Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100718.D
Acq On : 18 Nov 2017 13:04
Operator : SJ/JU
Sample : I6304-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-01-111617-E

Quant Time: Nov 20 04:13:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 100038 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 387756 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 165311 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 276410 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.04 | 240 | 213621 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.52 | 264 | 185242 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 639156 | 102.42 | ng | 0.02 |
| 7) Phenol-d6 | 6.51 | 99 | 679569 | 88.31 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 567106 | 96.69 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 205855 | 122.20 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.24 | 172 | 1083324 | 99.79 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 858789 | 92.37 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

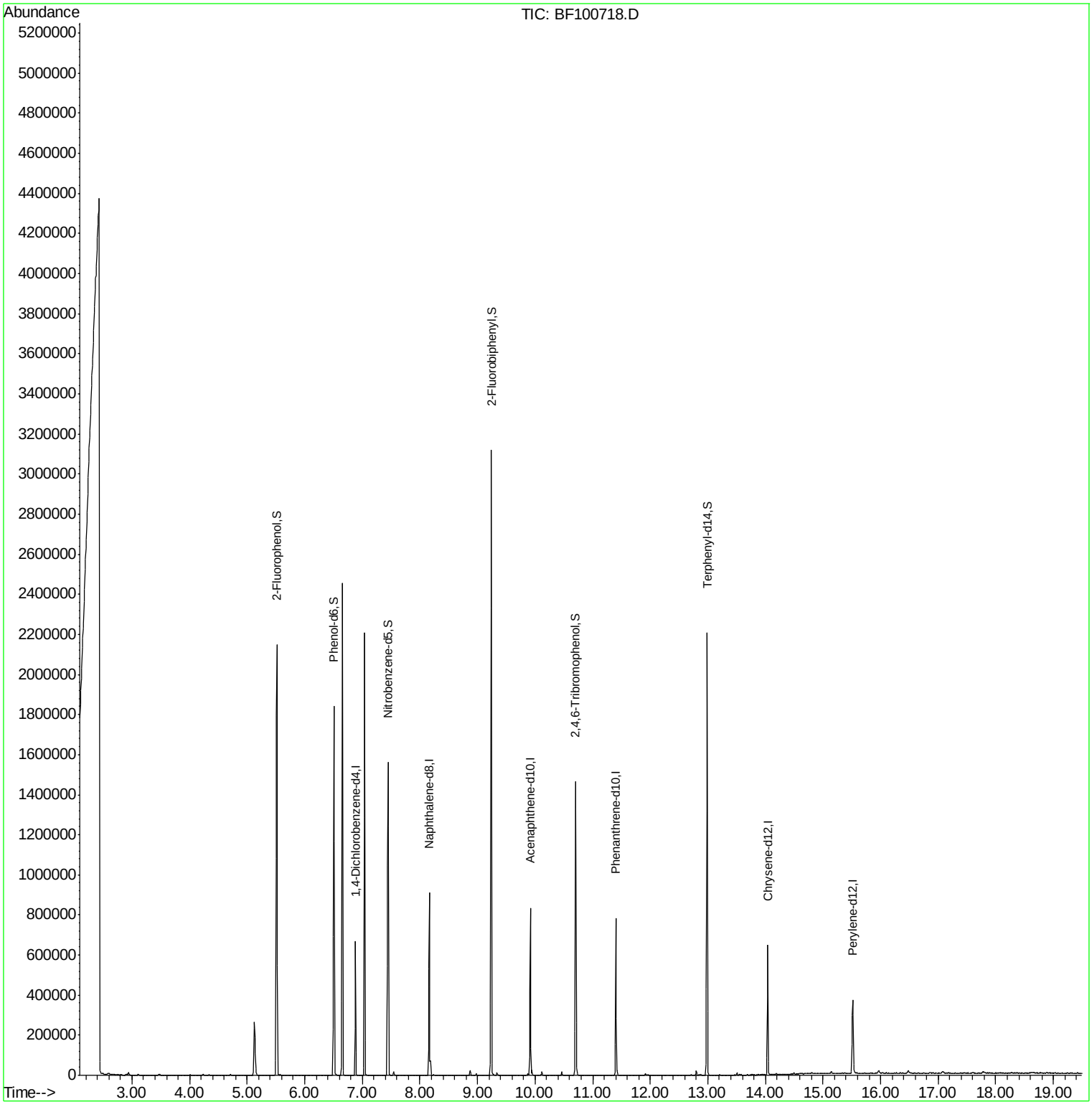
(#) = qualifier out of range (m) = manual integration (+) = signals summed

