Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104389.D
Acq On : 9 Apr 2018 23:40
Operator : JU/SJ
Sample : J2278-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Apr 10 01:20:11 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 | 6.81 | 152 | 128495 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 491961 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 198855 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 296490 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 267897 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 197838 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 995192 | 118.43 | ng | 0.02 |
| 7) Phenol-d6 | 6.44 | 99 | 1077218 | 104.33 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 806574 | 107.06 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 257495 | 124.83 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1316696 | 104.60 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 1054901 | 89.77 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.44 | 77 | 1490 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 105648 | 15.658 | ng | # 72 |
| 25) Isophorone | 7.37 | 82 | 806567 | 50.626 | ng | # 64 |
| 31) Naphthalene | 8.11 | 128 | 91775 | 3.746 | ng | 97 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 25283 | 8.713 | ng | # 26 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 25283 | 6.643 | ng | # 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198 | 572 | 7.683 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.63 | 248 | 15381 | 4.877 | ng | # 1 |
| 76) Benzidine | 12.93 | 184 | 13835 | Below Cal | # | 96 |

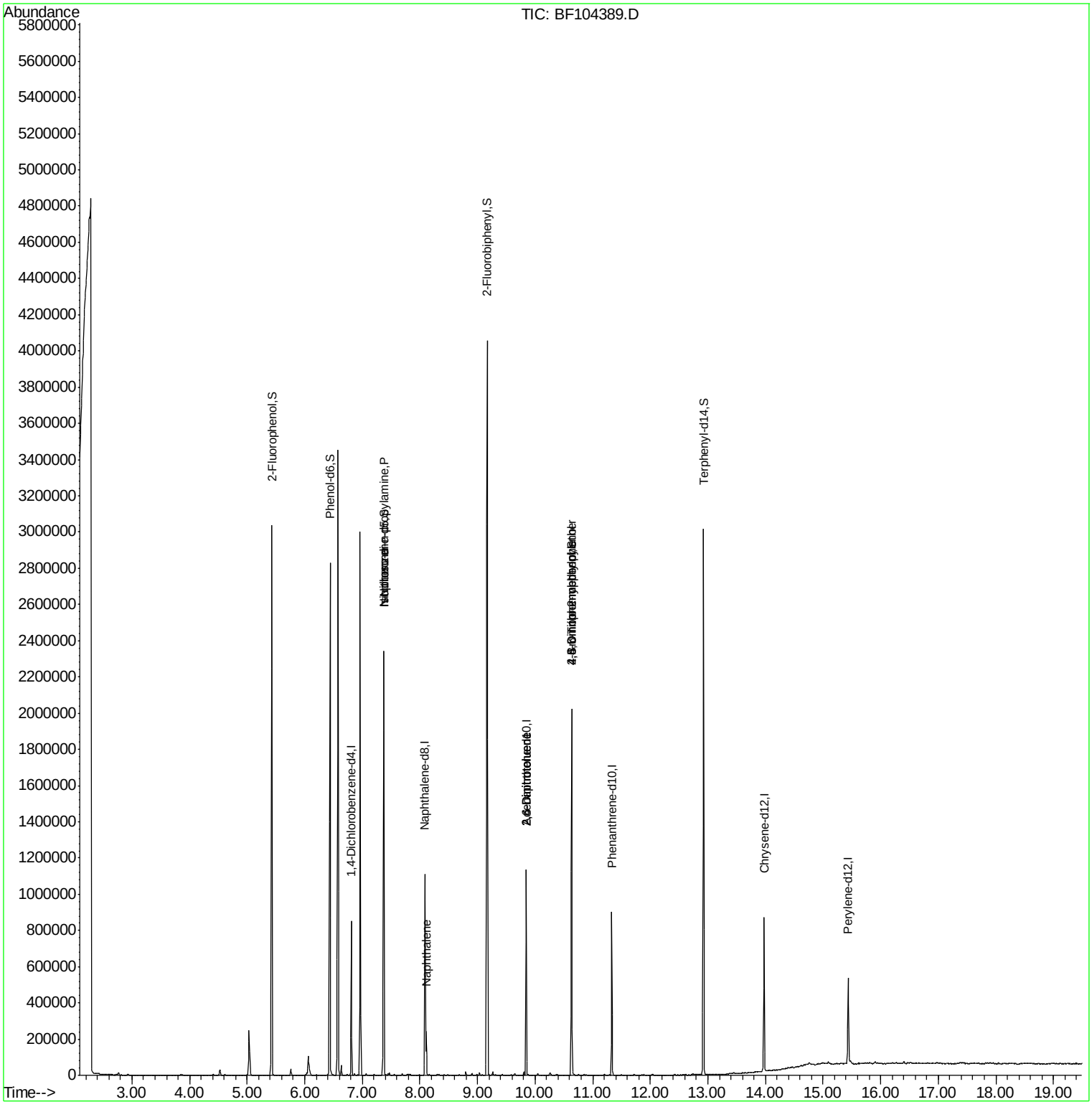
(#) = qualifier out of range (m) = manual integration (+) = signals summed

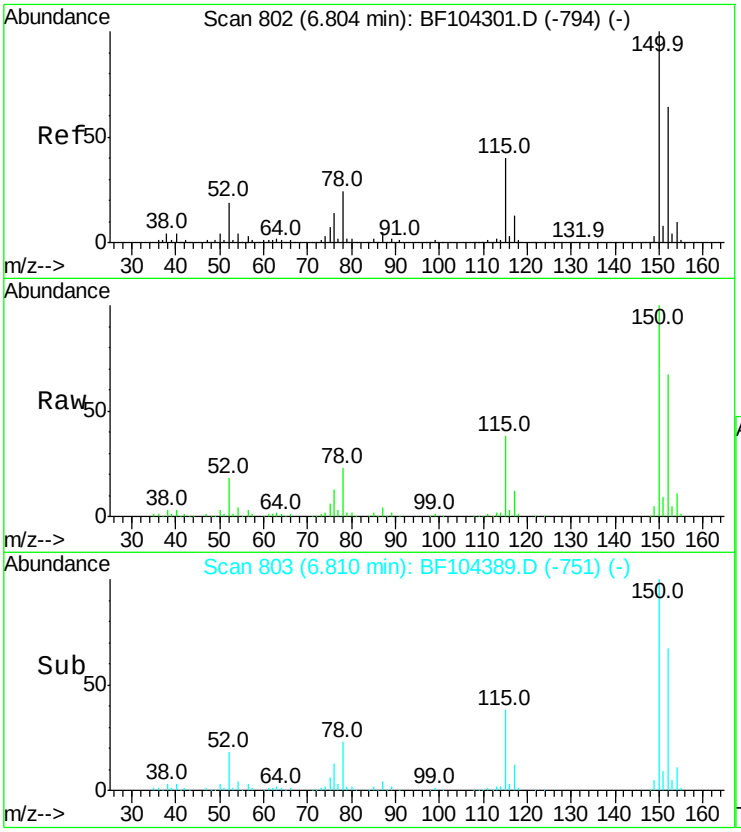
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104389.D
Acq On : 9 Apr 2018 23:40
Operator : JU/SJ
Sample : J2278-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Apr 10 01:20:11 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



