Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
Data File : BF081029.D
Acq On : 18 Aug 2015 4:48
Operator : UM/IZ
Sample : G3310-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-DS03-0012-01

Quant Time: Aug 18 05:53:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:57:25 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.63 | 152 | 62862 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.91 | 136 | 215309 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 96336 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 163790 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.75 | 240 | 124213 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.11 | 264 | 100040 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 418849 | 100.22 | ng | | 0.02 |
| 7) Phenol-d6 | 6.27 | 99 | 531398 | 97.45 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.20 | 82 | 380900 | 80.81 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 78111 | 93.54 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 529612 | 72.03 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.72 | 244 | 350758 | 60.54 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 51522 | 13.64 | ng | # | 67 |
| 25) Isophorone | 7.20 | 82 | 371433 | 42.26 | ng | # | 71 |
| 49) Dimethylphthalate | 9.39 | 163 | 96927 | 12.22 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.66 | 165 | 12371 | 5.48 | ng | # | 16 |
| 66) 4-Bromophenyl-phenylether | 10.44 | 248 | 6246 | 3.88 | ng | # | 1 |
| 74) Fluoranthene | 12.33 | 202 | 32233 | 3.08 | ng | | 94 |
| 77) Pyrene | 12.56 | 202 | 30250 | 3.00 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.74 | 228 | 19994 | 2.40 | ng | # | 89 |
| 82) Chrysene | 13.74 | 228 | 19994 | 2.66 | ng | # | 92 |
| 87) Benzo(b)fluoranthene | 14.74 | 252 | 31424 | 4.44 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 14.74 | 252 | 31424 | 4.77 | ng | | 96 |
| 89) Benzo(a)pyrene | 15.05 | 252 | 15264 | 2.48 | ng | # | 95 |

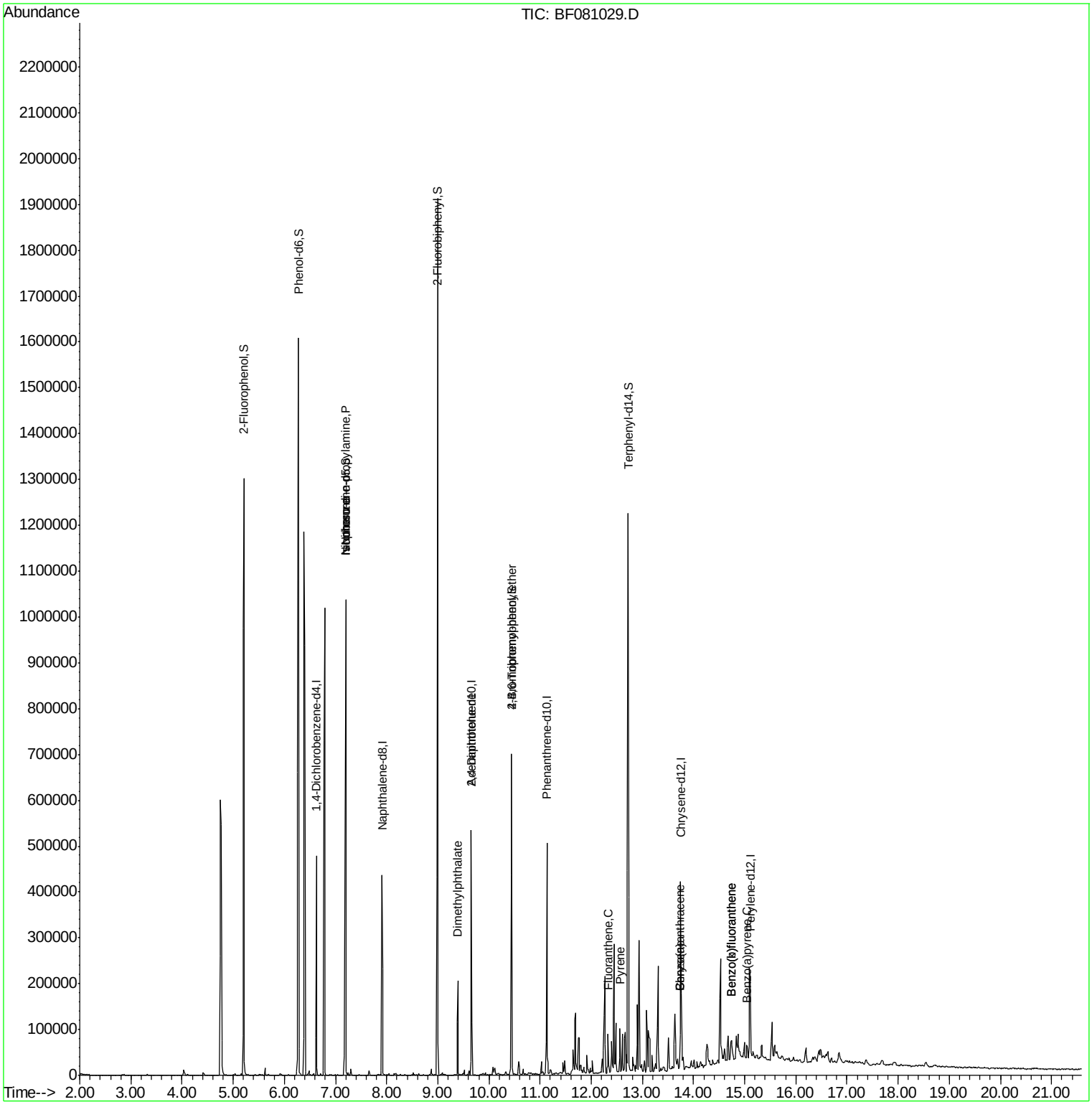
(#) = qualifier out of range (m) = manual integration (+) = signals summed

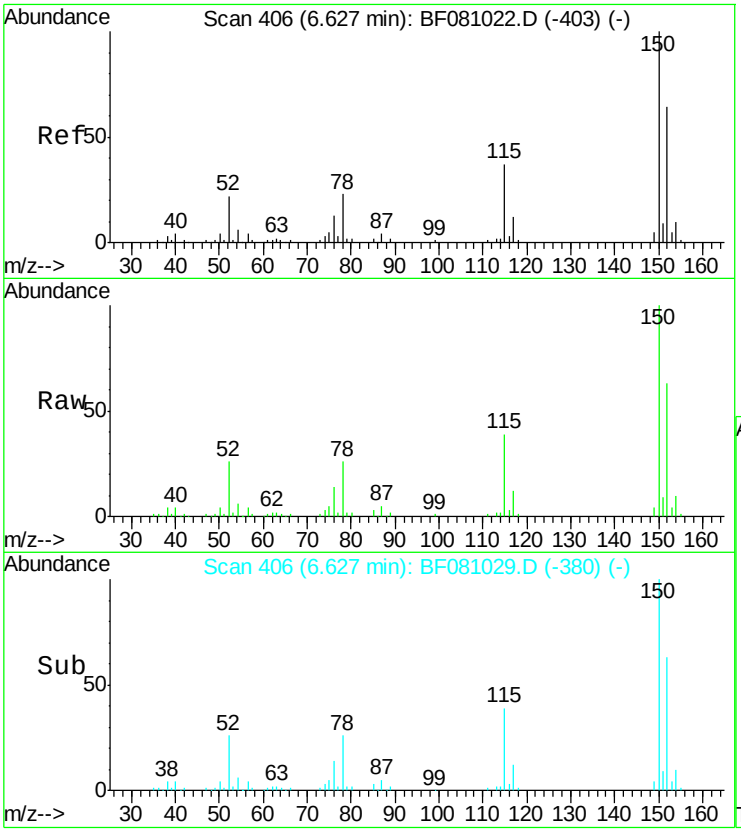
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
Data File : BF081029.D
Acq On : 18 Aug 2015 4:48
Operator : UM/IZ
Sample : G3310-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Quant Time: Aug 18 05:53:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:57:25 2015
Response via : Initial Calibration



