Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101615.D
Acq On : 21 Dec 2017 19:00
Operator : SJ/JU
Sample : I6957-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 22 00:52:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 109687 | 20.00 ng | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 387607 | 20.00 ng | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 141301 | 20.00 ng | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 250709 | 20.00 ng | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 269800 | 20.00 ng | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 219646 | 20.00 ng | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 598683 | 81.30 ng | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 684959 | 74.74 ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 406308 | 58.35 ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 99507 | 73.08 ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 644833 | 70.79 ng | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 586470 | 52.40 ng | 0.00 |

| Target Compounds | R.T. | QIon | Response | Conc Units | | Qvalue |
|---|---|---|---|---|---|---|
| 25) Isophorone | 7.36 | 82 | 406308 | 29.088 ng | # | 65 |
| 32) Benzoic acid | 7.91 | 122 | 1324 | 8.252 ng | # | 65 |
| 49) Dimethylphthalate | 9.55 | 163 | 36077 | 3.174 ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 18044 | 7.811 ng | # | 26 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 18044 | 6.933 ng | # | 24 |
| 66) 4-Bromophenyl-phenylether | 10.63 | 248 | 6577 | 2.335 ng | # | 1 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 47554 | 2.938 ng | | 100 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 29760 | 3.248 ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 13.93 | 149 | 109407 | 9.428 ng | | 99 |

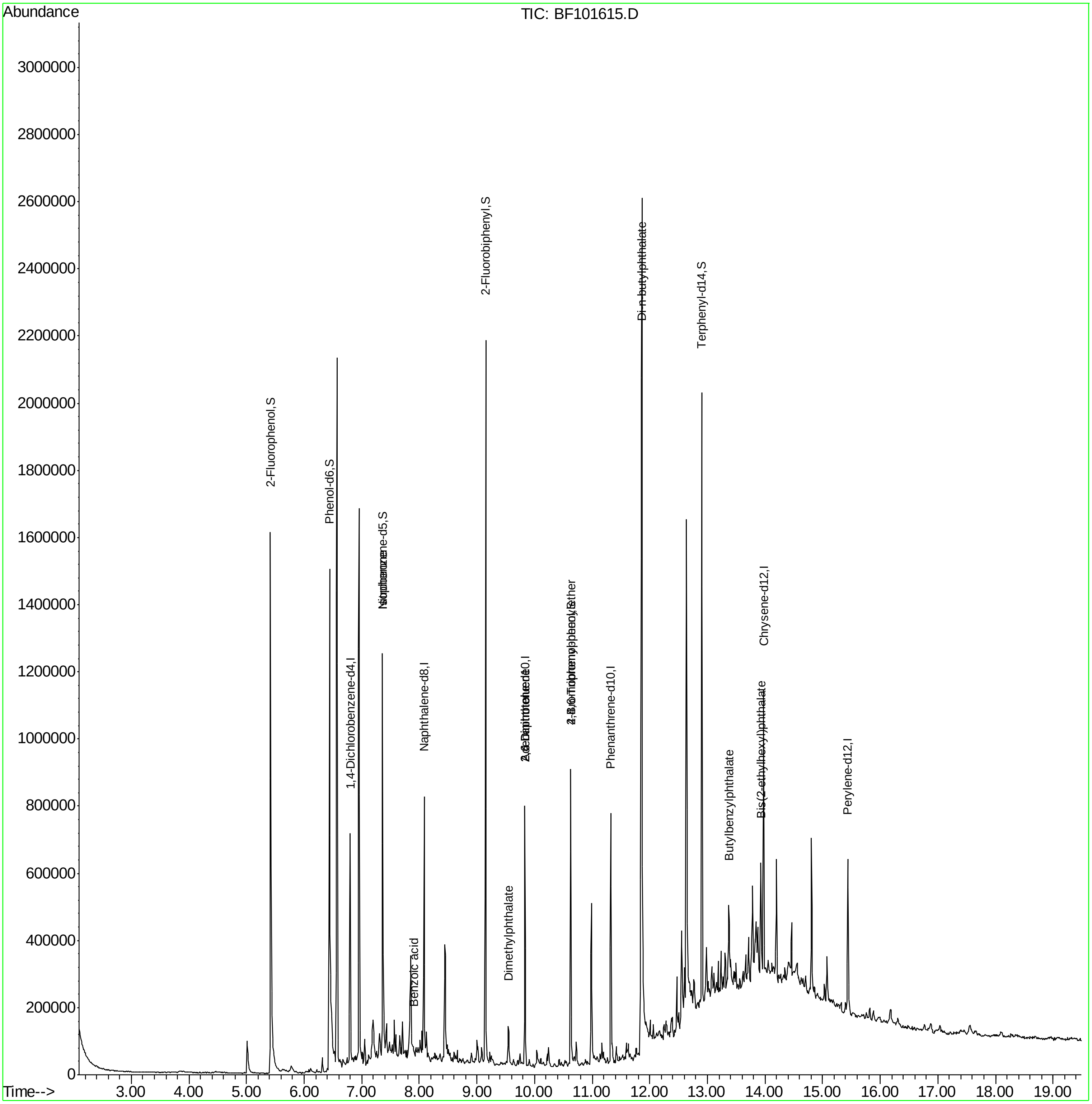
(#) = qualifier out of range (m) = manual integration (+) = signals summed

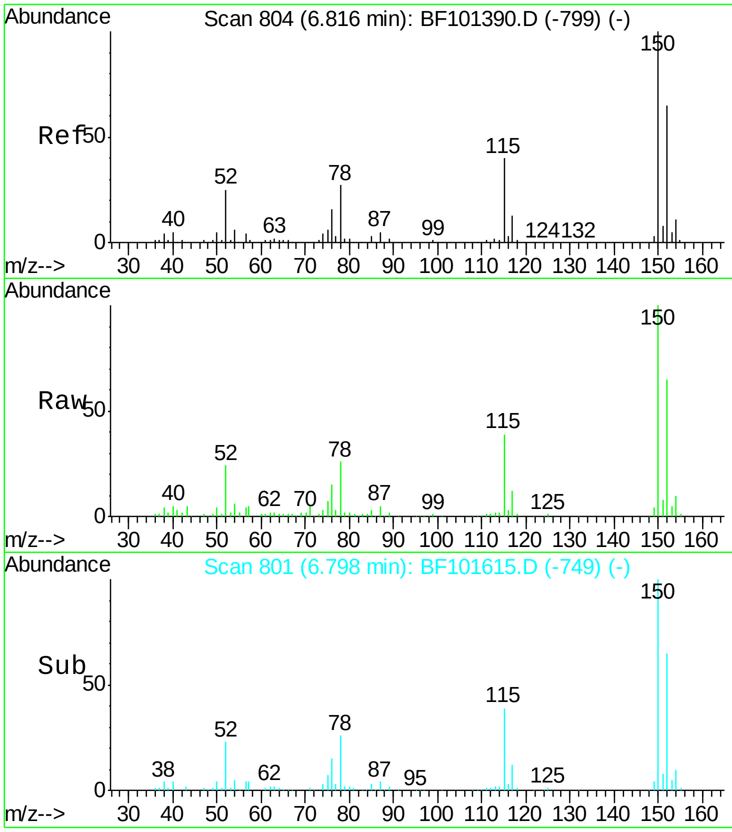
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101615.D
Acq On : 21 Dec 2017 19:00
Operator : SJ/JU
Sample : I6957-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 22 00:52:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration