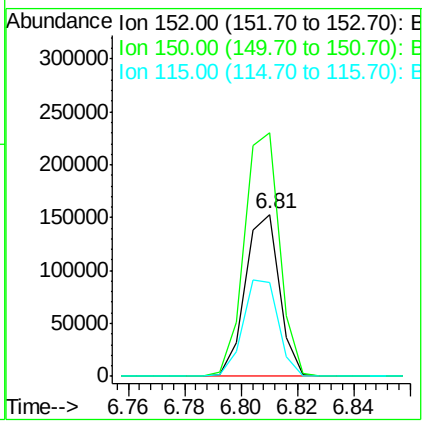


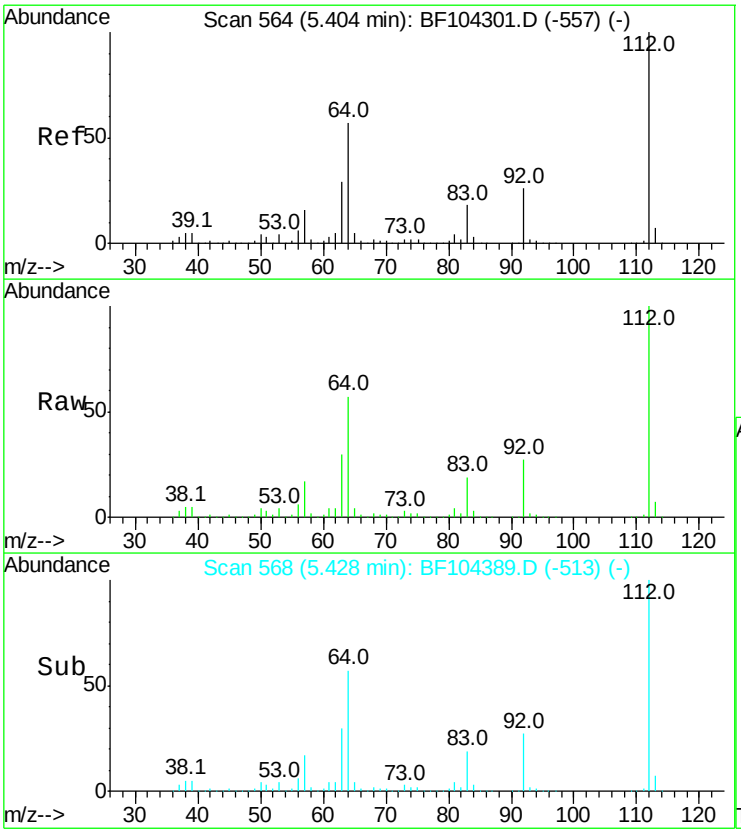

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:152 Resp: 128495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.1 | 124.6 | 186.8 |
| 115 | 57.6 | 50.1 | 75.1 |

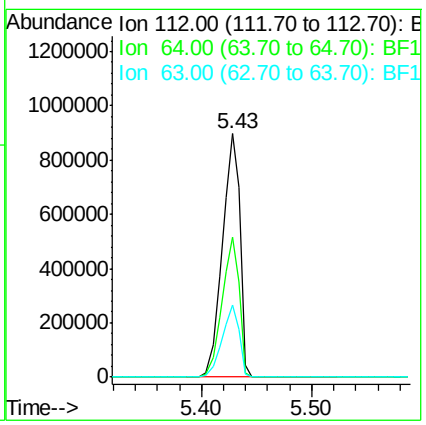


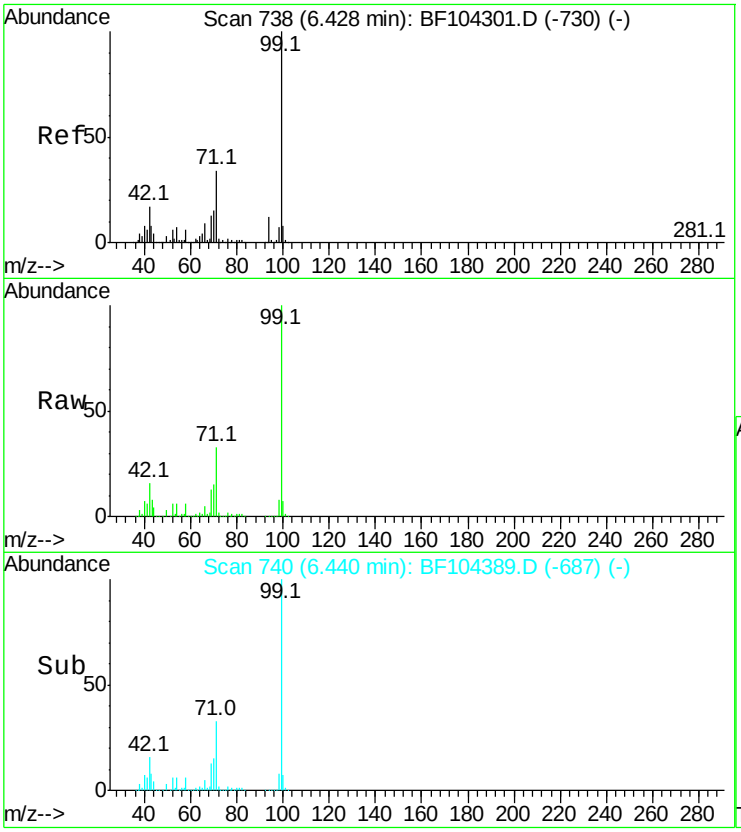




#5
2-Fluorophenol
Concen: 118.425 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:112 Resp: 995192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.2 | 47.9 | 71.9 |
| 63 | 29.5 | 23.7 | 35.5 |