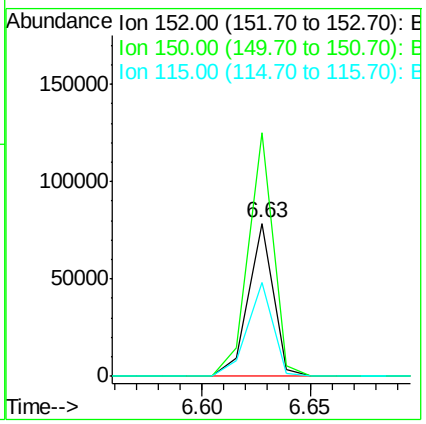


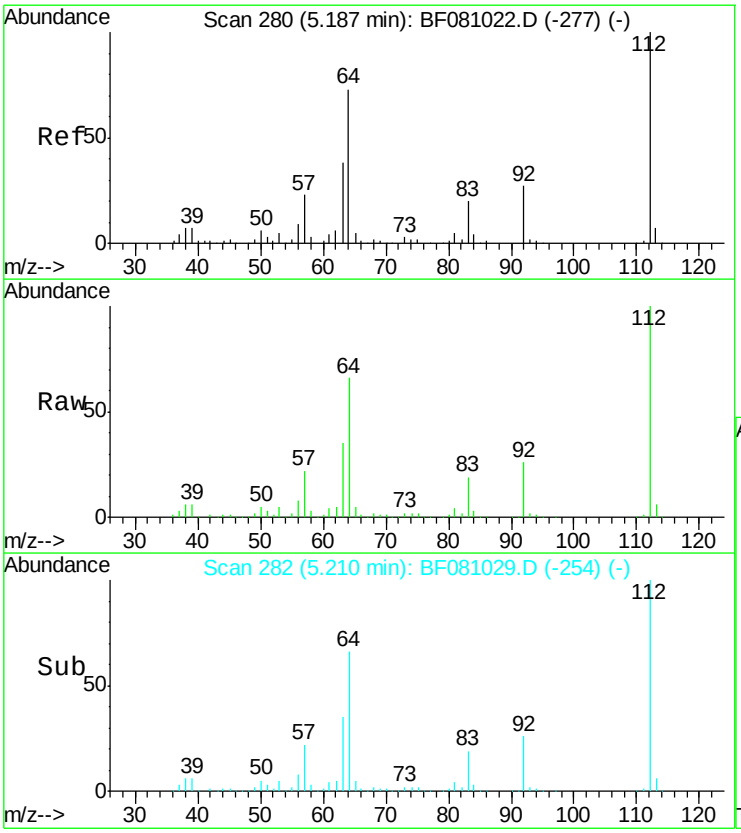

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:152 Resp: 62862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.7 | 123.8 | 185.6 |
| 115 | 61.5 | 52.1 | 78.1 |

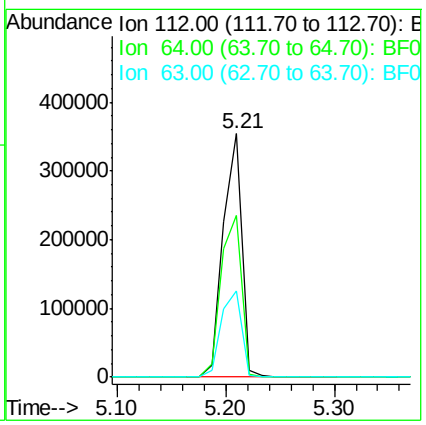


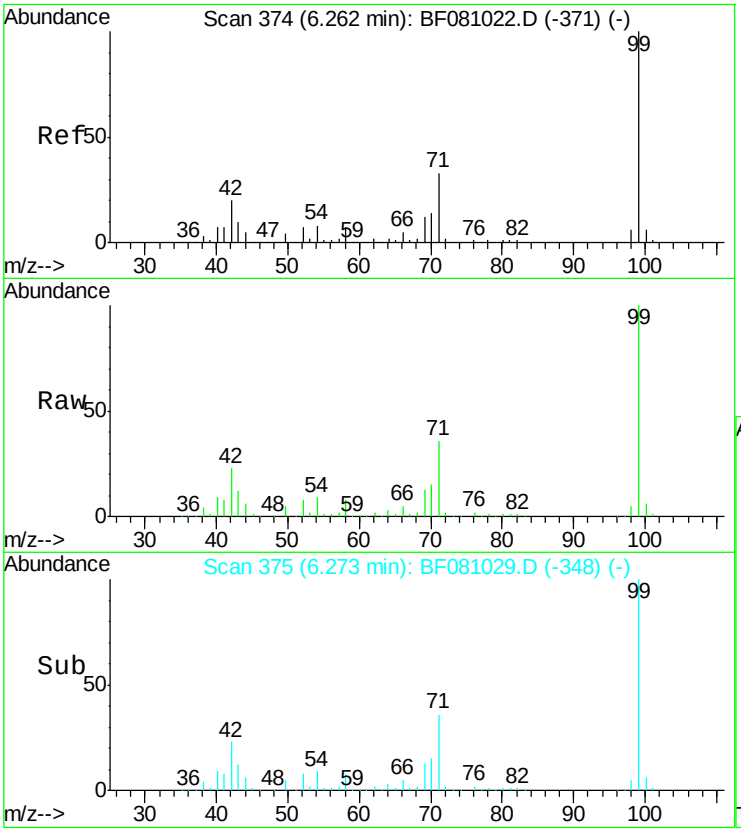




#5
2-Fluorophenol
Concen: 100.22 ng
RT: 5.21 min Scan# 282
Delta R.T. 0.02 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:112 Resp: 418849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.4 | 66.9 | 100.3# |
| 63 | 35.3 | 38.1 | 57.1# |



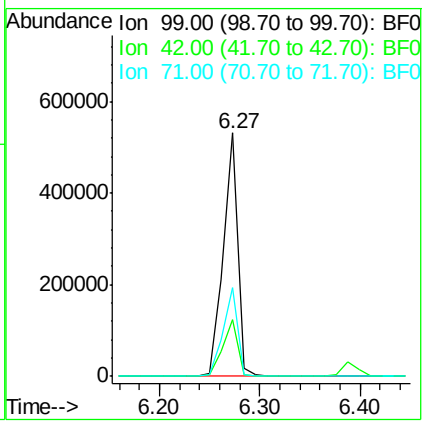


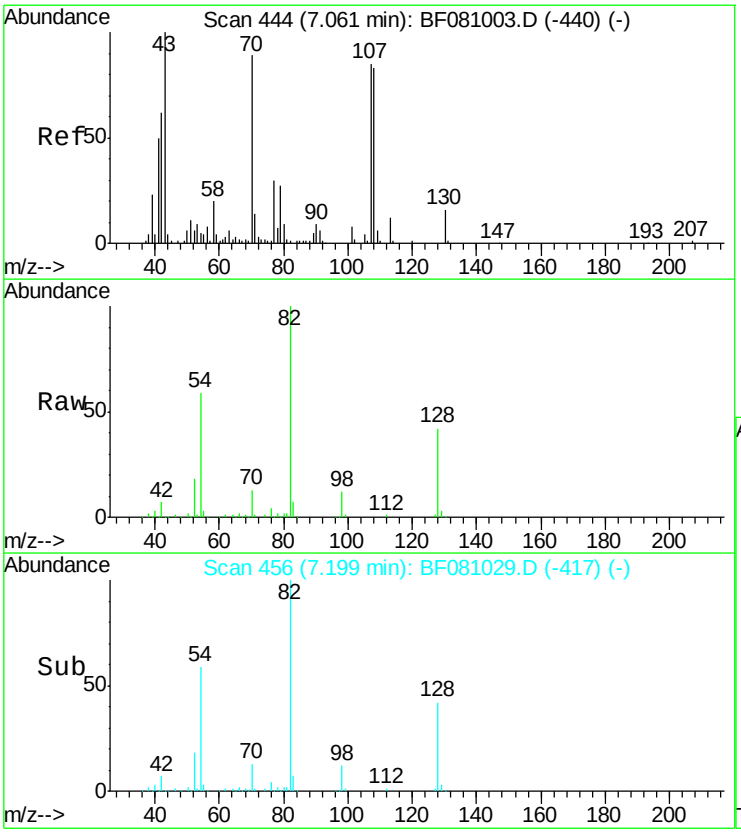

#7
Phenol-d6
Concen: 97.45 ng
RT: 6.27 min Scan# 375
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion: 99 Resp: 531398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.5 | 19.6 | 29.4 |
| 71 | 36.4 | 31.2 | 46.8 |

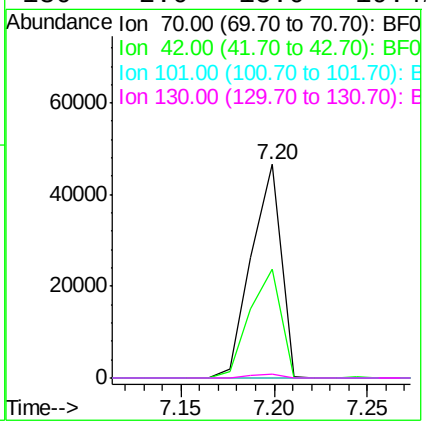


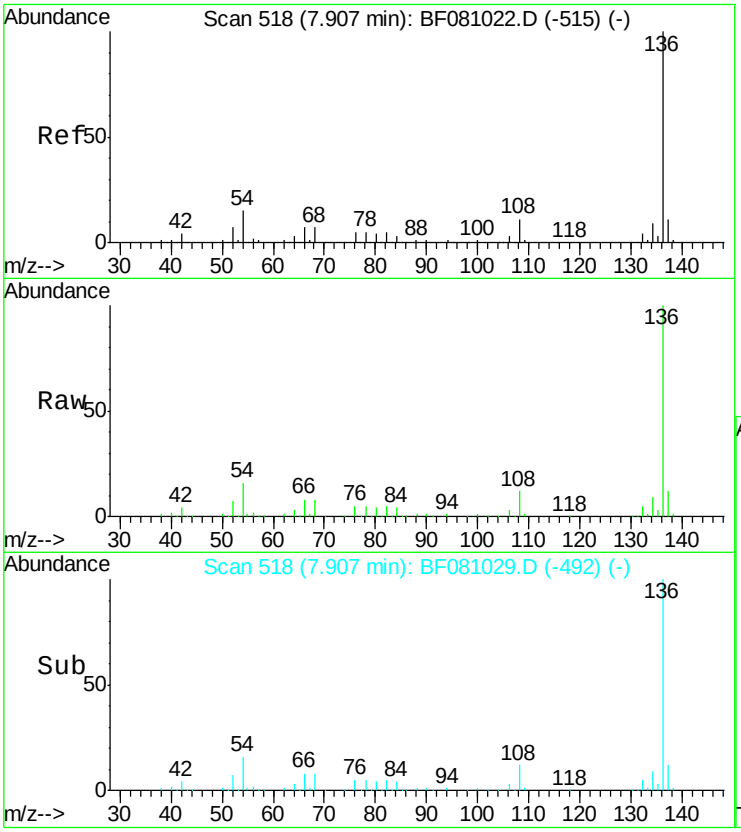




#19
n-Nitroso-di-n-propylamine
Concen: 13.64 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.15 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion: 70 Resp: 51522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.8 | 65.0 | 97.4# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.0 | 13.0 | 19.4# |



