Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103822.D
Acq On : 21 Mar 2018 00:06
Operator : JU/SJ
Sample : J1981-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 21 01:01:48 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 166705 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 641935 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 304814 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 424902 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.16 | 240 | 298317 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.70 | 264 | 250218 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 1065288 | 97.20 | ng | | 0.02 |
| 7) Phenol-d6 | 6.59 | 99 | 1206590 | 89.98 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 733529 | 79.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 244159 | 93.16 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.33 | 172 | 1284287 | 67.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.09 | 244 | 877929 | 68.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.74 | 77 | 20780 | 2.359 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.53 | 70 | 94468 | 10.993 | ng | # | 72 |
| 25) Isophorone | 7.53 | 82 | 733521 | 34.422 | ng | # | 64 |
| 47) 2-Nitroaniline | 9.72 | 65 | 1437 | 7.048 | ng | # | 1 |
| 49) Dimethylphthalate | 9.72 | 163 | 171616 | 7.380 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.72 | 165 | 1767 | 4.344 | ng | # | 5 |
| 56) 2,4-Dinitrotoluene | 10.02 | 165 | 37915 | 12.005 | ng | # | 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198 | 545 | 8.501 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 14188 | 3.252 | ng | # | 1 |

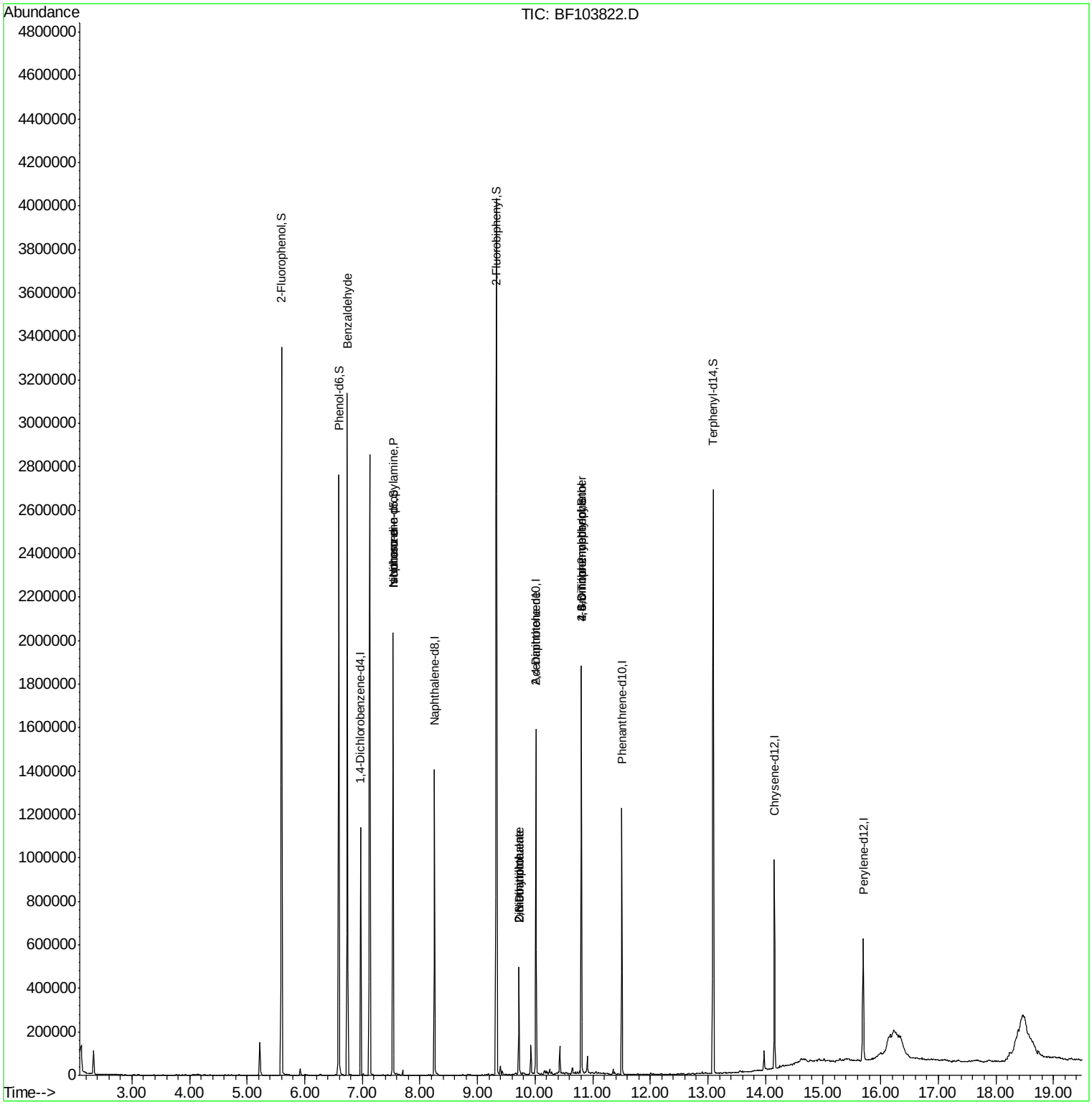
(#) = qualifier out of range (m) = manual integration (+) = signals summed

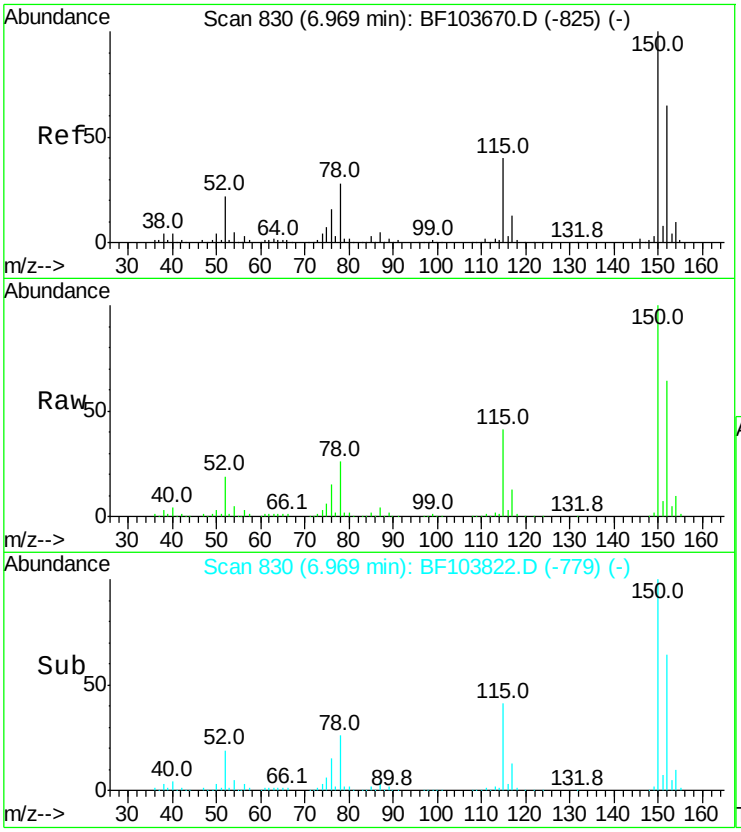
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103822.D
Acq On : 21 Mar 2018 00:06
Operator : JU/SJ
Sample : J1981-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 21 01:01:48 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration



