Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104437.D
Acq On : 11 Apr 2018 14:49
Operator : JU/SJ
Sample : J2310-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P004-S004-0001-01

Quant Time: Apr 12 10:24:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 11 13:19:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 129773 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 503423 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 202897 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 310426 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 263041 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 210821 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 404971 | 47.72 | ng | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 503420 | 48.28 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 285317 | 37.01 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 102582 | 48.74 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 550566 | 42.87 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 430202 | 37.29 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Acq On : 11 Apr 2018 14:49
Operator : JU/SJ
Sample : J2310-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Quant Time: Apr 12 10:24:11 2018
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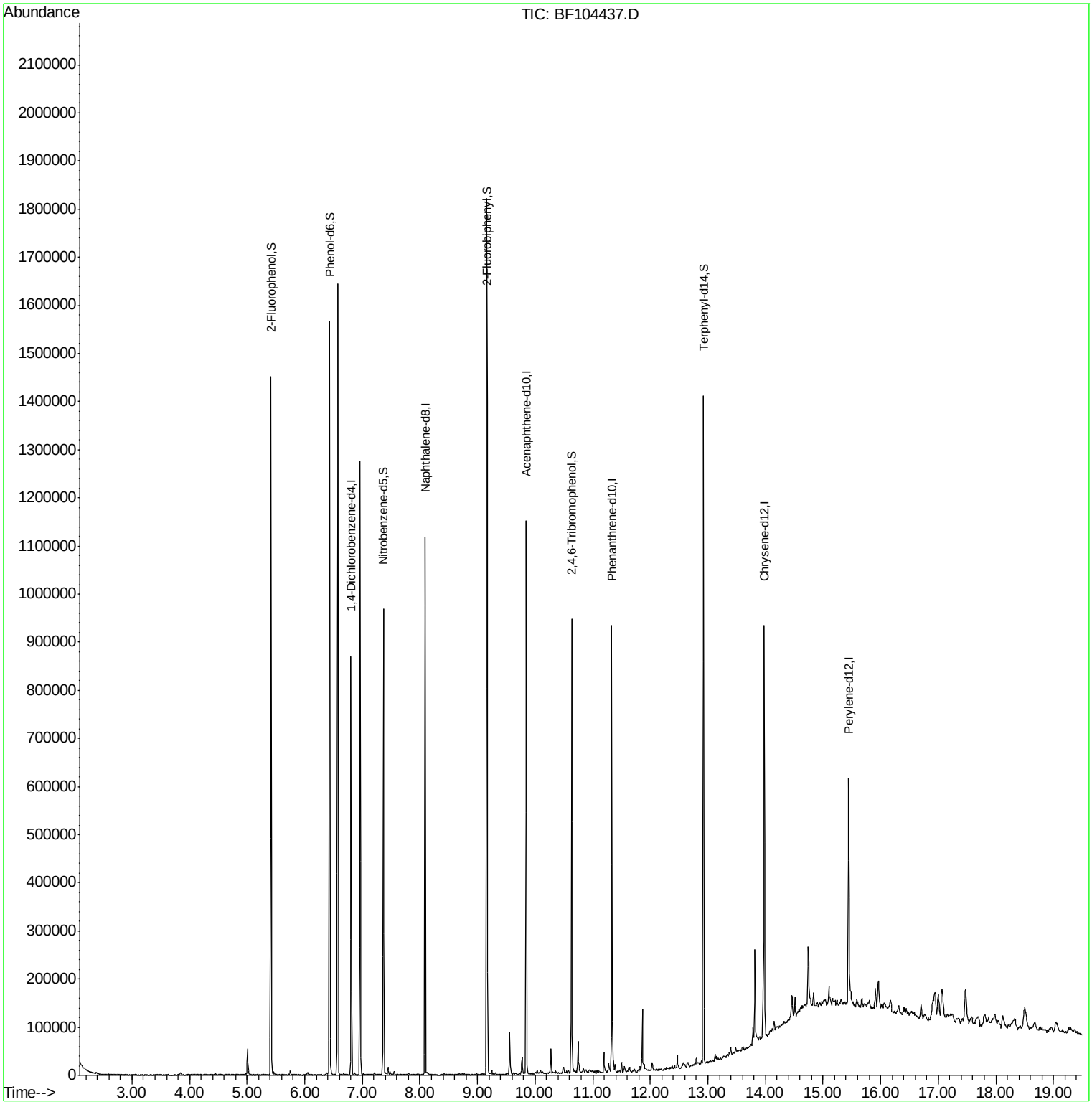
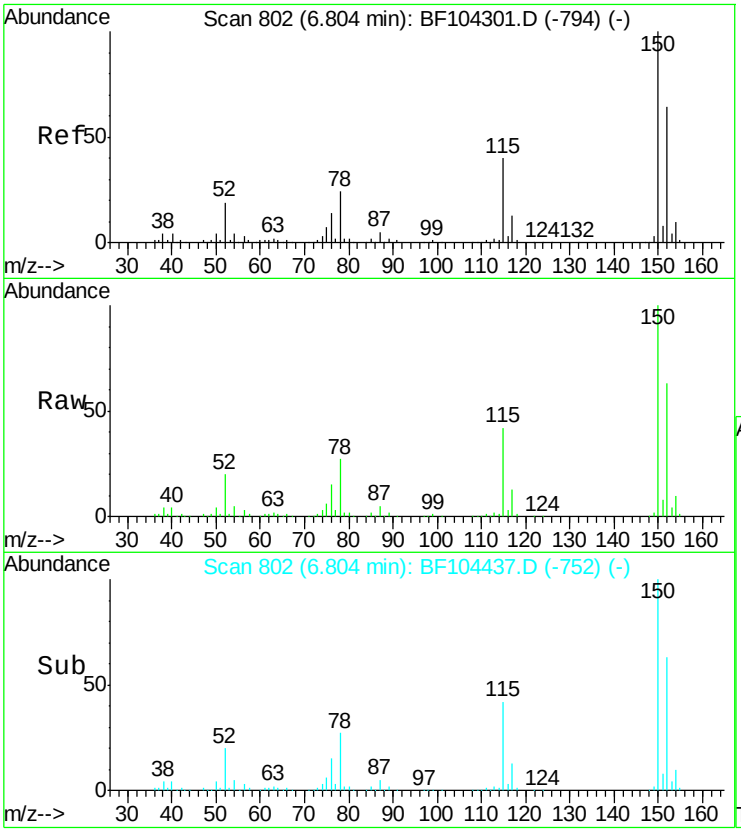