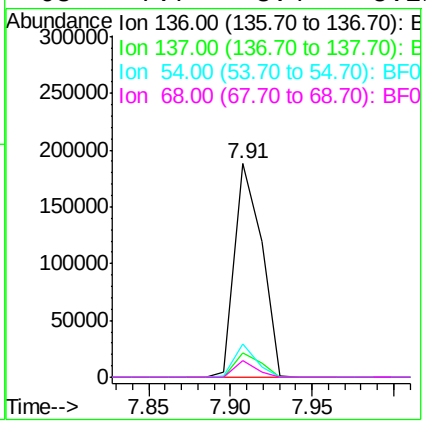


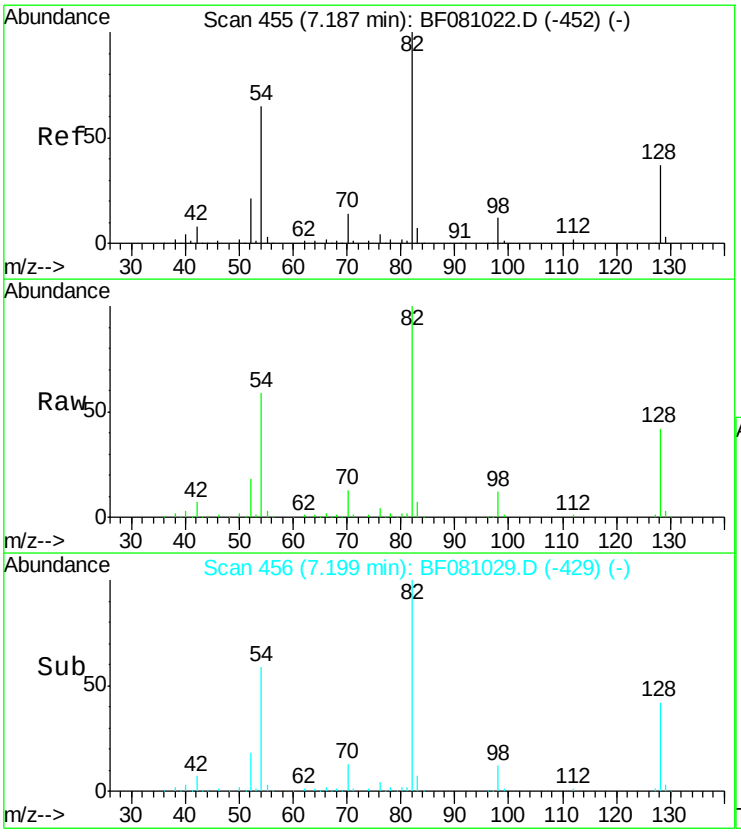

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:136 Resp: 215309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.2 | 12.2 |
| 54 | 15.6 | 7.7 | 11.5# |
| 68 | 7.7 | 3.4 | 5.2# |

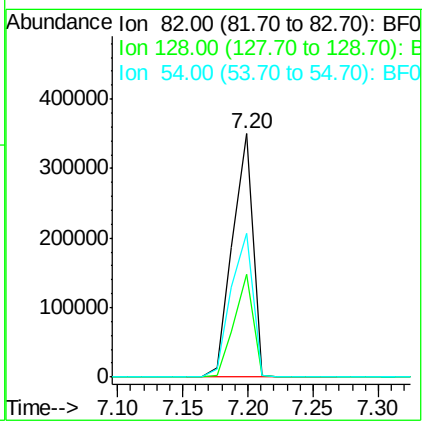


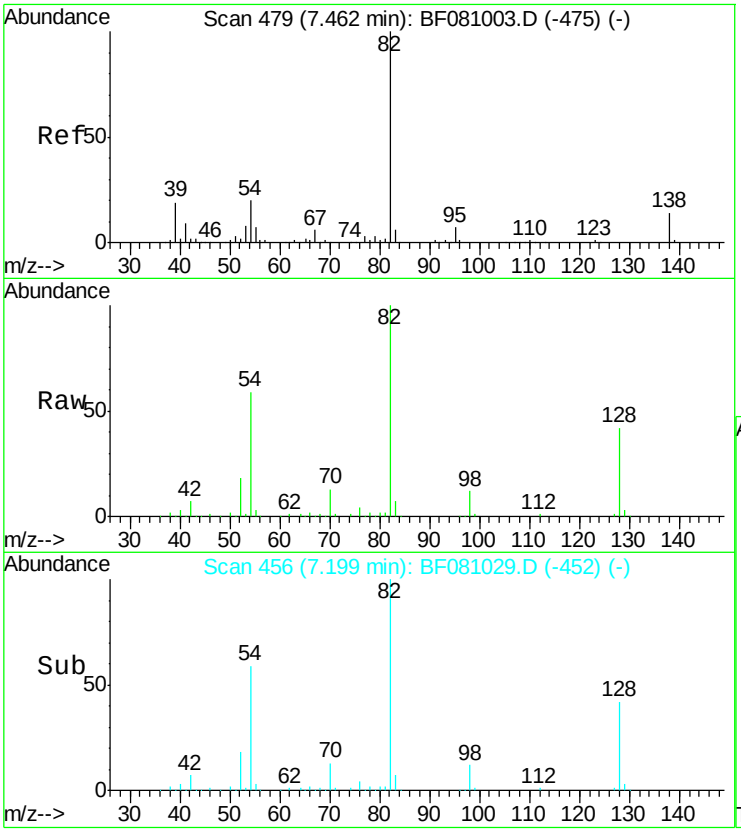




#23
Nitrobenzene-d5
Concen: 80.81 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion: 82 Resp: 380900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 28.6 | 42.8 |
| 54 | 59.0 | 55.1 | 82.7 |



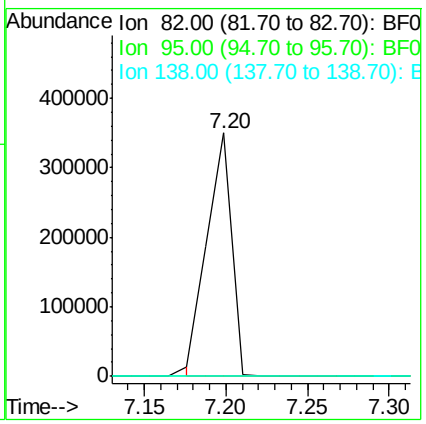


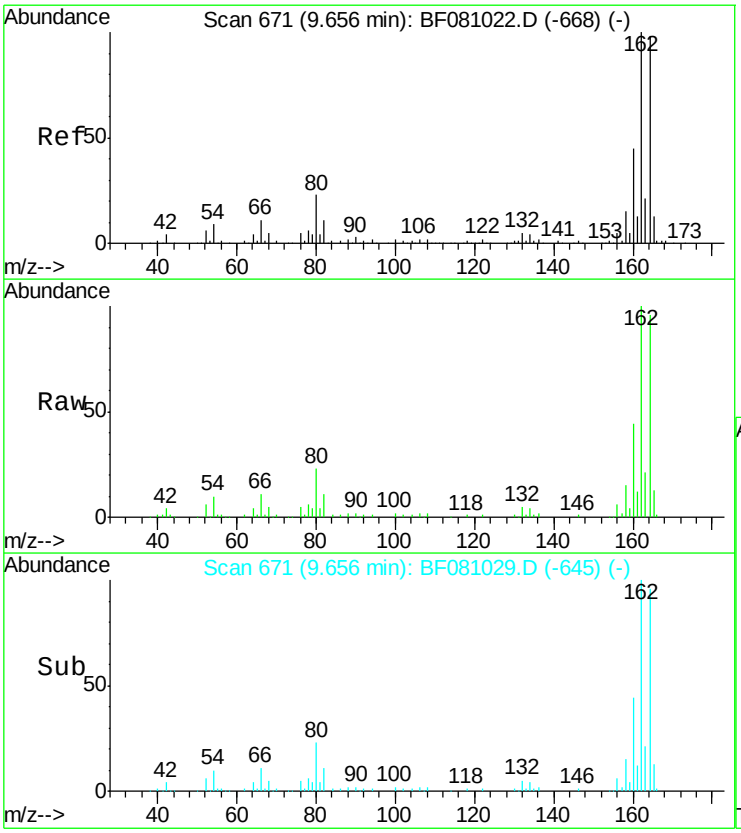

#25
Isophorone
Concen: 42.26 ng
RT: 7.20 min Scan# 456
Delta R.T. -0.25 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion: 82 Resp: 371433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 6.2 | 9.2# |
| 138 | 0.0 | 10.5 | 15.7# |

