Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062415\
Data File : BF080155.D
Acq On : 25 Jun 2015 4:33
Operator : TP/IZ
Sample : G2750-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CF-2

Quant Time: Jun 25 05:40:18 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 00:52:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.32 | 152 | 36478 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.61 | 136 | 139426 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.38 | 164 | 72630 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.88 | 188 | 140300 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.79 | 240 | 169052 | 20.00 | ng | -0.14 |
| 86) Perylene-d12 | 16.64 | 264 | 163827 | 20.00 | ng | -0.19 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.93 | 112 | 311017 | 150.93 | ng | 0.01 |
| 7) Phenol-d6 | 6.92 | 99 | 384076 | 140.06 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.88 | 82 | 233187 | 97.37 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.18 | 330 | 107402 | 151.23 | ng | 0.01 |
| 44) 2-Fluorobiphenyl | 9.68 | 172 | 457137 | 89.76 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.54 | 244 | 594732 | 82.16 | ng | -0.07 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 10.07 | 163 | 66800 | 12.23 | ng | # 97 |
| 74) Fluoranthene | 13.14 | 202 | 20589 | 2.28 | ng | 95 |
| 91) Benzo(g,h,i)perylene | 19.03 | 276 | 21528 | 2.21 | ng | # 81 |

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

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Acq On : 25 Jun 2015 4:33
Operator : TP/IZ
Sample : G2750-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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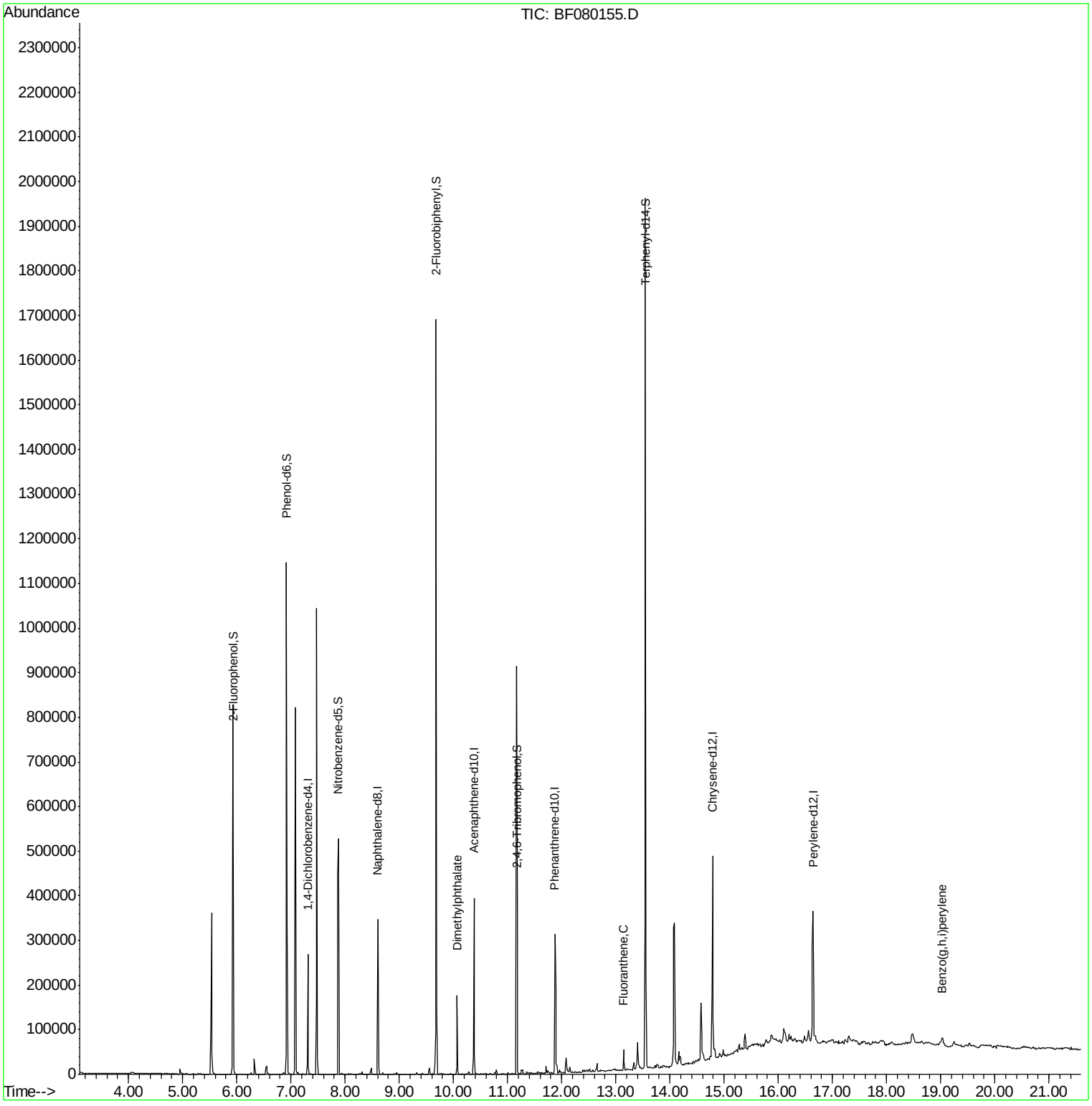
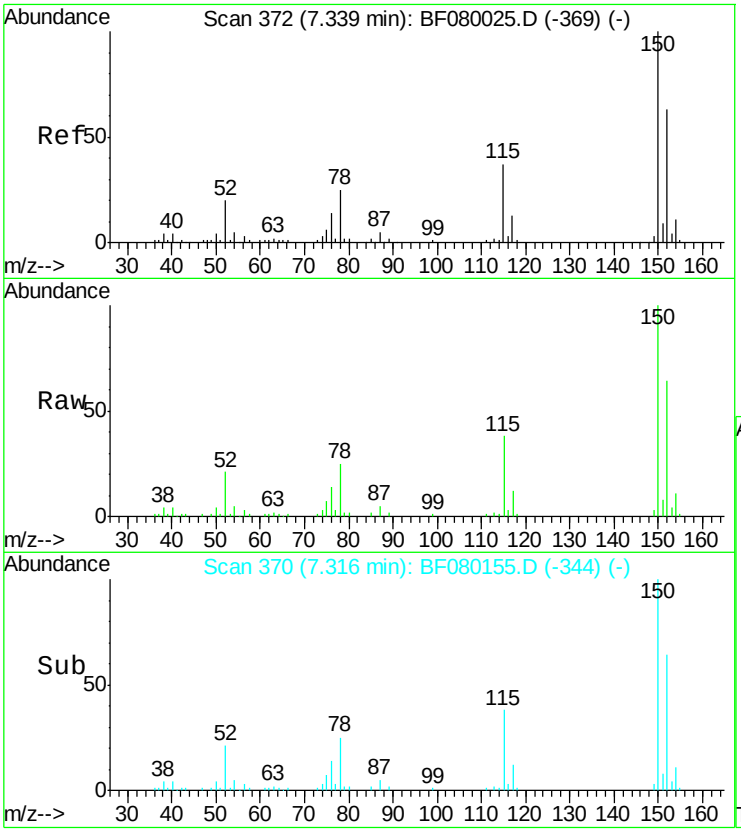