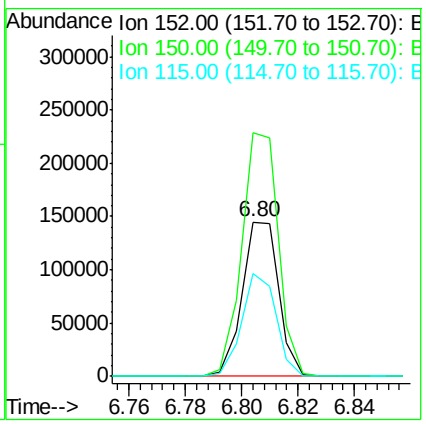


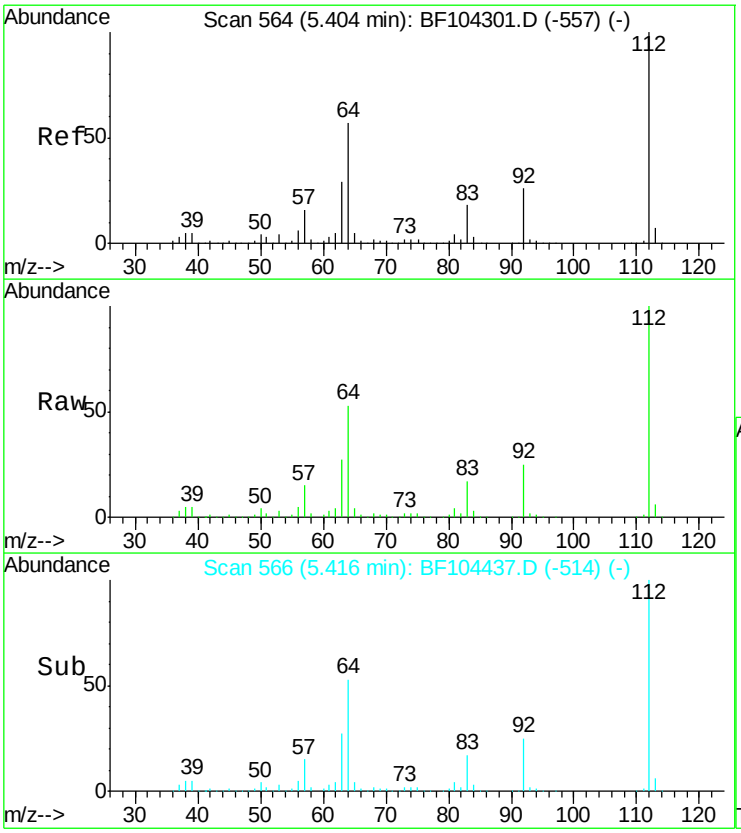

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion:152 Resp: 129773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 124.6 | 186.8 |
| 115 | 66.7 | 50.1 | 75.1 |

