Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088628.D
Acq On : 2 Jul 2016 20:33
Operator : UM/SJ
Sample : H3847-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S4-B1(0-11)C

Quant Time: Jul 03 03:04:52 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 108979 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.08 | 136 | 441123 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 178771 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 275971 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.93 | 240 | 220553 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.34 | 264 | 204829 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 801130 | 110.17 | ng | | -0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 1066232 | 113.48 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 648267 | 77.01 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 163928 | 98.75 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 870775 | 76.94 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.89 | 244 | 525733 | 53.09 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 89805 | 14.23 | ng | # | 72 |
| 49) Dimethylphthalate | 9.55 | 163 | 262945 | 20.65 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 22863 | 6.19 | ng | # | 38 |
| 66) 4-Bromophenyl-phenylether | 10.62 | 248 | 11951 | 4.30 | ng | # | 1 |
| 70) Phenanthrene | 11.32 | 178 | 85890 | 5.69 | ng | | 98 |
| 74) Fluoranthene | 12.51 | 202 | 128474 | 8.40 | ng | | 98 |
| 77) Pyrene | 12.74 | 202 | 116262 | 6.22 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 66525 | 4.68 | ng | | 99 |
| 82) Chrysene | 13.95 | 228 | 48974 | 3.49 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.66 | 276 | 23299 | 2.16 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.94 | 252 | 86680 | 6.75 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 14.94 | 252 | 86680 | 7.75 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.27 | 252 | 43704 | 4.02 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.06 | 276 | 23996 | 2.55 | ng | | 93 |

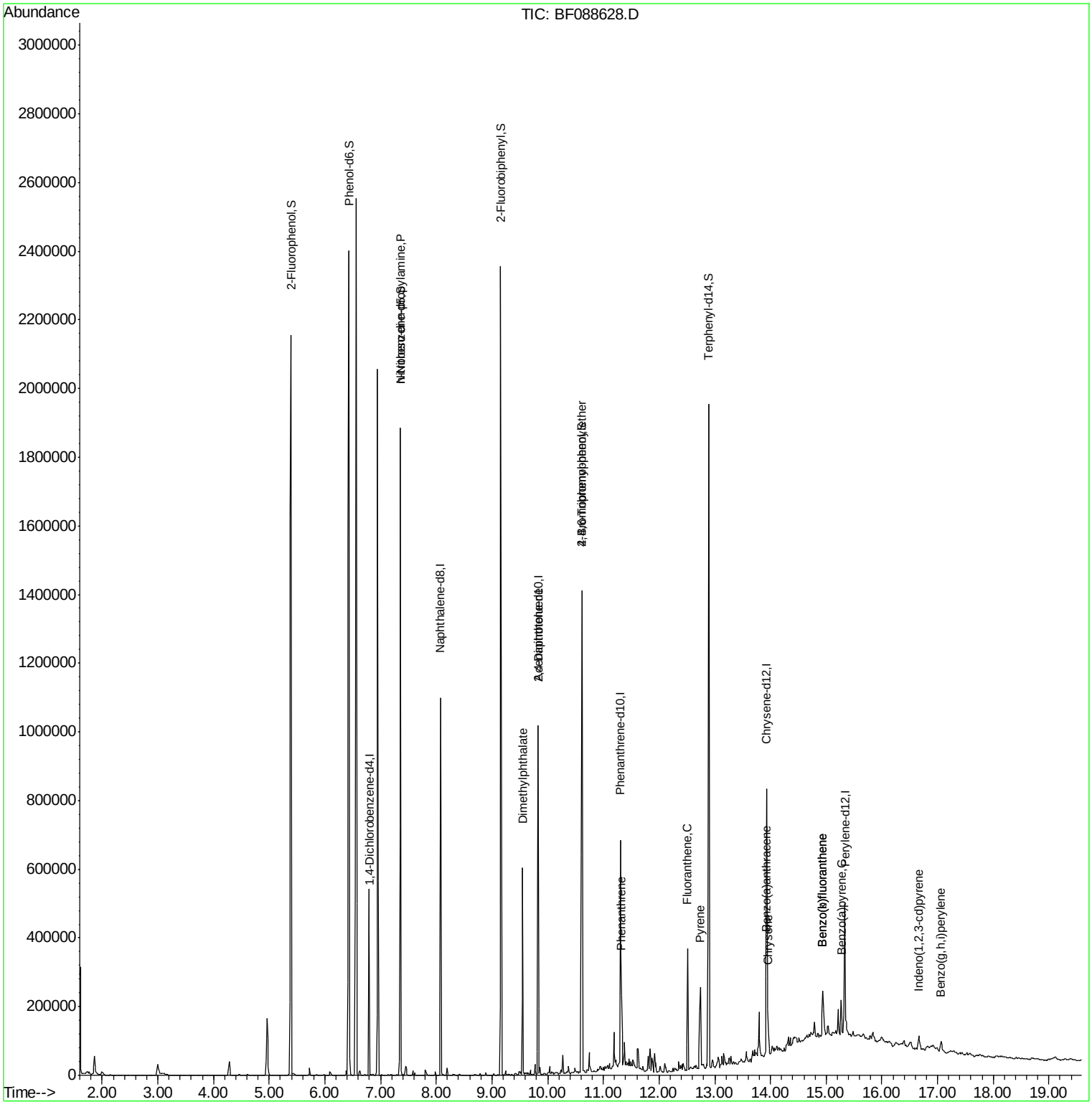
(#) = qualifier out of range (m) = manual integration (+) = signals summed

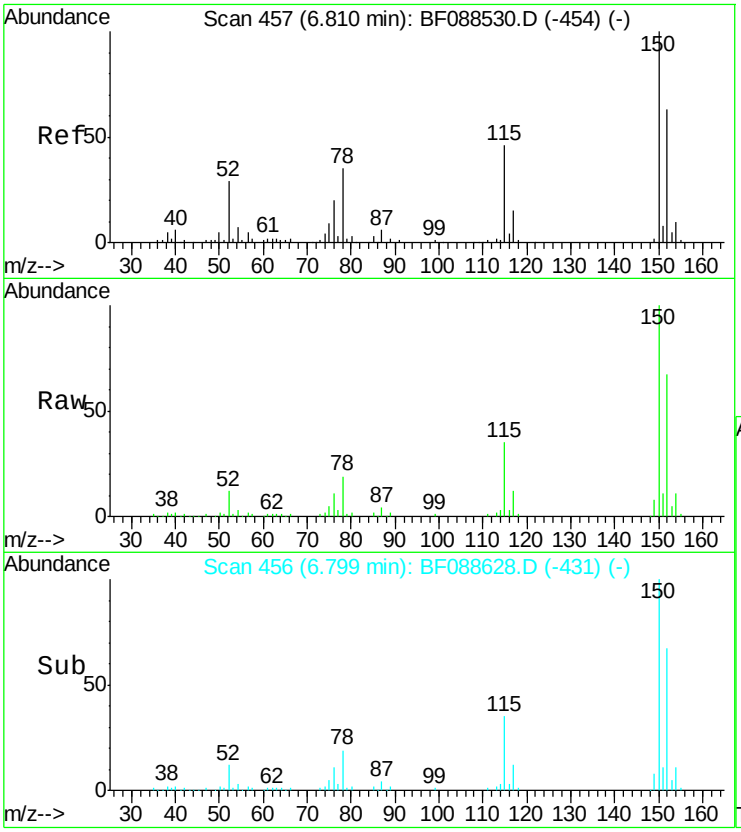
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088628.D
Acq On : 2 Jul 2016 20:33
Operator : UM/SJ
Sample : H3847-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Quant Time: Jul 03 03:04:52 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration



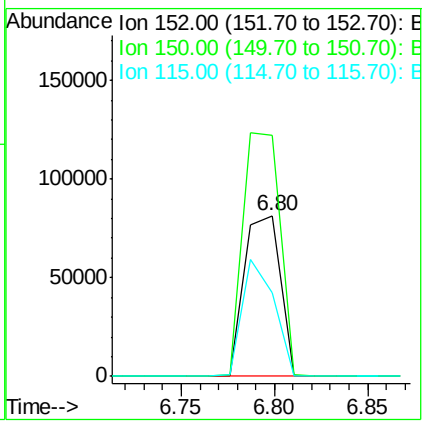


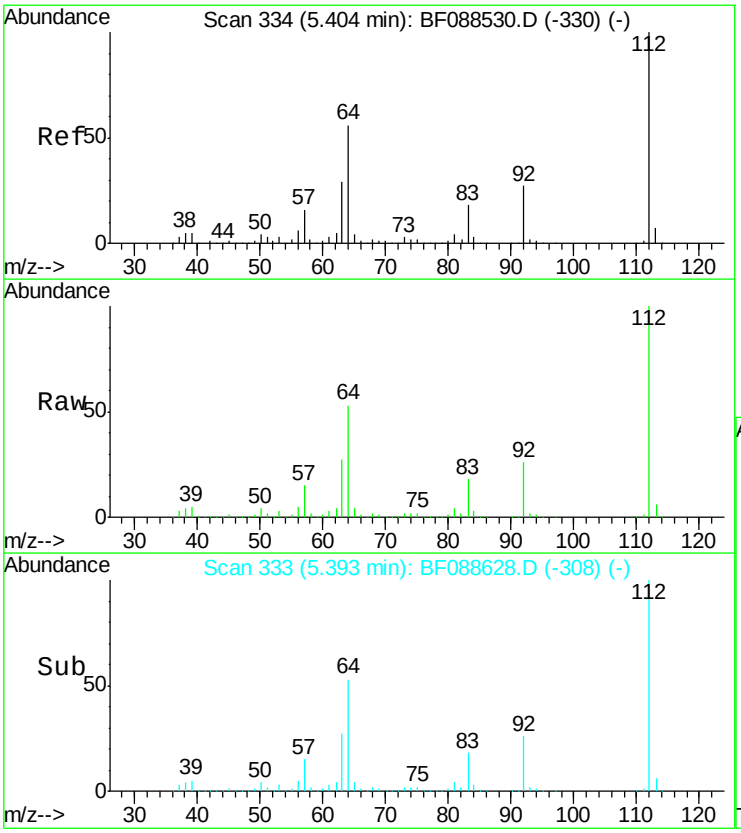

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:152 Resp: 108979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.3 | 123.8 | 185.6 |
| 115 | 52.5 | 39.6 | 59.4 |

