Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081829.D
Acq On : 26 Sep 2015 15:55
Operator : UM/IZ
Sample : G3754-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-11B

Quant Time: Sep 28 06:58:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 25 06:02:49 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 127243 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.23 | 136 | 476114 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 218940 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 393828 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.10 | 240 | 307066 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.58 | 264 | 286265 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 433395 | 57.62 | ng | | -0.01 |
| 7) Phenol-d6 | 6.55 | 99 | 369298 | 38.82 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 668490 | 92.64 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.78 | 330 | 283025 | 148.90 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1131256 | 84.82 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.06 | 244 | 1084645 | 80.69 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 8.25 | 128 | 553526 | 25.20 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 162262 | 10.37 | ng | # | 89 |
| 48) Acenaphthylene | 9.84 | 152 | 182291 | 7.82 | ng | | 96 |
| 49) Dimethylphthalate | 9.69 | 163 | 97272 | 5.84 | ng | # | 96 |
| 51) Acenaphthene | 10.01 | 154 | 118852 | 8.85 | ng | | 91 |
| 57) Fluorene | 10.53 | 166 | 84932m | 5.62 | ng | | |
| 70) Phenanthrene | 11.50 | 178 | 451341 | 20.05 | ng | | 98 |
| 71) Anthracene | 11.54 | 178 | 106988 | 4.93 | ng | | 99 |
| 74) Fluoranthene | 12.69 | 202 | 68227m | 3.01 | ng | | |
| 77) Pyrene | 12.91 | 202 | 127911m | 5.53 | ng | | |

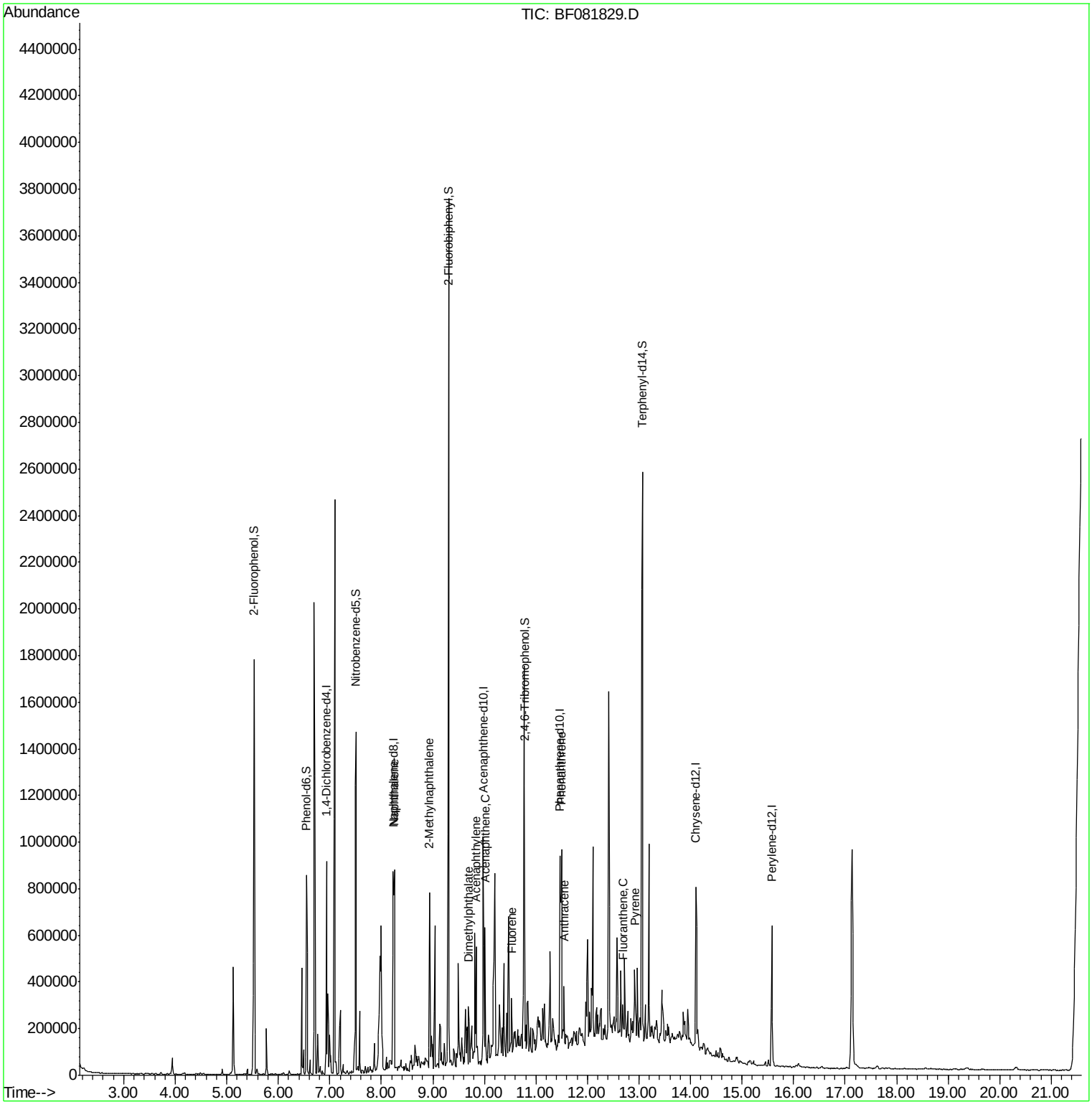
(#) = qualifier out of range (m) = manual integration (+) = signals summed

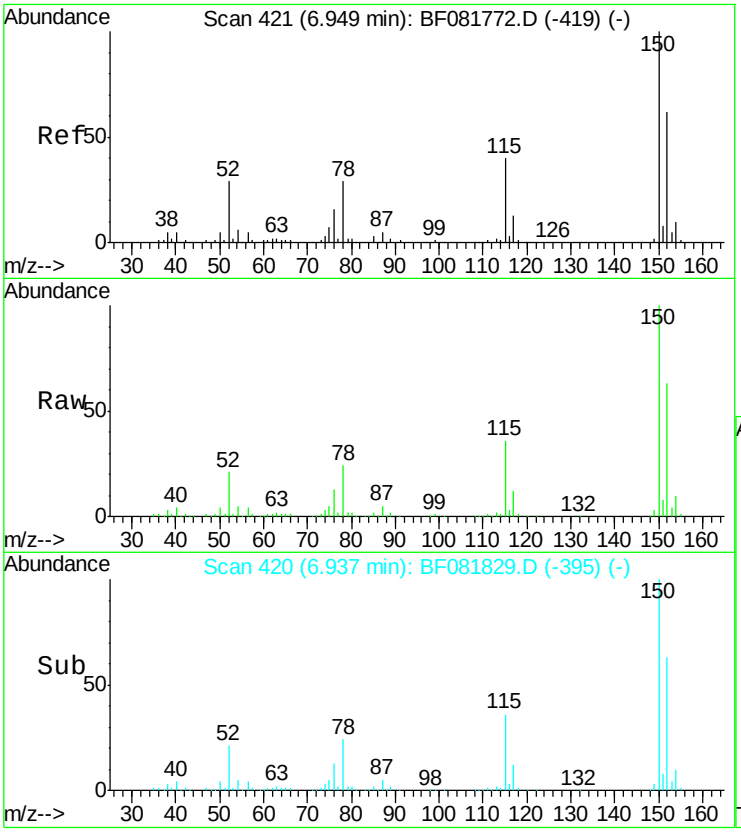
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081829.D
Acq On : 26 Sep 2015 15:55
Operator : UM/IZ
Sample : G3754-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Quant Time: Sep 28 06:58:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 25 06:02:49 2015
Response via : Initial Calibration