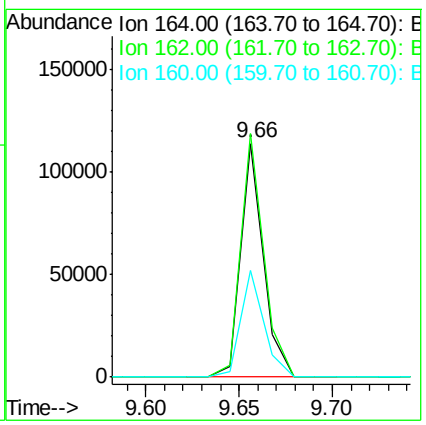


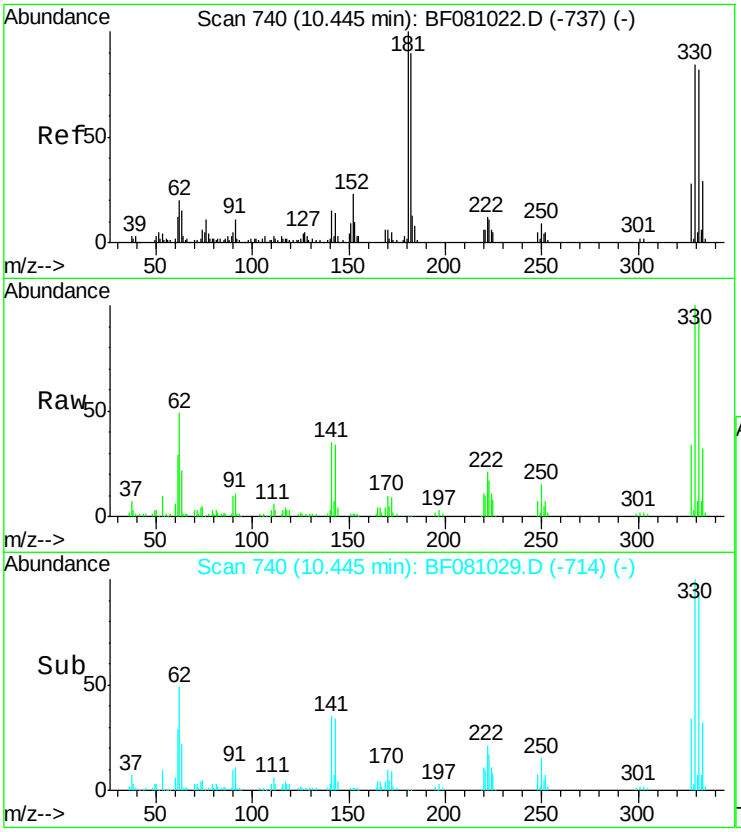




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:164 Resp: 96336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 83.8 | 125.8 |
| 160 | 45.8 | 39.8 | 59.8 |



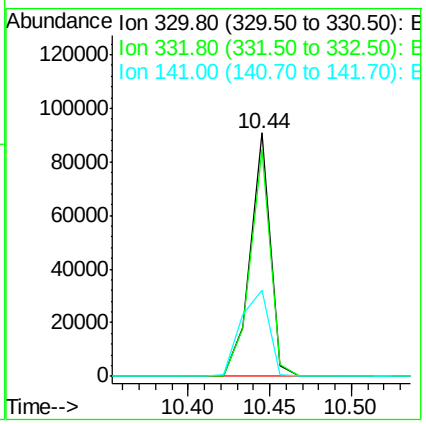


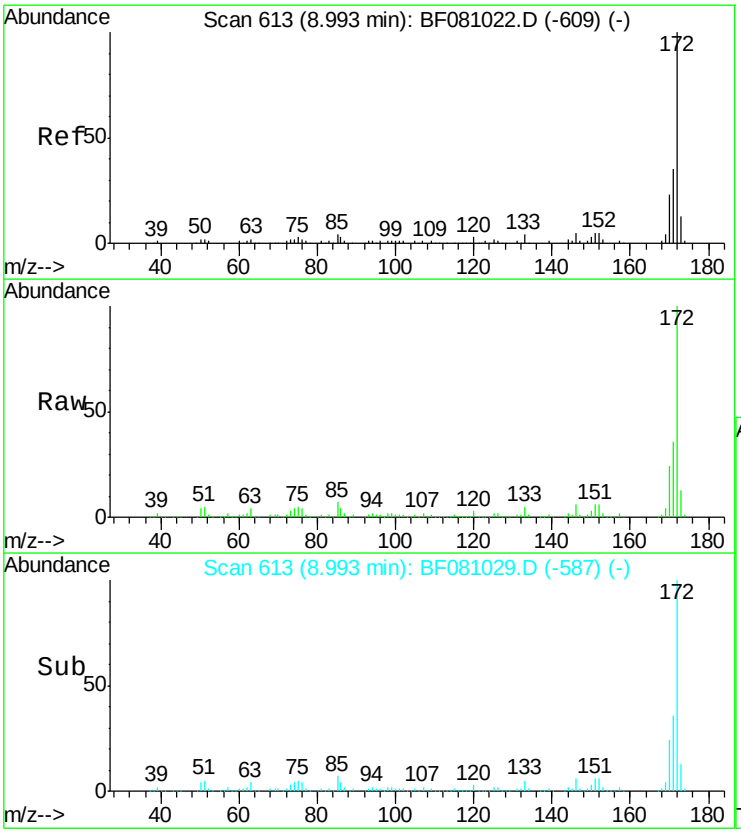

#41
2,4,6-Tribromophenol
Concen: 93.54 ng
RT: 10.44 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:330 Resp: 78111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.0 | 77.3 | 115.9 |
| 141 | 49.6 | 44.9 | 67.3 |

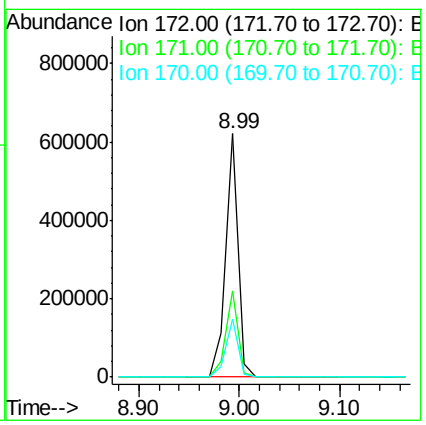


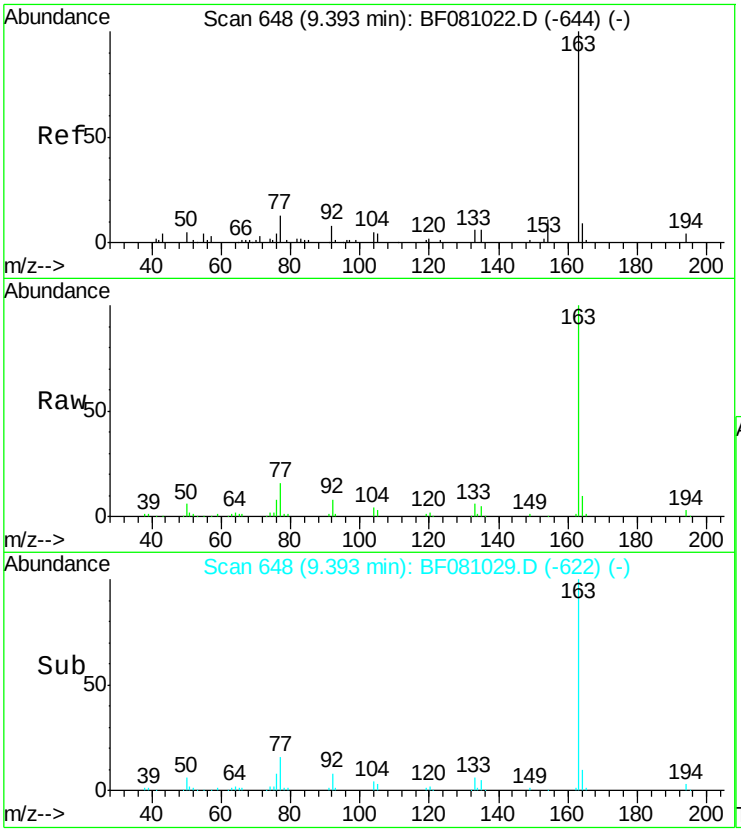




#44
2-Fluorobiphenyl
Concen: 72.03 ng
RT: 8.99 min Scan# 613
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:172 Resp: 529612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.9 | 43.3 |
| 170 | 24.0 | 19.4 | 29.2 |