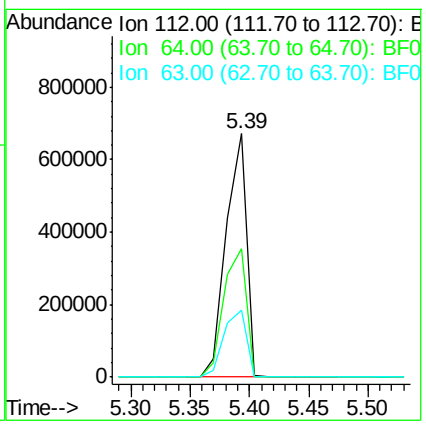


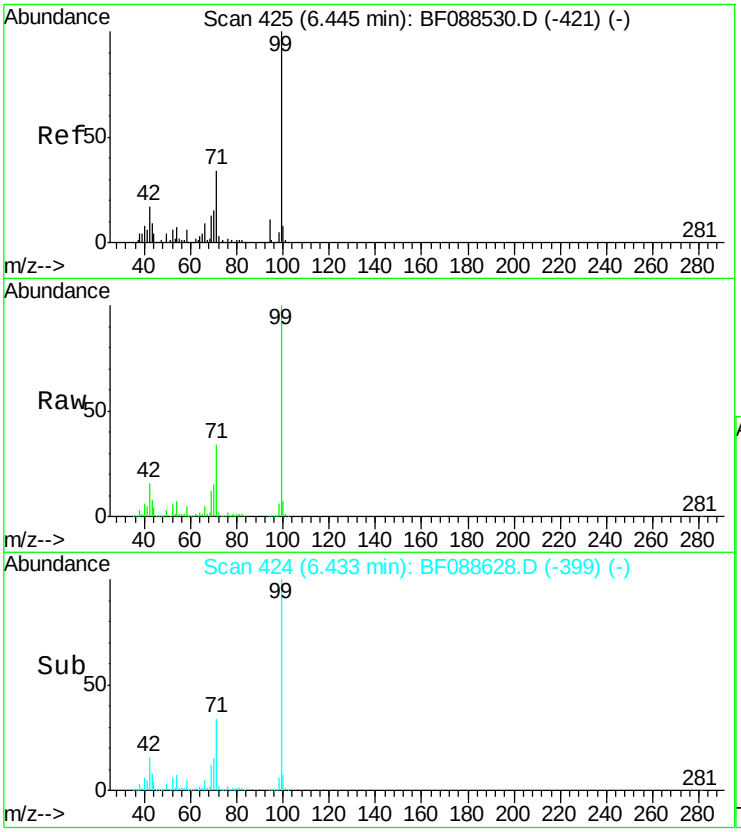




#5
2-Fluorophenol
Concen: 110.17 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:112 Resp: 801130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.5 | 42.2 | 63.2 |
| 63 | 27.5 | 21.8 | 32.8 |



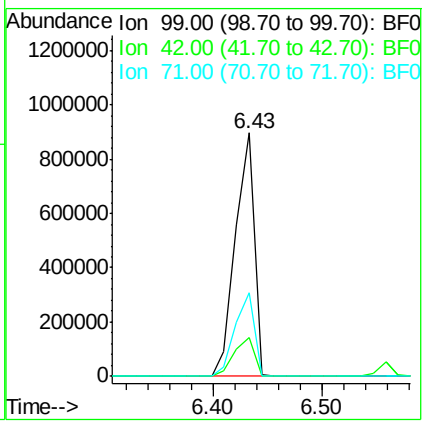


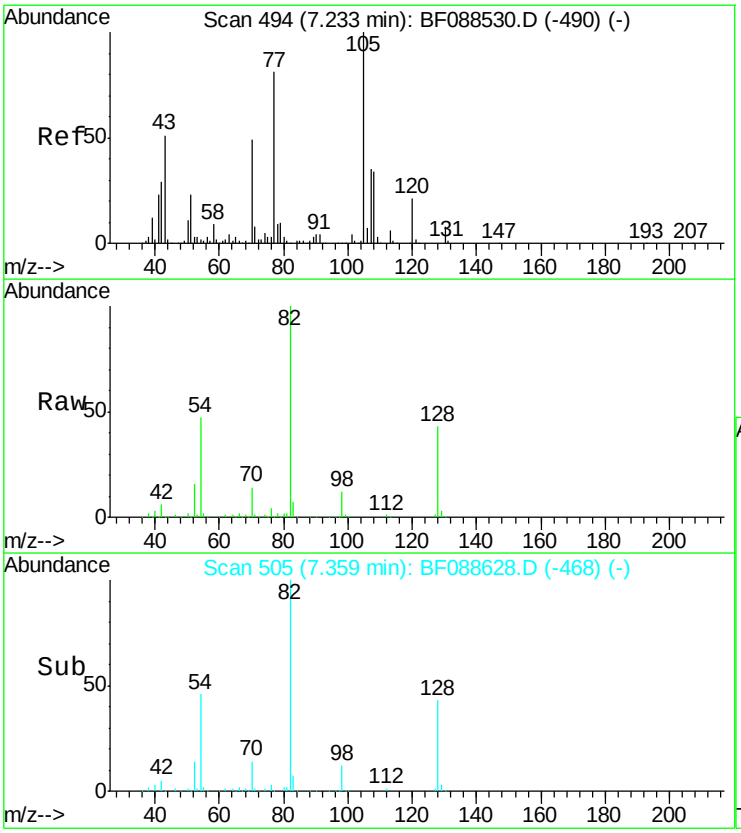

#7
Phenol-d6
Concen: 113.48 ng
RT: 6.43 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion: 99 Resp: 1066232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.8 | 12.2 | 18.2 |
| 71 | 34.3 | 23.4 | 35.0 |

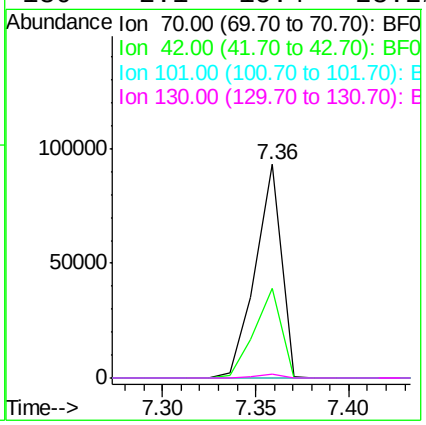


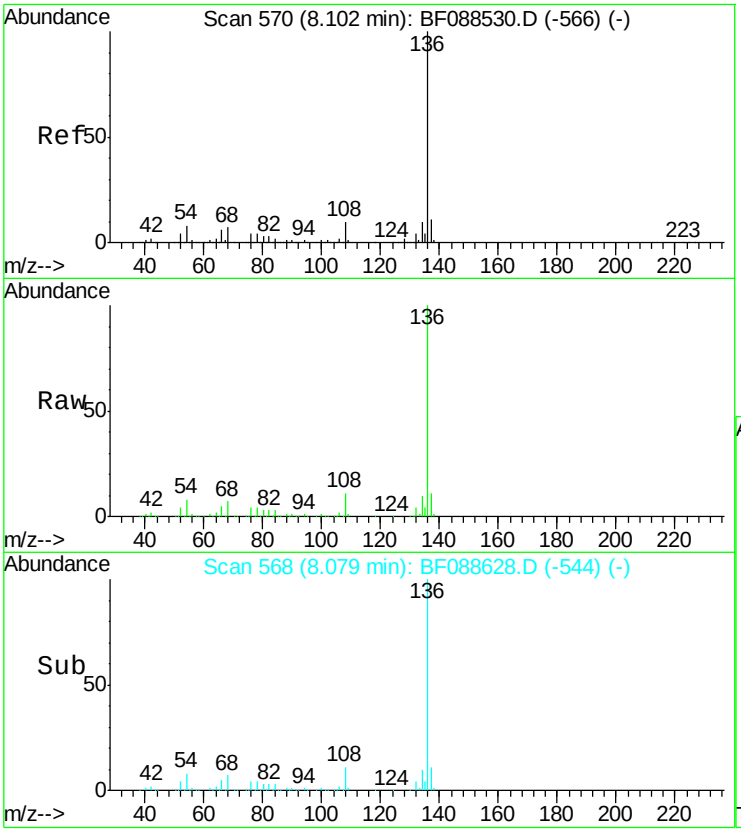




#19
n-Nitroso-di-n-propylamine
Concen: 14.23 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.13 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion: 70 Resp: 89805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.0 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.1 | 15.4 | 23.2# |



