Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092115\
Data File : BF081713.D
Acq On : 21 Sep 2015 14:09
Operator : UM/IZ
Sample : G3669-01DL2 40X
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-91415-WATERDL2

Quant Time: Sep 22 01:01:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 29422 | 20.00 | ng | -0.06 |
| 21) Naphthalene-d8 | 11.05 | 136 | 120545 | 20.00 | ng | -0.07 |
| 38) Acenaphthene-d10 | 15.19 | 164 | 56881 | 20.00 | ng | -0.07 |
| 63) Phenanthrene-d10 | 18.70 | 188 | 121292 | 20.00 | ng | -0.06 |
| 75) Chrysene-d12 | 23.35 | 240 | 101728 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 24.79 | 264 | 68195 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng | |
| 7) Phenol-d6 | 0.00 | 99 | 0 | 0.00 | ng | |
| 23) Nitrobenzene-d5 | 9.57 | 82 | 2498 | 1.00 | ng | 0.04 |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng | |
| 44) 2-Fluorobiphenyl | 13.73 | 172 | 7678 | 1.73 | ng | -0.04 |
| 78) Terphenyl-d14 | 22.07 | 244 | 7142 | 1.63 | ng | -0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.52 | 88 | 118468 | 139.10 | ng | # 14 |
| 31) Naphthalene | 11.11 | 128 | 221747 | 34.49 | ng | 98 |
| 33) 4-Chloroaniline | 11.11 | 127 | 28517 | 10.88 | ng | # 34 |
| 37) 2-Methylnaphthalene | 12.77 | 142 | 18896 | 4.52 | ng | # 91 |
| 48) Acenaphthylene | 14.86 | 152 | 13917 | 2.08 | ng | 95 |

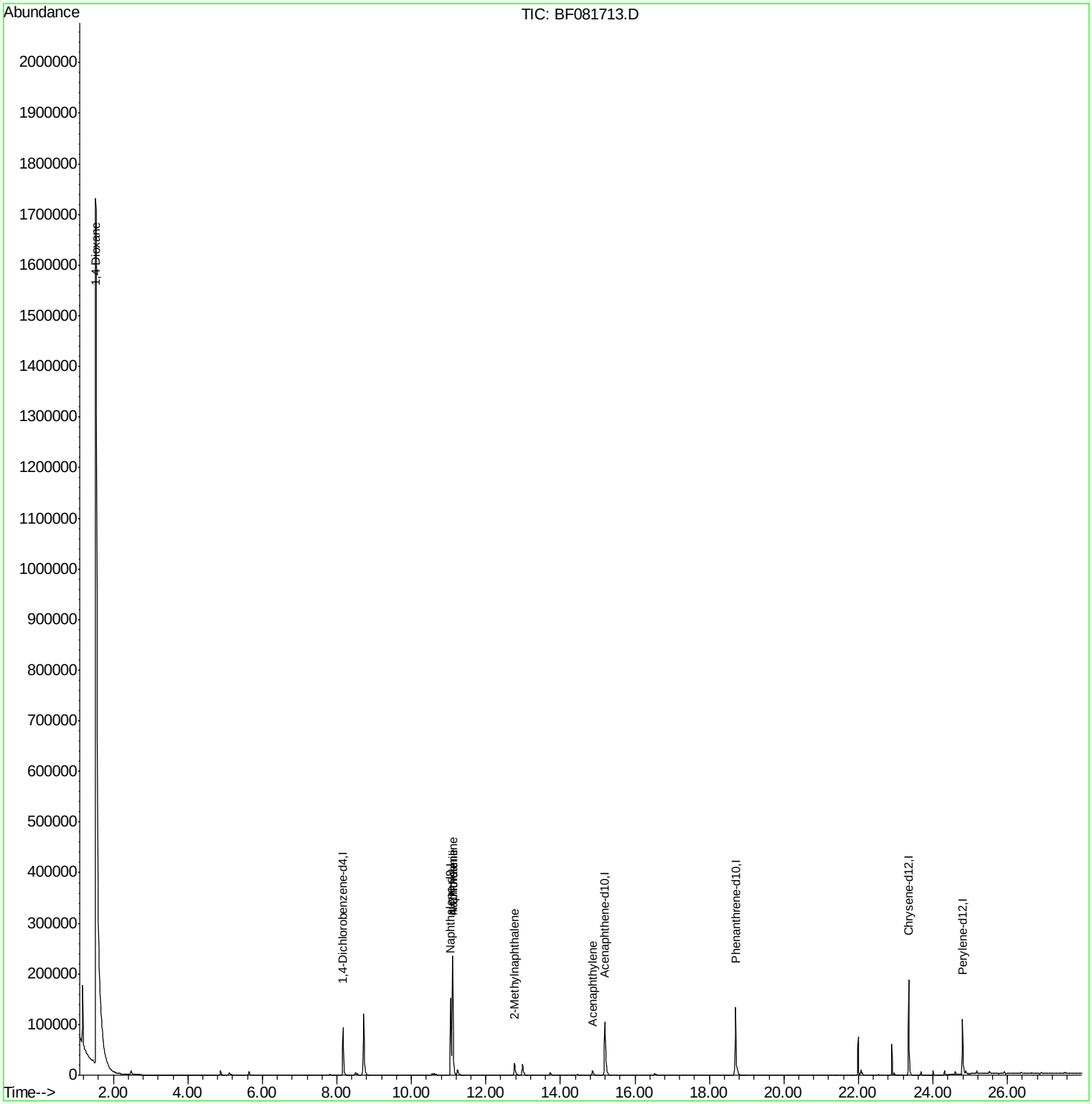
(#) = qualifier out of range (m) = manual integration (+) = signals summed

