Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
Data File : BF104310.D
Acq On : 6 Apr 2018 17:02
Operator : JU/SJ
Sample : PB107966BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Apr 06 23:09:34 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 129709 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 536501 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 255076 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 469893 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.96 | 240 | 425943 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.42 | 264 | 346415 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 995821 | 117.39 | ng | 0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 1218763 | 116.93 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 736920 | 89.69 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 315325 | 119.17 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 1333033 | 82.56 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1438516 | 77.00 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.43 | 77 | 1816 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 98564 | 14.472 | ng | # 75 |
| 25) Isophorone | 7.36 | 82 | 736755 | 42.405 | ng | # 64 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 33053 | 8.880 | ng | # 25 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 33053 | 6.770 | ng | # 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198 | 586 | 7.564 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.63 | 248 | 18869 | 3.775 | ng | # 1 |
| 76) Benzidine | 12.92 | 184 | 19971 | Below Cal | | 97 |

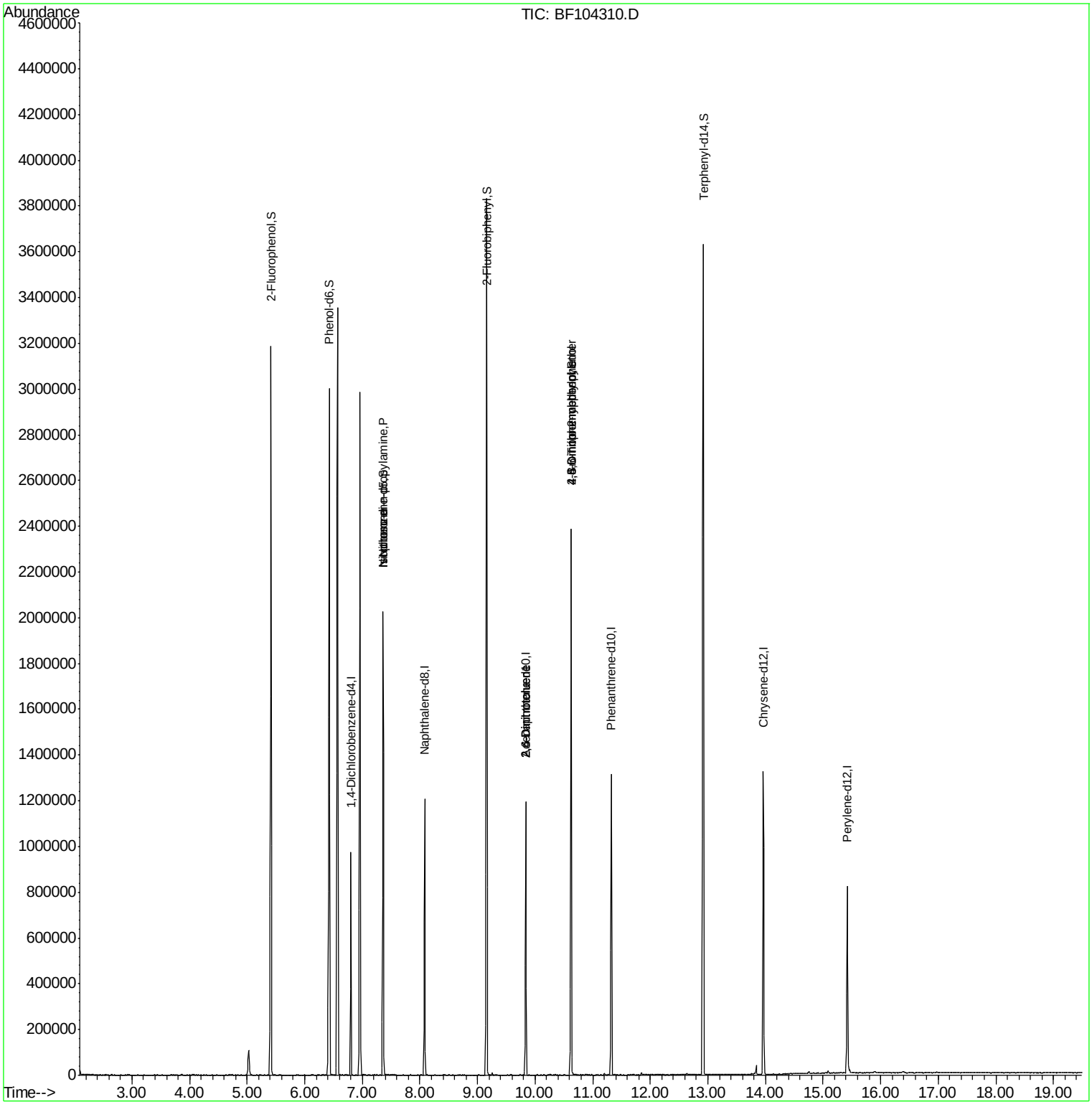
(#) = qualifier out of range (m) = manual integration (+) = signals summed

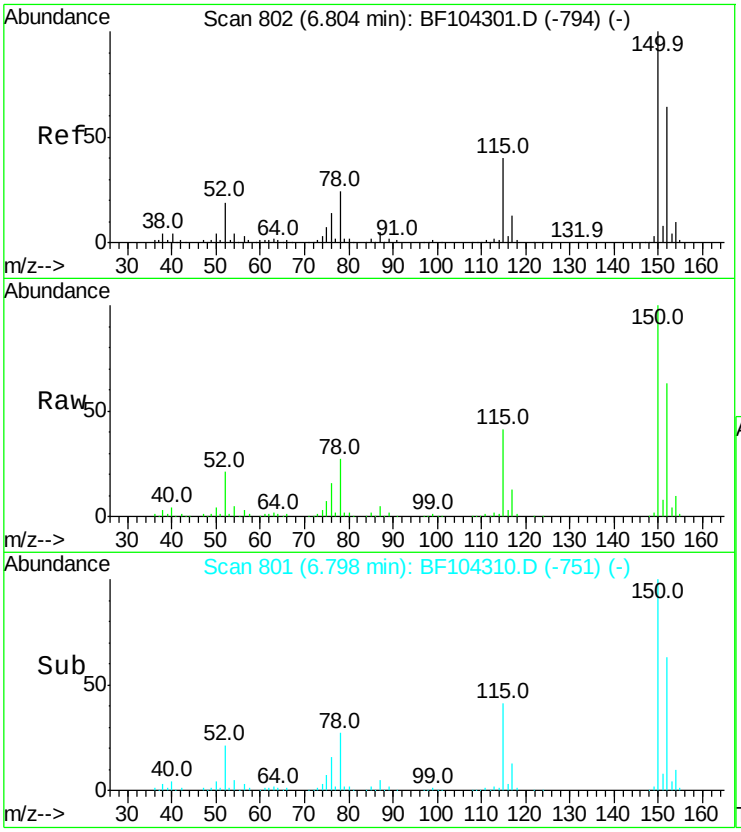
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
Data File : BF104310.D
Acq On : 6 Apr 2018 17:02
Operator : JU/SJ
Sample : PB107966BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Apr 06 23:09:34 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