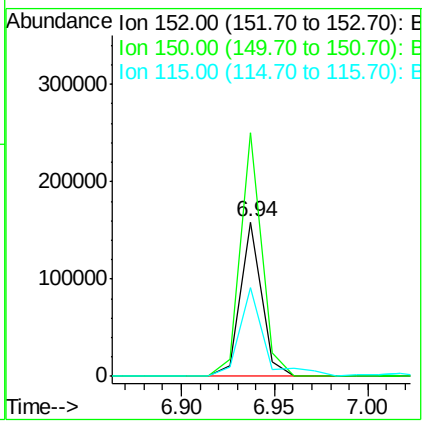


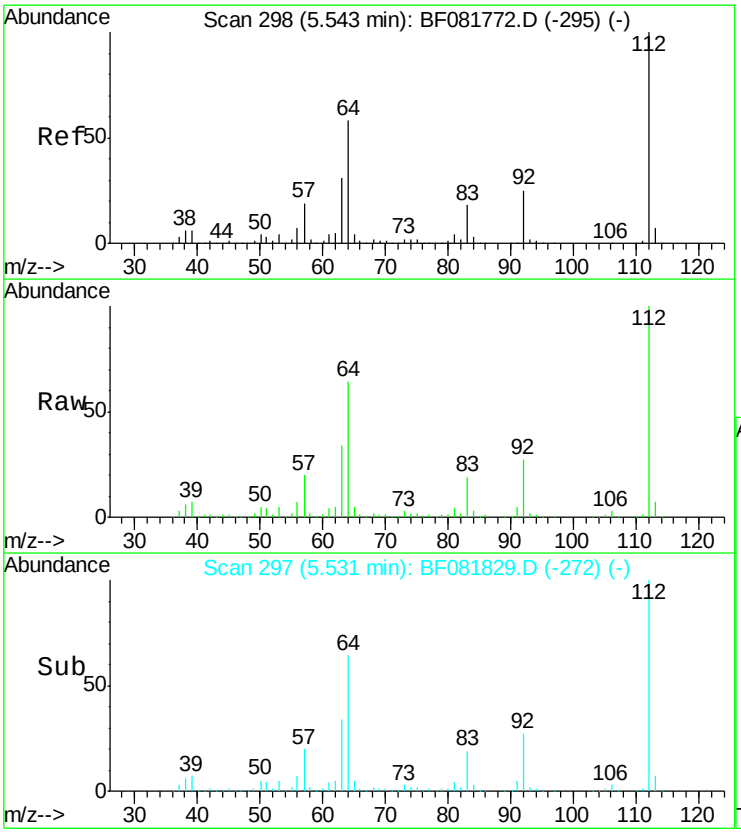

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:152 Resp: 127243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 124.7 | 187.1 |
| 115 | 57.5 | 39.0 | 58.4 |

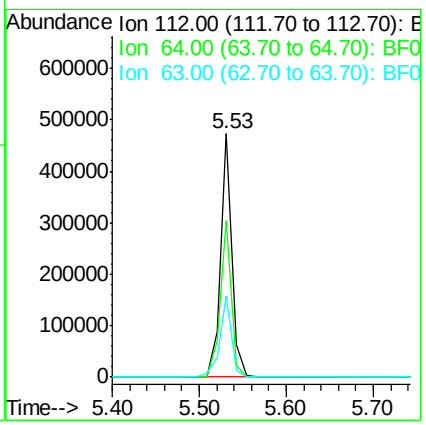


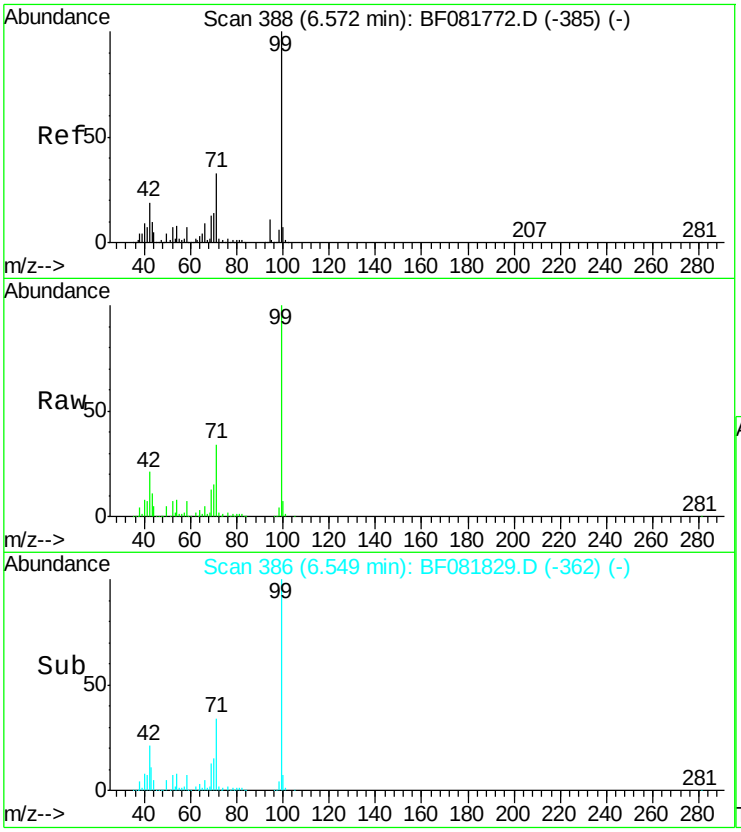




#5
2-Fluorophenol
Concen: 57.62 ng
RT: 5.53 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:112 Resp: 433395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.3 | 39.7 | 59.5# |
| 63 | 33.5 | 17.4 | 26.0# |



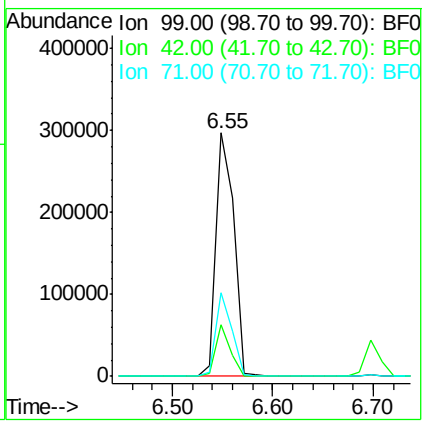


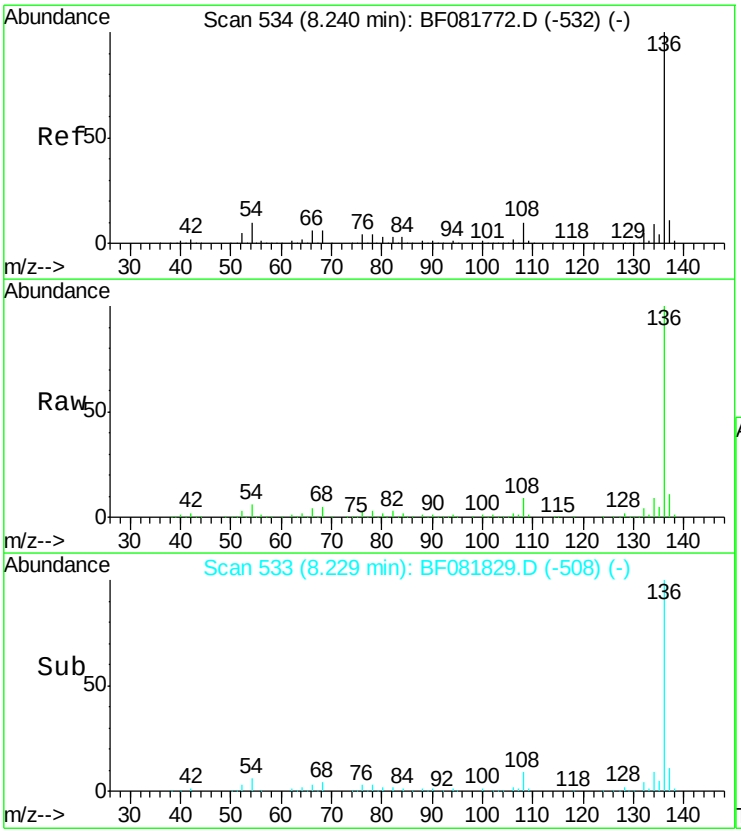

#7
Phenol-d6
Concen: 38.82 ng
RT: 6.55 min Scan# 386
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion: 99 Resp: 369298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 13.7 | 20.5# |
| 71 | 34.1 | 14.2 | 21.2# |