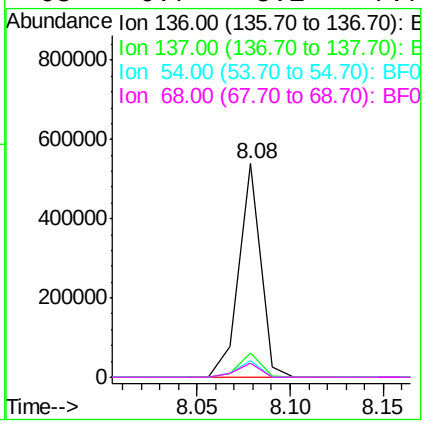


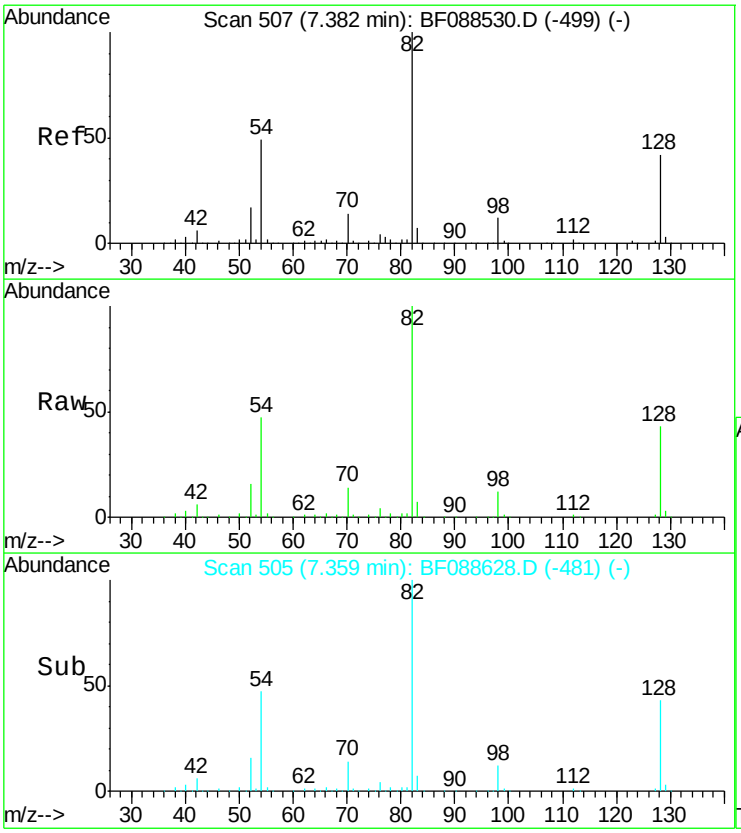

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:136 Resp: 441123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.1 | 13.7 |
| 54 | 7.8 | 6.6 | 10.0 |
| 68 | 6.7 | 5.1 | 7.7 |

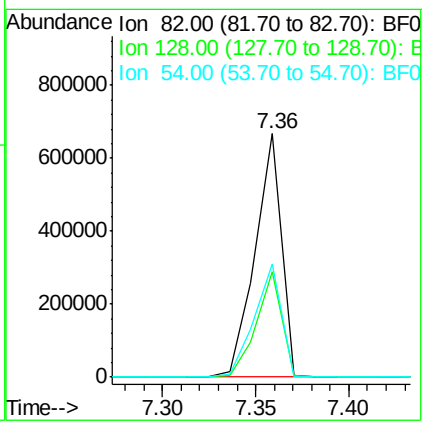


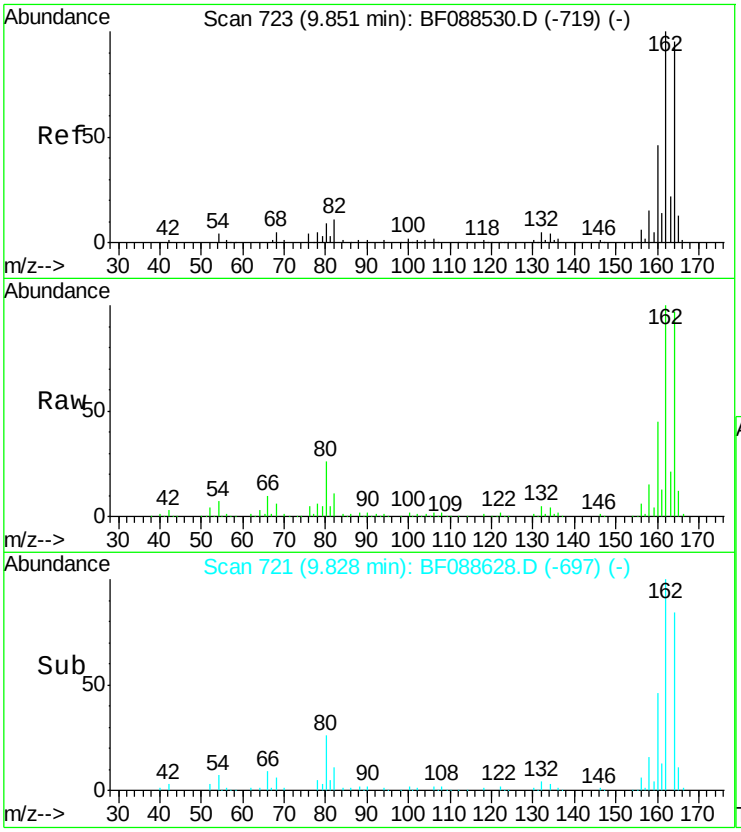




#23
Nitrobenzene-d5
Concen: 77.01 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion: 82 Resp: 648267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 35.9 | 53.9 |
| 54 | 46.5 | 40.9 | 61.3 |



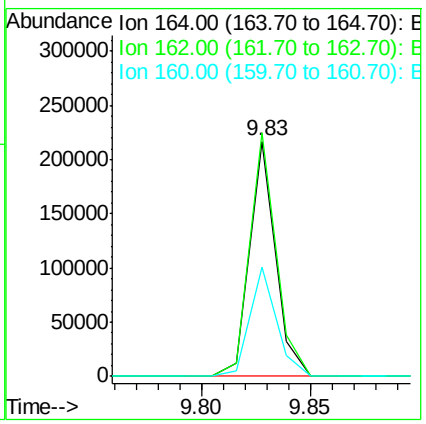


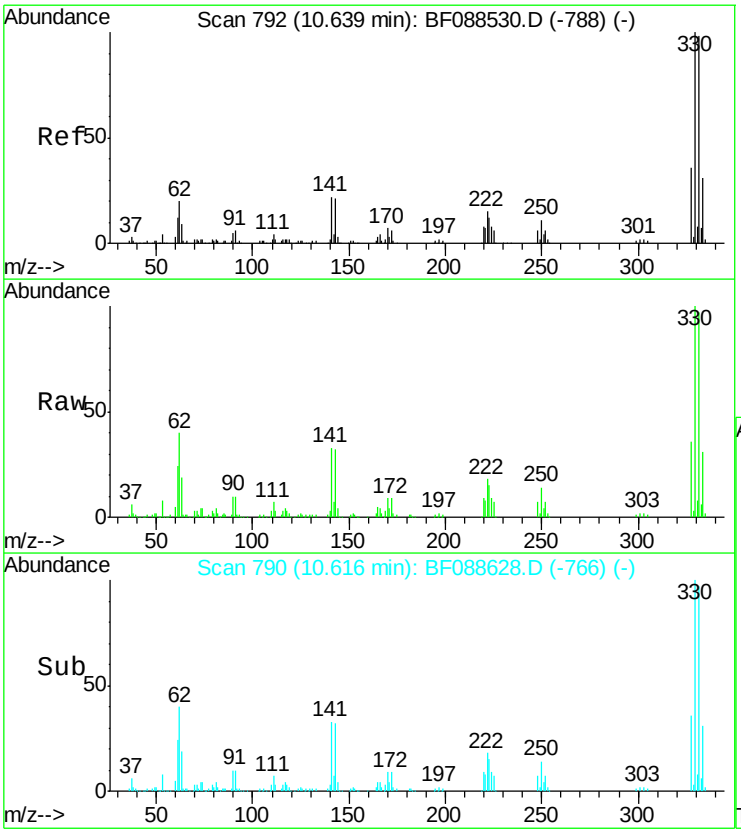

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:164 Resp: 178771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 85.4 | 128.2 |
| 160 | 46.7 | 39.5 | 59.3 |

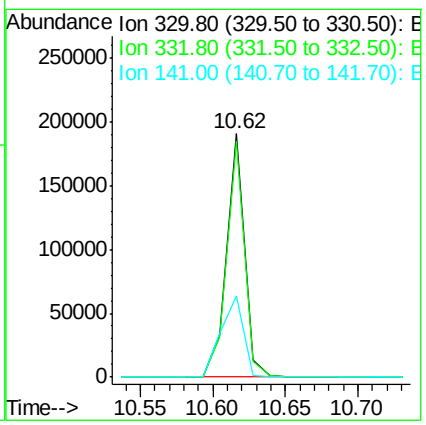


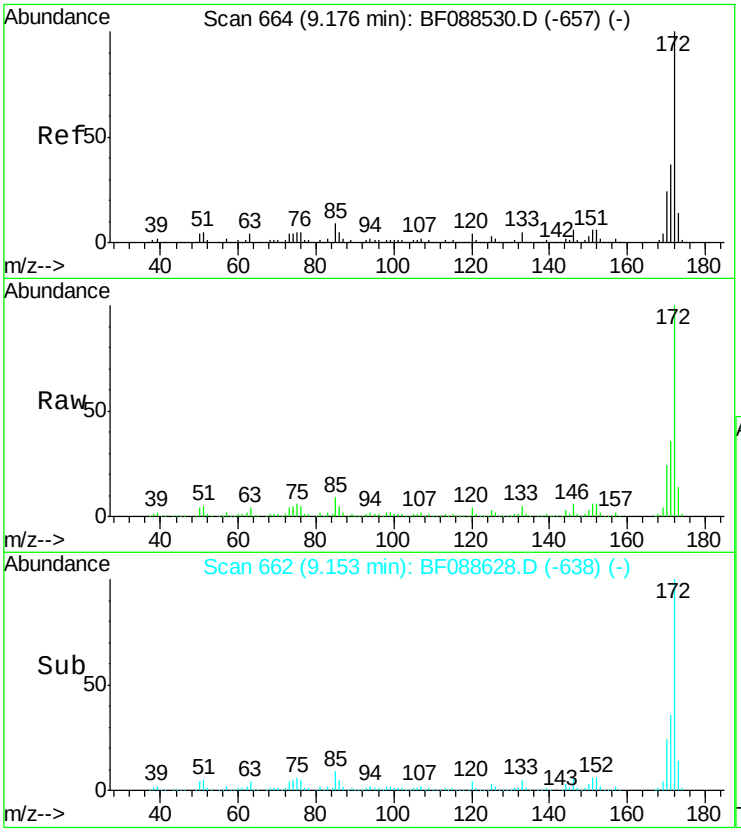




#41
2,4,6-Tribromophenol
Concen: 98.75 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:330 Resp: 163928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 0.0 | 0.0# |
| 141 | 42.0 | 0.0 | 0.0# |