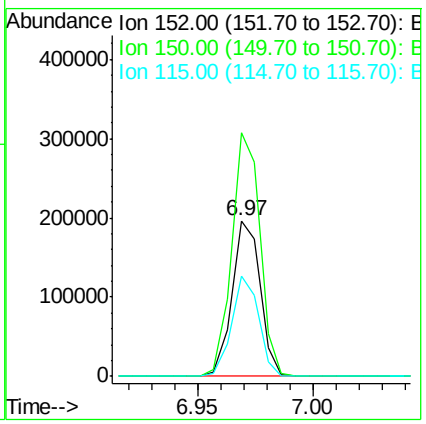


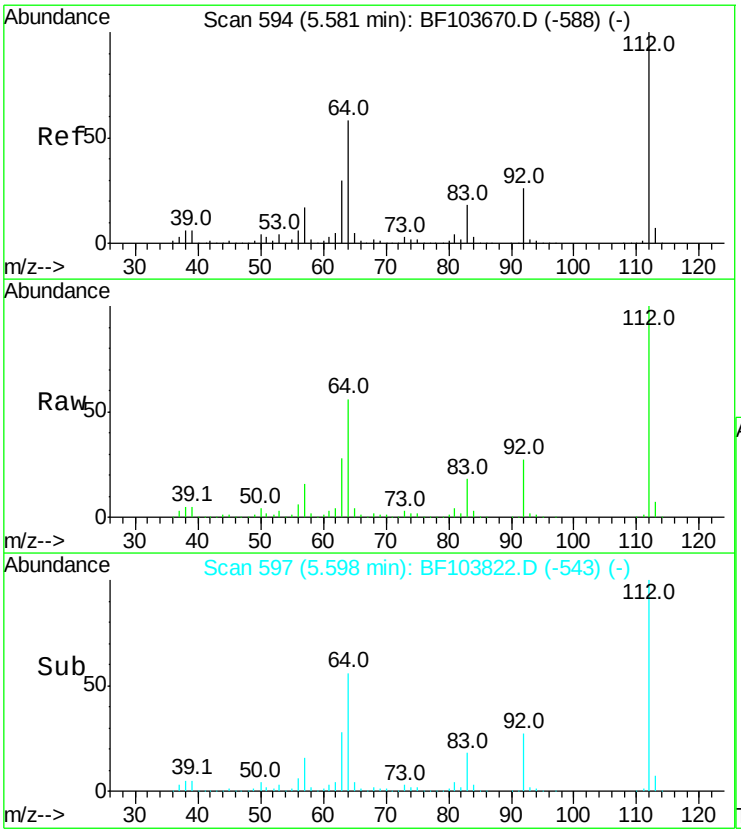

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:152 Resp: 166705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.5 | 124.6 | 186.8 |
| 115 | 64.4 | 50.1 | 75.1 |

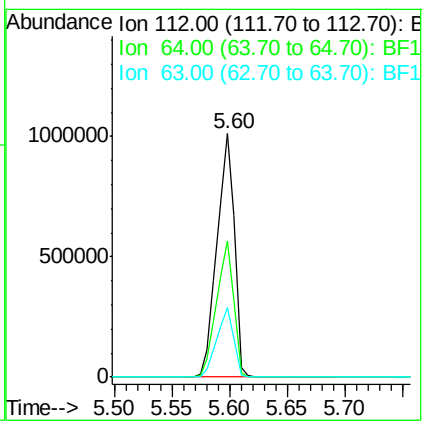


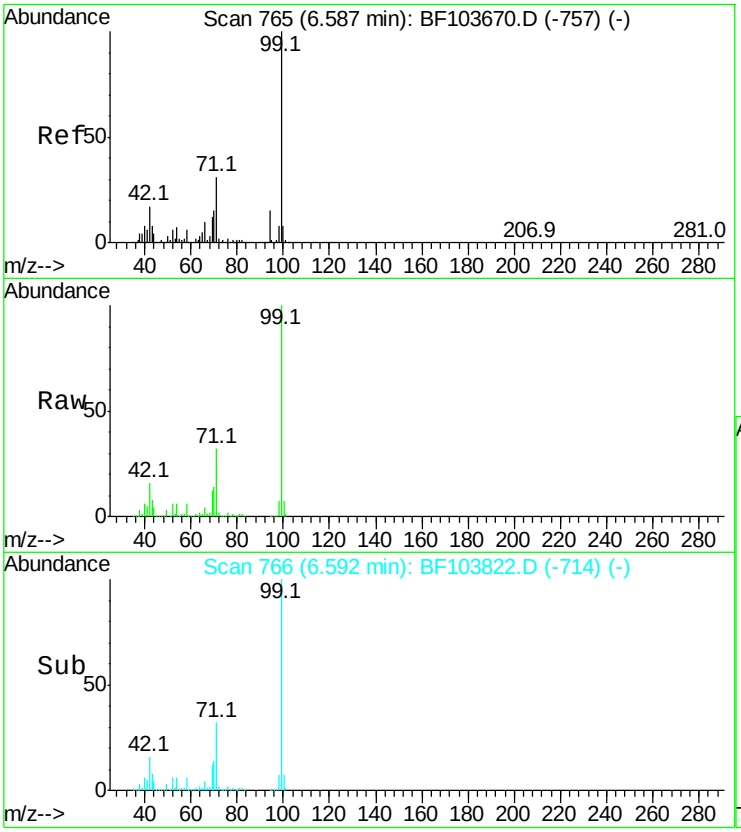




#5
2-Fluorophenol
Concen: 97.195 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:112 Resp: 1065288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.2 | 47.9 | 71.9 |
| 63 | 28.4 | 23.7 | 35.5 |



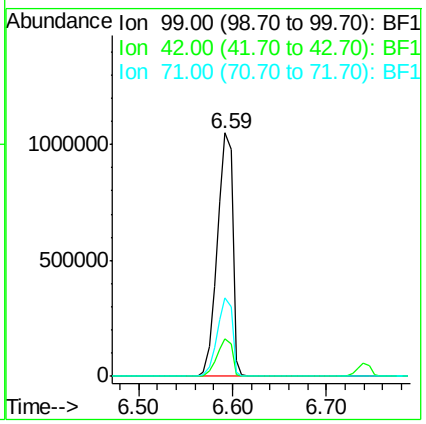


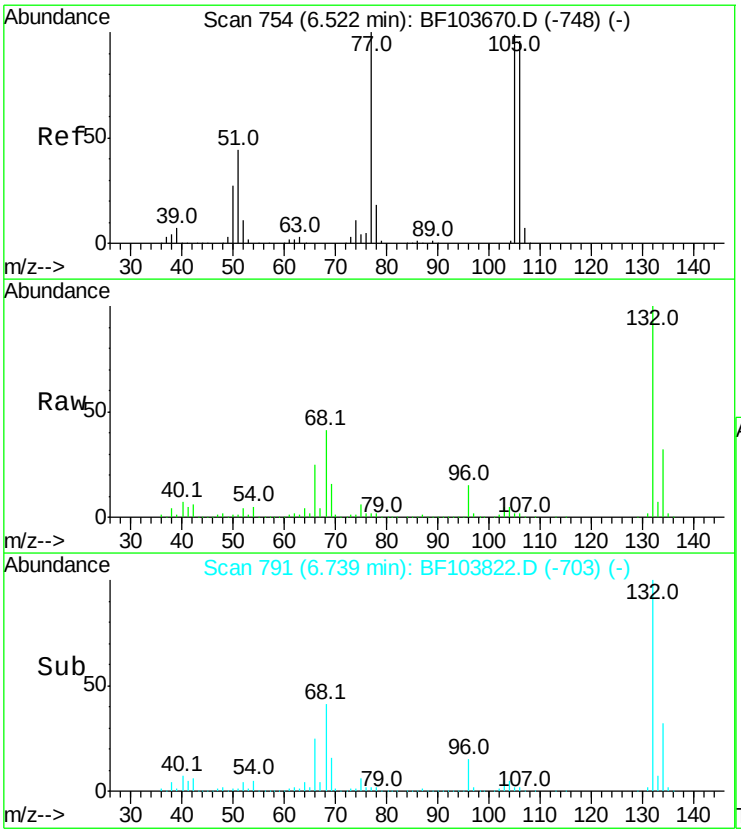

#7
Phenol-d6
Concen: 89.983 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion: 99 Resp: 1206590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.6 | 14.5 | 21.7 |
| 71 | 32.4 | 25.4 | 38.0 |