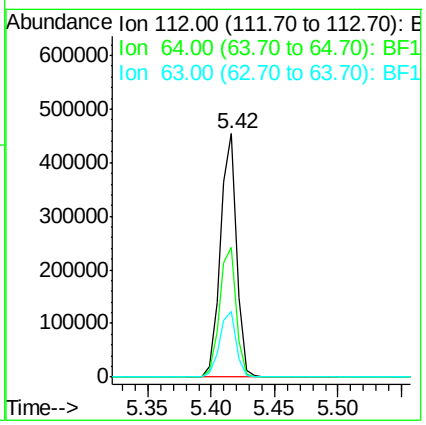


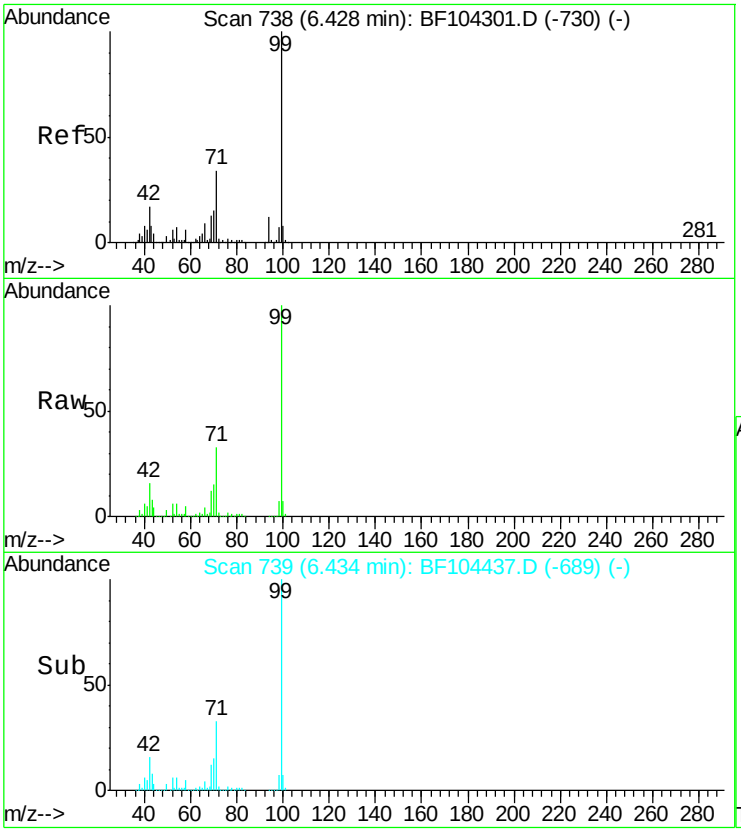




#5
2-Fluorophenol
Concen: 47.716 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:112 Resp: 404971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.4 | 47.9 | 71.9 |
| 63 | 26.9 | 23.7 | 35.5 |



