Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095652.D
Acq On : 3 Jun 2017 00:54
Operator : SJ/MA
Sample : I3441-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 05 04:59:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 18:51:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.54 | 152 | 93804 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.57 | 136 | 367765 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.40 | 164 | 146258 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.80 | 188 | 209960 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.50 | 240 | 173880 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.17 | 264 | 123709 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 99811 | 17.74 | ng | | 0.03 |
| 7) Phenol-d6 | 7.12 | 99 | 133891 | 19.83 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 8.46 | 82 | 72376 | 12.41 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.70 | 330 | 20218 | 16.88 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.35 | 172 | 165046 | 16.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.14 | 244 | 96806 | 12.26 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 48) Acenaphthylene | 12.17 | 152 | 83302 | 5.35 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.40 | 165 | 19681 | 8.03 | ng | # | 31 |
| 57) Fluorene | 13.30 | 166 | 33872 | 3.03 | ng | # | 92 |
| 70) Phenanthrene | 14.84 | 178 | 308429 | 25.57 | ng | | 97 |
| 71) Anthracene | 14.93 | 178 | 66783 | 5.42 | ng | | 97 |
| 74) Fluoranthene | 16.60 | 202 | 195782 | 15.82 | ng | | 98 |
| 76) Benzidine | 16.84 | 184 | 114 | 6.61 | ng | # | 62 |
| 77) Pyrene | 16.90 | 202 | 306471 | 23.57 | ng | | 99 |
| 80) Benzo(a)anthracene | 18.53 | 228 | 117666 | 11.63 | ng | | 94 |
| 82) Chrysene | 18.53 | 228 | 117666 | 12.03 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 21.43 | 276 | 28165 | 3.54 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 19.77 | 252 | 97161 | 12.71 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 19.77 | 252 | 97161 | 13.18 | ng | | 98 |
| 89) Benzo(a)pyrene | 20.12 | 252 | 65549 | 9.29 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 21.79 | 276 | 32191 | 5.63 | ng | # | 88 |

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

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Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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Acq On : 3 Jun 2017 00:54
Operator : SJ/MA
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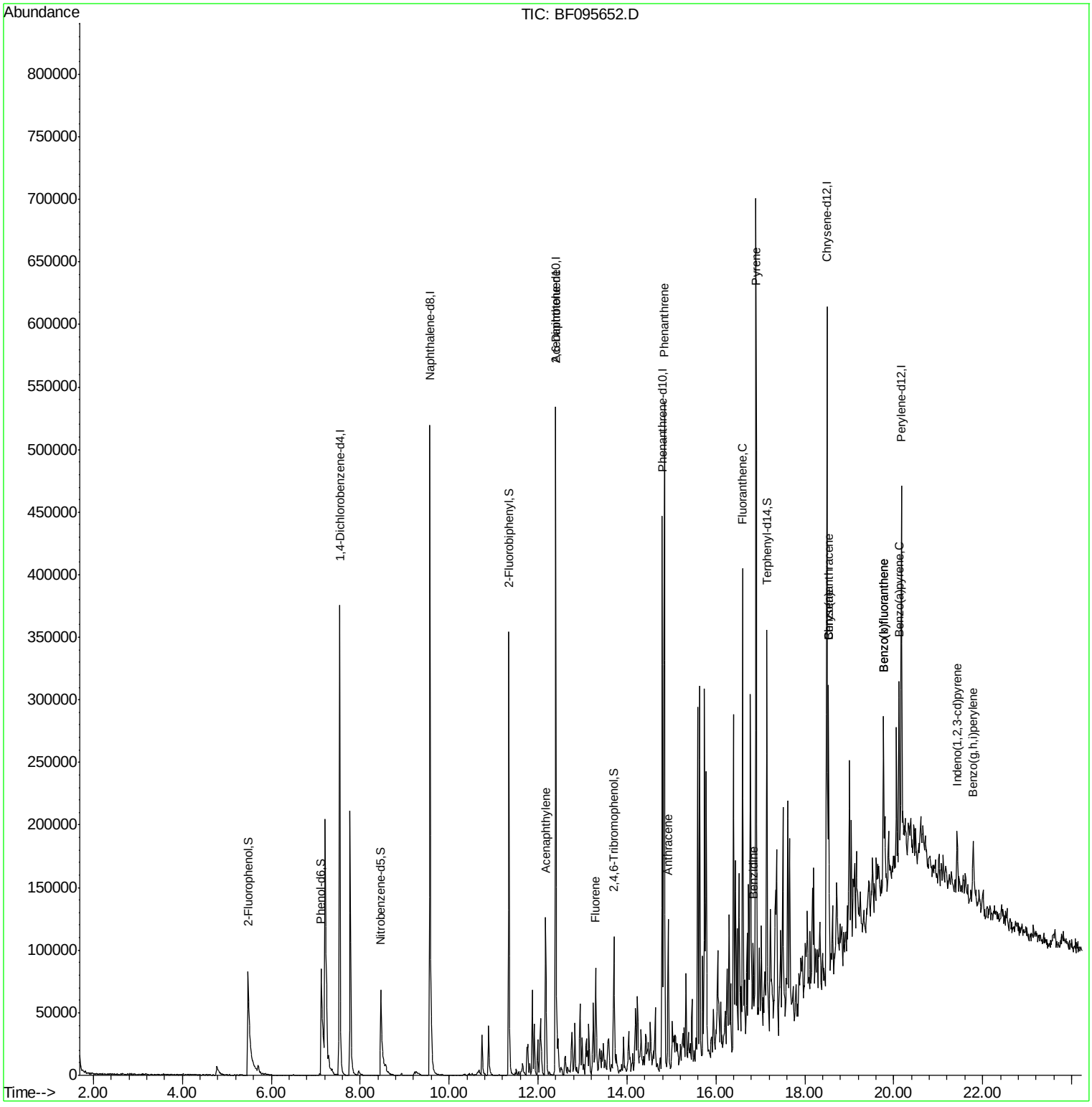
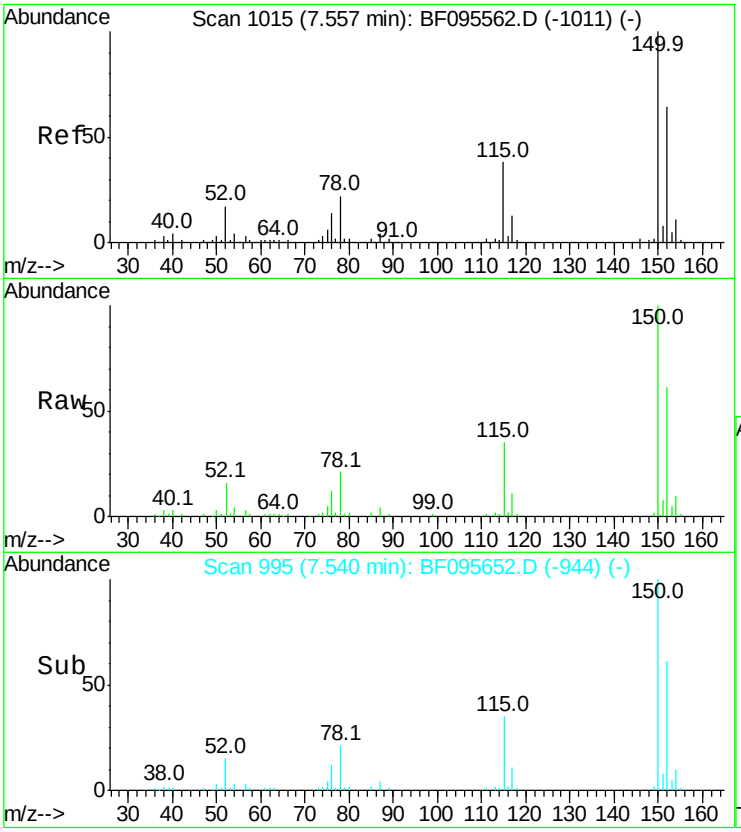
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 05 04:59:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 18:51:16 2017
Response via : Initial Calibration



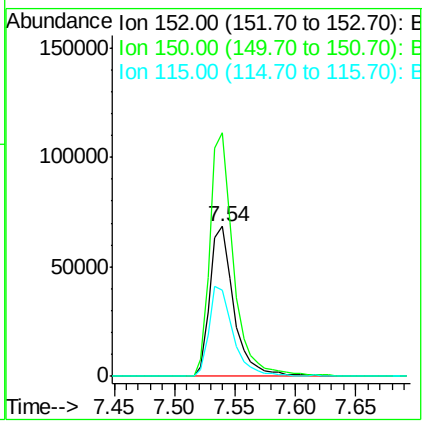


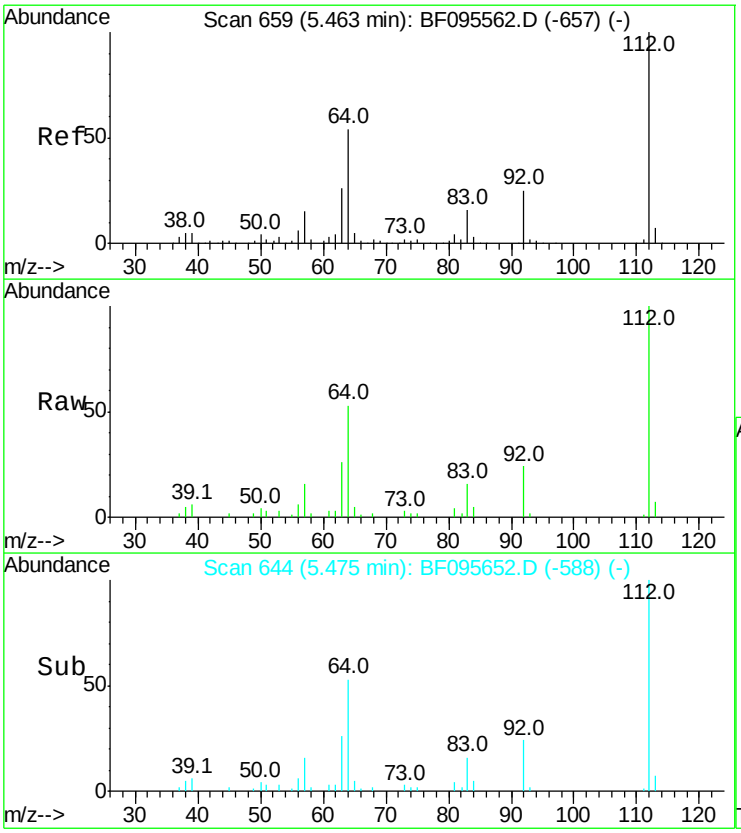

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:152 Resp: 93804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.8 | 126.2 | 189.2 |
| 115 | 57.2 | 52.2 | 78.2 |