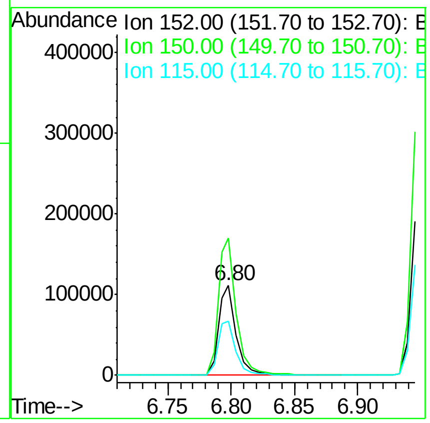


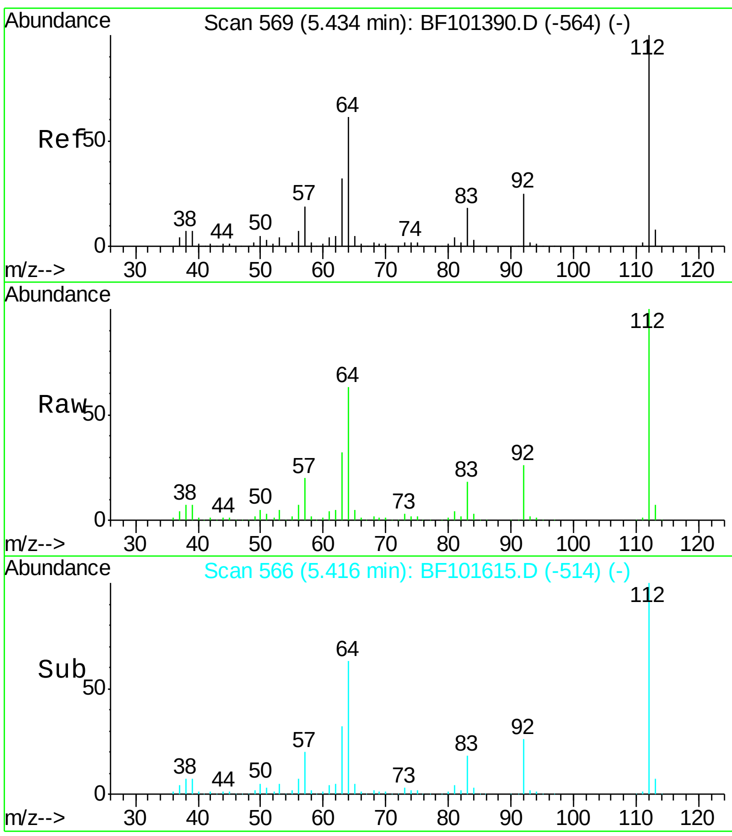

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

Tgt Ion:152 Resp: 109687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.1 | 124.6 | 186.8 |
| 115 | 60.4 | 50.1 | 75.1 |

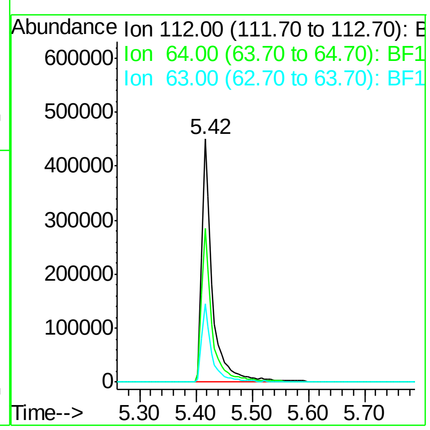


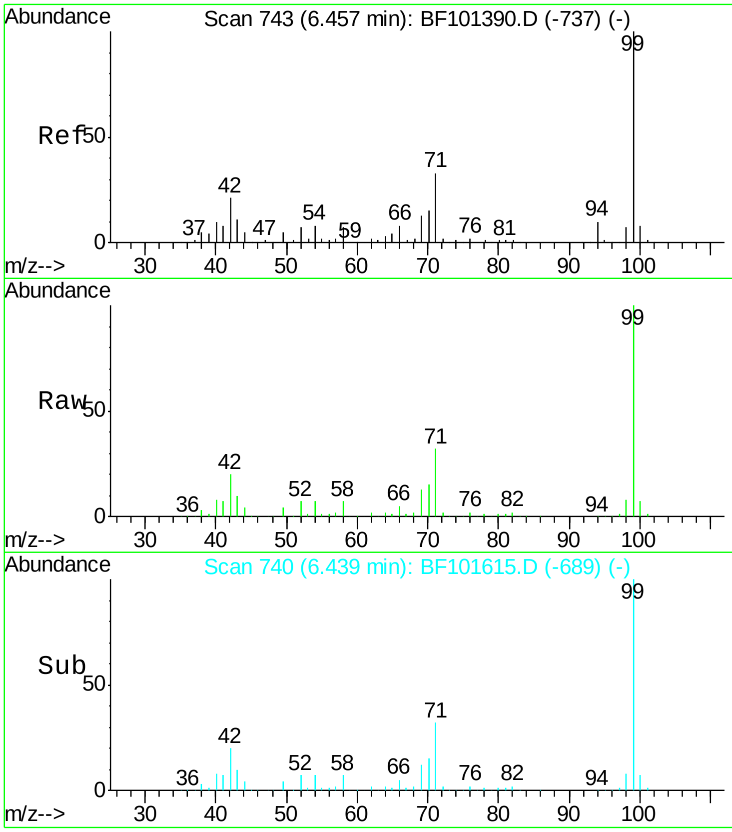




#5
2-Fluorophenol
Concen: 81.303 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:112 Resp: 598683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 47.9 | 71.9 |
| 63 | 32.4 | 23.7 | 35.5 |



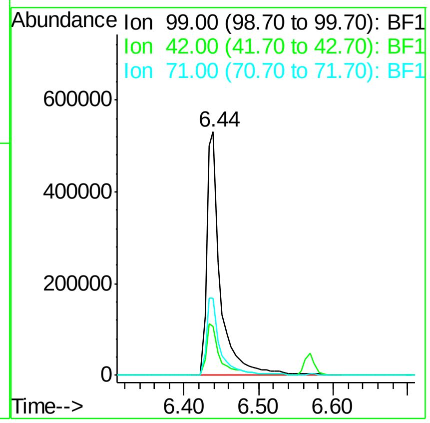


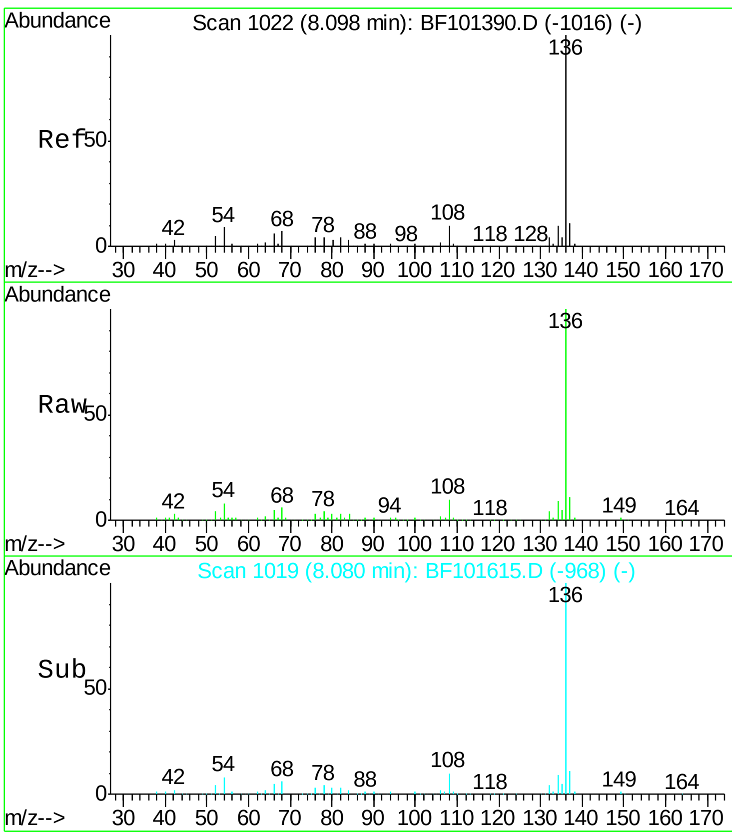

#7
Phenol-d6
Concen:    74.742 ng
RT: 6.44 min   Scan# 740
Delta R.T.    -0.00 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

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

Tgt Ion: 99 Resp:   684959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.0 | 14.5 | 21.7 |
| 71 | 31.9 | 25.4 | 38.0 |

