Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
Data File : BF081607.D
Acq On : 14 Sep 2015 14:34
Operator : UM/IZ
Sample : G3597-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-1(0-5)

Quant Time: Sep 15 01:30:13 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 14 13:51:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 50653 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.13 | 136 | 210515 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.26 | 164 | 98069 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 18.77 | 188 | 190631 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 23.38 | 240 | 110892 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.82 | 264 | 98570 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 55460 | 16.99 | ng | | 0.00 |
| 7) Phenol-d6 | 7.63 | 99 | 86744 | 20.07 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.51 | 82 | 57211 | 13.11 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 17.16 | 330 | 14137 | 16.19 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.76 | 172 | 106090 | 13.86 | ng | | -0.02 |
| 78) Terphenyl-d14 | 22.10 | 244 | 82437 | 17.31 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.54 | 88 | 57840 | 39.45 | ng | # | 11 |
| 19) n-Nitroso-di-n-propylamine | 9.51 | 70 | 7710 | 2.62 | ng | # | 61 |
| 49) Dimethylphthalate | 14.82 | 163 | 21255 | 2.79 | ng | # | 95 |
| 70) Phenanthrene | 18.81 | 178 | 83183 | 7.85 | ng | | 98 |
| 74) Fluoranthene | 21.43 | 202 | 171701 | 14.97 | ng | | 90 |
| 77) Pyrene | 21.78 | 202 | 178438 | 21.72 | ng | | 97 |
| 80) Benzo(a)anthracene | 23.42 | 228 | 63211 | 8.95 | ng | | 94 |
| 82) Chrysene | 23.42 | 228 | 63263 | 9.99 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 23.50 | 149 | 22340 | 4.74 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 25.88 | 276 | 36098 | 7.77 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 24.48 | 252 | 99514 | 14.14 | ng | # | 88 |
| 88) Benzo(k)fluoranthene | 24.48 | 252 | 100148 | 17.15 | ng | # | 88 |
| 89) Benzo(a)pyrene | 24.78 | 252 | 57527 | 9.65 | ng | # | 81 |
| 90) Dibenzo(a,h)anthracene | 25.88 | 278 | 9606 | 2.08 | ng | # | 78 |
| 91) Benzo(g,h,i)perylene | 26.17 | 276 | 35061 | 7.97 | ng | # | 77 |

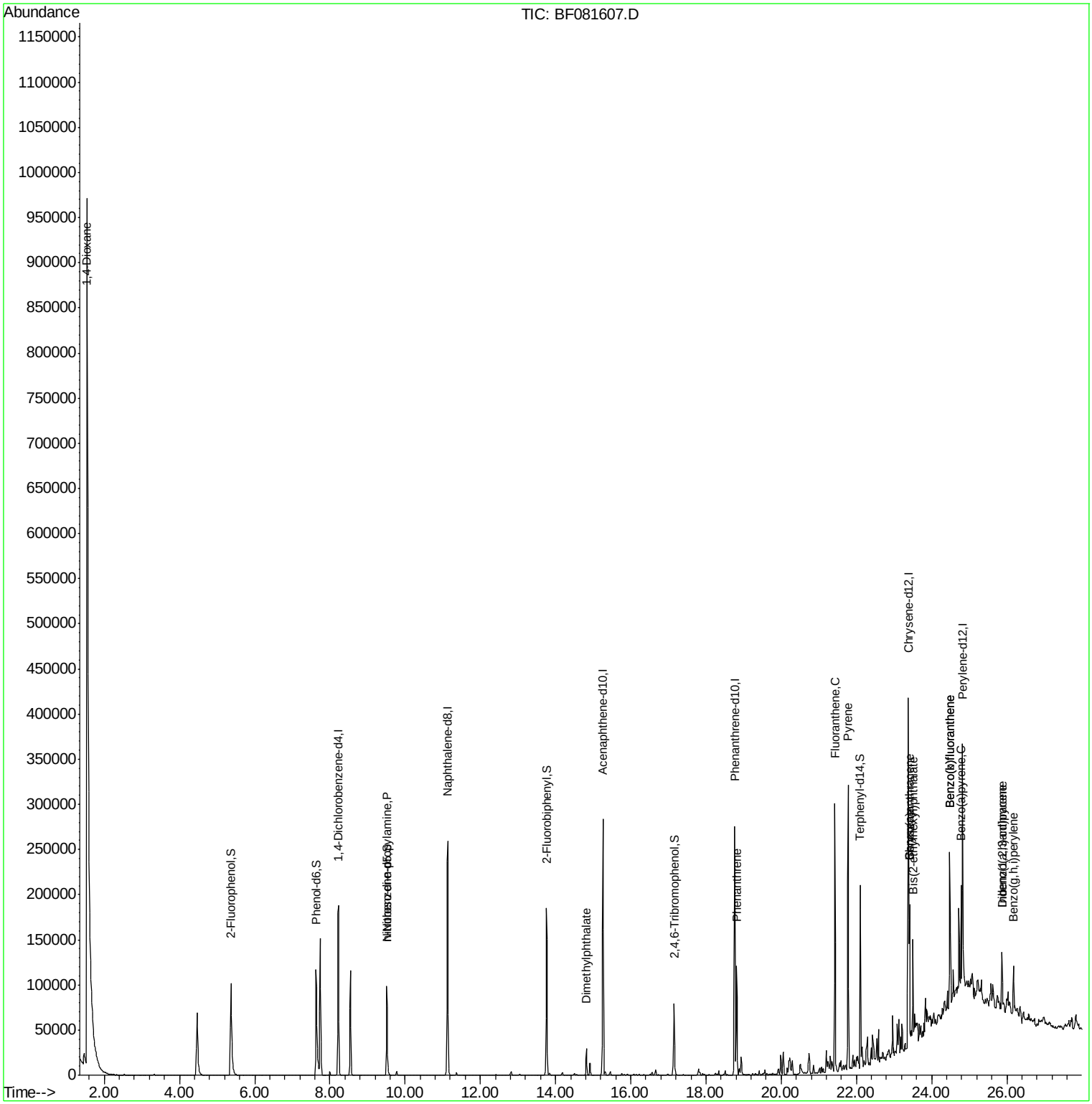
(#) = qualifier out of range (m) = manual integration (+) = signals summed

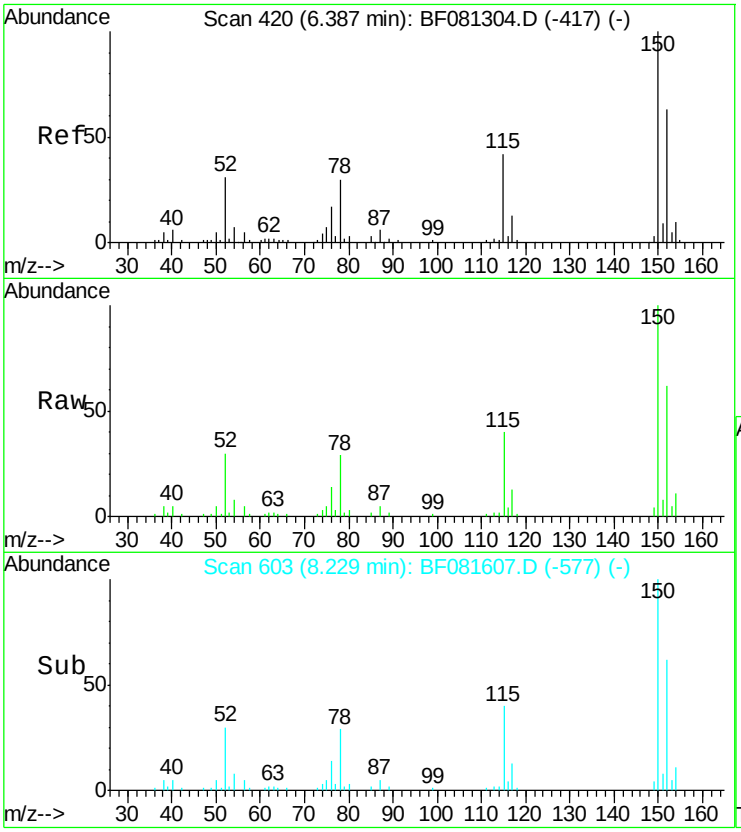
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
Data File : BF081607.D
Acq On : 14 Sep 2015 14:34
Operator : UM/IZ
Sample : G3597-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Quant Time: Sep 15 01:30:13 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 14 13:51:56 2015
Response via : Initial Calibration



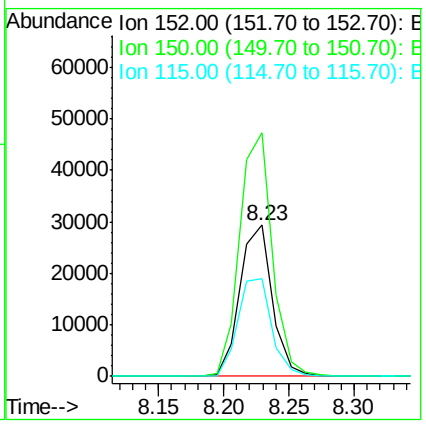


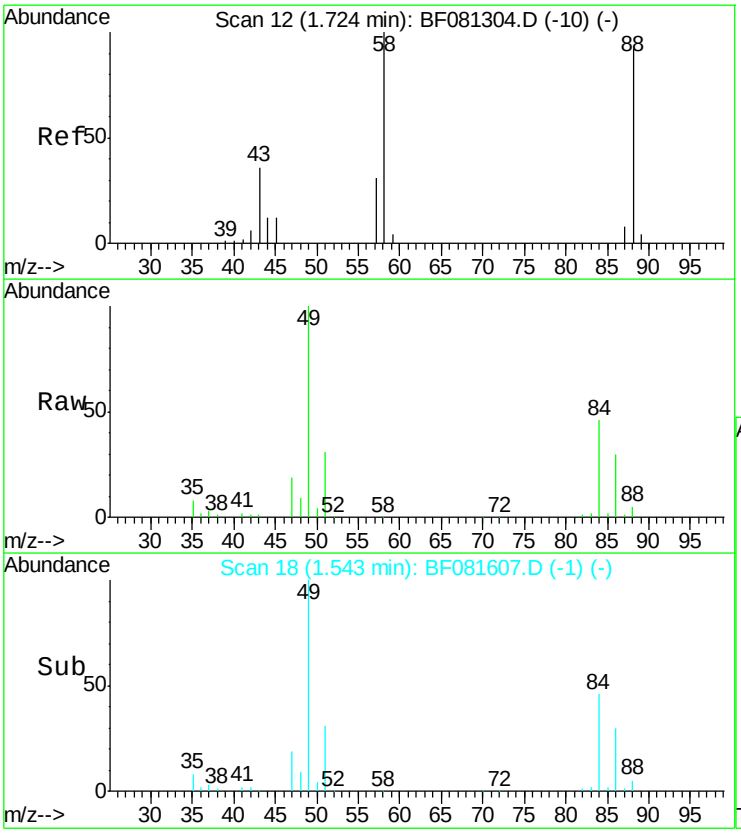

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:152 Resp: 50653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.9 | 124.7 | 187.1 |
| 115 | 64.9 | 39.0 | 58.4# |