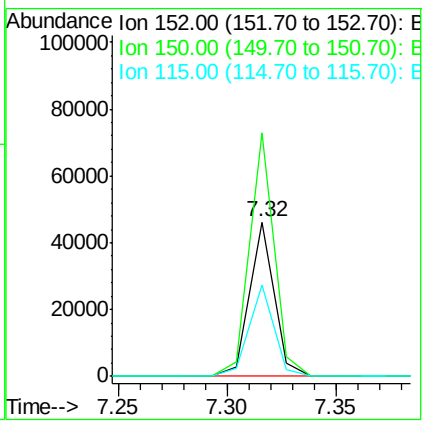


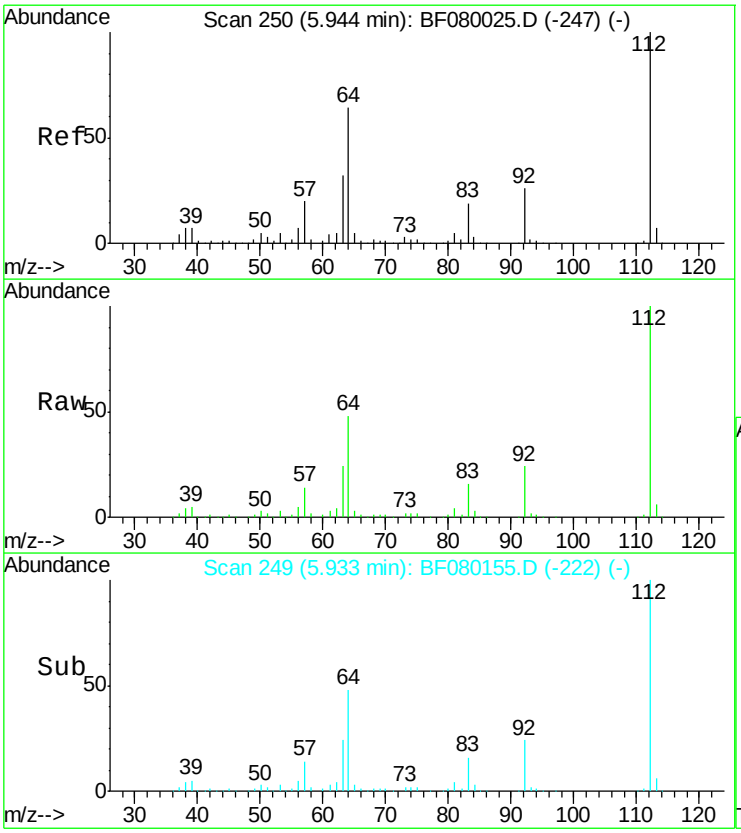

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 370
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:152 Resp: 36478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.5 | 124.7 | 187.1 |
| 115 | 59.2 | 39.0 | 58.4# |