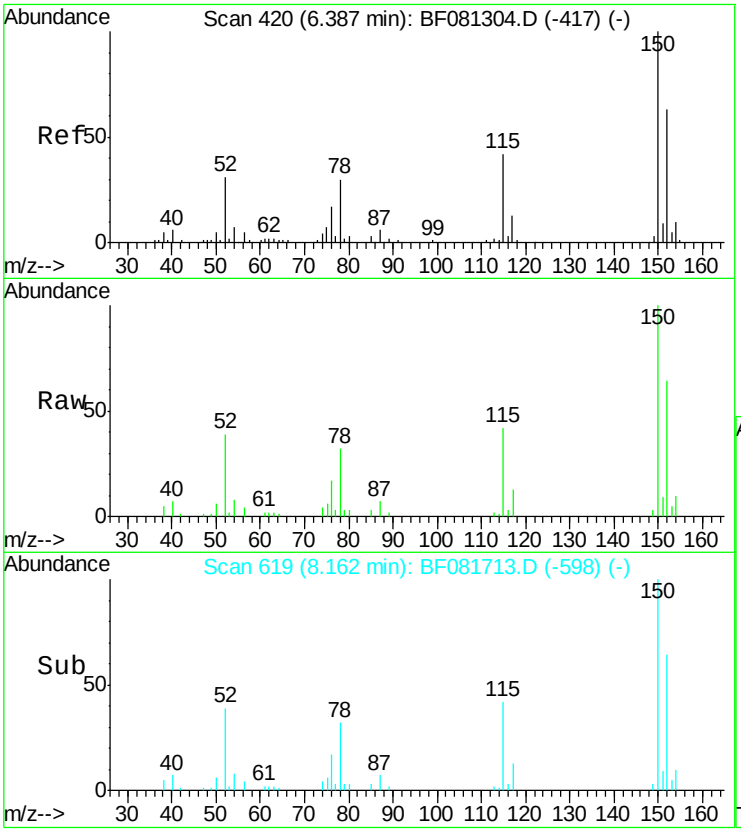
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092115\
Data File : BF081713.D
Acq On : 21 Sep 2015 14:09
Operator : UM/IZ
Sample : G3669-01DL2 40X
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Quant Time: Sep 22 01:01:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration



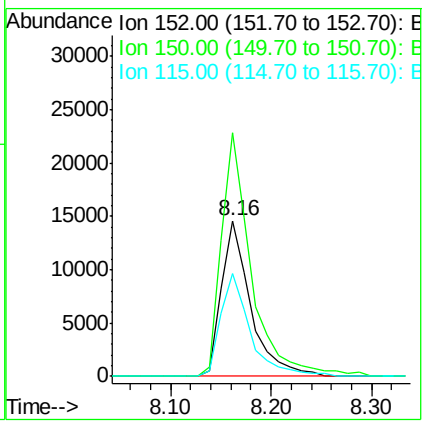


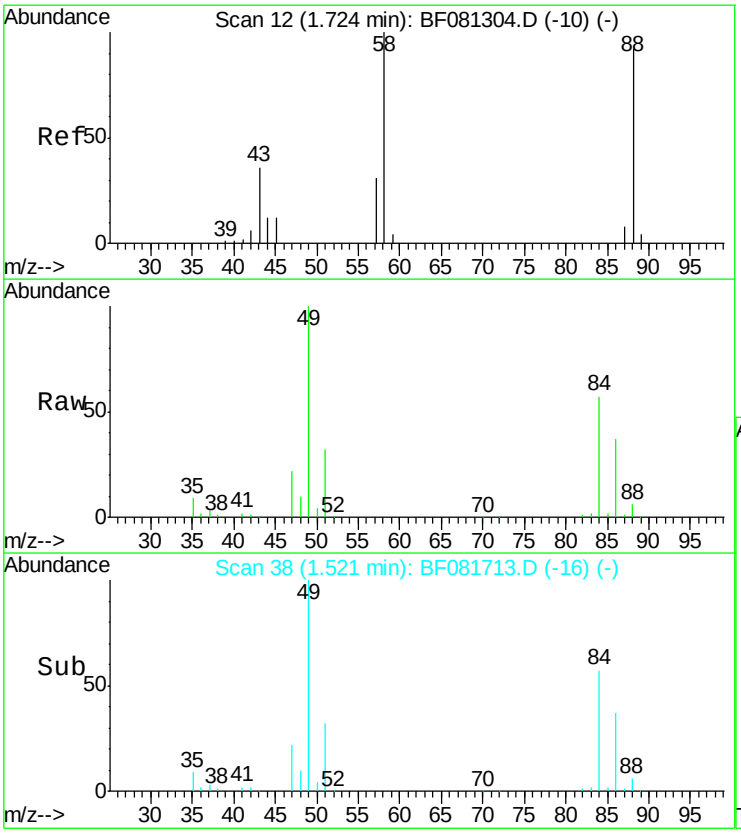

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 619
Delta R.T. -0.06 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:152 Resp: 29422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 124.7 | 187.1 |
| 115 | 66.2 | 39.0 | 58.4# |

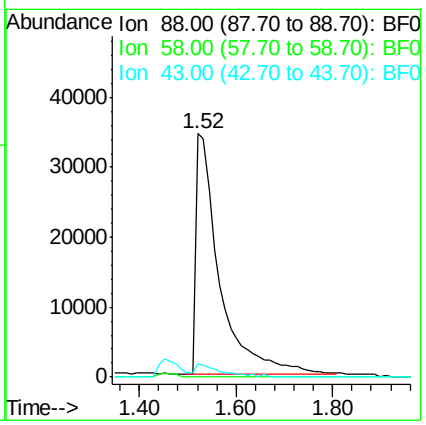


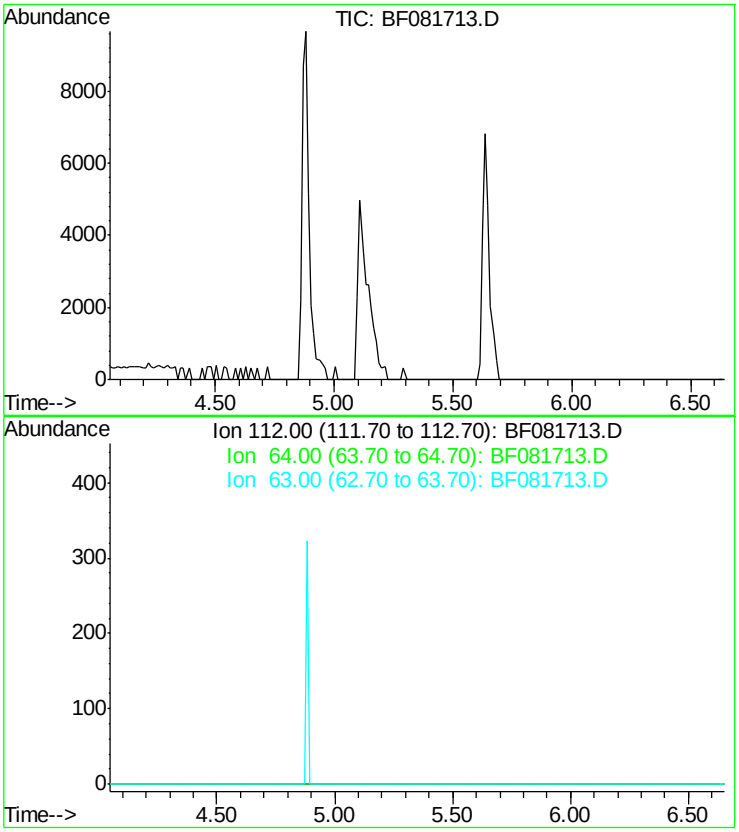




#2
1,4-Dioxane
Concen: 139.10 ng
RT: 1.52 min Scan# 38
Delta R.T. -0.04 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion: 88 Resp: 118468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 77.7 | 116.5# |
| 43 | 6.2 | 26.6 | 40.0# |





