Quantitation Report (QT Reviewed)

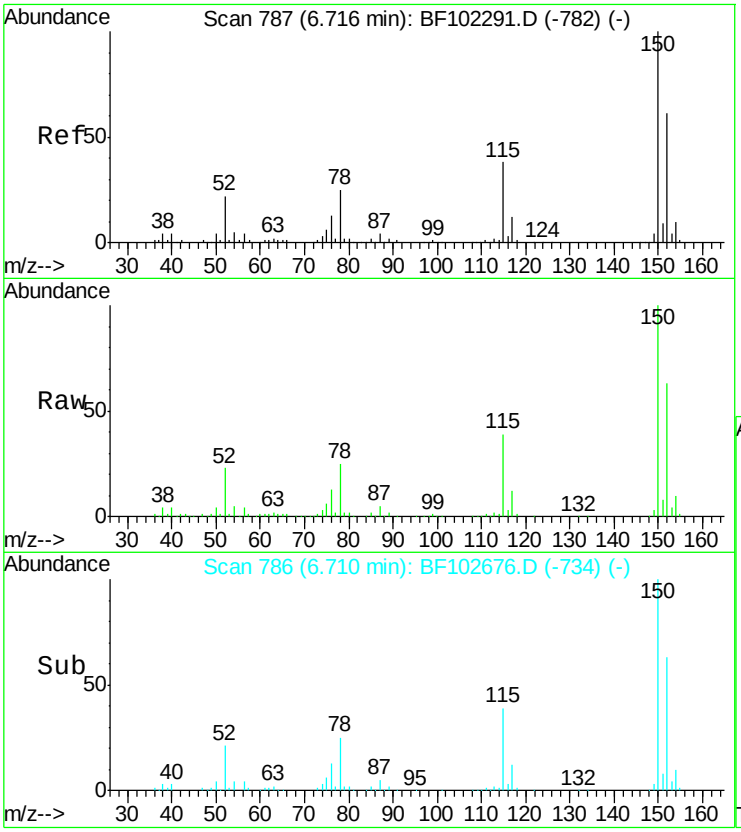
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102676.D
Acq On : 1 Feb 2018 1:02
Operator : SJ/JU
Sample : J1010-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BU-02-013018

Quant Time: Feb 01 03:41:18 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 18:38:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.71 | 152 | 125350 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 461722 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.75 | 164 | 174070 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 297185 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 275923 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 186009 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 903936 | 109.34 | ng | 0.04 |
| 7) Phenol-d6 | 6.38 | 99 | 936914 | 94.00 | ng | 0.02 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 684934 | 85.25 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 186337 | 108.04 | ng | 0.01 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 1102518 | 93.13 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.82 | 244 | 1036009 | 84.64 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