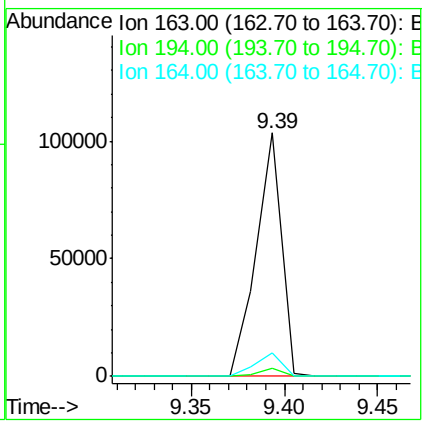


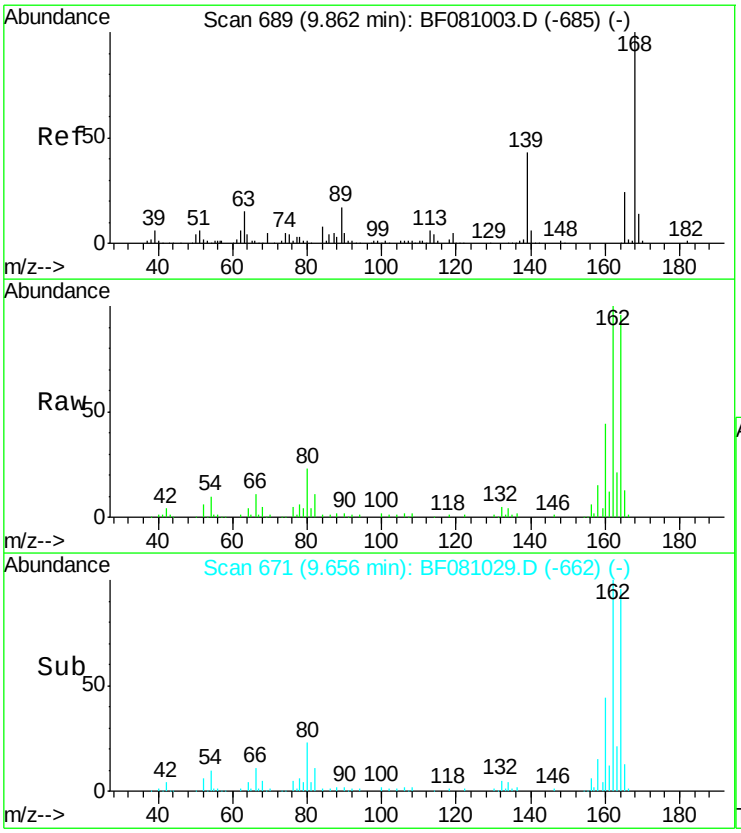

#49
Dimethylphthalate
Concen: 12.22 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:163 Resp: 96927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.5 | 3.7 |
| 164 | 9.6 | 8.1 | 12.1 |

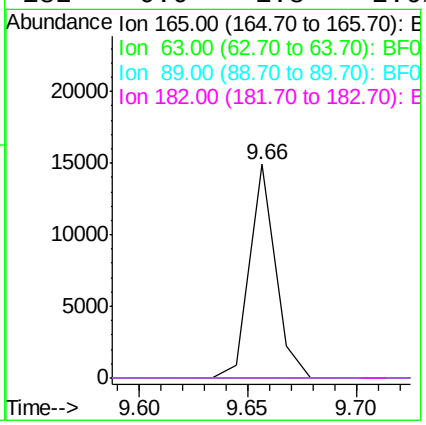


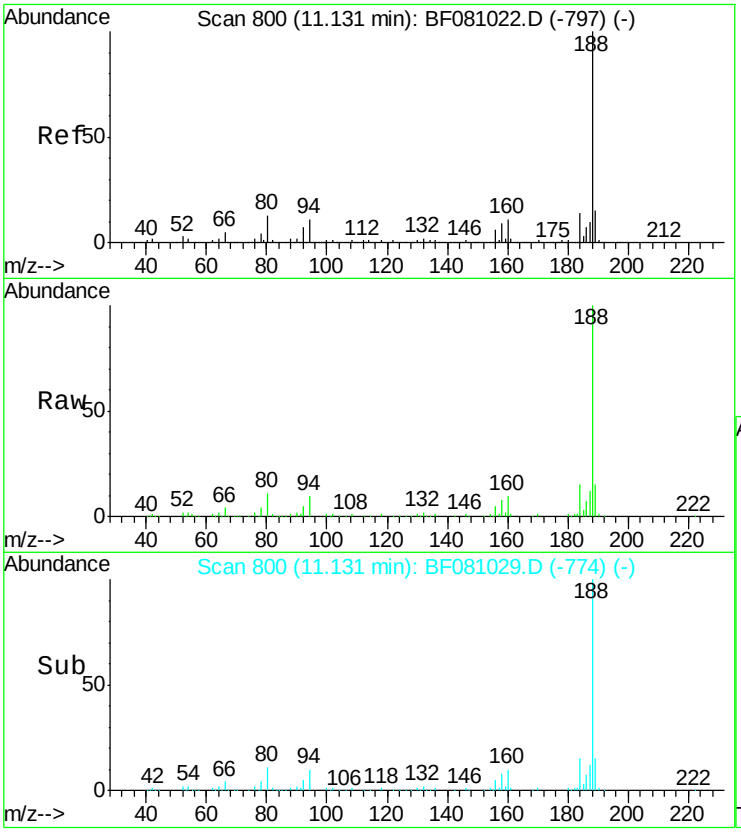




#56
2,4-Dinitrotoluene
Concen: 5.48 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:165 Resp: 12371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 52.2 | 78.4# |
| 89 | 0.0 | 60.1 | 90.1# |
| 182 | 0.0 | 1.8 | 2.6# |



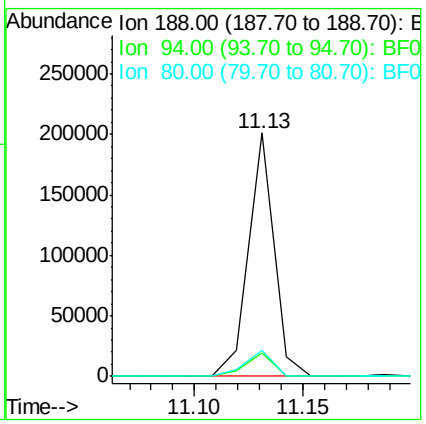


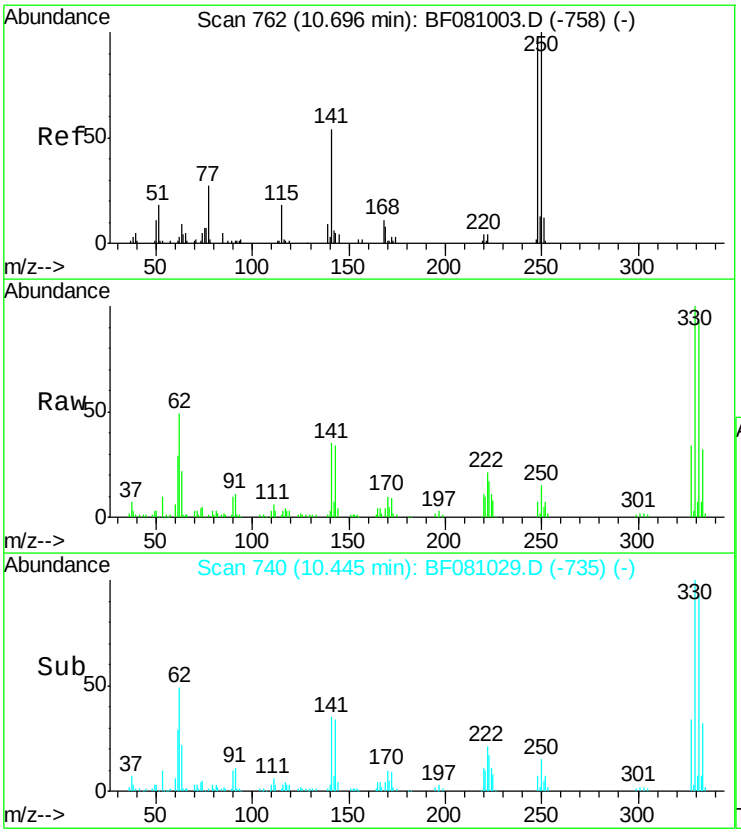

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:188 Resp: 163790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.2 | 12.2 |
| 80 | 10.6 | 9.5 | 14.3 |