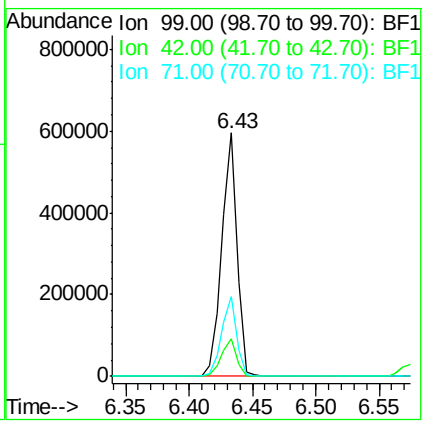


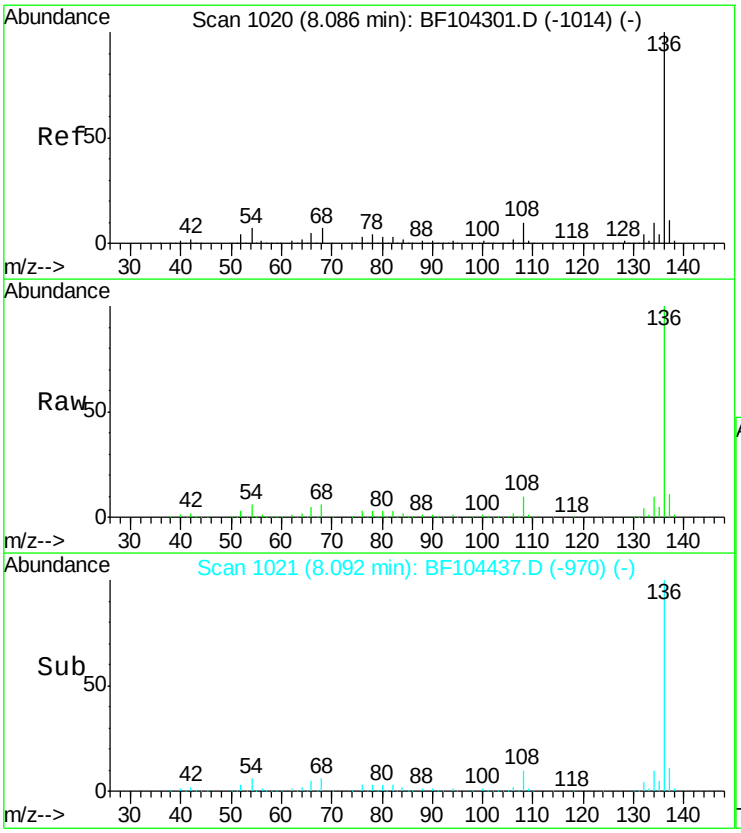

#7
Phenol-d6
Concen: 48.276 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion: 99 Resp: 503420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 14.5 | 21.7 |
| 71 | 32.9 | 25.4 | 38.0 |

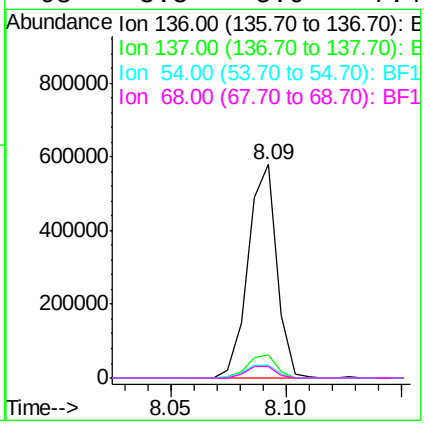


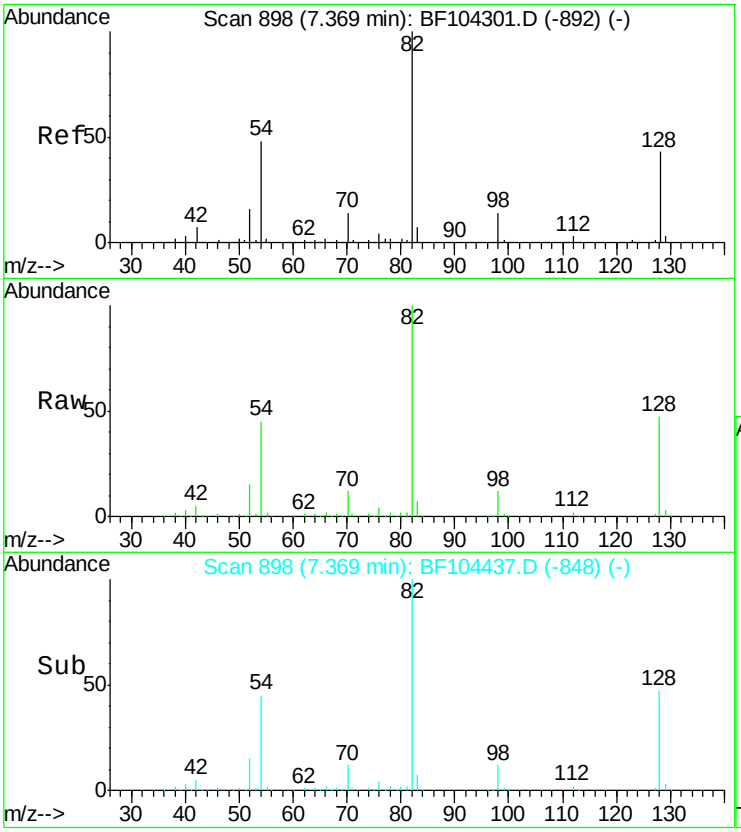




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:136 Resp: 503423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 6.2 | 6.6 | 9.8# |
| 68 | 5.5 | 5.0 | 7.4 |