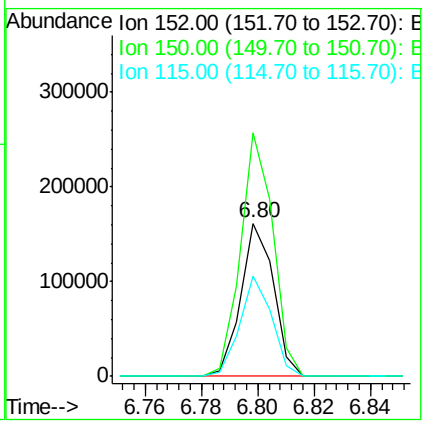


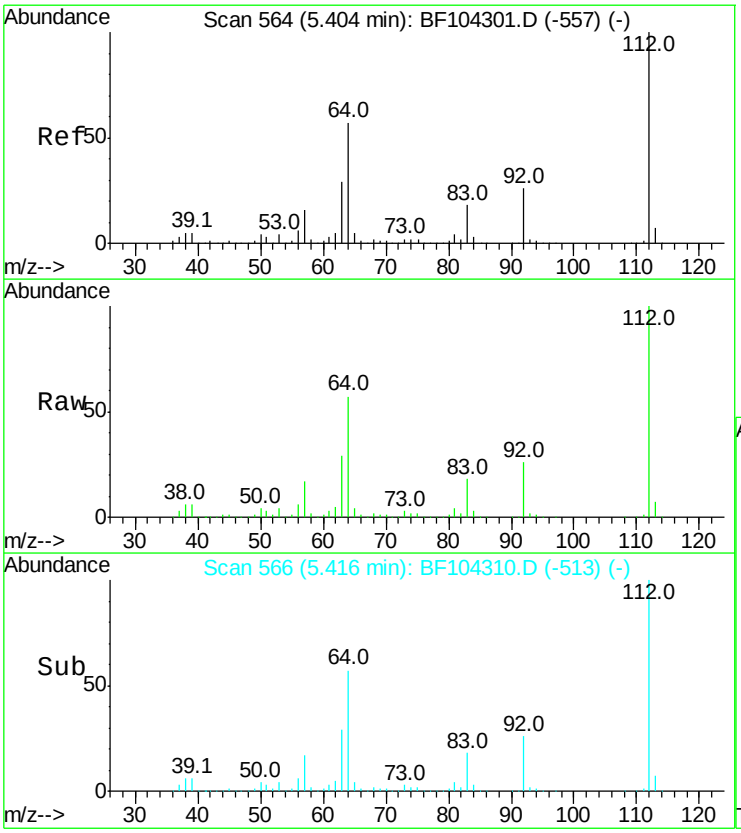

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 129709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.0 | 124.6 | 186.8 |
| 115 | 65.7 | 50.1 | 75.1 |

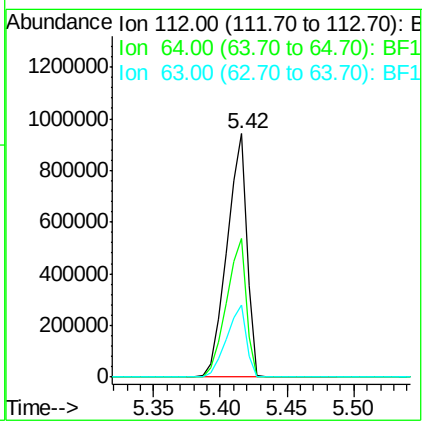


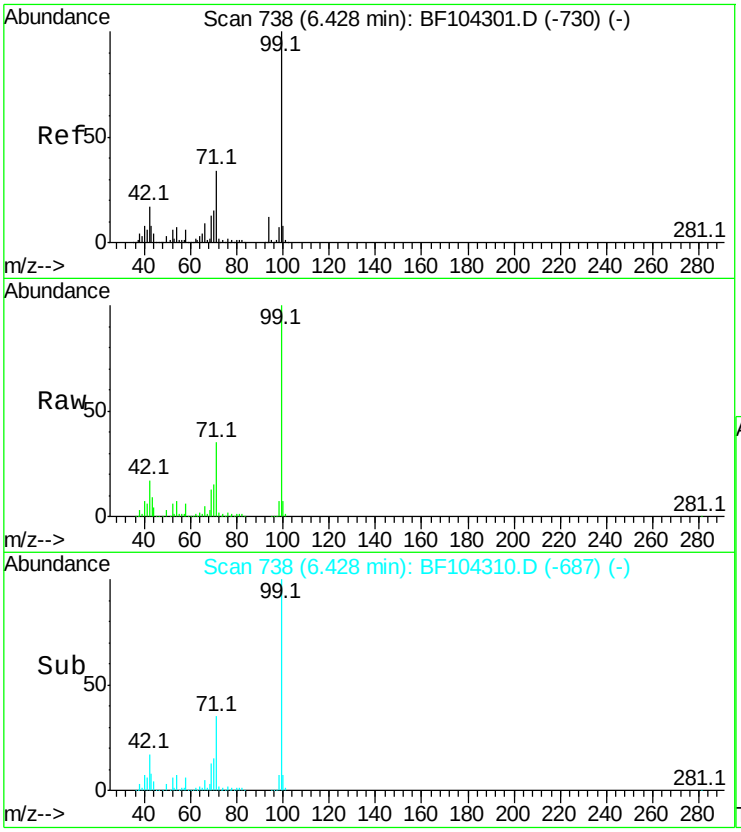




#5
2-Fluorophenol
Concen: 117.391 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:112 Resp: 995821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 47.9 | 71.9 |
| 63 | 29.4 | 23.7 | 35.5 |