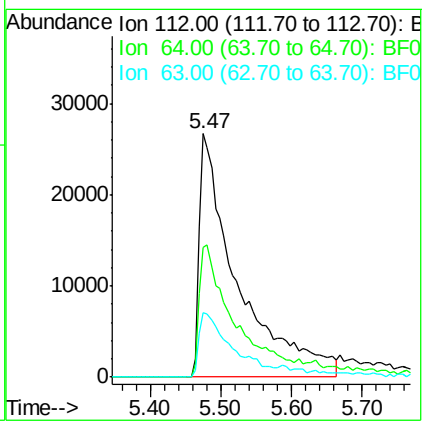


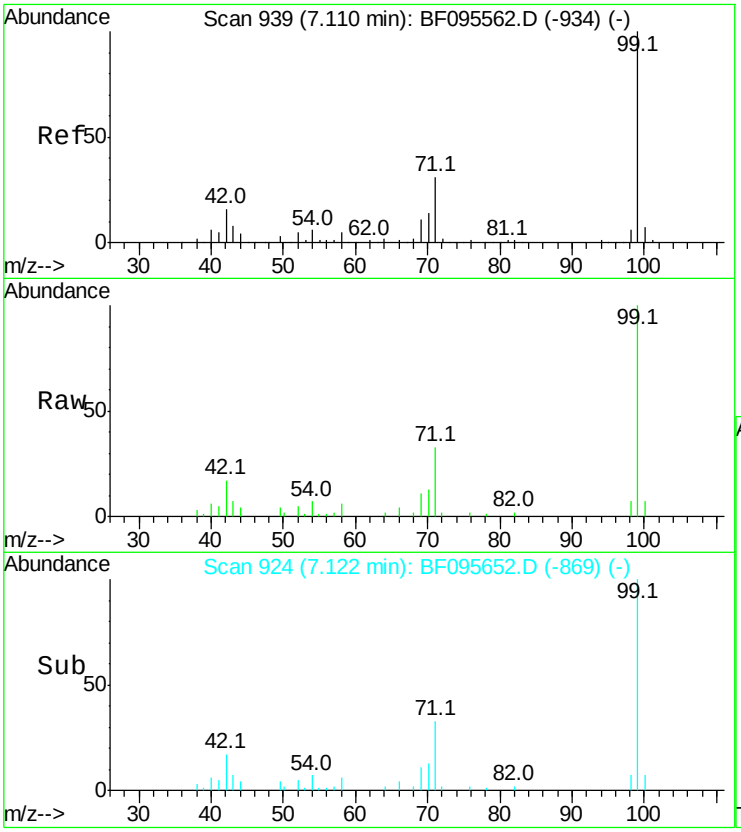




#5
2-Fluorophenol
Concen: 17.74 ng
RT: 5.47 min Scan# 644
Delta R.T. 0.03 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:112 Resp: 99811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.4 | 46.0 | 69.0 |
| 63 | 26.3 | 23.4 | 35.0 |

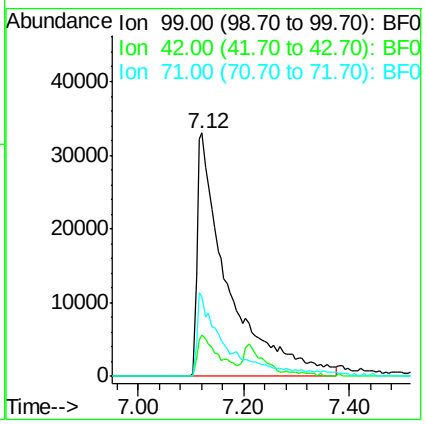




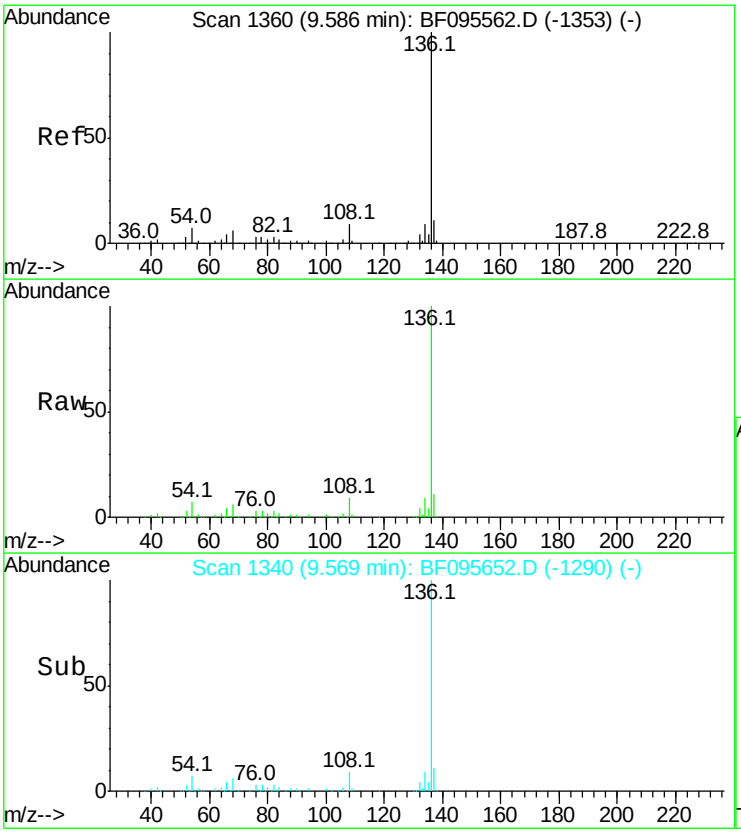

#7
Phenol-d6
Concen: 19.83 ng
RT: 7.12 min Scan# 924
Delta R.T. 0.02 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion: 99 Resp: 133891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.9 | 13.5 | 20.3 |
| 71 | 32.8 | 24.5 | 36.7 |



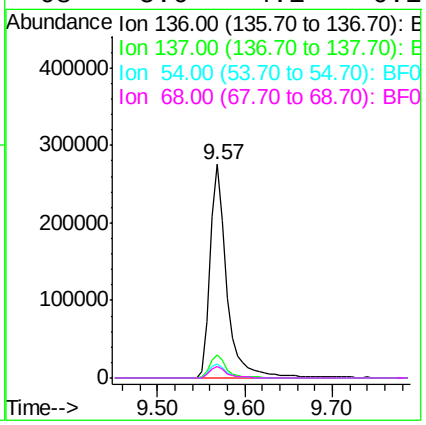

**Instrument :**
BNA_F
**ClientSampleId :**

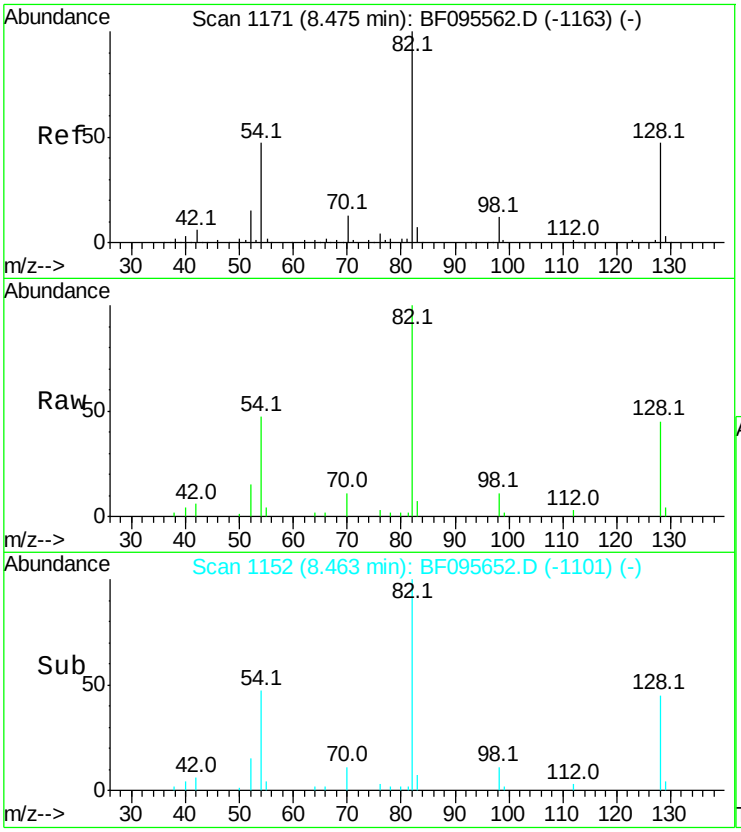



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.57 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:136 Resp: 367765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 6.6 | 4.9 | 7.3 |
| 68 | 5.6 | 4.1 | 6.1 |



