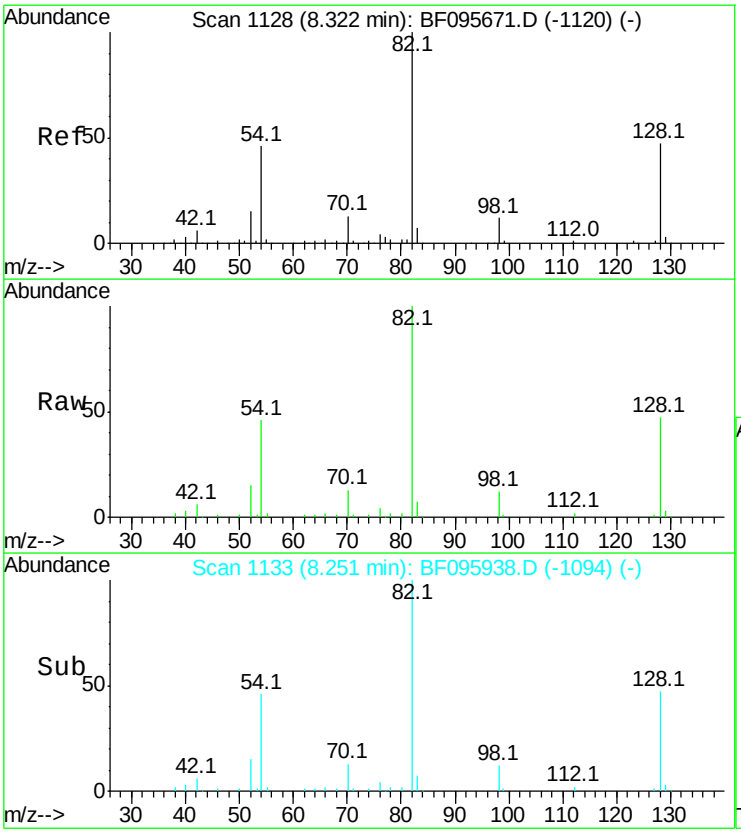

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.37 min Scan# 1323
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:136 Resp: 281204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 6.4 | 4.9 | 7.3 |
| 68 | 5.4 | 4.1 | 6.1 |

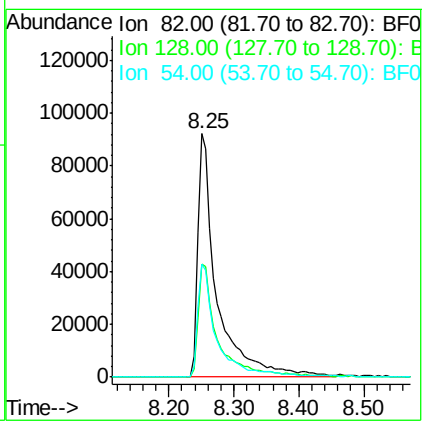


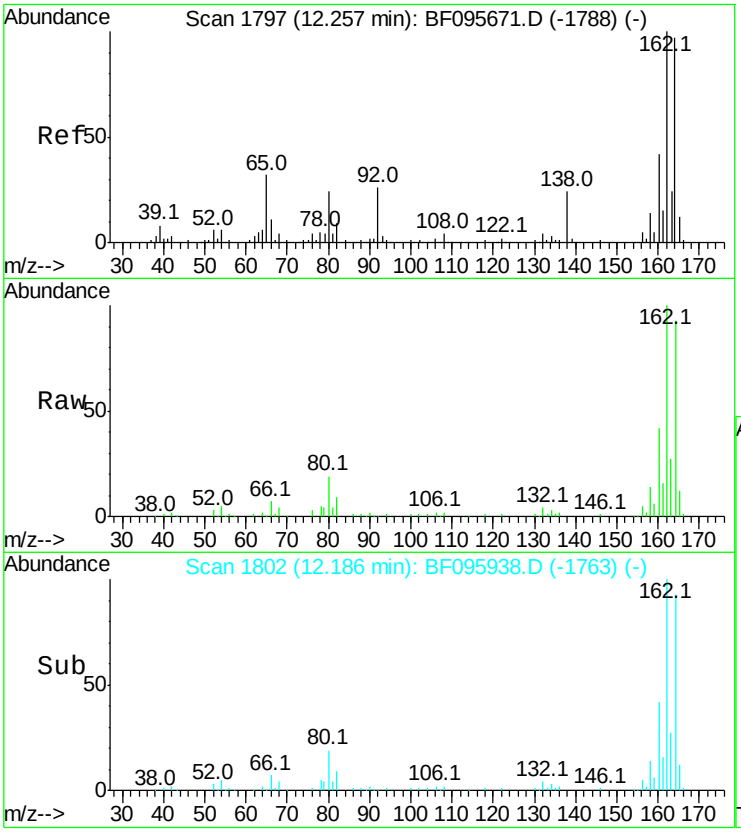




#23
Nitrobenzene-d5
Concen: 41.33 ng
RT: 8.25 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion: 82 Resp: 187127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 34.0 | 51.0 |
| 54 | 46.4 | 42.2 | 63.2 |



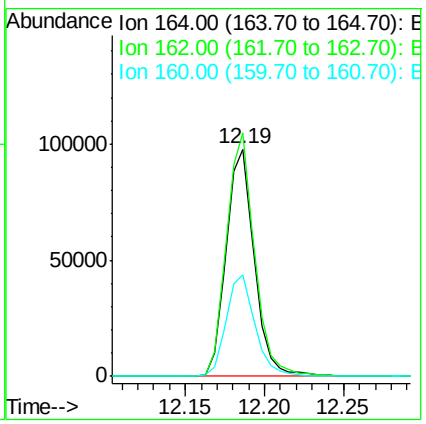


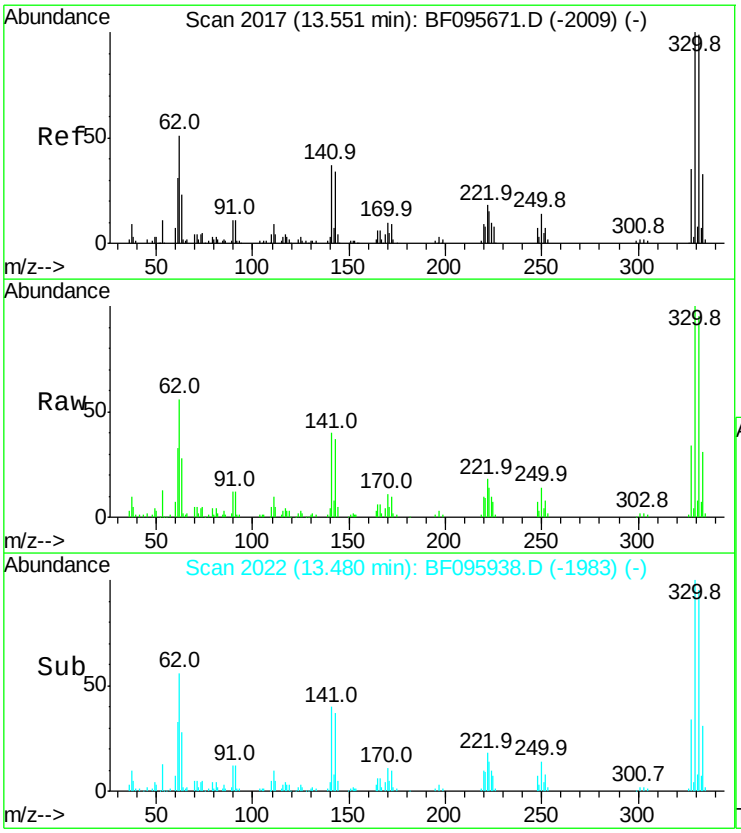

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:164 Resp: 120098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.3 | 82.6 | 123.8 |
| 160 | 44.7 | 36.2 | 54.2 |