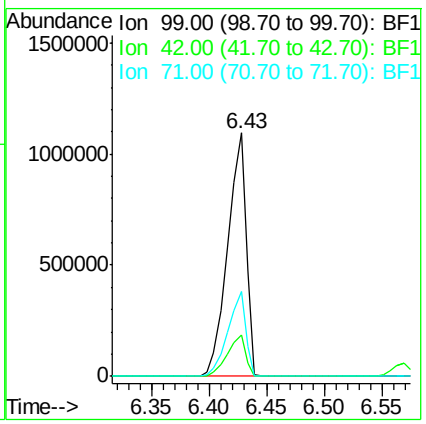


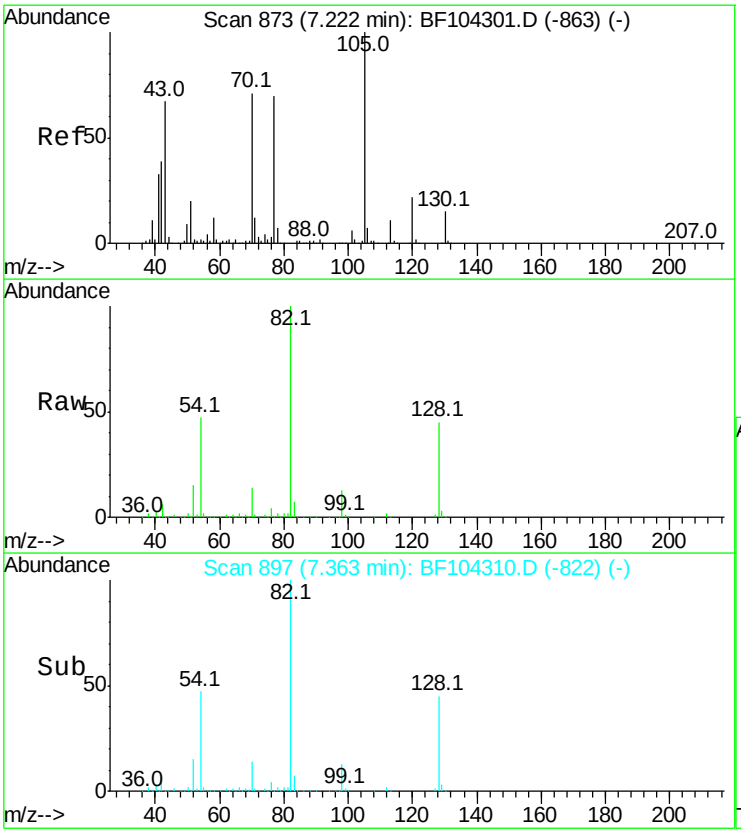

#7
Phenol-d6
Concen: 116.933 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 1218763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.5 | 21.7 |
| 71 | 35.0 | 25.4 | 38.0 |

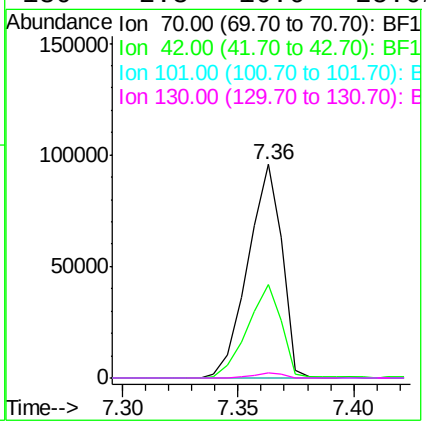


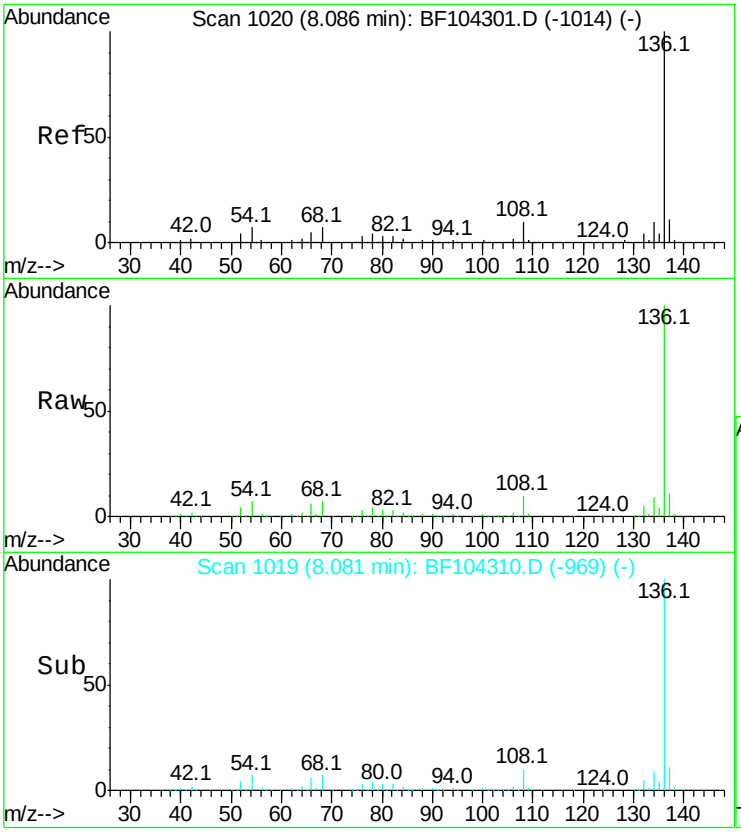




#19
n-Nitroso-di-n-propylamine
Concen: 14.472 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion: 70 Resp: 98564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.0 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |

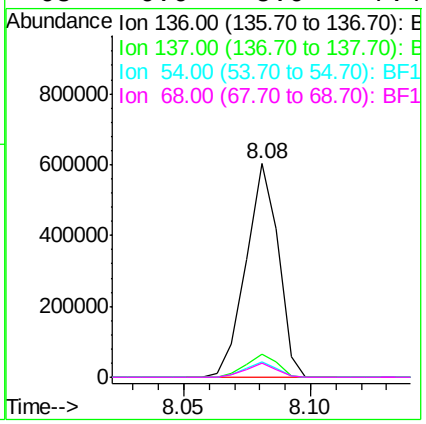




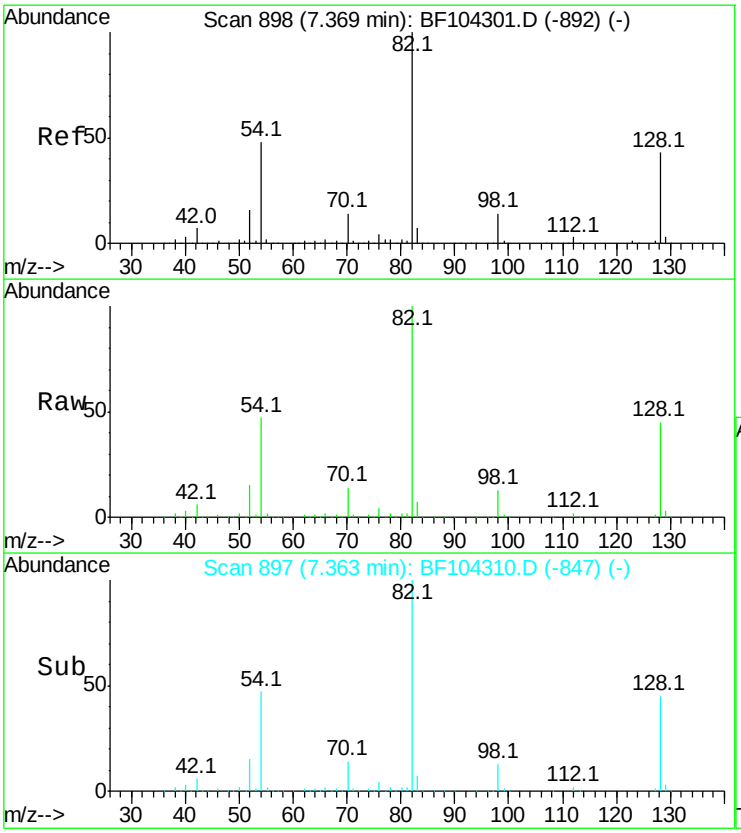

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:136 Resp: 536501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 7.3 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |