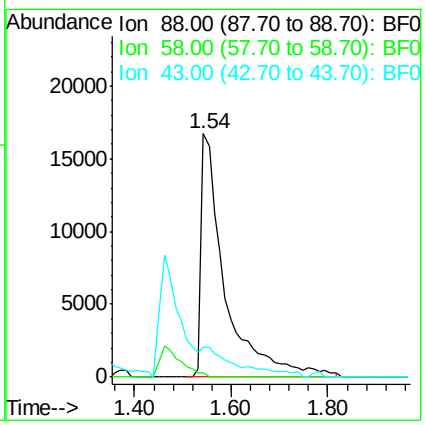


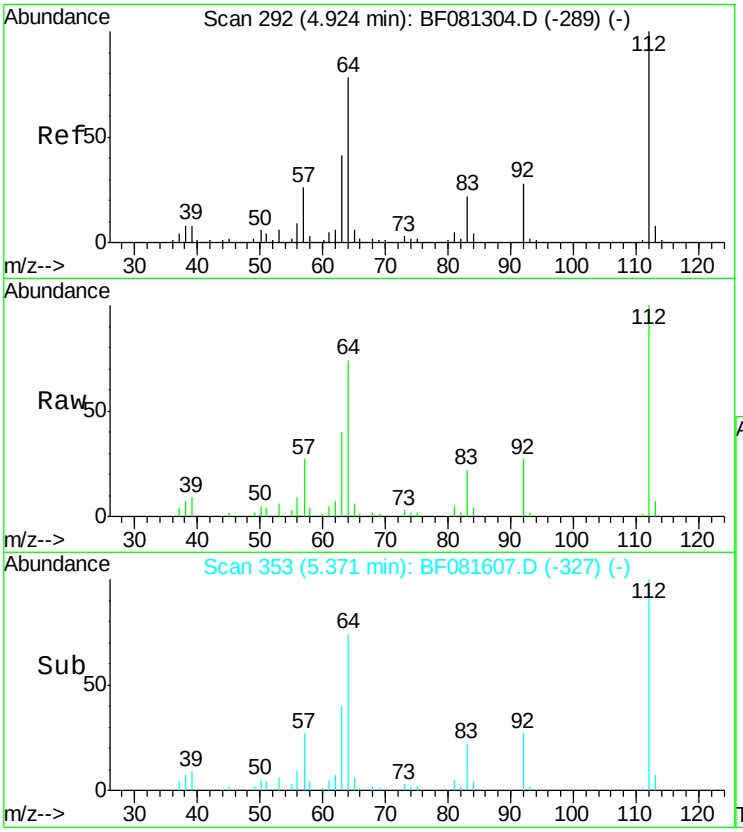




#2
1,4-Dioxane
Concen: 39.45 ng
RT: 1.54 min Scan# 18
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion: 88 Resp: 57840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 77.7 | 116.5# |
| 43 | 0.0 | 26.6 | 40.0# |



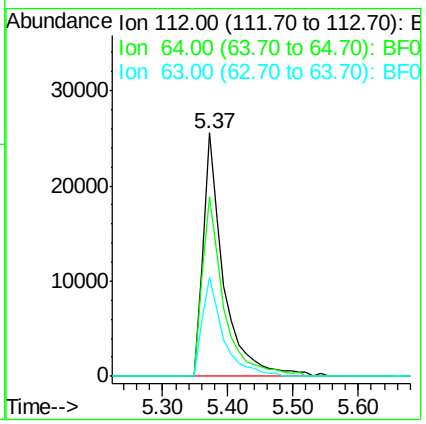


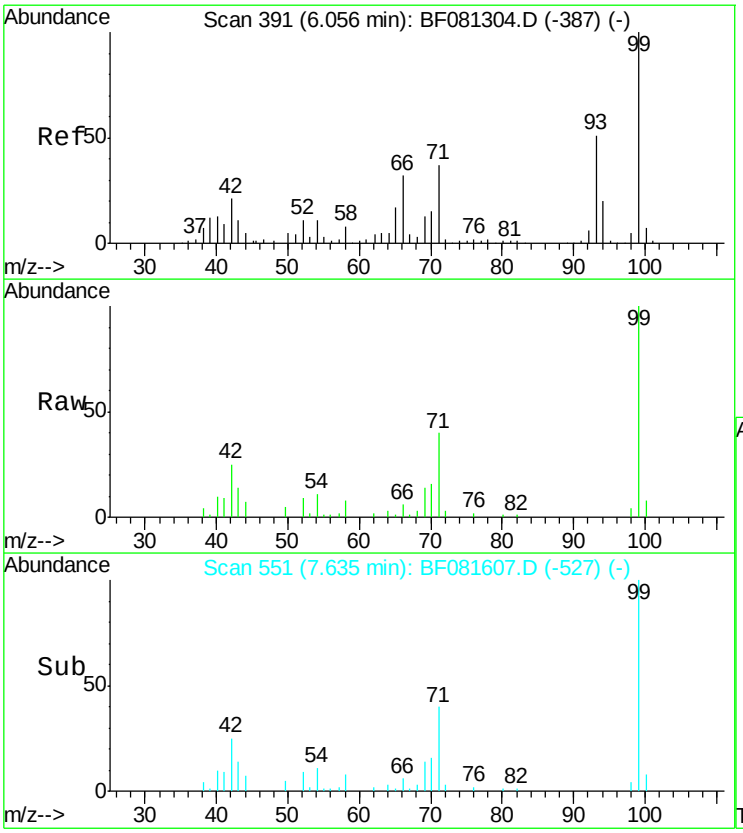

#5
2-Fluorophenol
Concen: 16.99 ng
RT: 5.37 min Scan# 353
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:112 Resp: 55460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 73.7 | 39.7 | 59.5# |
| 63 | 40.4 | 17.4 | 26.0# |

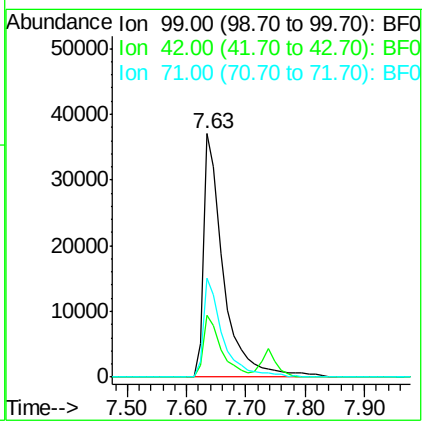


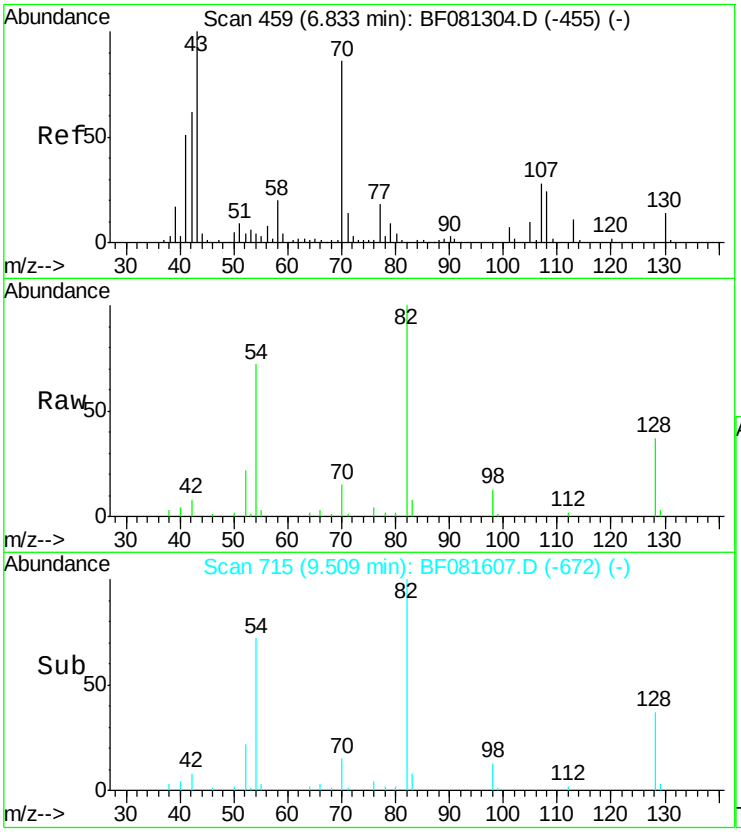




#7
Phenol-d6
Concen: 20.07 ng
RT: 7.63 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion: 99 Resp: 86744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.2 | 13.7 | 20.5# |
| 71 | 40.4 | 14.2 | 21.2# |