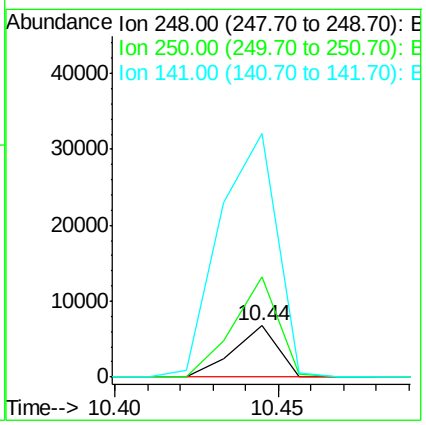


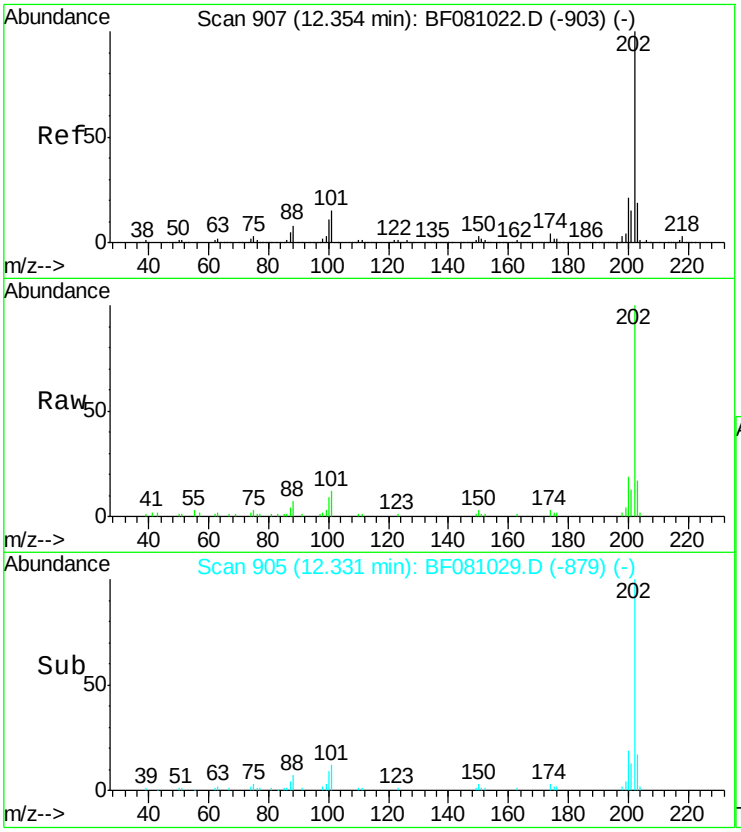




#66
4-Bromophenyl-phenylether
Concen: 3.88 ng
RT: 10.44 min Scan# 740
Delta R.T. -0.24 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:248 Resp: 6246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.1 | 77.8 | 116.6# |
| 141 | 477.0 | 39.8 | 59.6# |



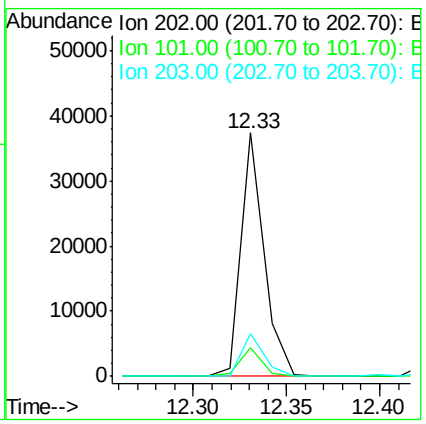


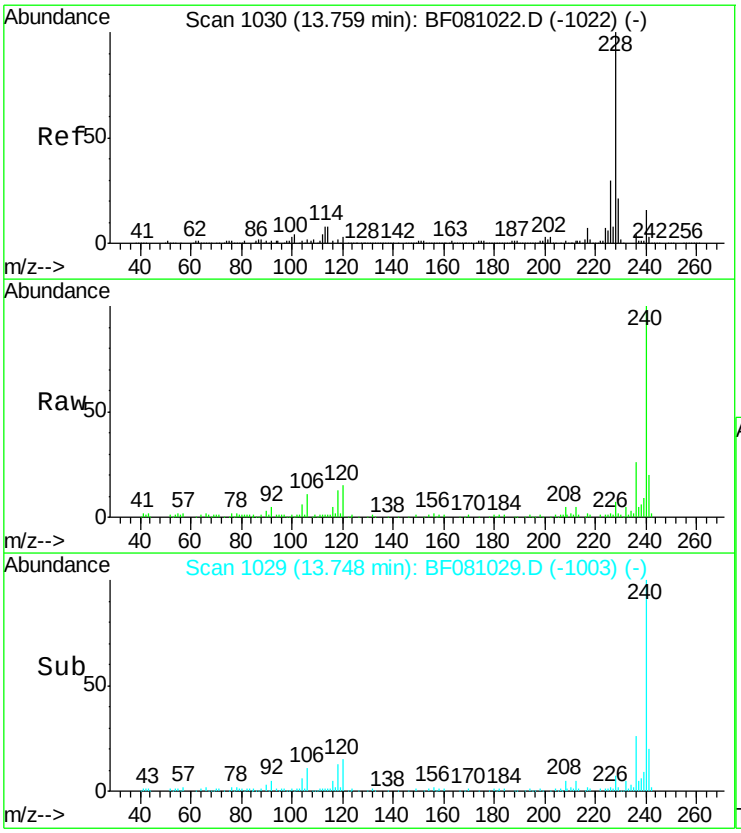

#74
Fluoranthene
Concen: 3.08 ng
RT: 12.33 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:202 Resp: 32233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 24.8 |
| 203 | 17.5 | 0.0 | 36.9 |

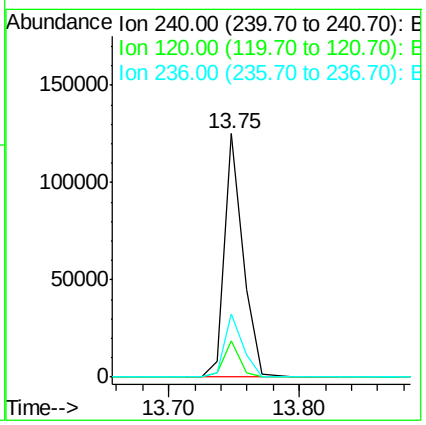


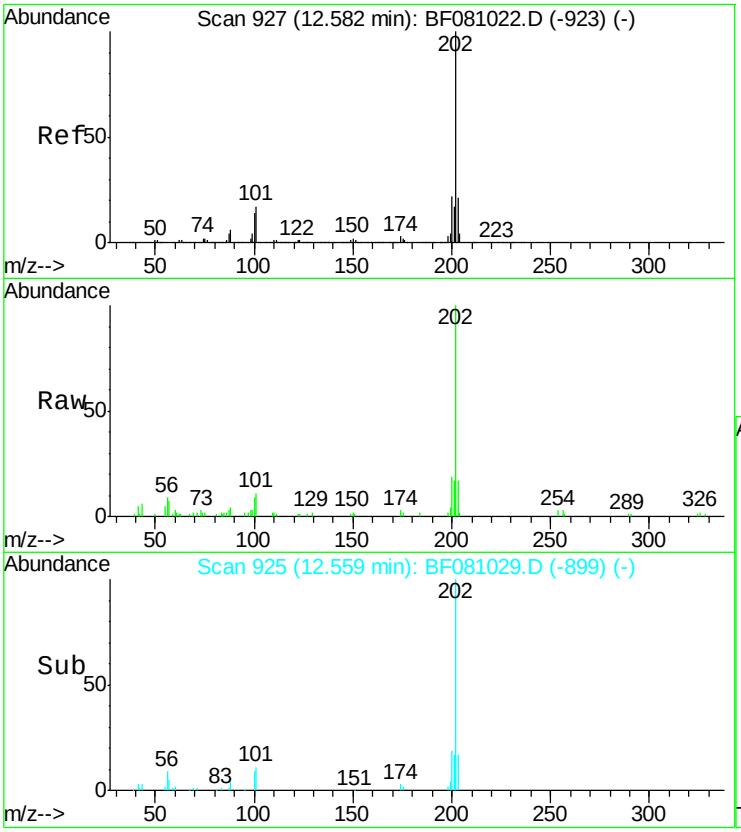




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:240 Resp: 124213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.0 | 5.6 | 8.4# |
| 236 | 26.0 | 20.6 | 30.8 |



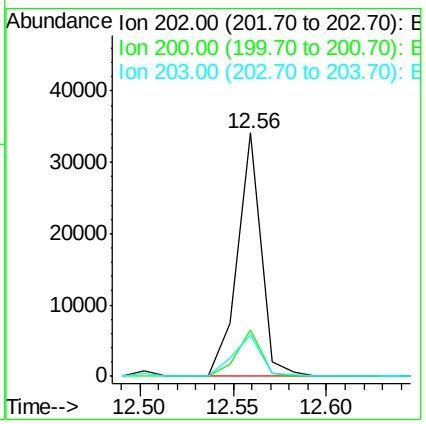


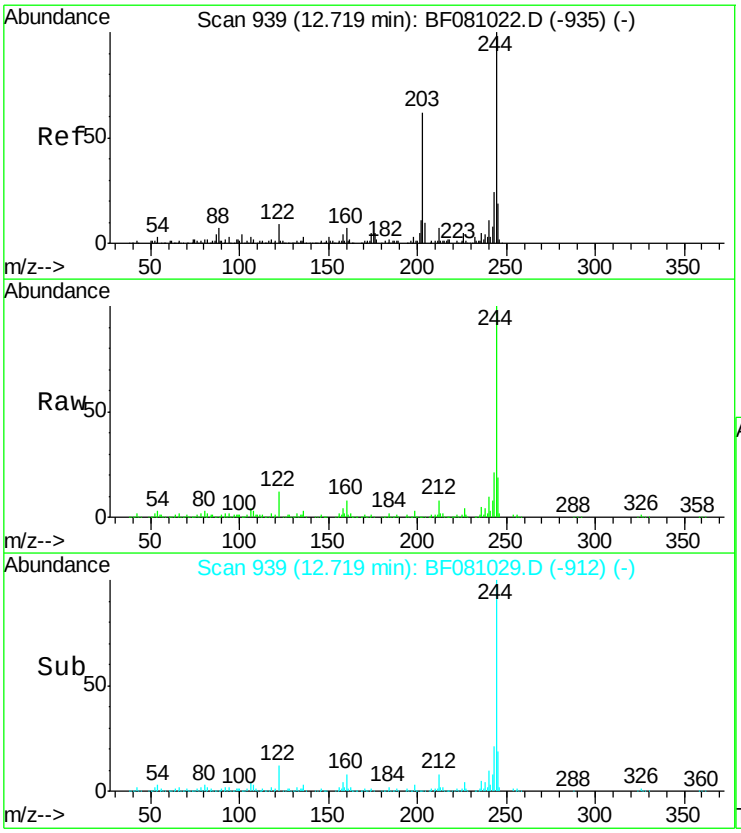

#77
Pyrene
Concen: 3.00 ng
RT: 12.56 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:202 Resp: 30250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.1 | 16.6 | 24.8 |
| 203 | 17.3 | 14.1 | 21.1 |