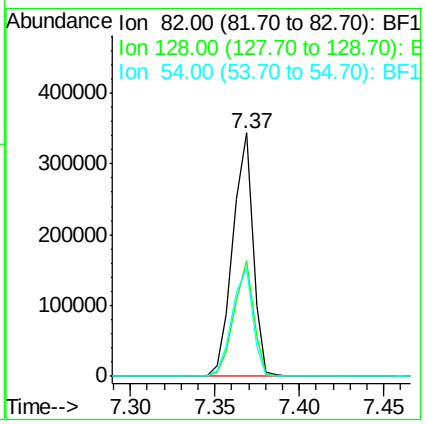


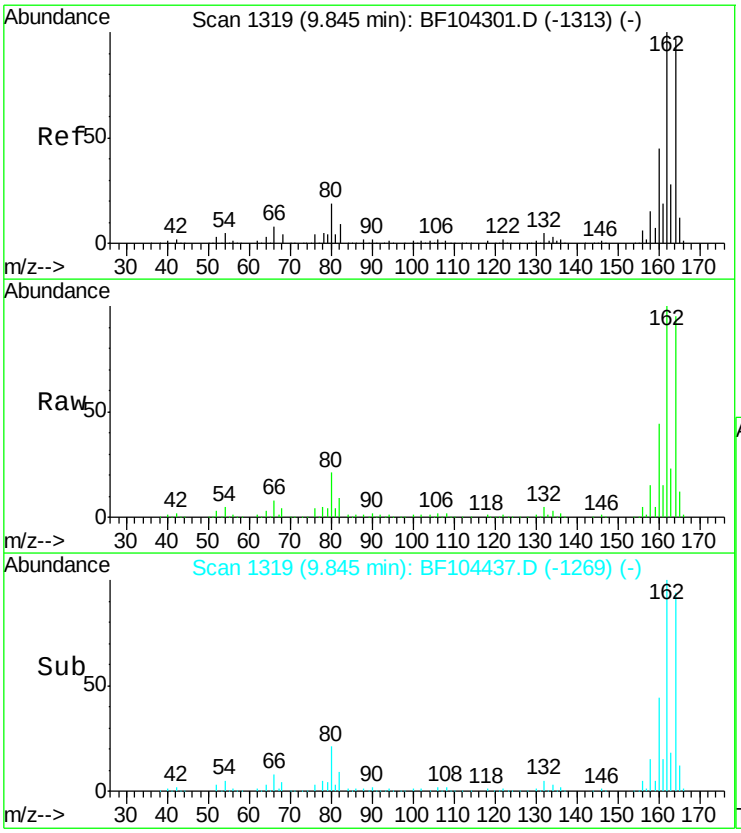

#23
Nitrobenzene-d5
Concen: 37.008 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion: 82 Resp: 285317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.3 | 36.1 | 54.1 |
| 54 | 44.5 | 41.4 | 62.2 |

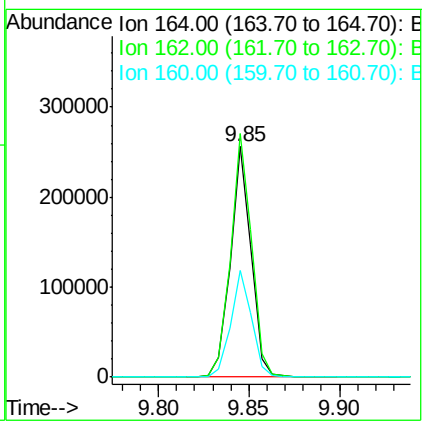


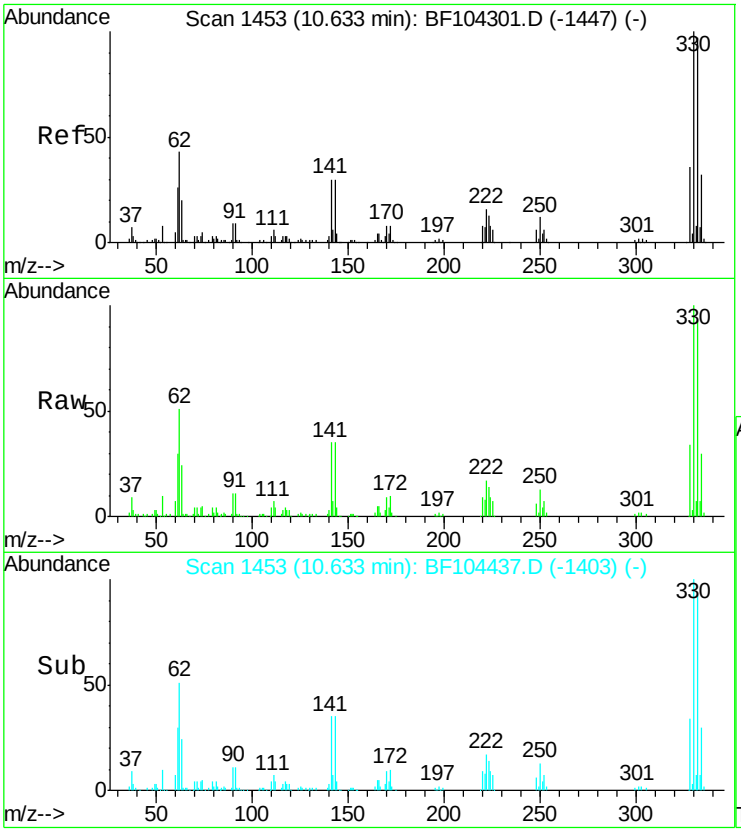




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:164 Resp: 202897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.5 | 86.1 | 129.1 |
| 160 | 46.3 | 38.3 | 57.5 |