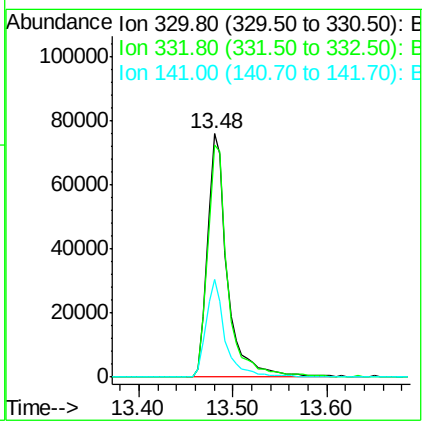


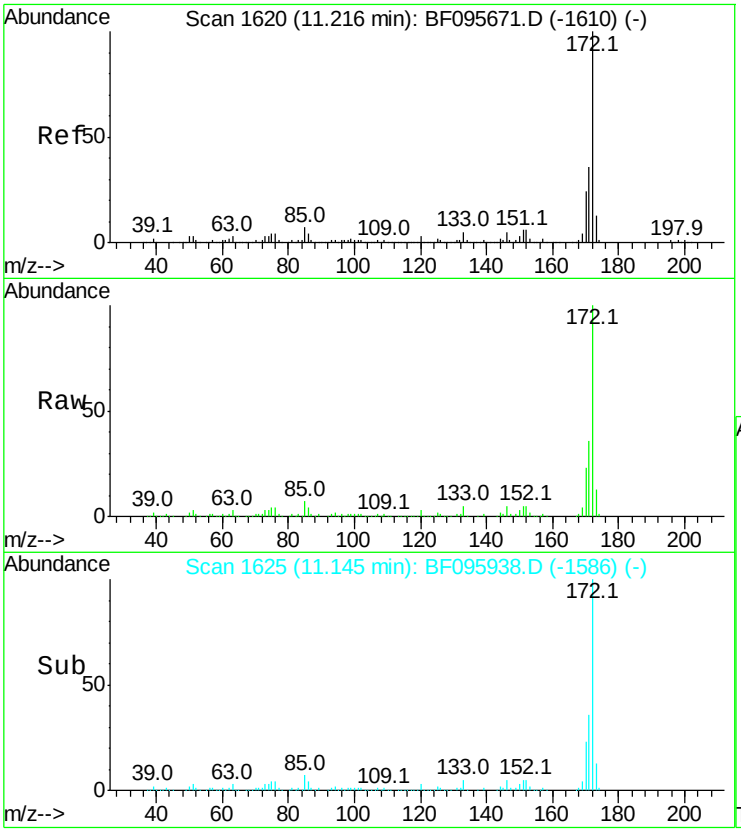




#41
2,4,6-Tribromophenol
Concen: 106.86 ng
RT: 13.48 min Scan# 2022
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:330 Resp: 113549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.6 | 115.0 |
| 141 | 38.4 | 31.4 | 47.2 |



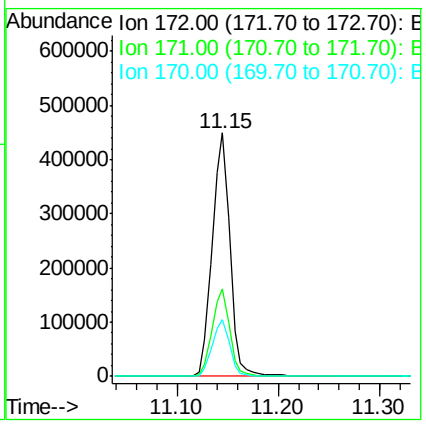


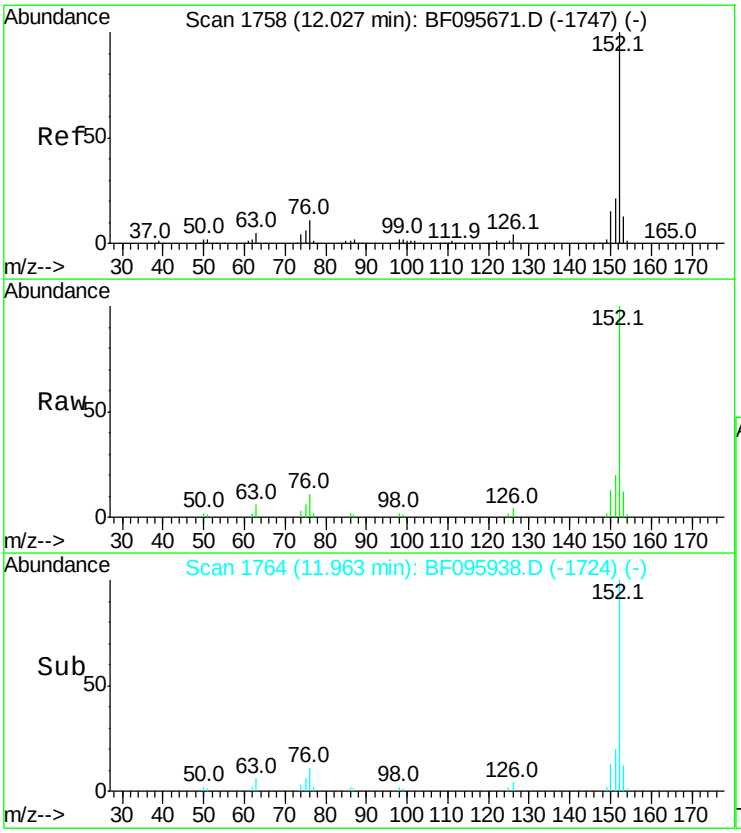

#44
2-Fluorobiphenyl
Concen: 63.85 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:172 Resp: 551012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 29.6 | 44.4 |
| 170 | 23.3 | 19.8 | 29.8 |

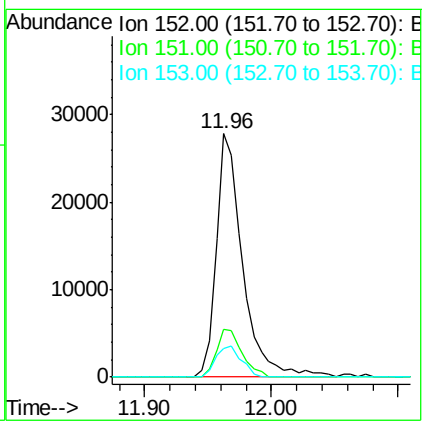


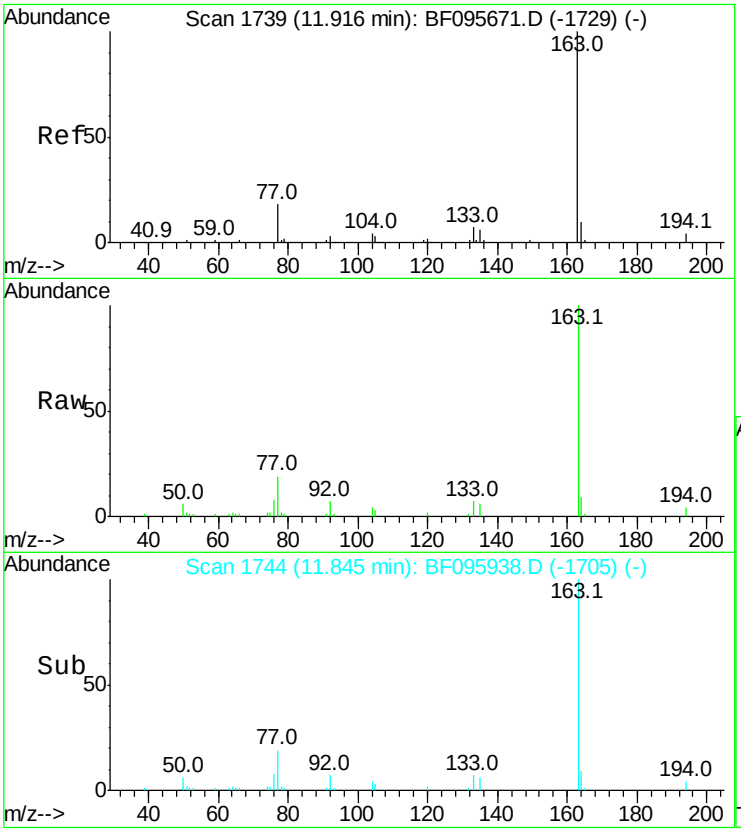




#48
Acenaphthylene
Concen: 3.05 ng
RT: 11.96 min Scan# 1764
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:152 Resp: 40339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 16.8 | 25.2 |
| 153 | 11.9 | 10.8 | 16.2 |