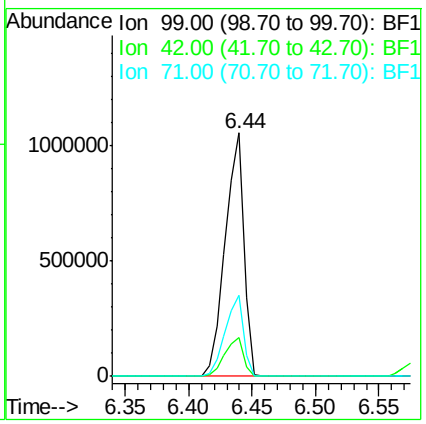


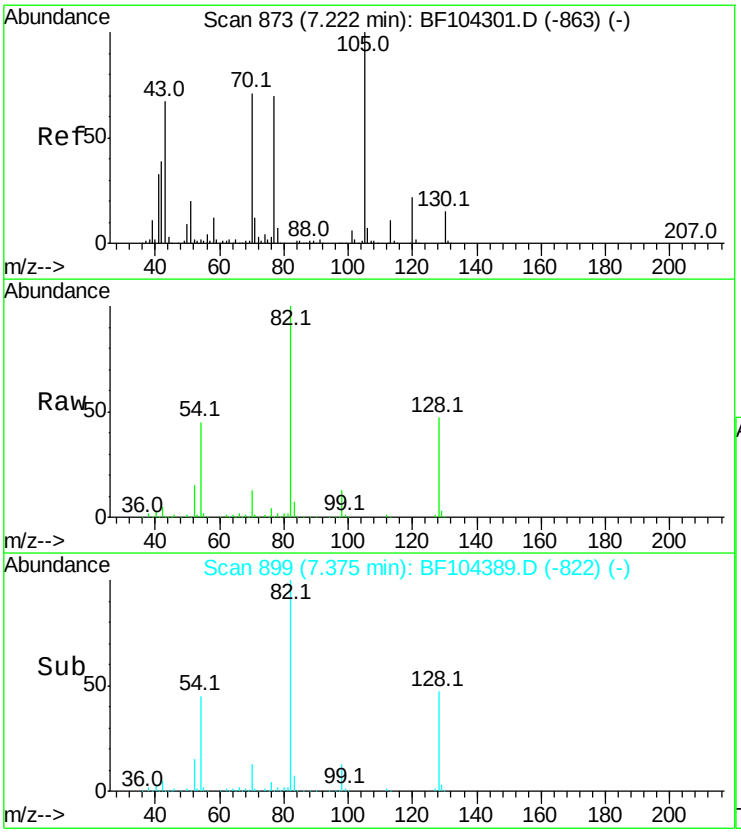

#7
Phenol-d6
Concen: 104.329 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion: 99 Resp: 1077218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.5 | 21.7 |
| 71 | 33.5 | 25.4 | 38.0 |

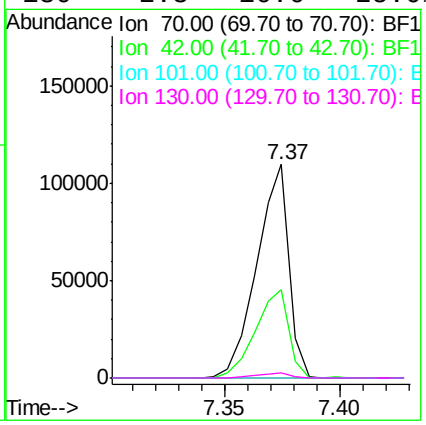


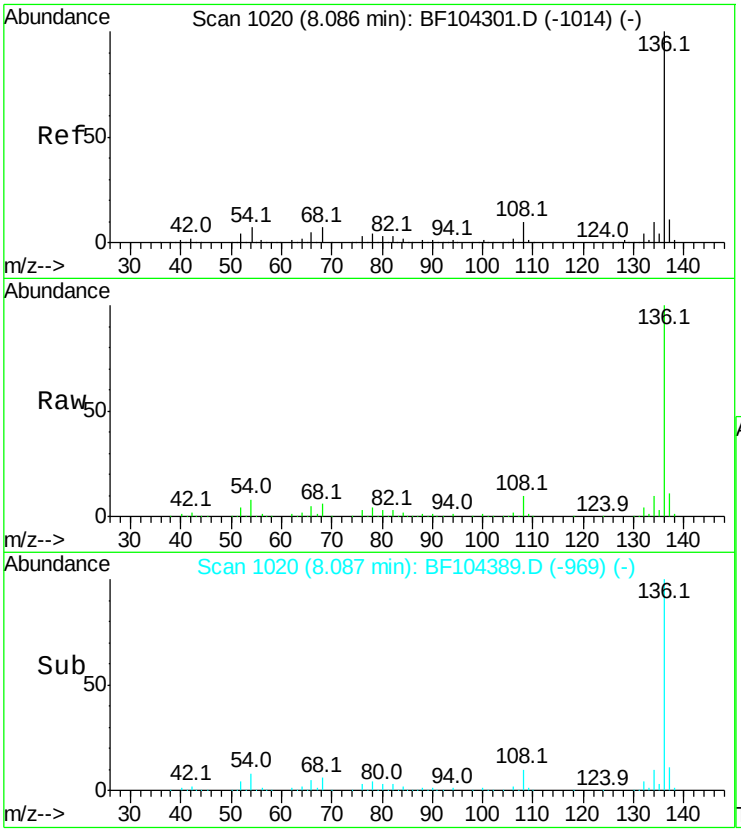




#19
n-Nitroso-di-n-propylamine
Concen: 15.658 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion: 70 Resp: 105648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.2 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |



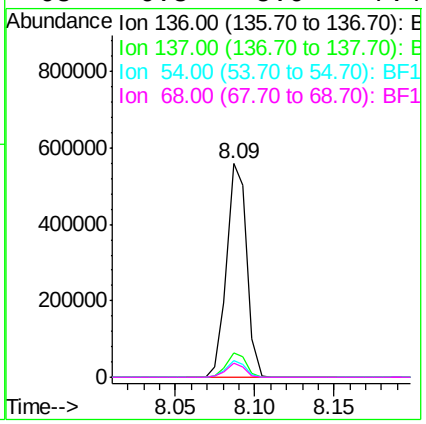


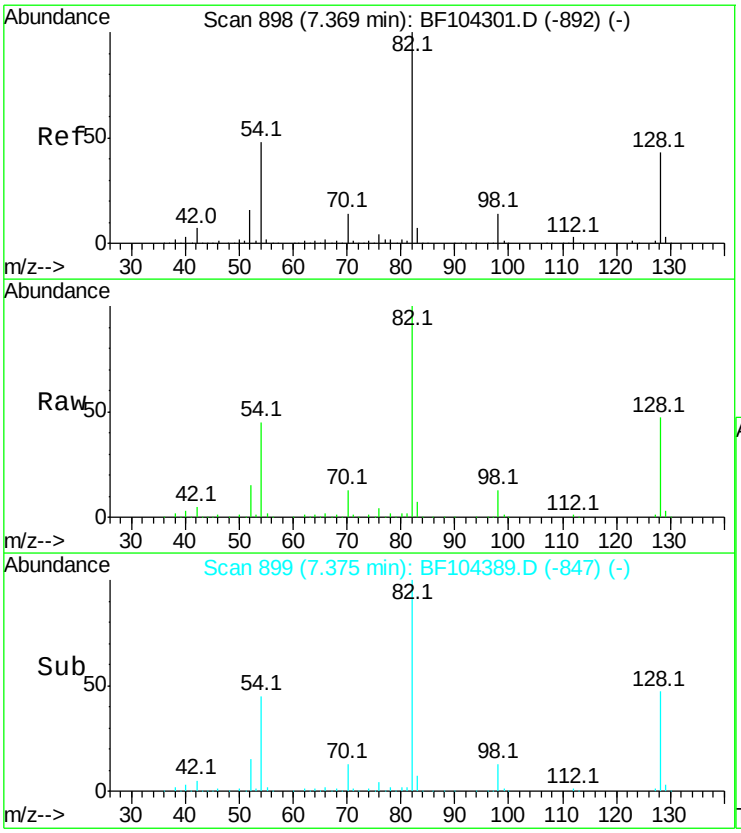

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:136 Resp: 491961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 7.6 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |