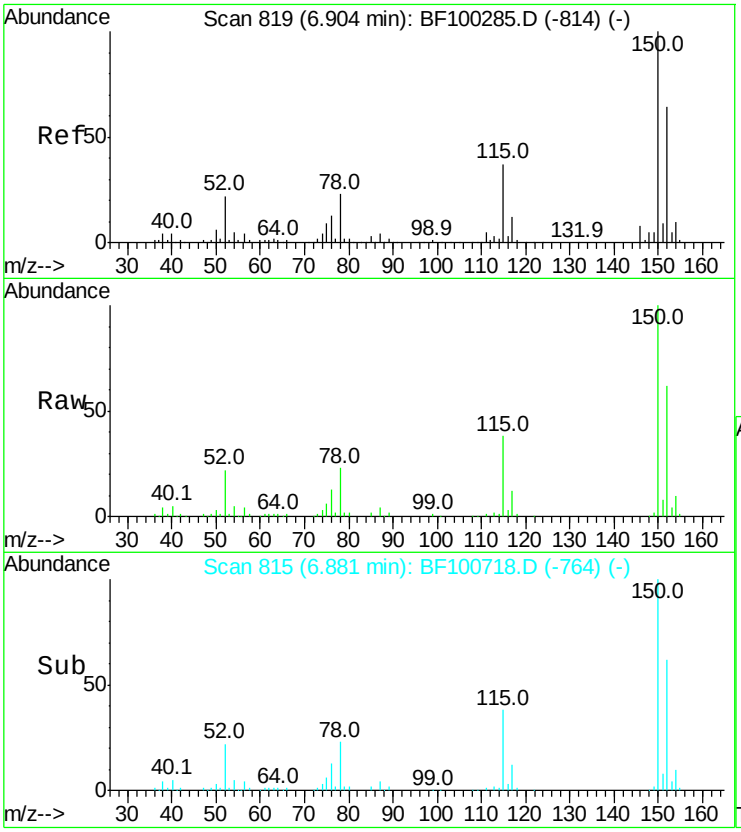
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100718.D
Acq On : 18 Nov 2017 13:04
Operator : SJ/JU
Sample : I6304-21
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Quant Time: Nov 20 04:13:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration



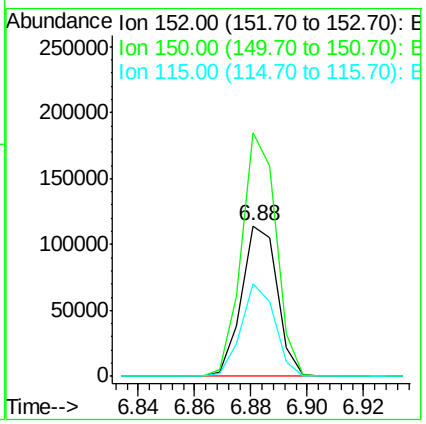


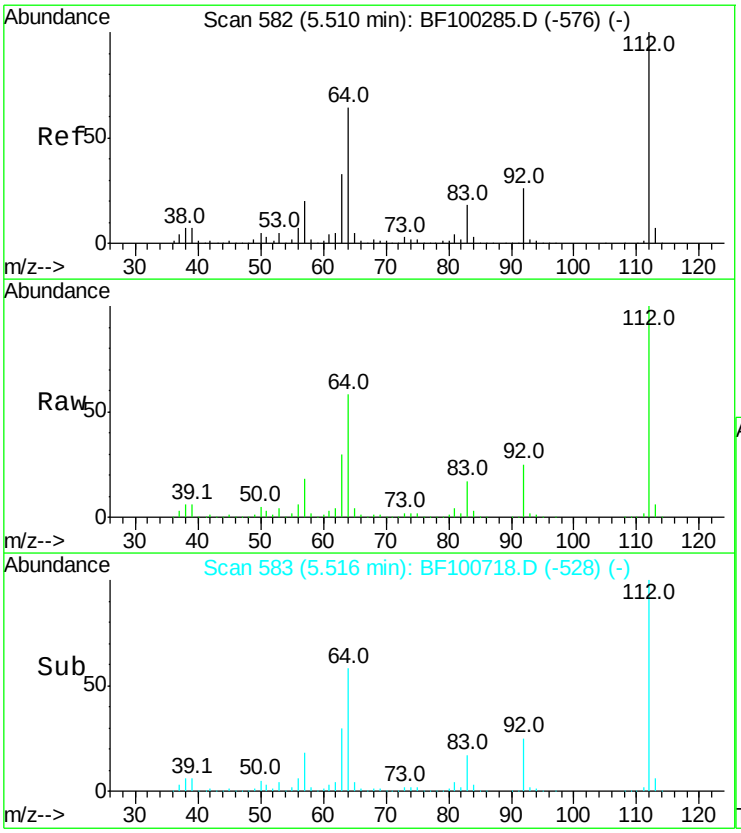

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion:152 Resp: 100038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.9 | 124.6 | 186.8 |
| 115 | 61.3 | 50.1 | 75.1 |