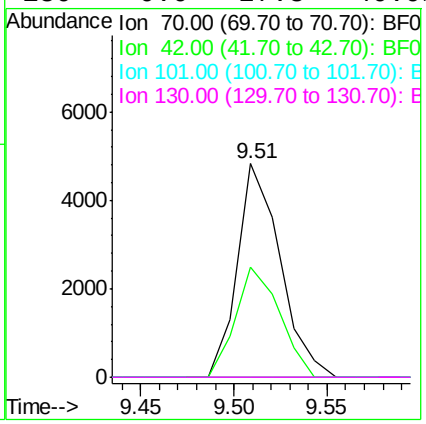


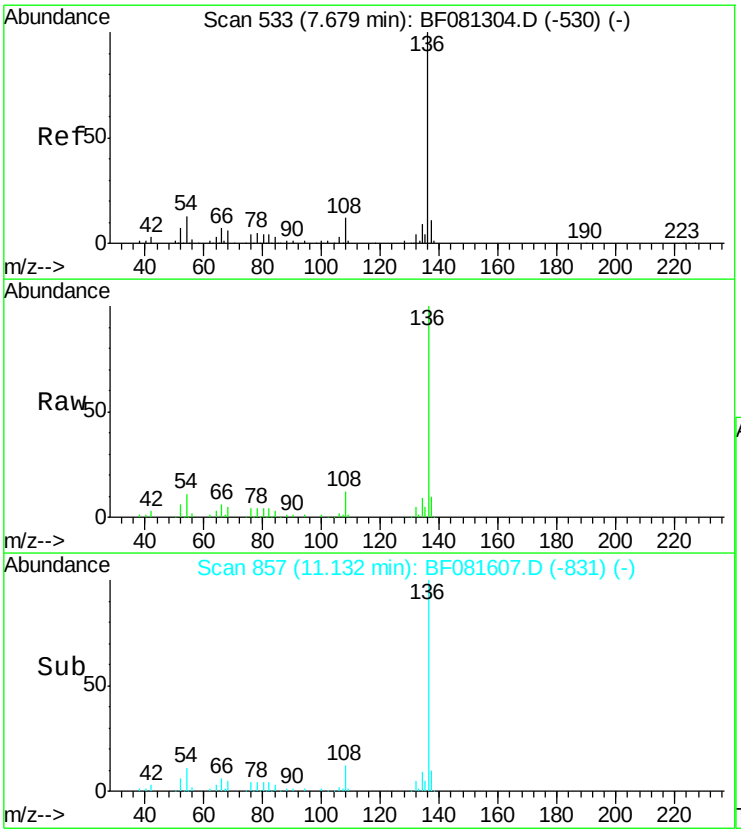

#19
n-Nitroso-di-n-propylamine
Concen: 2.62 ng
RT: 9.51 min Scan# 715
Delta R.T. 0.19 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion: 70 Resp: 7710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.7 | 63.8 | 95.6# |
| 101 | 0.0 | 9.2 | 13.8# |
| 130 | 0.0 | 27.3 | 40.9# |

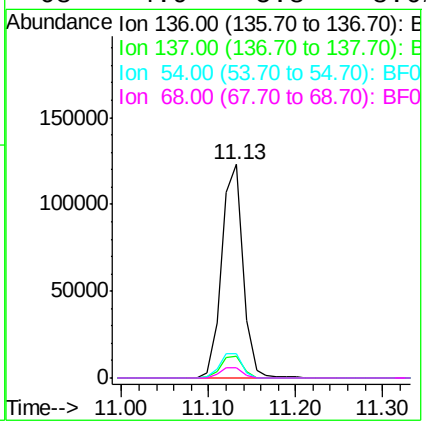


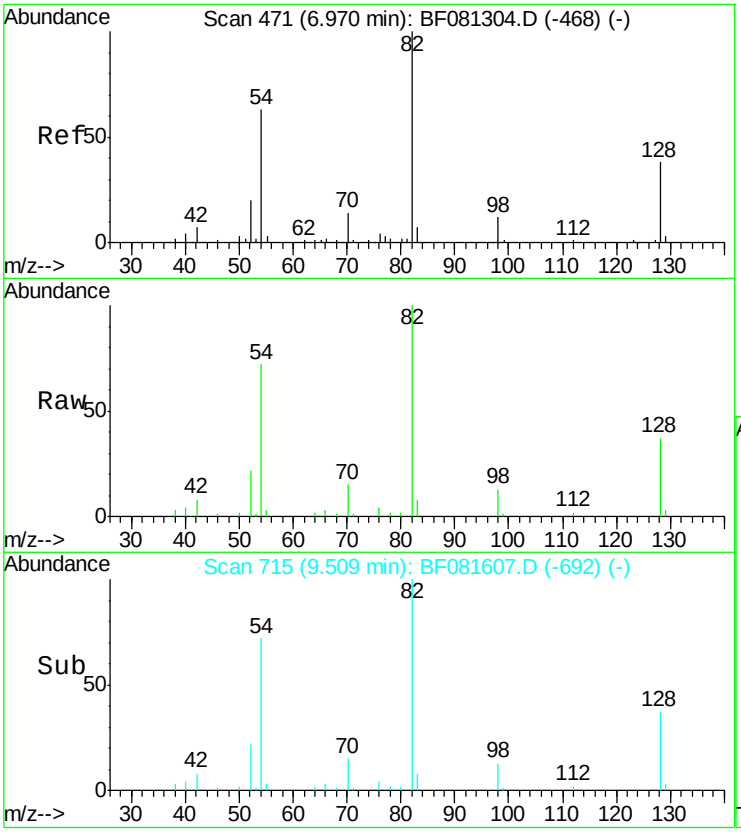




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:136 Resp: 210515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 9.0 | 13.6 |
| 54 | 11.2 | 8.2 | 12.2 |
| 68 | 4.9 | 5.8 | 8.6# |



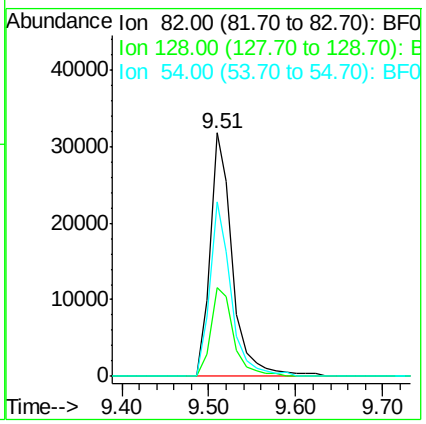


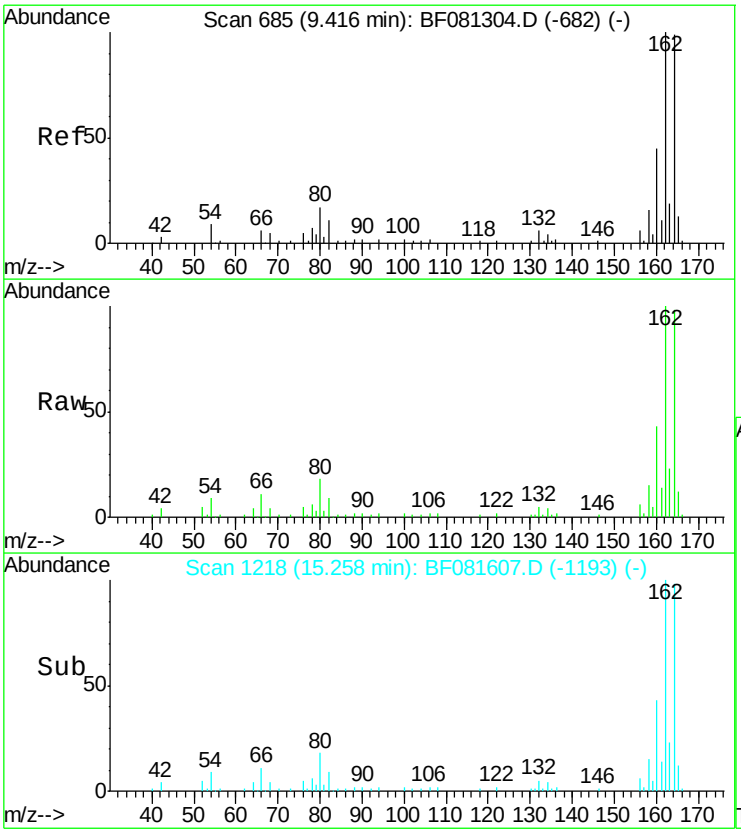

#23
Nitrobenzene-d5
Concen: 13.11 ng
RT: 9.51 min Scan# 715
Delta R.T. -0.03 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion: 82 Resp: 57211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.6 | 51.0 | 76.6# |
| 54 | 71.8 | 47.5 | 71.3# |

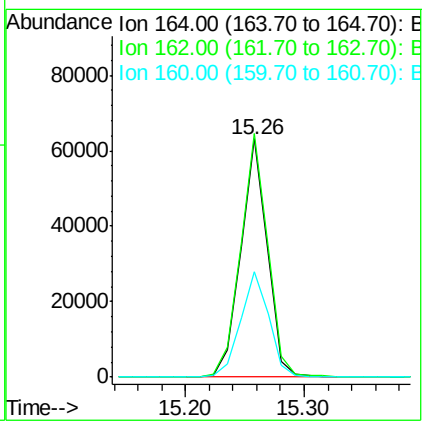


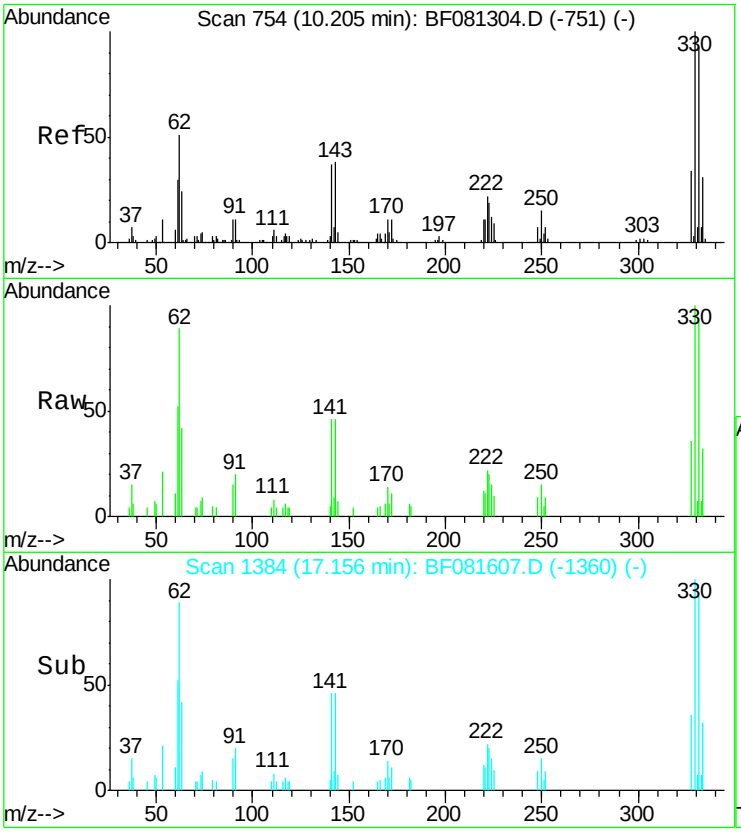




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.26 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:164 Resp: 98069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 75.2 | 112.8 |
| 160 | 44.5 | 31.5 | 47.3 |