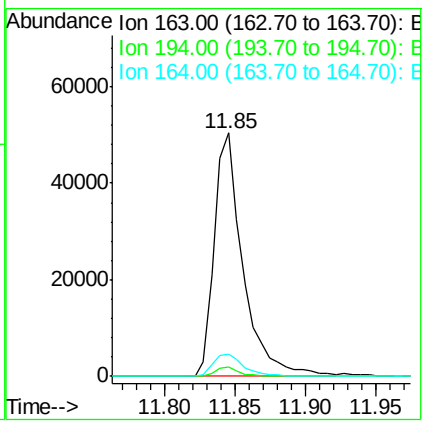


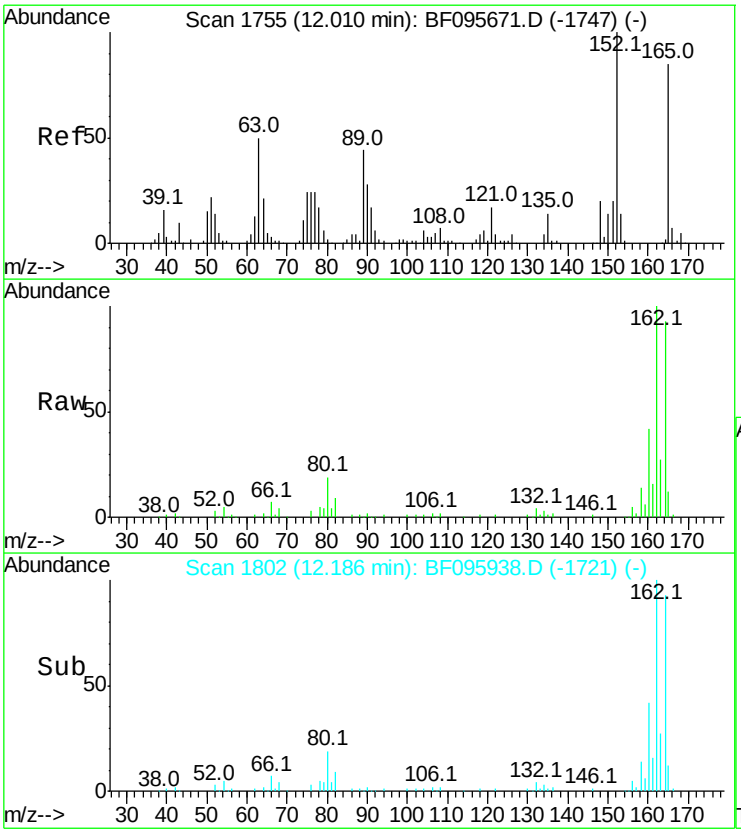

#49
Dimethylphthalate
Concen: 7.83 ng
RT: 11.85 min Scan# 1744
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:163 Resp: 71416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.6 | 4.0 |
| 164 | 9.1 | 8.4 | 12.6 |

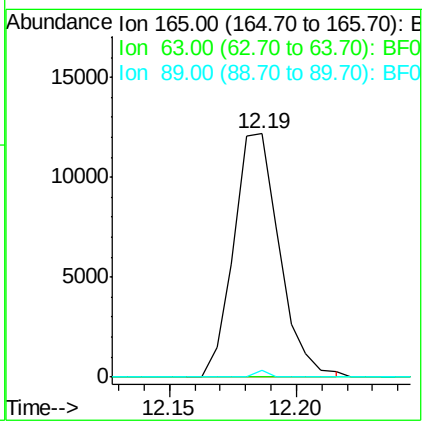


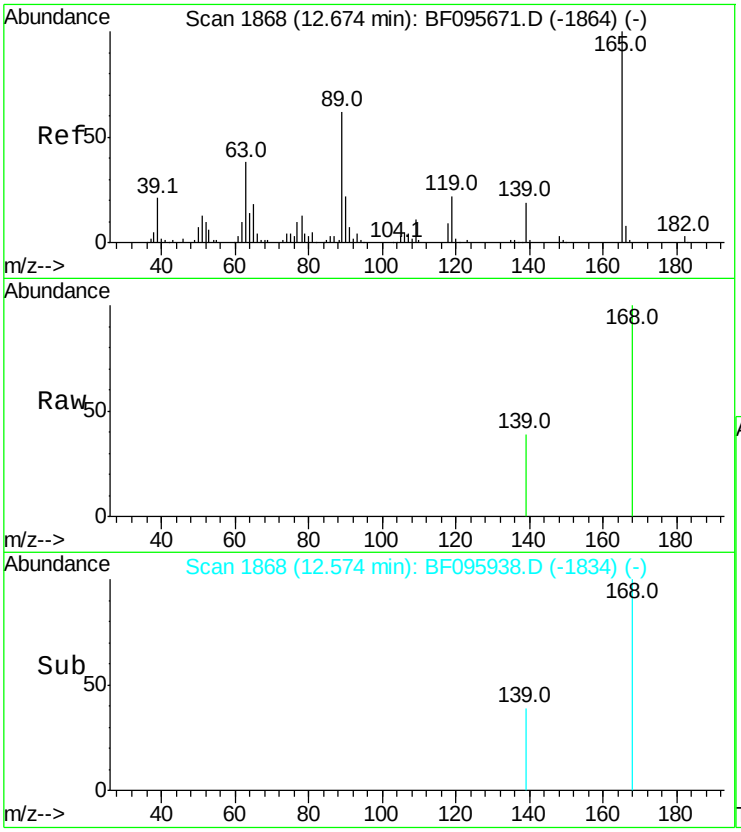




#50
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 12.19 min Scan# 1802
Delta R.T. 0.18 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:165 Resp: 15316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 34.3 | 51.5# |
| 89 | 3.0 | 37.1 | 55.7# |



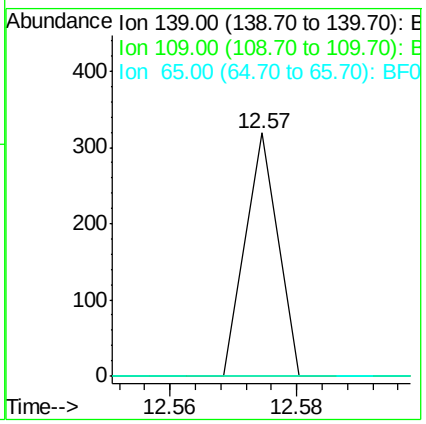


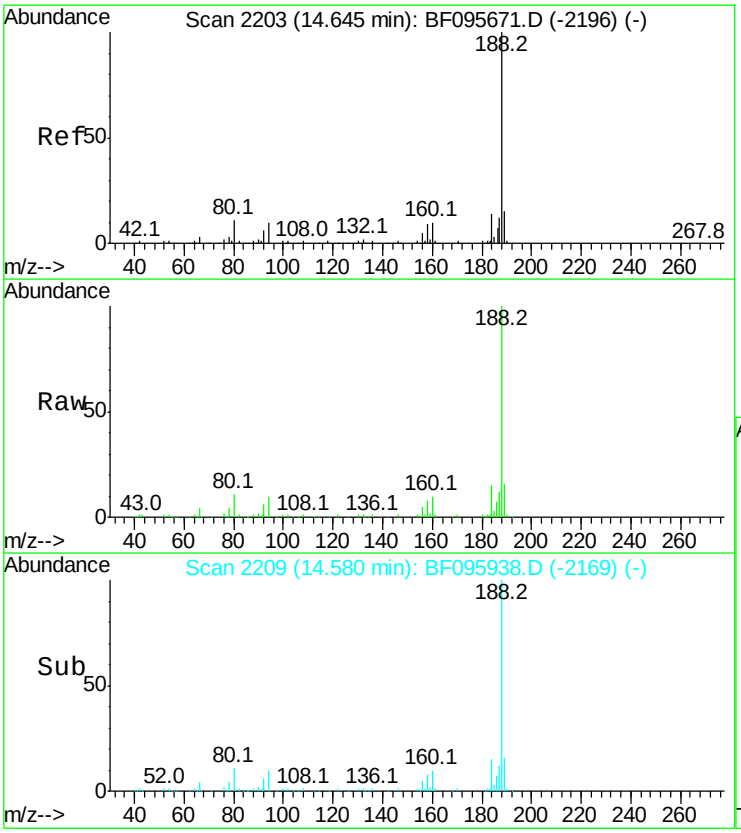

#55
4-Nitrophenol
Concen: 4.71 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:139 Resp: 113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 34.1 | 74.1# |
| 65 | 0.0 | 31.4 | 71.4# |