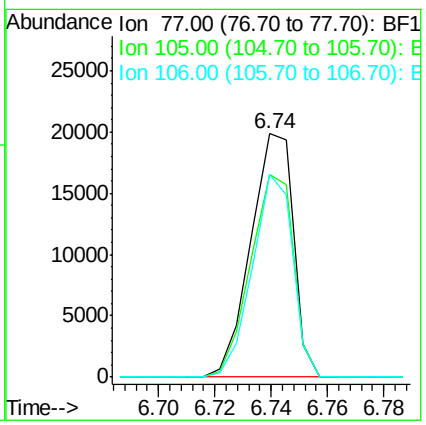


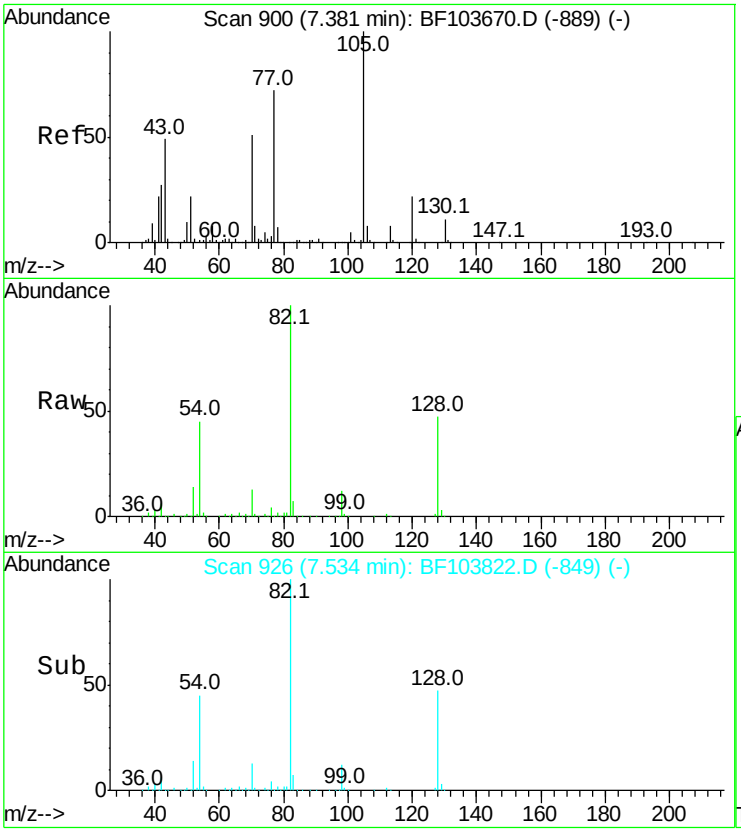




#9
Benzaldehyde
Concen: 2.359 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.22 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion: 77 Resp: 20780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 83.4 | 81.1 | 121.1 |
| 106 | 83.2 | 74.5 | 114.5 |



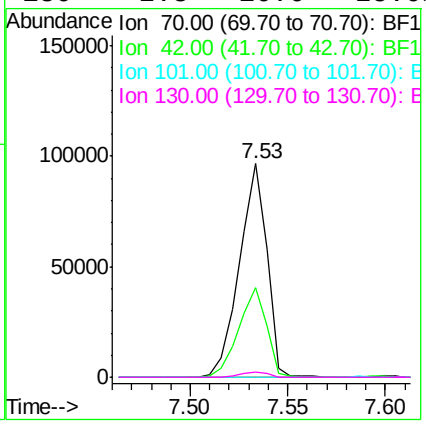


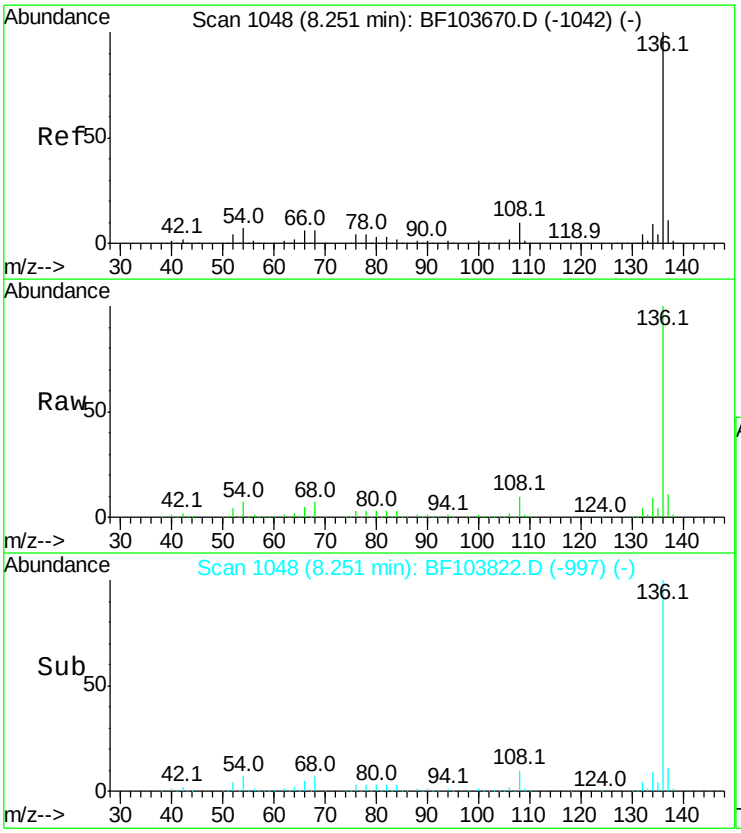

#19
n-Nitroso-di-n-propylamine
Concen: 10.993 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion: 70 Resp: 94468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.7 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |

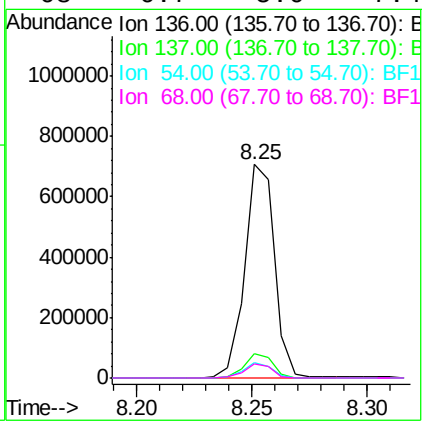


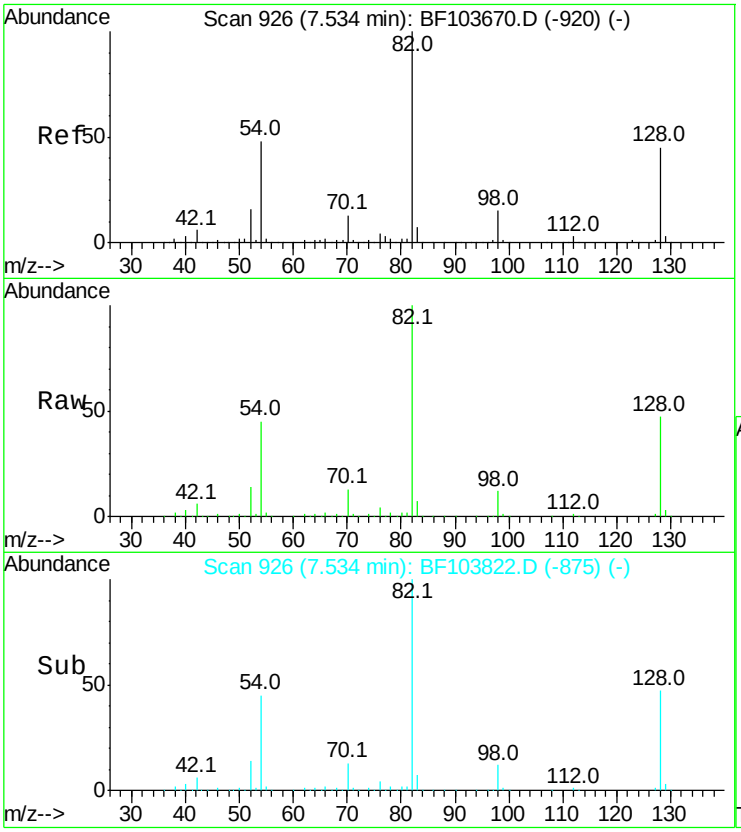




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:136 Resp: 641935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.9 | 13.3 |
| 54 | 7.4 | 6.6 | 9.8 |
| 68 | 6.7 | 5.0 | 7.4 |