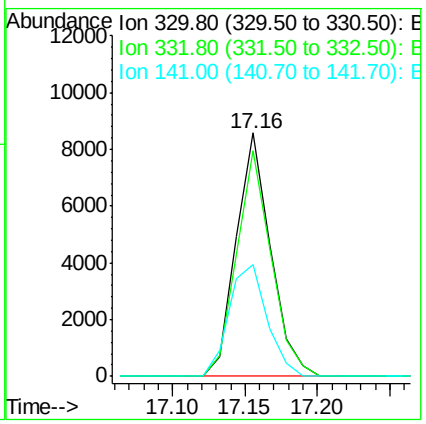


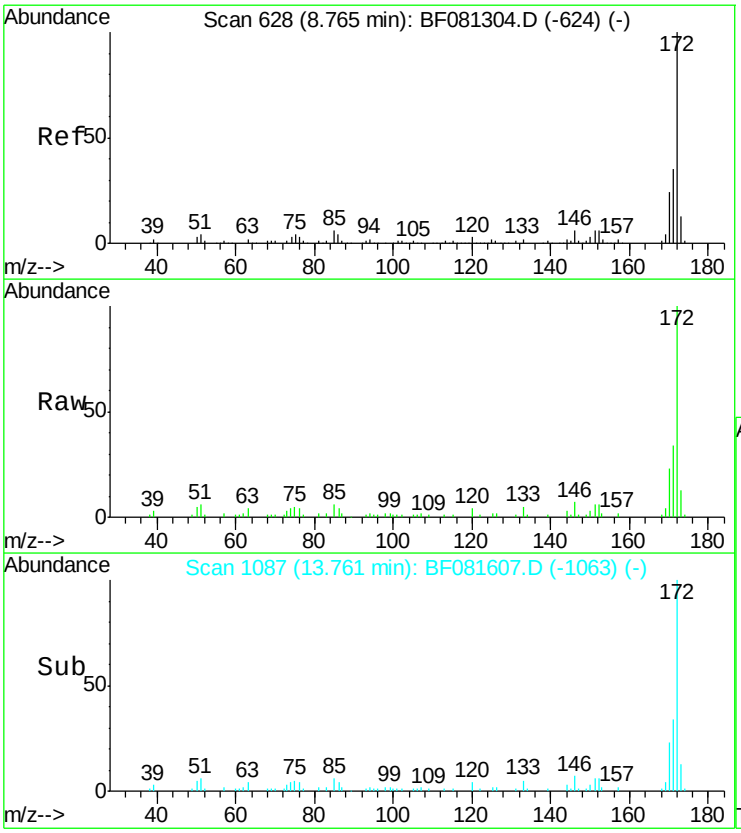

#41
2,4,6-Tribromophenol
Concen: 16.19 ng
RT: 17.16 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:330 Resp: 14137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.9 | 76.6 | 114.8 |
| 141 | 51.0 | 29.7 | 44.5# |

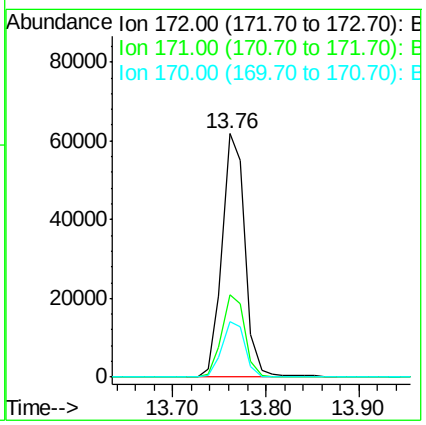


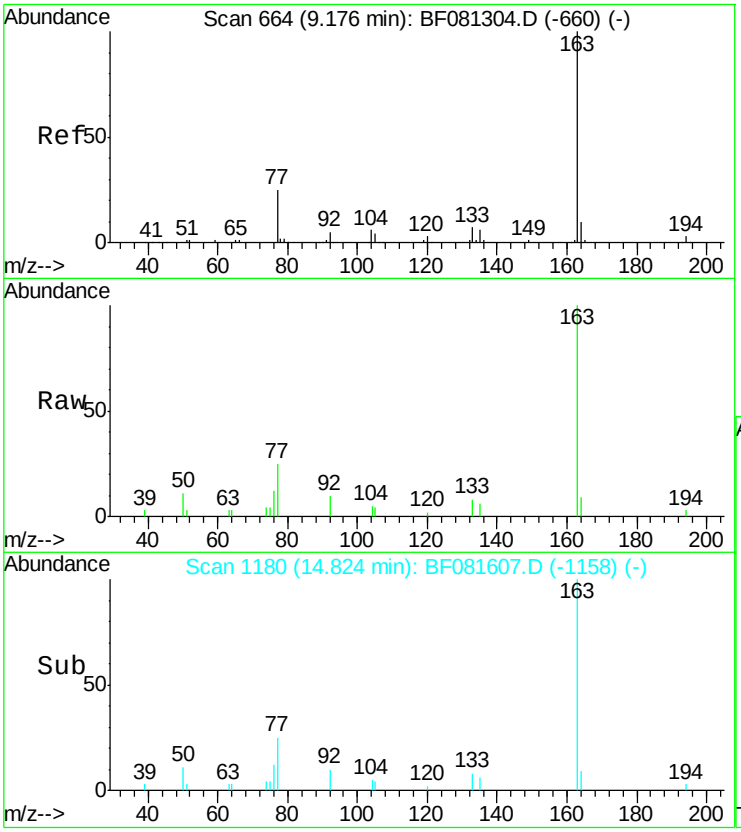




#44
2-Fluorobiphenyl
Concen: 13.86 ng
RT: 13.76 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:172 Resp: 106090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 26.1 | 39.1 |
| 170 | 22.9 | 17.4 | 26.2 |



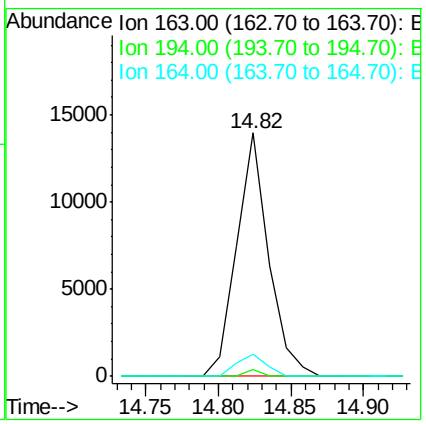


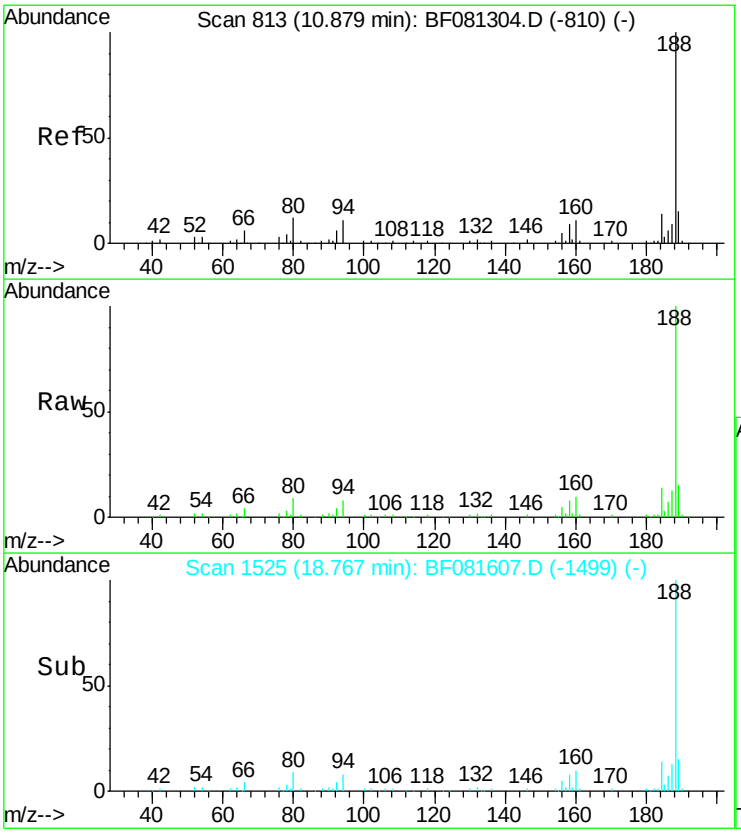

#49
Dimethylphthalate
Concen: 2.79 ng
RT: 14.82 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:163 Resp: 21255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.6 | 4.4 | 6.6# |
| 164 | 9.4 | 8.3 | 12.5 |

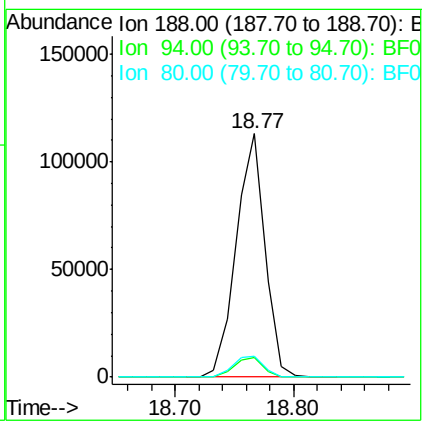


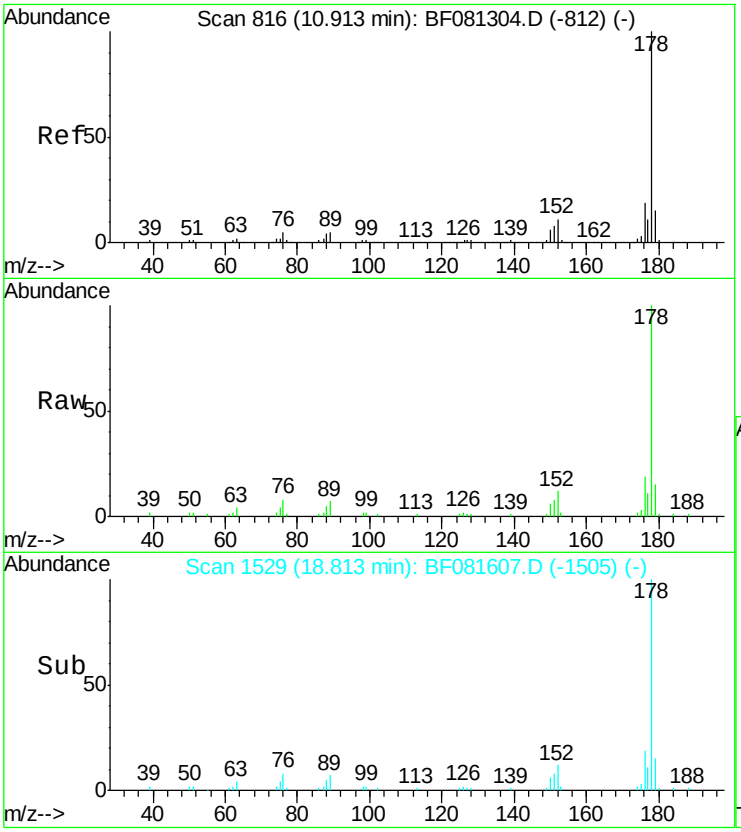




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.77 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:188 Resp: 190631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.9 | 11.1 | 16.7# |
| 80 | 8.7 | 11.0 | 16.4# |