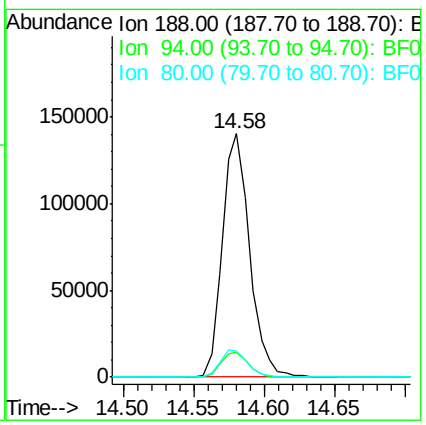


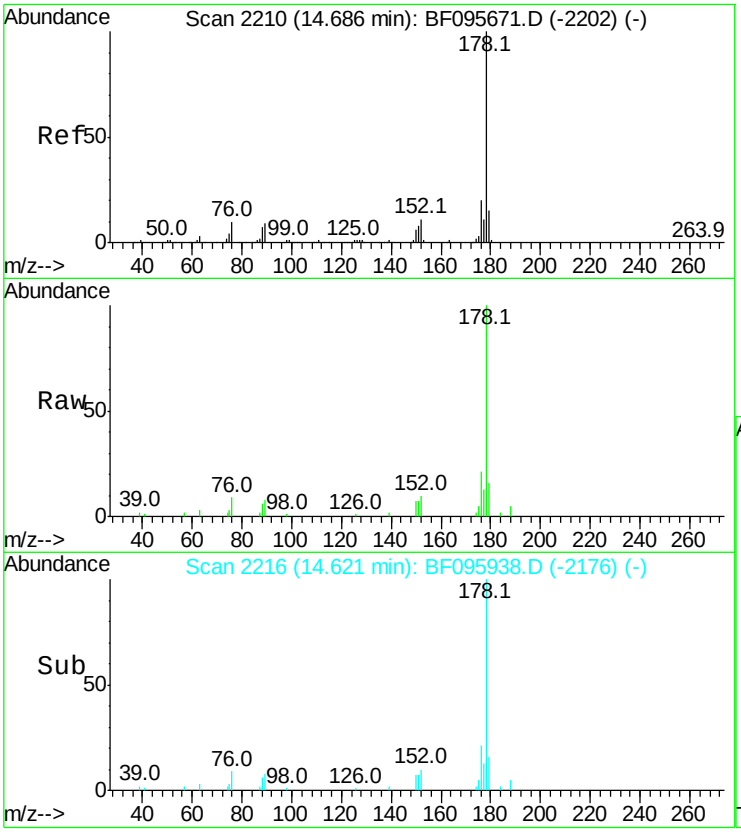




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:188 Resp: 188177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 9.4 | 14.2 |
| 80 | 10.7 | 10.2 | 15.2 |



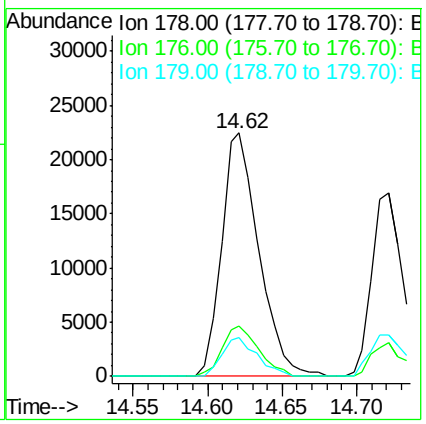


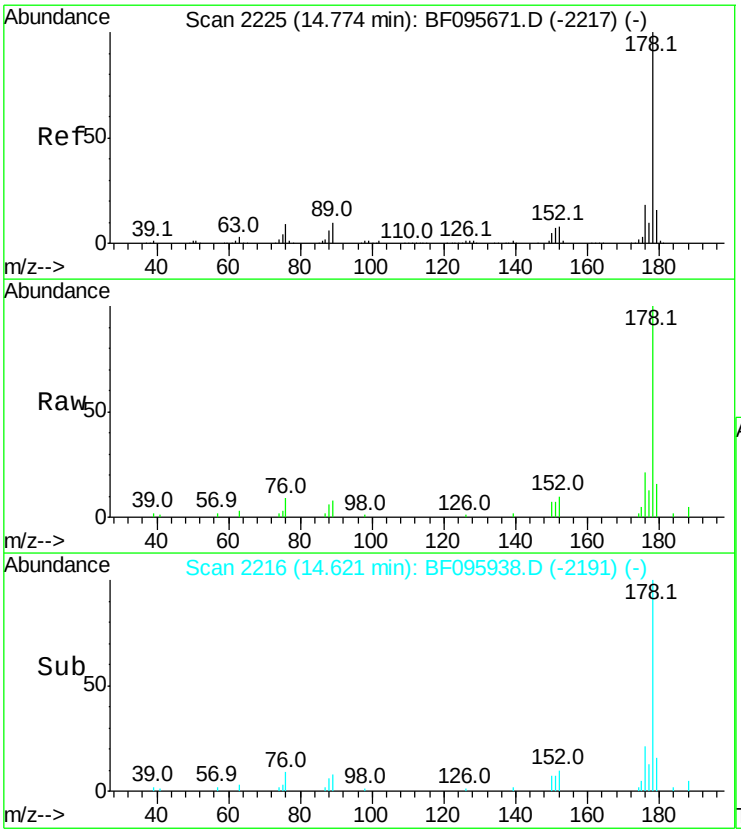

#70
Phenanthrene
Concen: 3.60 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:178 Resp: 39078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 16.2 | 24.4 |
| 179 | 16.1 | 12.6 | 19.0 |

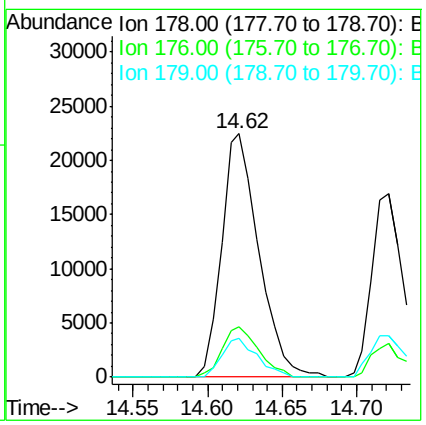


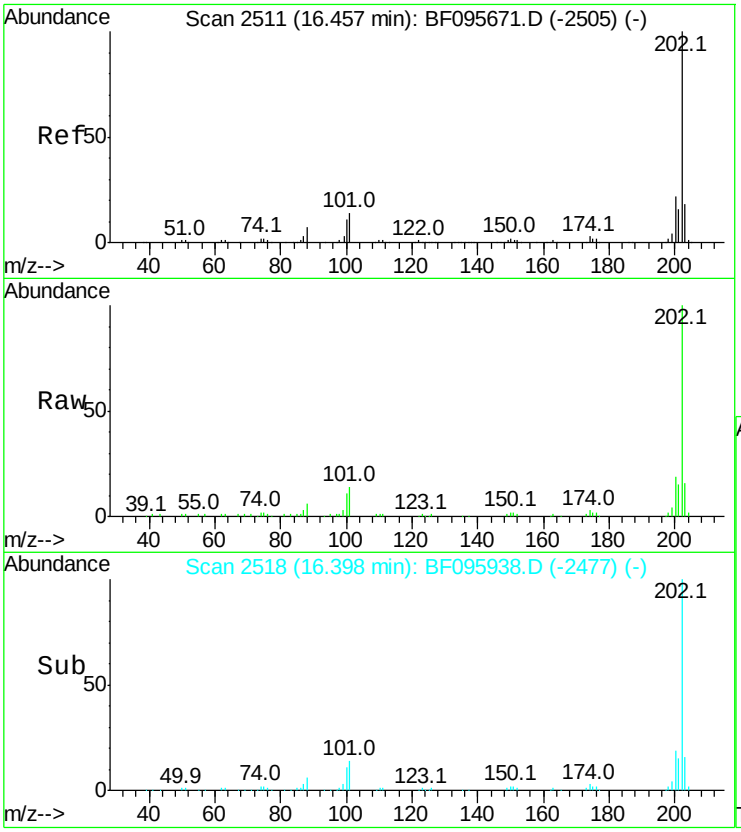




#71
Anthracene
Concen: 3.45 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.15 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:178 Resp: 39078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 15.8 | 23.8 |
| 179 | 16.1 | 12.7 | 19.1 |