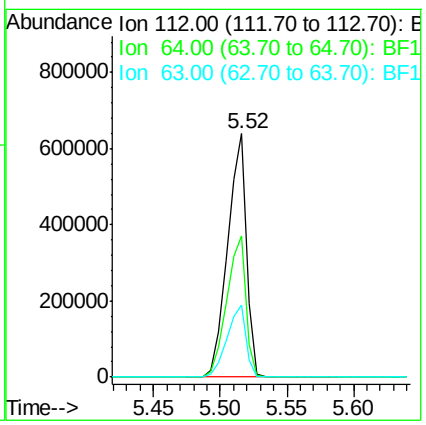


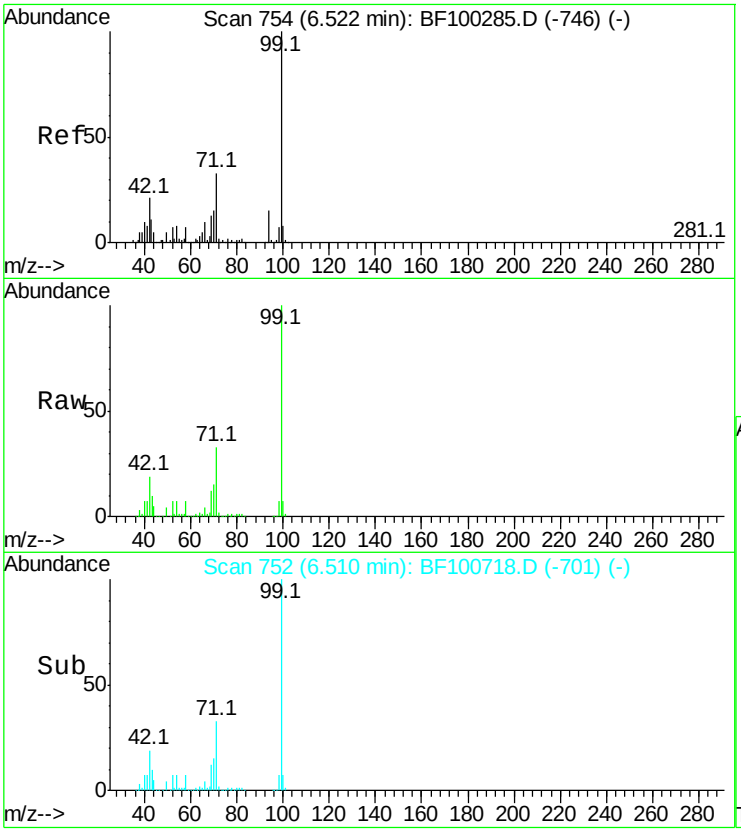




#5
2-Fluorophenol
Concen: 102.417 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:112 Resp: 639156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 47.9 | 71.9 |
| 63 | 29.6 | 23.7 | 35.5 |