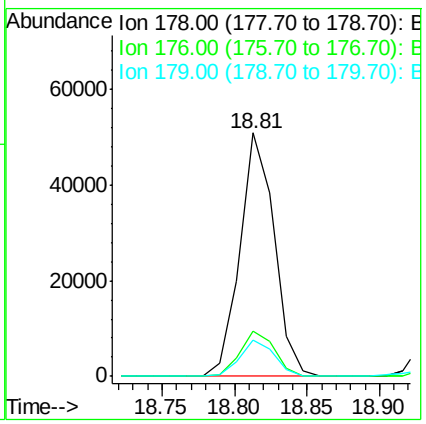


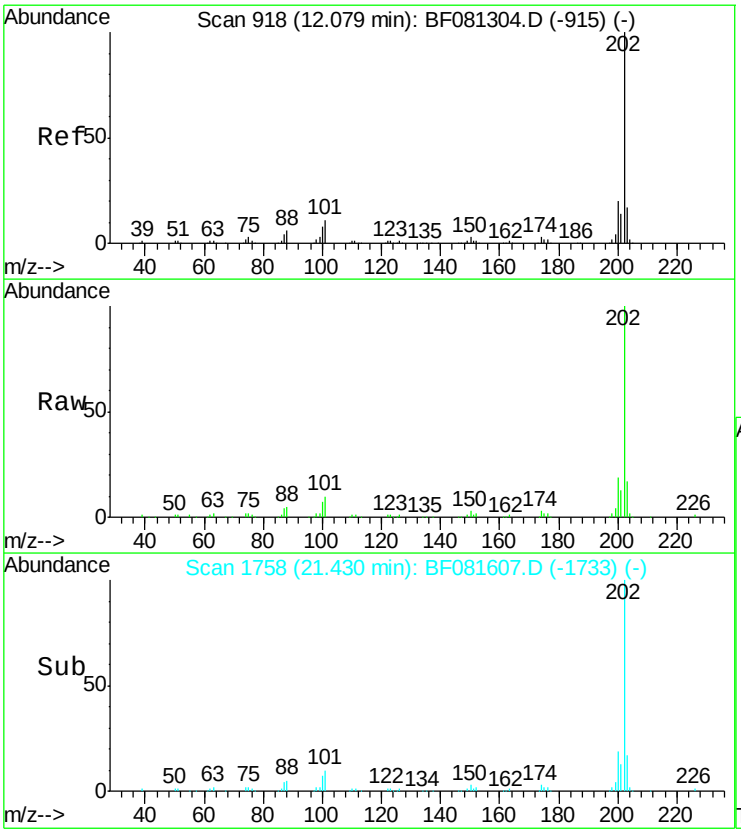

#70
Phenanthrene
Concen: 7.85 ng
RT: 18.81 min Scan# 1529
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:178 Resp: 83183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 13.8 | 20.8 |
| 179 | 15.0 | 12.2 | 18.2 |

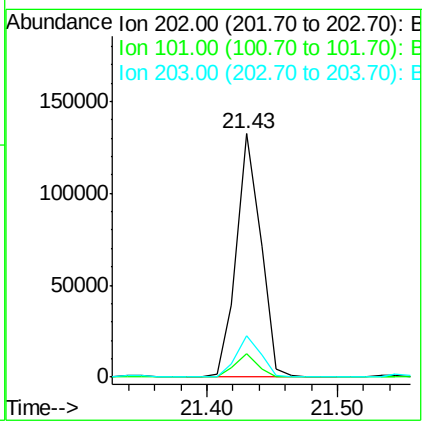


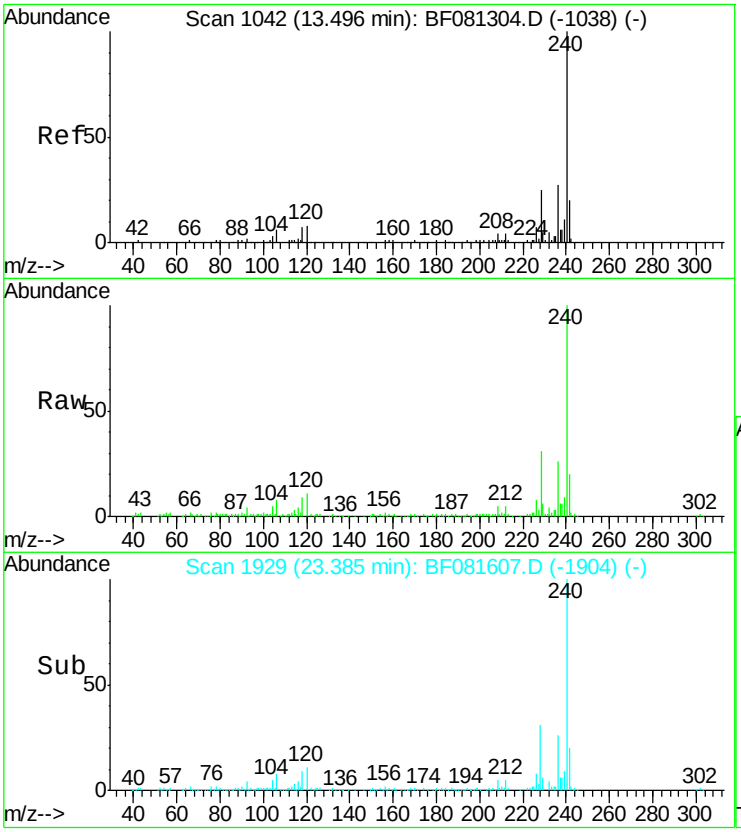




#74
Fluoranthene
Concen: 14.97 ng
RT: 21.43 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:202 Resp: 171701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 38.3 |
| 203 | 17.1 | 0.0 | 37.3 |



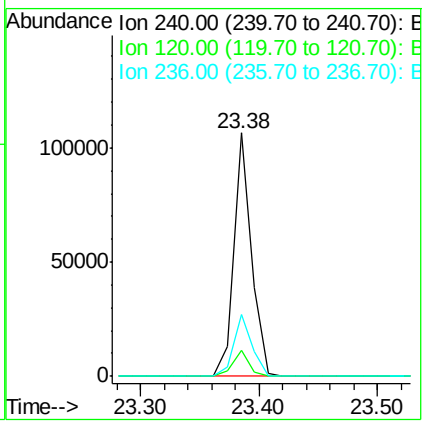


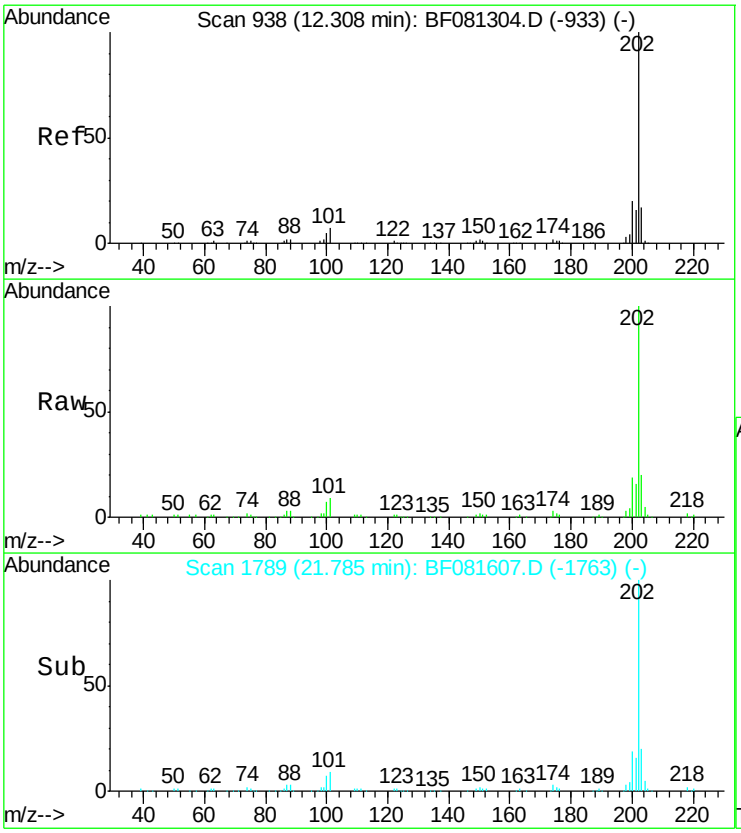

#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:240 Resp: 110892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 16.2 | 24.2# |
| 236 | 25.6 | 18.4 | 27.6 |