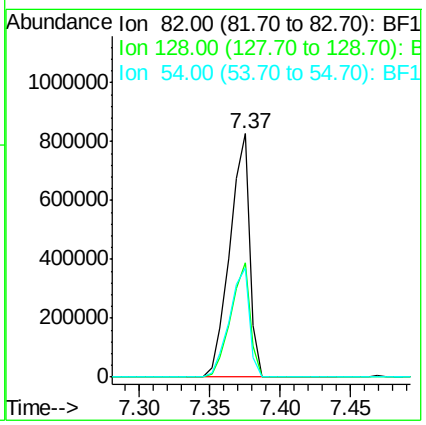


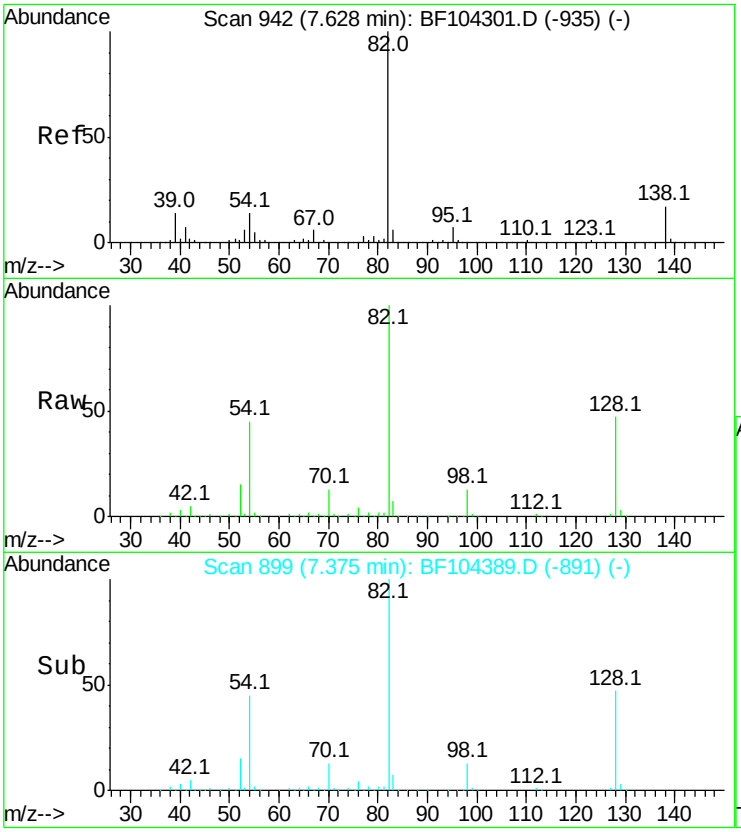




#23
Nitrobenzene-d5
Concen: 107.057 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion: 82 Resp: 806574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 36.1 | 54.1 |
| 54 | 44.8 | 41.4 | 62.2 |



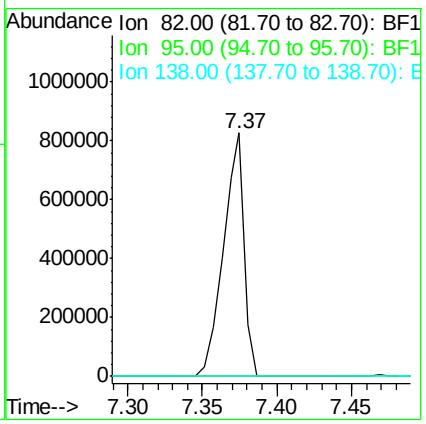


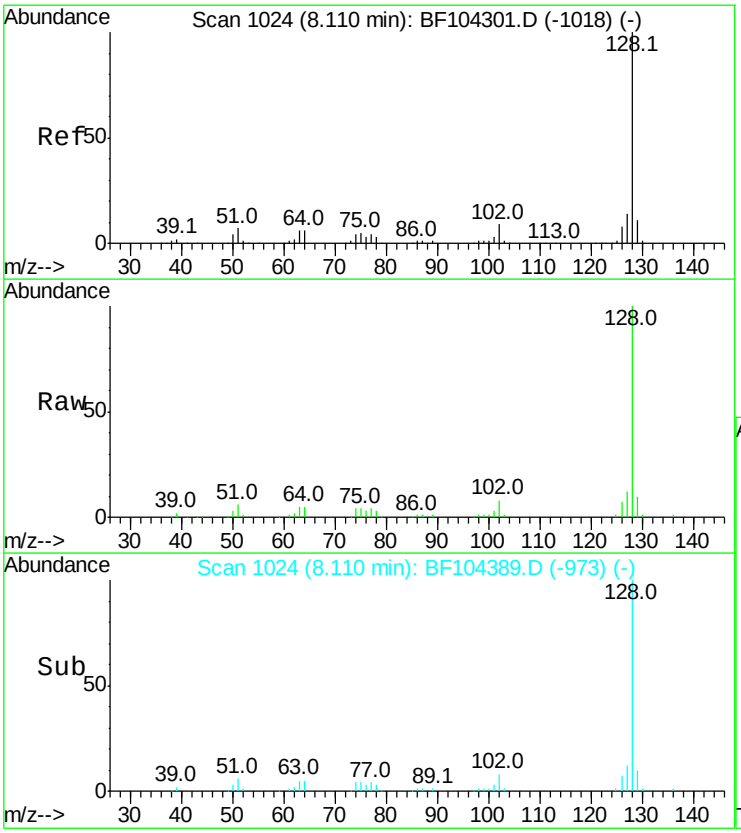

#25
Isophorone
Concen: 50.626 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion: 82 Resp: 806567

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

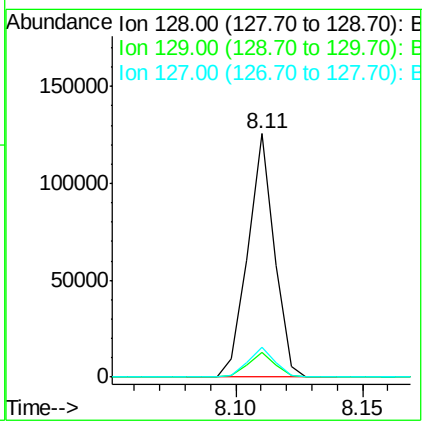


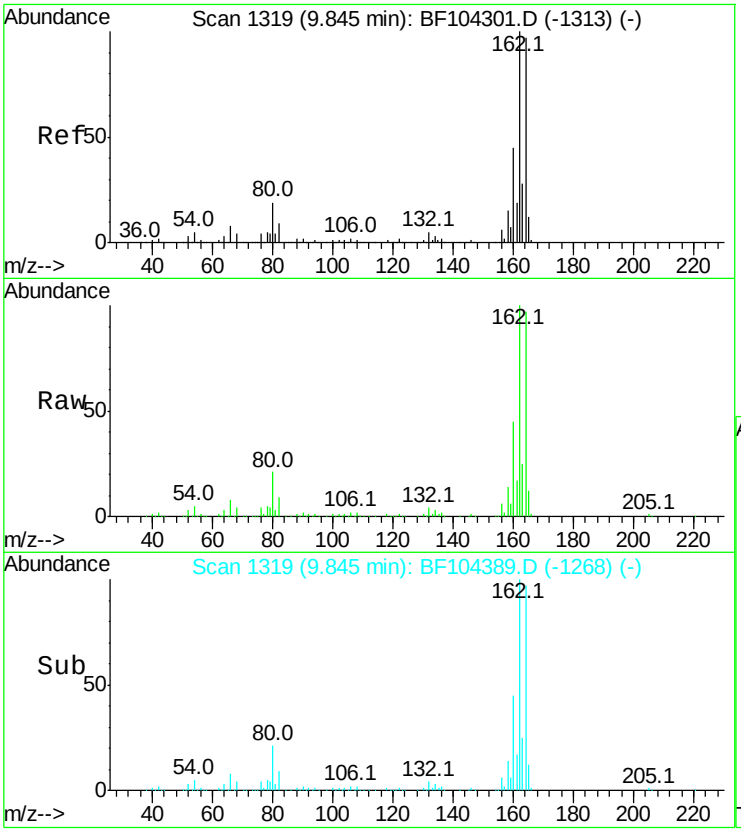




#31
Naphthalene
Concen: 3.746 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:128 Resp: 91775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.0 | 8.8 | 13.2 |
| 127 | 12.5 | 10.9 | 16.3 |