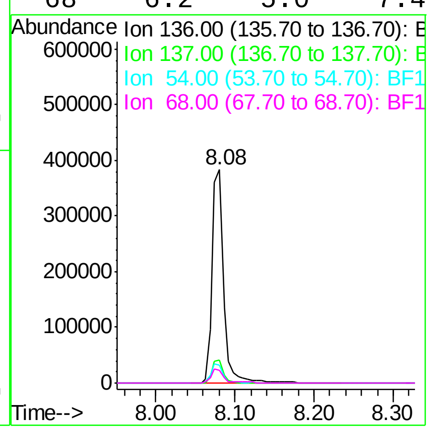


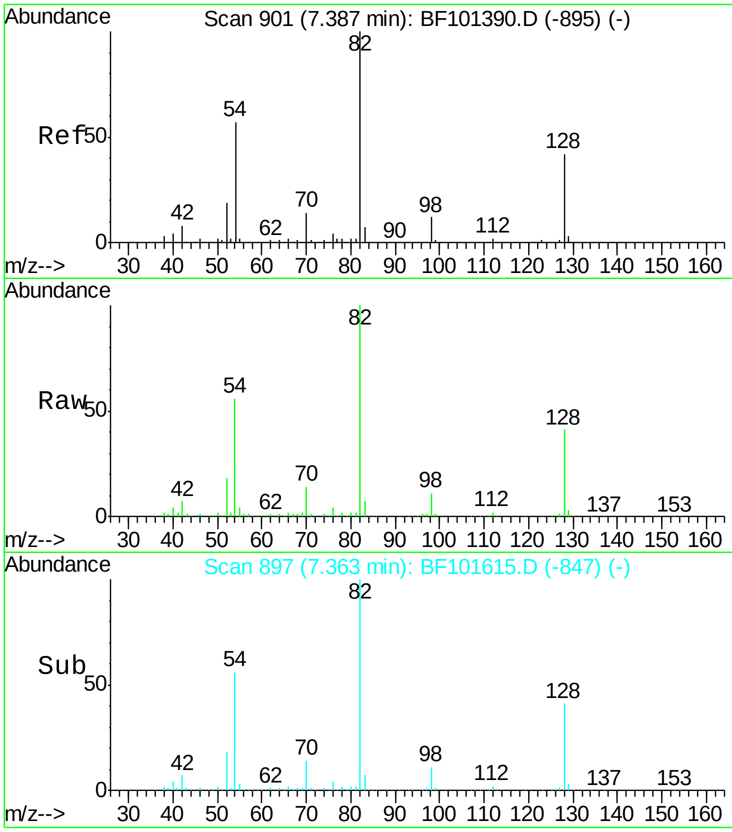

#21
Naphthalene-d8
Concen:    20.000 ng
RT: 8.08 min   Scan# 1019
Delta R.T.    -0.00 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

Tgt Ion:136 Resp:   387607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 8.3 | 6.6 | 9.8 |
| 68 | 6.2 | 5.0 | 7.4 |



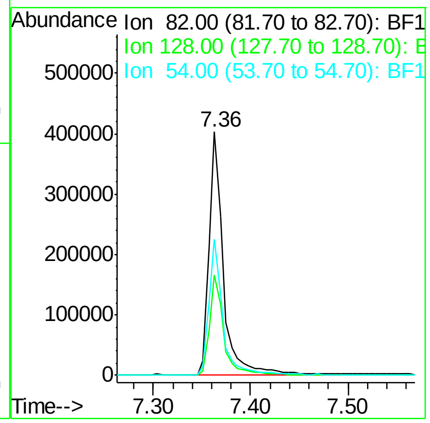
**Instrument :**
BNA_F
**ClientSampleId :**

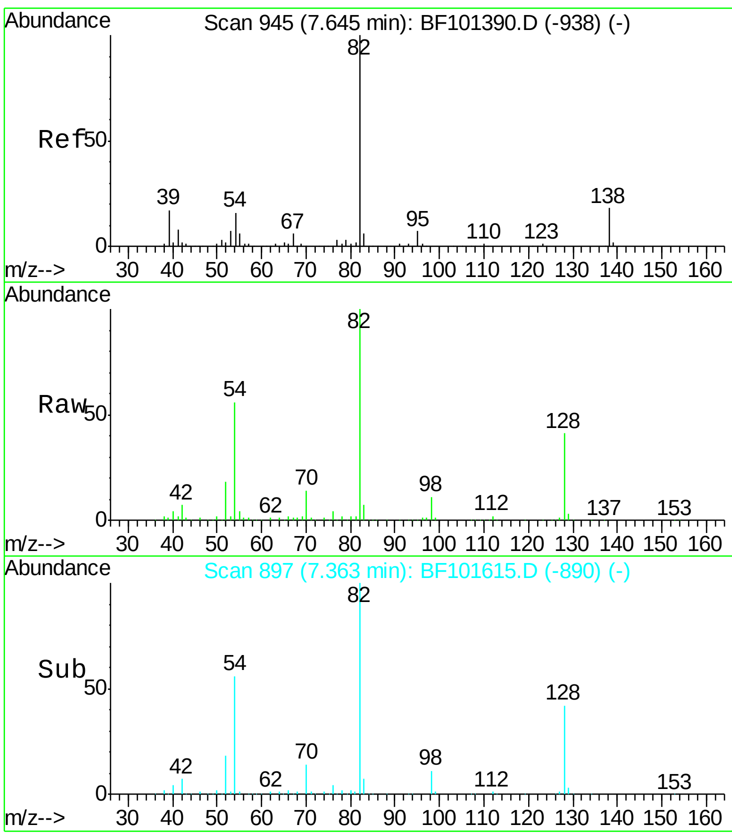



#23
Nitrobenzene-d5
Concen: 58.352 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion: 82 Resp: 406308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.4 | 36.1 | 54.1 |
| 54 | 55.9 | 41.4 | 62.2 |

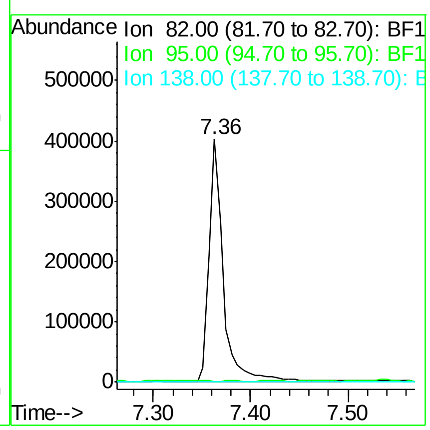


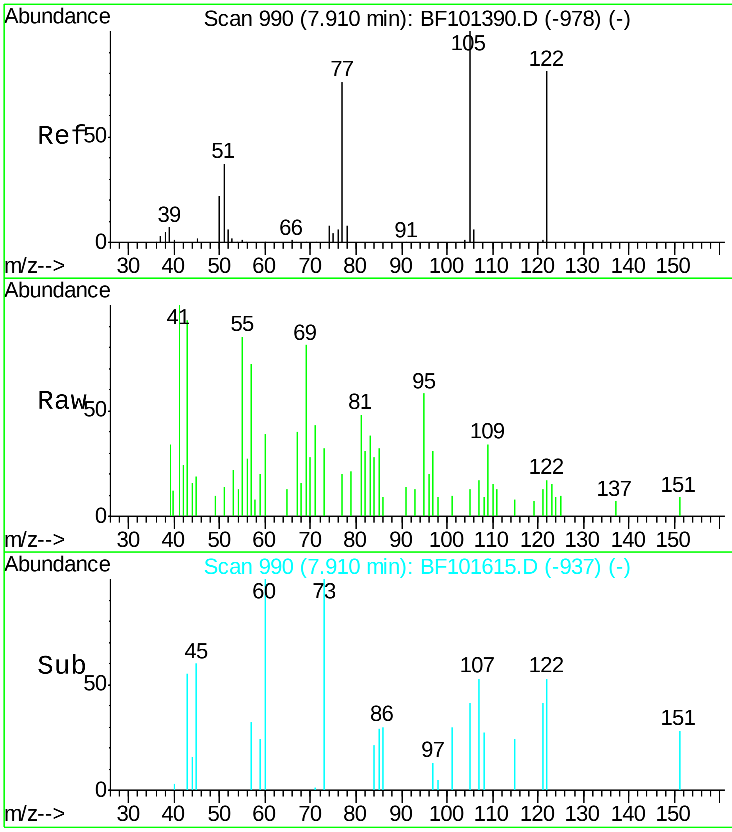




#25
Isophorone
Concen: 29.088 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion: 82 Resp: 406308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.4 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