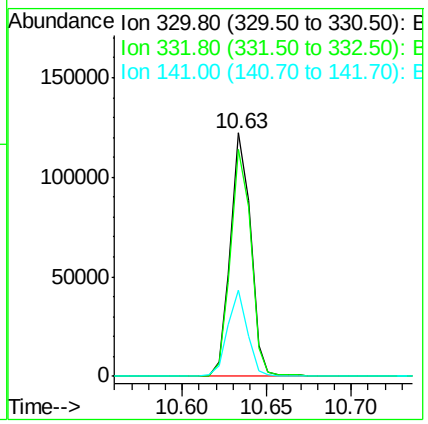


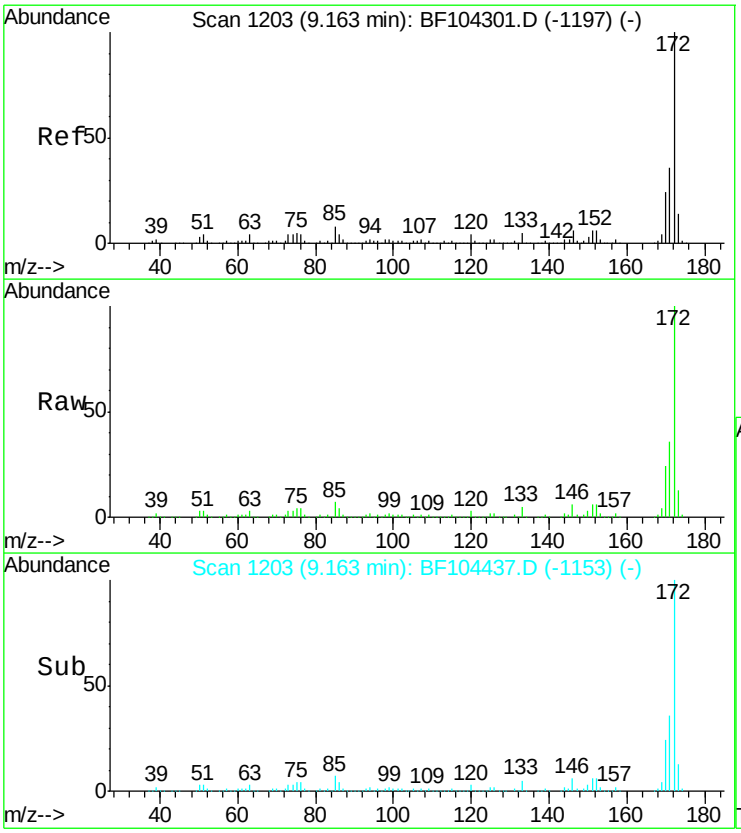

#41
2,4,6-Tribromophenol
Concen: 48.739 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion:330 Resp: 102582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.9 | 77.0 | 115.6 |
| 141 | 34.0 | 29.9 | 44.9 |