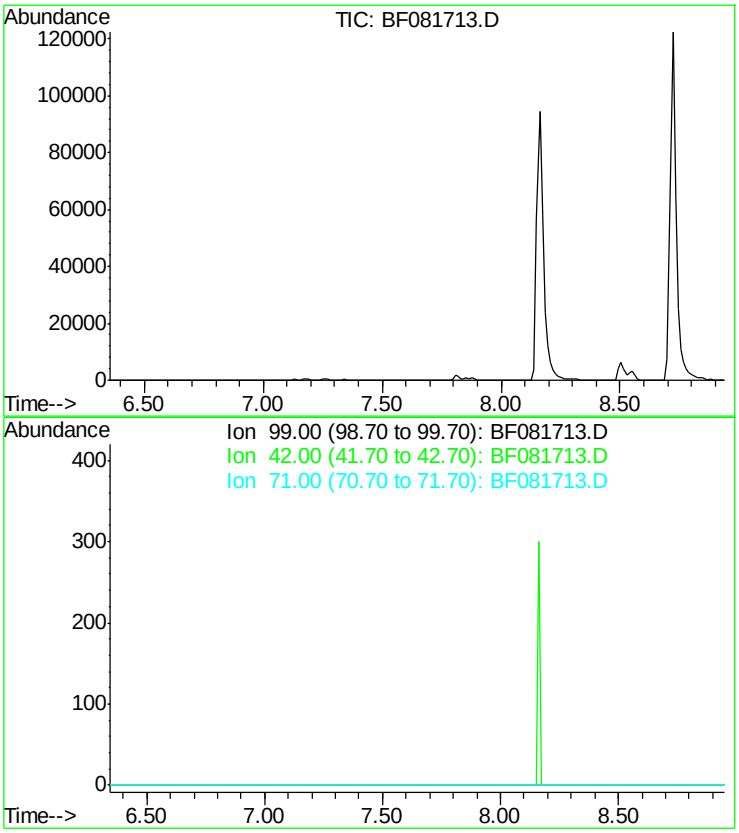

#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.35 min

Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 49.6 |
| 63 | 21.7 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