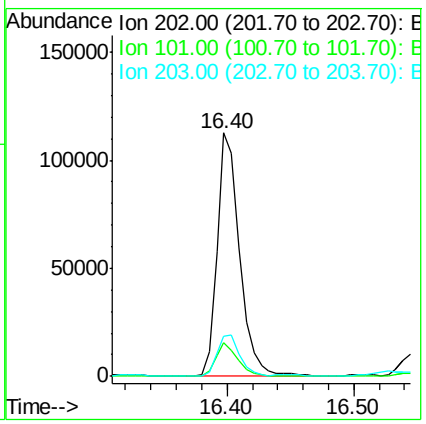


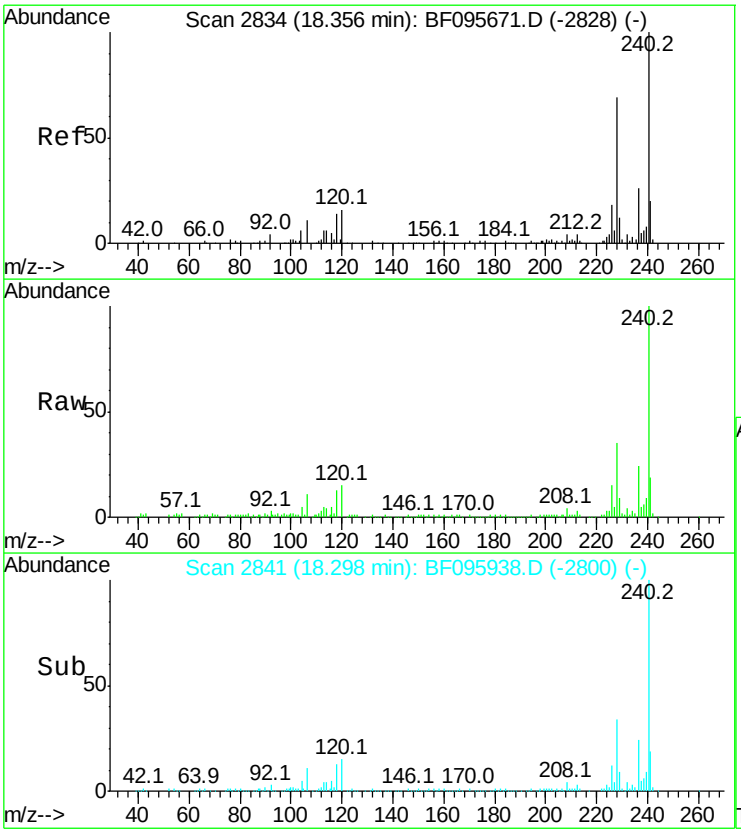

#74
Fluoranthene
Concen: 12.97 ng
RT: 16.40 min Scan# 2518
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:202 Resp: 139399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 0.0 | 33.2 |
| 203 | 16.3 | 0.0 | 38.1 |

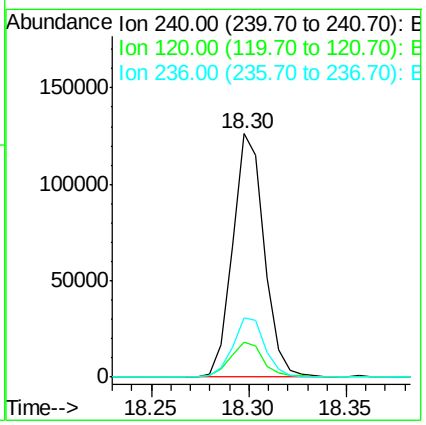


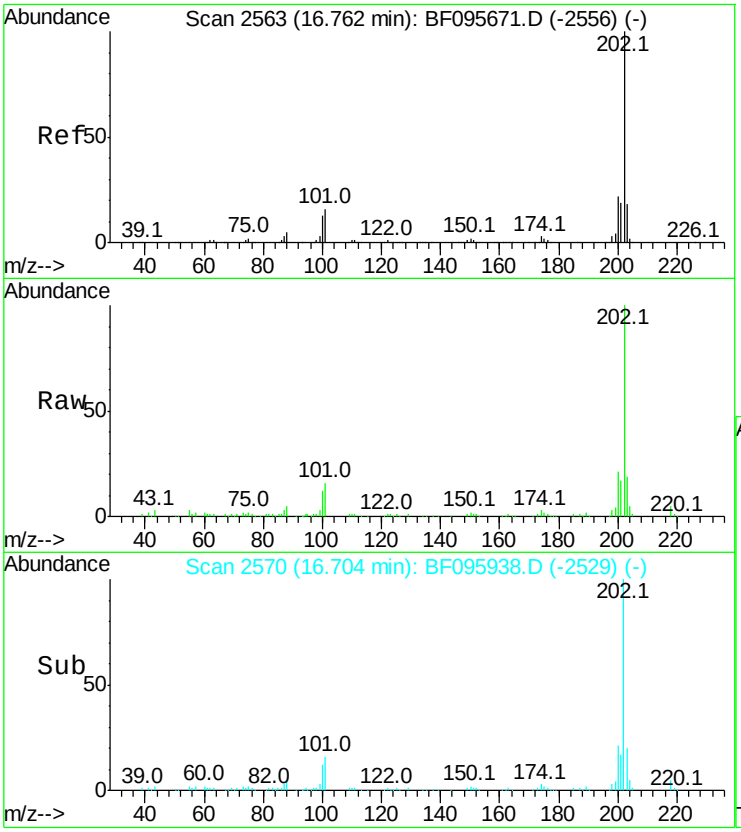




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.30 min Scan# 2841
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:240 Resp: 140840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.5 | 5.8 | 8.8# |
| 236 | 24.2 | 20.5 | 30.7 |



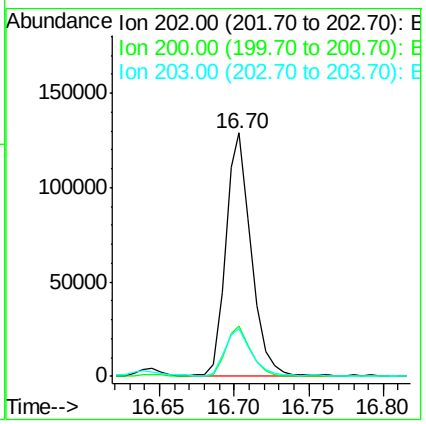


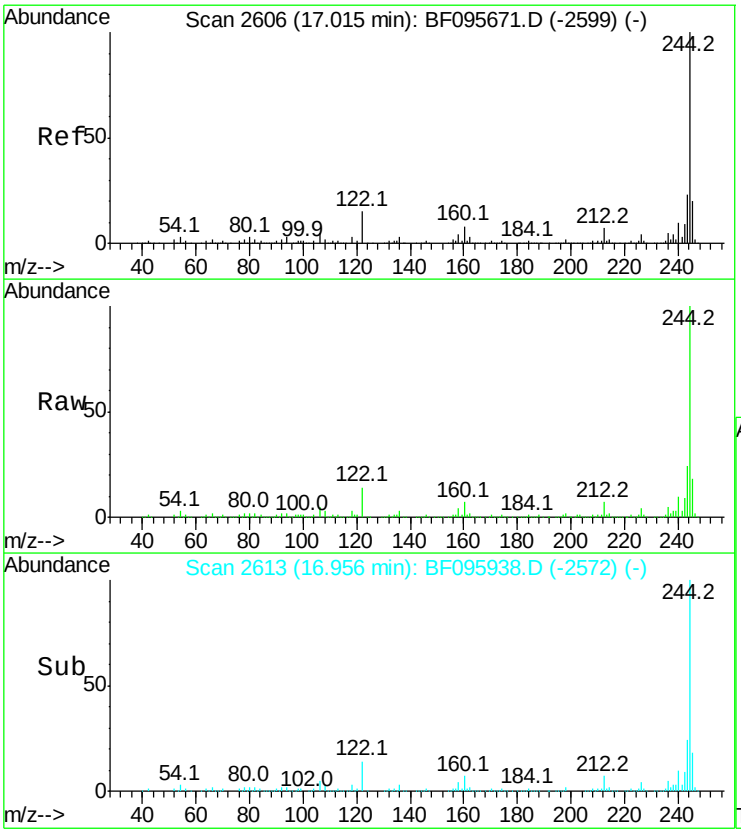

#77
Pyrene
Concen: 14.54 ng
RT: 16.70 min Scan# 2570
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:202 Resp: 152842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.6 | 26.4 |
| 203 | 19.5 | 14.4 | 21.6 |