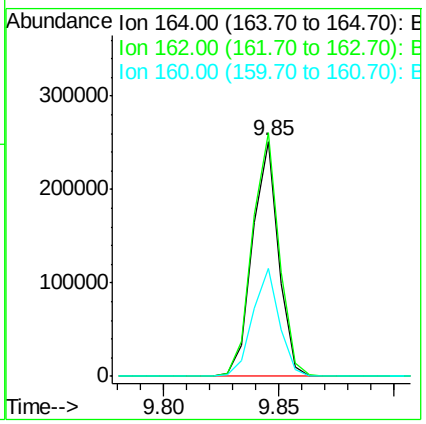


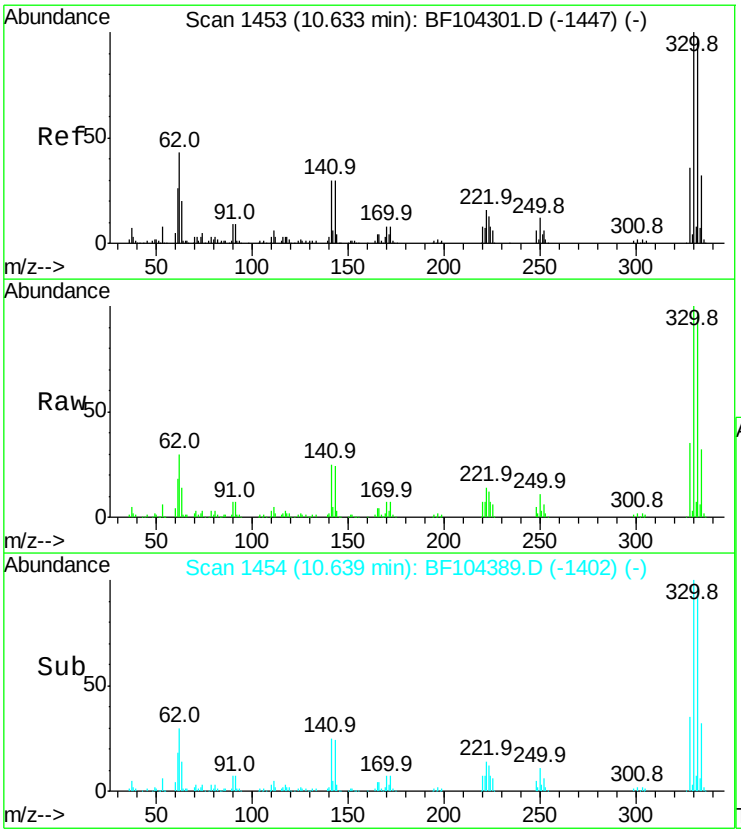

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:164 Resp: 198855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 86.1 | 129.1 |
| 160 | 46.2 | 38.3 | 57.5 |

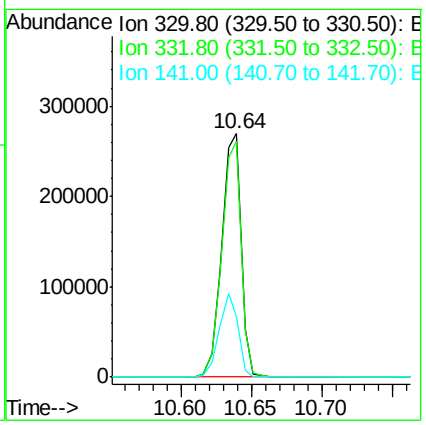


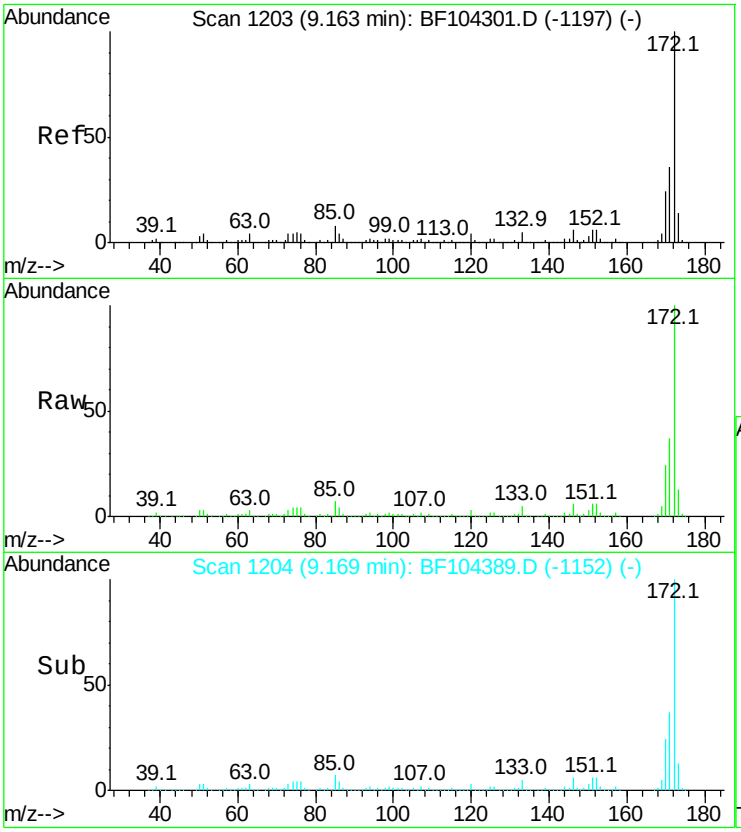




#41
2,4,6-Tribromophenol
Concen: 124.829 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:330 Resp: 257495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.0 | 115.6 |
| 141 | 33.2 | 29.9 | 44.9 |