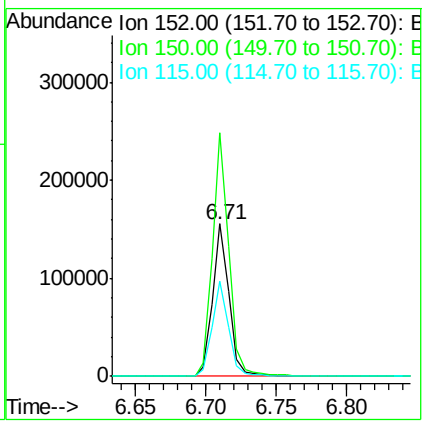


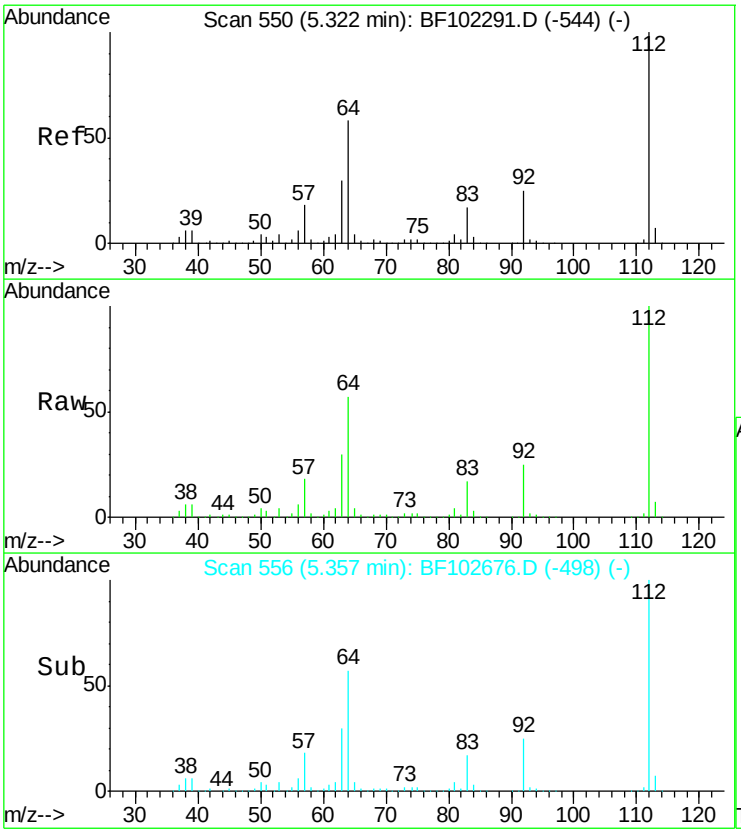

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion:152 Resp: 125350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.7 | 124.6 | 186.8 |
| 115 | 62.2 | 50.1 | 75.1 |

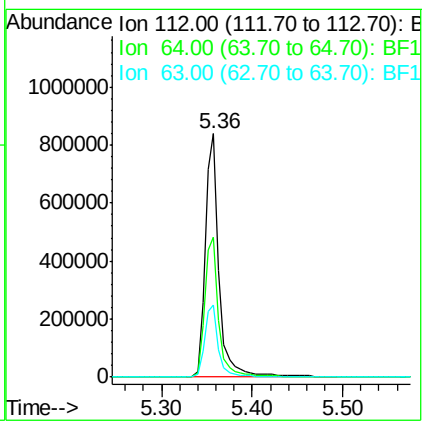


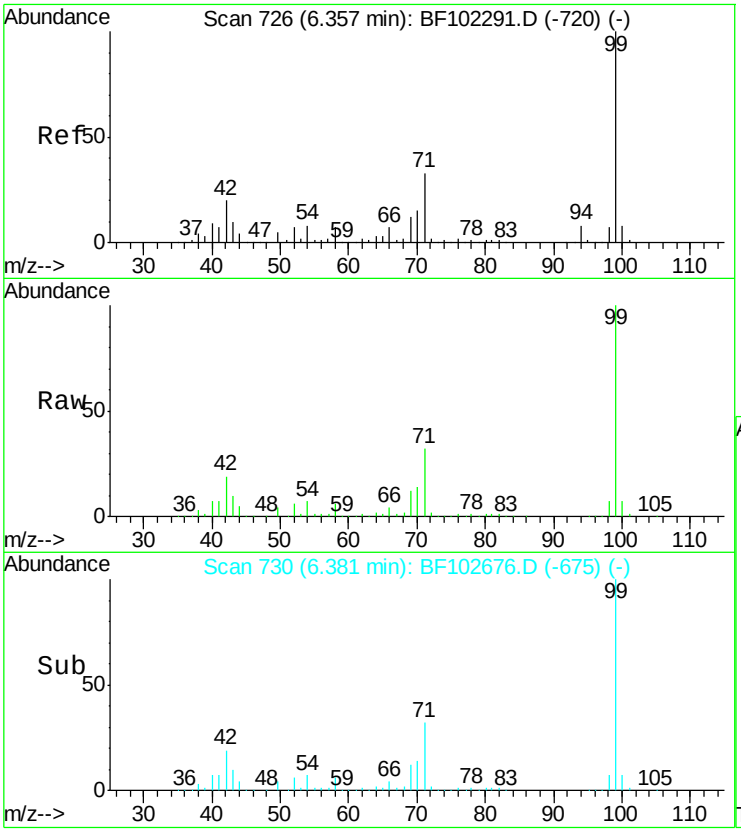




#5
2-Fluorophenol
Concen: 109.342 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.04 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:112 Resp: 903936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.3 | 47.9 | 71.9 |
| 63 | 29.8 | 23.7 | 35.5 |