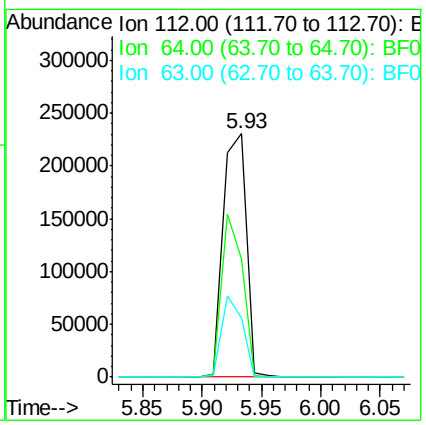


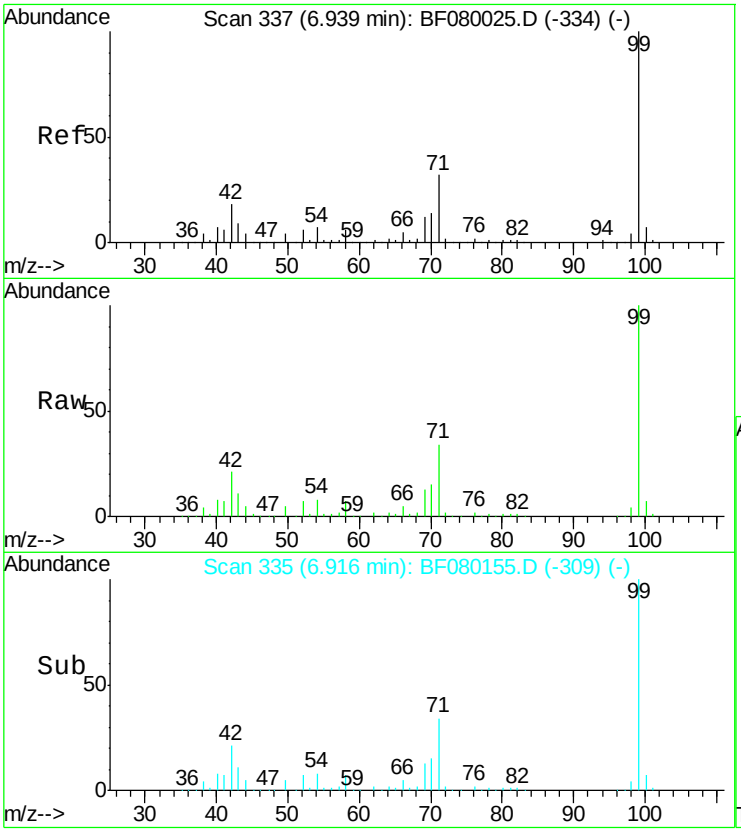




#5
2-Fluorophenol
Concen: 150.93 ng
RT: 5.93 min Scan# 249
Delta R.T. 0.01 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:112 Resp: 311017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 48.5 | 39.7 | 59.5 |
| 63 | 24.3 | 17.4 | 26.0 |



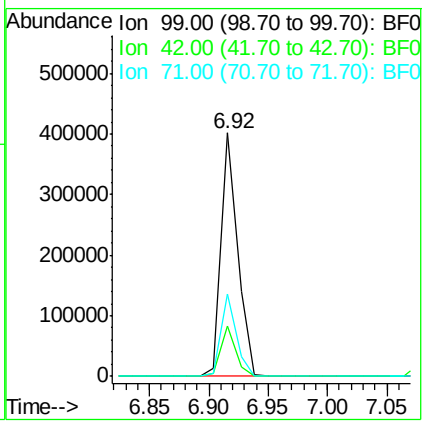


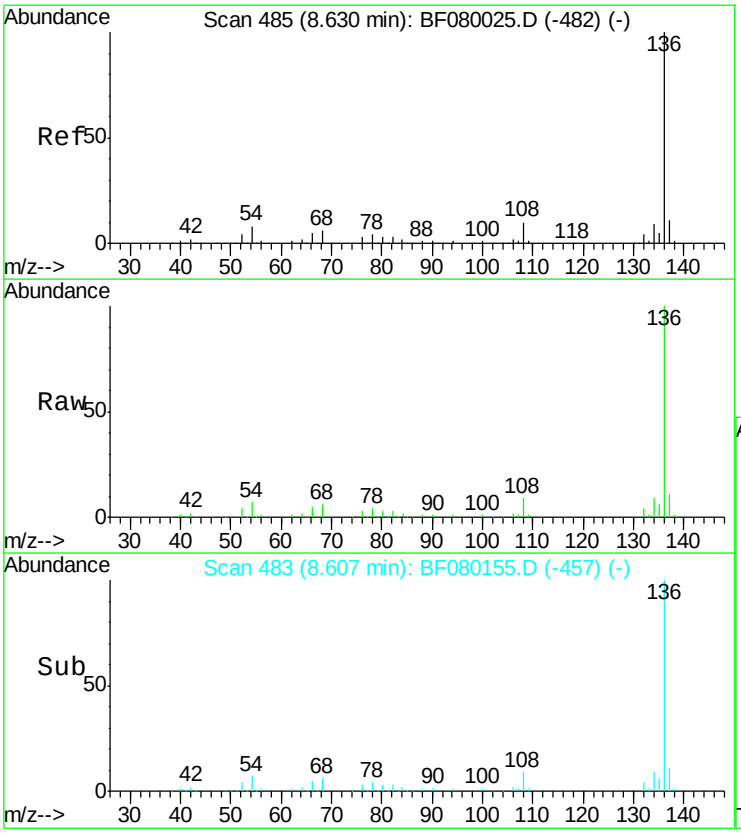

#7
Phenol-d6
Concen: 140.06 ng
RT: 6.92 min Scan# 335
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion: 99 Resp: 384076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 13.7 | 20.5# |
| 71 | 33.8 | 14.2 | 21.2# |

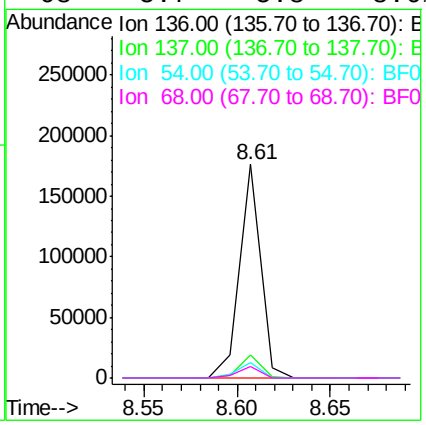


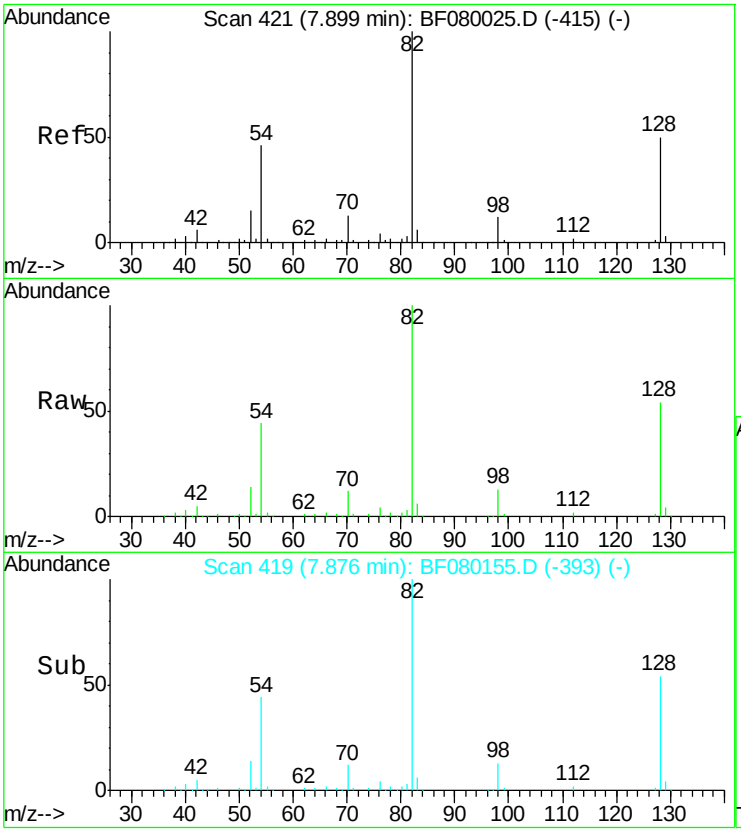




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:136 Resp: 139426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 7.4 | 8.2 | 12.2# |
| 68 | 5.7 | 5.8 | 8.6# |