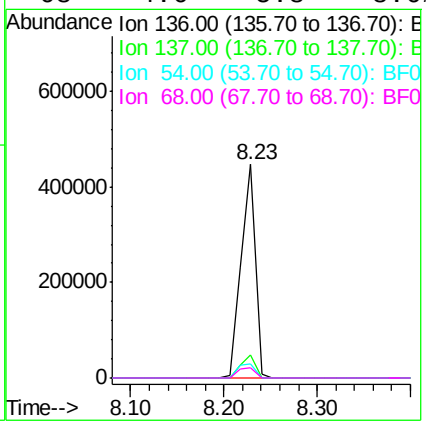


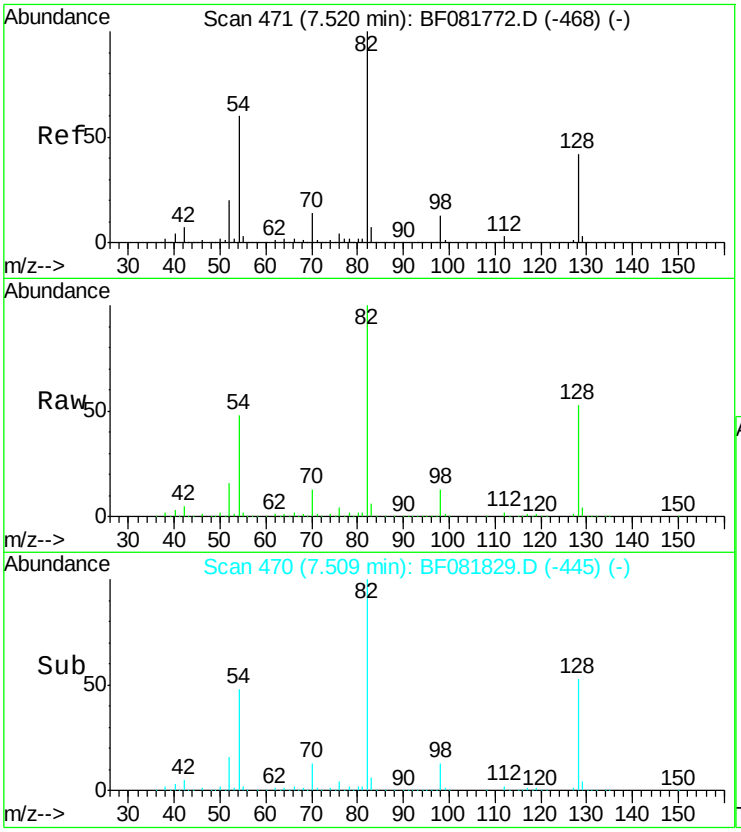




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:136 Resp: 476114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.6 |
| 54 | 6.4 | 8.2 | 12.2# |
| 68 | 4.6 | 5.8 | 8.6# |



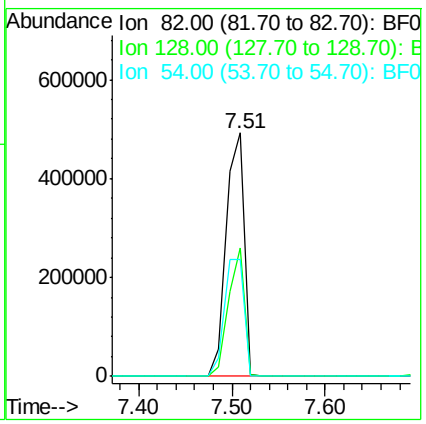


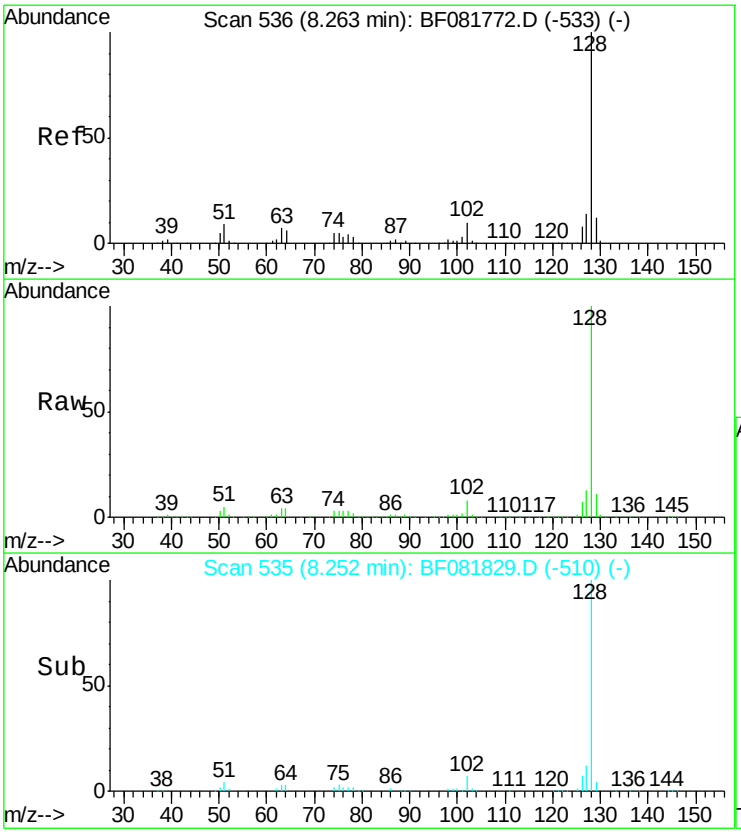

#23
Nitrobenzene-d5
Concen: 92.64 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion: 82 Resp: 668490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.7 | 51.0 | 76.6 |
| 54 | 48.1 | 47.5 | 71.3 |

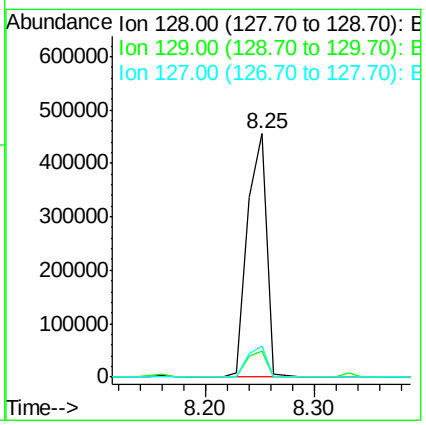


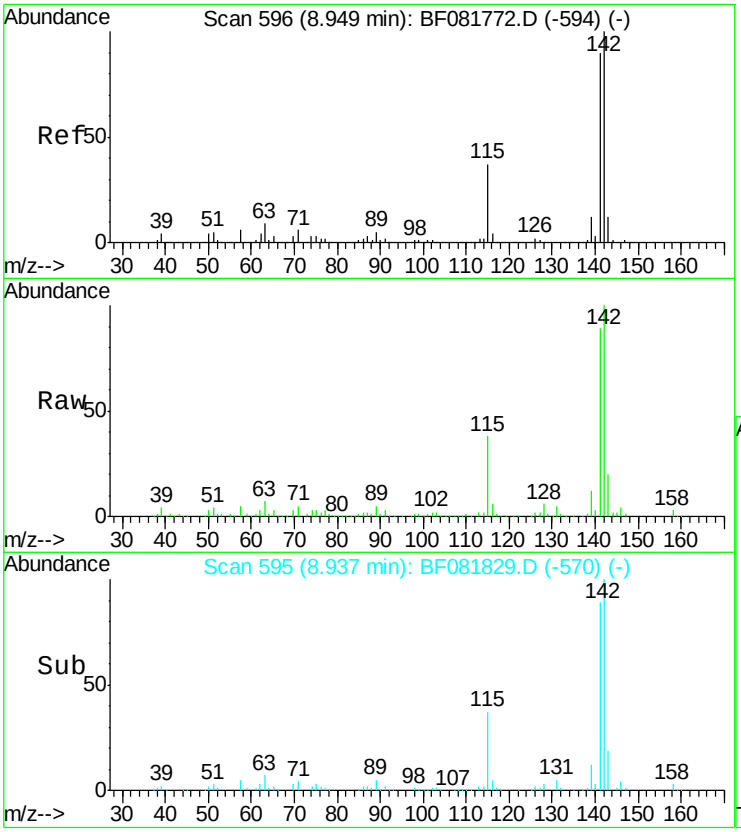




#31
Naphthalene
Concen: 25.20 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:128 Resp: 553526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.4 | 12.6 |
| 127 | 12.9 | 9.9 | 14.9 |