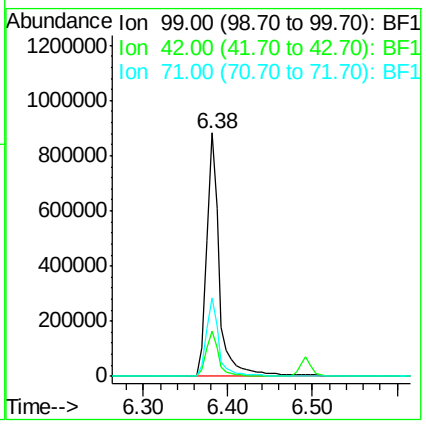


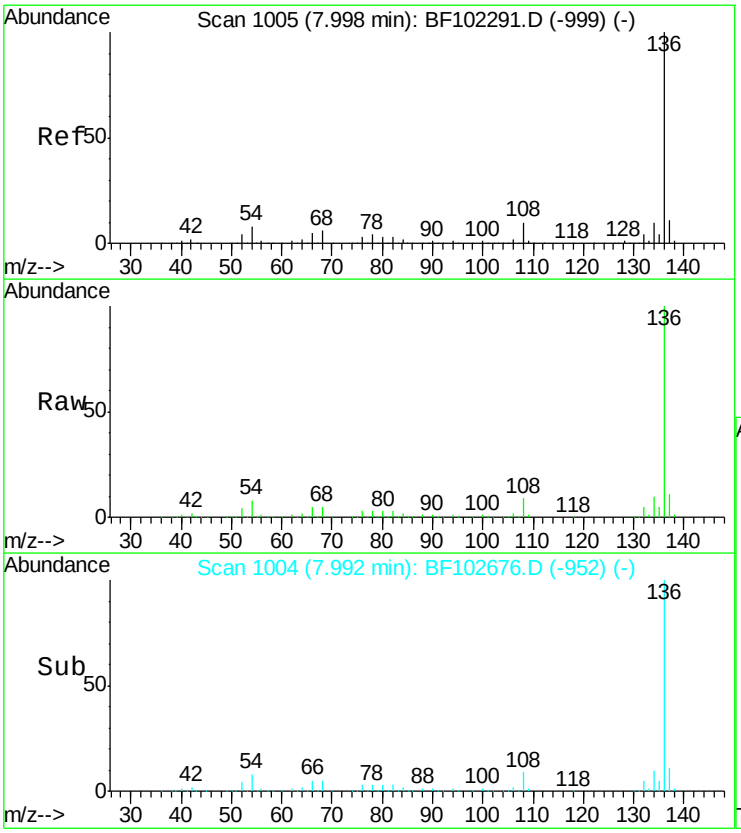

#7
Phenol-d6
Concen: 94.005 ng
RT: 6.38 min Scan# 730
Delta R.T. 0.02 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion: 99 Resp: 936914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 14.5 | 21.7 |
| 71 | 32.2 | 25.4 | 38.0 |