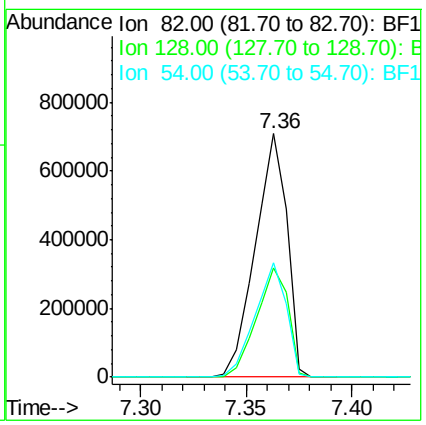

**Instrument :**
BNA_F
**ClientSampleId :**

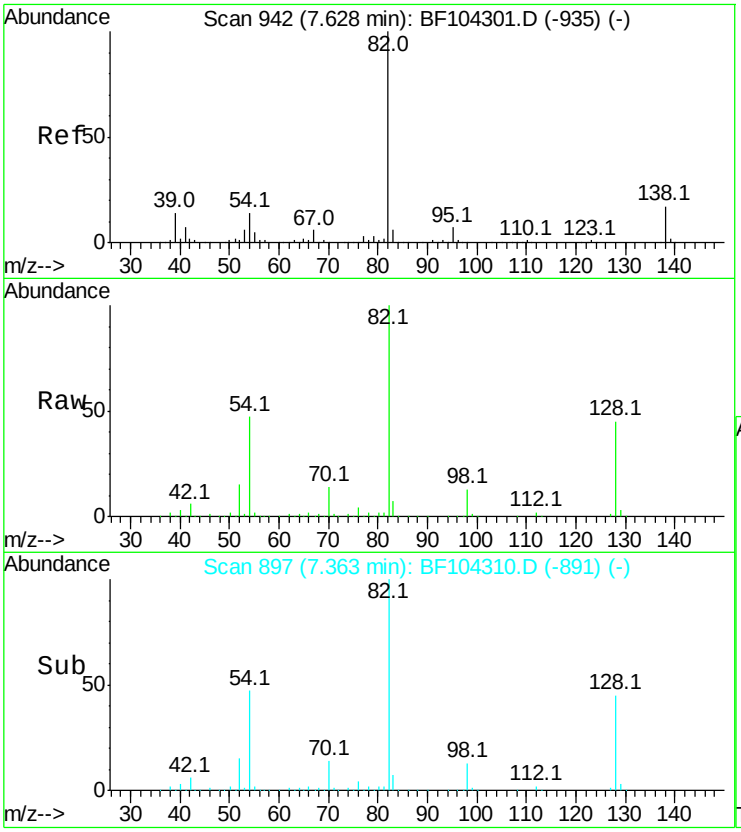



#23
Nitrobenzene-d5
Concen: 89.691 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion: 82 Resp: 736920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.8 | 36.1 | 54.1 |
| 54 | 46.8 | 41.4 | 62.2 |



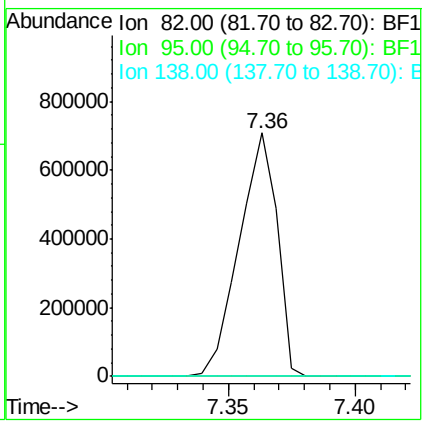


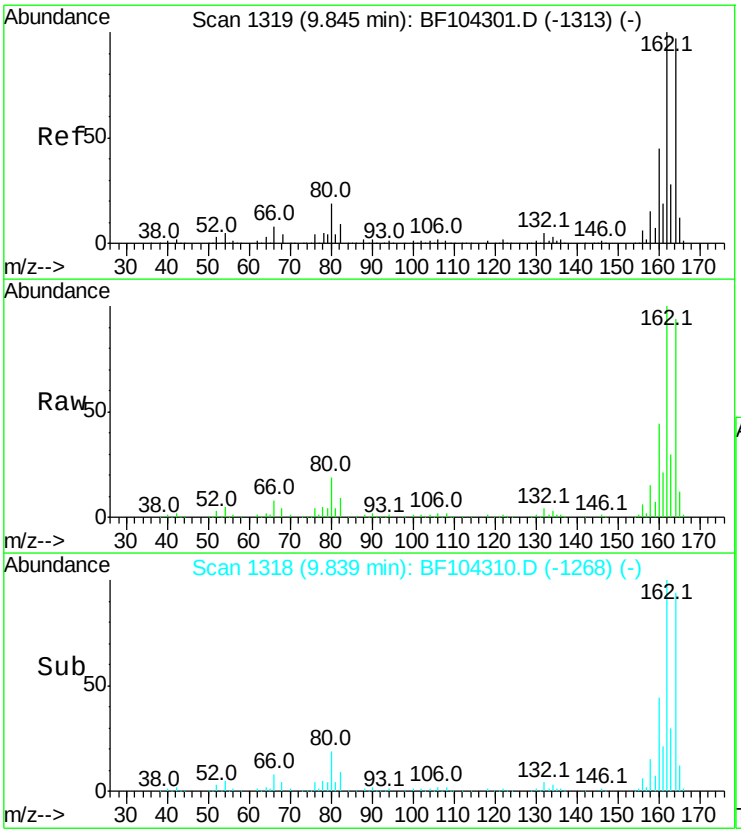

#25
Isophorone
Concen: 42.405 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 736755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