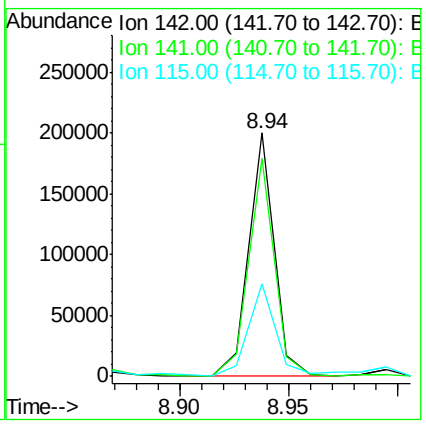


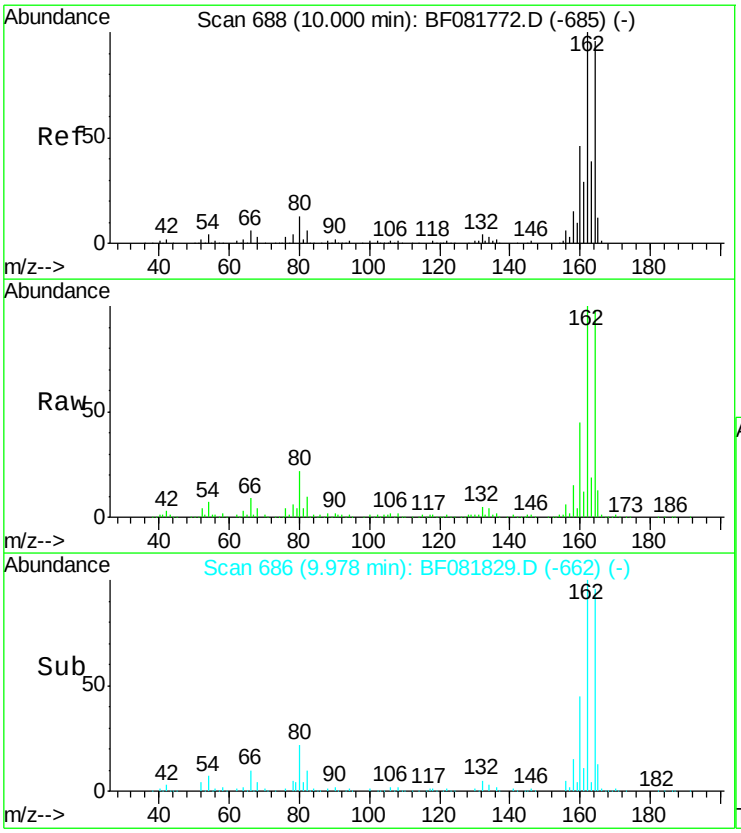

#37
2-Methylnaphthalene
Concen: 10.37 ng
RT: 8.94 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:142 Resp: 162262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 67.5 | 101.3 |
| 115 | 38.1 | 18.2 | 27.2# |

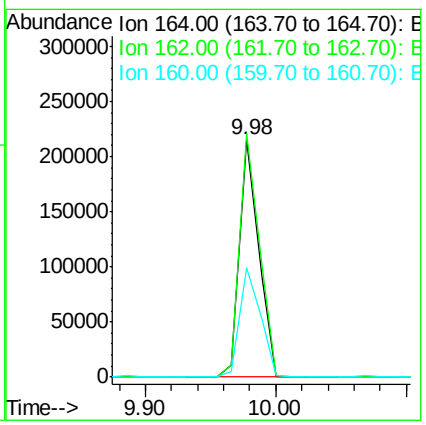


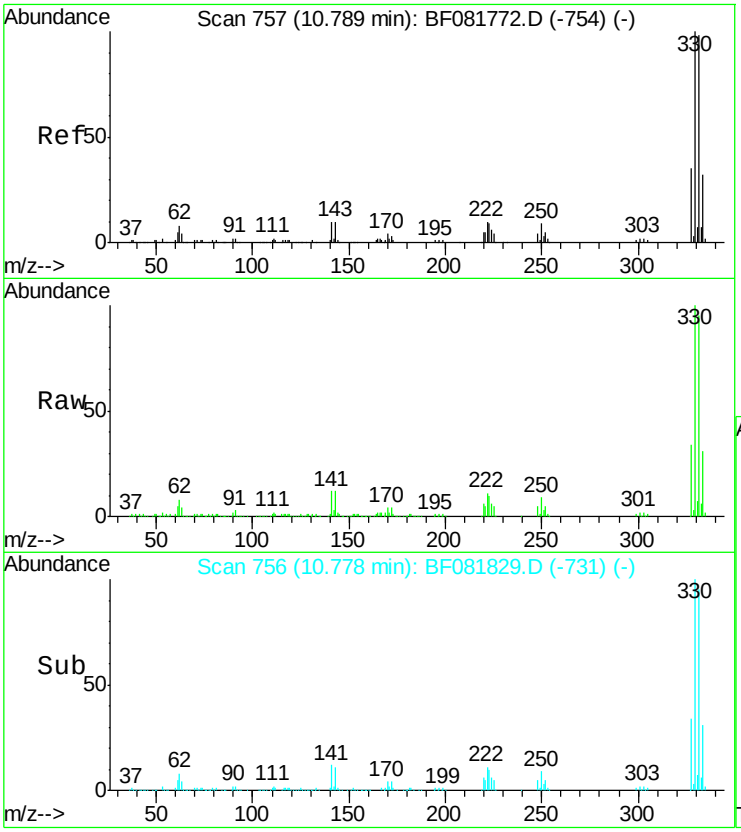




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:164 Resp: 218940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 75.2 | 112.8 |
| 160 | 45.9 | 31.5 | 47.3 |



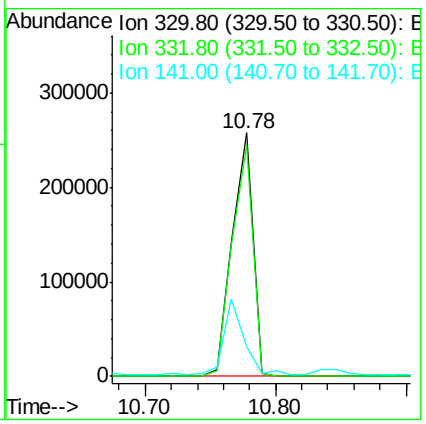


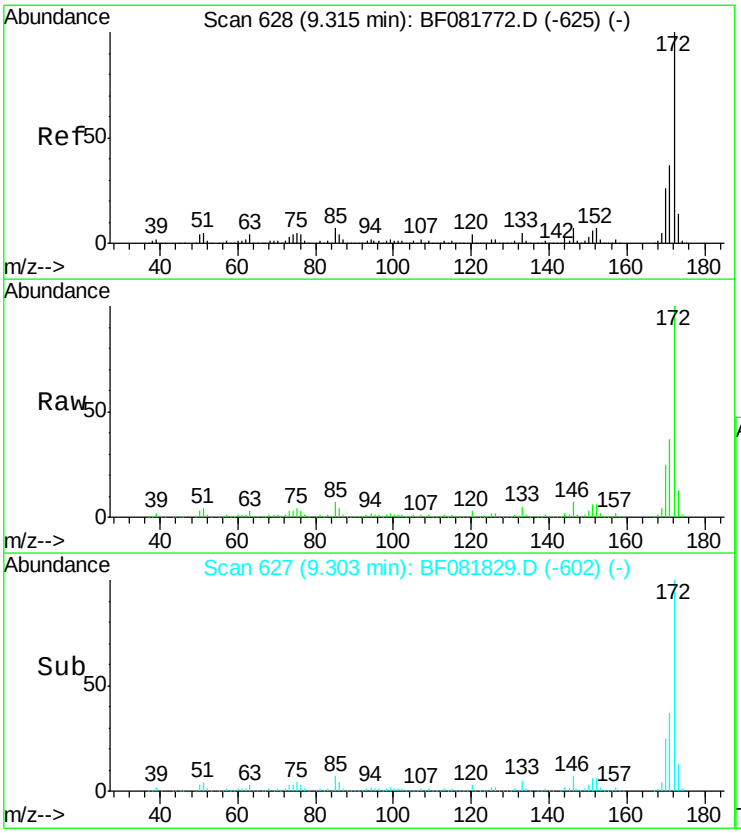

#41
2,4,6-Tribromophenol
Concen: 148.90 ng
RT: 10.78 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:330 Resp: 283025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.6 | 114.8 |
| 141 | 31.1 | 29.7 | 44.5 |