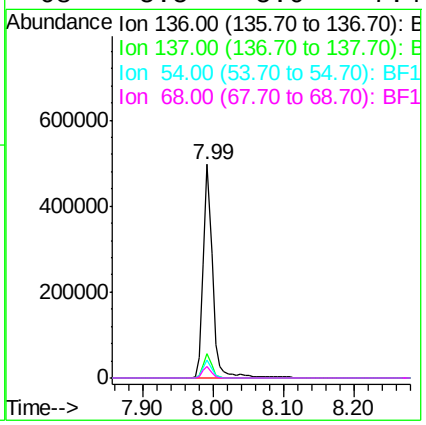


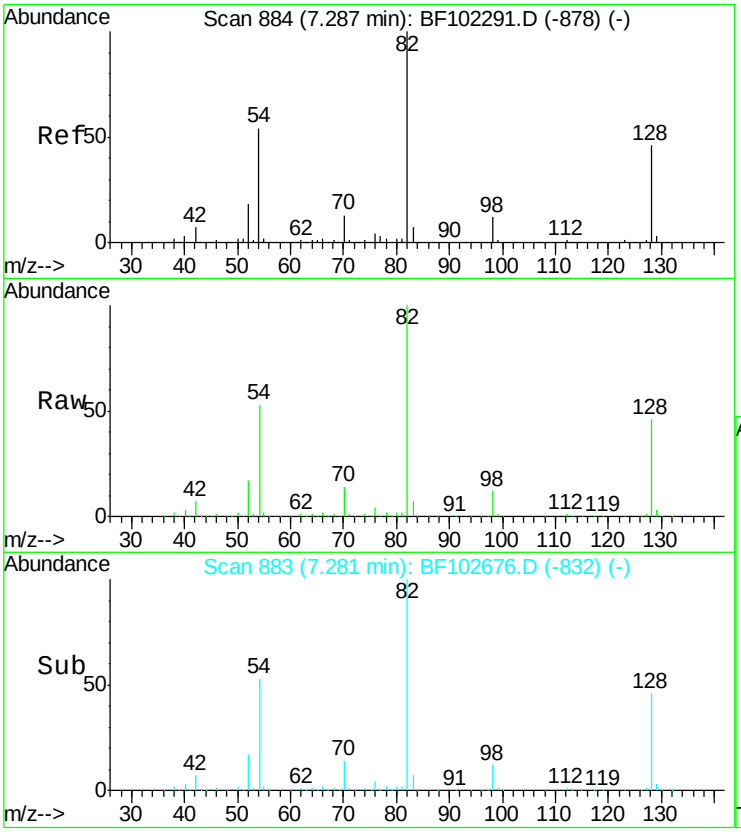




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:136 Resp: 461722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 8.2 | 6.6 | 9.8 |
| 68 | 5.5 | 5.0 | 7.4 |



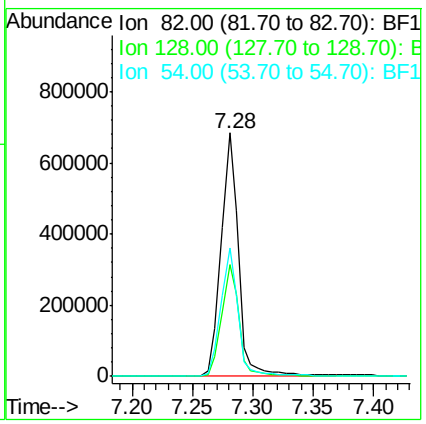


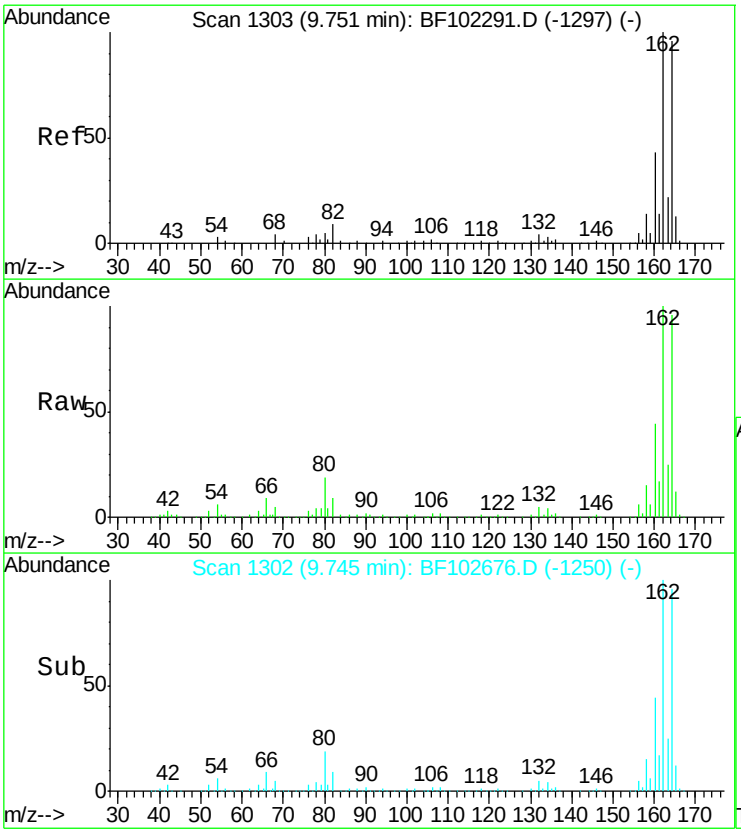

#23
Nitrobenzene-d5
Concen: 85.248 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion: 82 Resp: 684934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 36.1 | 54.1 |
| 54 | 52.5 | 41.4 | 62.2 |