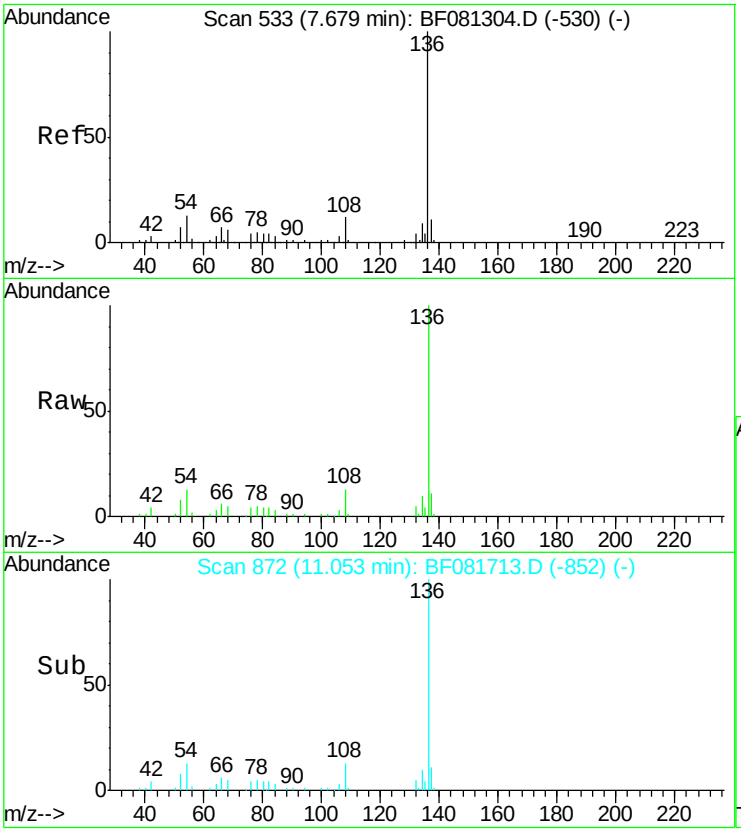



#7
Phenol-d6
Concen: 0.00 ng
Expected RT: 7.65 min

Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 17.1 |
| 71 | 17.7 |

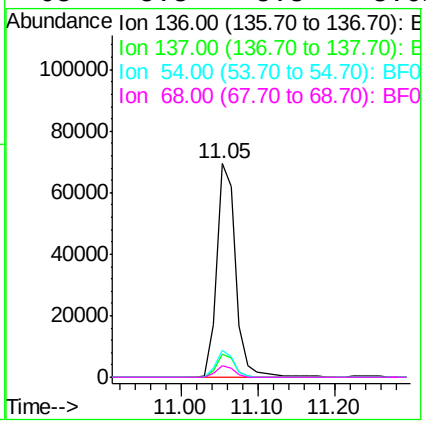


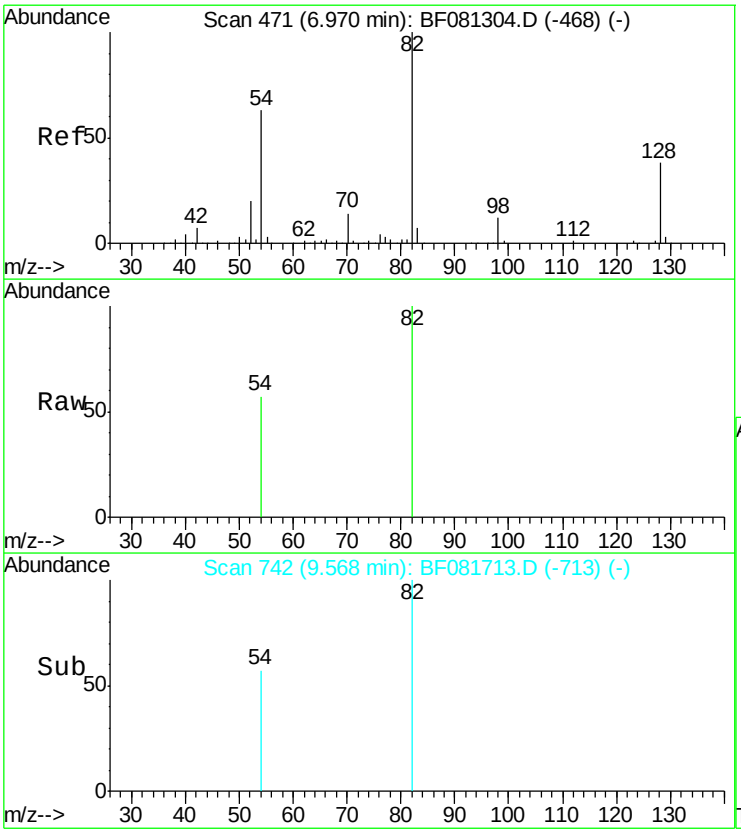

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.05 min Scan# 872
Delta R.T. -0.07 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:136 Resp: 120545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 12.6 | 8.2 | 12.2# |
| 68 | 5.3 | 5.8 | 8.6# |

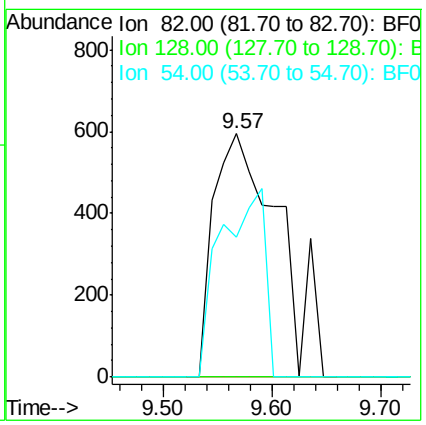


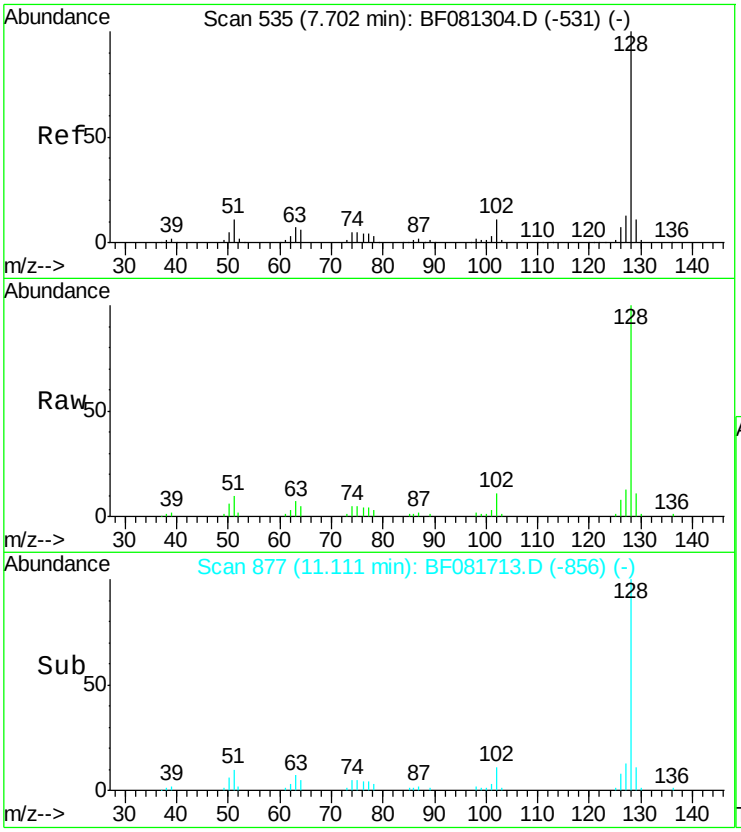




#23
Nitrobenzene-d5
Concen: 1.00 ng
RT: 9.57 min Scan# 742
Delta R.T. 0.04 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion: 82 Resp: 2498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 0.0 | 51.0 | 76.6# |
| 54 | 57.5 | 47.5 | 71.3 |



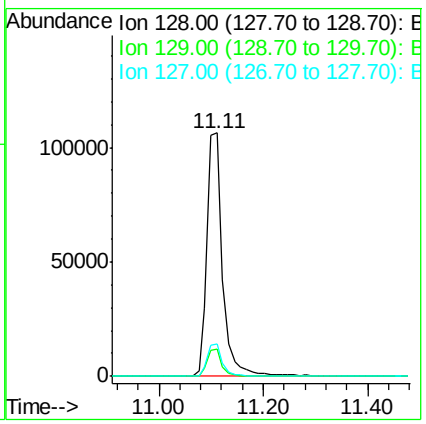


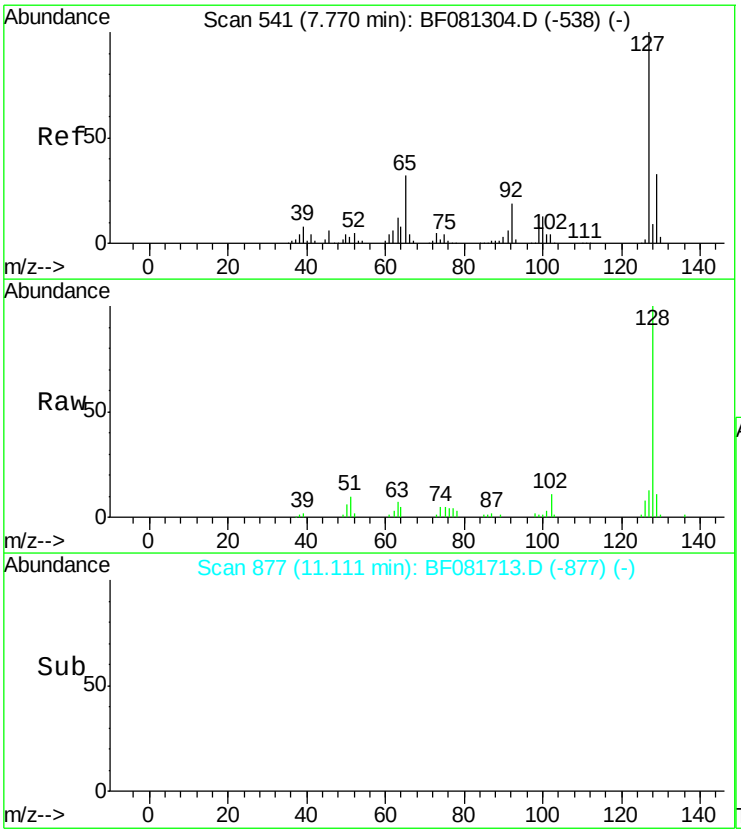

#31
Naphthalene
Concen: 34.49 ng
RT: 11.11 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:128 Resp: 221747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.4 | 12.6 |
| 127 | 13.1 | 9.9 | 14.9 |