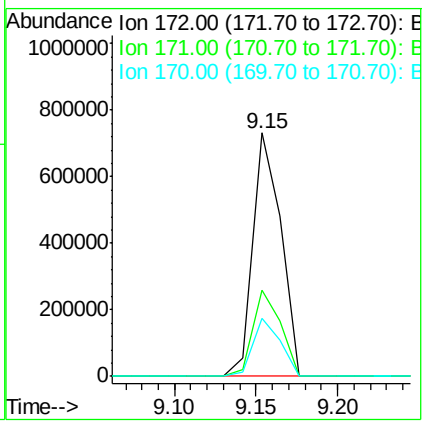


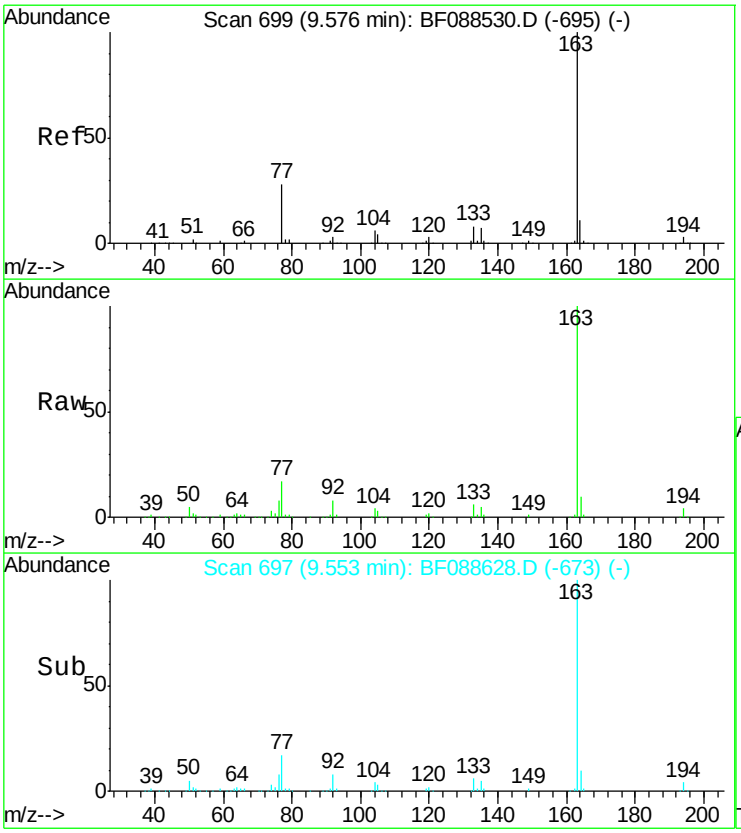

#44
2-Fluorobiphenyl
Concen: 76.94 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:172 Resp: 870775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.6 | 43.0 |
| 170 | 23.7 | 19.2 | 28.8 |

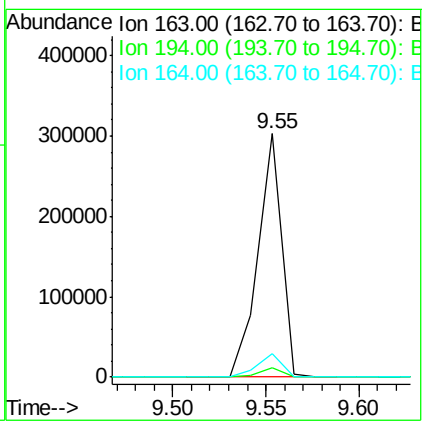


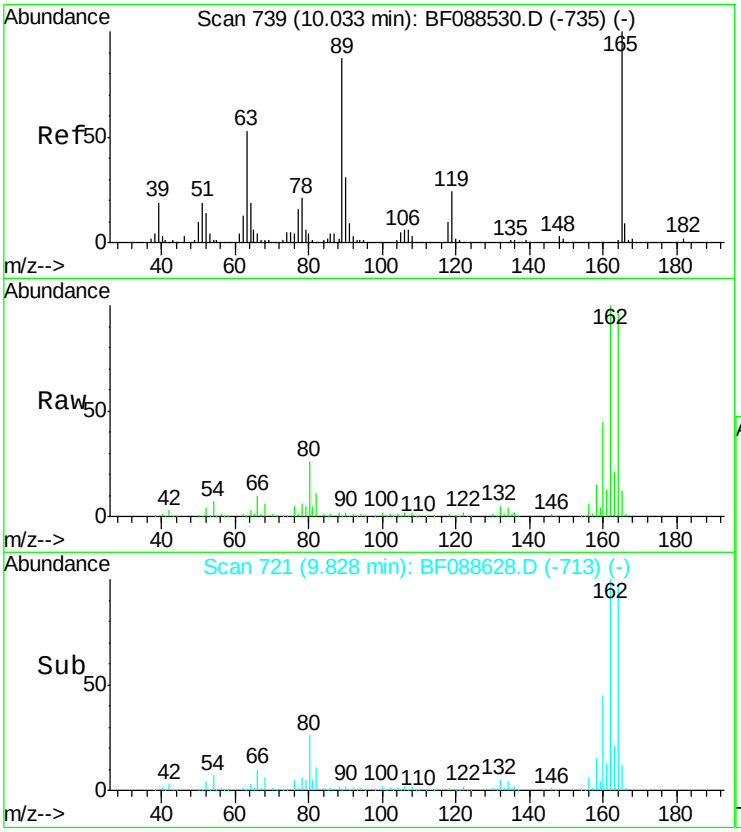




#49
Dimethylphthalate
Concen: 20.65 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:163 Resp: 262945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.8 | 4.2 |
| 164 | 9.7 | 8.3 | 12.5 |



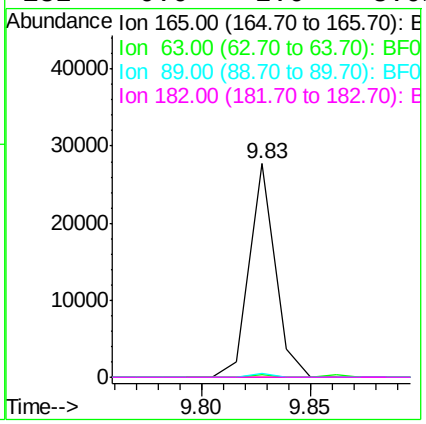


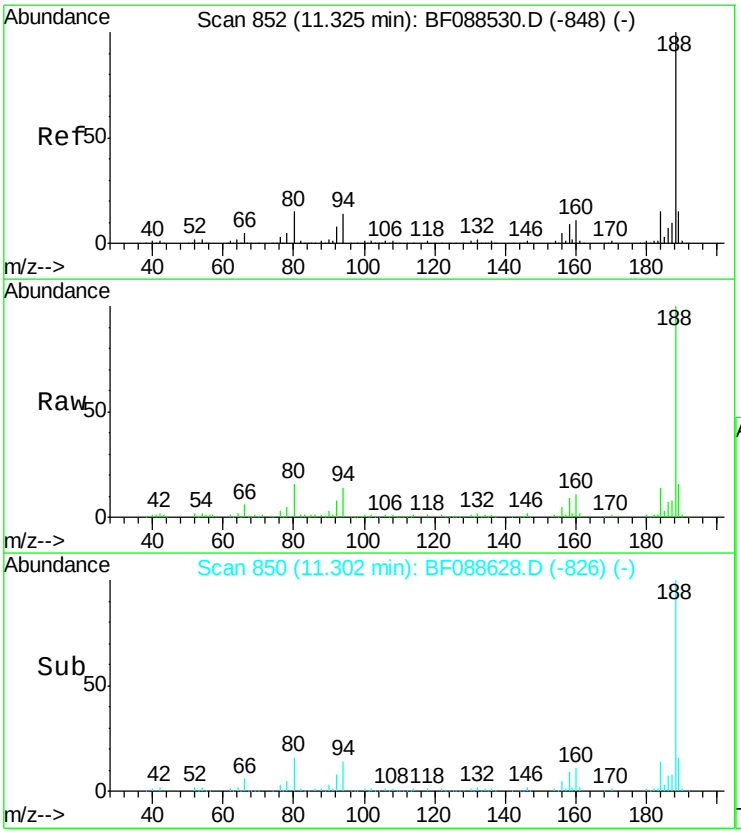

#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.21 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:165 Resp: 22863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 22.0 | 33.0# |
| 89 | 1.7 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |