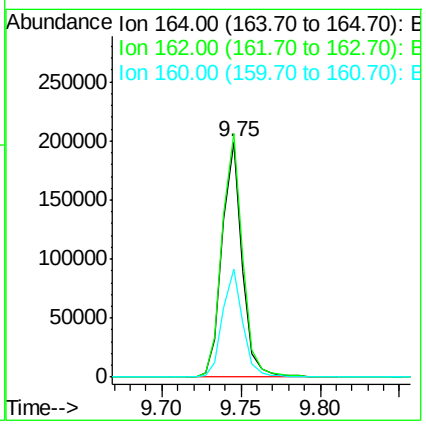


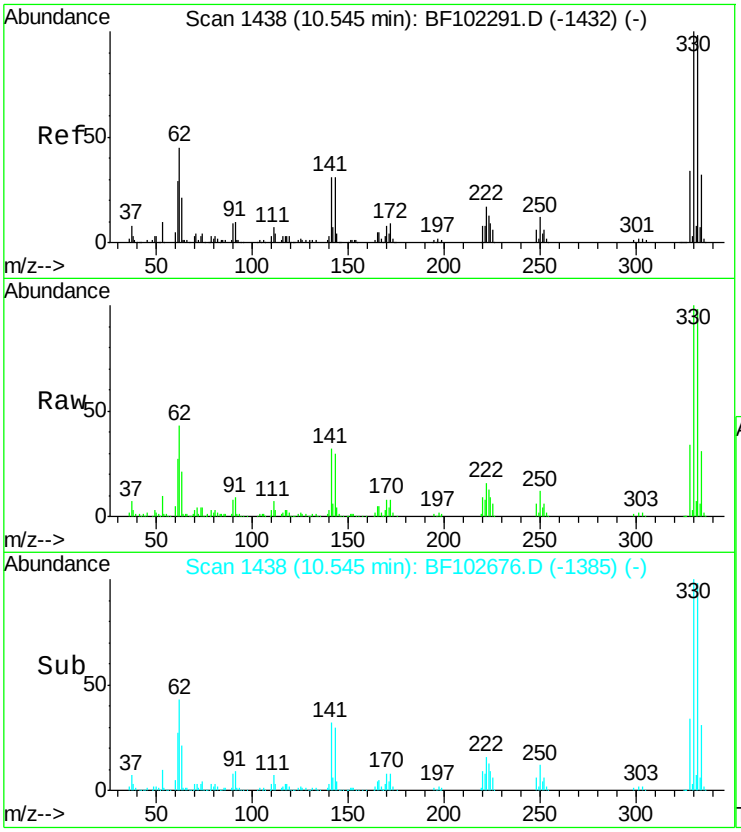




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:164 Resp: 174070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 86.1 | 129.1 |
| 160 | 46.0 | 38.3 | 57.5 |