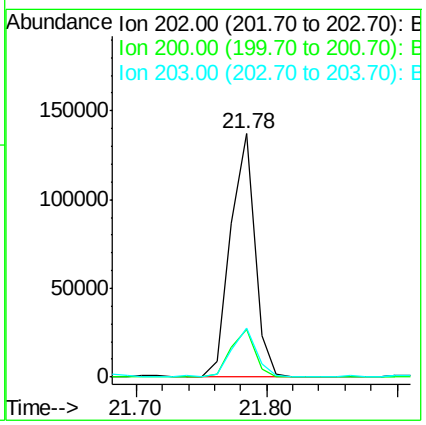


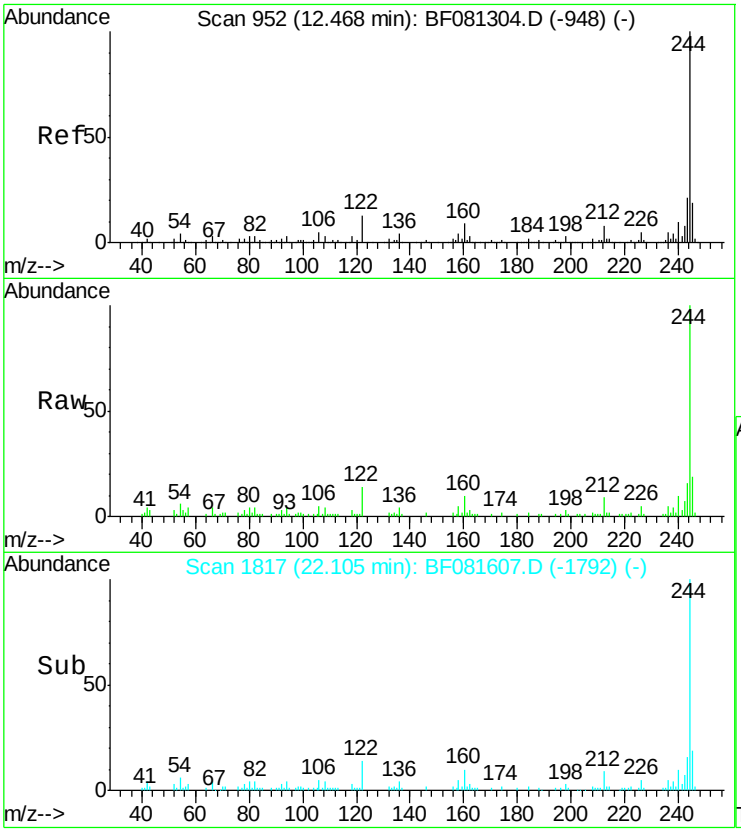




#77
Pyrene
Concen: 21.72 ng
RT: 21.78 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:202 Resp: 178438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.4 | 15.0 | 22.4 |
| 203 | 19.9 | 14.1 | 21.1 |



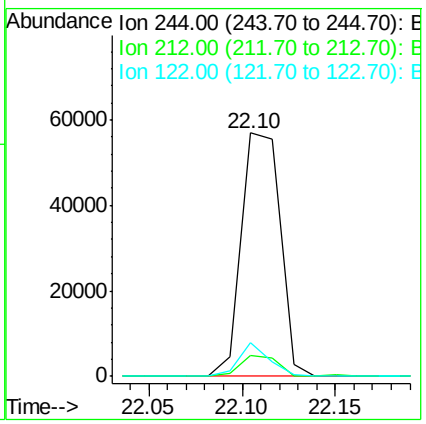


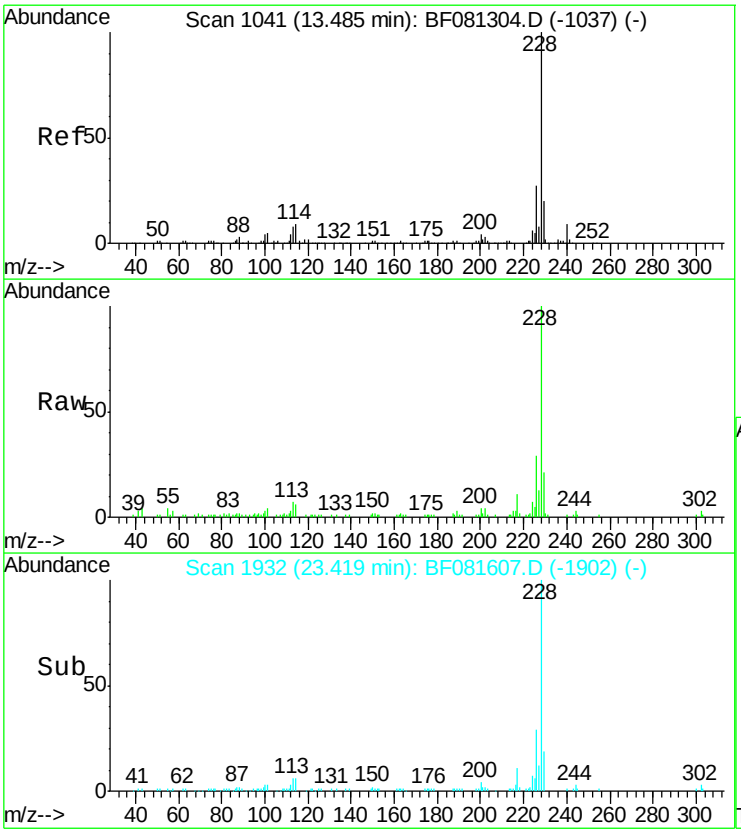

#78
Terphenyl-d14
Concen: 17.31 ng
RT: 22.10 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:244 Resp: 82437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 4.3 | 6.5# |
| 122 | 13.8 | 17.4 | 26.2# |

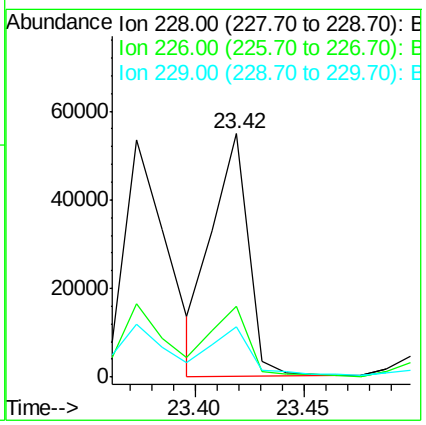


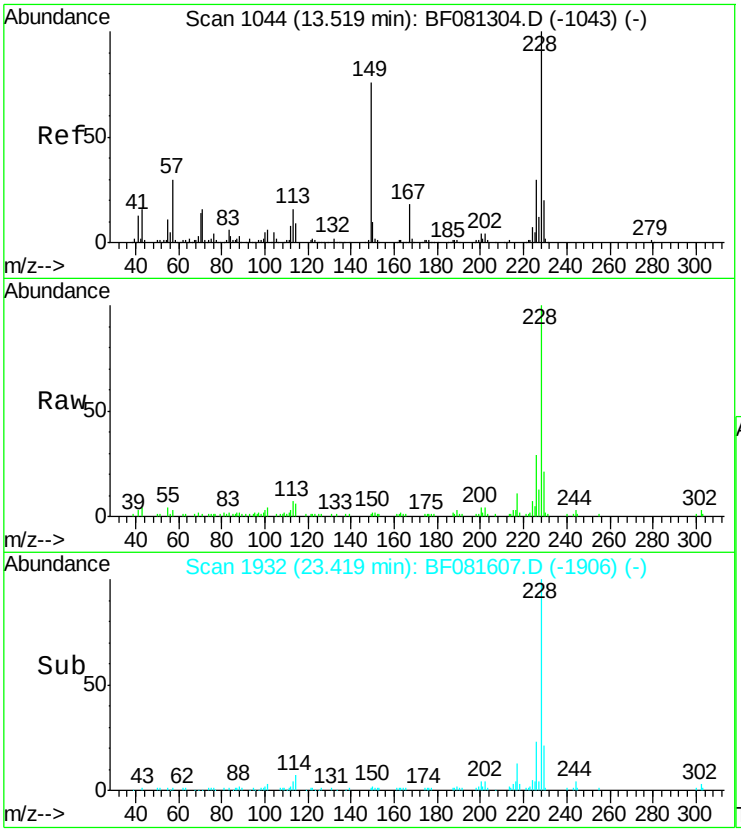




#80
Benzo(a)anthracene
Concen: 8.95 ng
RT: 23.42 min Scan# 1932
Delta R.T. 0.05 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:228 Resp: 63211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 20.0 | 30.0 |
| 229 | 20.7 | 15.4 | 23.2 |



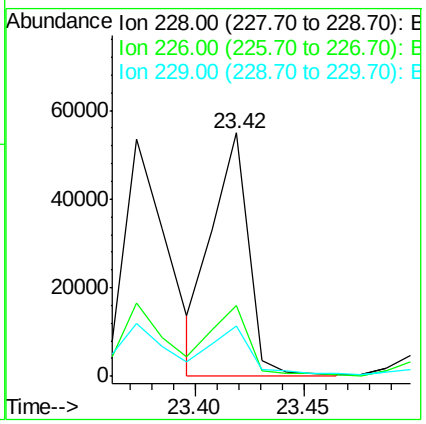


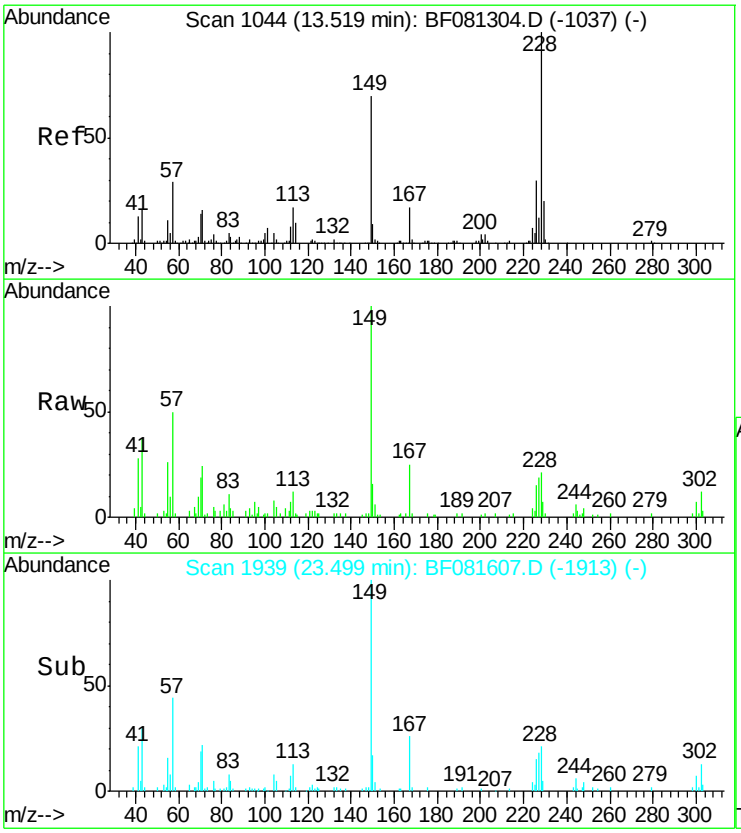

#82
Chrysene
Concen: 9.99 ng
RT: 23.42 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:228 Resp: 63263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 21.0 | 31.4 |
| 229 | 20.7 | 15.6 | 23.4 |