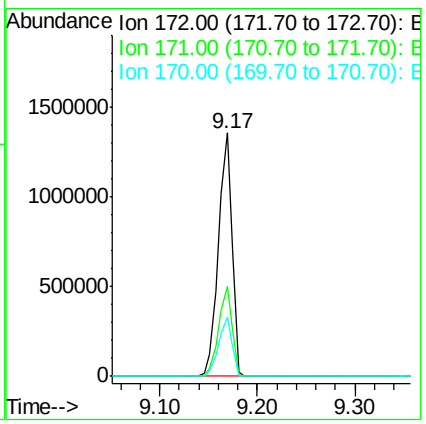


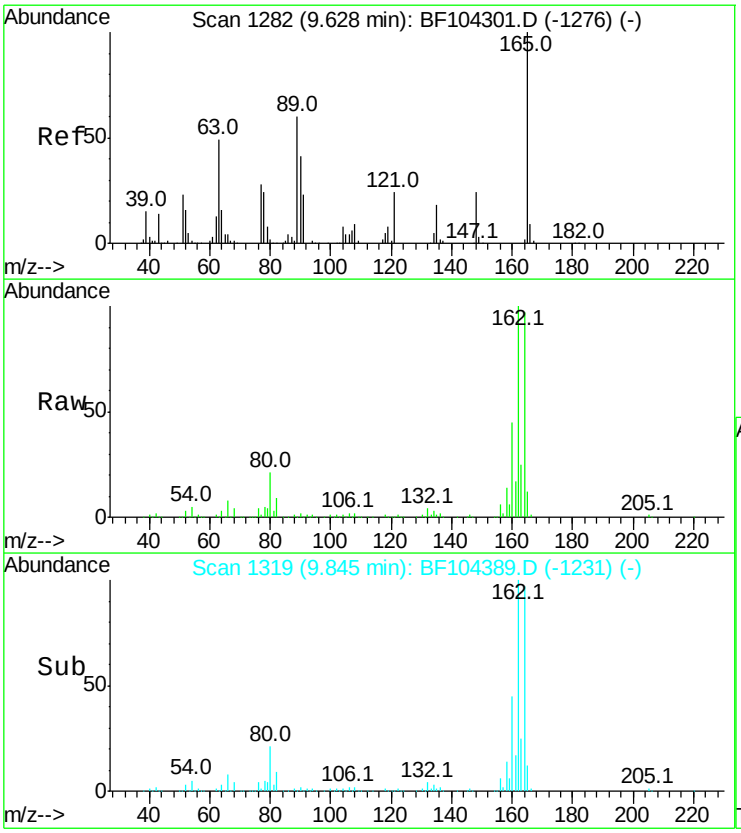

#44
2-Fluorobiphenyl
Concen: 104.601 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:172 Resp: 1316696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.7 | 44.5 |
| 170 | 24.4 | 19.6 | 29.4 |

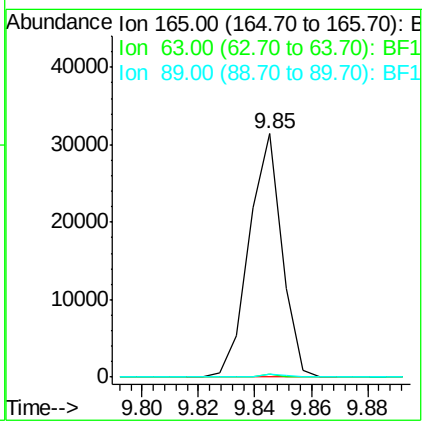


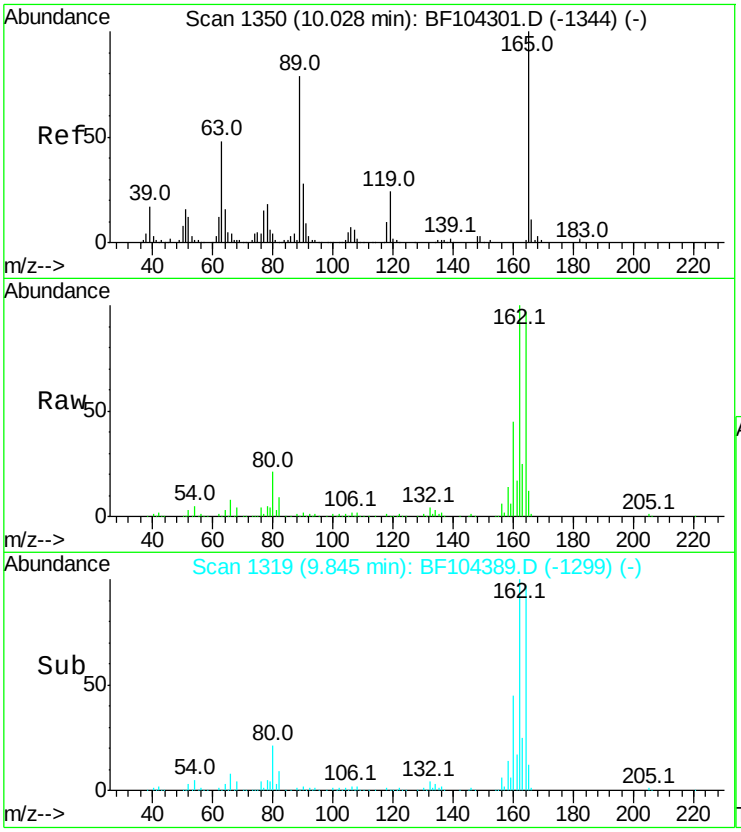




#50
2,6-Dinitrotoluene
Concen: 8.713 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.22 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:165 Resp: 25283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 44.7 | 67.1# |
| 89 | 1.4 | 44.0 | 66.0# |



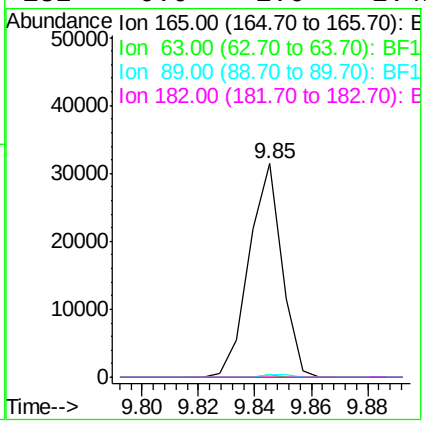


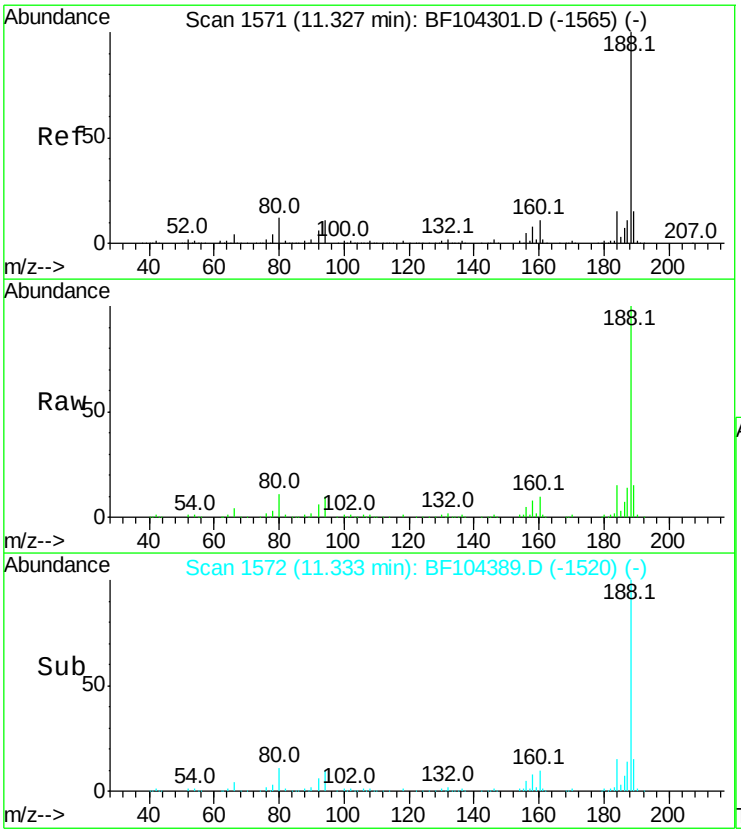

#56
2,4-Dinitrotoluene
Concen: 6.643 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.18 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:165 Resp: 25283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 36.4 | 54.6# |
| 89 | 1.4 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