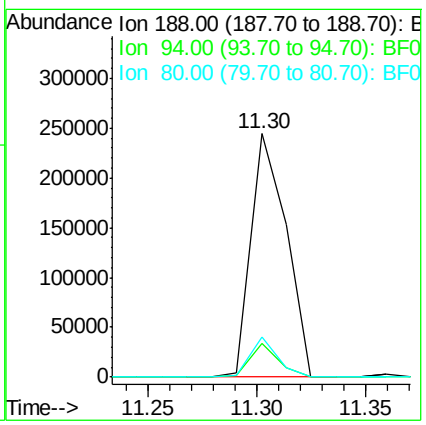


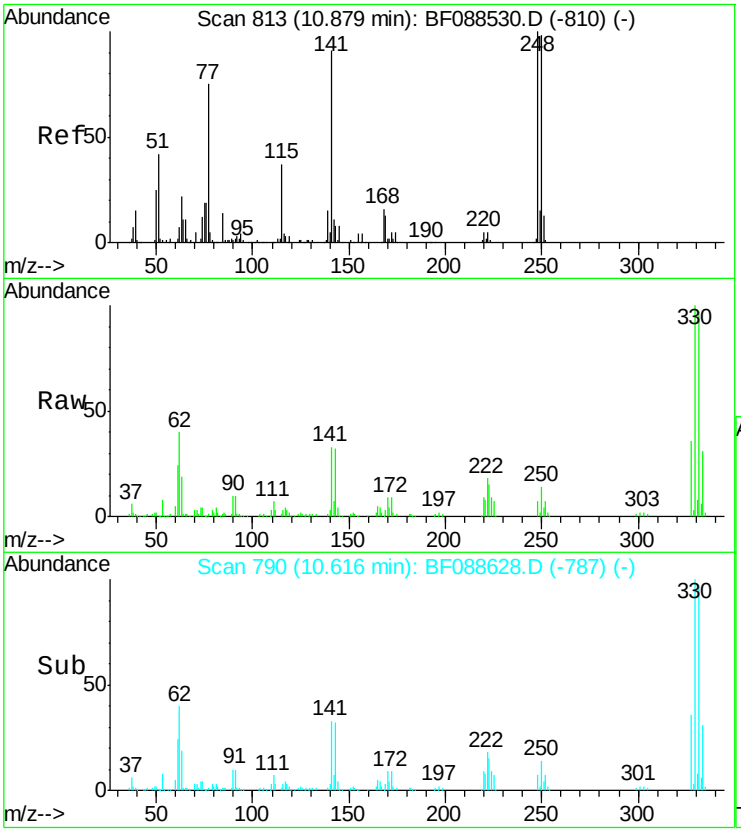




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:188 Resp: 275971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 14.0 | 9.0 | 13.6# |
| 80 | 16.2 | 10.0 | 15.0# |



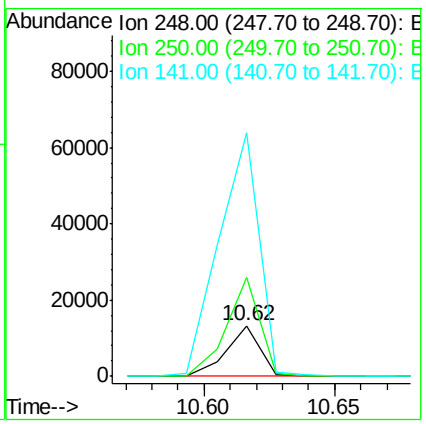


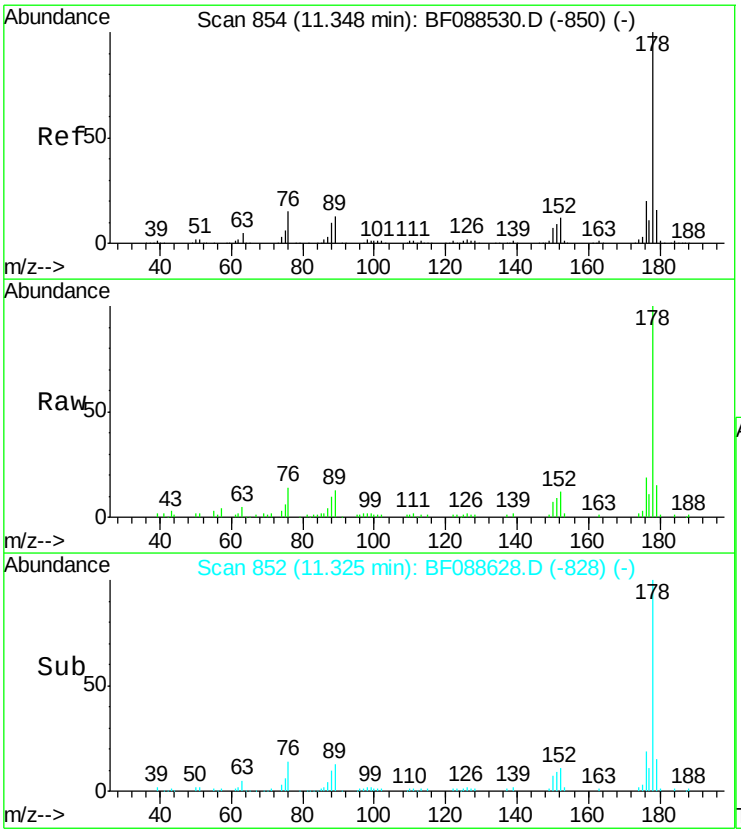

#66
4-Bromophenyl-phenylether
Concen: 4.30 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.26 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:248 Resp: 11951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 195.2 | 77.1 | 115.7# |
| 141 | 479.3 | 50.6 | 76.0# |

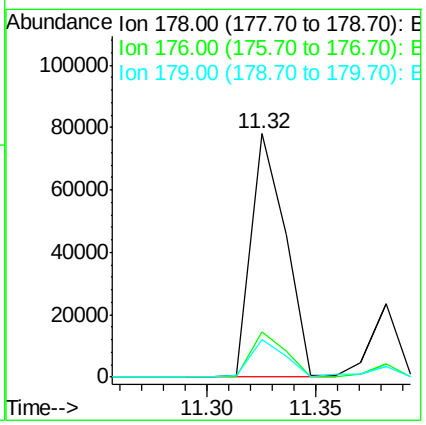


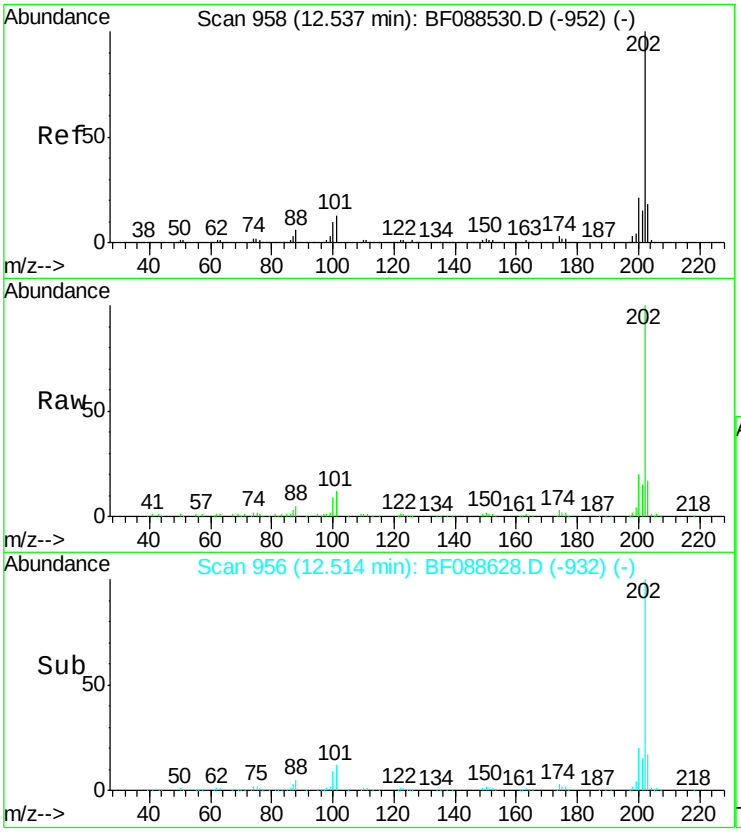




#70
Phenanthrene
Concen: 5.69 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:178 Resp: 85890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.8 | 23.6 |
| 179 | 15.5 | 13.0 | 19.4 |



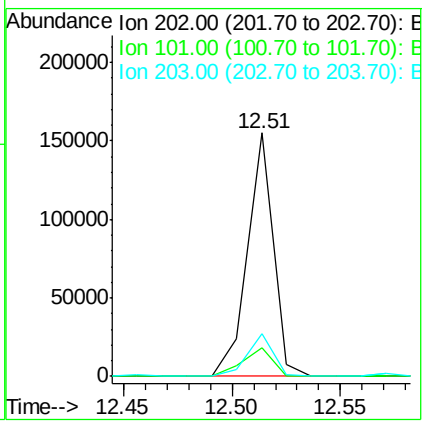


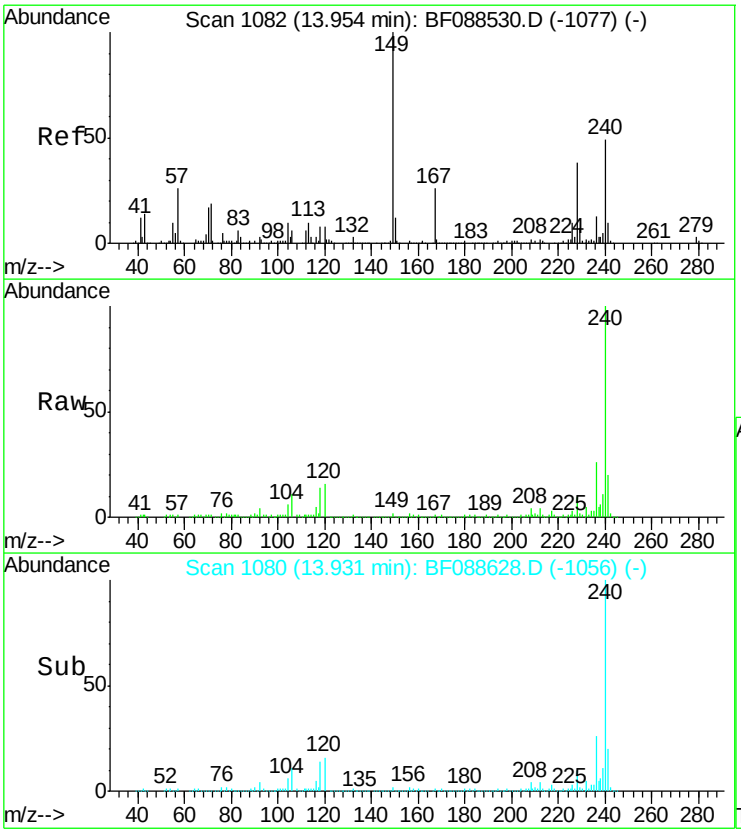

#74
Fluoranthene
Concen: 8.40 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:202 Resp: 128474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 33.1 |
| 203 | 17.3 | 0.0 | 38.1 |