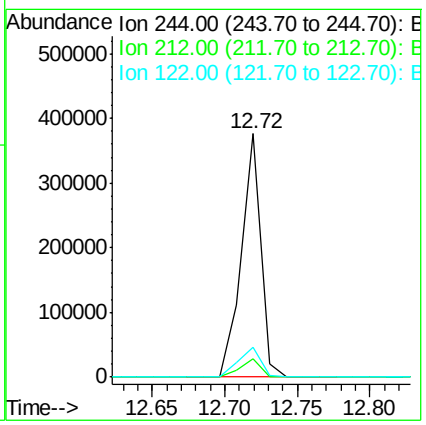


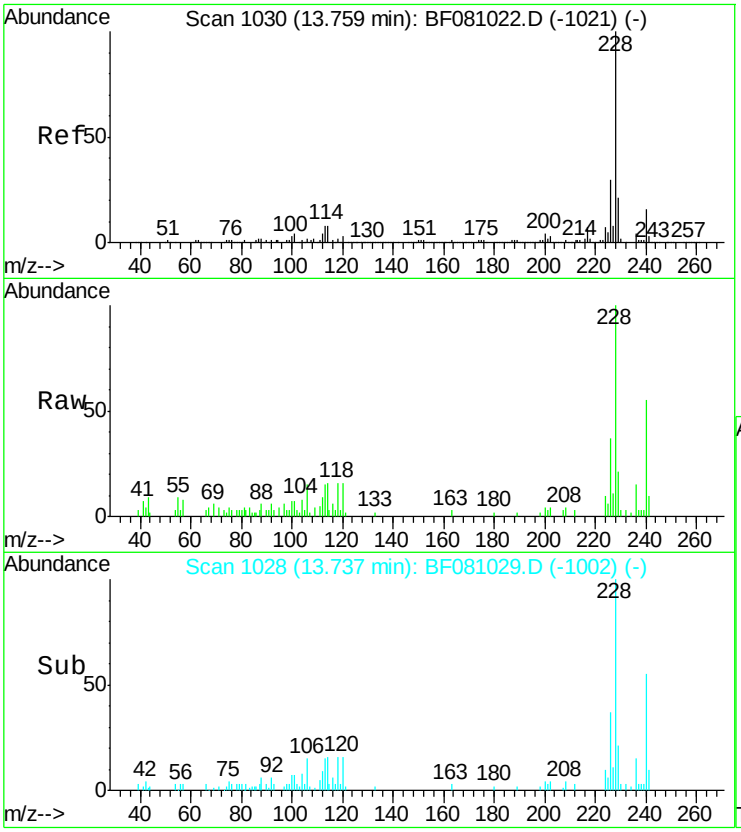




#78
Terphenyl-d14
Concen: 60.54 ng
RT: 12.72 min Scan# 939
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:244 Resp: 350758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 5.8 | 8.8 |
| 122 | 12.0 | 8.2 | 12.4 |



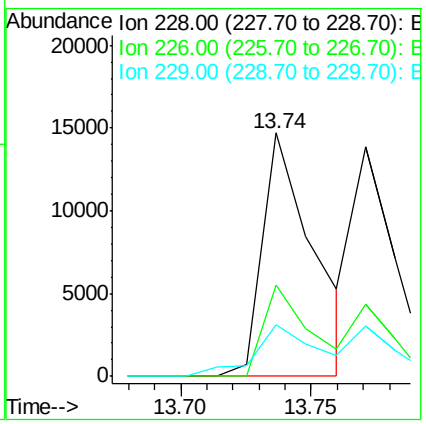


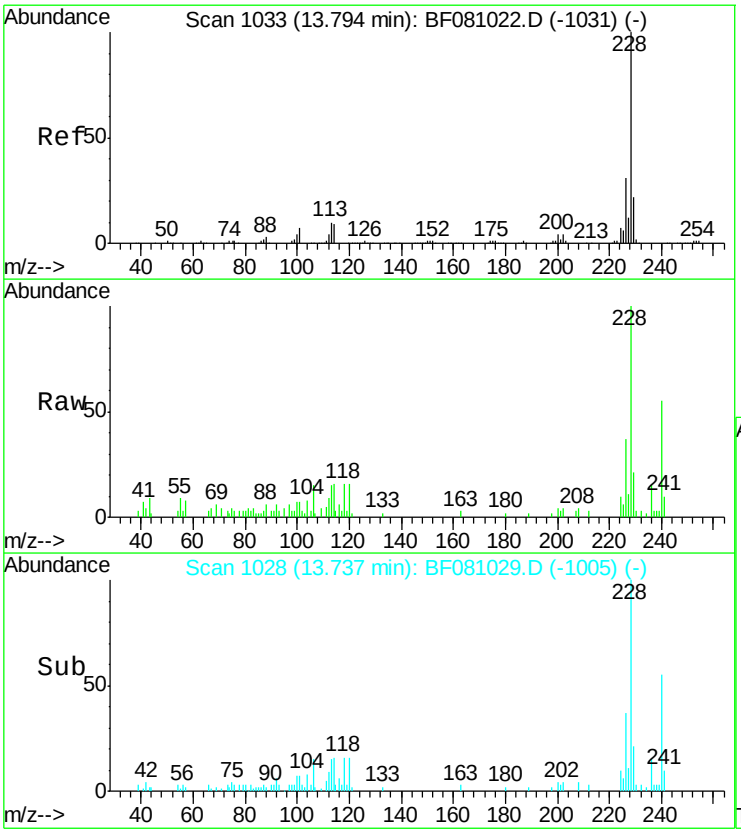

#80
Benzo(a)anthracene
Concen: 2.40 ng
RT: 13.74 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:228 Resp: 19994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.3 | 22.3 | 33.5# |
| 229 | 21.1 | 15.9 | 23.9 |

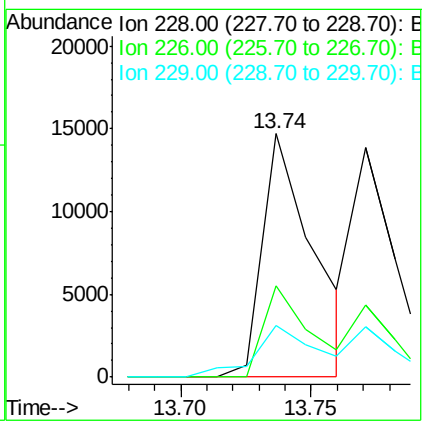


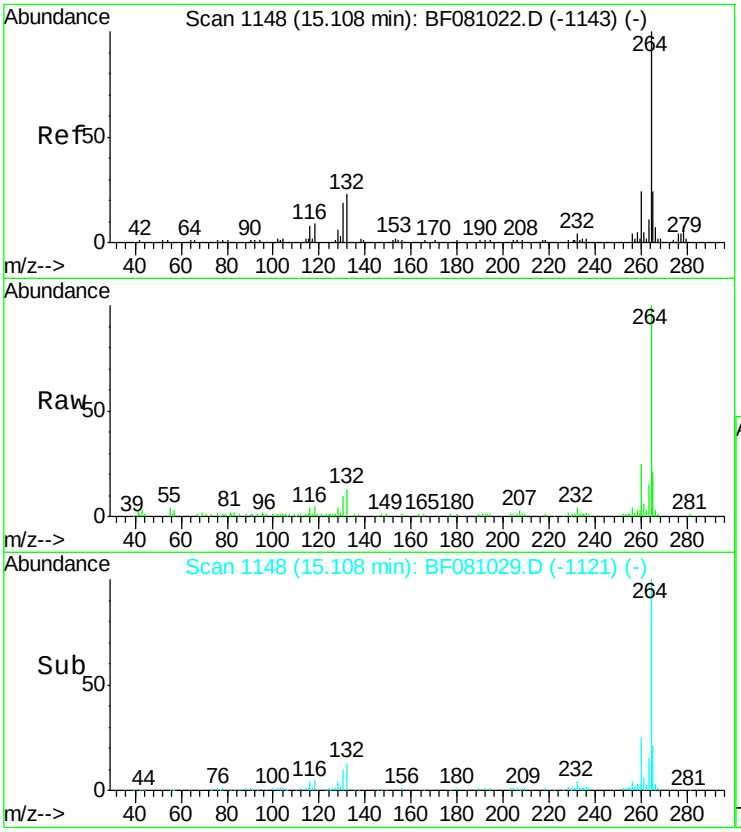




#82
Chrysene
Concen: 2.66 ng
RT: 13.74 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:228 Resp: 19994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.3 | 24.4 | 36.6# |
| 229 | 21.1 | 16.0 | 24.0 |