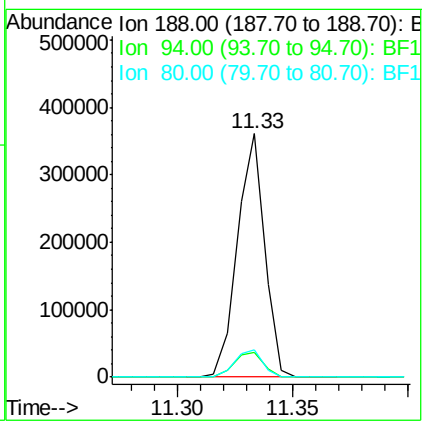


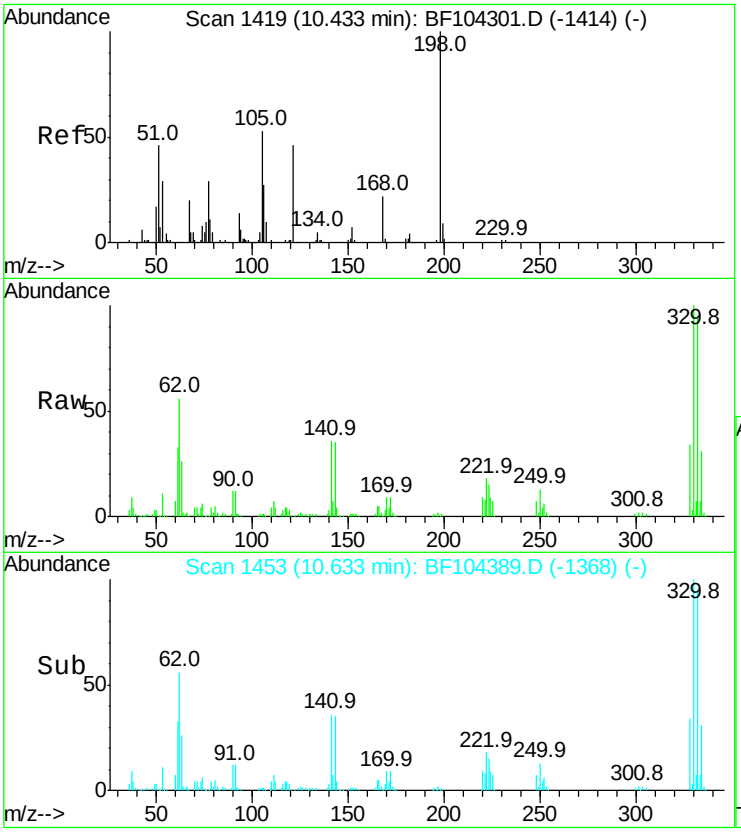




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:188 Resp: 296490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.5 | 12.7 |
| 80 | 11.3 | 9.2 | 13.8 |



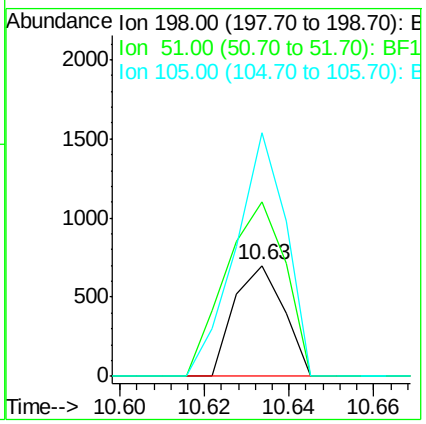


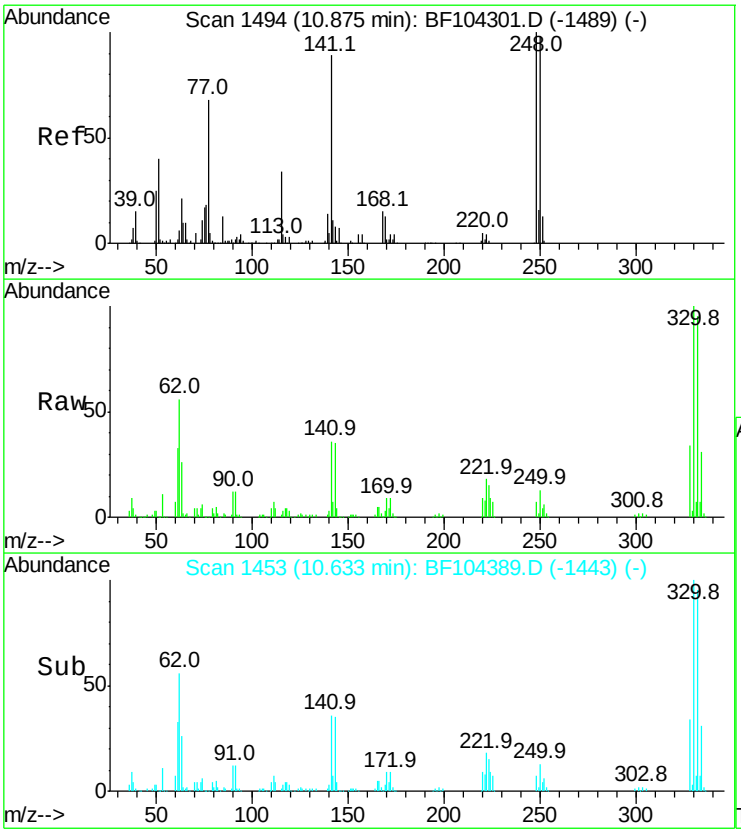

#64
4,6-Dinitro-2-methylphenol
Concen: 7.683 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:198 Resp: 572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 157.4 | 37.7 | 77.7# |
| 105 | 219.1 | 36.3 | 76.3# |