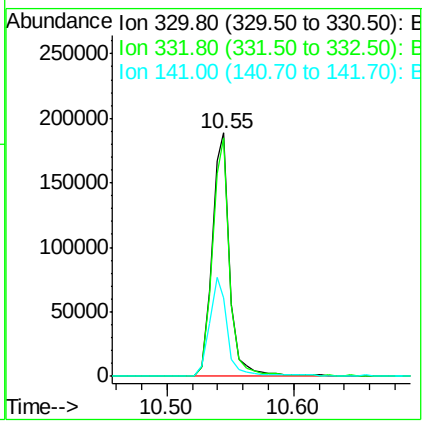


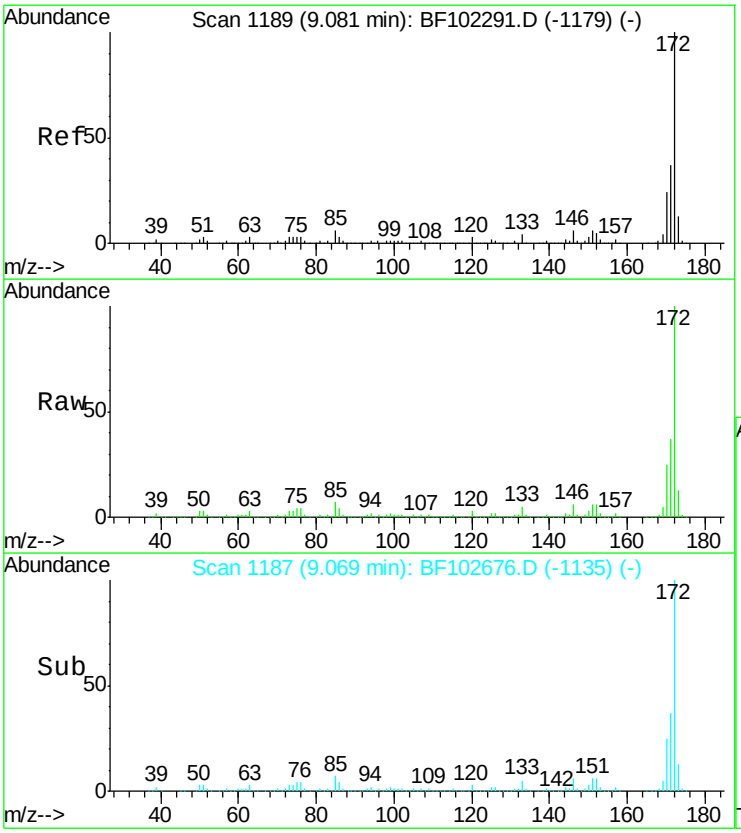

#41
2,4,6-Tribromophenol
Concen: 108.035 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion:330 Resp: 186337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.0 | 115.6 |
| 141 | 41.0 | 29.9 | 44.9 |

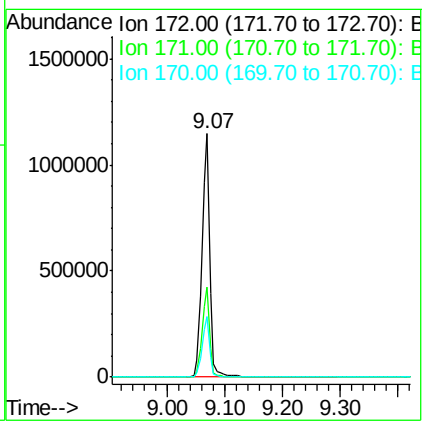


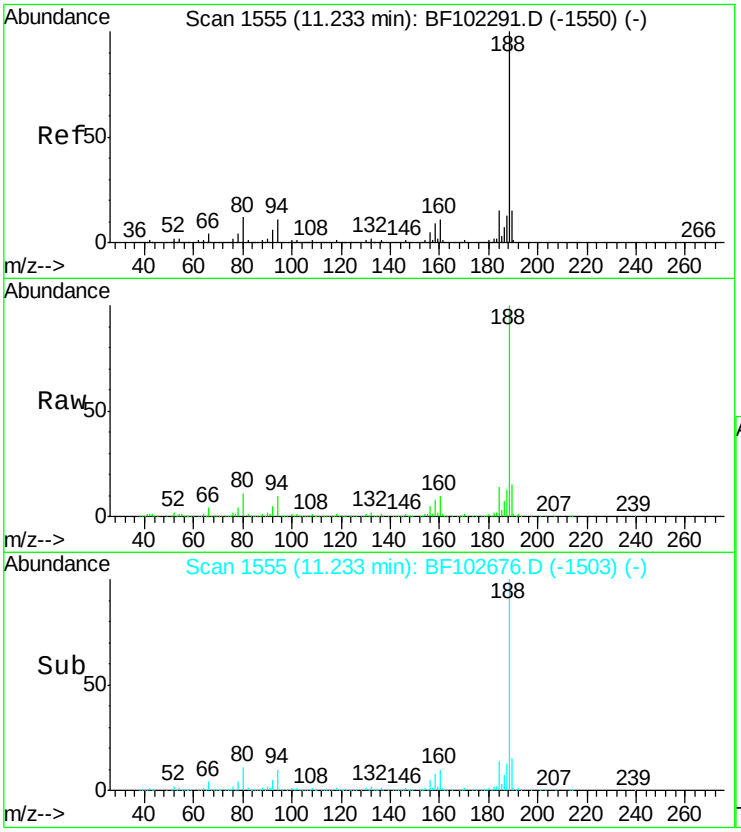




#44
2-Fluorobiphenyl
Concen: 93.129 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:172 Resp: 1102518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 29.7 | 44.5 |
| 170 | 24.7 | 19.6 | 29.4 |