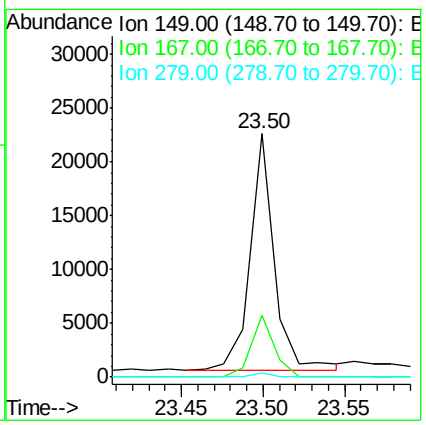


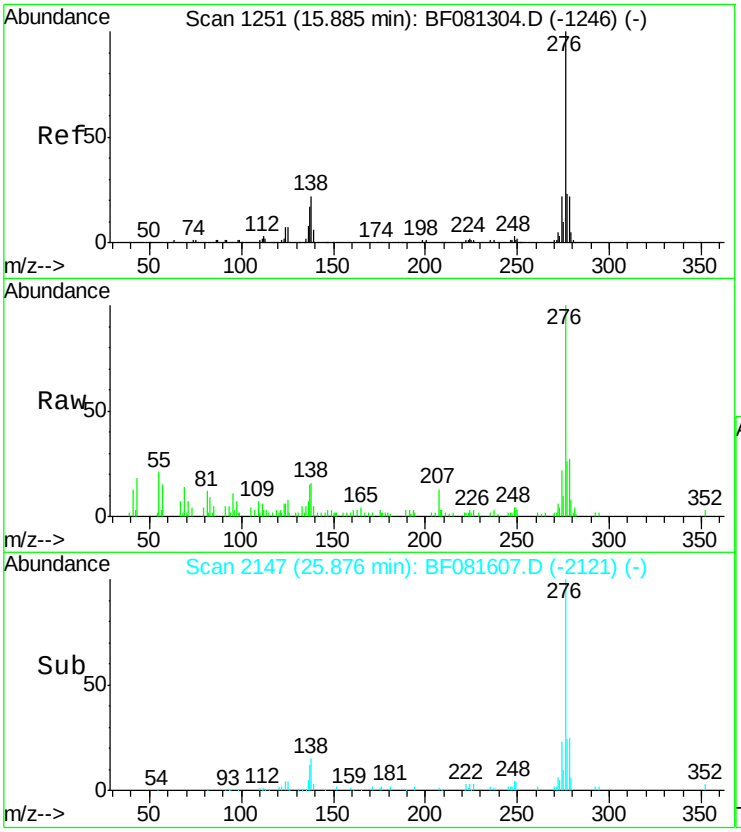




#83
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ng
RT: 23.50 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:149 Resp: 22340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.5 | 24.2 | 36.2 |
| 279 | 1.6 | 3.8 | 5.6# |



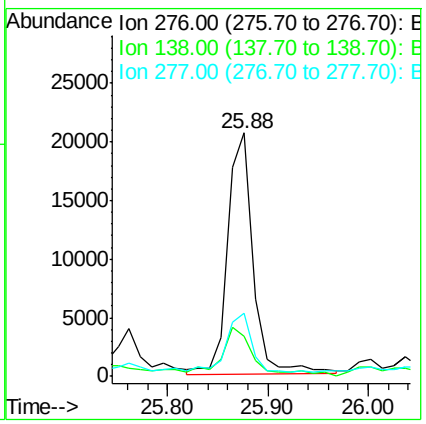


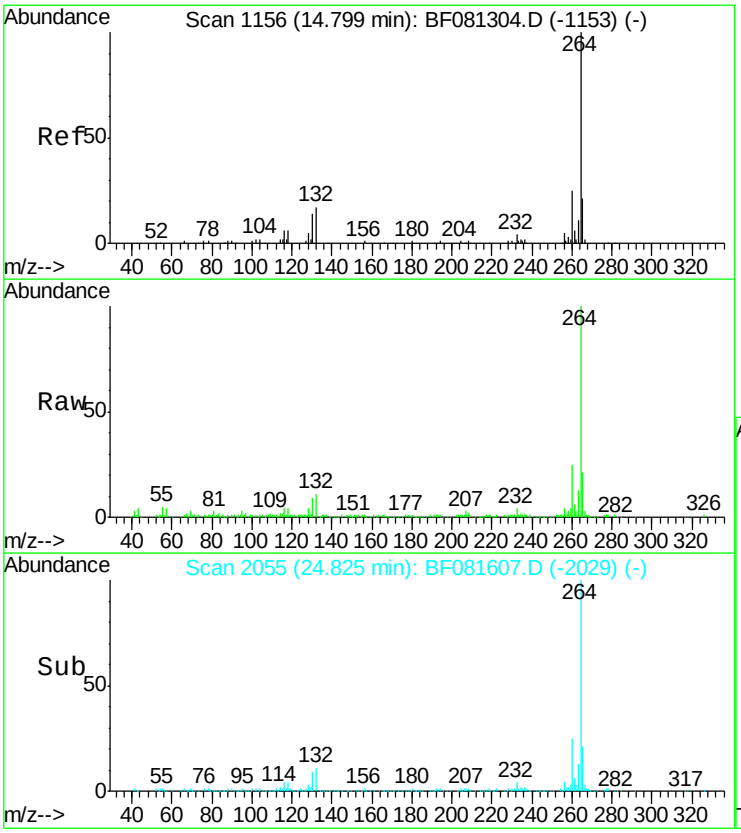

#85
Indeno(1,2,3-cd)pyrene
Concen: 7.77 ng
RT: 25.88 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:276 Resp: 36098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.6 | 25.7 | 38.5 |
| 277 | 30.1 | 15.6 | 23.4# |

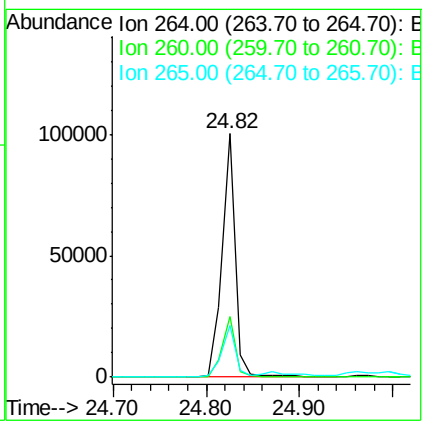


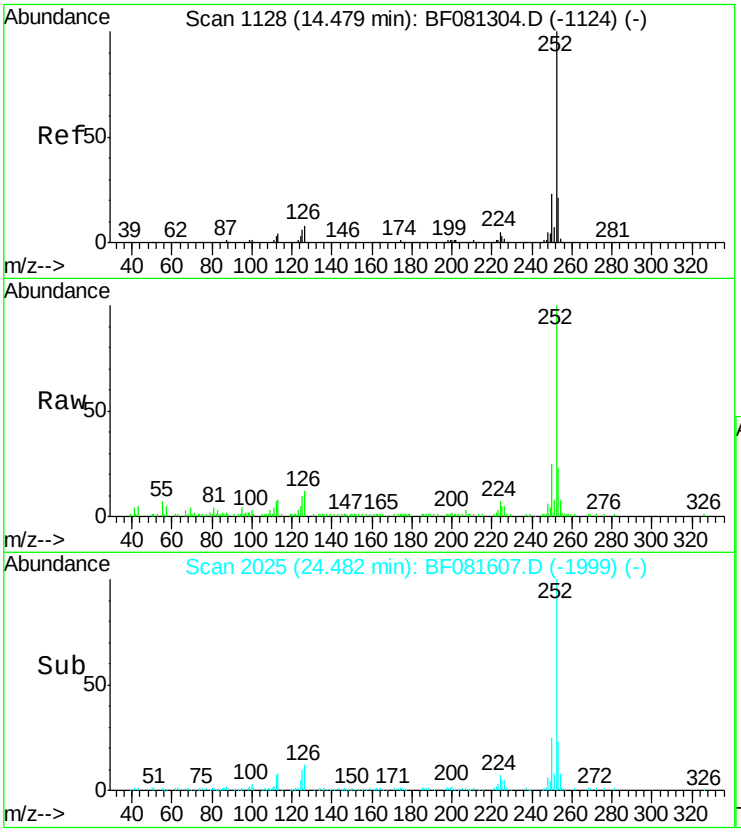




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.82 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:264 Resp: 98570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 16.7 | 25.1 |
| 265 | 21.3 | 17.2 | 25.8 |