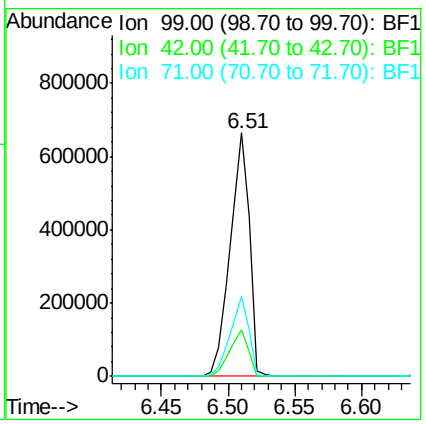


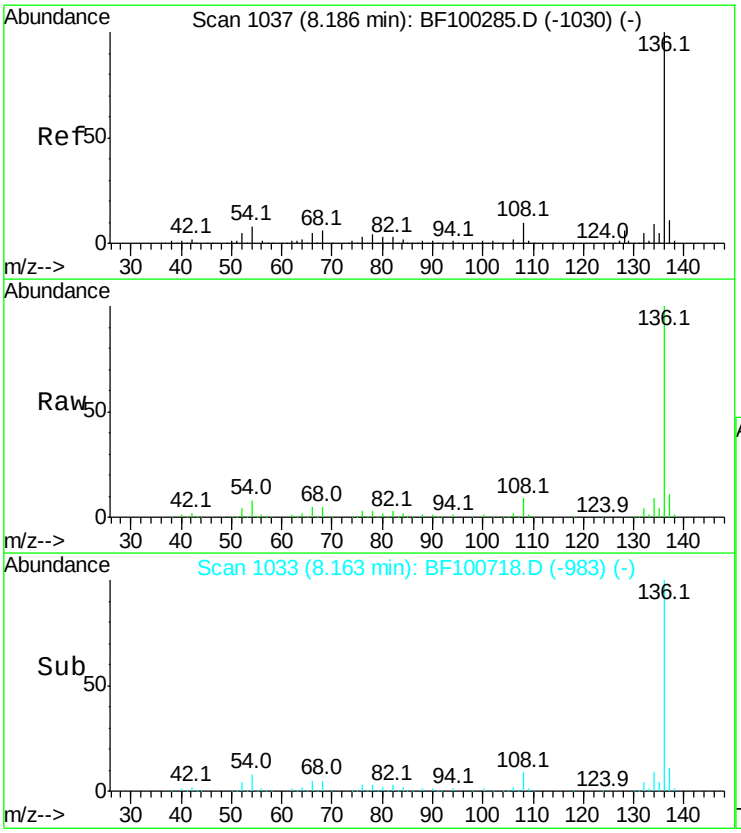

#7
Phenol-d6
Concen: 88.306 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion: 99 Resp: 679569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 14.5 | 21.7 |
| 71 | 32.6 | 25.4 | 38.0 |

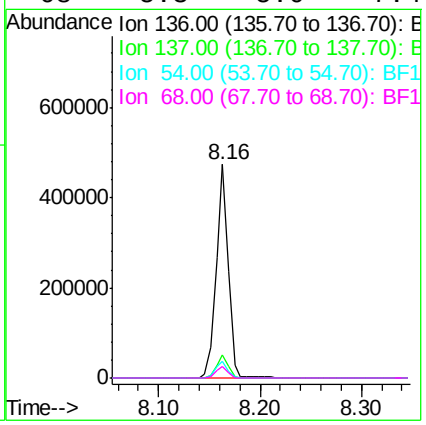


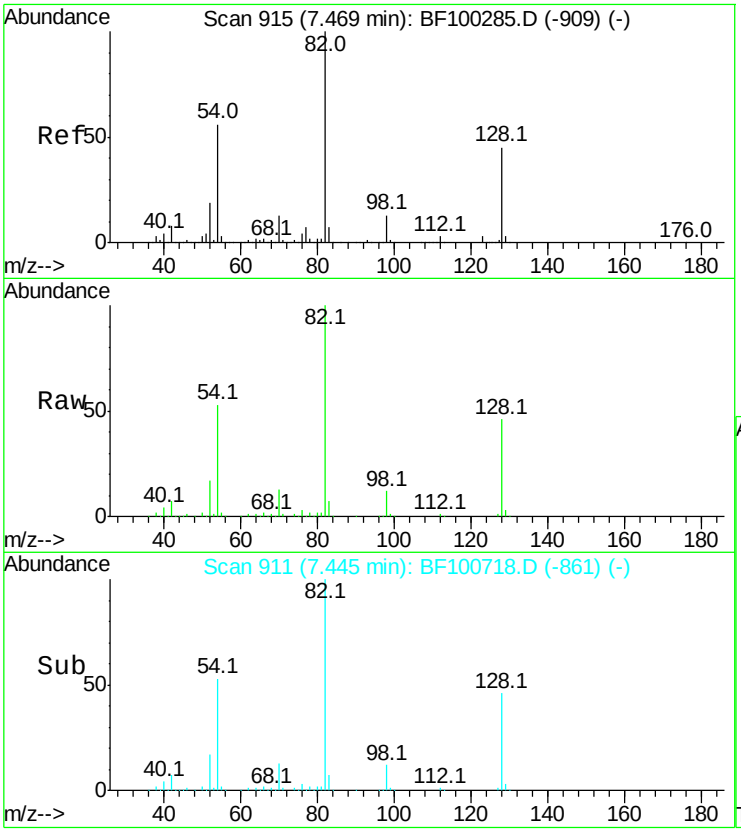




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:136 Resp: 387756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 5.3 | 5.0 | 7.4 |