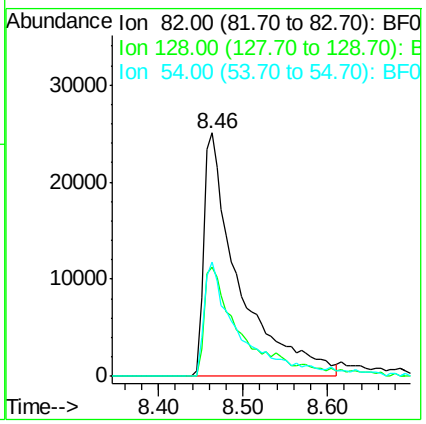


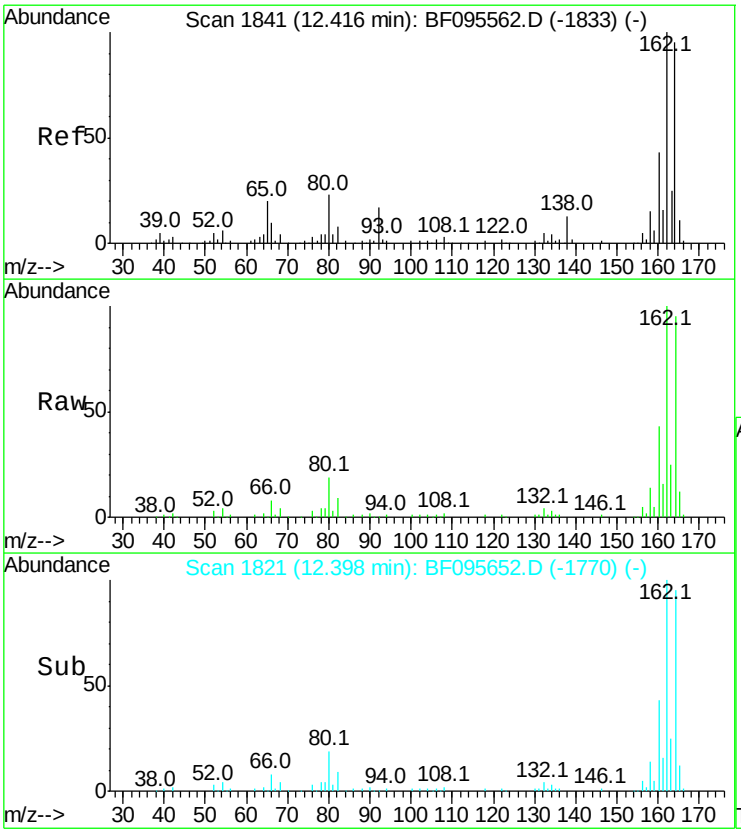

#23
Nitrobenzene-d5
Concen: 12.41 ng
RT: 8.46 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion: 82 Resp: 72376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 34.0 | 51.0 |
| 54 | 46.9 | 42.2 | 63.2 |

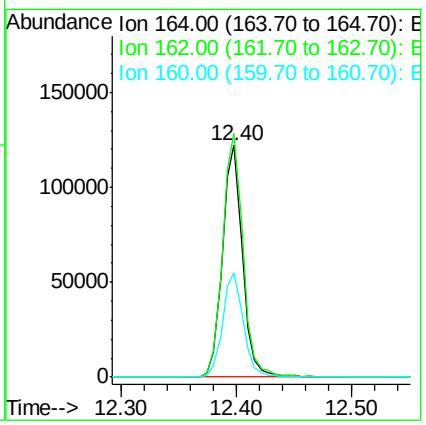


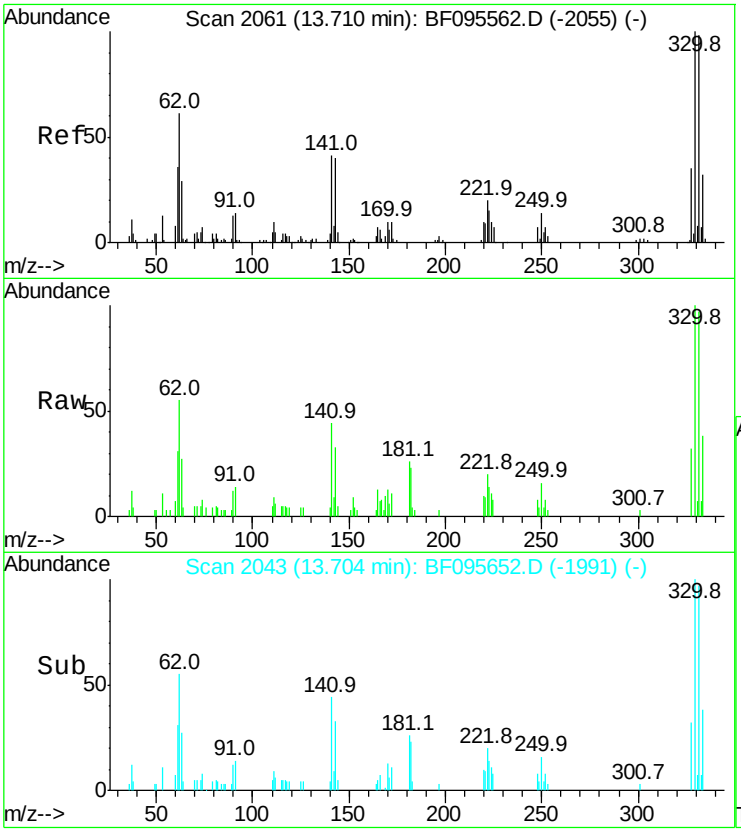




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:164 Resp: 146258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.9 | 82.6 | 123.8 |
| 160 | 44.6 | 36.2 | 54.2 |



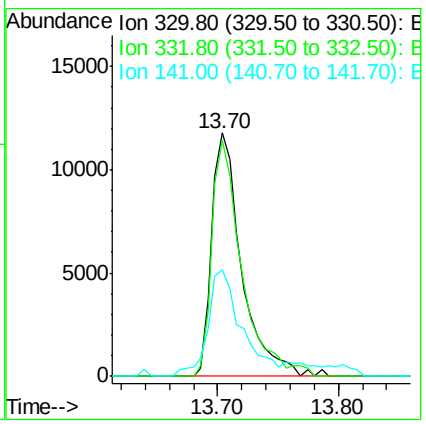


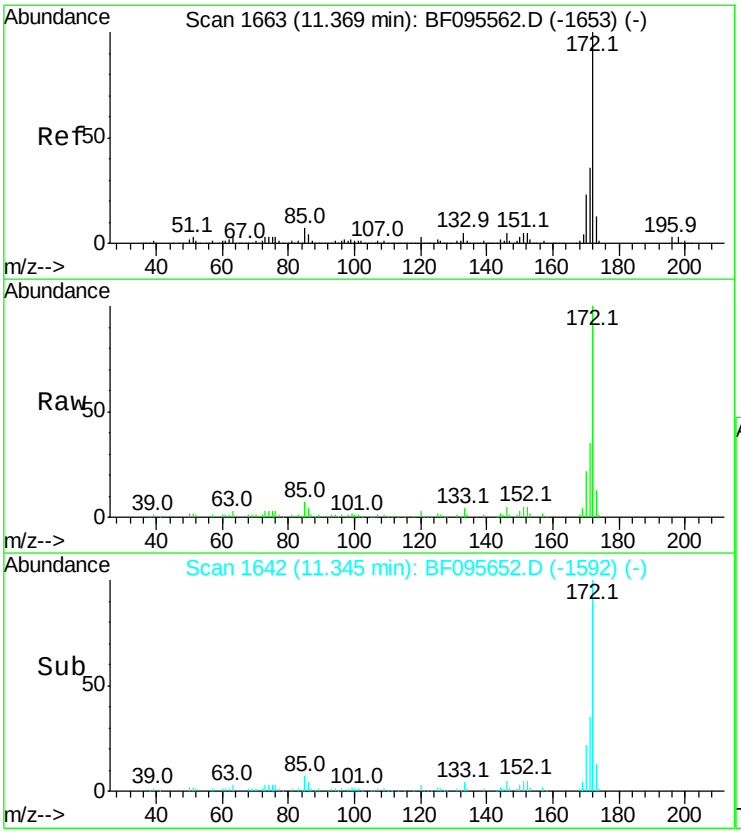

#41
2,4,6-Tribromophenol
Concen: 16.88 ng
RT: 13.70 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:330 Resp: 20218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.6 | 115.0 |
| 141 | 49.3 | 31.4 | 47.2# |

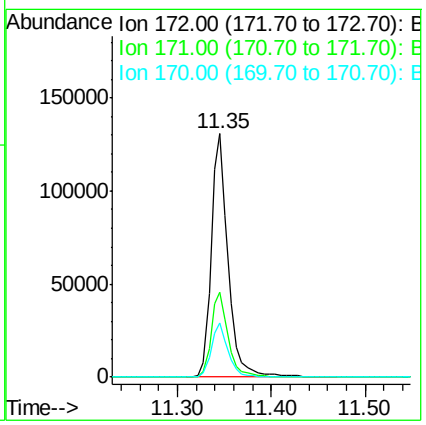


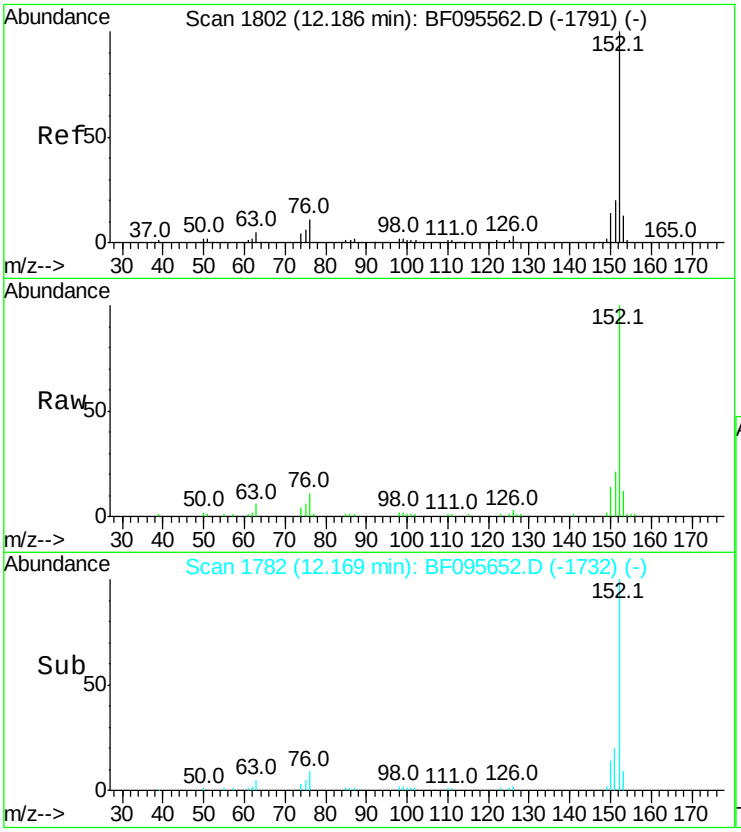




#44
2-Fluorobiphenyl
Concen: 16.24 ng
RT: 11.35 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:172 Resp: 165046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 29.6 | 44.4 |
| 170 | 22.3 | 19.8 | 29.8 |