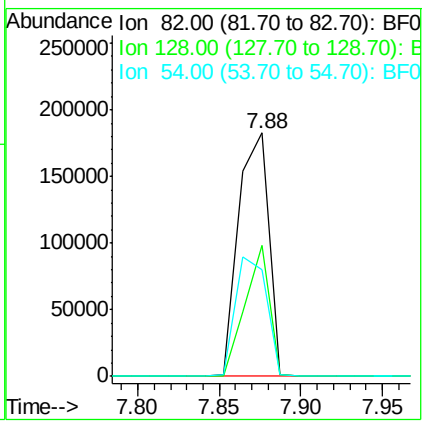


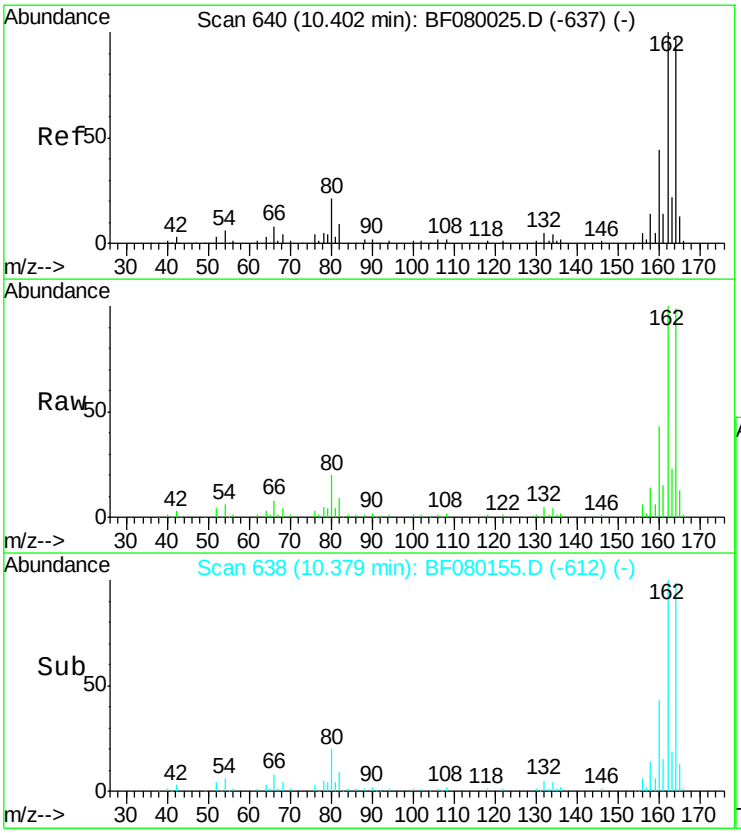

#23
Nitrobenzene-d5
Concen: 97.37 ng
RT: 7.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion: 82 Resp: 233187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 53.9 | 51.0 | 76.6 |
| 54 | 43.8 | 47.5 | 71.3# |

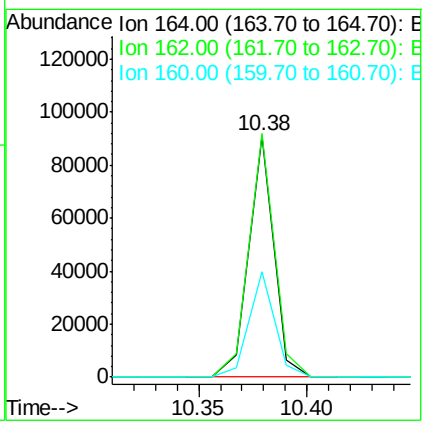


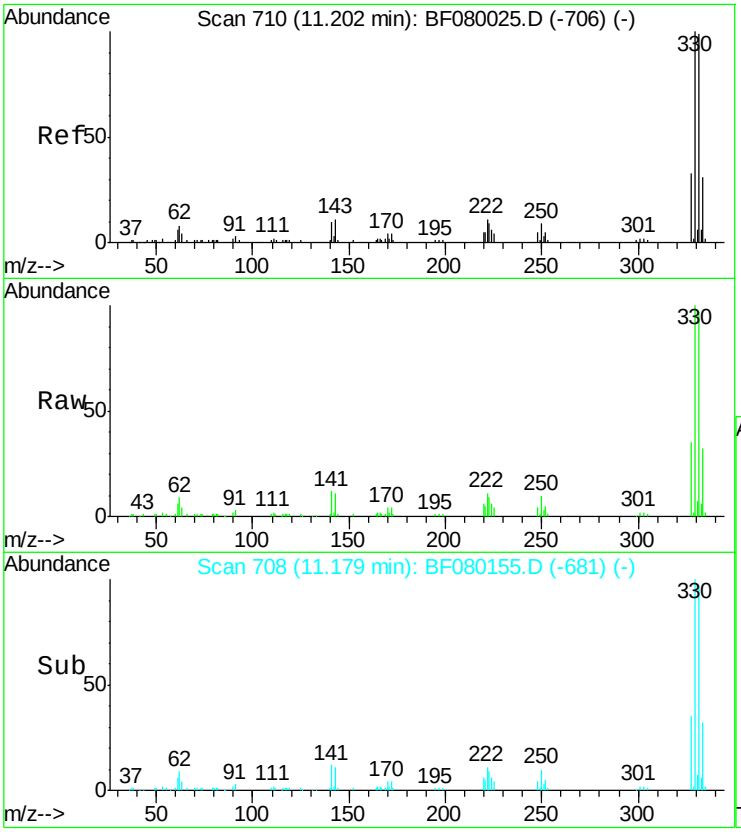




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 638
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:164 Resp: 72630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 75.2 | 112.8 |
| 160 | 43.6 | 31.5 | 47.3 |