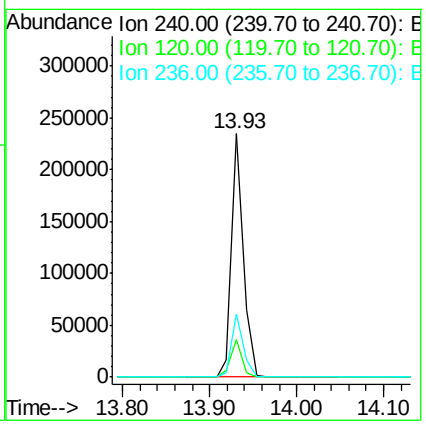


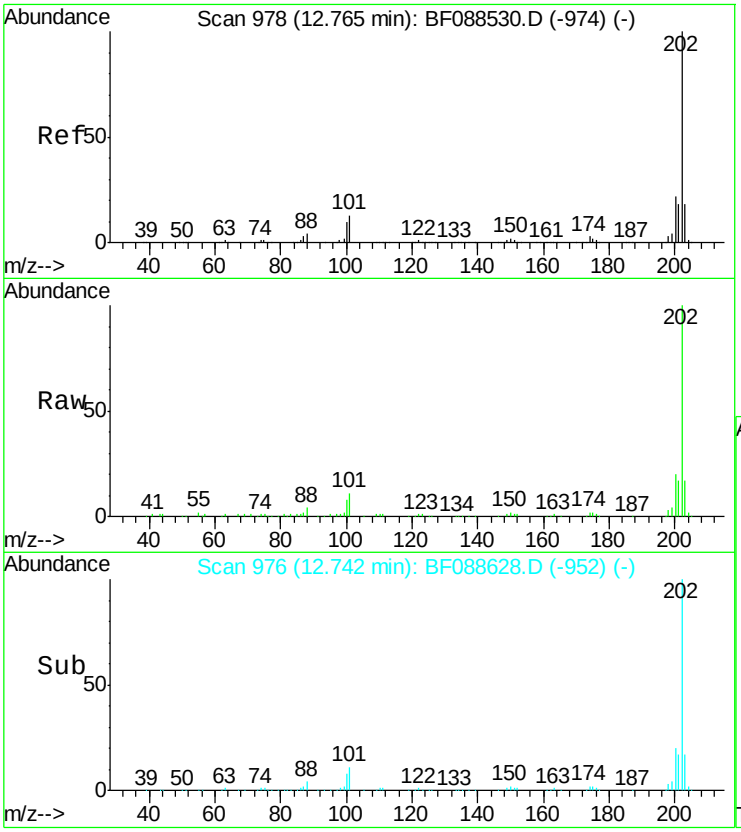




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:240 Resp: 220553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.6 | 6.8 | 10.2# |
| 236 | 25.7 | 20.2 | 30.2 |



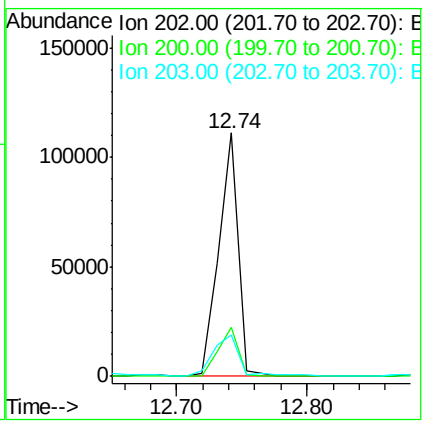


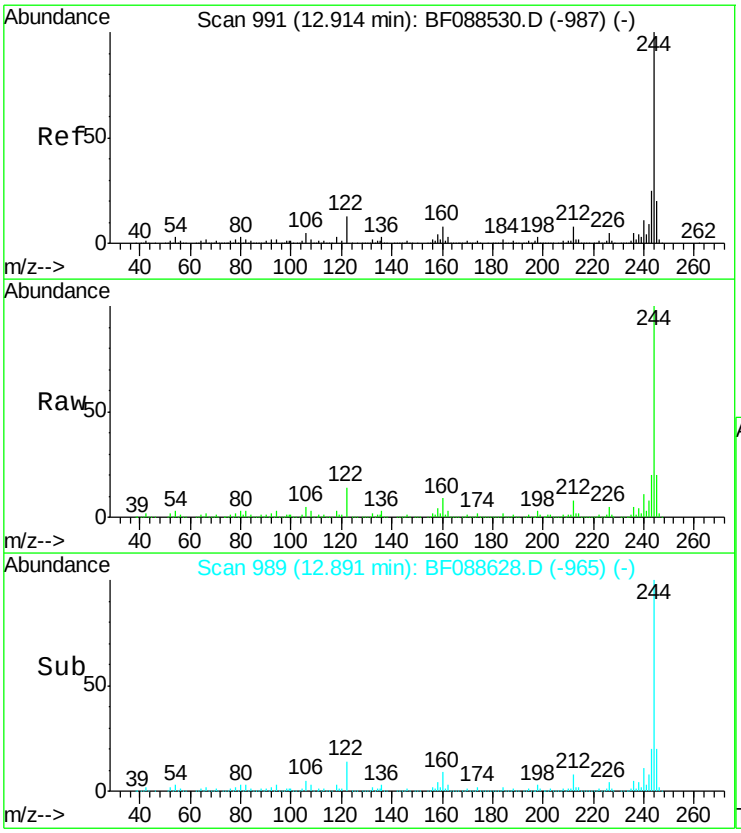

#77
Pyrene
Concen: 6.22 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:202 Resp: 116262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 17.4 | 26.2 |
| 203 | 16.8 | 14.5 | 21.7 |

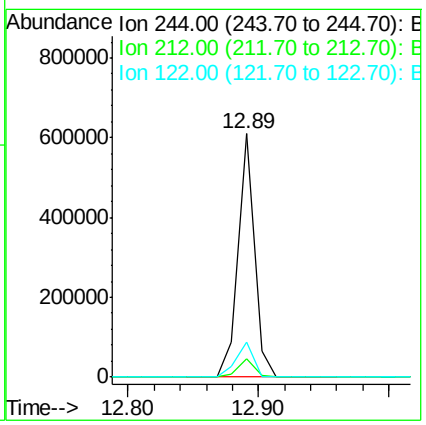


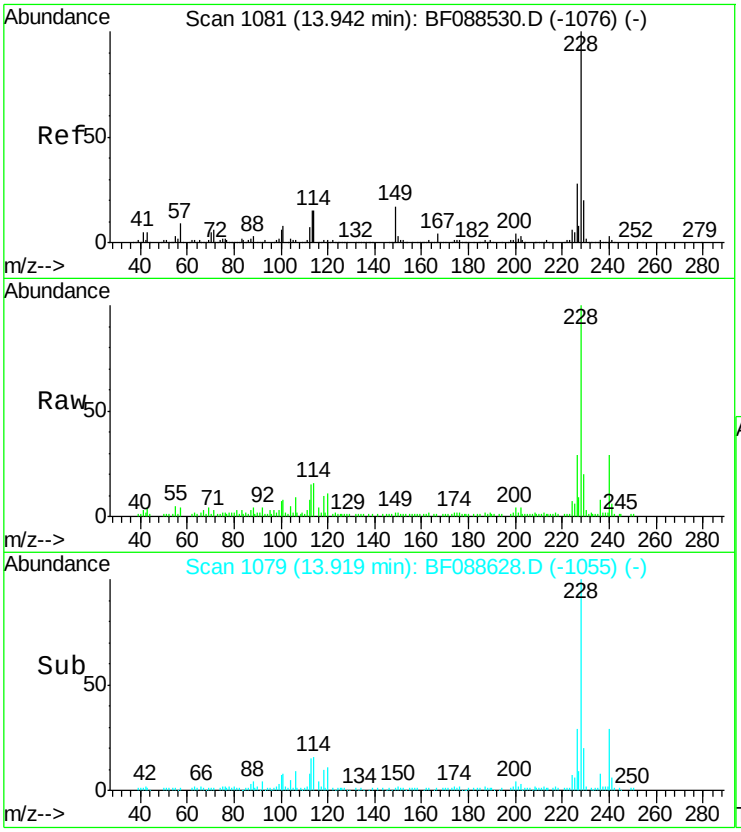




#78
Terphenyl-d14
Concen: 53.09 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:244 Resp: 525733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.0 | 9.0 |
| 122 | 14.1 | 11.2 | 16.8 |