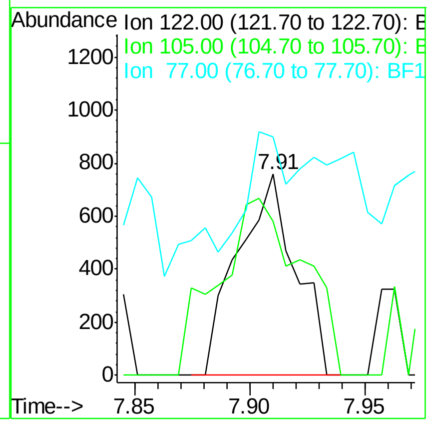


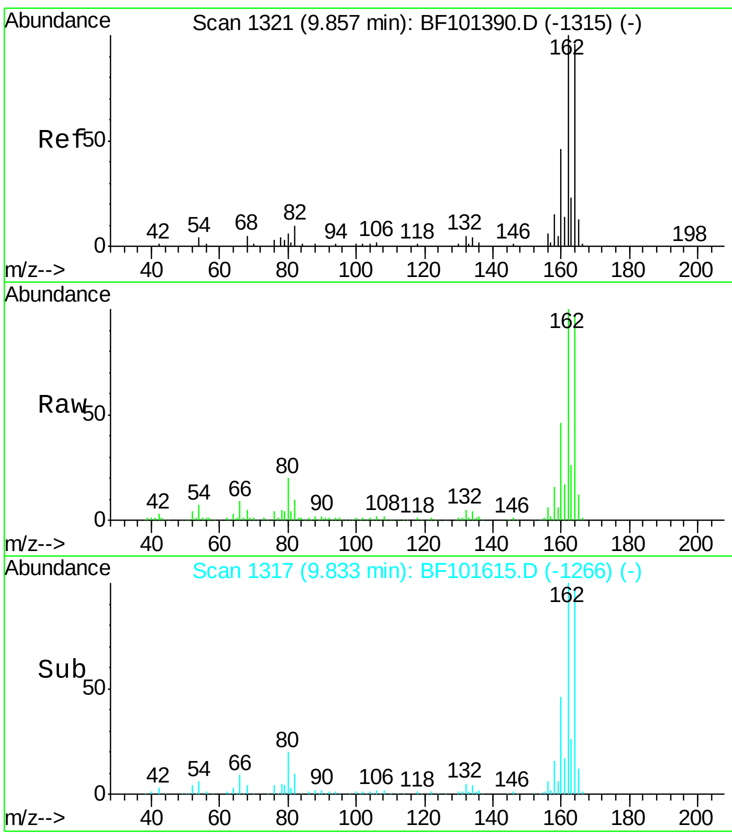



```
#32
Benzoic acid
Concen:      8.252 ng
RT: 7.91 min   Scan# 990
Delta R.T.    0.01 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

Tgt Ion:122 Resp:     1324
Ion  Ratio  Lower  Upper
122  100
105   76.6  101.1  141.1#
 77  118.5   70.7  110.7#
```

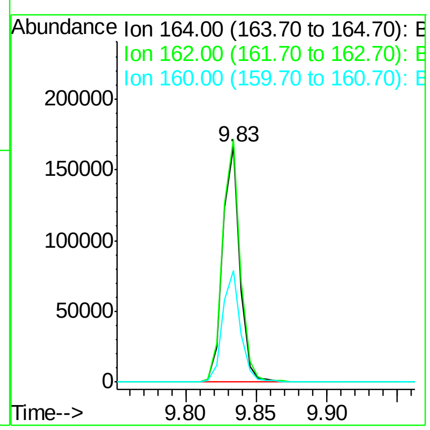
**Instrument :**
BNA_F
**ClientSampleId :**

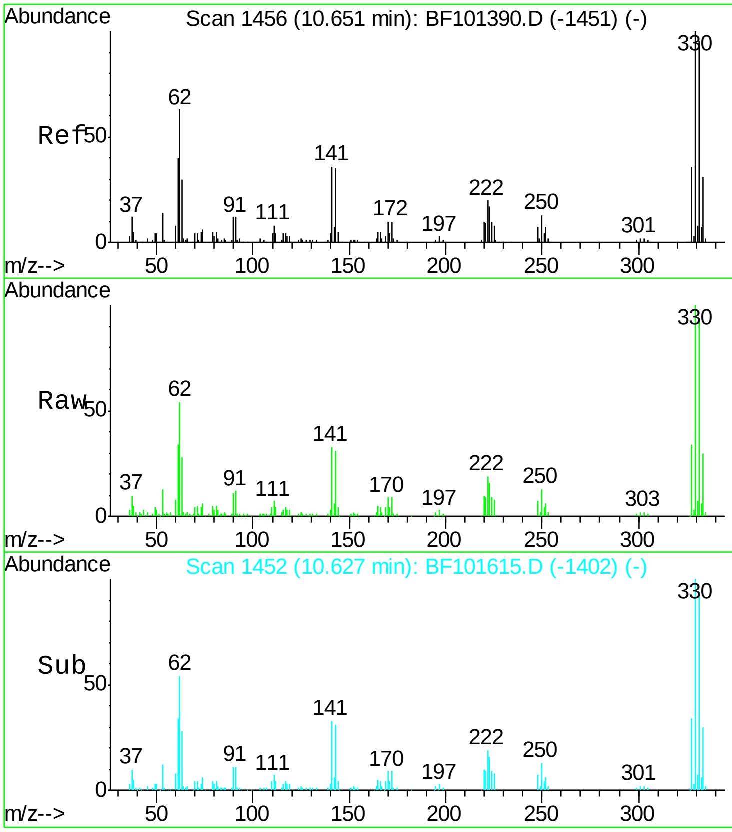



```
#38
Acenaphthene-d10
Concen:    20.000 ng
RT: 9.83 min   Scan# 1317
Delta R.T.    -0.00 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

Tgt Ion:164 Resp:   141301
Ion  Ratio  Lower  Upper
164  100
162  103.4   86.1  129.1
160   47.7   38.3   57.5
```



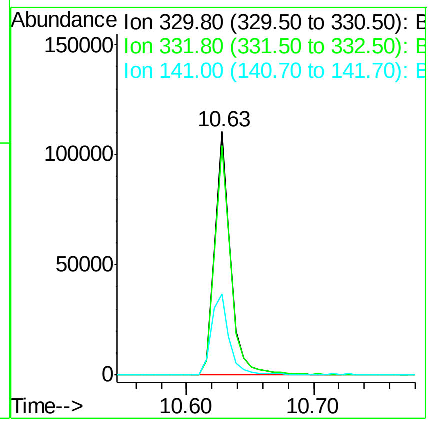


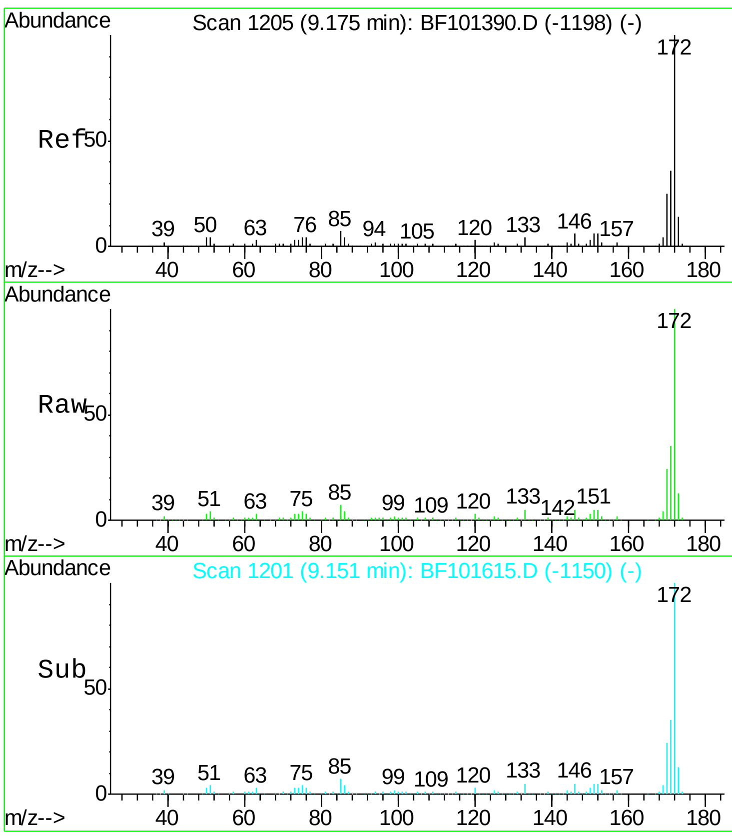

#41
2,4,6-Tribromophenol
Concen:   73.084 ng
RT: 10.63 min   Scan# 1452
Delta R.T.   -0.01 min
Lab File:   BF101615.D
Acq: 21 Dec 2017   19:00