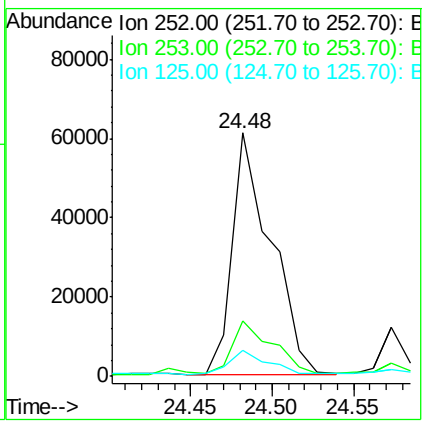


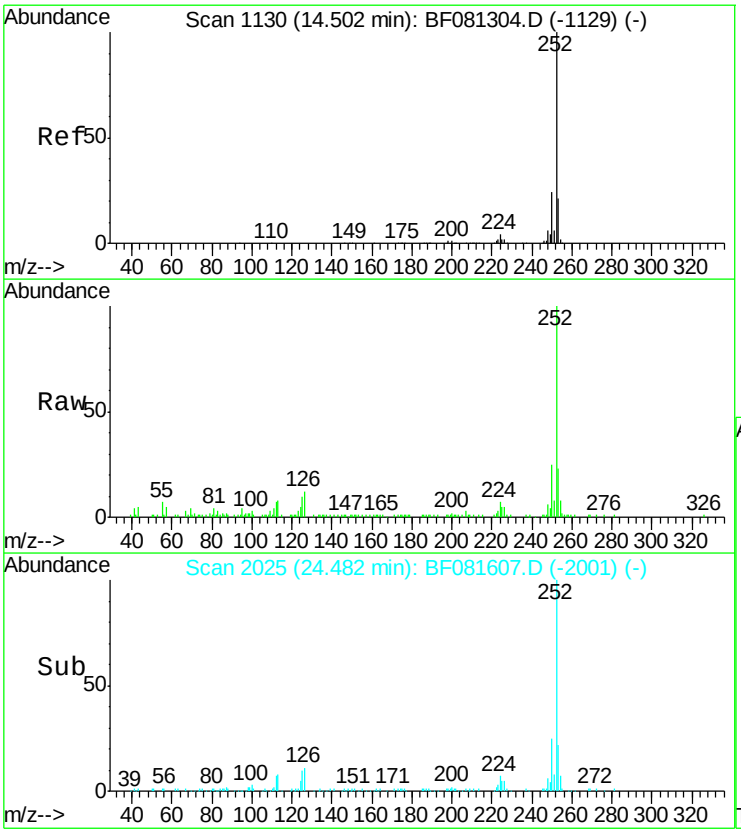

#87
Benzo(b)fluoranthene
Concen: 14.14 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:252 Resp: 99514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.5 | 26.3 |
| 125 | 10.4 | 17.1 | 25.7# |

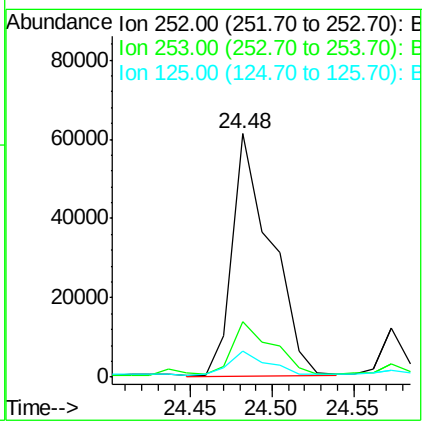


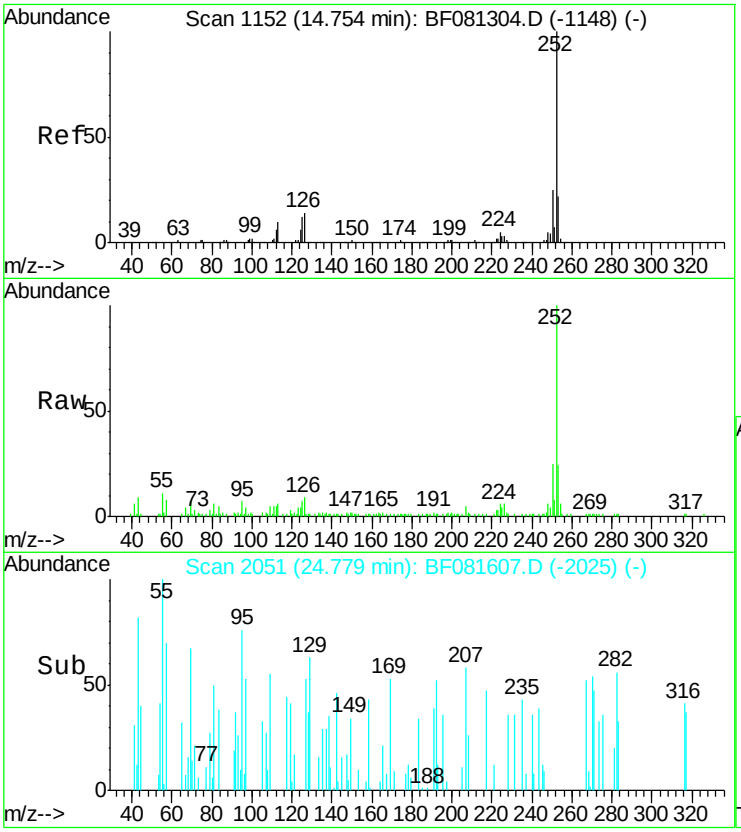




#88
Benzo(k)fluoranthene
Concen: 17.15 ng
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:252 Resp: 100148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.0 | 25.4 |
| 125 | 10.4 | 16.0 | 24.0# |



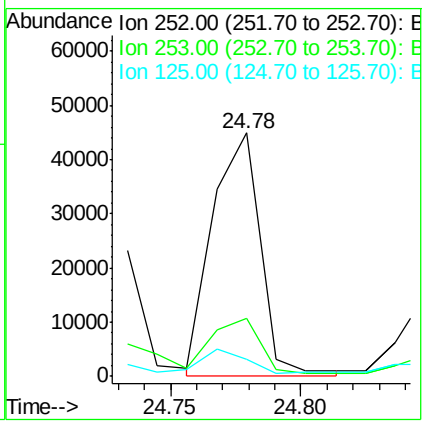


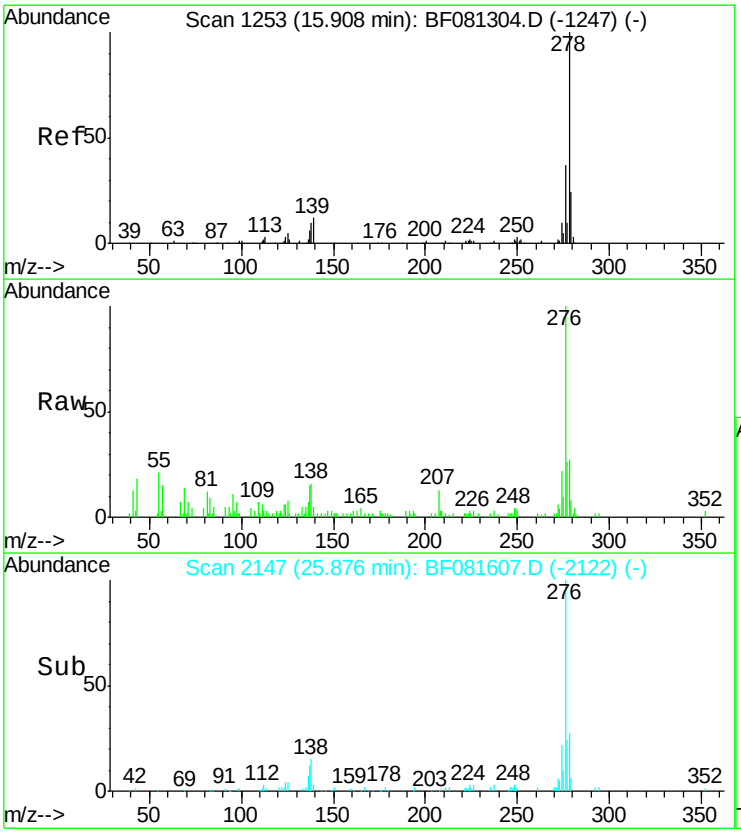

#89
Benzo(a)pyrene
Concen: 9.65 ng
RT: 24.78 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:252 Resp: 57527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.2 | 25.8 |
| 125 | 7.1 | 18.0 | 27.0# |

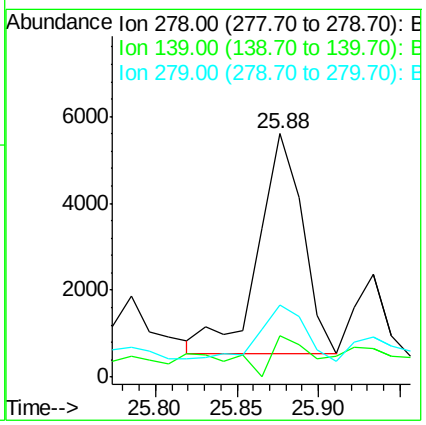


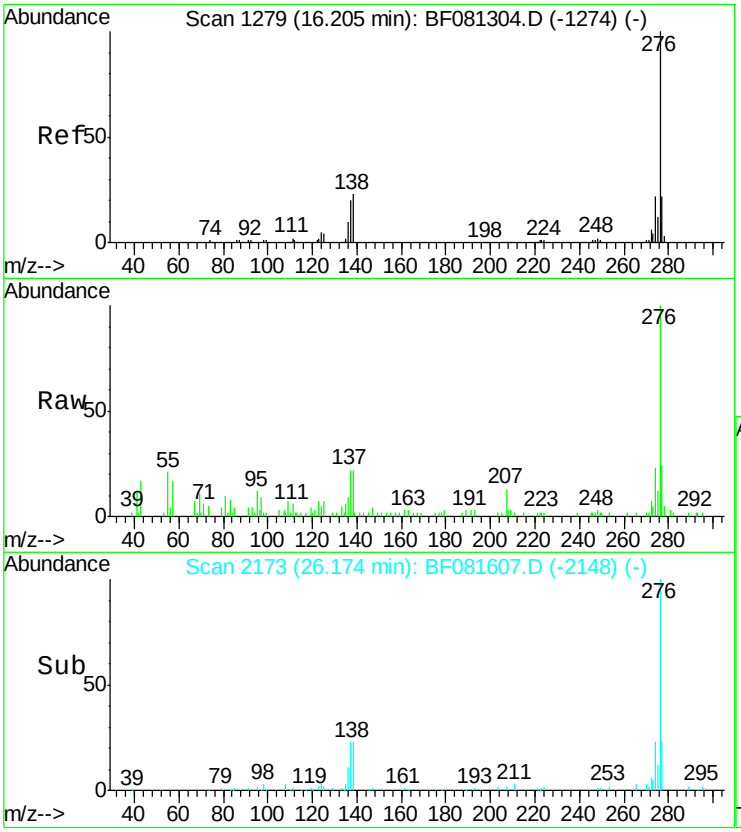




#90
Dibenzo(a,h)anthracene
Concen: 2.08 ng
RT: 25.88 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:278 Resp: 9606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.8 | 26.3 | 39.5# |
| 279 | 29.4 | 18.2 | 27.4# |






#91
Benzo(g,h,i)perylene
Concen: 7.97 ng
RT: 26.17 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
GP-1(0-5)

Tgt Ion:276 Resp: 35061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 17.8 | 26.6 |
| 138 | 22.1 | 34.6 | 51.8# |