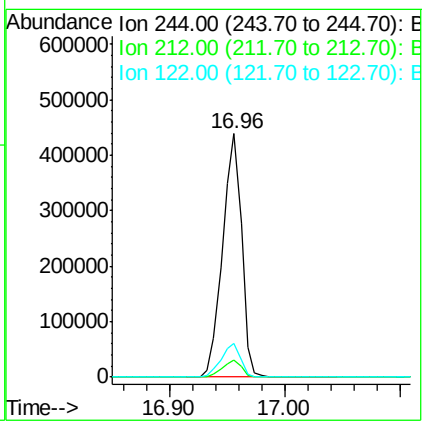


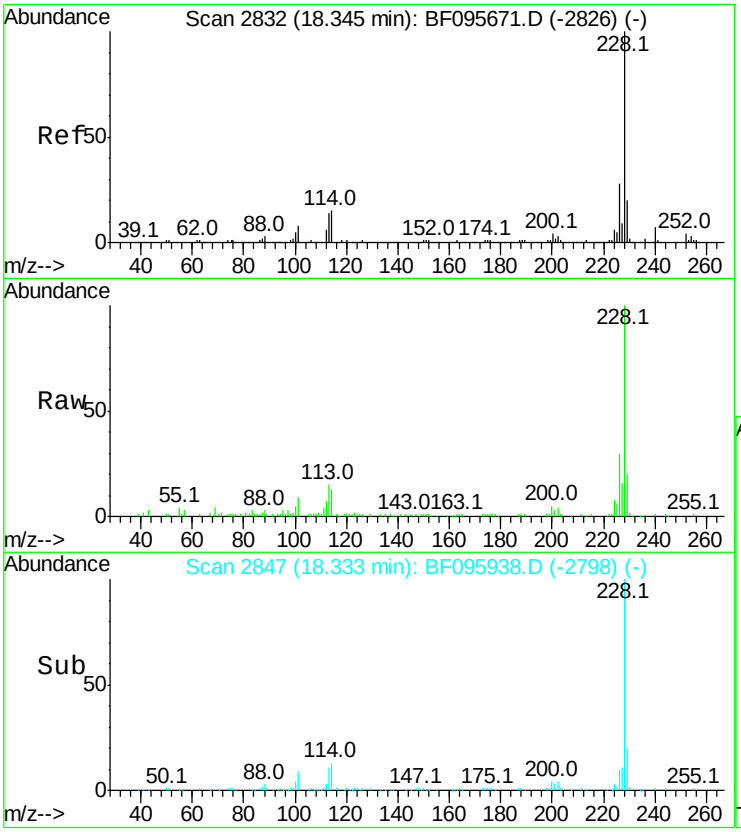




#78
Terphenyl-d14
Concen: 87.98 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:244 Resp: 499302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.0 | 9.0 |
| 122 | 13.7 | 10.3 | 15.5 |



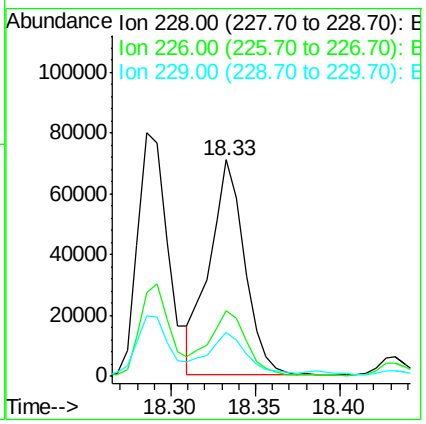


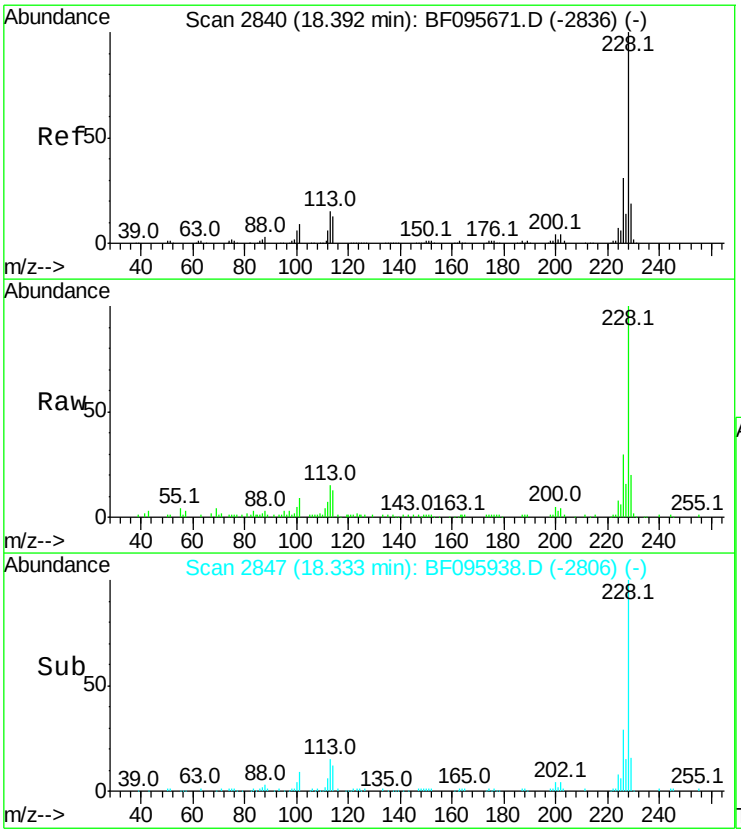

#80
Benzo(a)anthracene
Concen: 12.63 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:228 Resp: 103388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 22.6 | 33.8 |
| 229 | 20.3 | 16.3 | 24.5 |

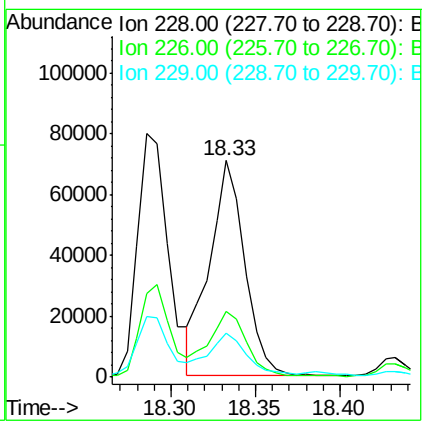


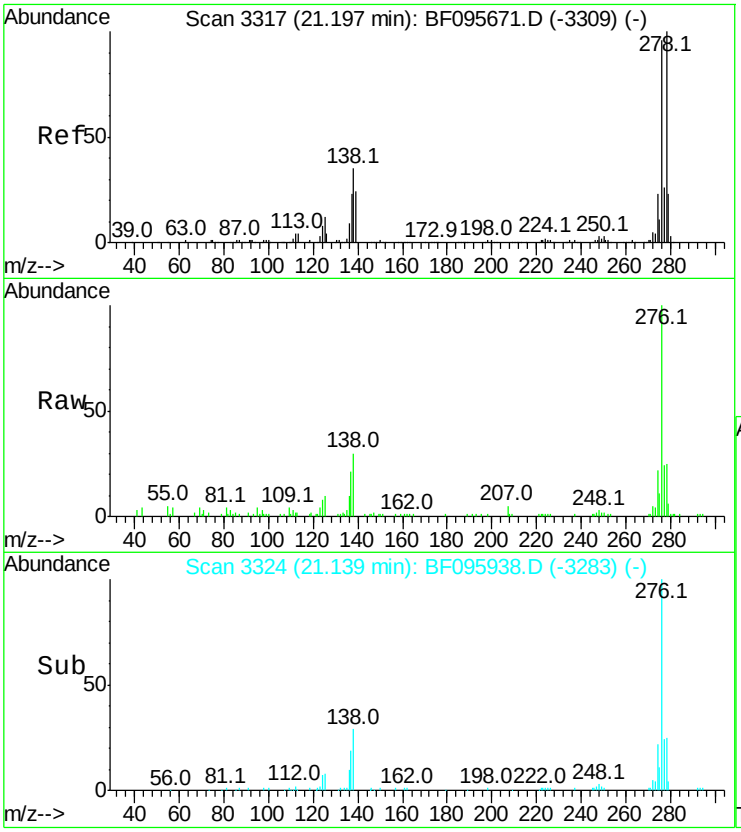




#82
Chrysene
Concen: 12.63 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:228 Resp: 103388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.9 | 37.3 |
| 229 | 20.3 | 15.8 | 23.6 |