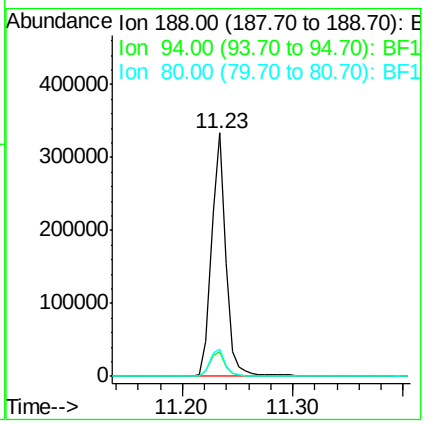


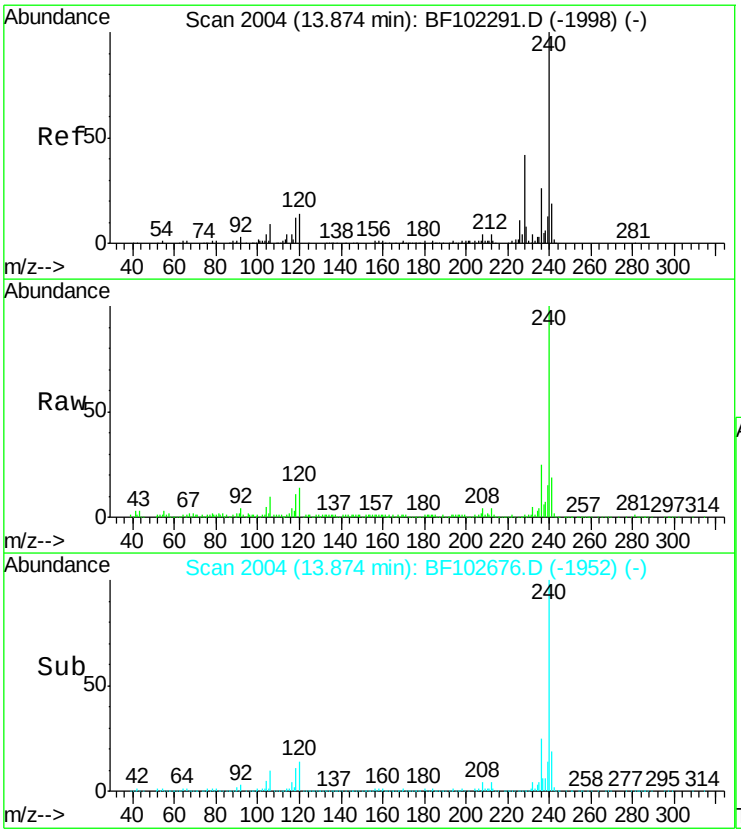

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion:188 Resp: 297185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.5 | 12.7 |
| 80 | 11.4 | 9.2 | 13.8 |