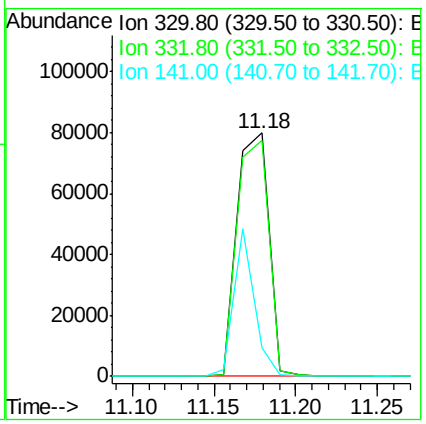


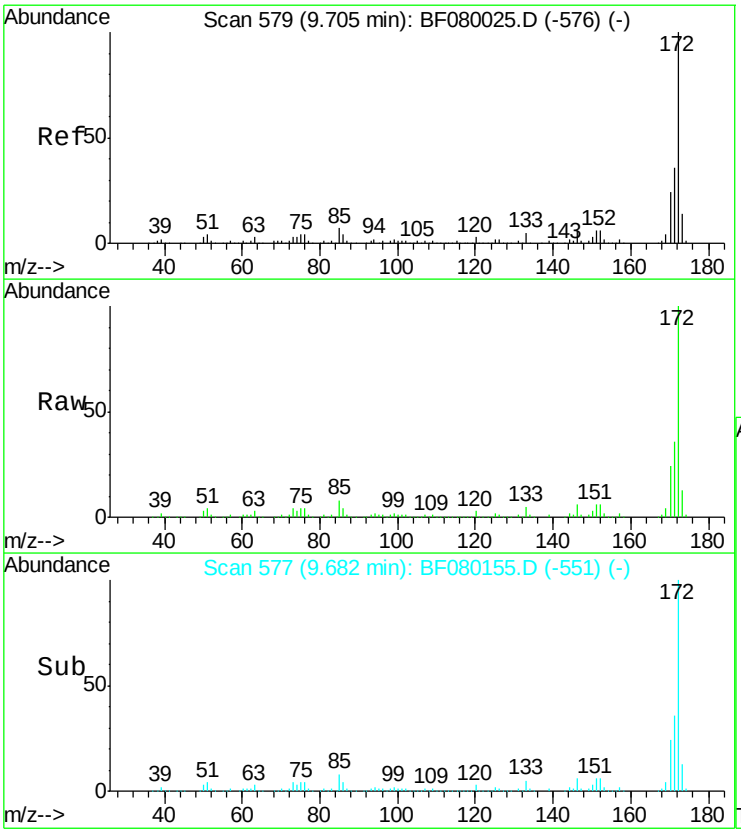

#41
2,4,6-Tribromophenol
Concen: 151.23 ng
RT: 11.18 min Scan# 708
Delta R.T. 0.01 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:330 Resp: 107402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 76.6 | 114.8 |
| 141 | 38.5 | 29.7 | 44.5 |

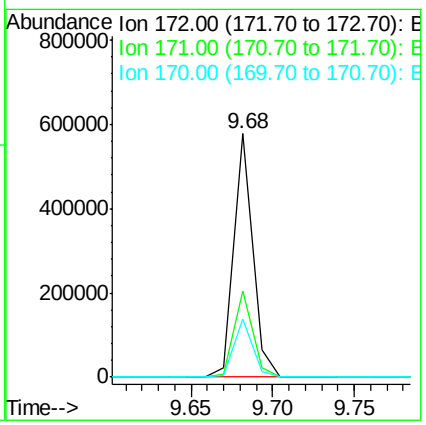


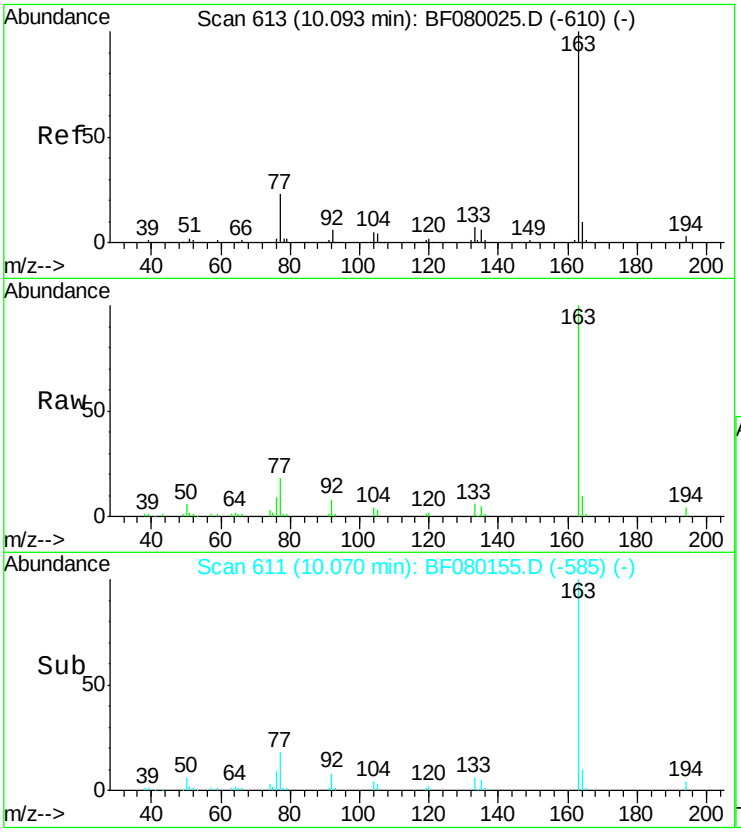




#44
2-Fluorobiphenyl
Concen: 89.76 ng
RT: 9.68 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:172 Resp: 457137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 26.1 | 39.1 |
| 170 | 24.1 | 17.4 | 26.2 |