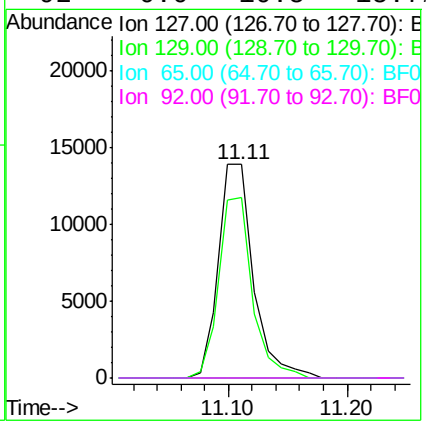


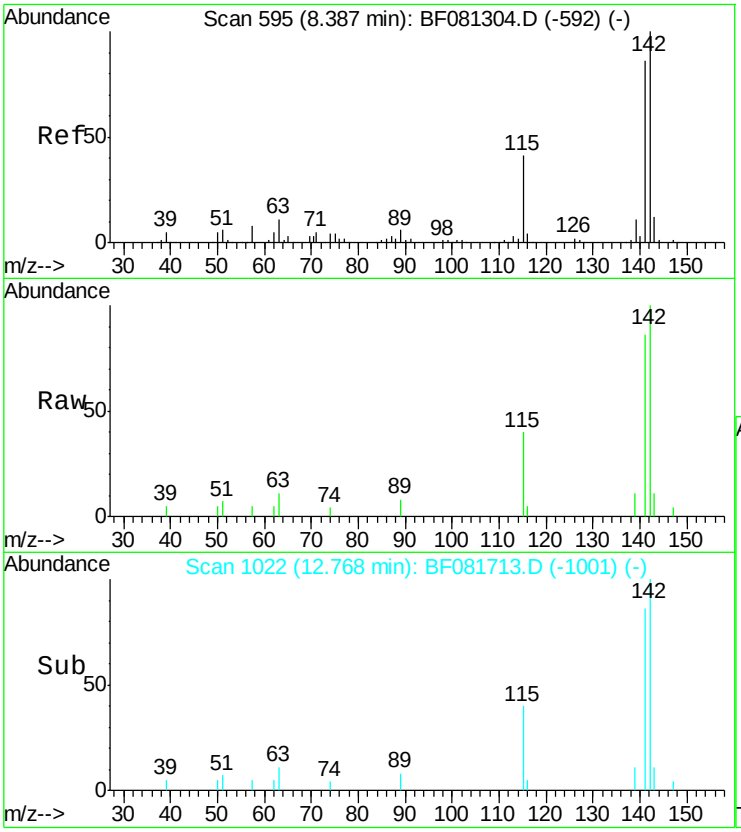




#33
4-Chloroaniline
Concen: 10.88 ng
RT: 11.11 min Scan# 877
Delta R.T. -0.30 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion:127 Resp: 28517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 84.7 | 25.8 | 38.6# |
| 65 | 0.0 | 17.9 | 26.9# |
| 92 | 0.0 | 10.5 | 15.7# |



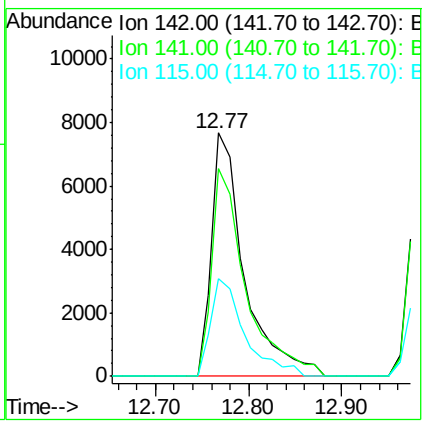


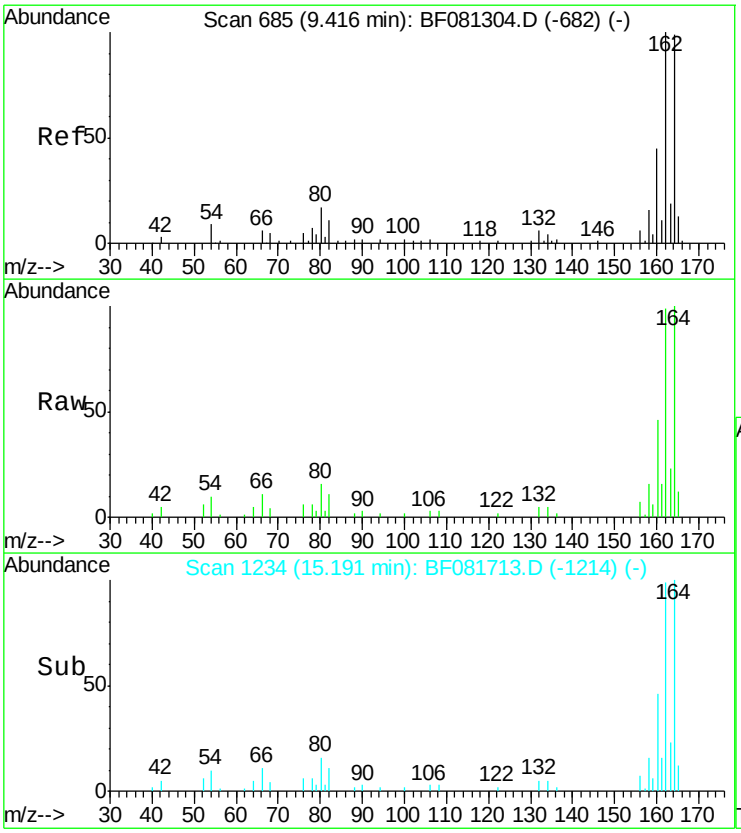

#37
2-Methylnaphthalene
Concen: 4.52 ng
RT: 12.77 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:142 Resp: 18896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.6 | 67.5 | 101.3 |
| 115 | 39.9 | 18.2 | 27.2# |