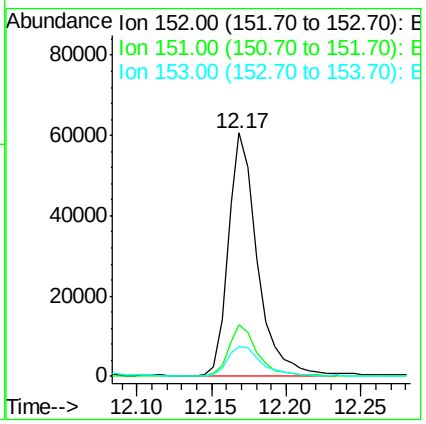


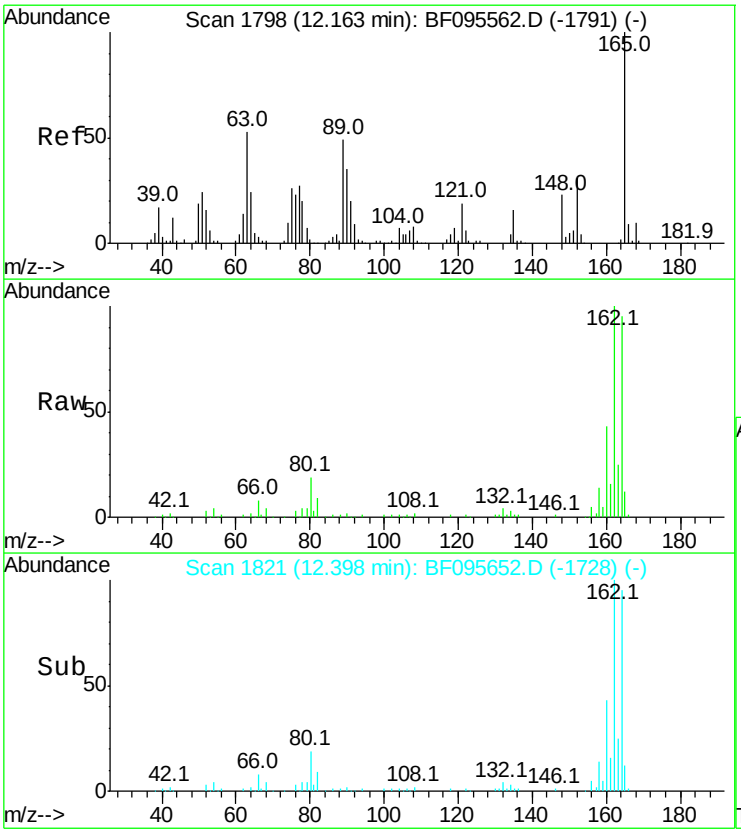

#48
Acenaphthylene
Concen: 5.35 ng
RT: 12.17 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:152 Resp: 83302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 16.8 | 25.2 |
| 153 | 12.3 | 10.8 | 16.2 |

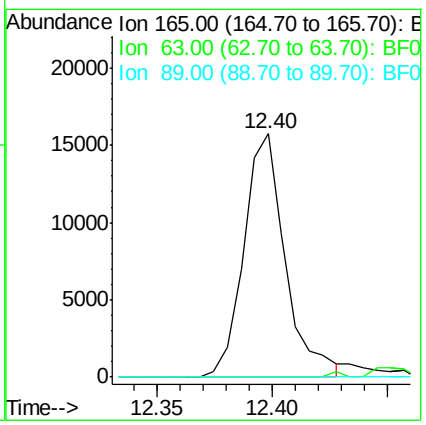


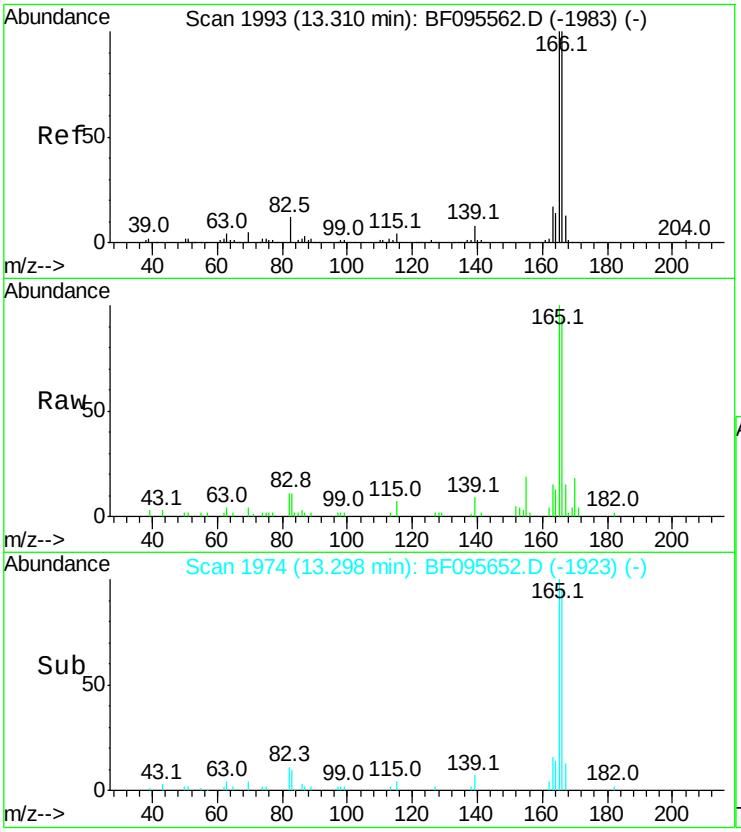




#50
2,6-Dinitrotoluene
Concen: 8.03 ng
RT: 12.40 min Scan# 1821
Delta R.T. 0.25 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:165 Resp: 19681

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



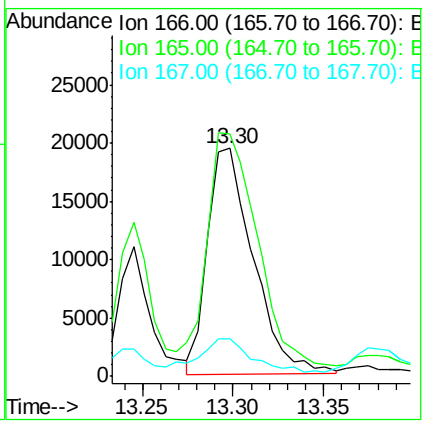


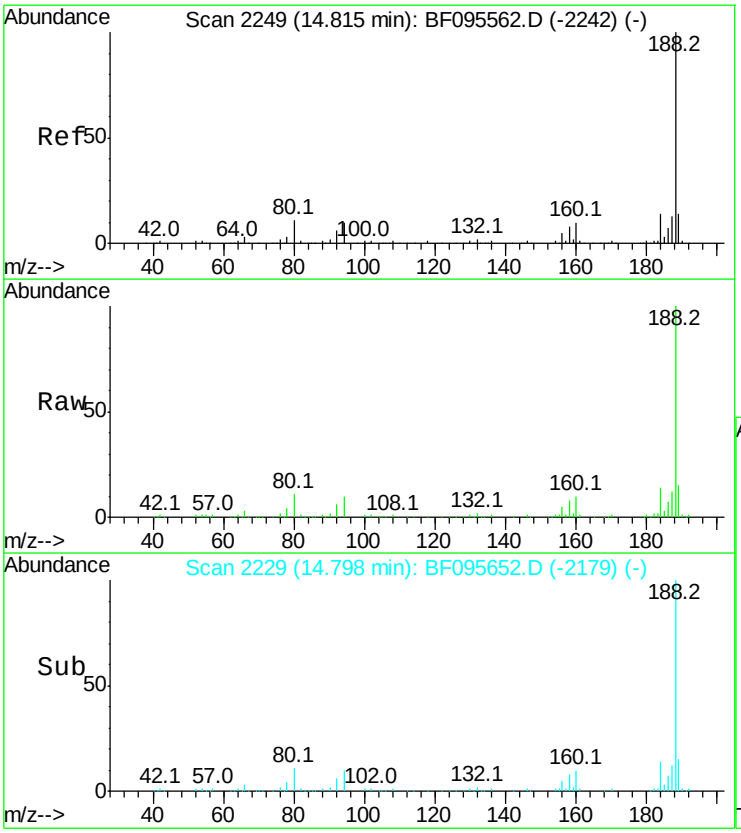

#57
Fluorene
Concen: 3.03 ng
RT: 13.30 min Scan# 1974
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:166 Resp: 33872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 106.1 | 78.8 | 118.2 |
| 167 | 16.2 | 10.6 | 16.0# |

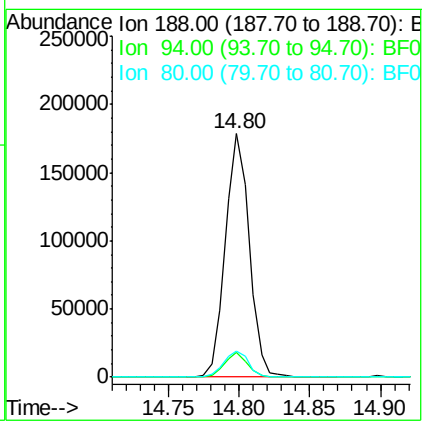


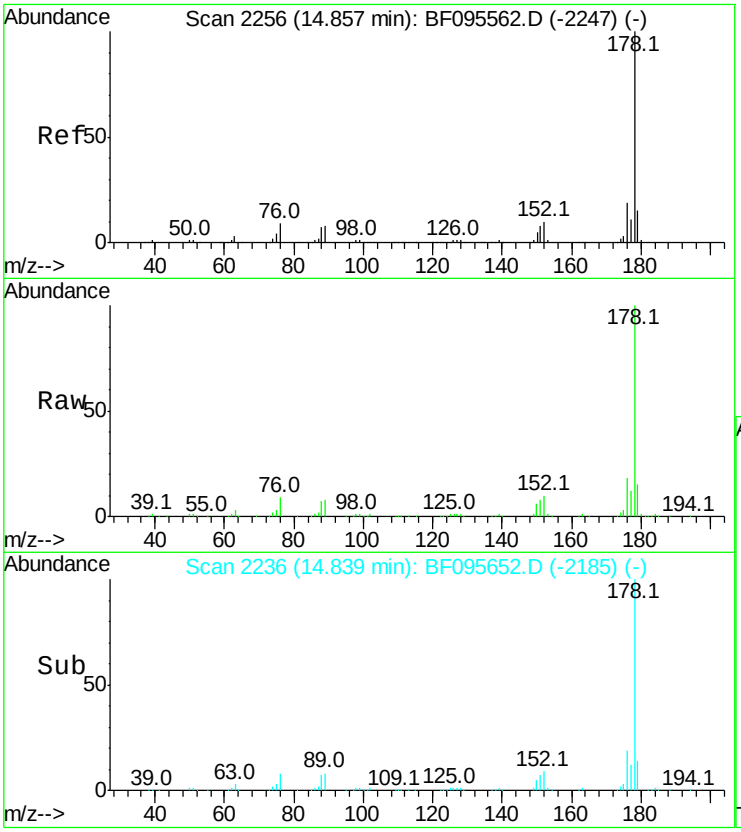




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:188 Resp: 209960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 9.4 | 14.2 |
| 80 | 10.7 | 10.2 | 15.2 |