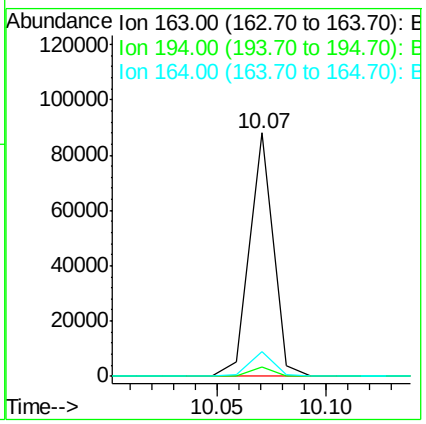


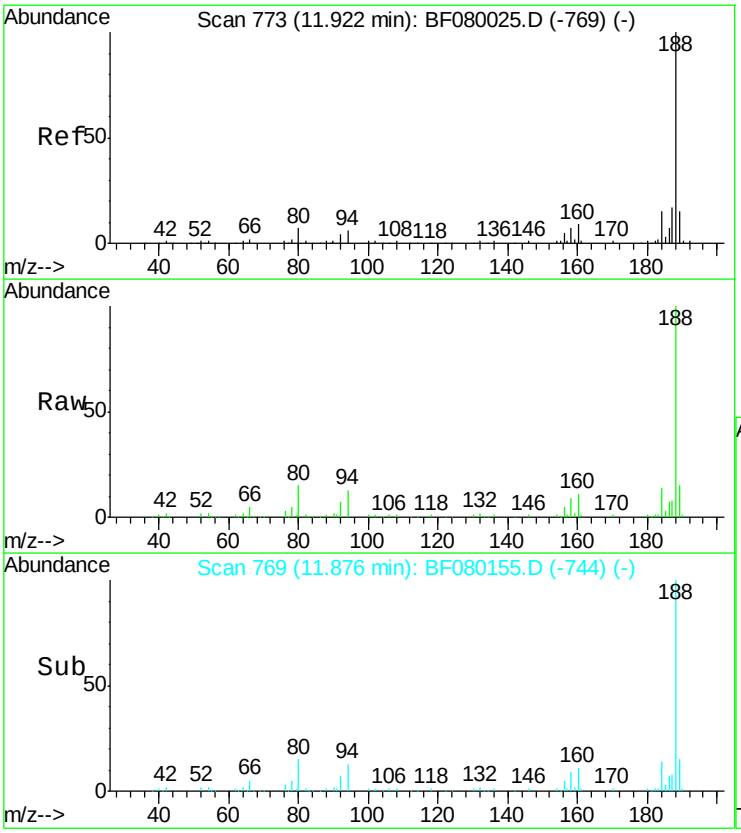

#49
Dimethylphthalate
Concen: 12.23 ng
RT: 10.07 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:163 Resp: 66800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 4.4 | 6.6# |
| 164 | 10.0 | 8.3 | 12.5 |

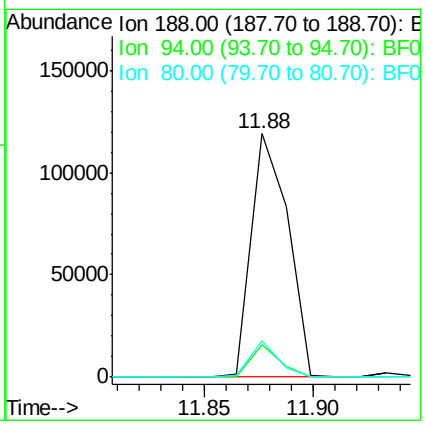


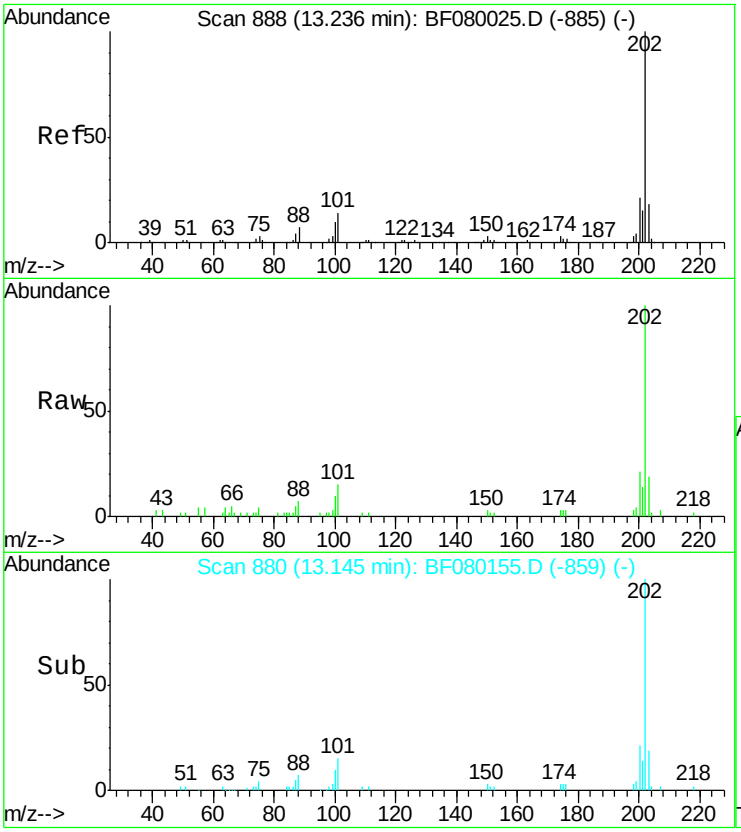




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.88 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:188 Resp: 140300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.3 | 11.1 | 16.7 |
| 80 | 15.0 | 11.0 | 16.4 |