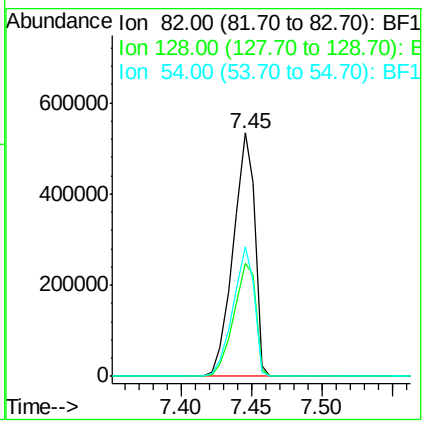


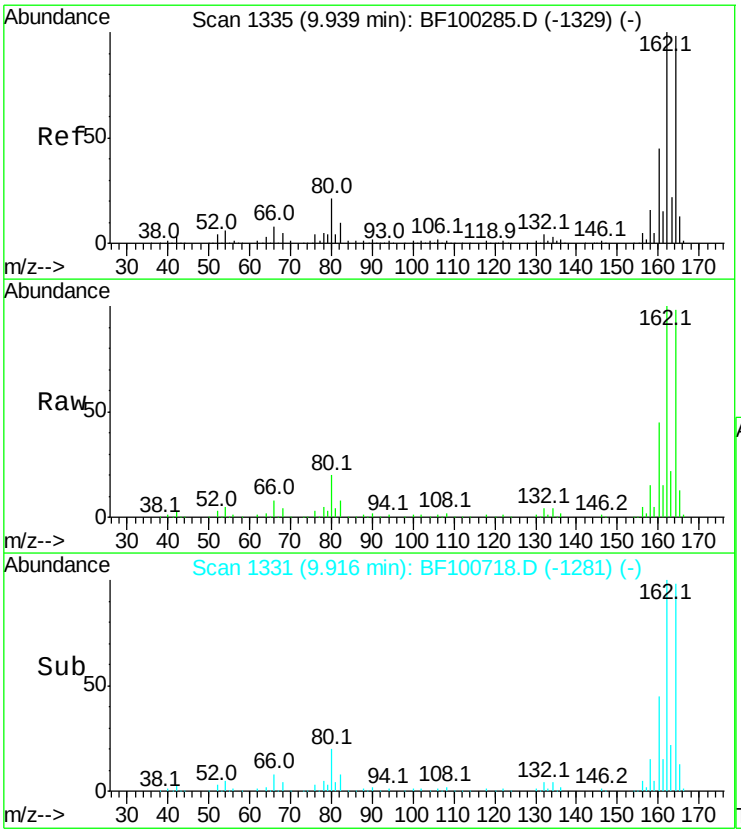

#23
Nitrobenzene-d5
Concen: 96.693 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion: 82 Resp: 567106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 36.1 | 54.1 |
| 54 | 53.1 | 41.4 | 62.2 |

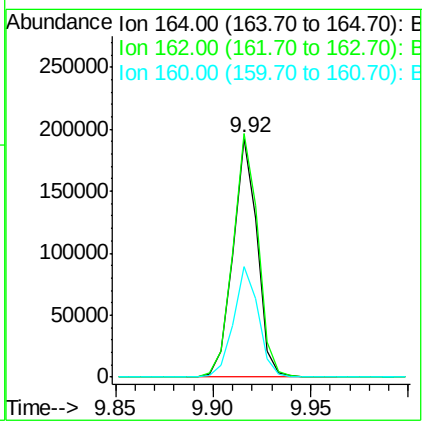


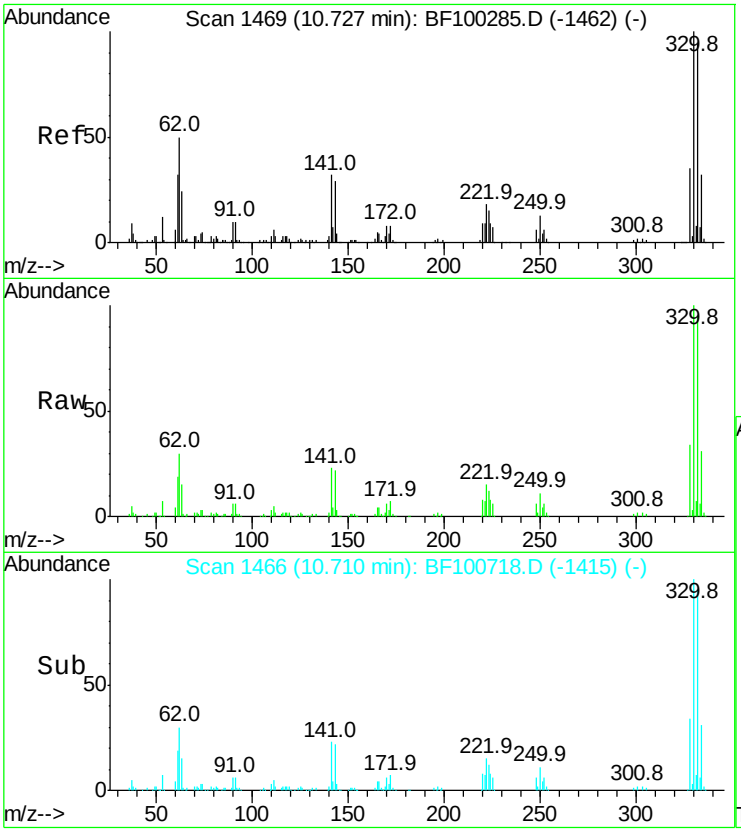




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:164 Resp: 165311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 86.1 | 129.1 |
| 160 | 46.2 | 38.3 | 57.5 |