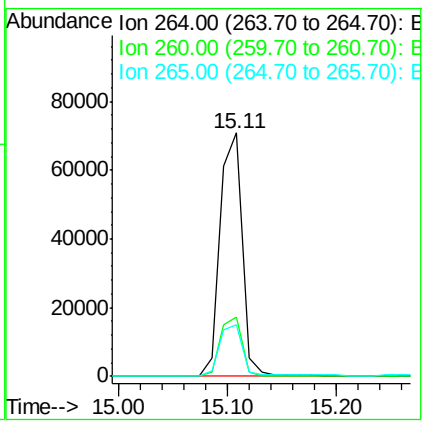


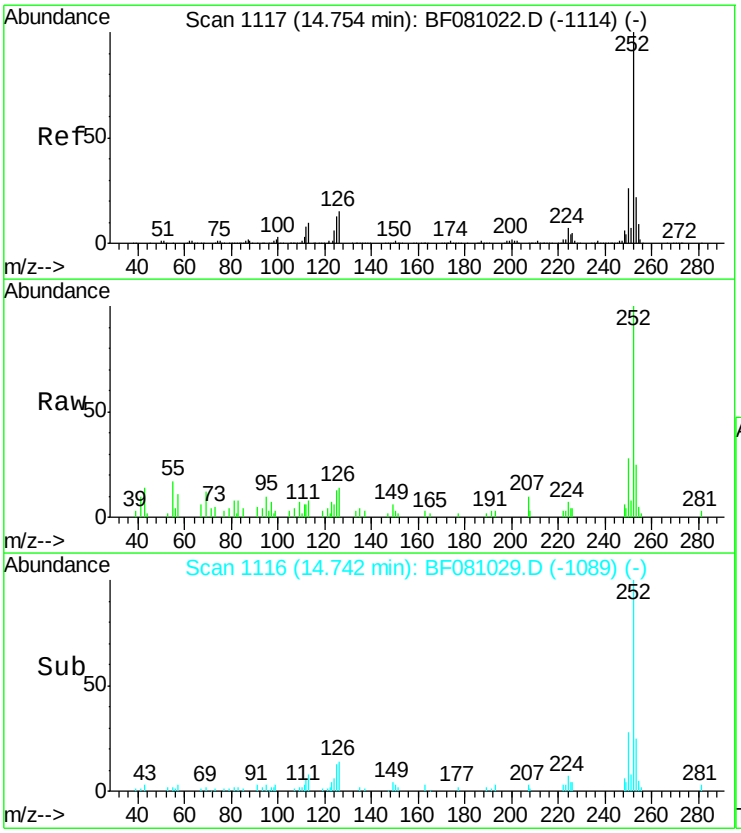

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:264 Resp: 100040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 19.6 | 29.4 |
| 265 | 21.5 | 17.5 | 26.3 |

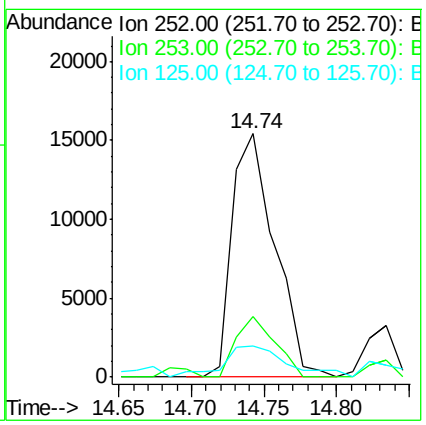


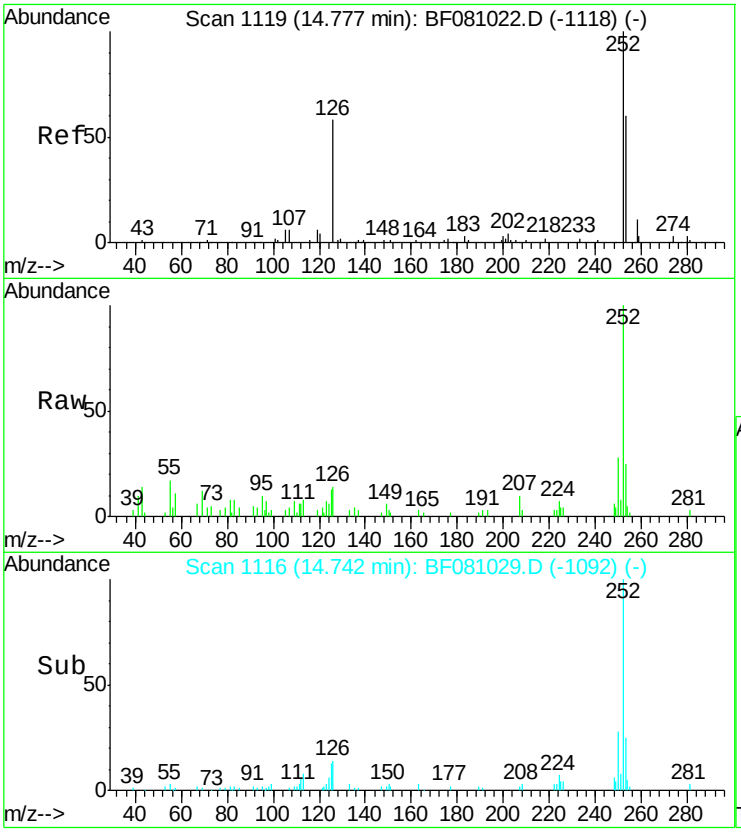




#87
Benzo(b)fluoranthene
Concen: 4.44 ng
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:252 Resp: 31424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.1 | 25.7 |
| 125 | 12.8 | 8.0 | 12.0# |



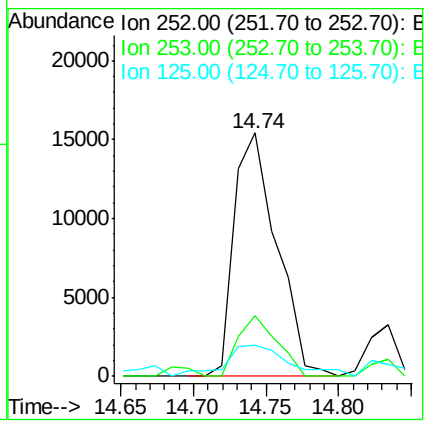


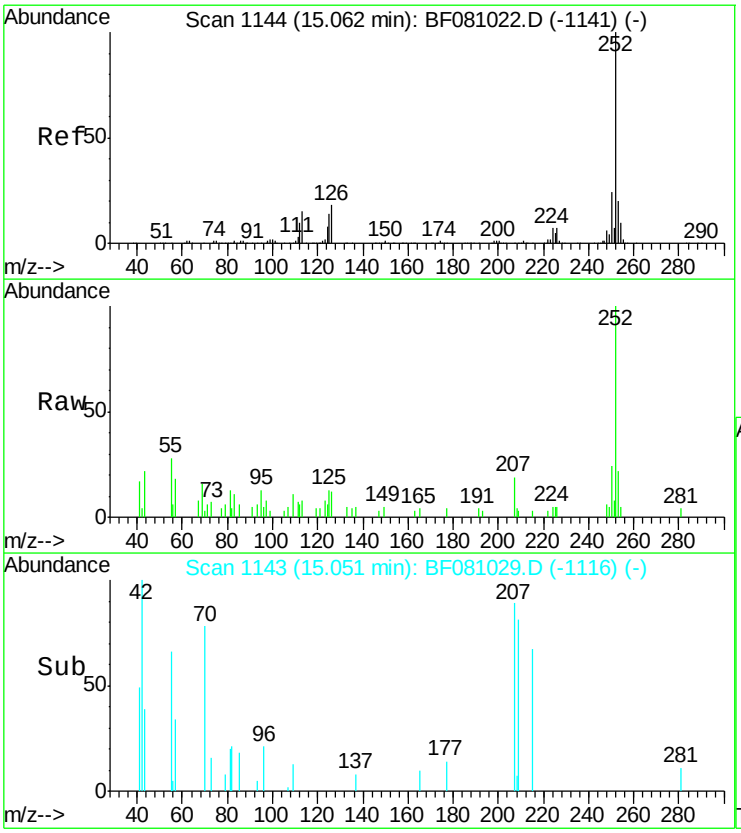

#88
Benzo(k)fluoranthene
Concen: 4.77 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

**Instrument :**
BNA_F
**ClientSampleId :**
P001-DS03-0012-01

Tgt Ion:252 Resp: 31424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.6 | 26.4 |
| 125 | 12.8 | 10.3 | 15.5 |




#89
Benzo(a)pyrene
Concen: 2.48 ng
RT: 15.05 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:252 Resp: 15264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 16.6 | 25.0 |
| 125 | 12.9 | 7.8 | 11.8# |