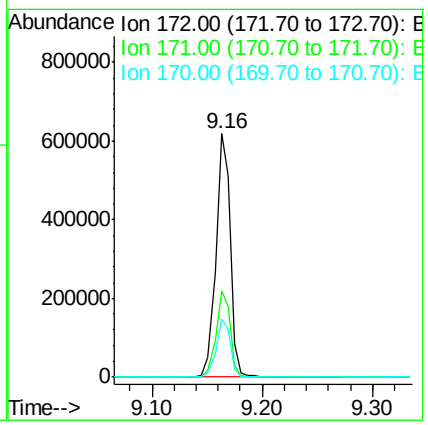


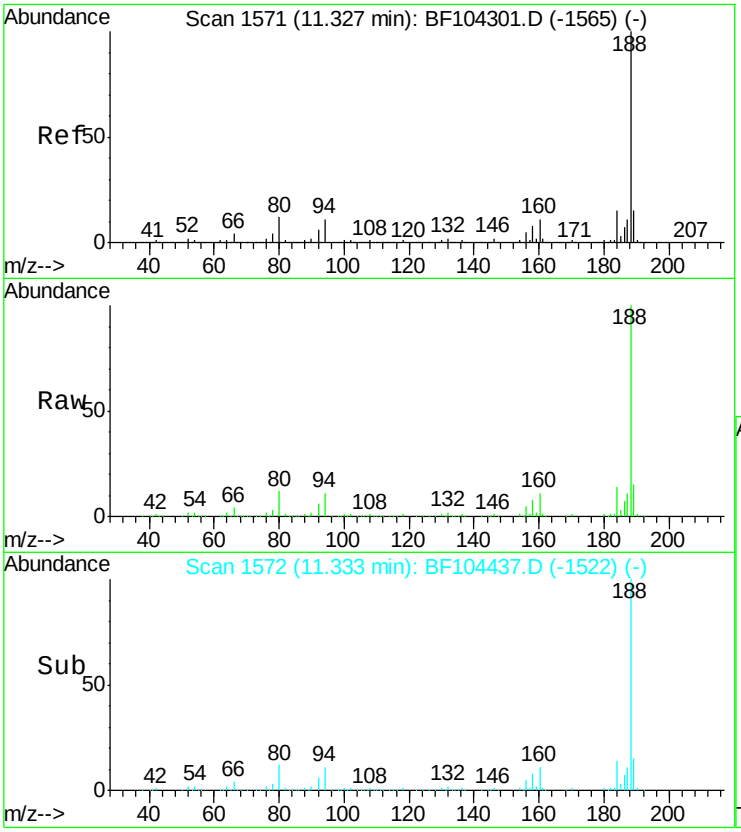




#44
2-Fluorobiphenyl
Concen: 42.867 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:172 Resp: 550566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.7 | 44.5 |
| 170 | 24.1 | 19.6 | 29.4 |



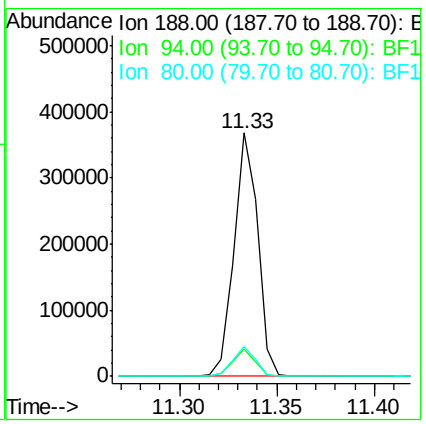


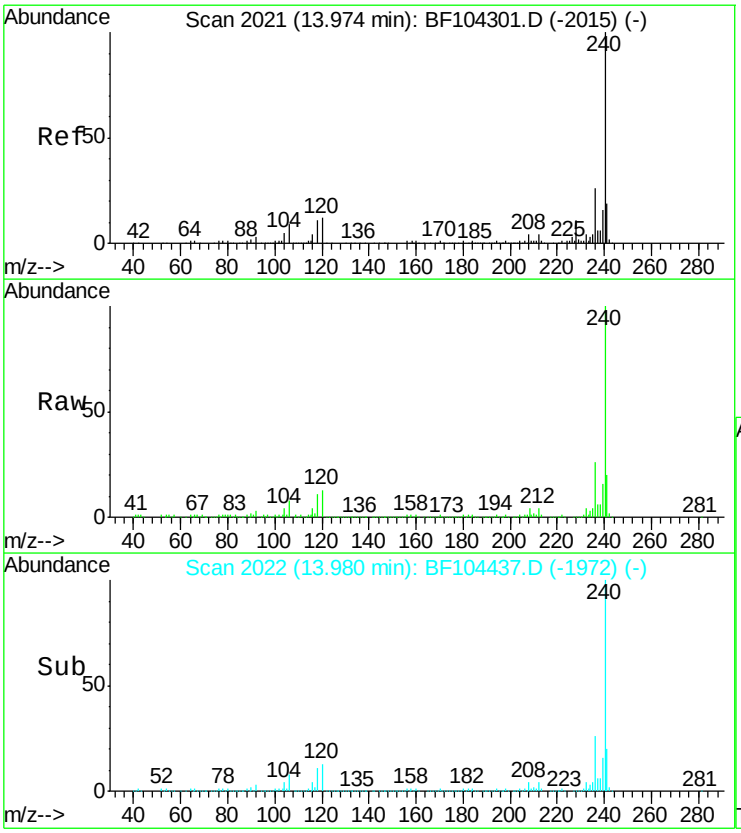

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion:188 Resp: 310426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.3 | 8.5 | 12.7 |
| 80 | 12.2 | 9.2 | 13.8 |