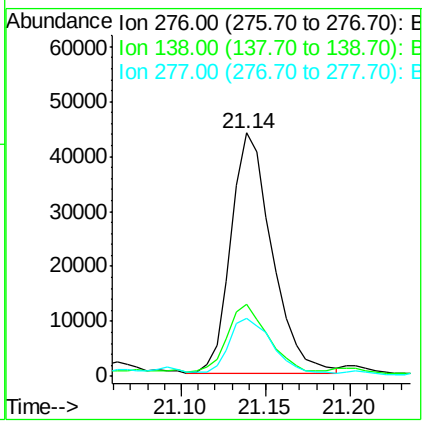


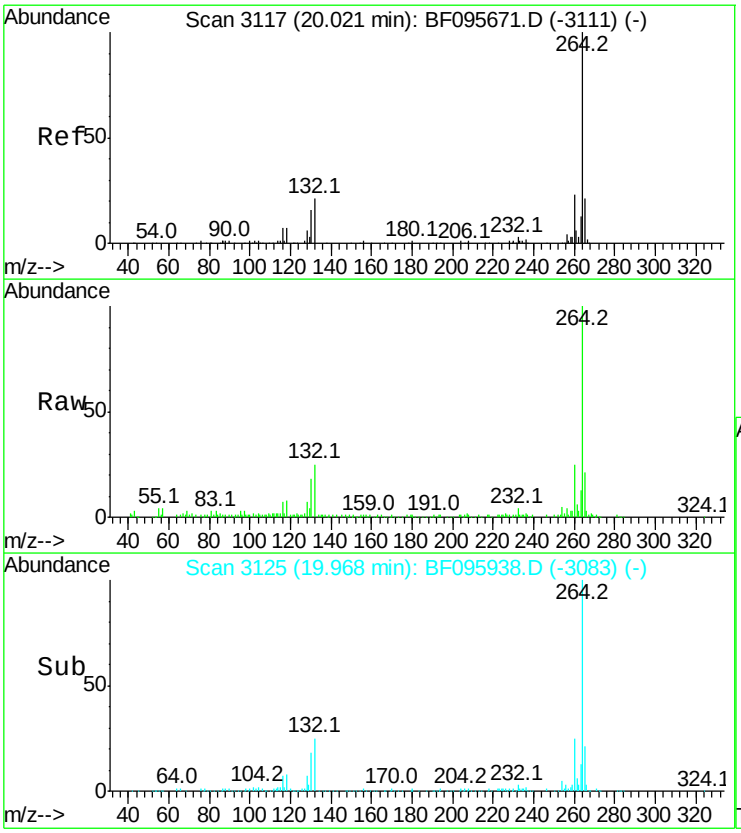

#85
Indeno(1,2,3-cd)pyrene
Concen: 10.62 ng
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:276 Resp: 74364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 27.8 | 41.6# |
| 277 | 25.2 | 20.2 | 30.4 |

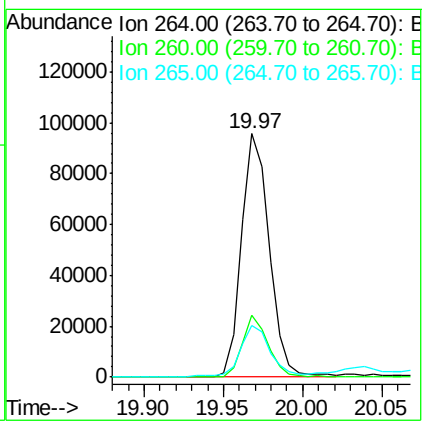


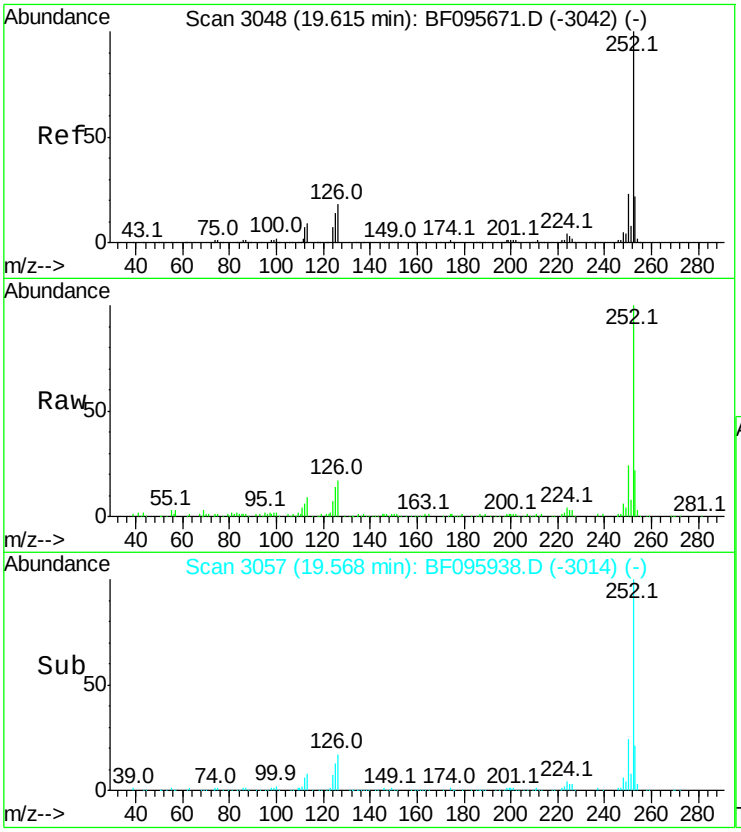




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3125
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:264 Resp: 117369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 19.5 | 29.3 |
| 265 | 21.2 | 17.2 | 25.8 |



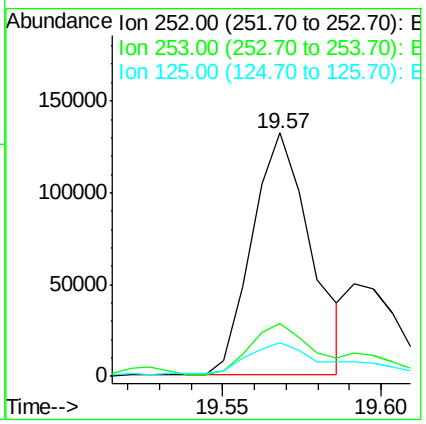


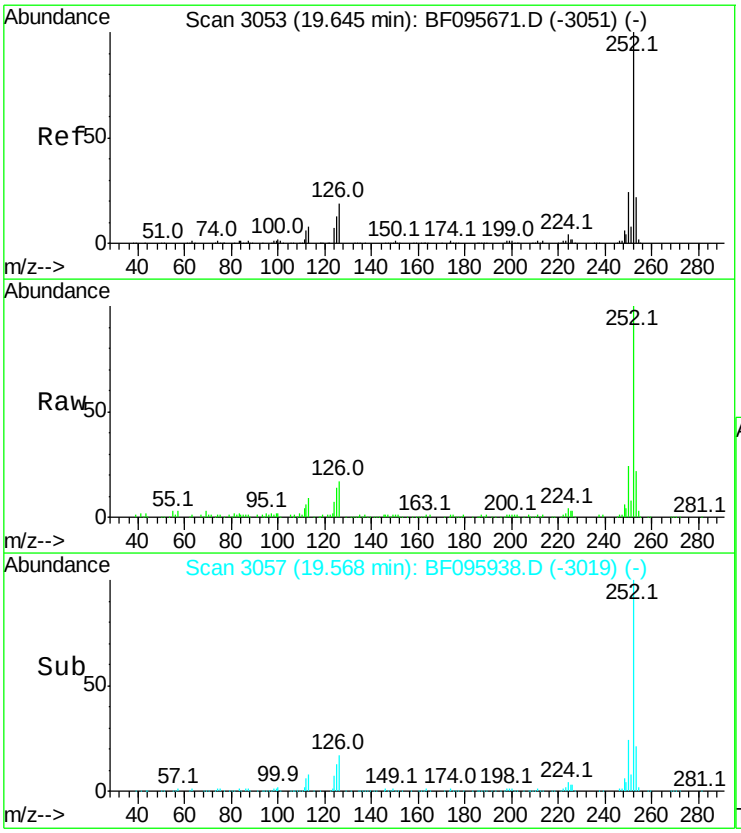

#87
Benzo(b)fluoranthene
Concen: 23.20 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:252 Resp: 170502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.1 | 27.1 |
| 125 | 13.9 | 9.8 | 14.8 |