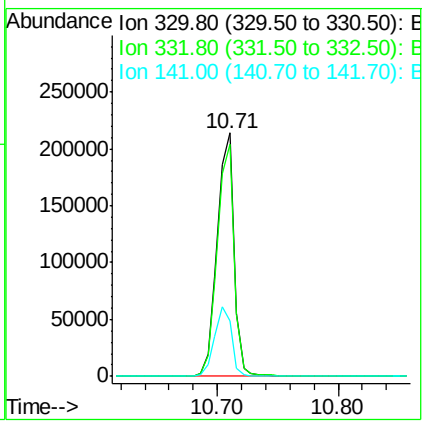


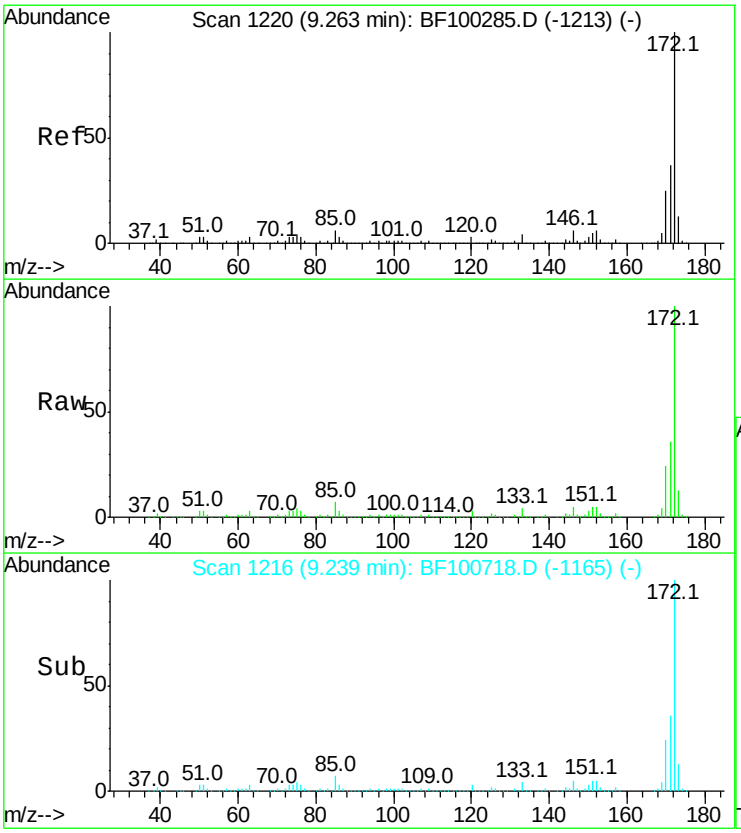

#41
2,4,6-Tribromophenol
Concen: 122.204 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion:330 Resp: 205855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 77.0 | 115.6 |
| 141 | 28.8 | 29.9 | 44.9# |