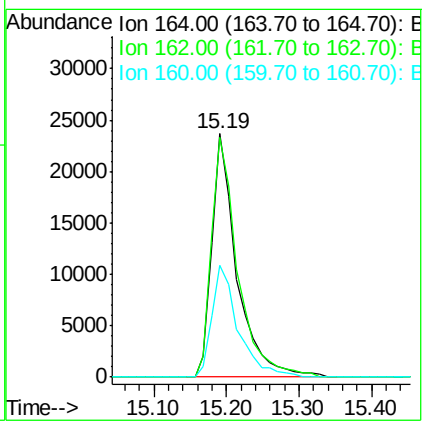


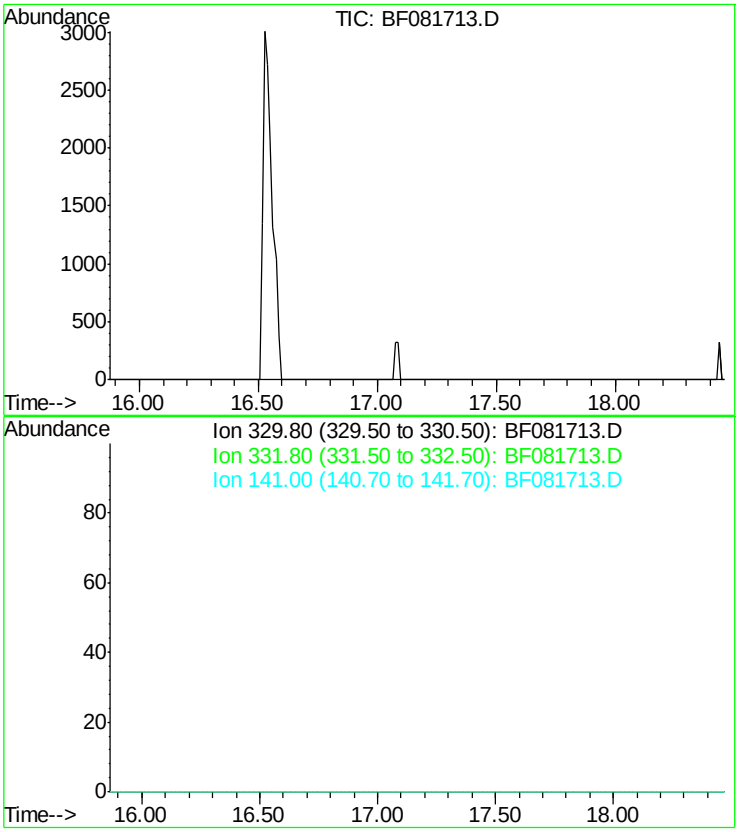




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.19 min Scan# 1234
Delta R.T. -0.07 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion:164 Resp: 56881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 75.2 | 112.8 |
| 160 | 46.1 | 31.5 | 47.3 |





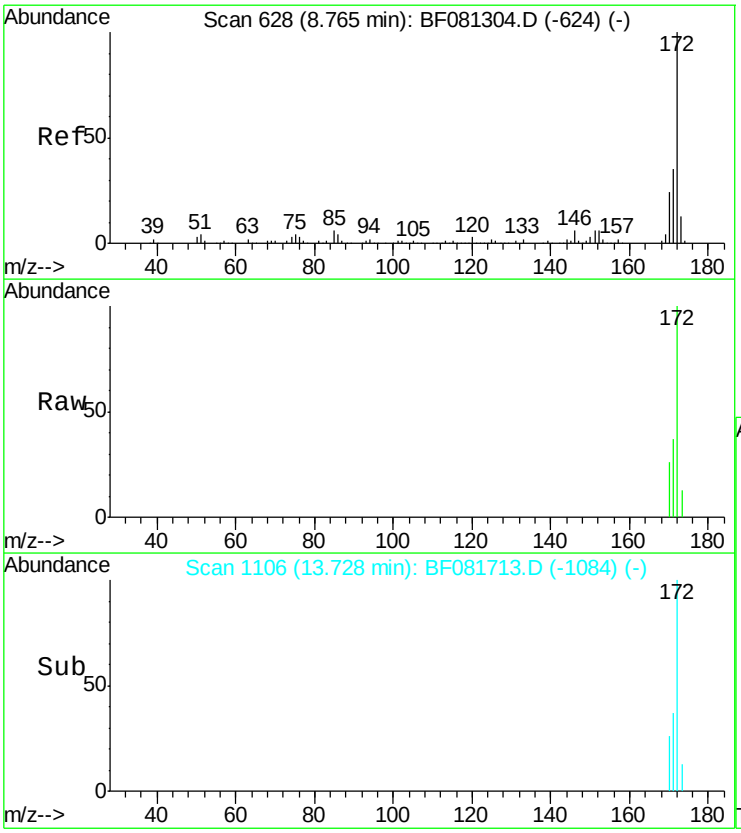

#41
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 17.17 min

Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 95.7 |
| 141 | 37.1 |

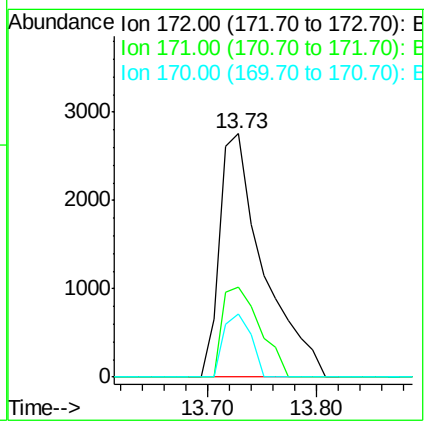
**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