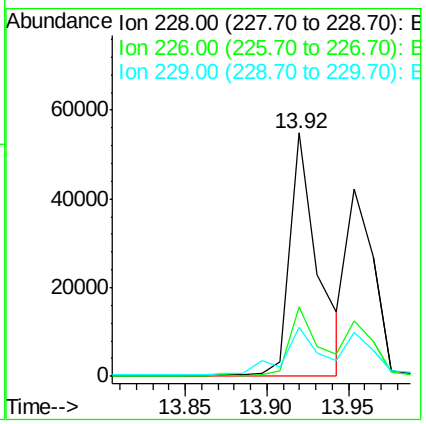


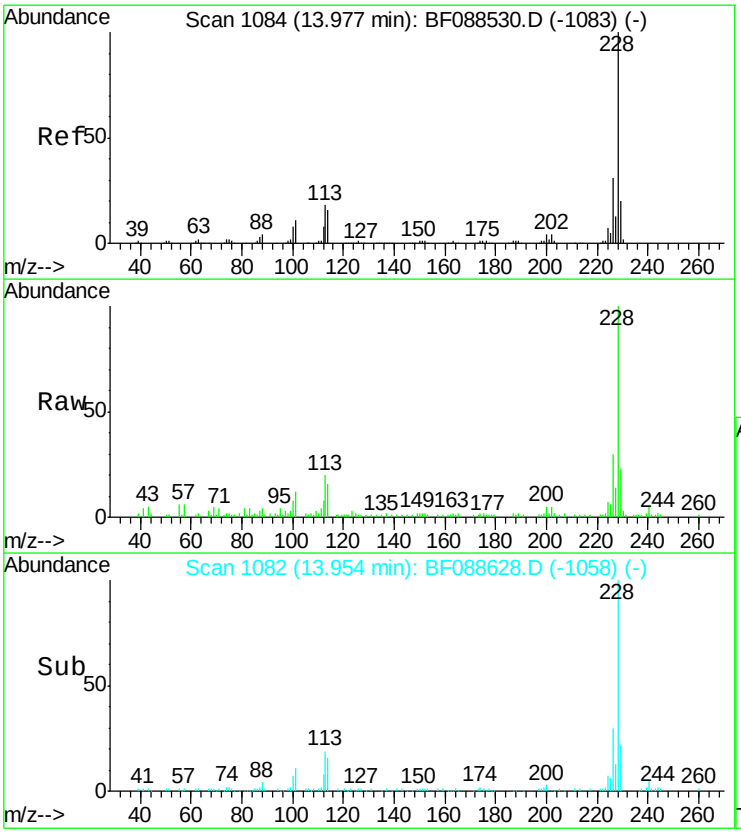

#80
Benzo(a)anthracene
Concen: 4.68 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:228 Resp: 66525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.6 | 22.3 | 33.5 |
| 229 | 20.4 | 16.0 | 24.0 |

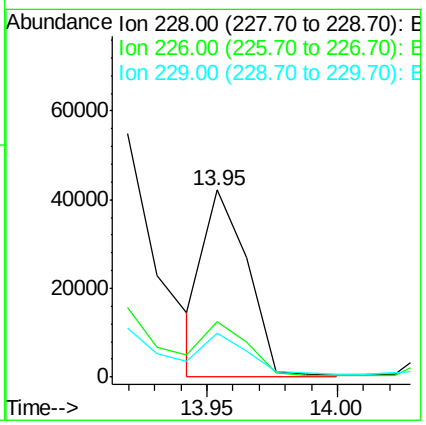


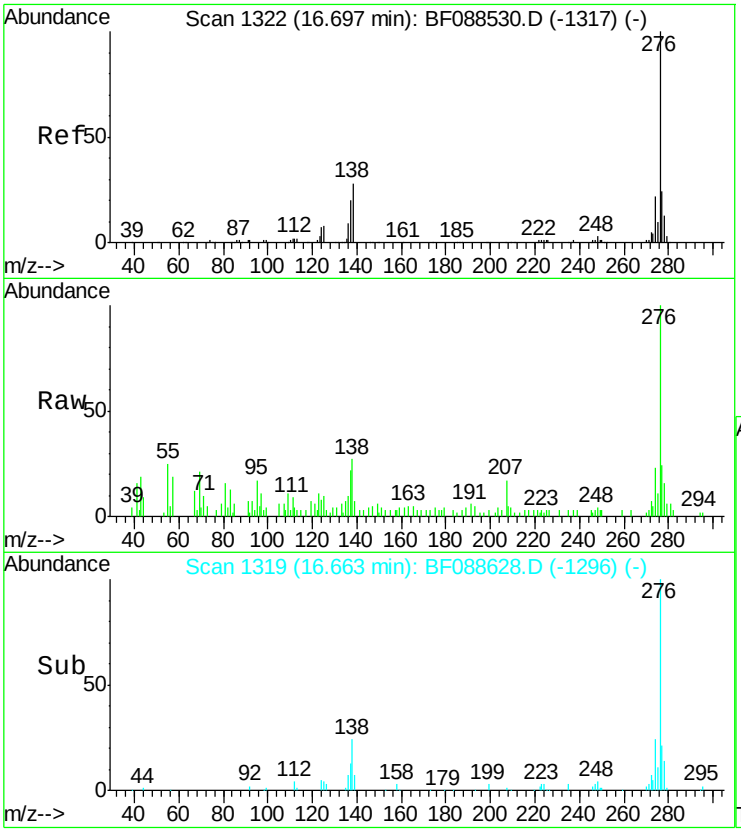




#82
Chrysene
Concen: 3.49 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:228 Resp: 48974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 25.4 | 38.2 |
| 229 | 23.3 | 16.3 | 24.5 |



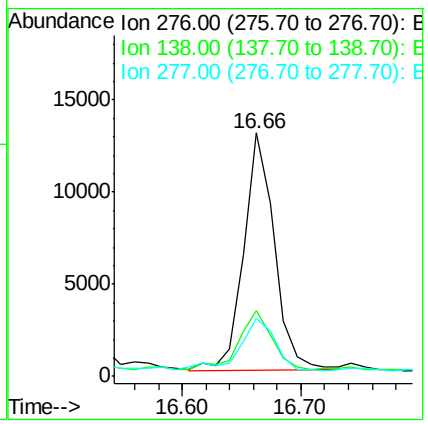


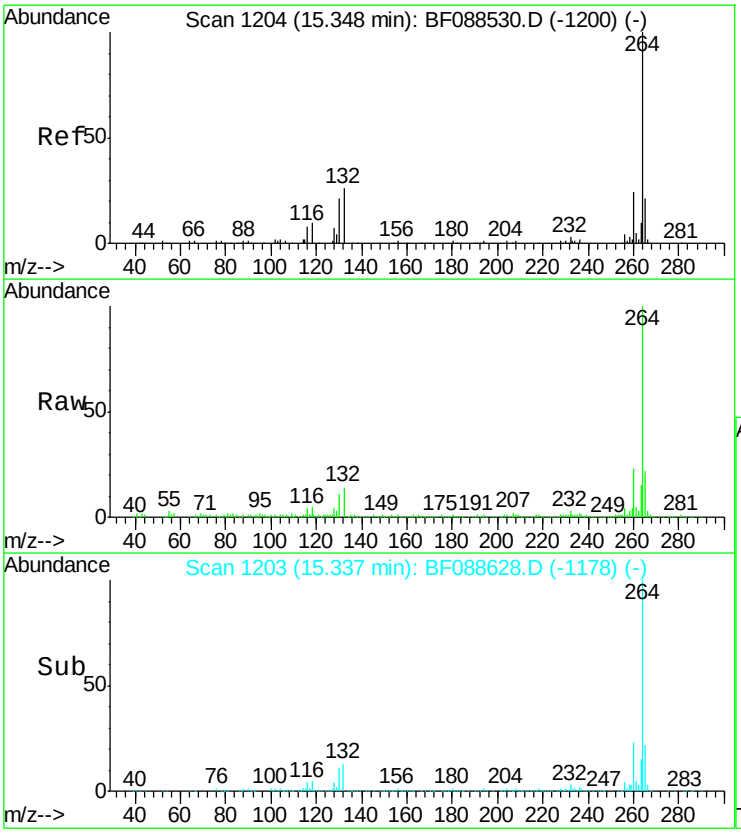

#85
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 16.66 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:276 Resp: 23299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.2 | 0.0 | 0.0# |
| 277 | 25.6 | 0.0 | 0.0# |

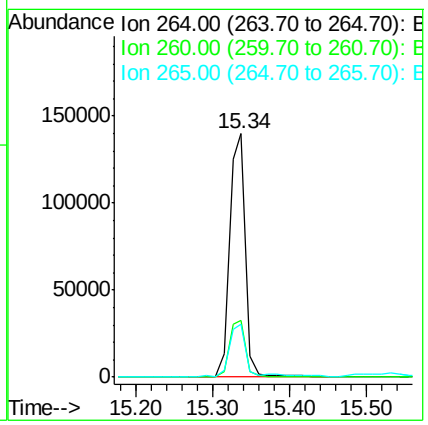


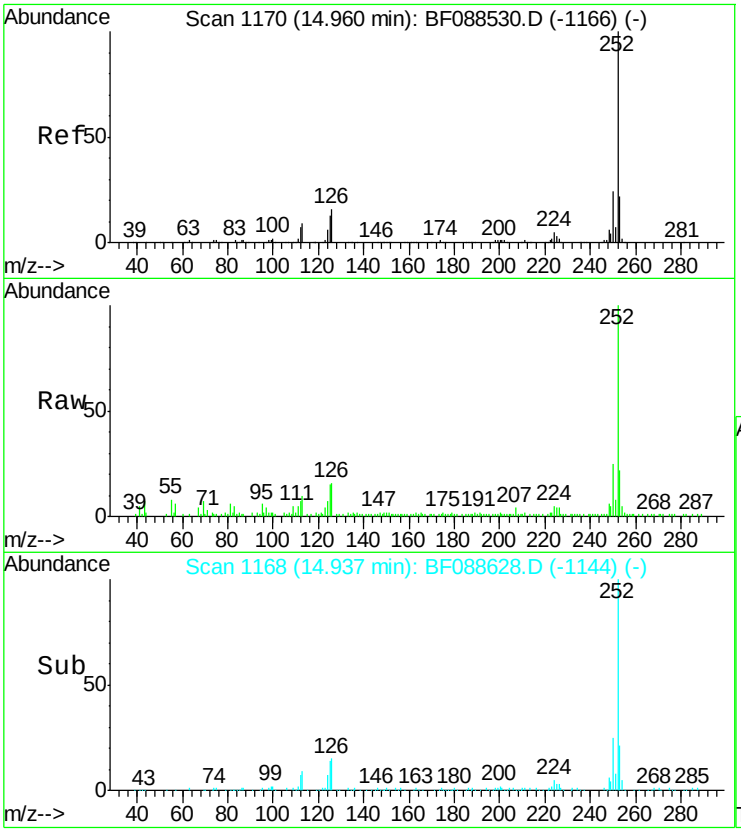




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:264 Resp: 204829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.2 | 28.8 |
| 265 | 21.6 | 16.9 | 25.3 |