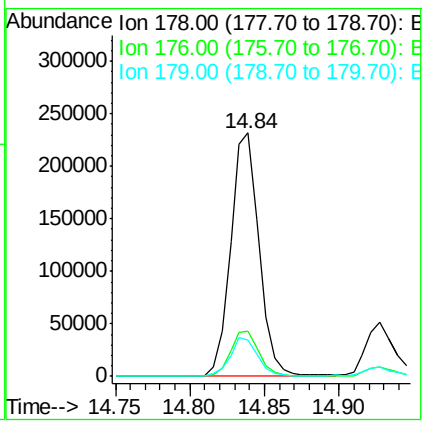


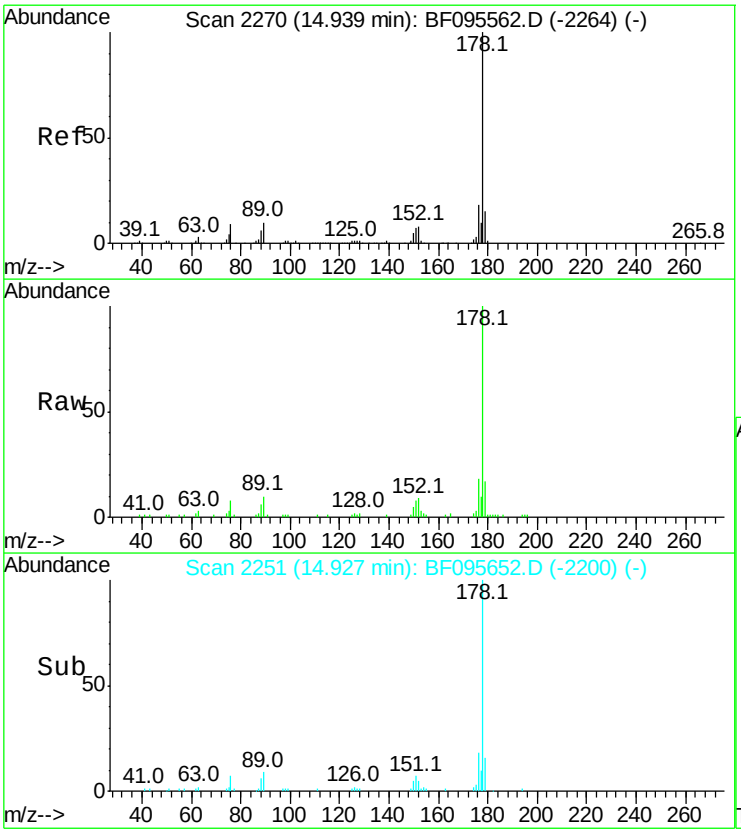

#70
Phenanthrene
Concen: 25.57 ng
RT: 14.84 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:178 Resp: 308429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 16.2 | 24.4 |
| 179 | 14.6 | 12.6 | 19.0 |

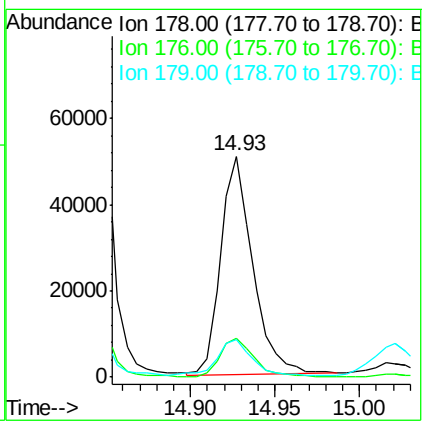


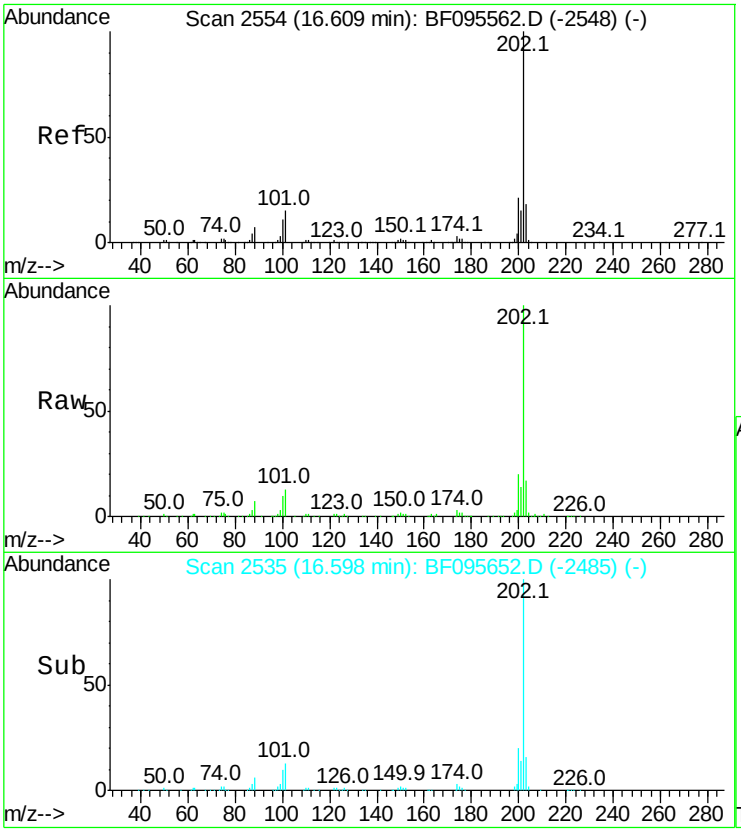




#71
Anthracene
Concen: 5.42 ng
RT: 14.93 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:178 Resp: 66783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 15.8 | 23.8 |
| 179 | 16.7 | 12.7 | 19.1 |



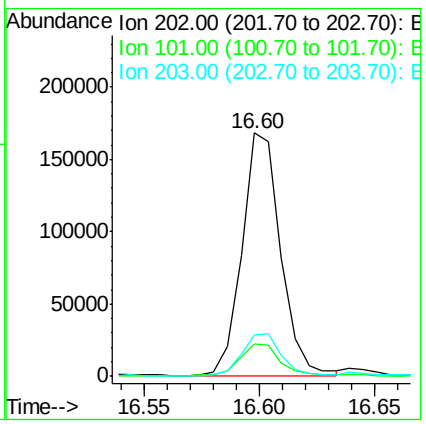


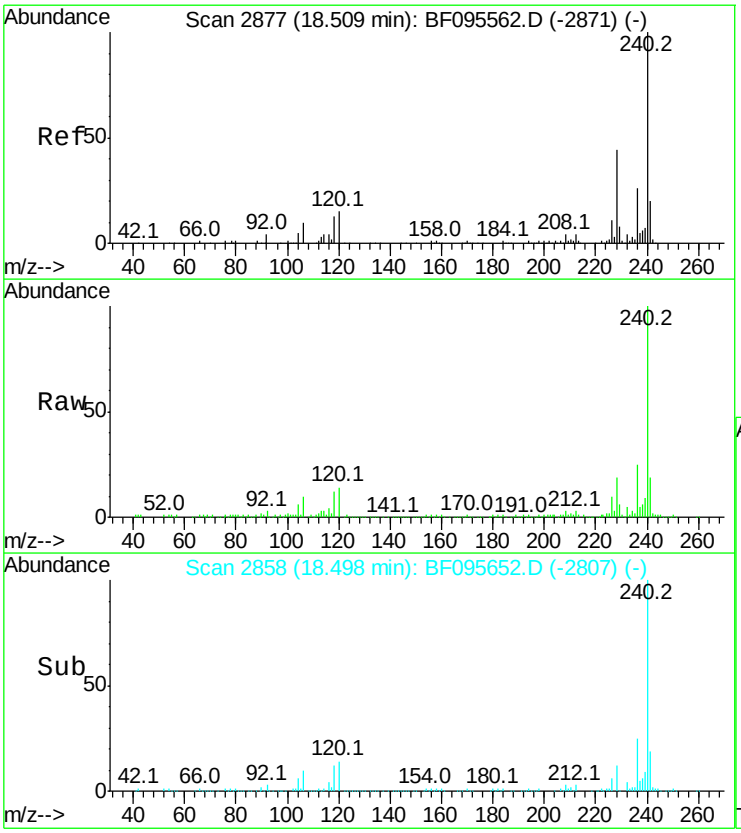

#74
Fluoranthene
Concen: 15.82 ng
RT: 16.60 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:202 Resp: 195782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 33.2 |
| 203 | 16.8 | 0.0 | 38.1 |