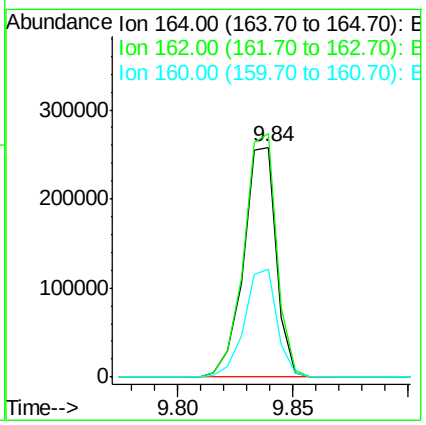


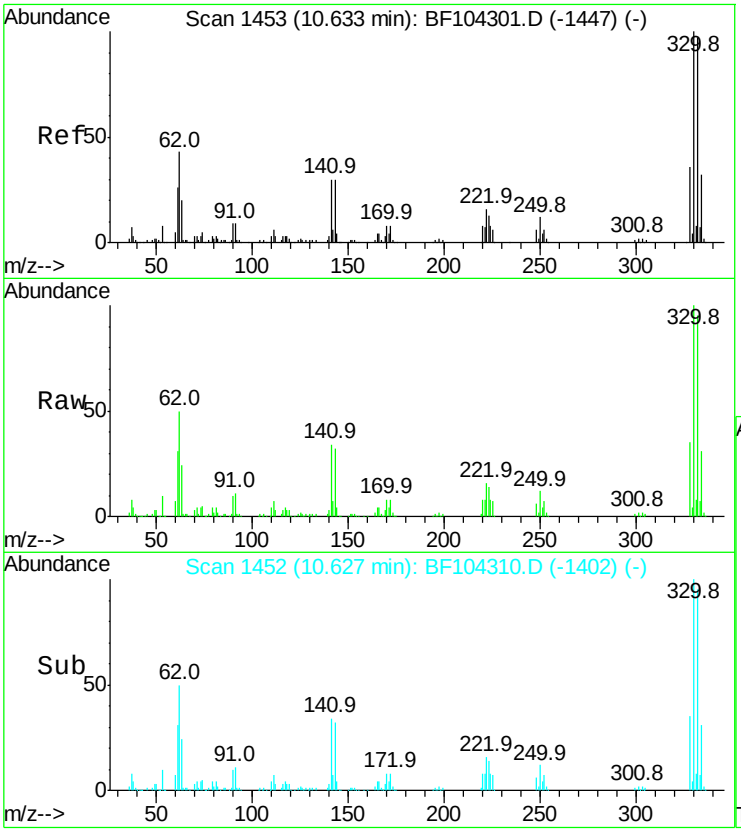




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:164 Resp: 255076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.0 | 86.1 | 129.1 |
| 160 | 46.7 | 38.3 | 57.5 |



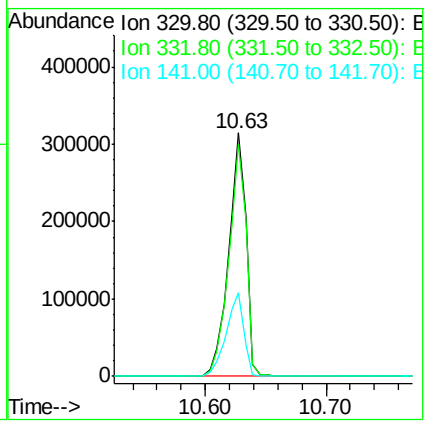


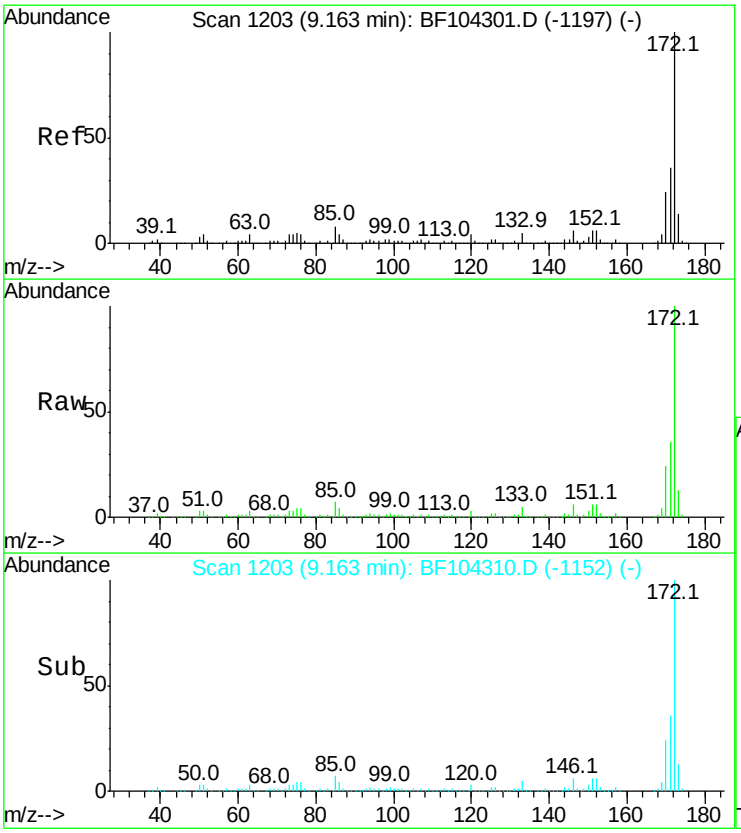

#41
2,4,6-Tribromophenol
Concen: 119.172 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 315325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 77.0 | 115.6 |
| 141 | 34.8 | 29.9 | 44.9 |

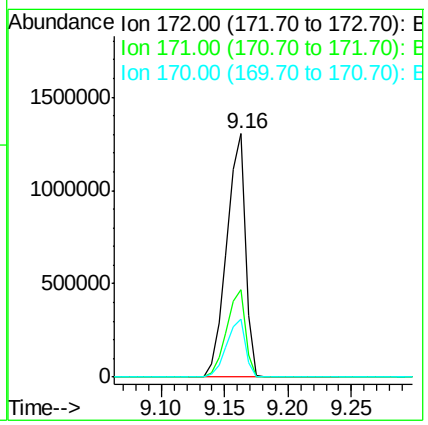


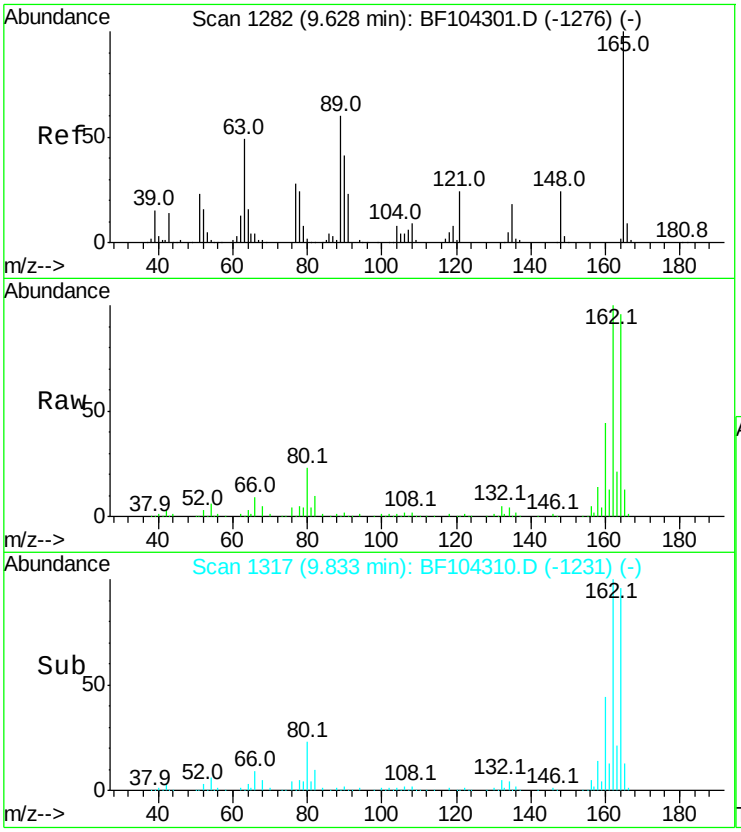




#44
2-Fluorobiphenyl
Concen: 82.558 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:172 Resp: 1333033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.7 | 44.5 |
| 170 | 23.9 | 19.6 | 29.4 |