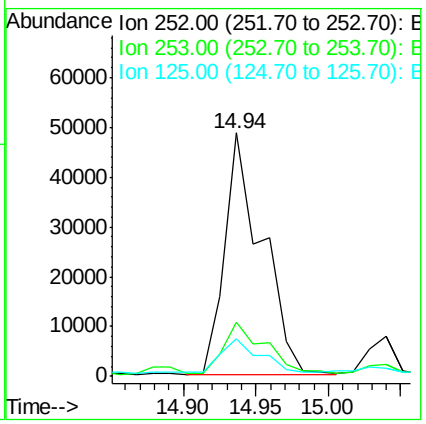


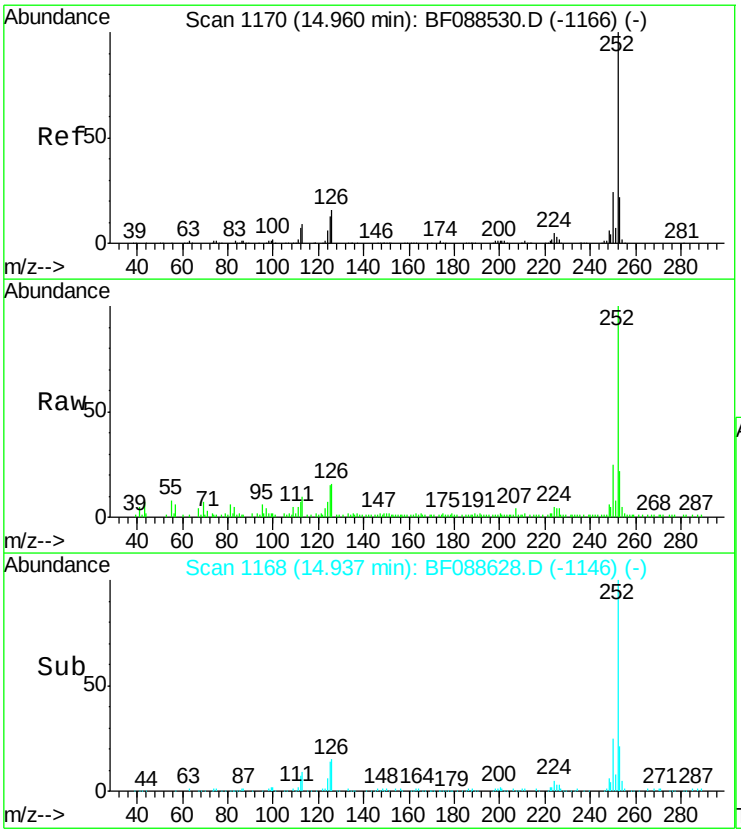

#87
Benzo(b)fluoranthene
Concen: 6.75 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:252 Resp: 86680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.2 |
| 125 | 15.5 | 7.1 | 10.7# |

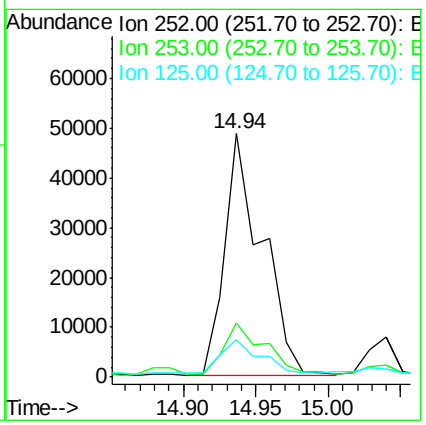


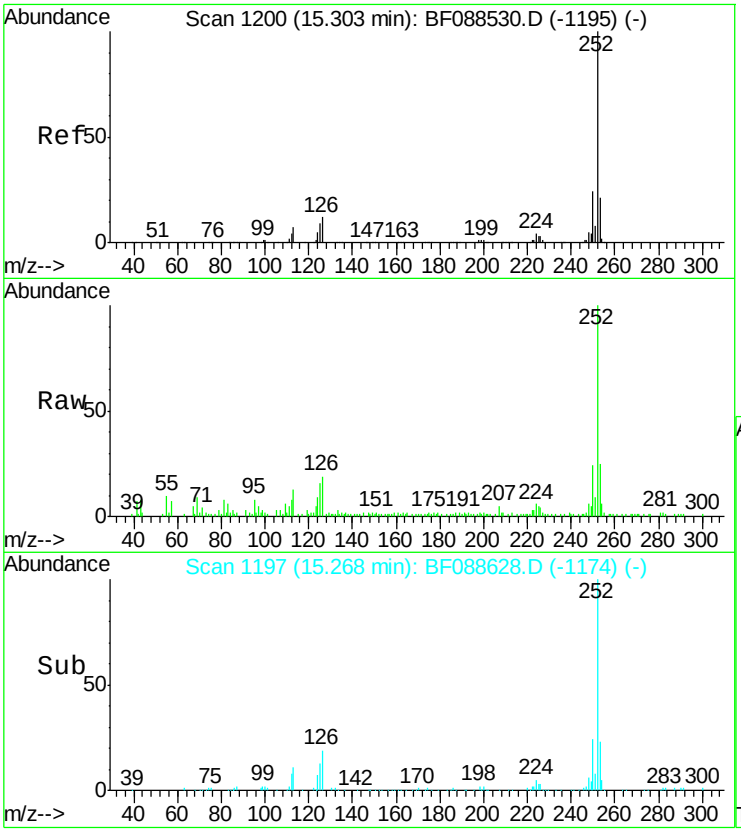




#88
Benzo(k)fluoranthene
Concen: 7.75 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:252 Resp: 86680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.0 | 27.0 |
| 125 | 15.5 | 11.2 | 16.8 |



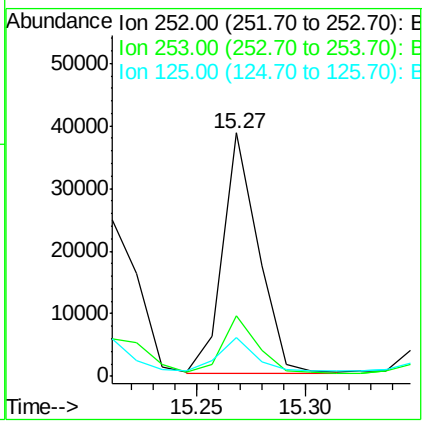


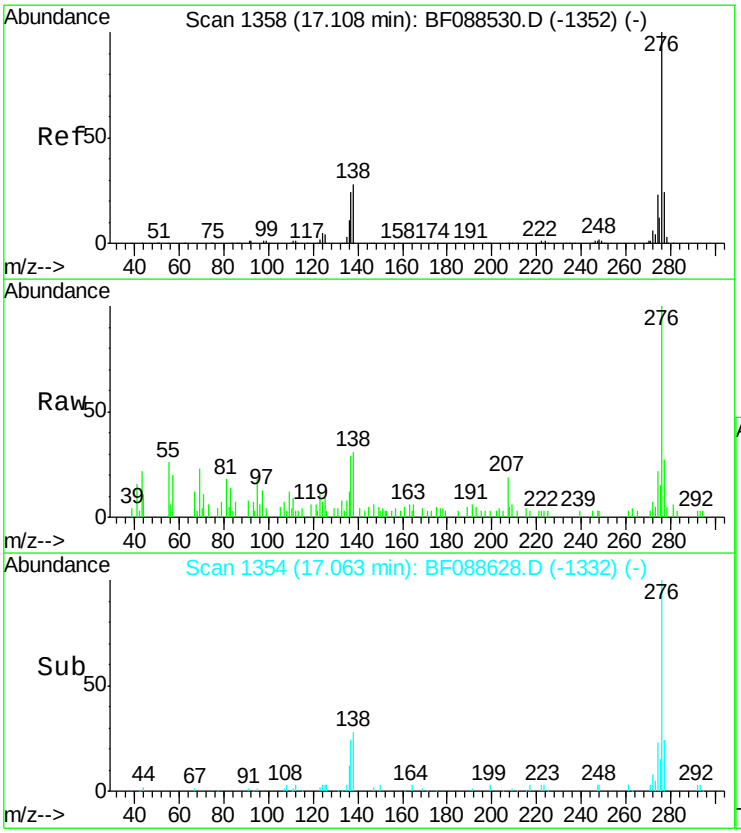

#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
S4-B1(0-11)C

Tgt Ion:252 Resp: 43704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.9 | 26.9 |
| 125 | 15.8 | 12.5 | 18.7 |




#91
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.05 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:276 Resp: 23996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.0 | 18.9 | 28.3 |
| 138 | 30.8 | 21.4 | 32.2 |