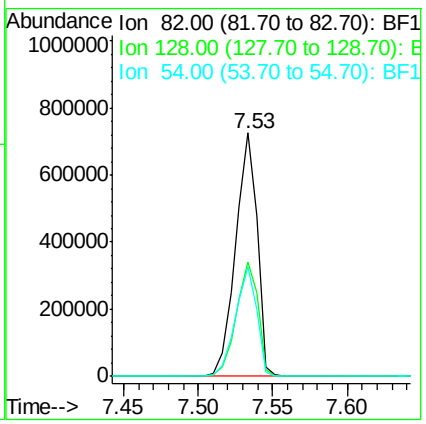




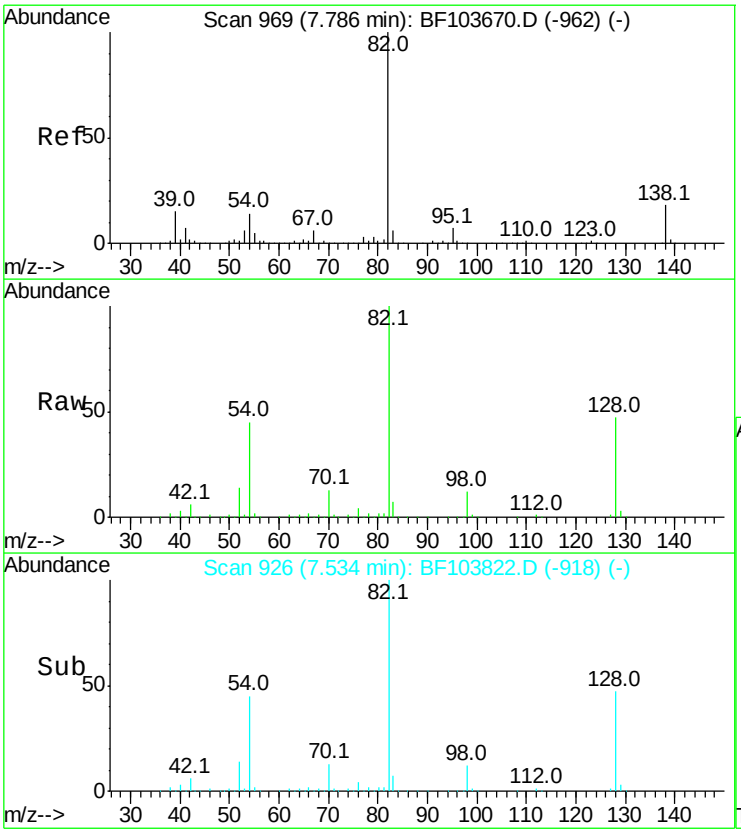

#23
Nitrobenzene-d5
Concen: 79.686 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion: 82 Resp: 733529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.0 | 36.1 | 54.1 |
| 54 | 44.7 | 41.4 | 62.2 |



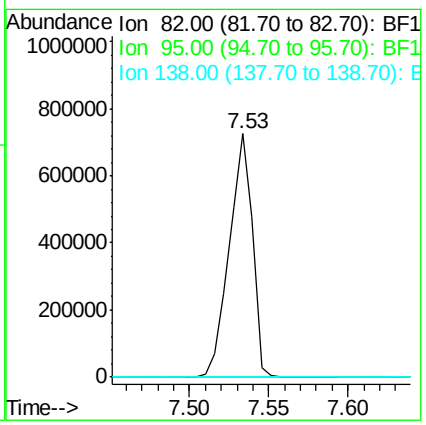

**Instrument :**
BNA_F
**ClientSampleId :**

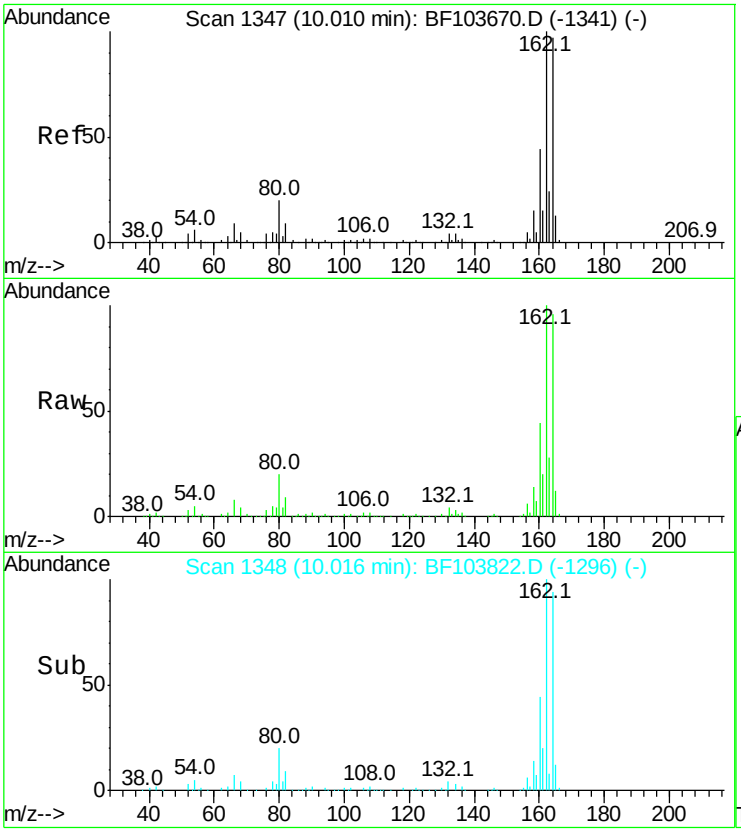



#25
Isophorone
Concen: 34.422 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion: 82 Resp: 733521

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



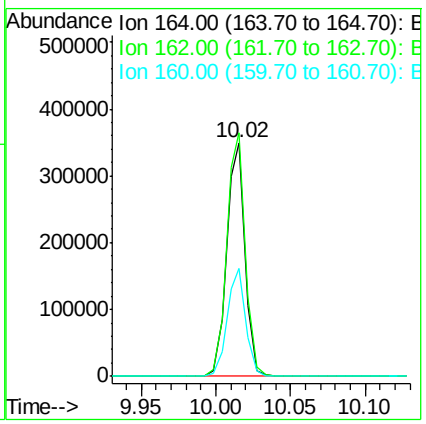


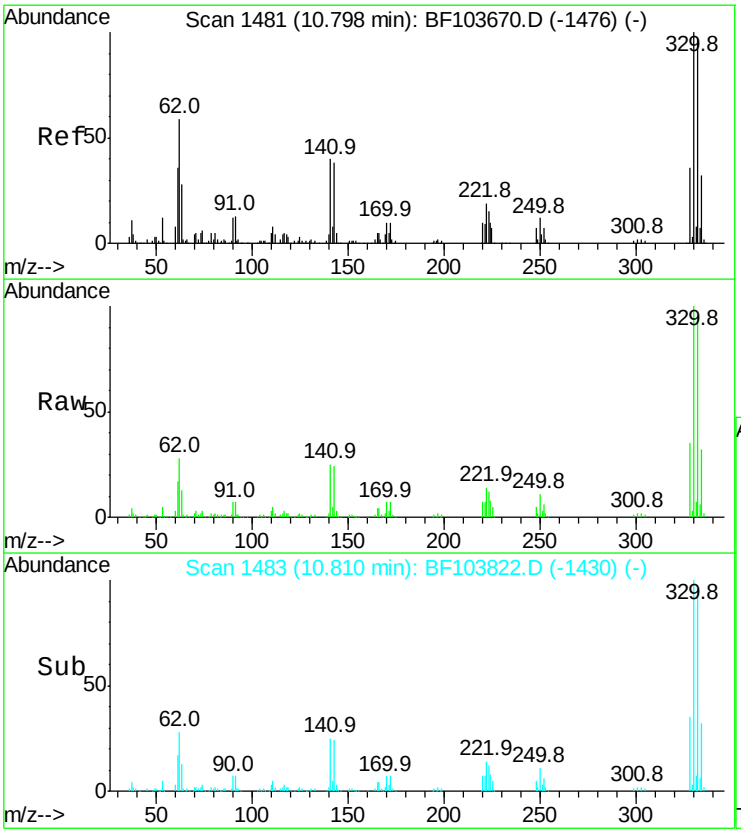

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:164 Resp: 304814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.3 | 86.1 | 129.1 |
| 160 | 46.1 | 38.3 | 57.5 |