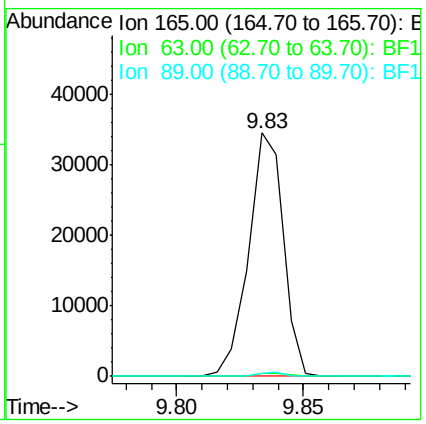


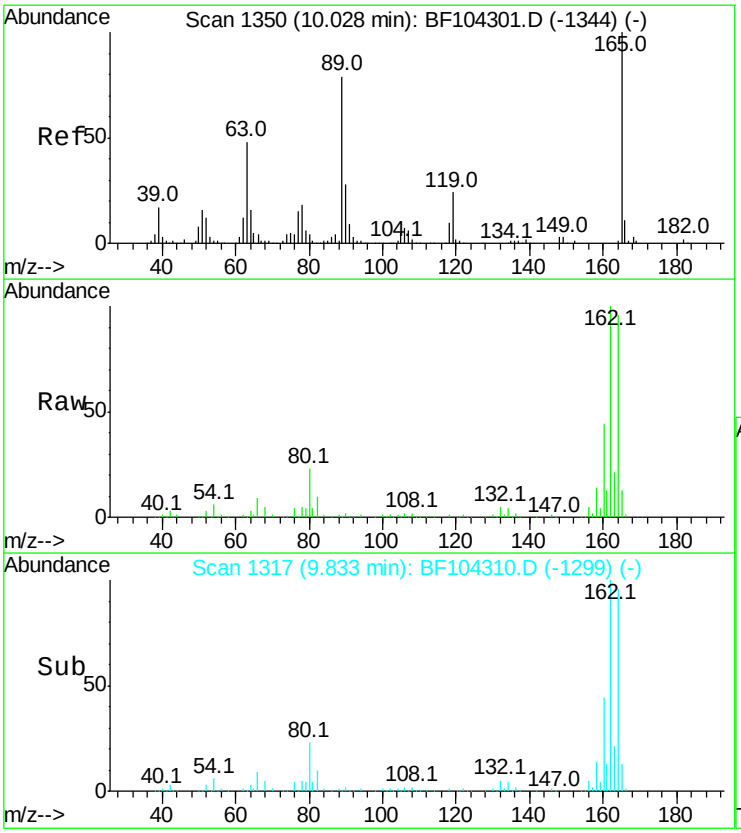

#50
2,6-Dinitrotoluene
Concen: 8.880 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:165 Resp: 33053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 44.7 | 67.1# |
| 89 | 1.2 | 44.0 | 66.0# |

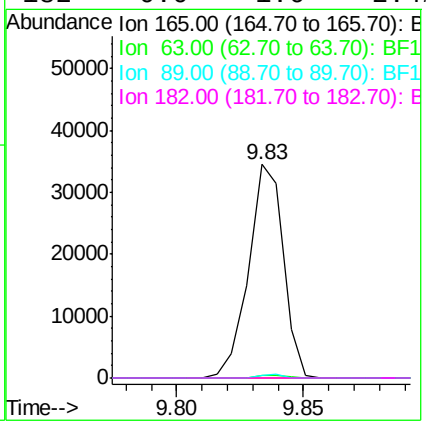


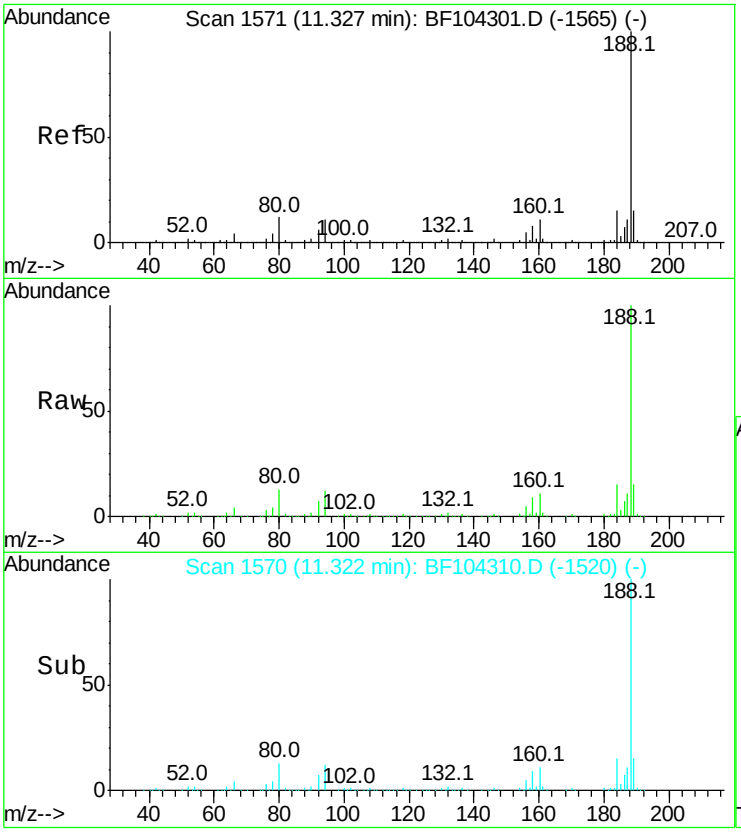




#56
2,4-Dinitrotoluene
Concen: 6.770 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:165 Resp: 33053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 1.2 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