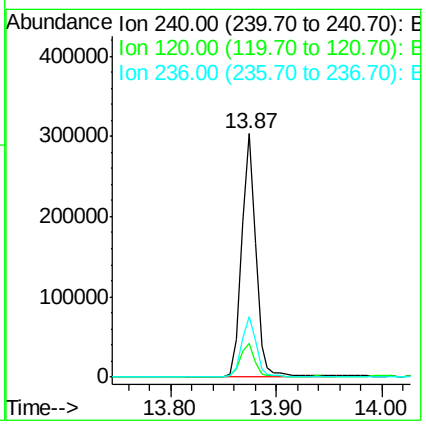


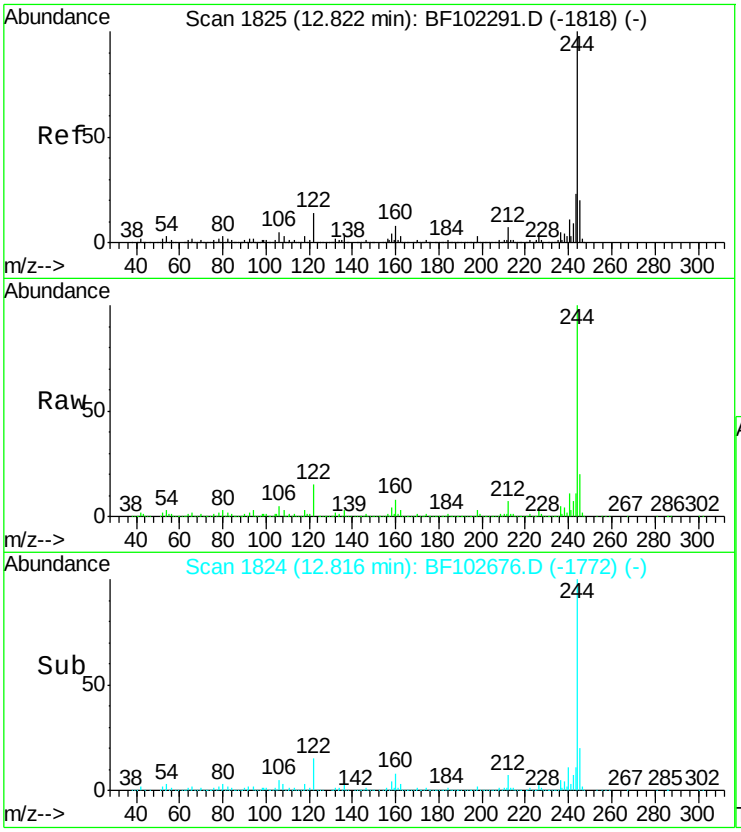




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:240 Resp: 275923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.9 | 9.5 | 14.3 |
| 236 | 24.8 | 20.7 | 31.1 |



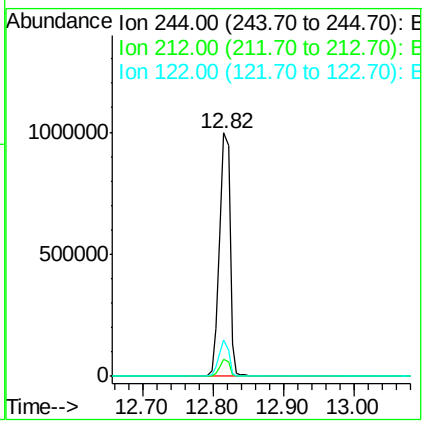


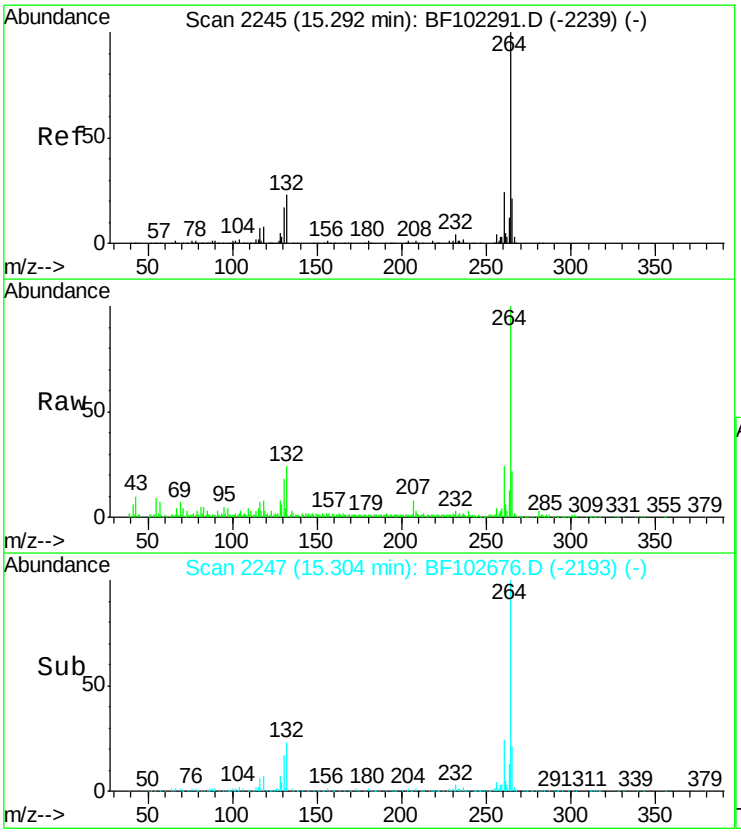

#78
Terphenyl-d14
Concen: 84.645 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

**Instrument :**
BNA_F
**ClientSampleId :**
BU-02-013018

Tgt Ion:244 Resp: 1036009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 14.8 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.02 min
Lab File: BF102676.D
Acq: 1 Feb 2018 1:02

Tgt Ion:264 Resp: 186009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 21.9 | 17.5 | 26.3 |