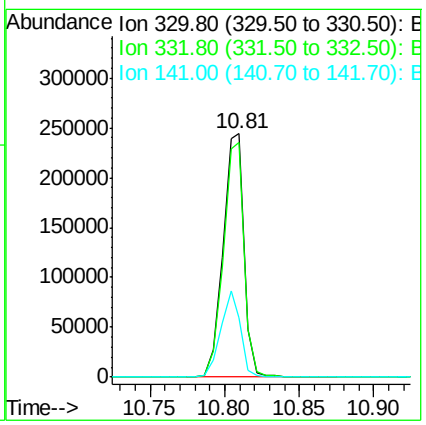


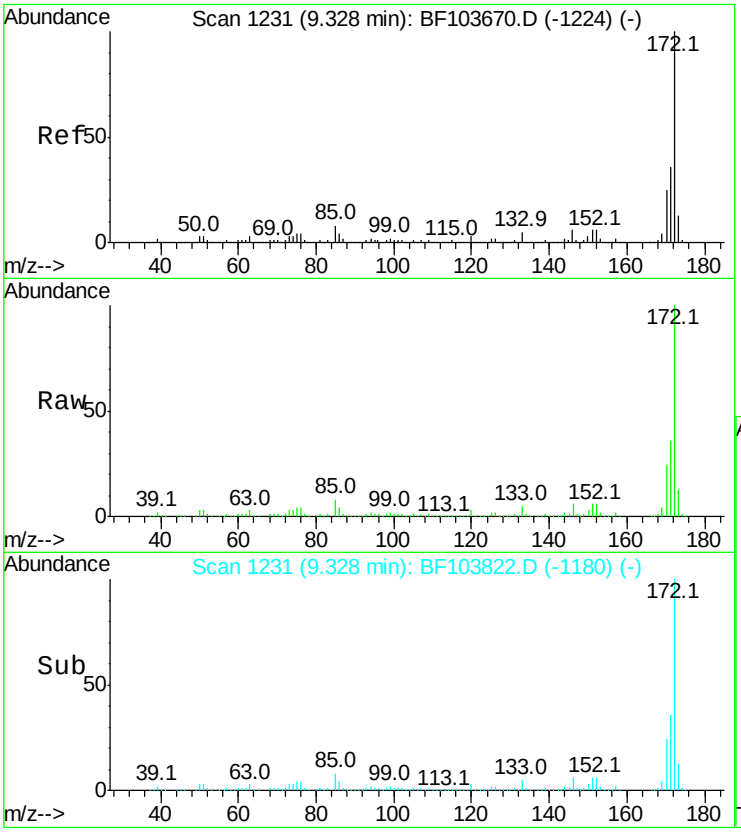




#41
2,4,6-Tribromophenol
Concen: 93.162 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:330 Resp: 244159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.0 | 115.6 |
| 141 | 33.1 | 29.9 | 44.9 |



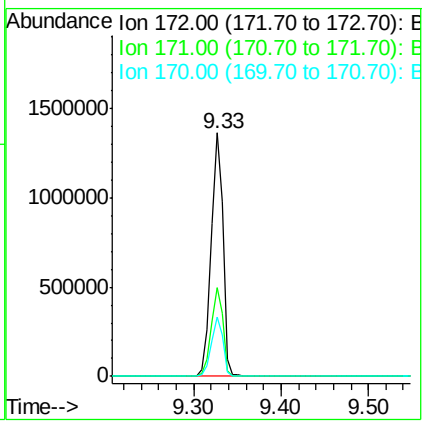


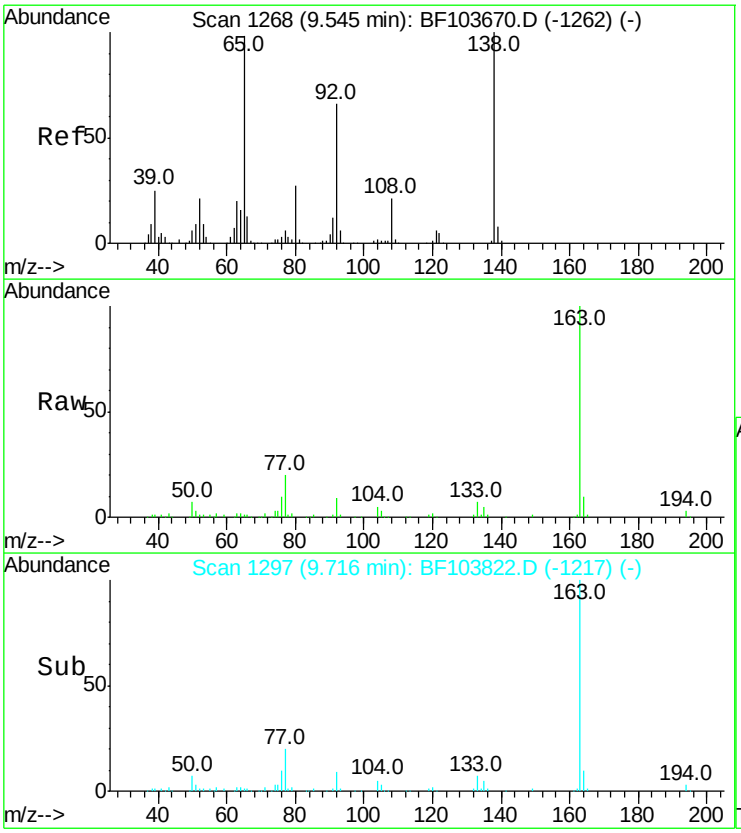

#44
2-Fluorobiphenyl
Concen: 67.209 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:172 Resp: 1284287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 24.3 | 19.6 | 29.4 |