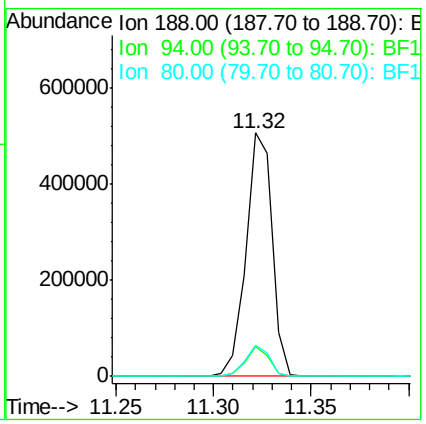


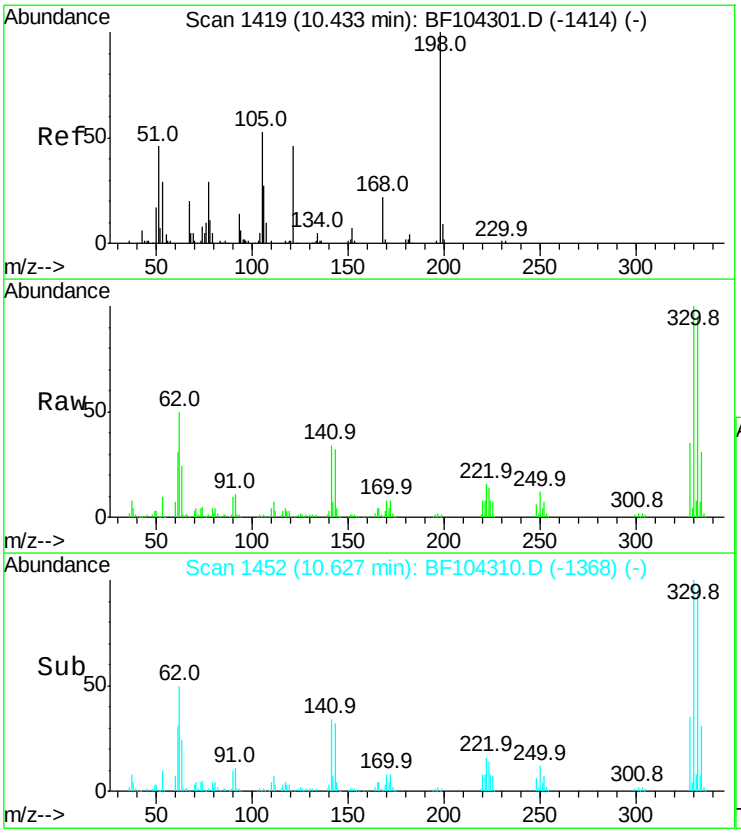

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:188 Resp: 469893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.1 | 8.5 | 12.7 |
| 80 | 12.7 | 9.2 | 13.8 |

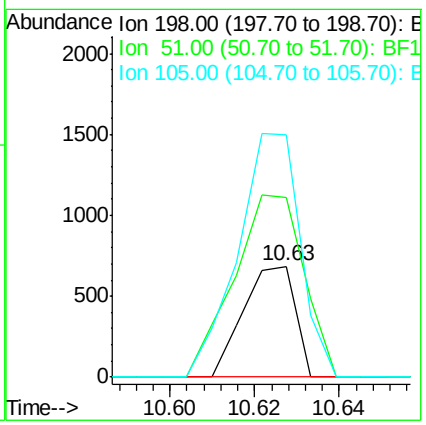


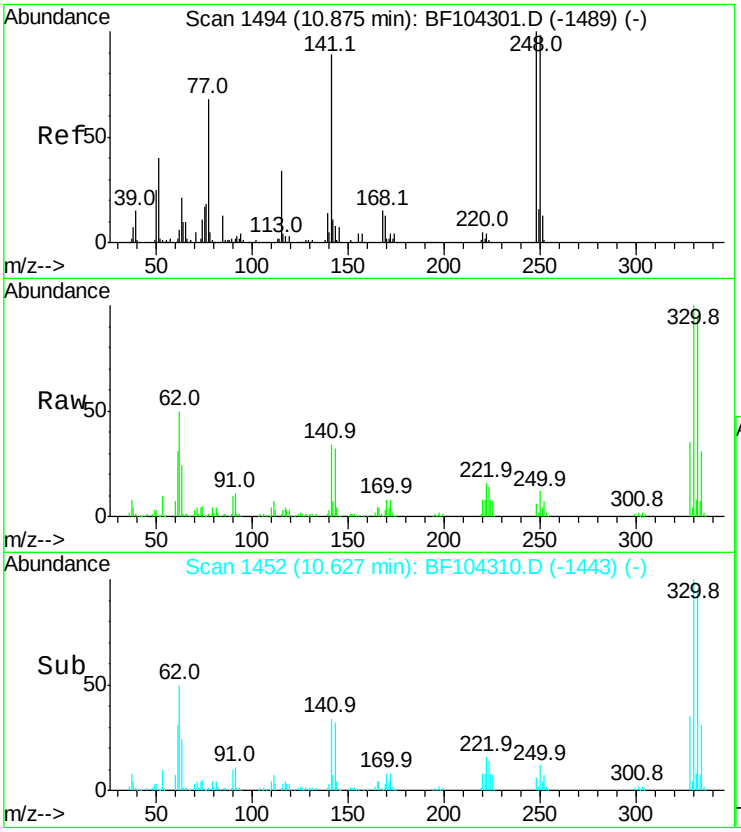




#64
4,6-Dinitro-2-methylphenol
Concen: 7.564 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:198 Resp: 586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 161.6 | 37.7 | 77.7# |
| 105 | 218.0 | 36.3 | 76.3# |