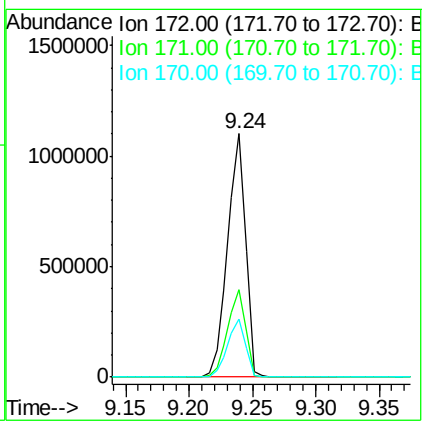


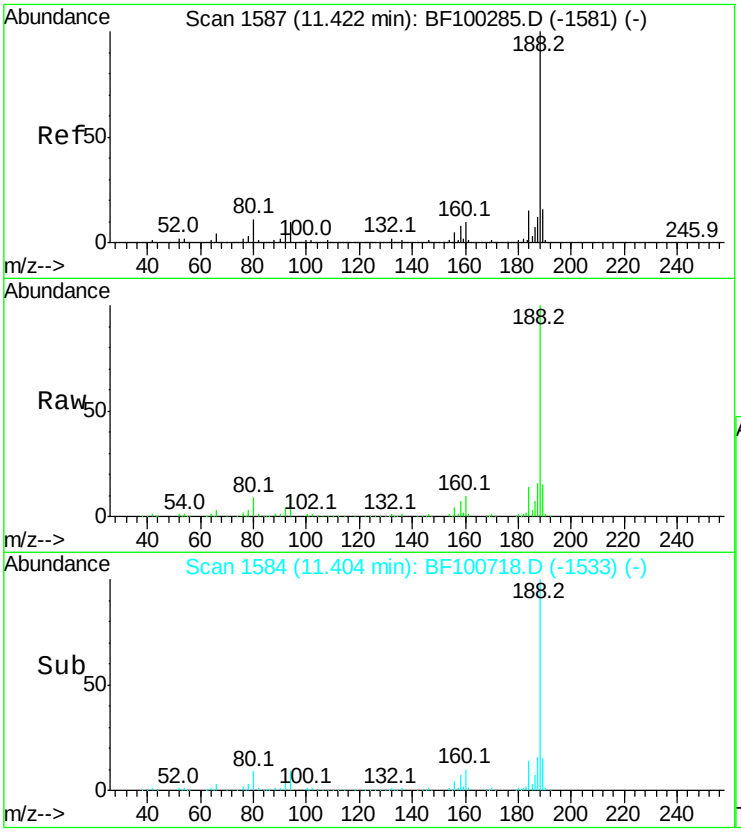




#44
2-Fluorobiphenyl
Concen: 99.787 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:172 Resp: 1083324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.7 | 44.5 |
| 170 | 24.0 | 19.6 | 29.4 |



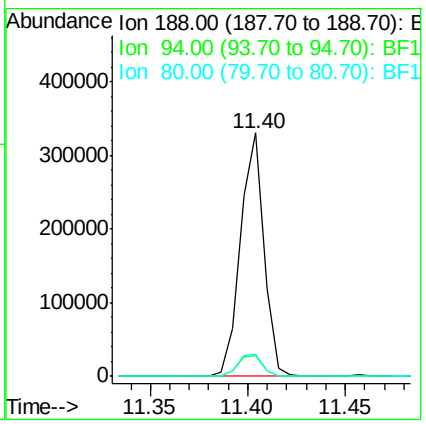


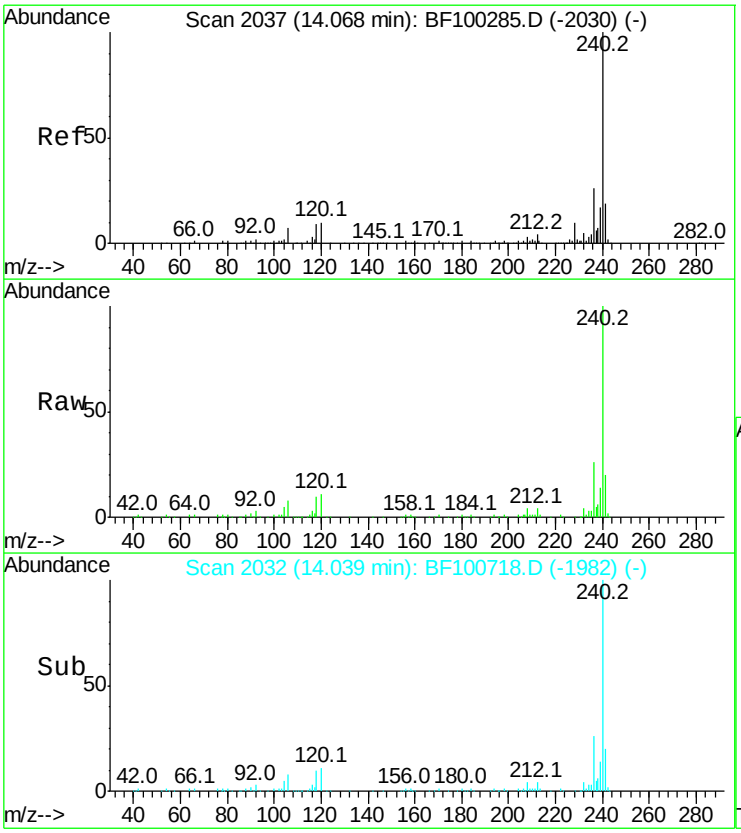

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion:188 Resp: 276410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 8.5 | 12.7 |
| 80 | 9.0 | 9.2 | 13.8# |