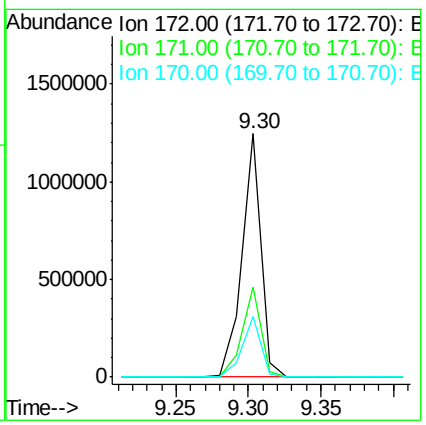


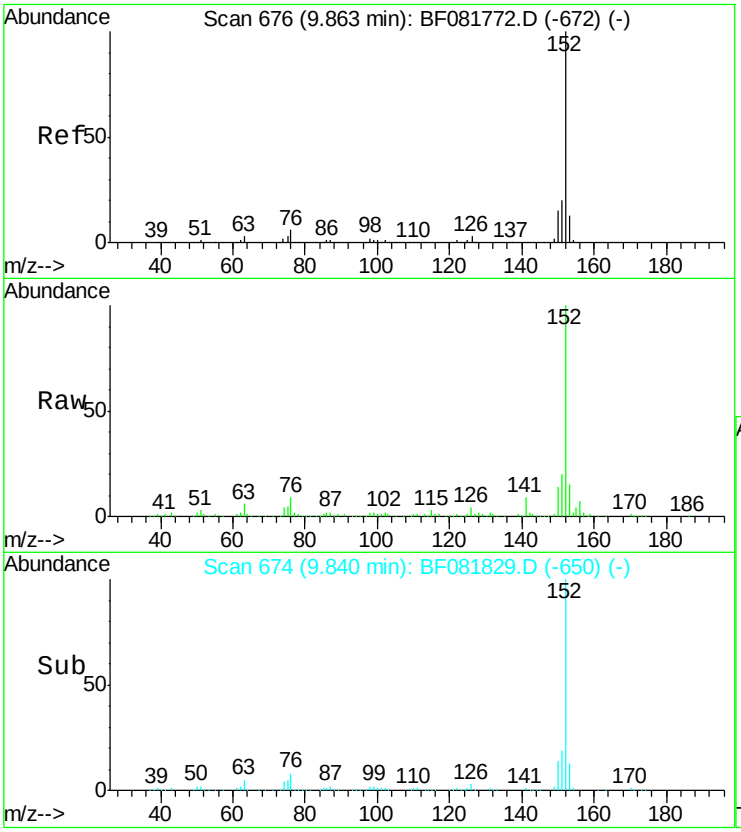




#44
2-Fluorobiphenyl
Concen: 84.82 ng
RT: 9.30 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:172 Resp: 1131256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 26.1 | 39.1 |
| 170 | 25.1 | 17.4 | 26.2 |



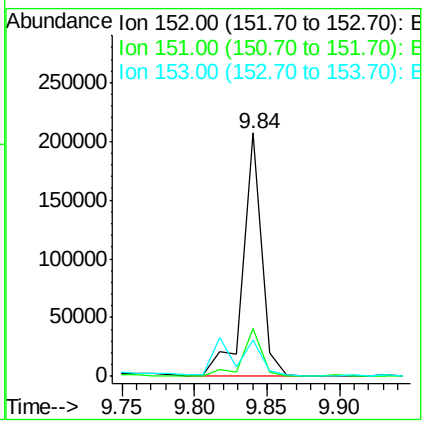


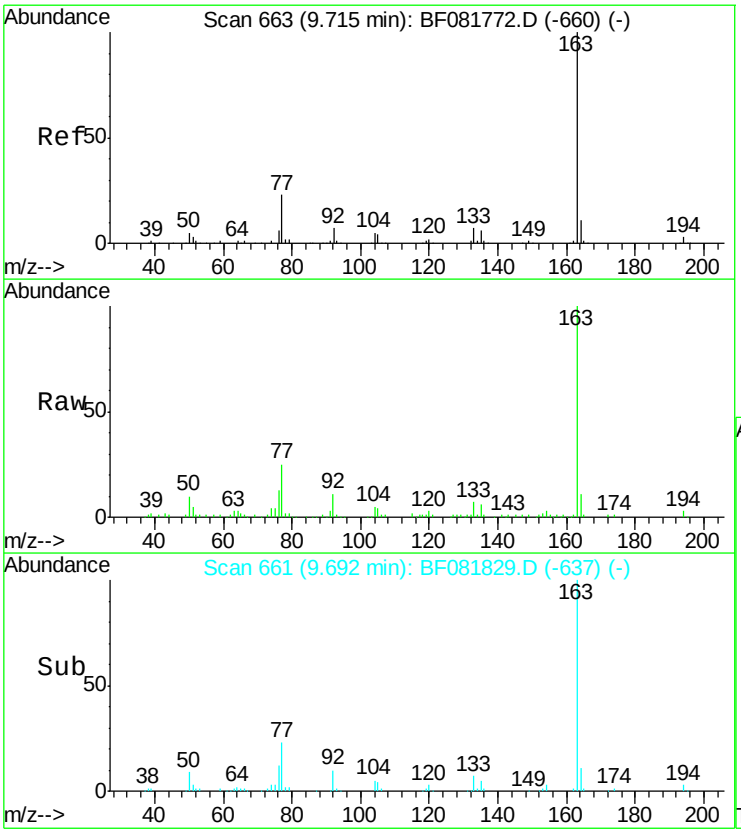

#48
Acenaphthylene
Concen: 7.82 ng
RT: 9.84 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:152 Resp: 182291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 14.6 | 22.0 |
| 153 | 14.9 | 10.3 | 15.5 |

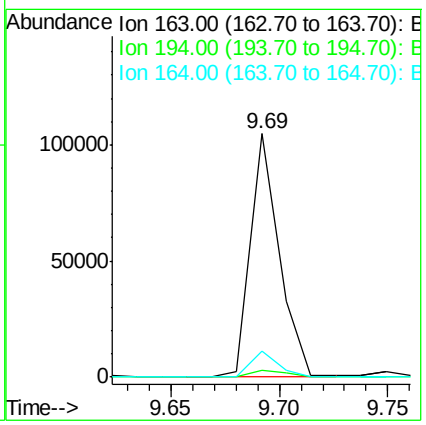


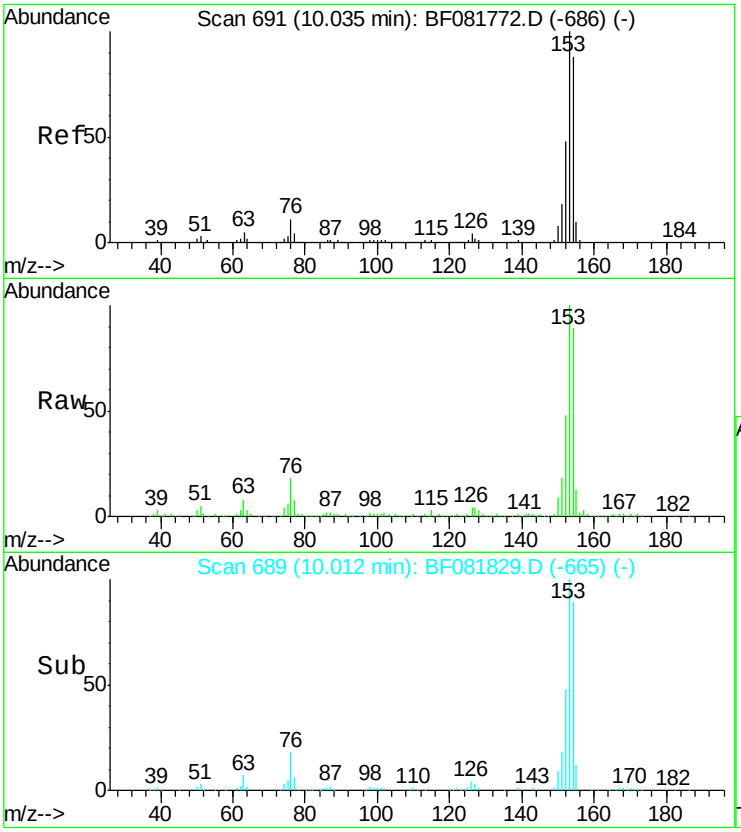




#49
Dimethylphthalate
Concen: 5.84 ng
RT: 9.69 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:163 Resp: 97272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.8 | 4.4 | 6.6# |
| 164 | 10.9 | 8.3 | 12.5 |