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

Tgt Ion:330 Resp:   99507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.0 | 115.6 |
| 141 | 37.6 | 29.9 | 44.9 |

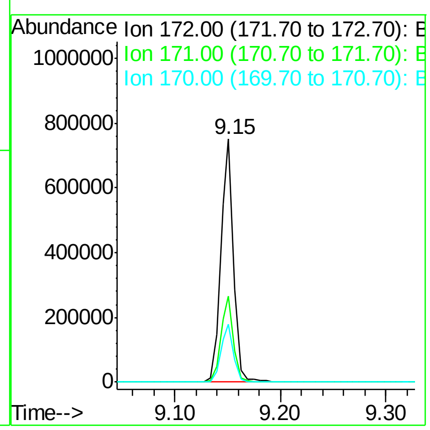


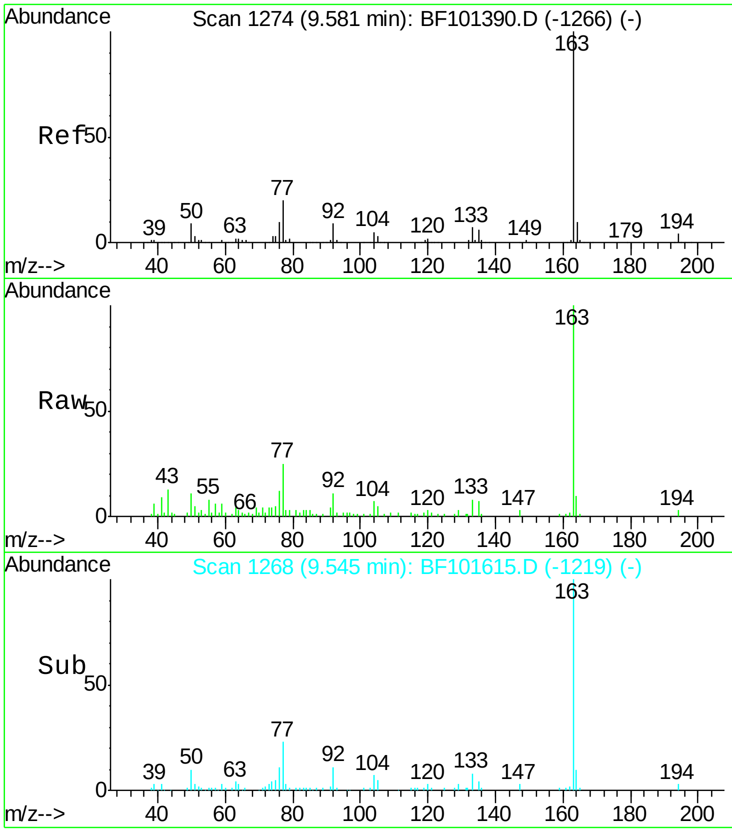




#44
2-Fluorobiphenyl
Concen:   70.792 ng
RT: 9.15 min   Scan# 1201
Delta R.T.   -0.00 min
Lab File:   BF101615.D
Acq: 21 Dec 2017   19:00

Tgt Ion:172 Resp:   644833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.7 | 44.5 |
| 170 | 24.0 | 19.6 | 29.4 |

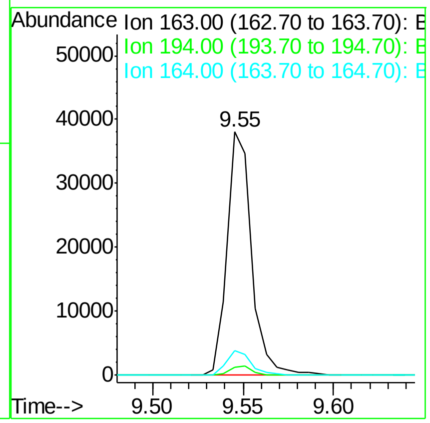


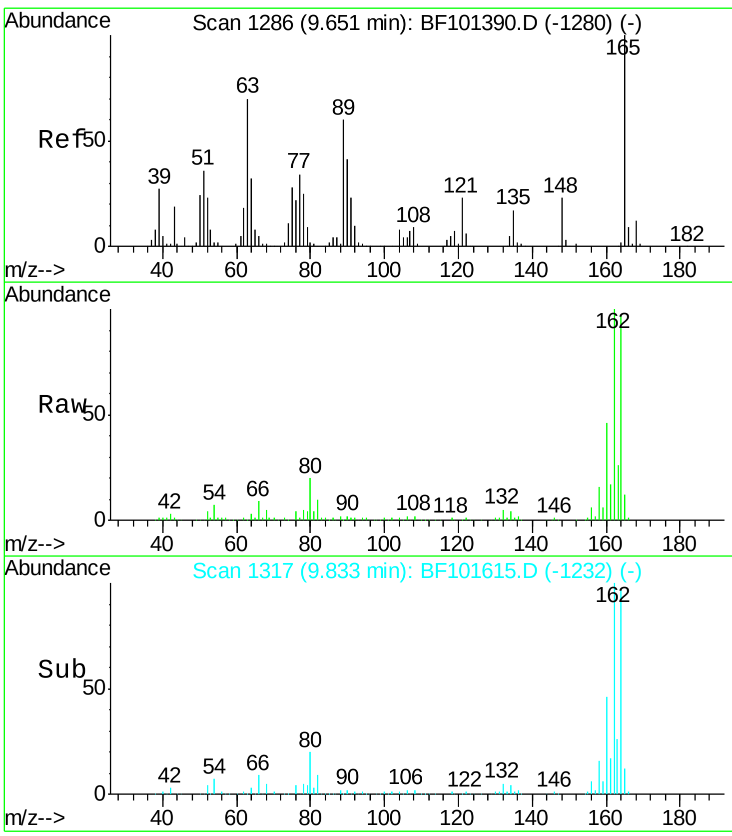



#49
Dimethylphthalate
Concen: 3.174 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

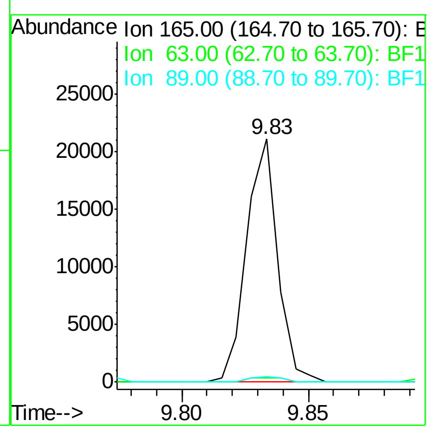
| Tgt Ion:163 | Resp: | 36077 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 163 | 100 | | |
| 194 | 3.4 | 2.7 | 4.1 |
| 164 | 10.2 | 8.2 | 12.2 |