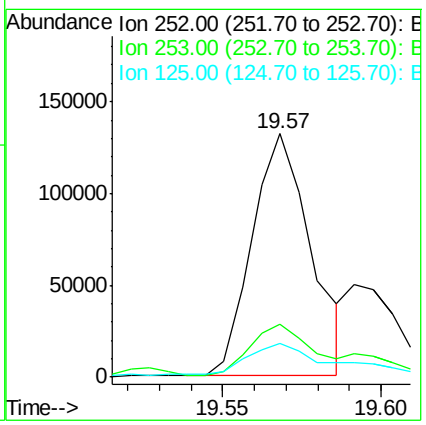


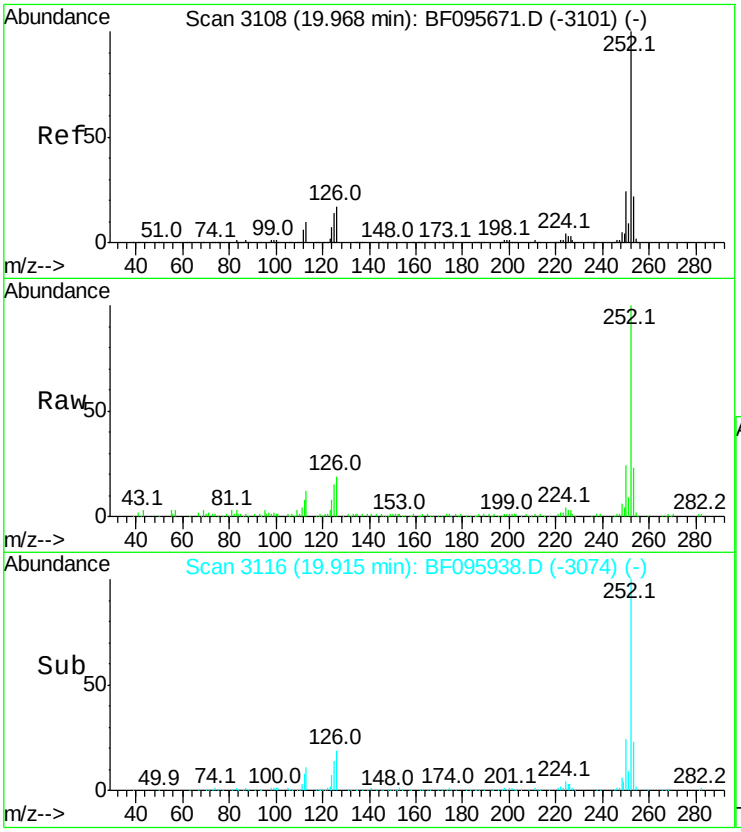




#88
Benzo(k)fluoranthene
Concen: 24.27 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.08 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:252 Resp: 170502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.4 | 27.6 |
| 125 | 13.9 | 13.1 | 19.7 |



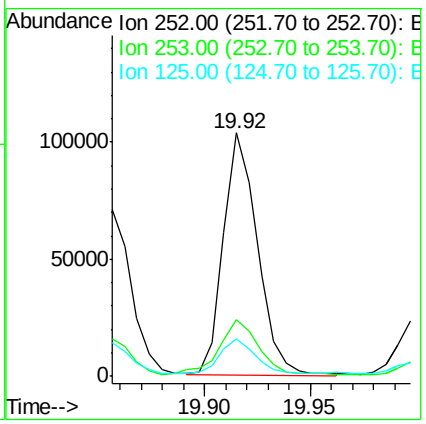


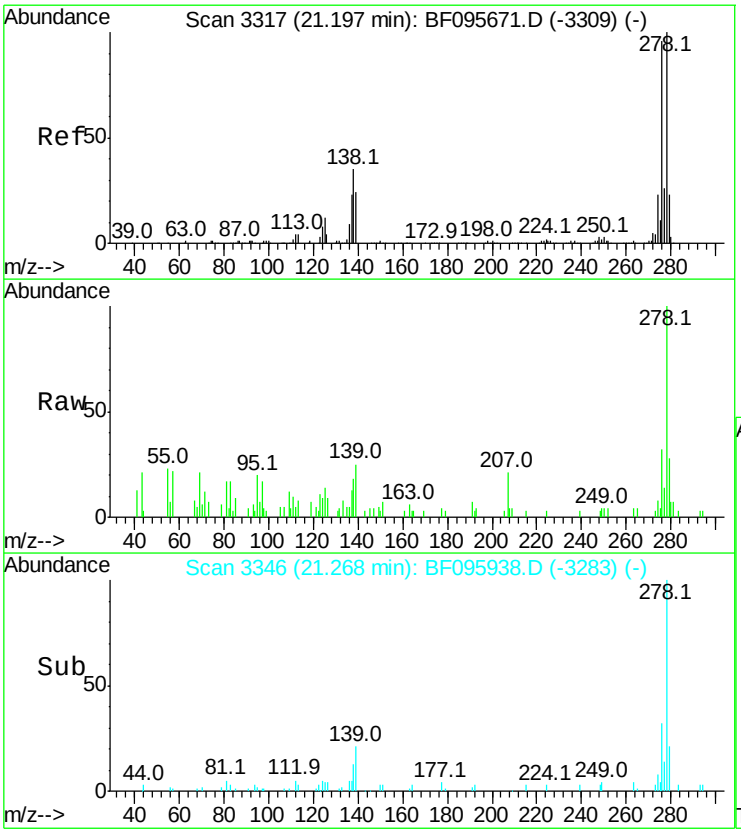

#89
Benzo(a)pyrene
Concen: 17.15 ng
RT: 19.92 min Scan# 3116
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:252 Resp: 115842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.5 | 26.3 |
| 125 | 15.4 | 11.0 | 16.4 |

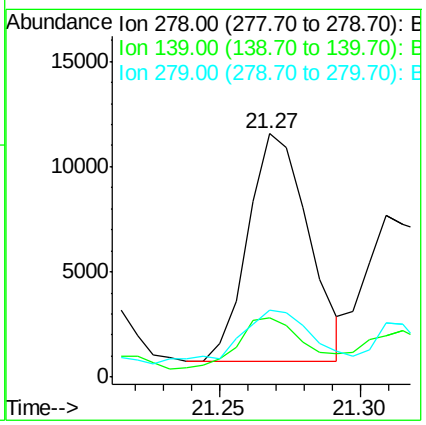


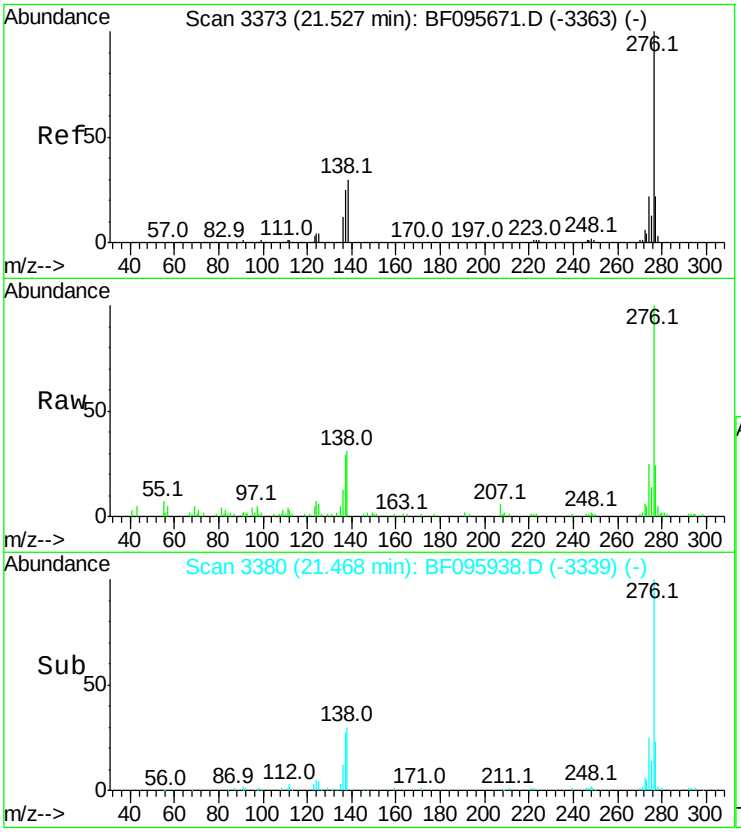




#90
Dibenzo(a,h)anthracene
Concen: 2.81 ng
RT: 21.27 min Scan# 3346
Delta R.T. 0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:278 Resp: 16107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 24.6 | 16.6 | 24.8 |
| 279 | 27.7 | 19.3 | 28.9 |






#91
Benzo(g,h,i)perylene
Concen: 12.05 ng
RT: 21.47 min Scan# 3380
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

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

Tgt Ion:276 Resp: 70411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 18.6 | 28.0 |
| 138 | 30.8 | 25.4 | 38.0 |