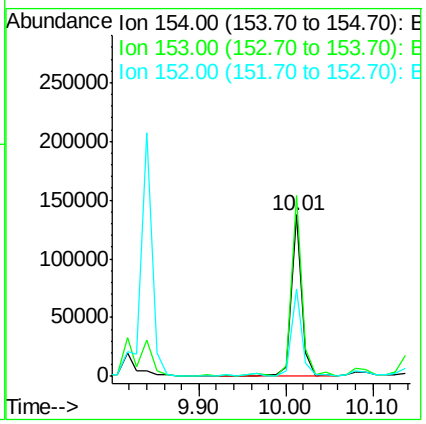


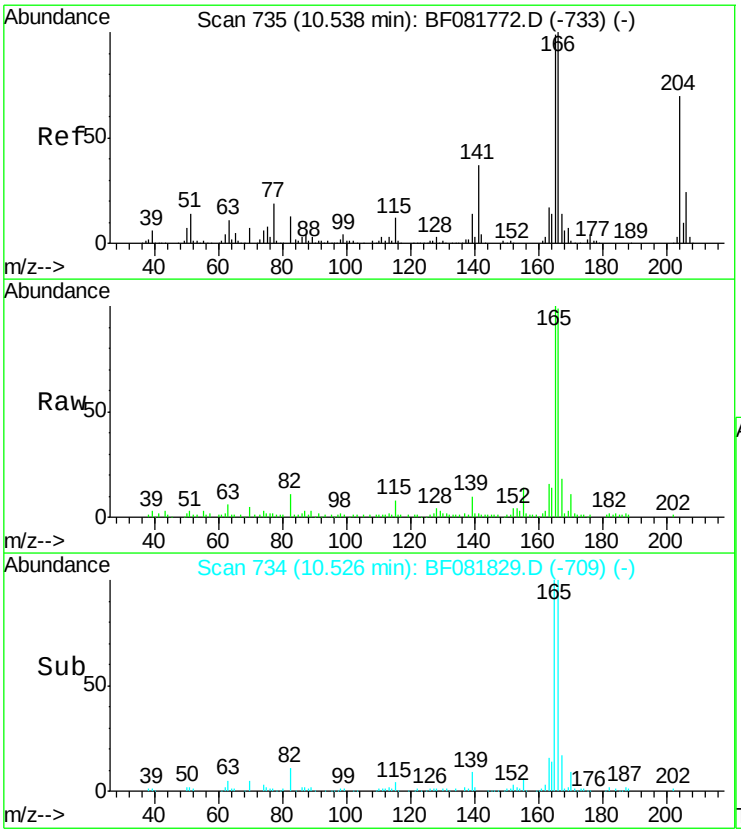

#51
Acenaphthene
Concen: 8.85 ng
RT: 10.01 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:154 Resp: 118852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 82.1 | 123.1 |
| 152 | 53.9 | 37.9 | 56.9 |

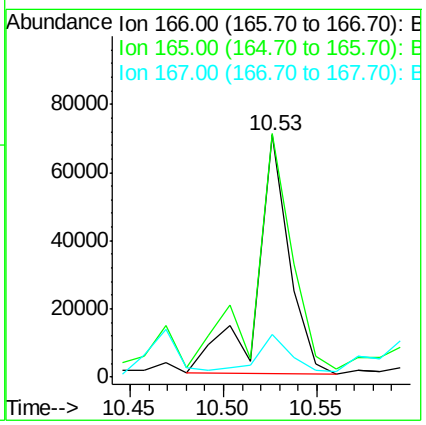


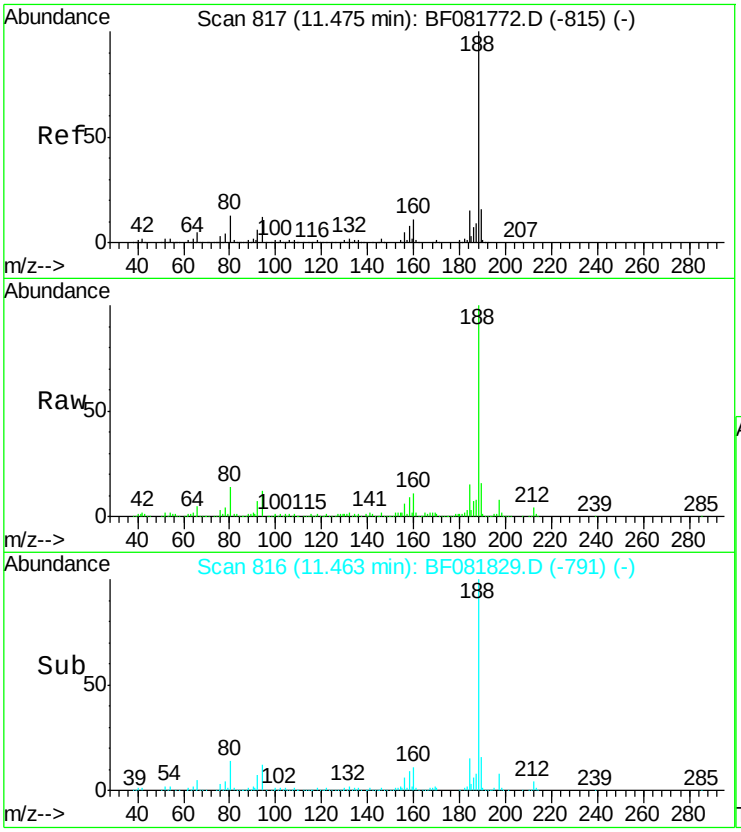




#57
Fluorene
Concen: 5.62 ng m
RT: 10.53 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:166 Resp: 84932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.5 | 72.6 | 109.0 |
| 167 | 17.7 | 10.6 | 16.0# |



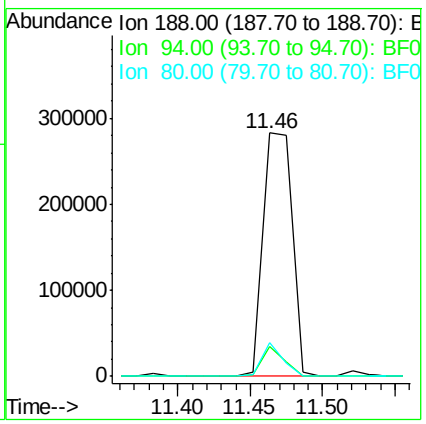


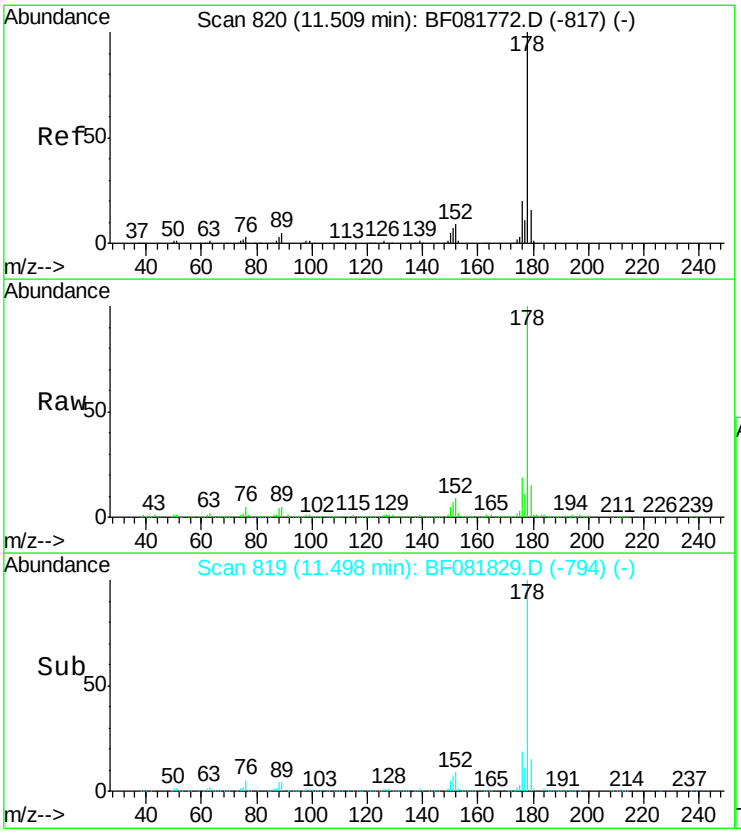

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:188 Resp: 393828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.2 | 11.1 | 16.7 |
| 80 | 13.9 | 11.0 | 16.4 |