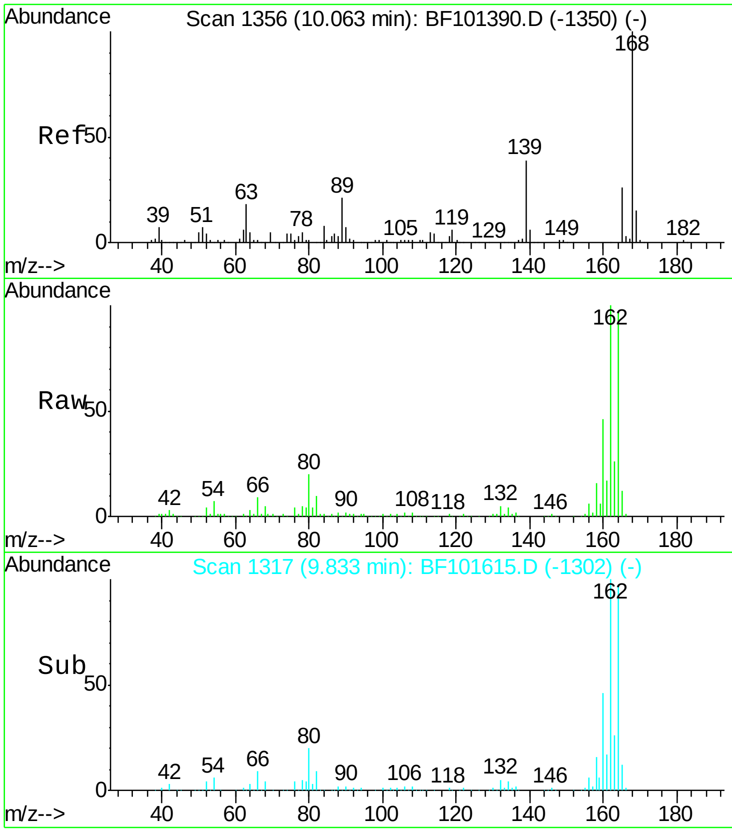


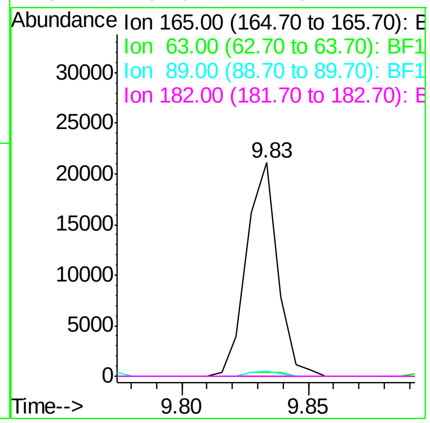




#50
2,6-Dinitrotoluene
Concen: 7.811 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

| Tgt Ion:165 | Resp: | 18044 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 165 | 100 | | |
| 63 | 2.0 | 44.7 | 67.1# |
| 89 | 2.1 | 44.0 | 66.0# |





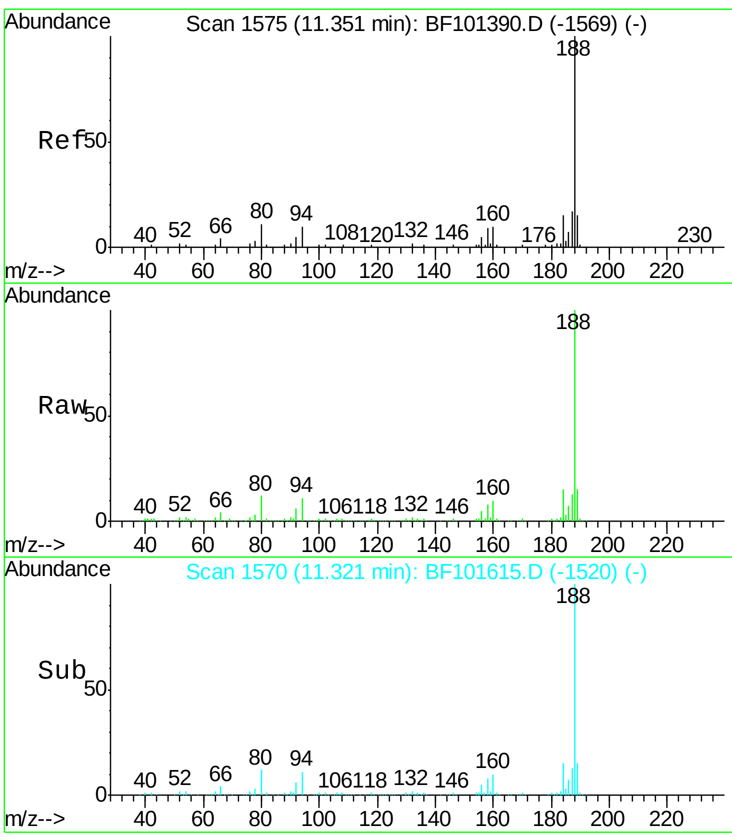



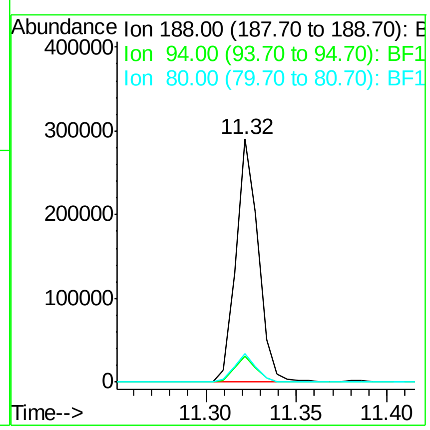

#56
2,4-Dinitrotoluene
Concen: 6.933 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

Tgt Ion:165 Resp: 18044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 36.4 | 54.6# |
| 89 | 2.1 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

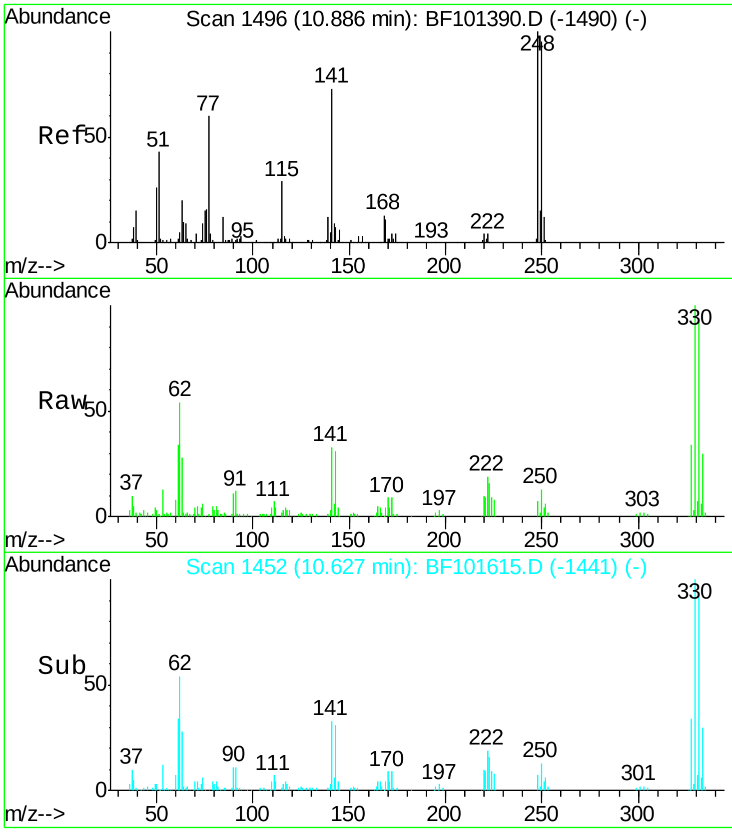



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:188 Resp: 250709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 8.5 | 12.7 |
| 80 | 11.8 | 9.2 | 13.8 |