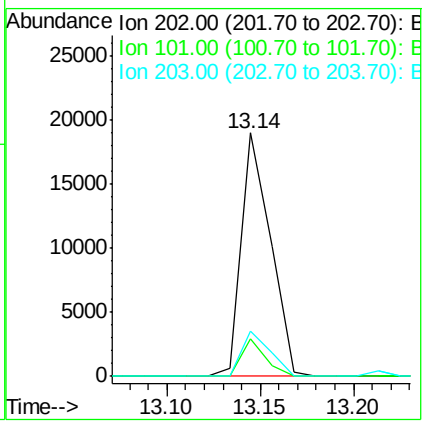


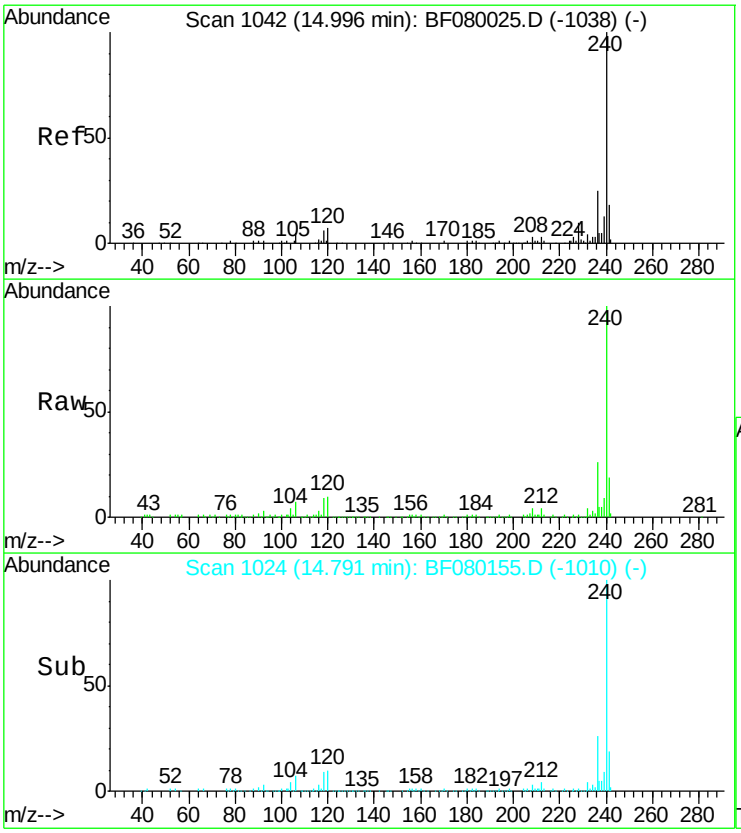

#74
Fluoranthene
Concen: 2.28 ng
RT: 13.14 min Scan# 880
Delta R.T. -0.06 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:202 Resp: 20589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.3 | 0.0 | 38.3 |
| 203 | 18.5 | 0.0 | 37.3 |

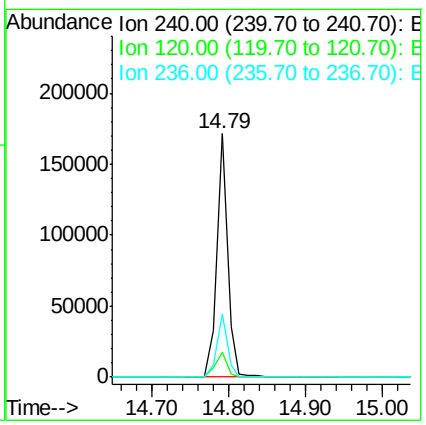


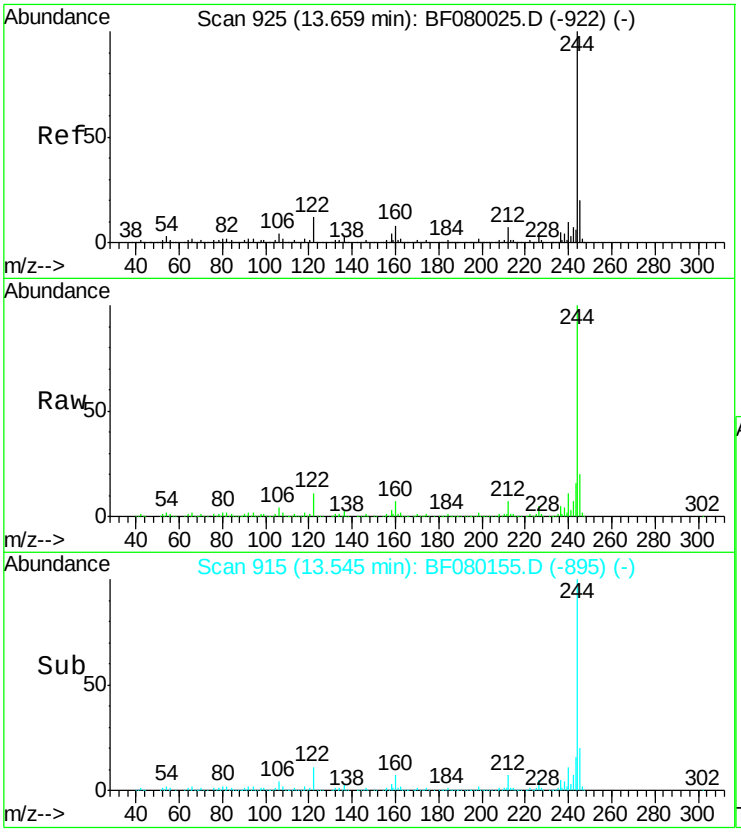




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.79 min Scan# 1024
Delta R.T. -0.14 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:240 Resp: 169052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 16.2 | 24.2# |
| 236 | 26.1 | 18.4 | 27.6 |