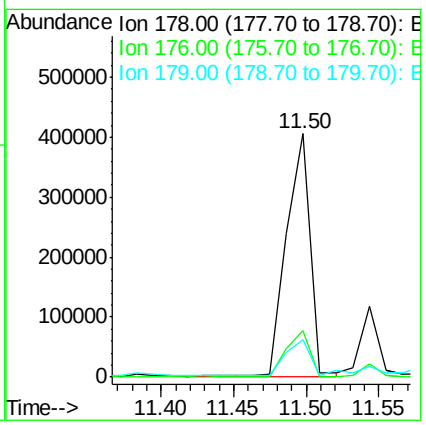


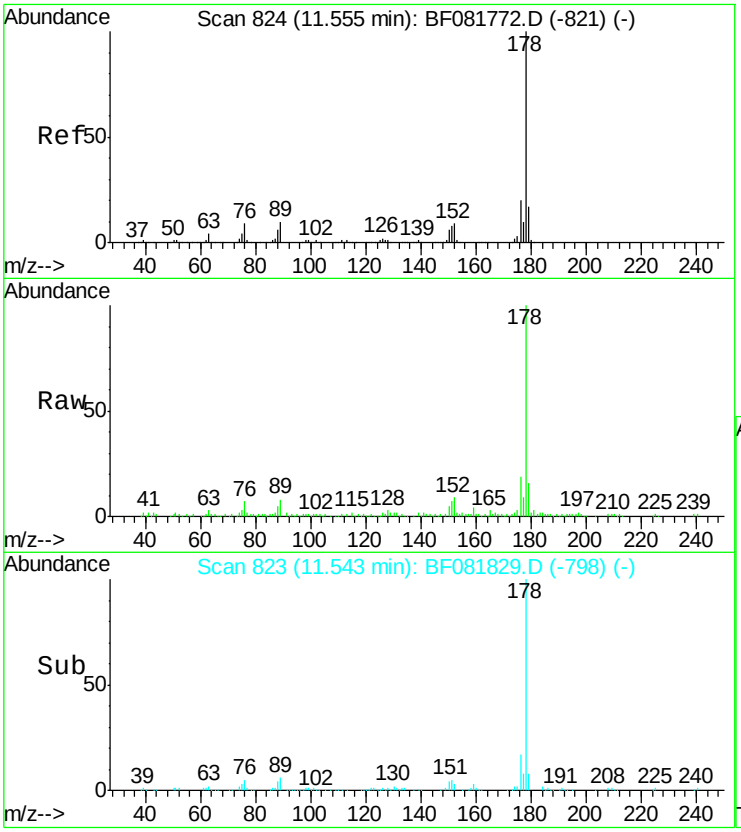




#70
Phenanthrene
Concen: 20.05 ng
RT: 11.50 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:178 Resp: 451341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 13.8 | 20.8 |
| 179 | 15.4 | 12.2 | 18.2 |



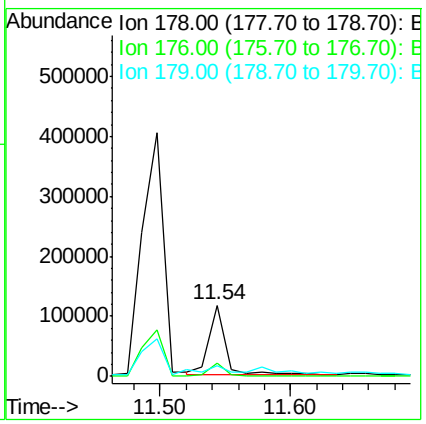


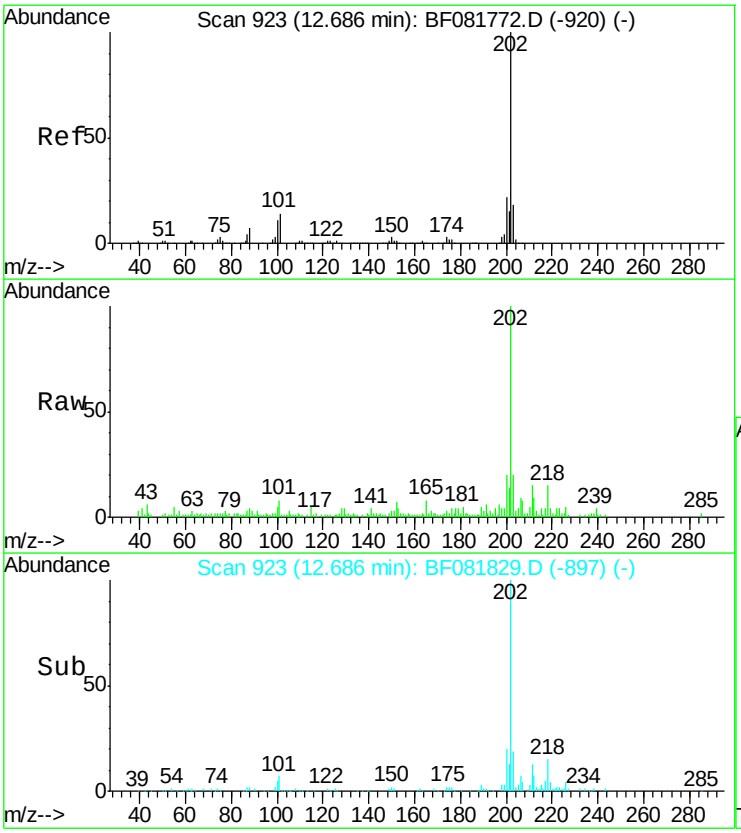

#71
Anthracene
Concen: 4.93 ng
RT: 11.54 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:178 Resp: 106988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.1 | 21.1 |
| 179 | 15.5 | 12.2 | 18.2 |

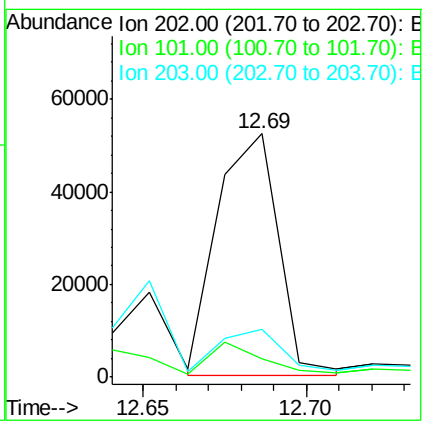


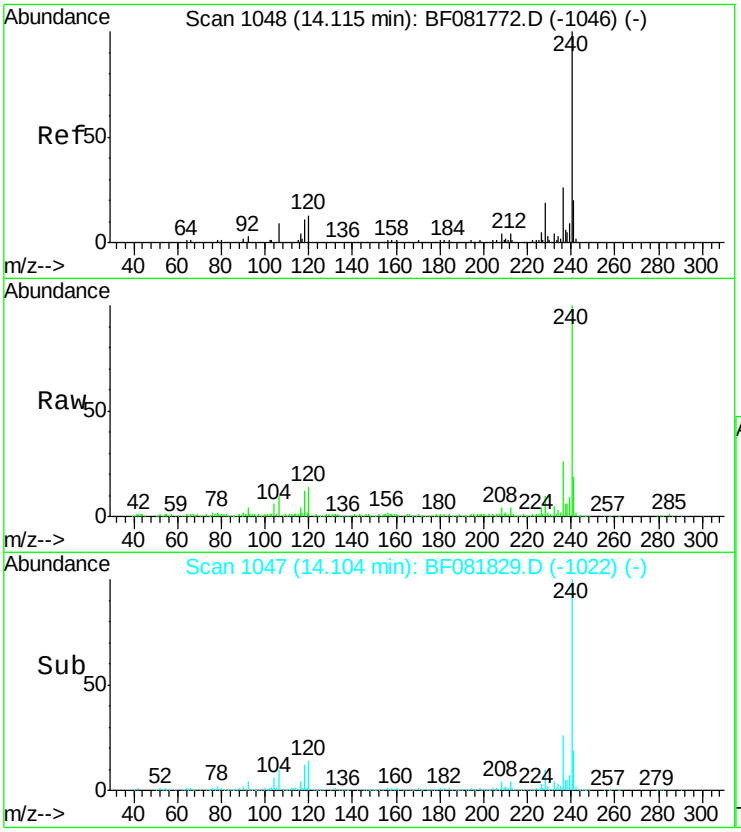




#74
Fluoranthene
Concen: 3.01 ng m
RT: 12.69 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:202 Resp: 68227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.7 | 0.0 | 38.3 |
| 203 | 19.9 | 0.0 | 37.3 |