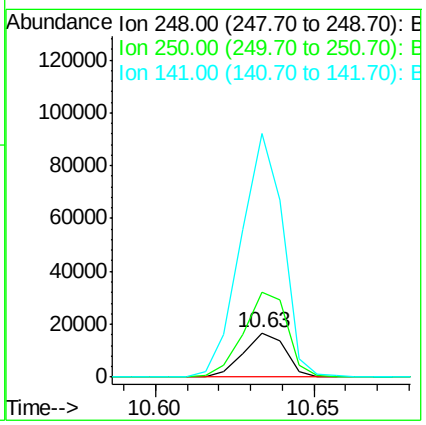


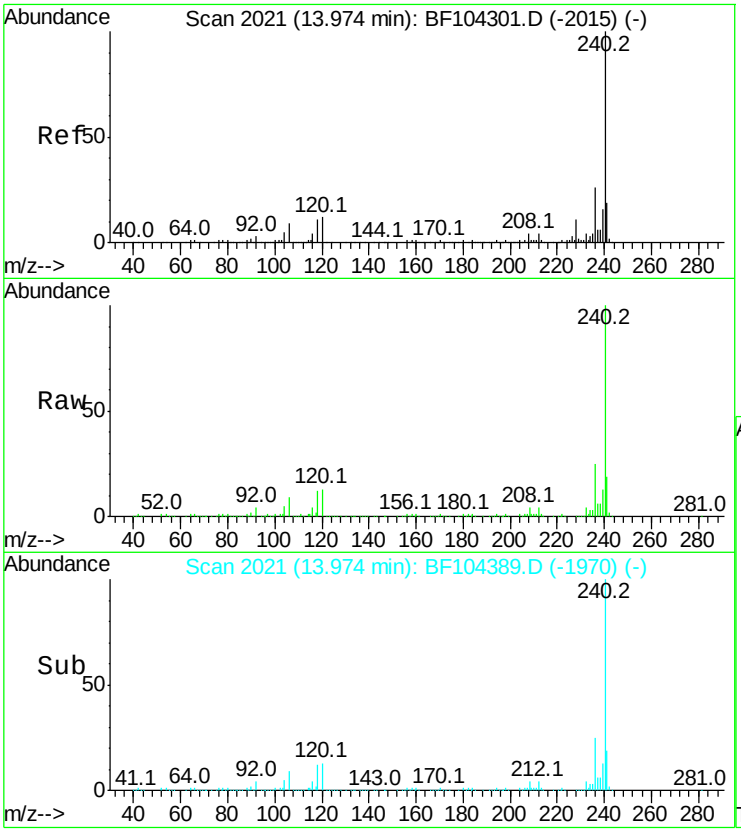




#66
4-Bromophenyl-phenylether
Concen: 4.877 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:248 Resp: 15381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.0 | 76.9 | 115.3# |
| 141 | 550.9 | 74.4 | 111.6# |



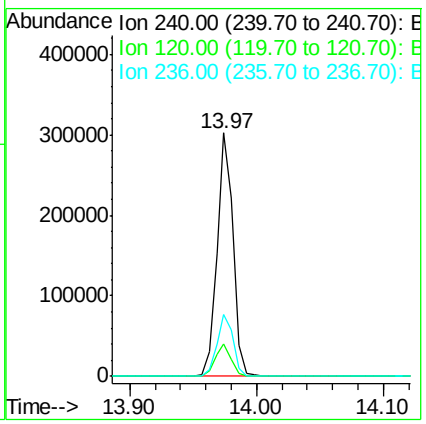


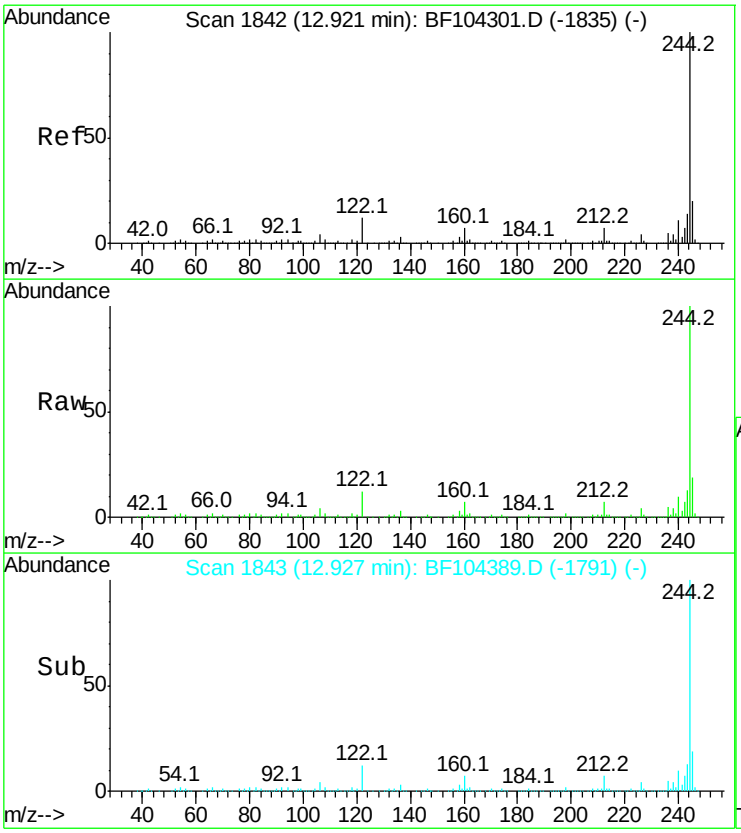

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:240 Resp: 267897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.3 | 9.5 | 14.3 |
| 236 | 25.2 | 20.7 | 31.1 |

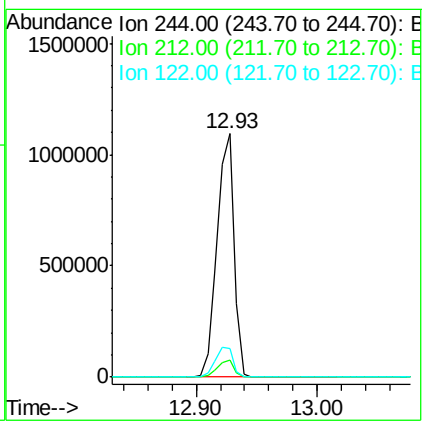


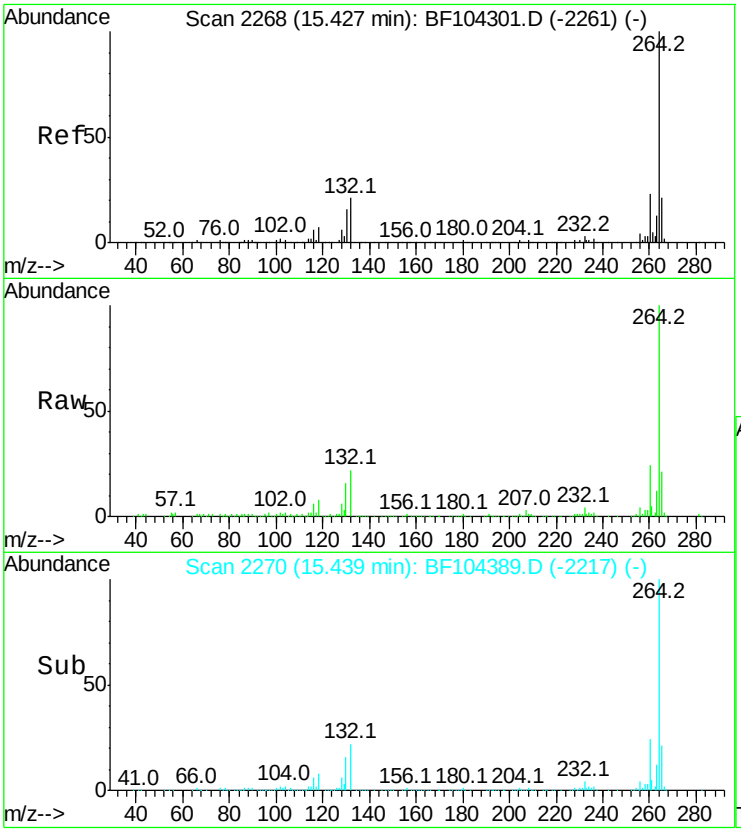




#78
Terphenyl-d14
Concen: 89.773 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:244 Resp: 1054901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 11.8 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

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

Tgt Ion:264 Resp: 197838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 21.5 | 17.5 | 26.3 |