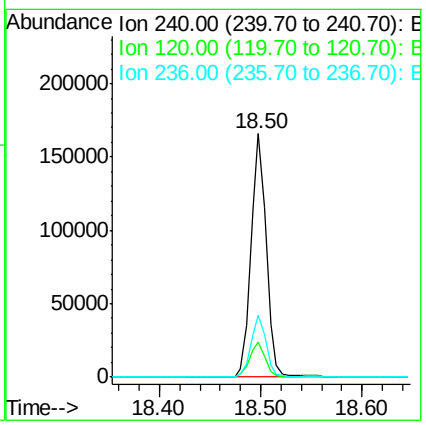


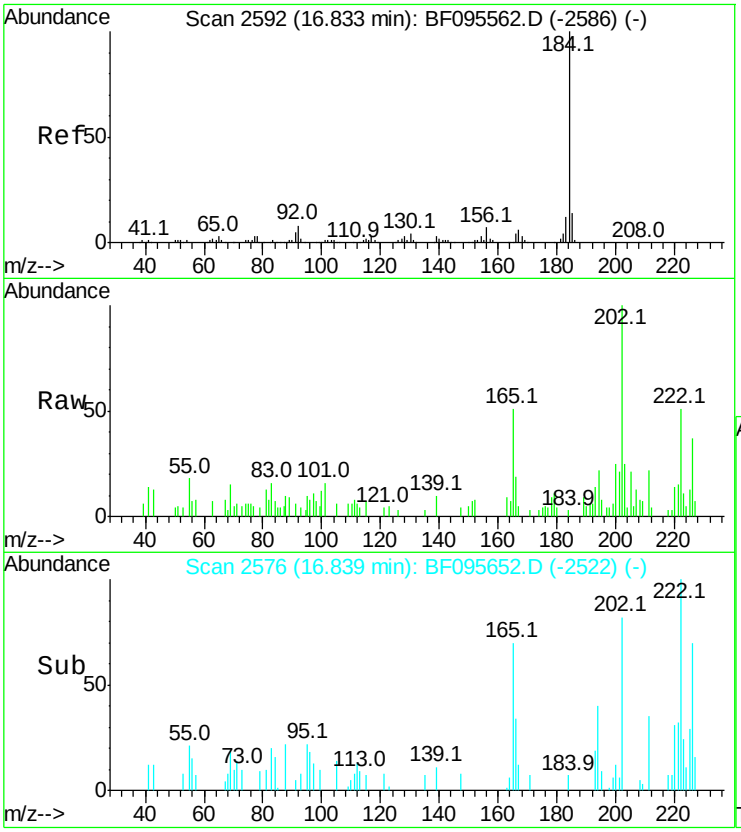




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:240 Resp: 173880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.3 | 5.8 | 8.8# |
| 236 | 25.2 | 20.5 | 30.7 |



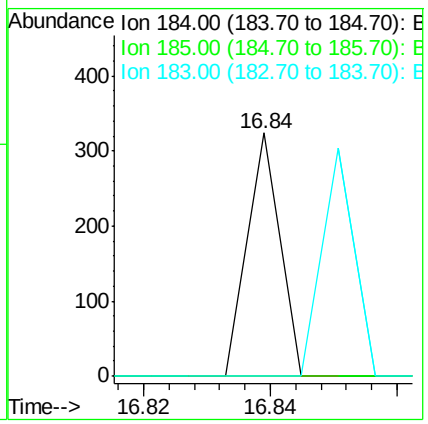


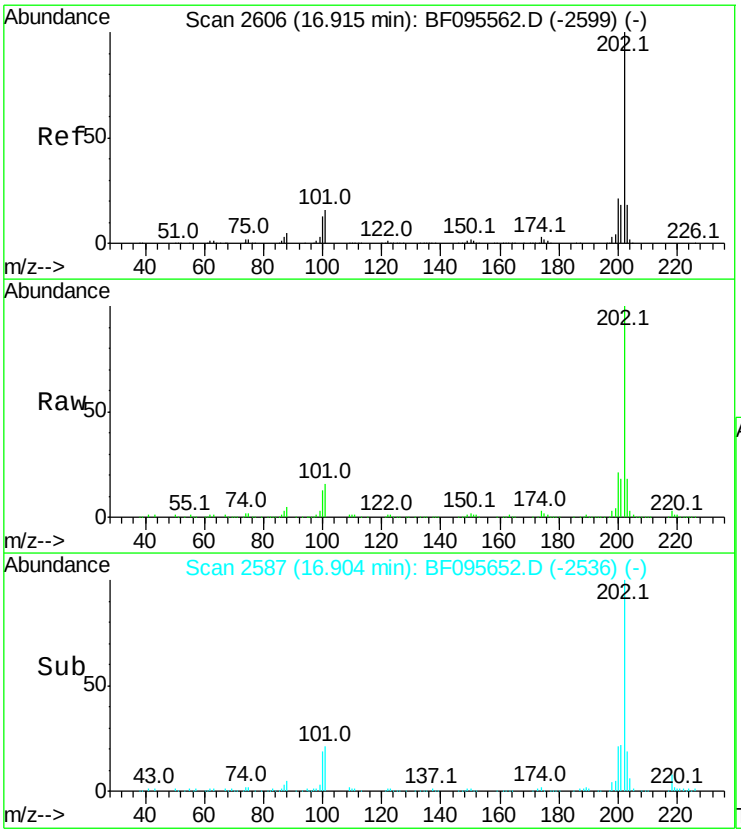

#76
Benzidine
Concen: 6.61 ng
RT: 16.84 min Scan# 2576
Delta R.T. 0.02 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:184 Resp: 114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 0.0 | 15.5 | 23.3# |
| 183 | 0.0 | 9.8 | 14.6# |

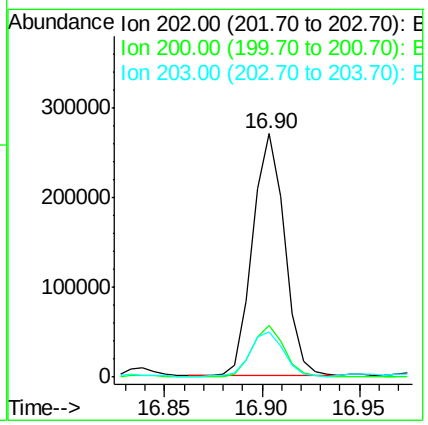


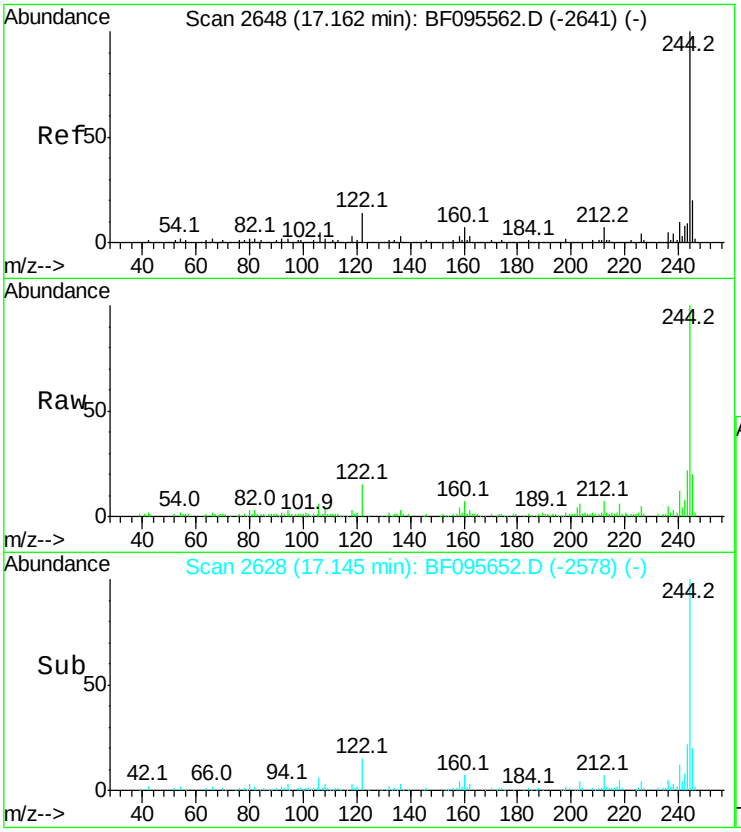




#77
Pyrene
Concen: 23.57 ng
RT: 16.90 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:202 Resp: 306471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.6 | 26.4 |
| 203 | 18.3 | 14.4 | 21.6 |



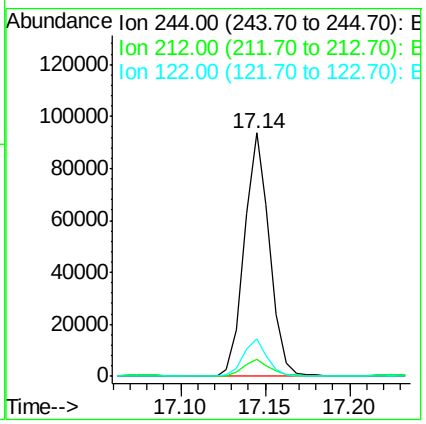


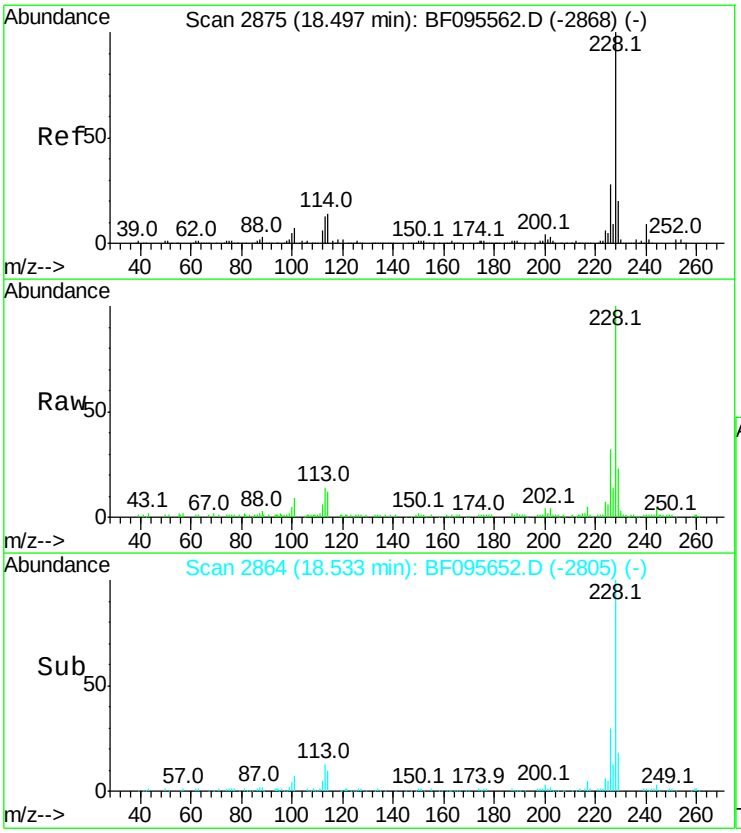

#78
Terphenyl-d14
Concen: 12.26 ng
RT: 17.14 min Scan# 2628
Delta R.T. -0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:244 Resp: 96806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 15.3 | 10.3 | 15.5 |