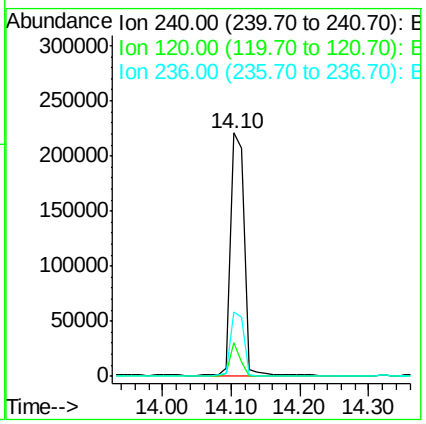


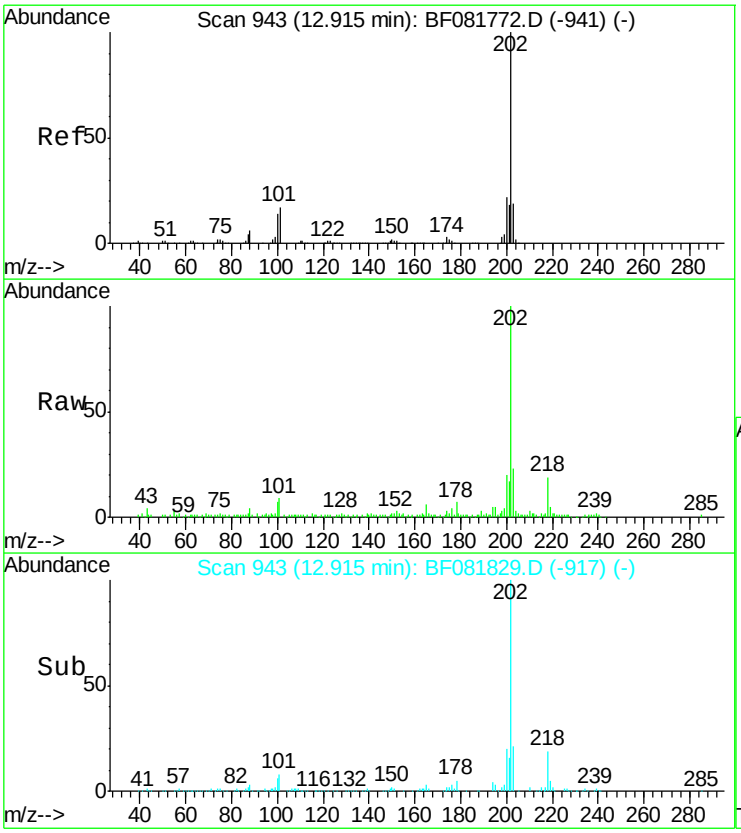

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.10 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:240 Resp: 307066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.6 | 16.2 | 24.2# |
| 236 | 26.2 | 18.4 | 27.6 |

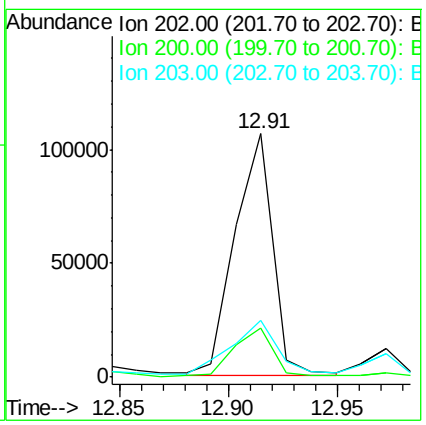


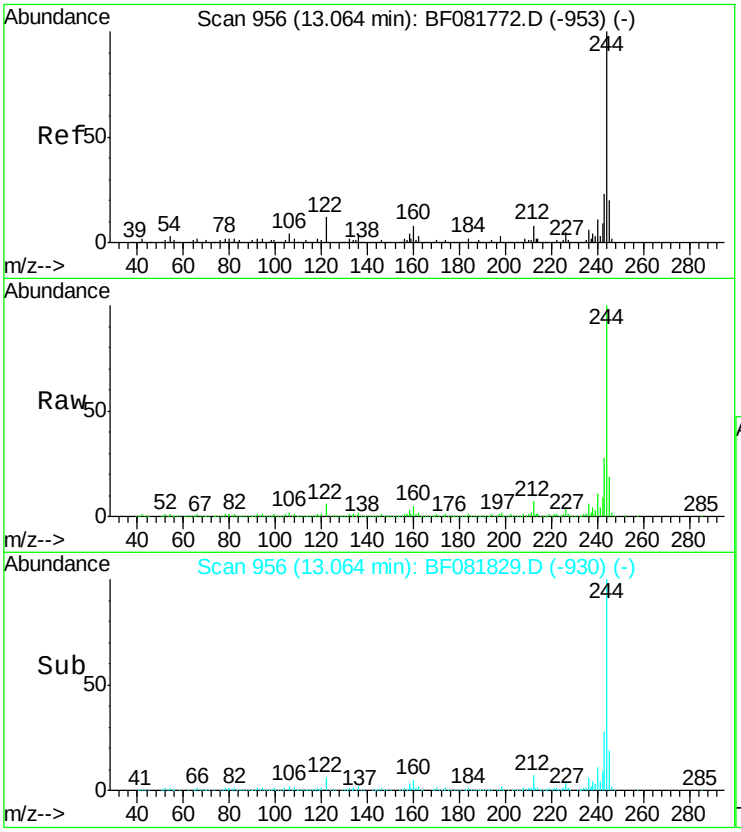




#77
Pyrene
Concen: 5.53 ng m
RT: 12.91 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:202 Resp: 127911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 15.0 | 22.4 |
| 203 | 23.4 | 14.1 | 21.1# |



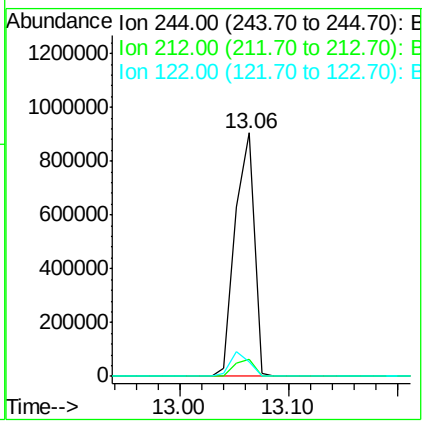


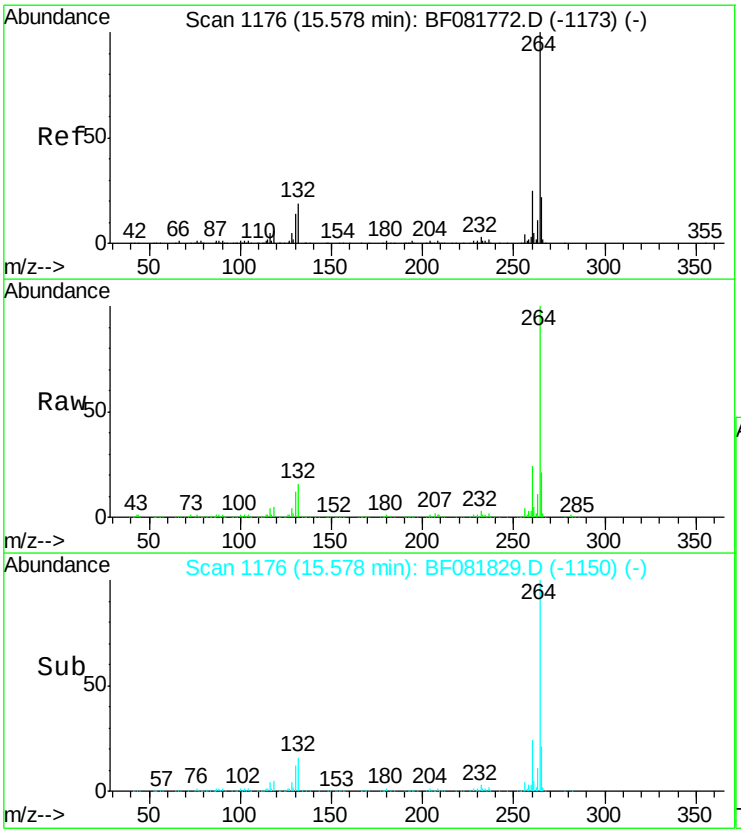

#78
Terphenyl-d14
Concen: 80.69 ng
RT: 13.06 min Scan# 956
Delta R.T. -0.00 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

**Instrument :**
BNA_F
**ClientSampleId :**
MW-11B

Tgt Ion:244 Resp: 1084645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 4.3 | 6.5# |
| 122 | 5.9 | 17.4 | 26.2# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:264 Resp: 286265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 16.7 | 25.1 |
| 265 | 21.3 | 17.2 | 25.8 |