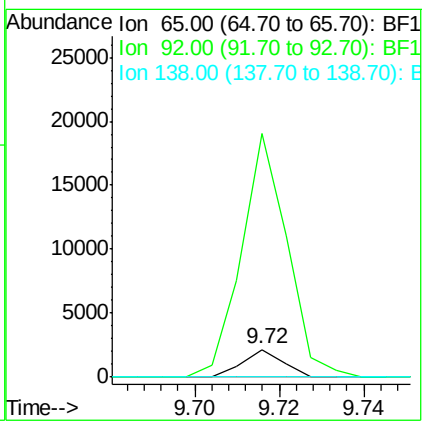


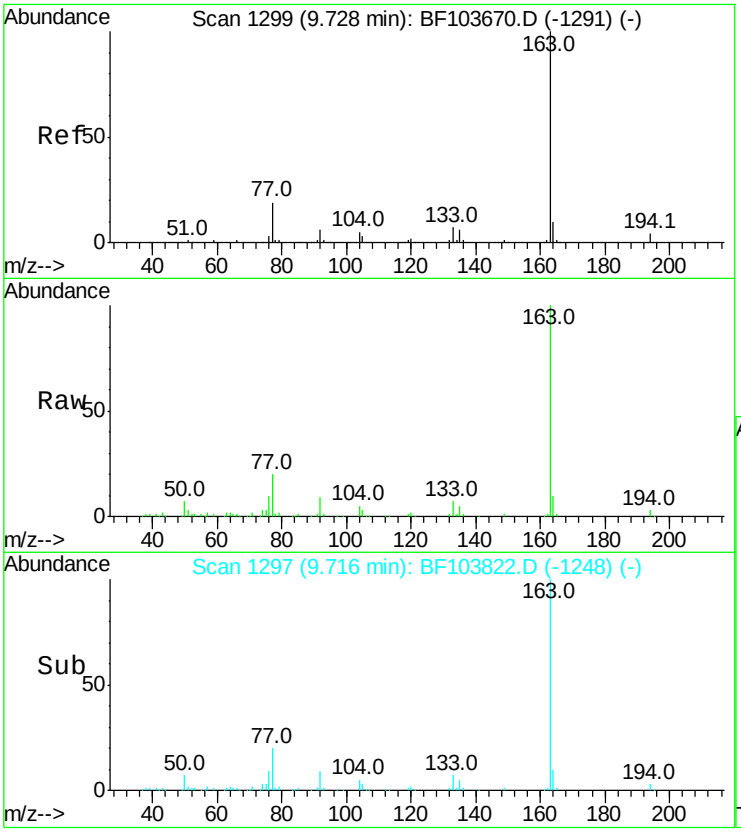




#47
2-Nitroaniline
Concen: 7.048 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion: 65 Resp: 1437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 887.6 | 55.8 | 83.6# |
| 138 | 0.0 | 91.2 | 136.8# |



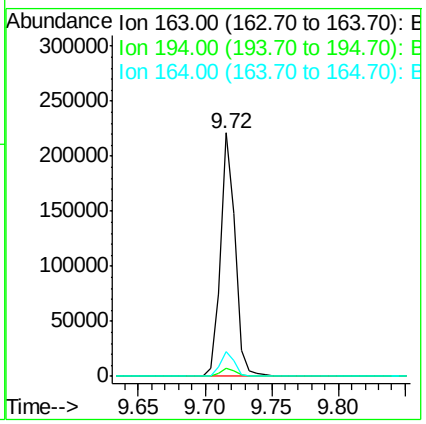


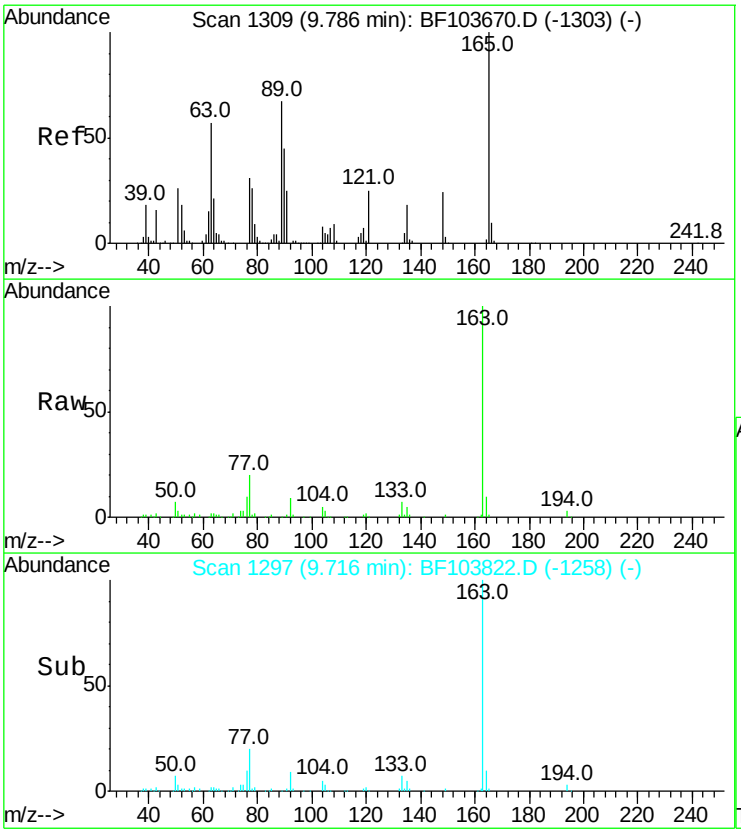

#49
Dimethylphthalate
Concen: 7.380 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:163 Resp: 171616

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

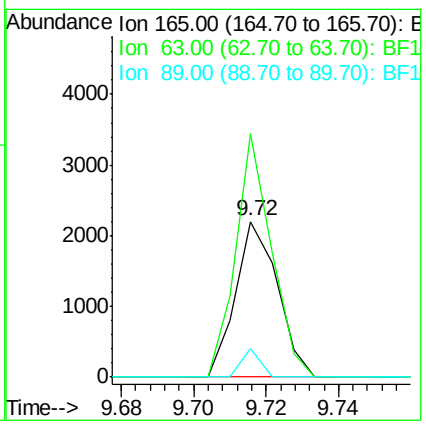


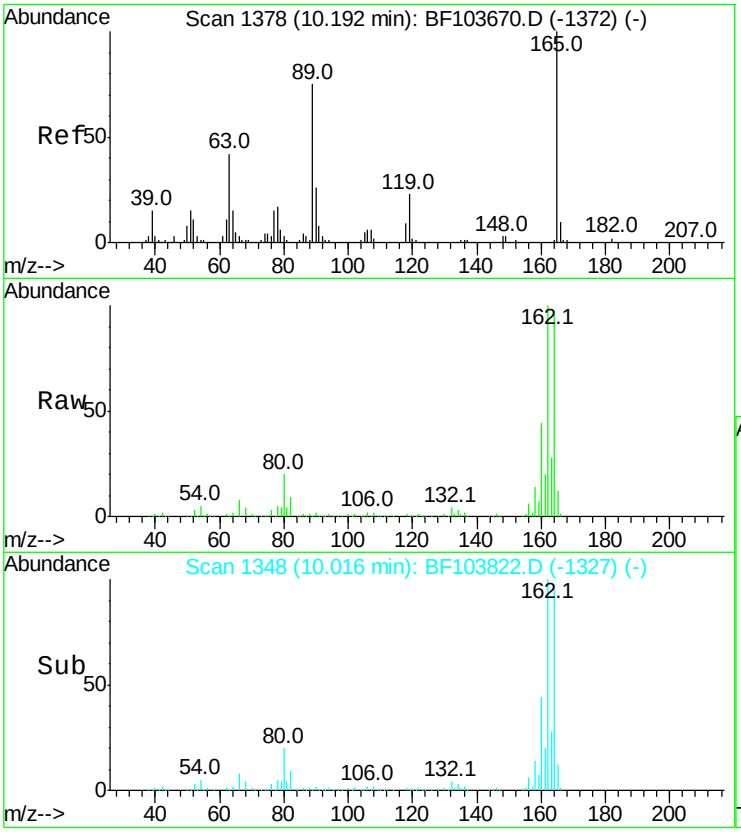




#50
2,6-Dinitrotoluene
Concen: 4.344 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:165 Resp: 1767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 156.3 | 44.7 | 67.1# |
| 89 | 18.0 | 44.0 | 66.0# |