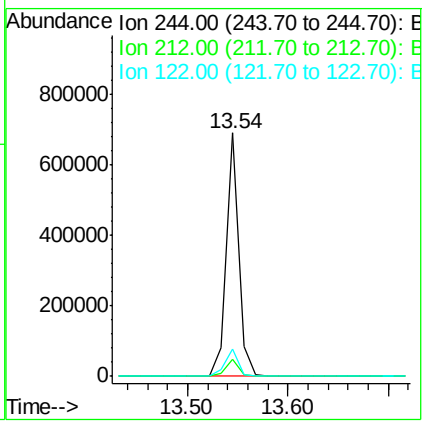


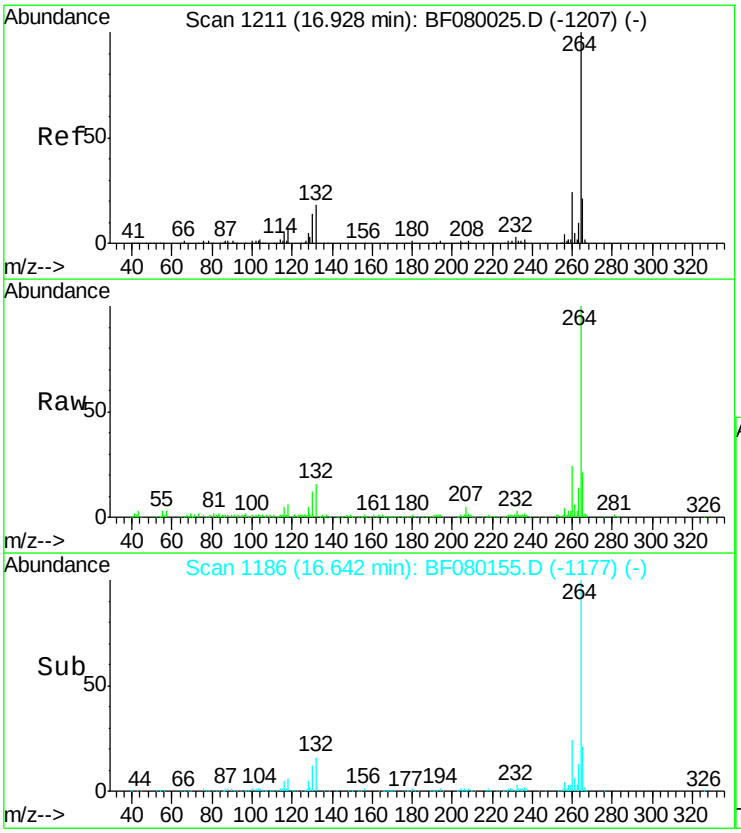

#78
Terphenyl-d14
Concen: 82.16 ng
RT: 13.54 min Scan# 915
Delta R.T. -0.07 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:244 Resp: 594732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 4.3 | 6.5# |
| 122 | 11.4 | 17.4 | 26.2# |

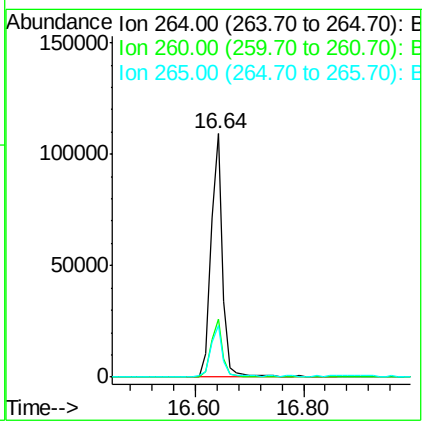


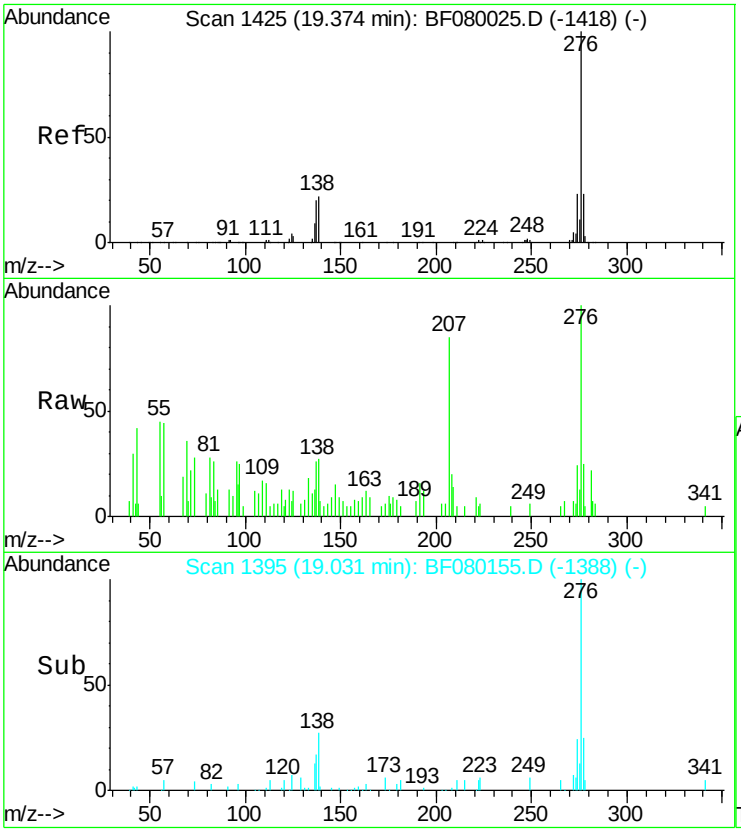




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.64 min Scan# 1186
Delta R.T. -0.19 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

Tgt Ion:264 Resp: 163827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 16.7 | 25.1 |
| 265 | 21.1 | 17.2 | 25.8 |






#91
Benzo(g,h,i)perylene
Concen: 2.21 ng
RT: 19.03 min Scan# 1395
Delta R.T. -0.22 min
Lab File: BF080155.D
Acq: 25 Jun 2015 4:33

**Instrument :**
BNA_F
**ClientSampleId :**
CF-2

Tgt Ion:276 Resp: 21528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.3 | 17.8 | 26.6 |
| 138 | 26.8 | 34.6 | 51.8# |