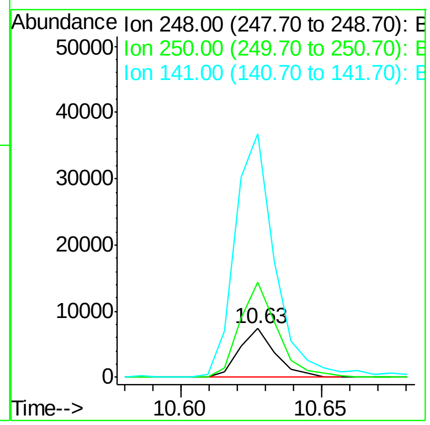


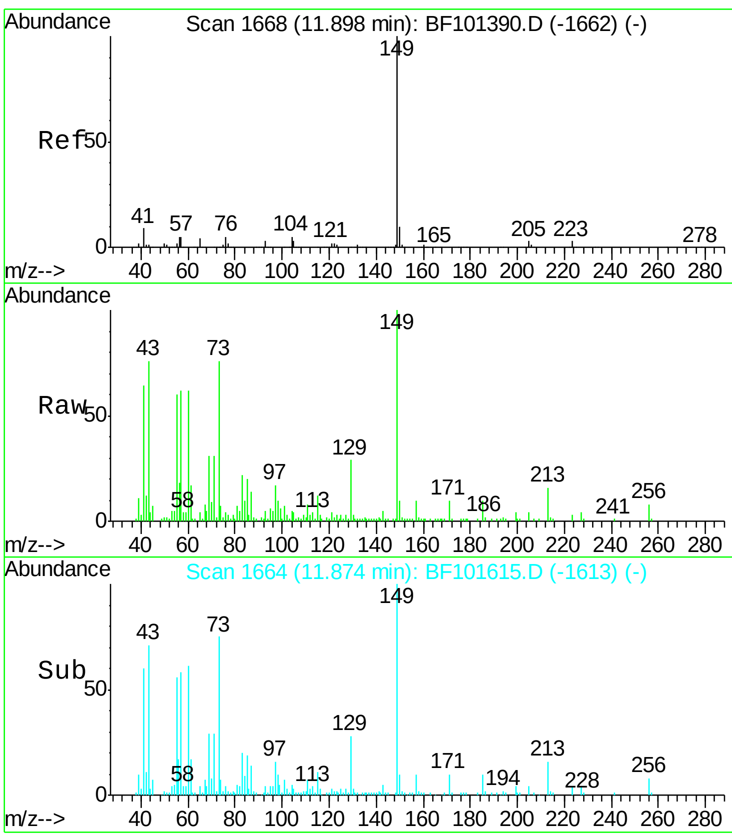

#66
4-Bromophenyl-phenylether
Concen: 2.335 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

Tgt Ion:248 Resp: 6577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.3 | 76.9 | 115.3# |
| 141 | 502.3 | 74.4 | 111.6# |

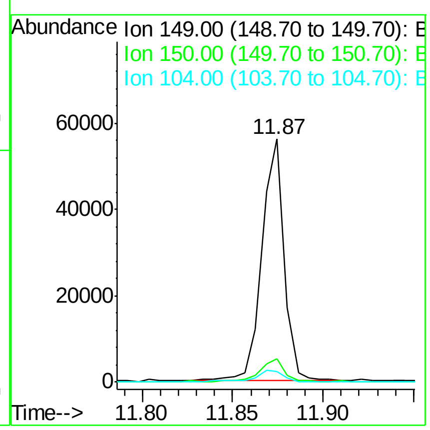


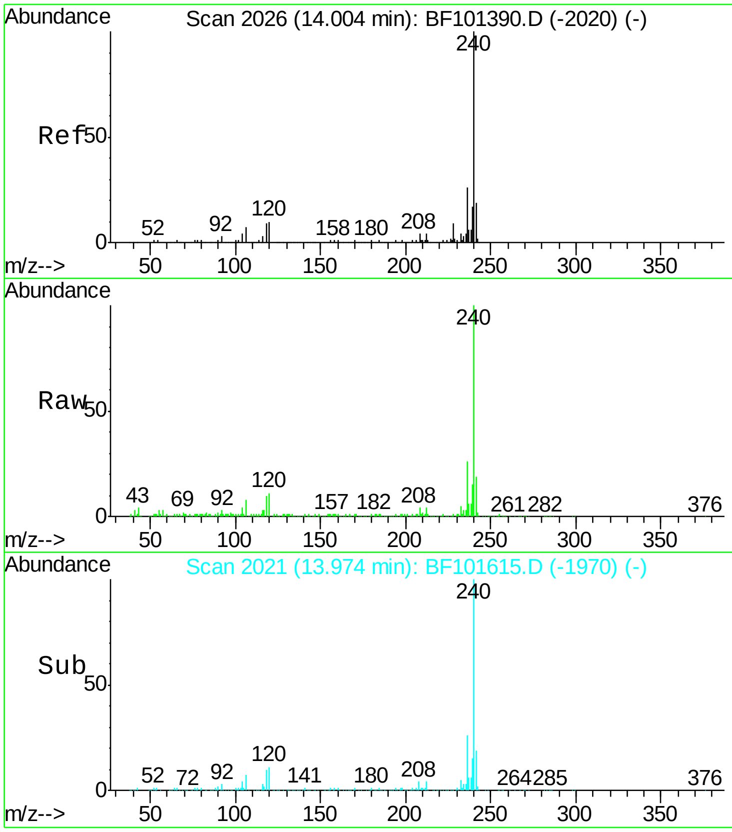




#73
Di-n-butylphthalate
Concen: 2.938 ng
RT: 11.87 min Scan# 1664
Delta R.T. -0.00 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:149 Resp: 47554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.8 | 7.8 | 11.6 |
| 104 | 4.6 | 3.8 | 5.8 |



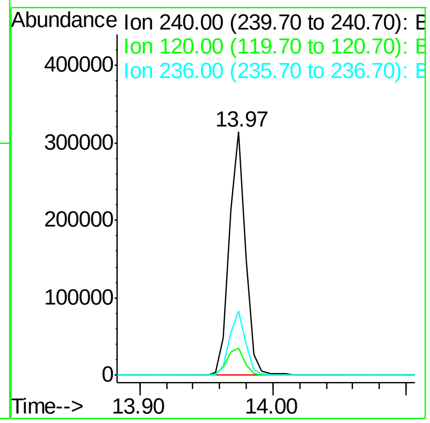


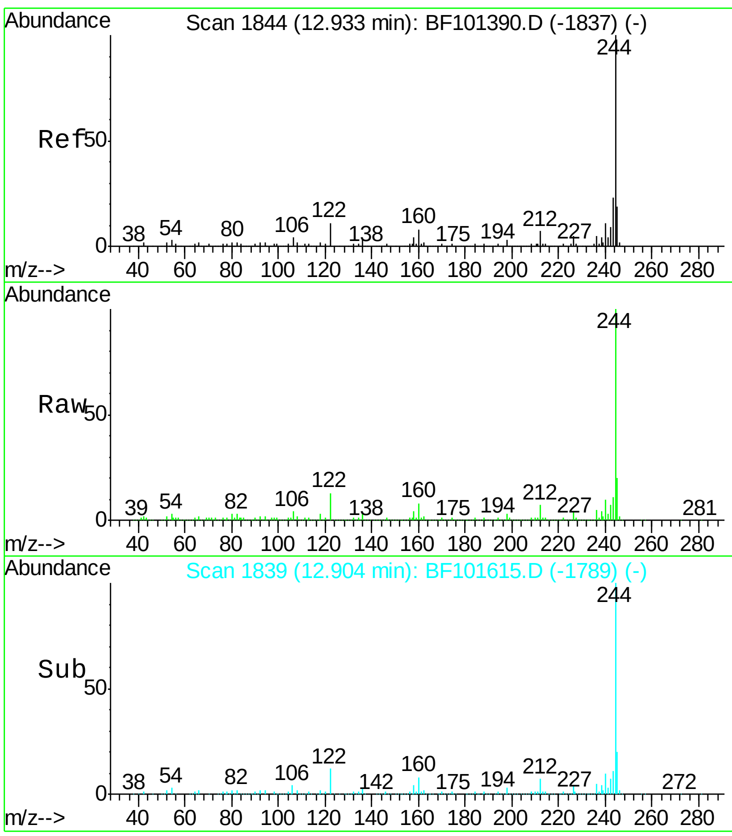

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

Tgt Ion:240 Resp: 269800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.5 | 14.3 |
| 236 | 26.4 | 20.7 | 31.1 |