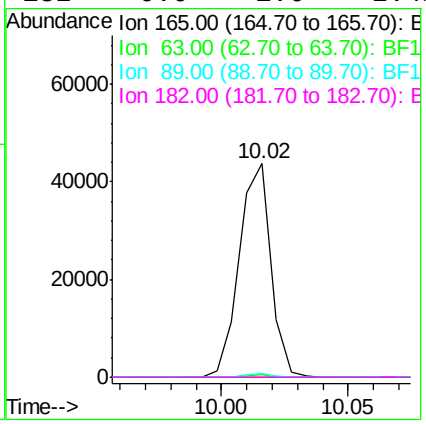


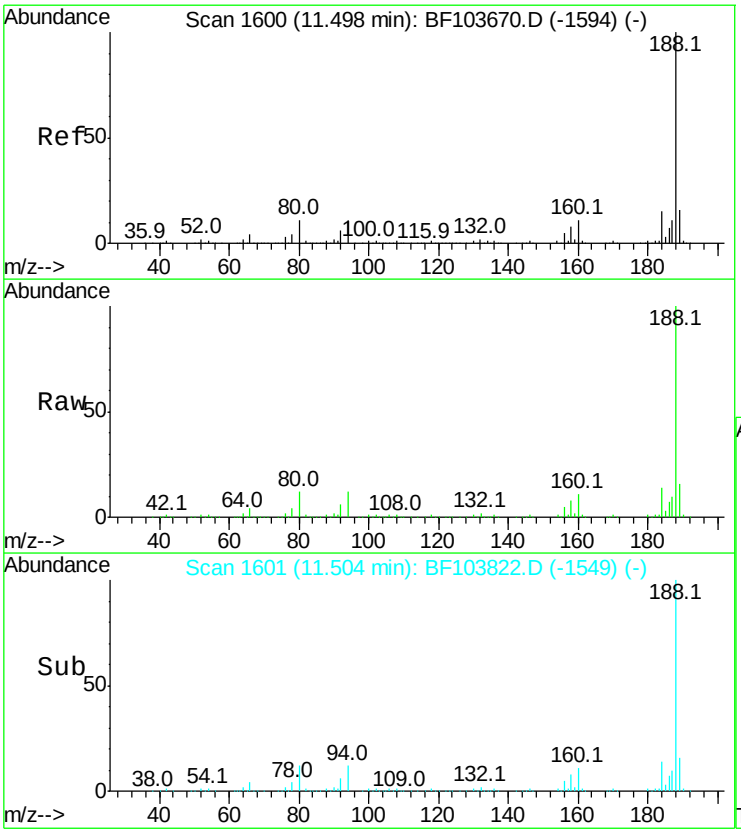

#56
2,4-Dinitrotoluene
Concen: 12.005 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.18 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:165 Resp: 37915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 36.4 | 54.6# |
| 89 | 1.6 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

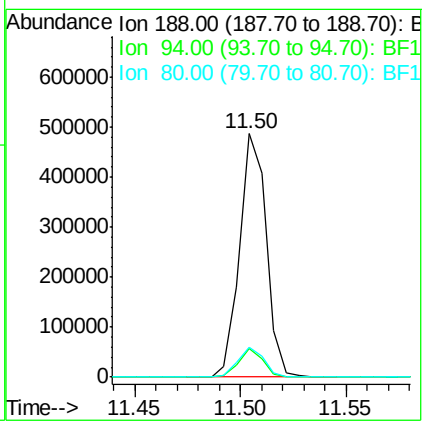


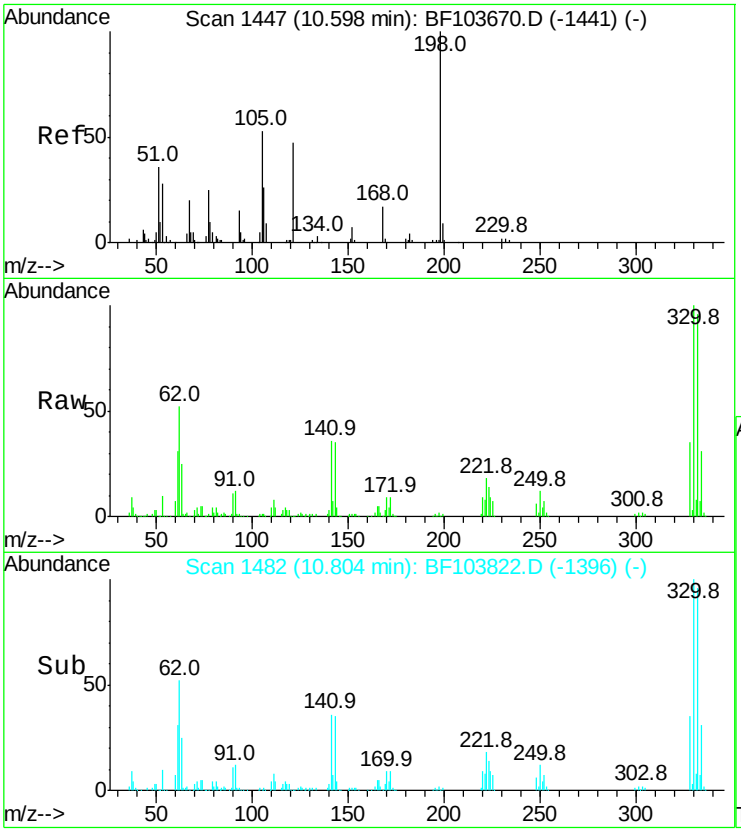




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:188 Resp: 424902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.8 | 8.5 | 12.7 |
| 80 | 12.2 | 9.2 | 13.8 |



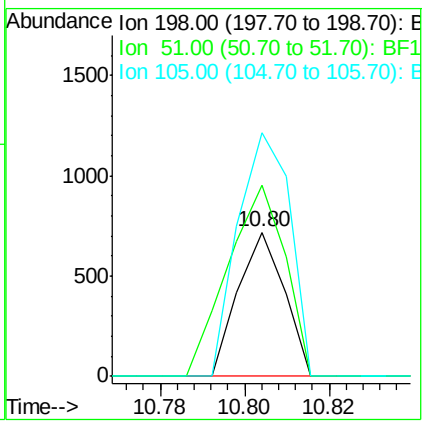


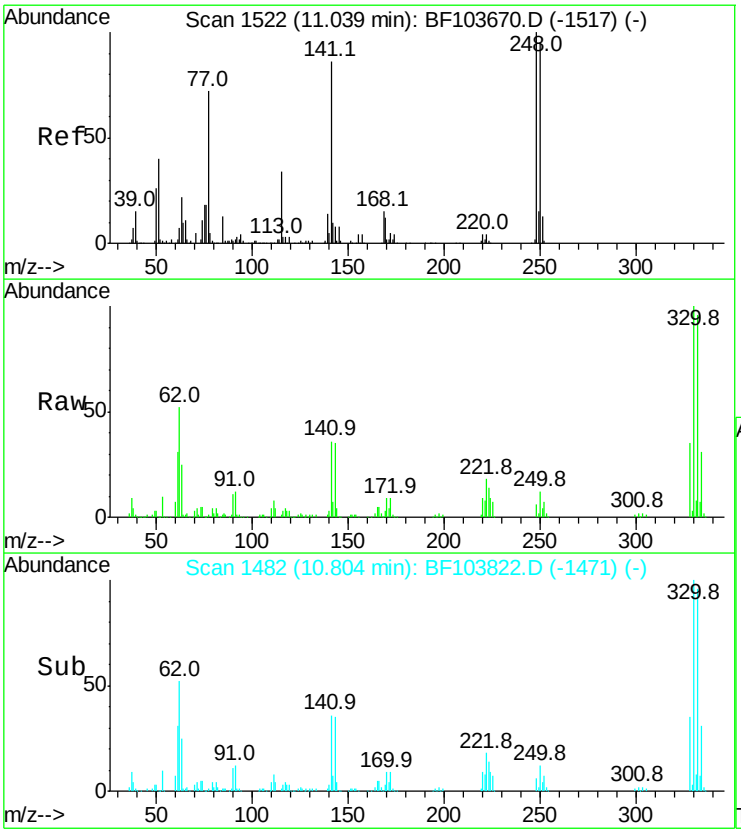

#64
4,6-Dinitro-2-methylphenol
Concen: 8.501 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.21 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:198 Resp: 545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 132.4 | 37.7 | 77.7# |
| 105 | 168.6 | 36.3 | 76.3# |