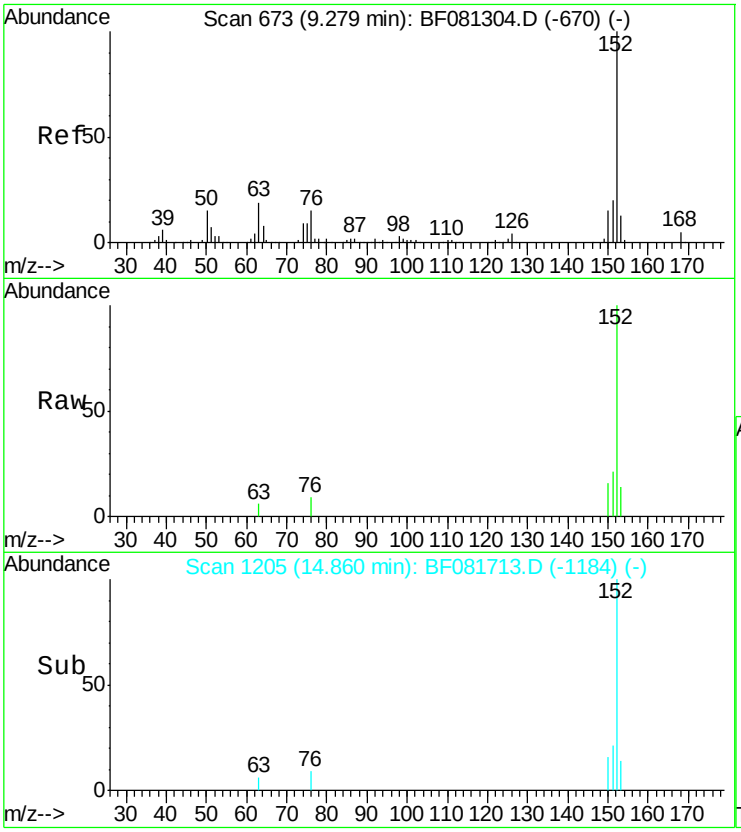



#44
2-Fluorobiphenyl
Concen: 1.73 ng
RT: 13.73 min Scan# 1106
Delta R.T. -0.04 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion:172 Resp: 7678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 26.1 | 39.1 |
| 170 | 26.1 | 17.4 | 26.2 |



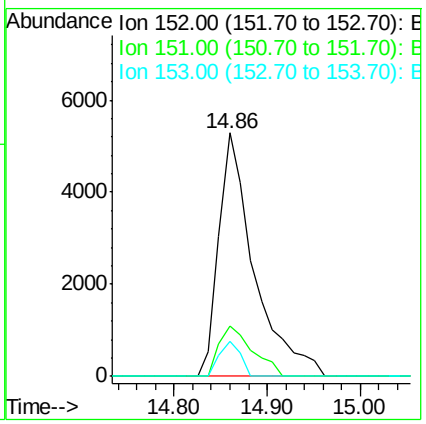


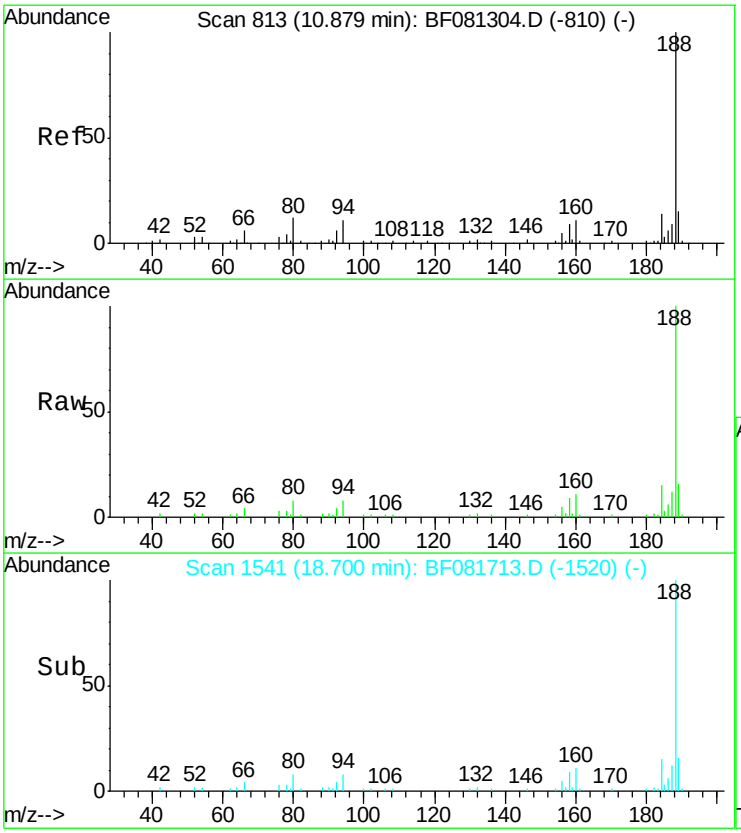

#48
Acenaphthylene
Concen: 2.08 ng
RT: 14.86 min Scan# 1205
Delta R.T. -0.06 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:152 Resp: 13917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 14.6 | 22.0 |
| 153 | 14.2 | 10.3 | 15.5 |

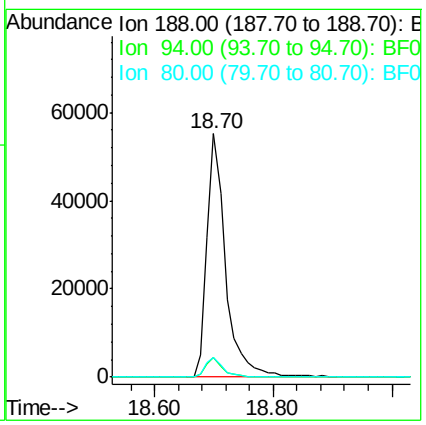


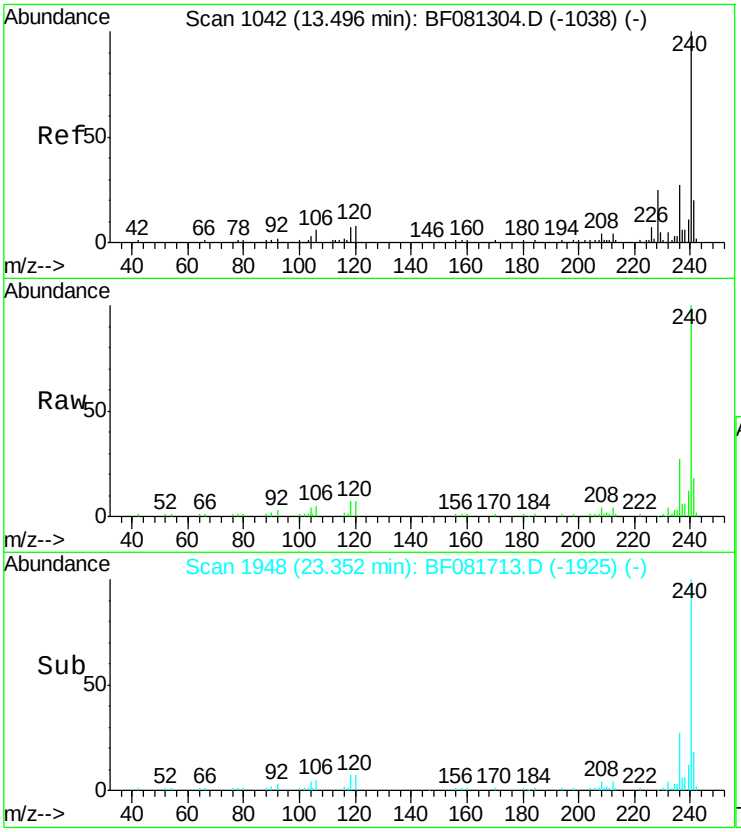




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion:188 Resp: 121292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 11.1 | 16.7# |
| 80 | 8.3 | 11.0 | 16.4# |