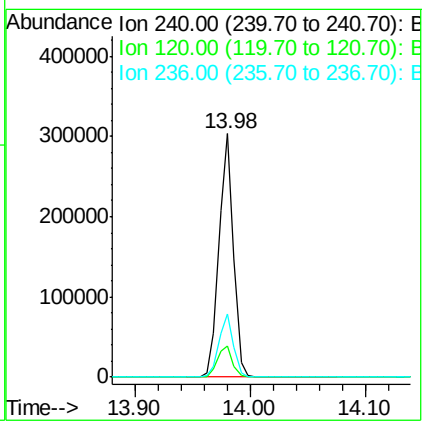


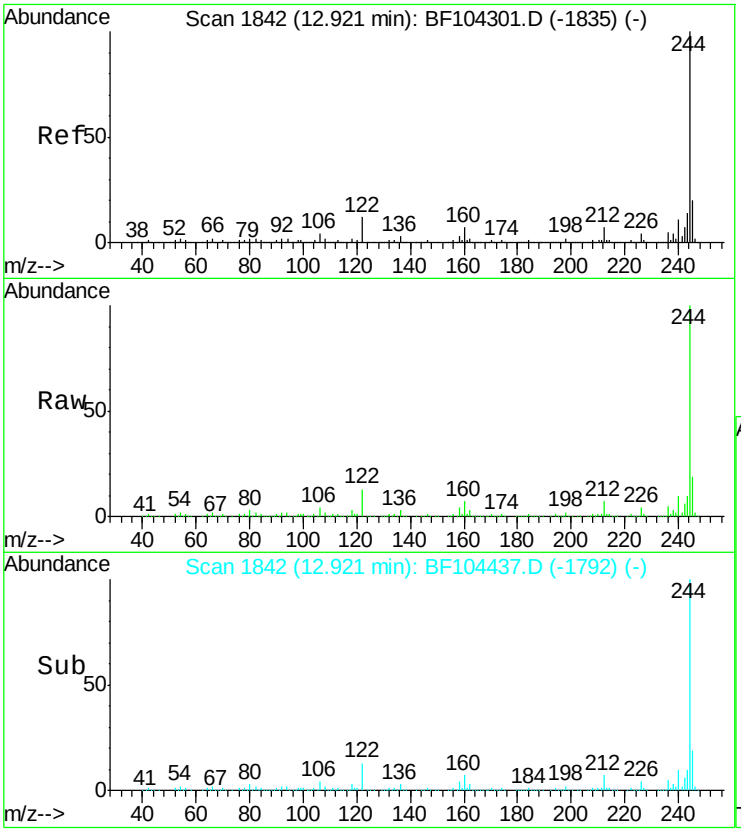




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:240 Resp: 263041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 9.5 | 14.3 |
| 236 | 26.0 | 20.7 | 31.1 |



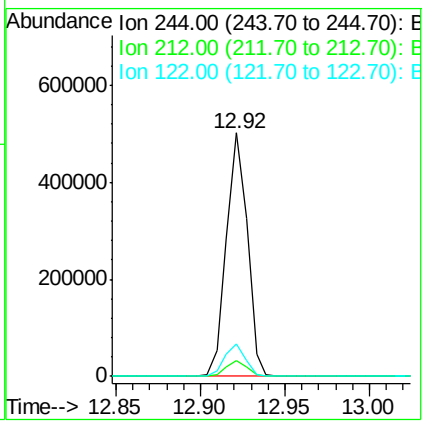


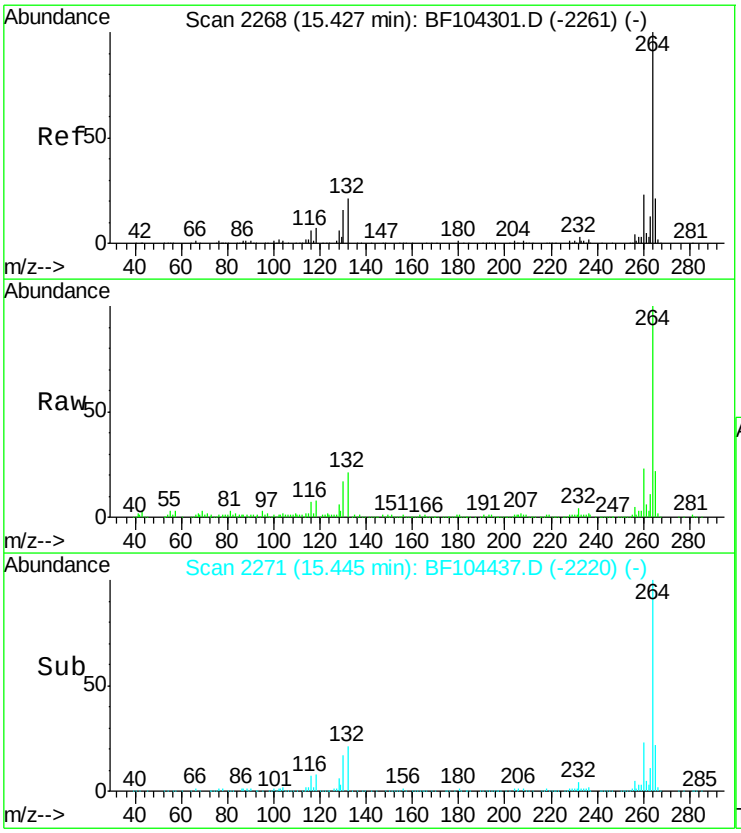

#78
Terphenyl-d14
Concen: 37.286 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

**Instrument :**
BNA_F
**ClientSampleId :**
P004-S004-0001-01

Tgt Ion:244 Resp: 430202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 13.2 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion:264 Resp: 210821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 19.2 | 28.8 |
| 265 | 22.1 | 17.5 | 26.3 |