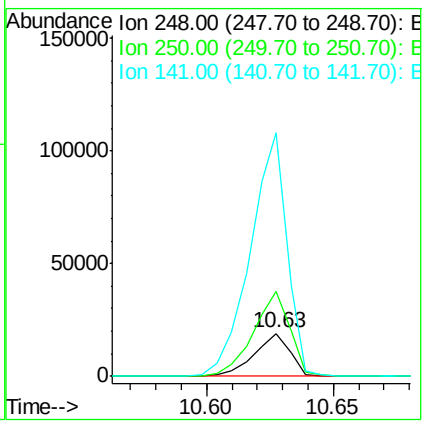


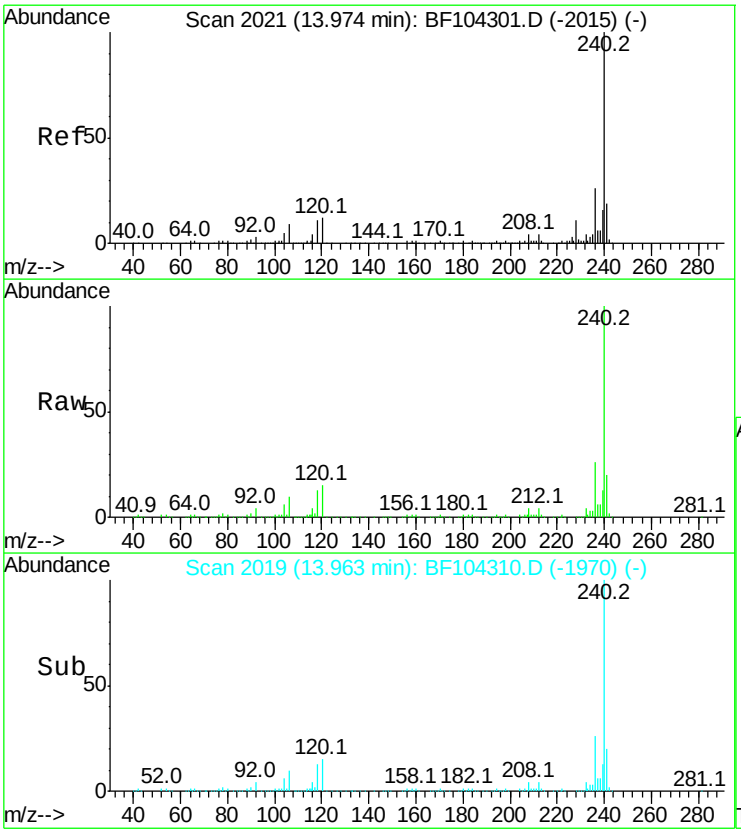

#66
4-Bromophenyl-phenylether
Concen: 3.775 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:248 Resp: 18869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 198.0 | 76.9 | 115.3# |
| 141 | 566.0 | 74.4 | 111.6# |

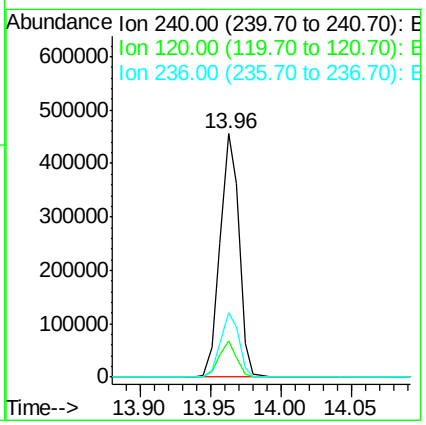


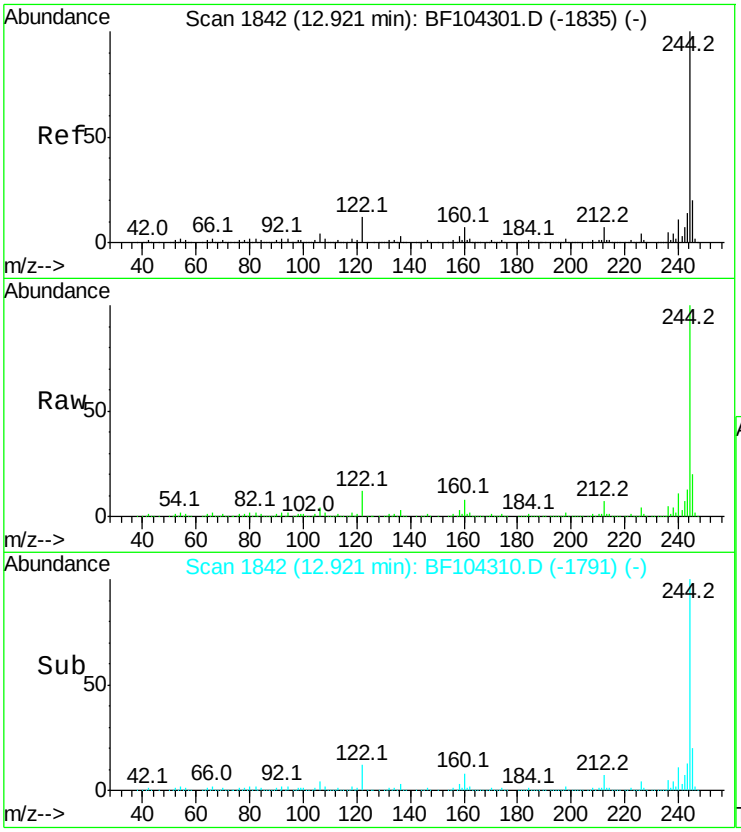




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:240 Resp: 425943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.8 | 9.5 | 14.3# |
| 236 | 26.2 | 20.7 | 31.1 |



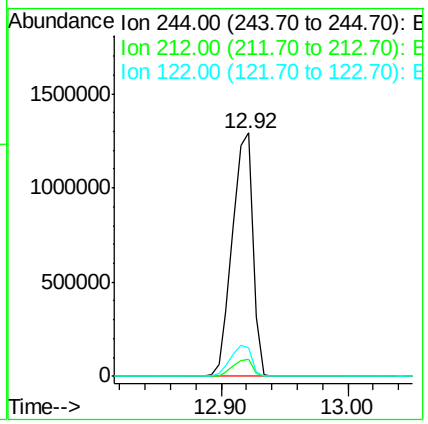


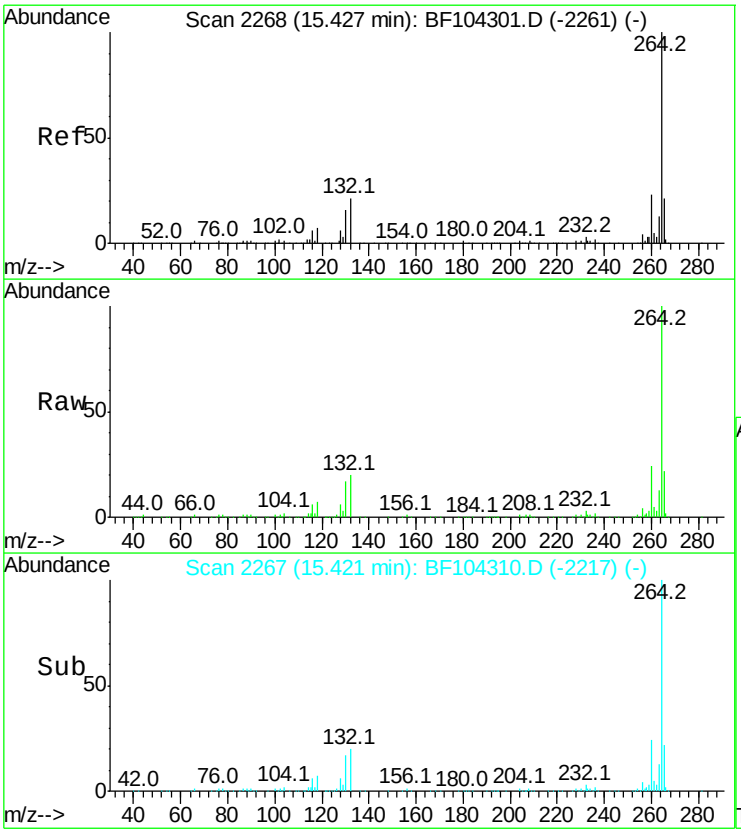

#78
Terphenyl-d14
Concen: 76.996 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 1438516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 11.9 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:264 Resp: 346415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 21.7 | 17.5 | 26.3 |