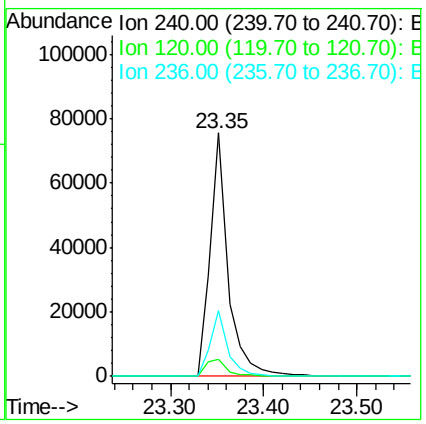


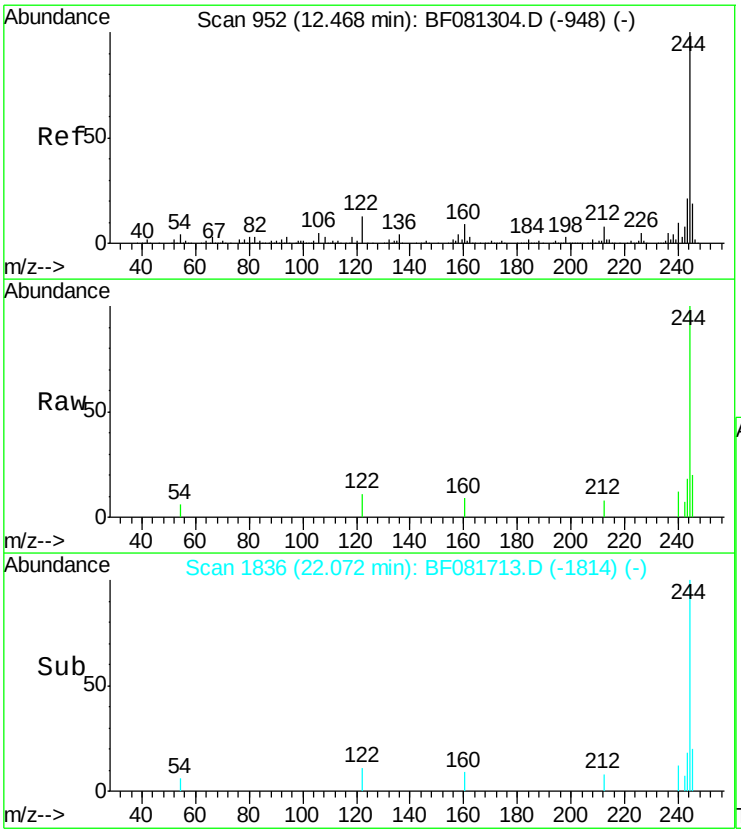

#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 1948
Delta R.T. -0.03 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:240 Resp: 101728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.9 | 16.2 | 24.2# |
| 236 | 27.0 | 18.4 | 27.6 |

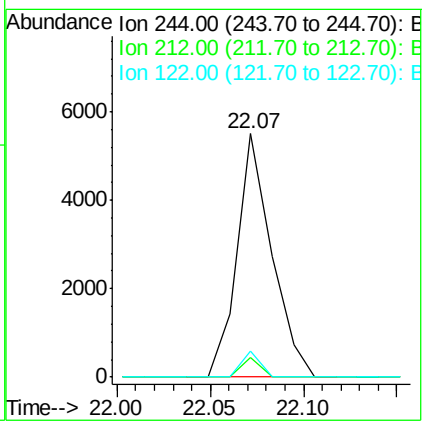


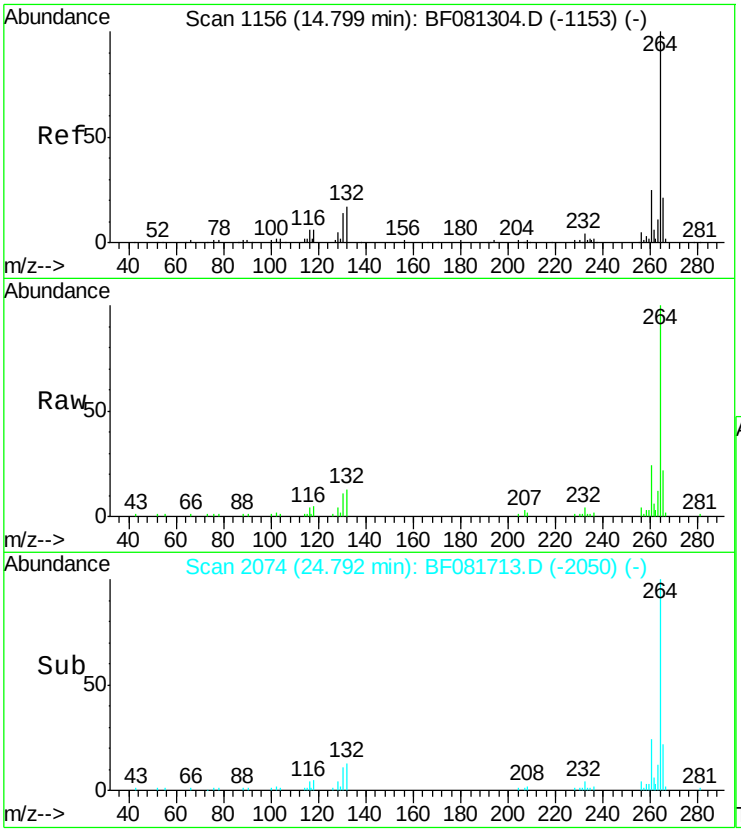




#78
Terphenyl-d14
Concen: 1.63 ng
RT: 22.07 min Scan# 1836
Delta R.T. -0.04 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

Tgt Ion:244 Resp: 7142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 4.3 | 6.5# |
| 122 | 10.8 | 17.4 | 26.2# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081713.D
Acq: 21 Sep 2015 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
WC-91415-WATERDL2

Tgt Ion:264 Resp: 68195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 16.7 | 25.1 |
| 265 | 21.8 | 17.2 | 25.8 |