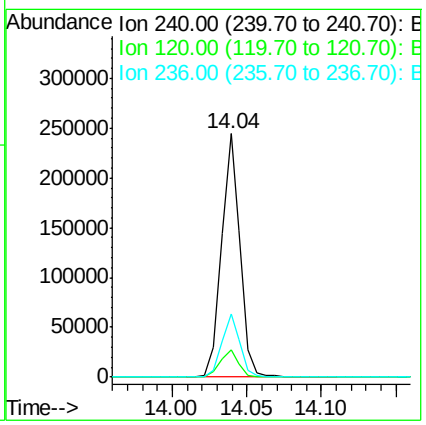


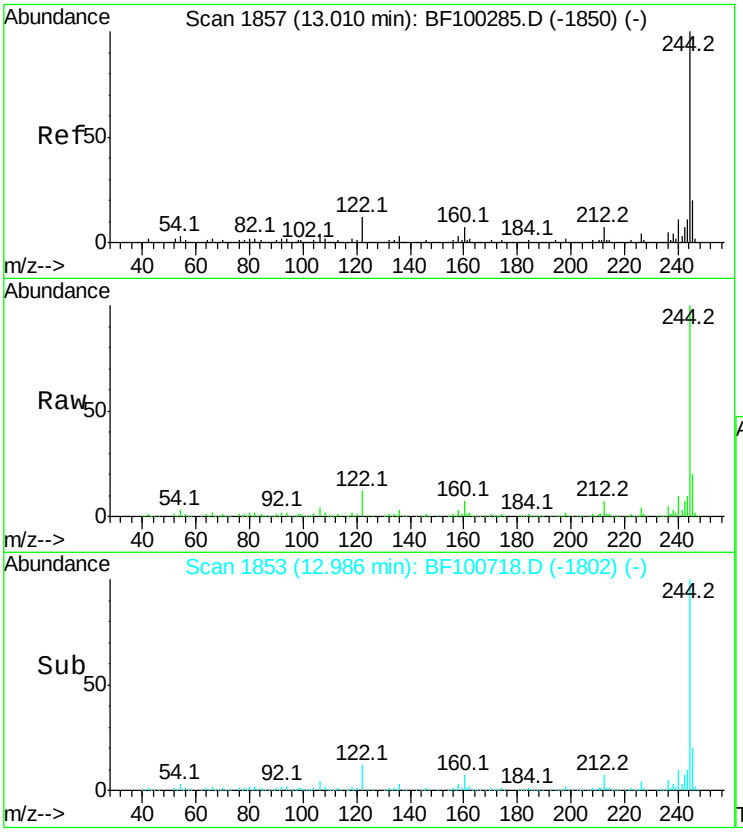




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:240 Resp: 213621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.5 | 14.3 |
| 236 | 25.9 | 20.7 | 31.1 |



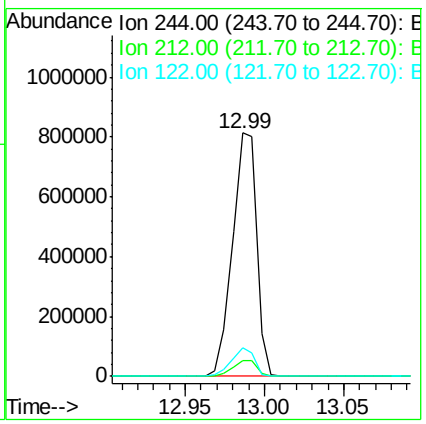


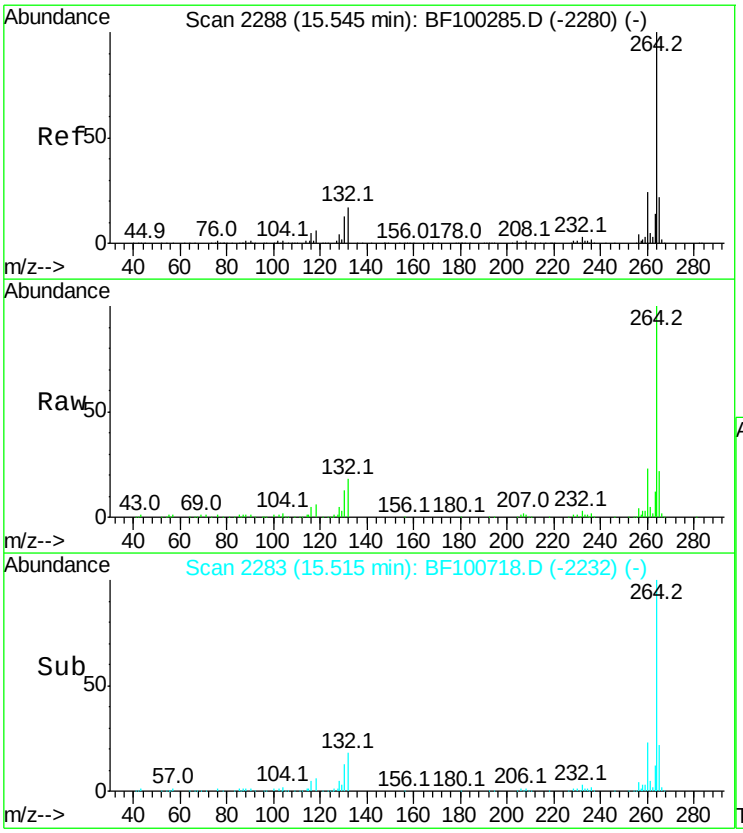

#78
Terphenyl-d14
Concen: 92.371 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
CL-01-111617-E

Tgt Ion:244 Resp: 858789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 11.9 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF100718.D
Acq: 18 Nov 2017 13:04

Tgt Ion:264 Resp: 185242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 19.2 | 28.8 |
| 265 | 21.6 | 17.5 | 26.3 |