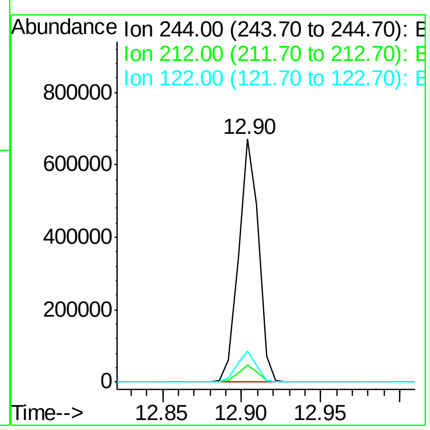


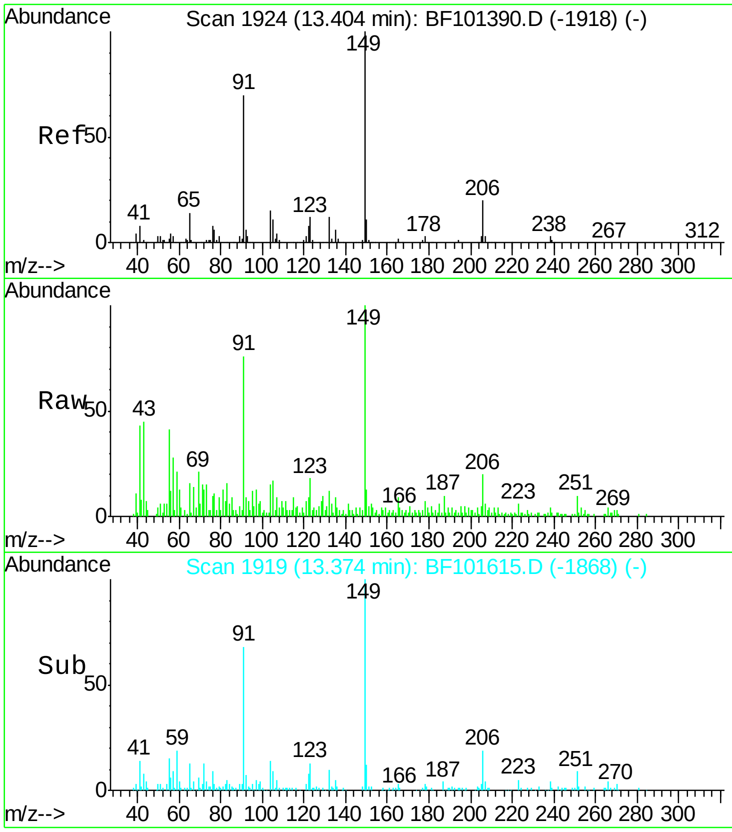




#78
Terphenyl-d14
Concen: 52.403 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:244 Resp: 586470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 12.6 | 11.0 | 16.4 |

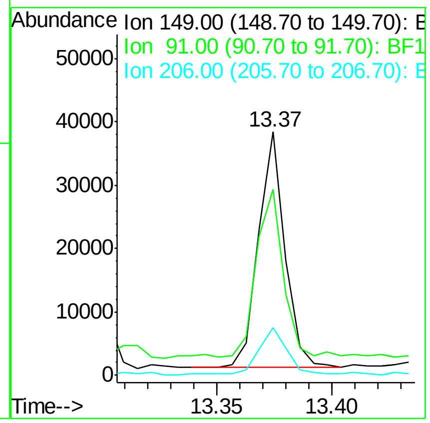


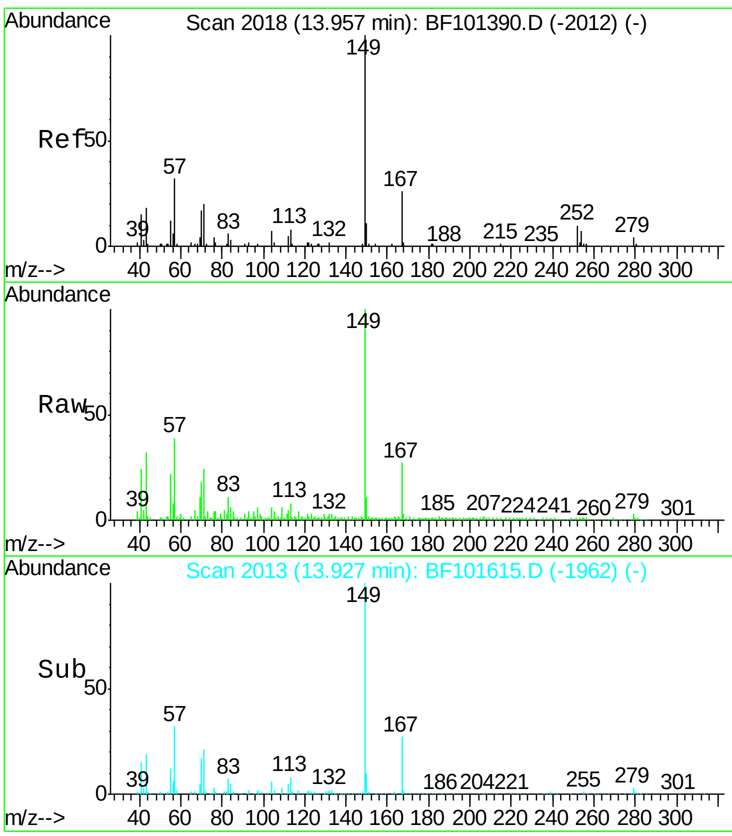



#79
Butylbenzylphthalate
Concen:    3.248 ng
RT: 13.37 min   Scan# 1919
Delta R.T.    -0.00 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

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

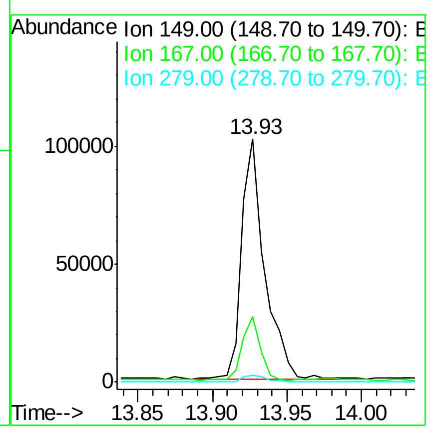
| Tgt Ion:149 | Resp: | | 29760 |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 149 | 100 | | |
| 91 | 76.5 | 56.8 | 85.2 |
| 206 | 19.8 | 14.1 | 21.1 |

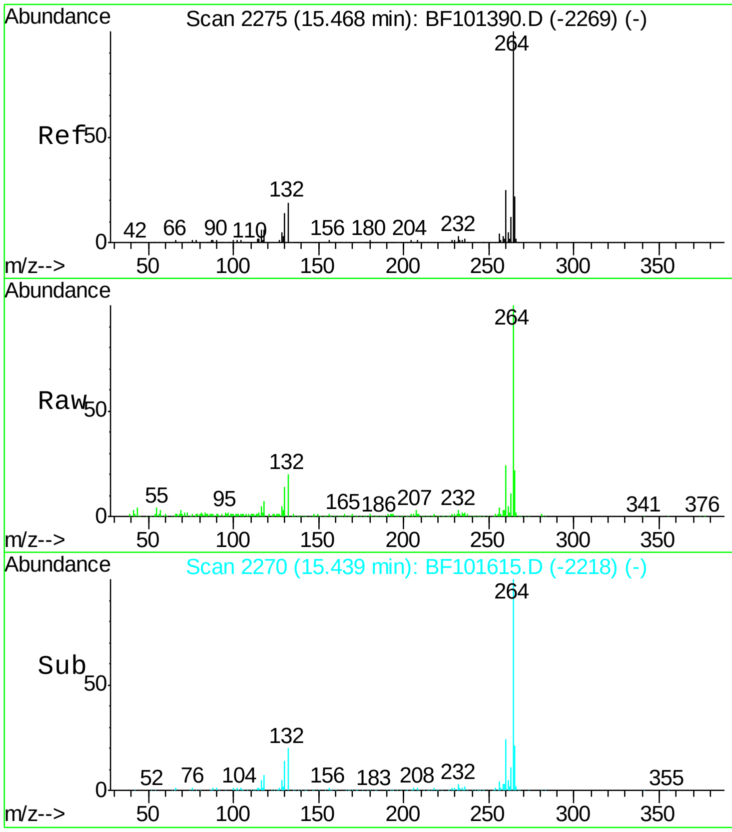



#83
Bis(2-ethylhexyl)phthalate
Concen:    9.428 ng
RT: 13.93 min   Scan# 2013
Delta R.T.    -0.00 min
Lab File:    BF101615.D
Acq: 21 Dec 2017   19:00

| Tgt Ion:149 | Resp: | | 109407 |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 149 | 100 | | |
| 167 | 26.9 | 21.3 | 31.9 |
| 279 | 3.0 | 3.0 | 4.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

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

Tgt Ion:264 Resp: 219646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 21.5 | 17.5 | 26.3 |