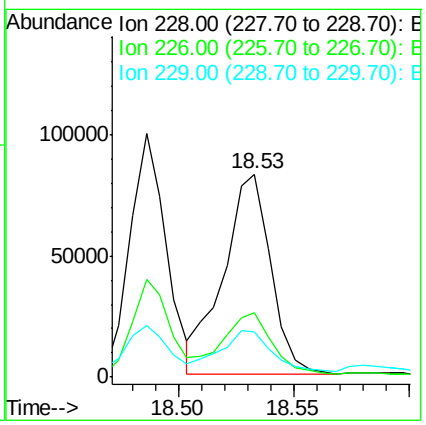


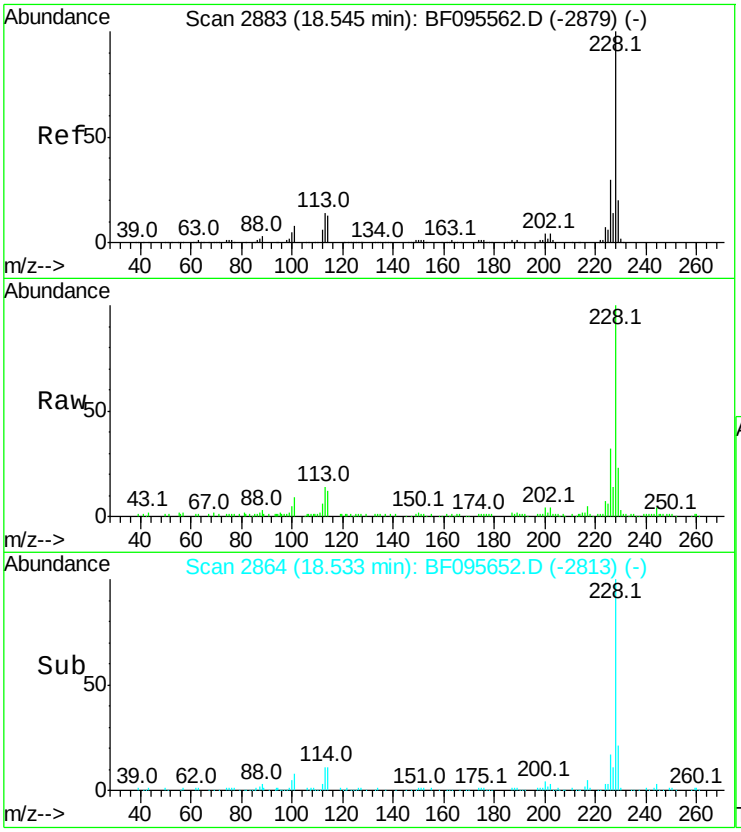




#80
Benzo(a)anthracene
Concen: 11.63 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.05 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:228 Resp: 117666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 22.6 | 33.8 |
| 229 | 22.5 | 16.3 | 24.5 |



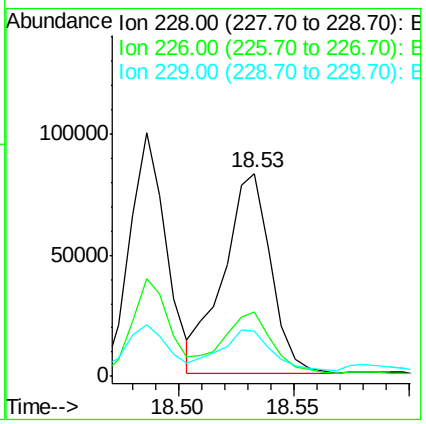


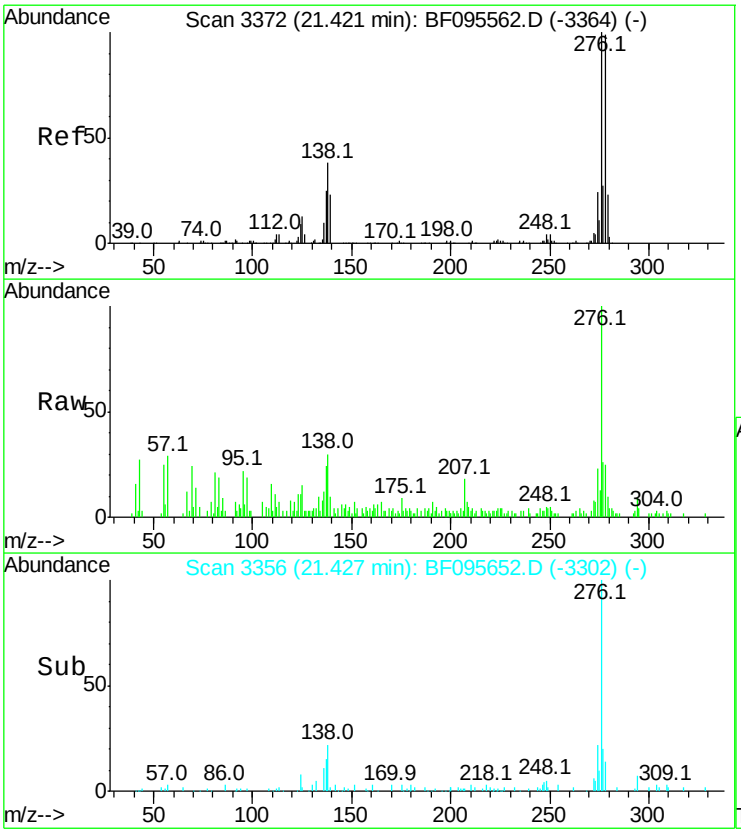

#82
Chrysene
Concen: 12.03 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:228 Resp: 117666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 24.9 | 37.3 |
| 229 | 22.5 | 15.8 | 23.6 |

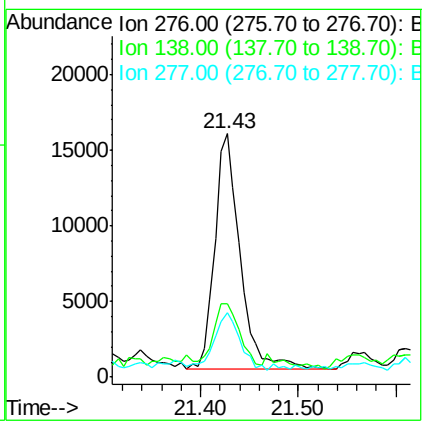


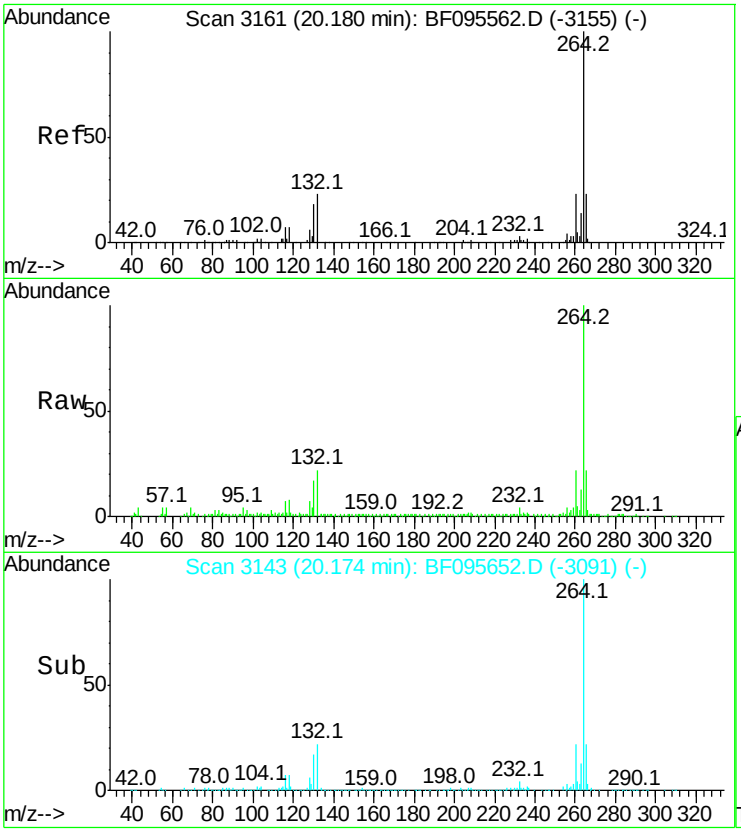




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.54 ng
RT: 21.43 min Scan# 3356
Delta R.T. 0.02 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:276 Resp: 28165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 27.8 | 41.6 |
| 277 | 24.6 | 20.2 | 30.4 |



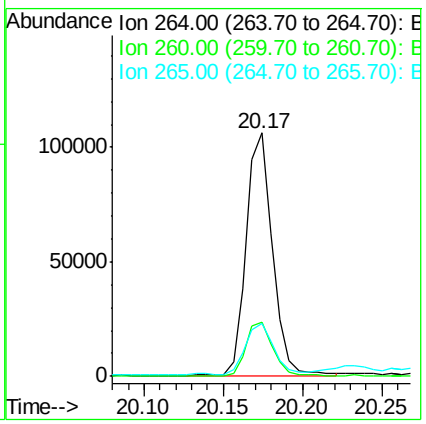


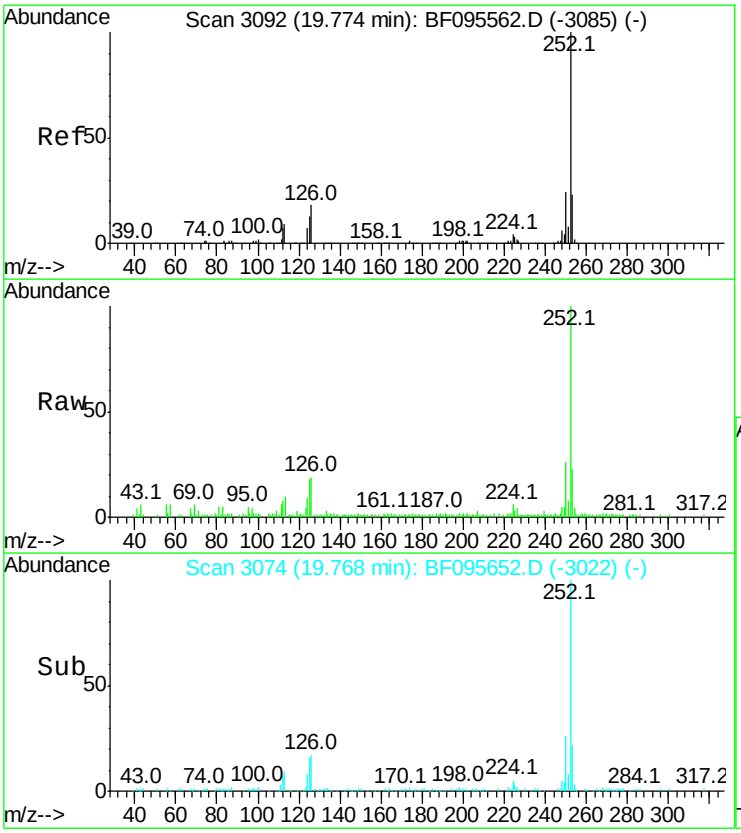

#86
Perylene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:264 Resp: 123709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.3 | 19.5 | 29.3 |
| 265 | 22.0 | 17.2 | 25.8 |

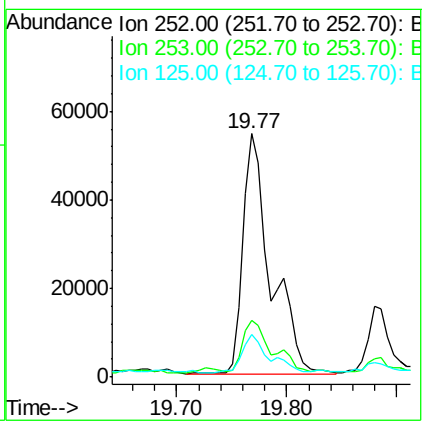


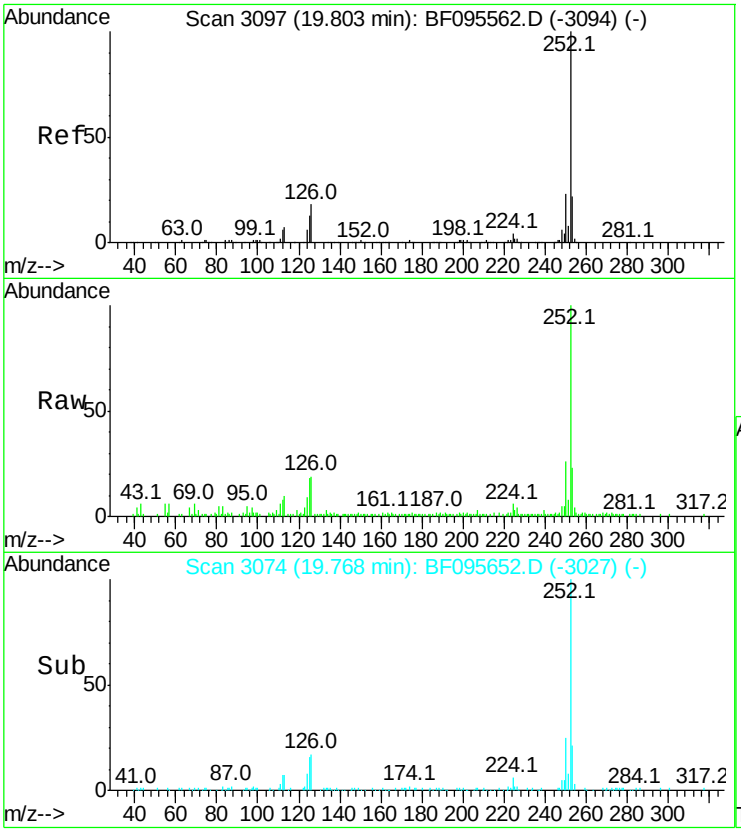




#87
Benzo(b)fluoranthene
Concen: 12.71 ng
RT: 19.77 min Scan# 3074
Delta R.T. 0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:252 Resp: 97161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.1 | 27.1 |
| 125 | 17.7 | 9.8 | 14.8# |



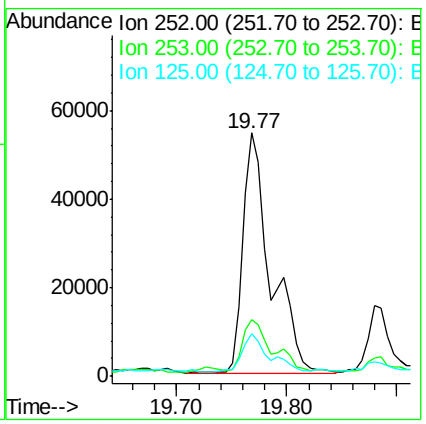


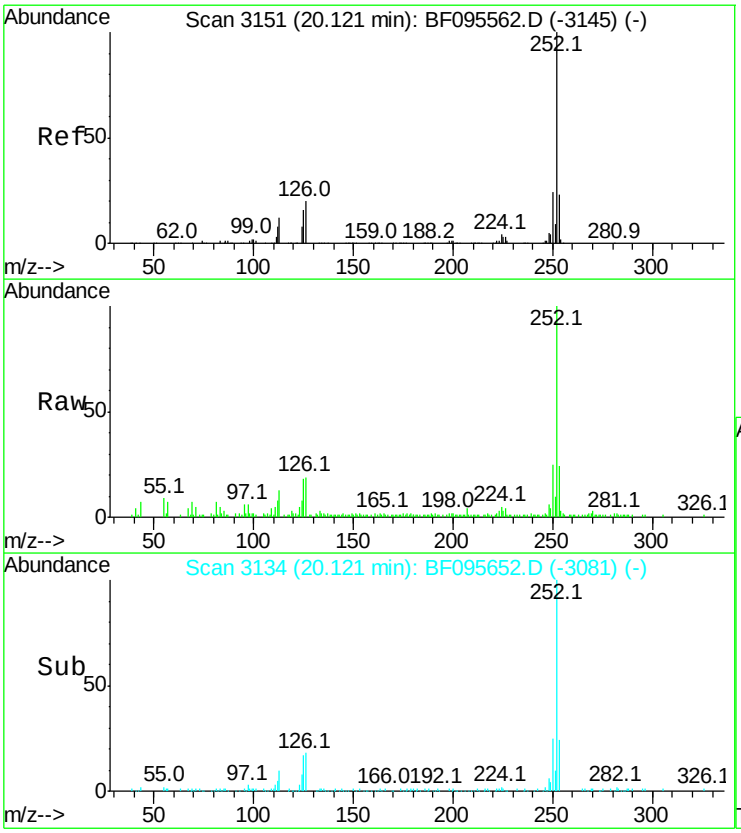

#88
Benzo(k)fluoranthene
Concen: 13.18 ng
RT: 19.77 min Scan# 3074
Delta R.T. -0.02 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:252 Resp: 97161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.4 | 27.6 |
| 125 | 17.7 | 13.1 | 19.7 |

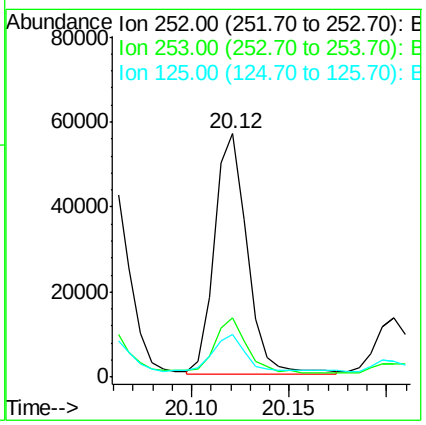


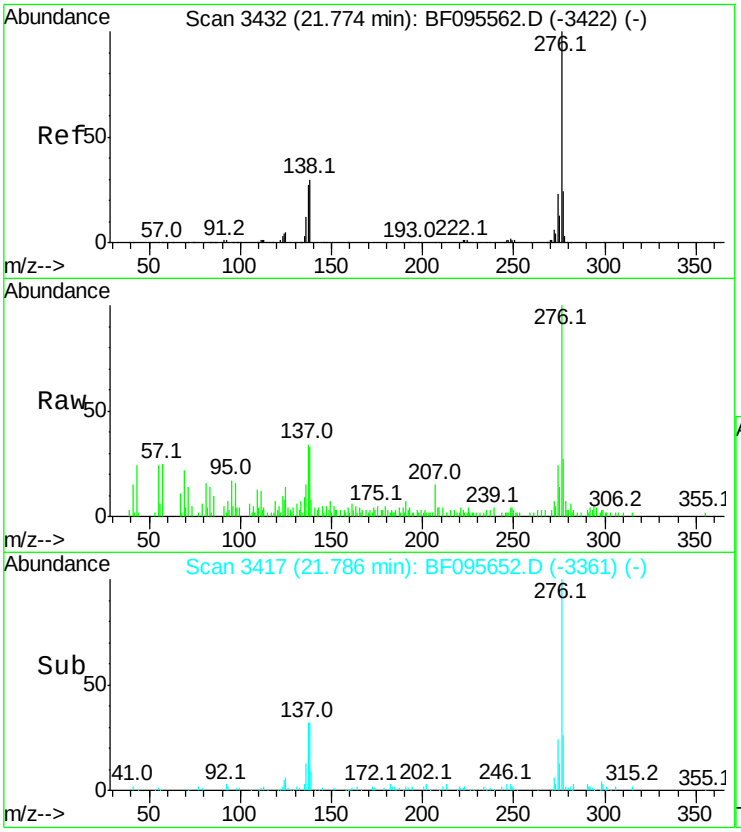




#89
Benzo(a)pyrene
Concen: 9.29 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

Tgt Ion:252 Resp: 65549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 17.5 | 26.3 |
| 125 | 17.5 | 11.0 | 16.4# |






#91
Benzo(g,h,i)perylene
Concen: 5.63 ng
RT: 21.79 min Scan# 3417
Delta R.T. 0.03 min
Lab File: BF095652.D
Acq: 3 Jun 2017 00:54

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

Tgt Ion:276 Resp: 32191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.6 | 18.6 | 28.0 |
| 138 | 40.7 | 25.4 | 38.0# |