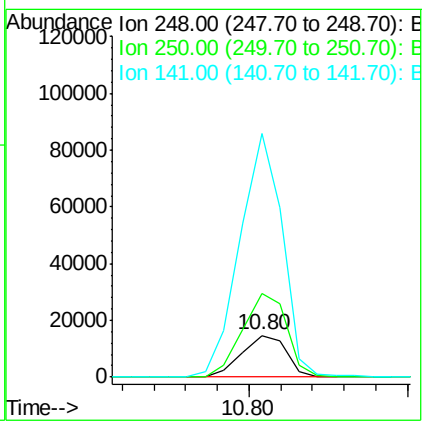


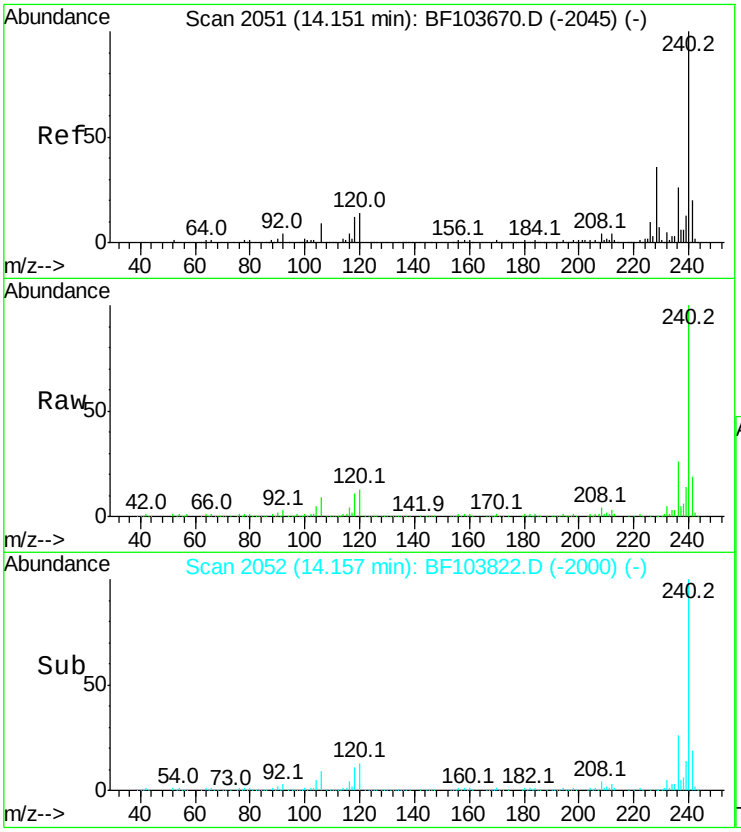




#66
4-Bromophenyl-phenylether
Concen: 3.252 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:248 Resp: 14188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.7 | 76.9 | 115.3# |
| 141 | 584.4 | 74.4 | 111.6# |



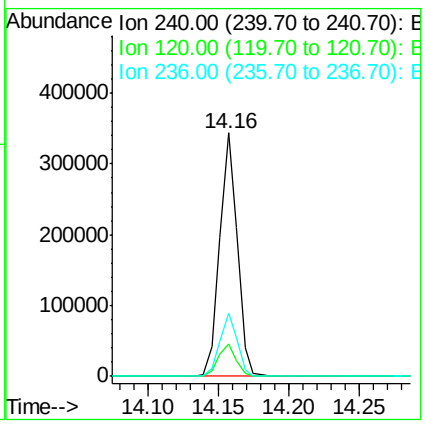


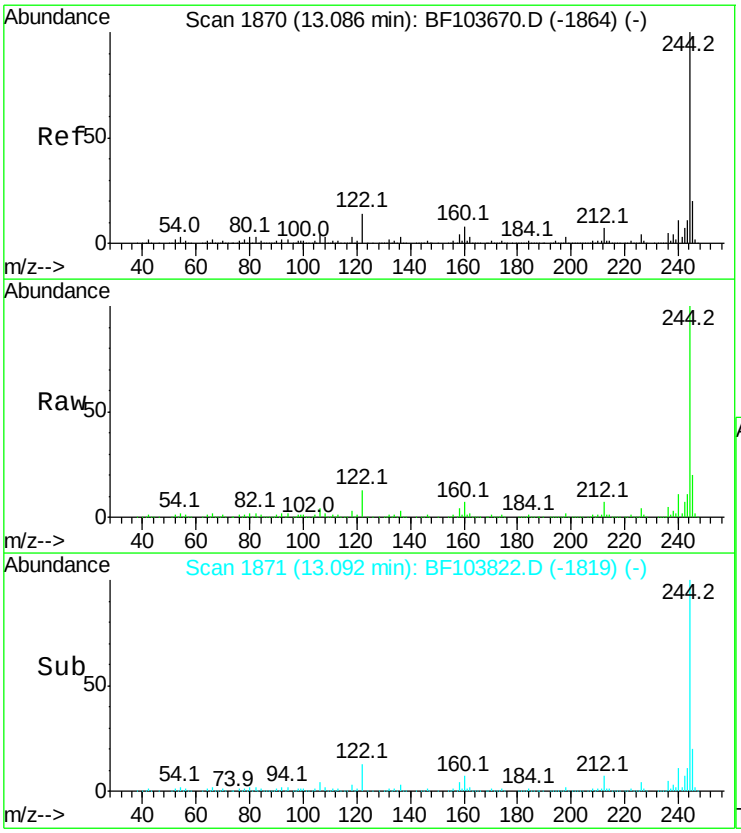

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:240 Resp: 298317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.1 | 9.5 | 14.3 |
| 236 | 26.1 | 20.7 | 31.1 |

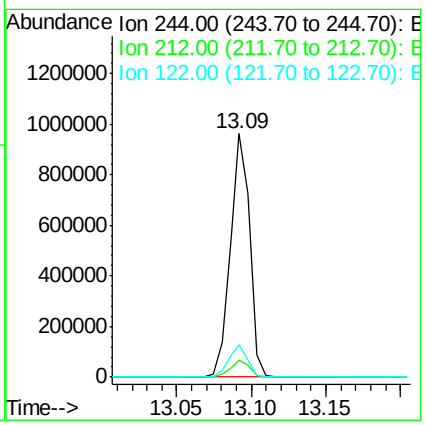


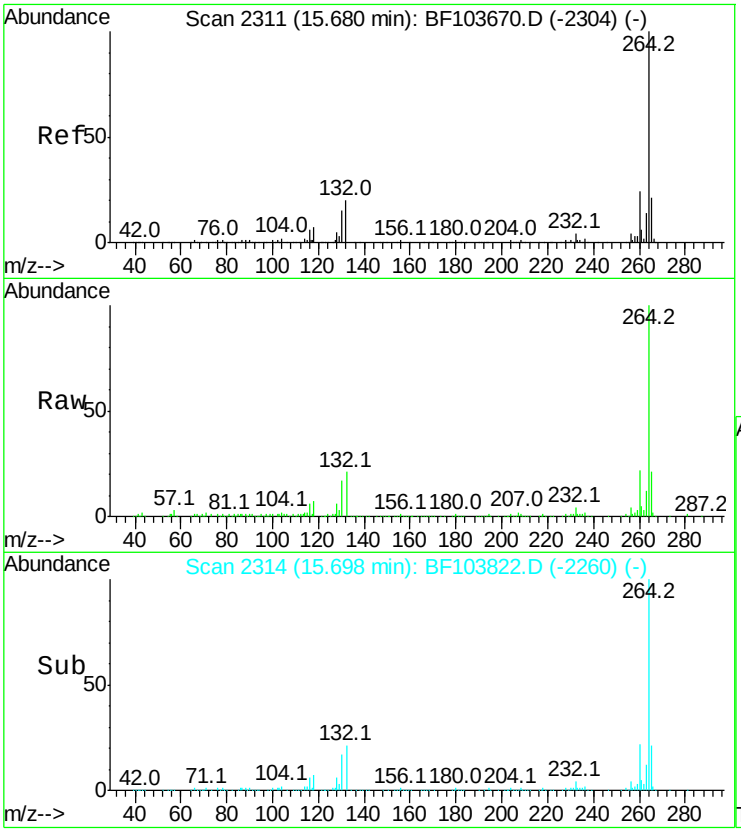




#78
Terphenyl-d14
Concen: 68.310 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

Tgt Ion:244 Resp: 877929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 13.4 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103822.D
Acq: 21 Mar 2018 00:06

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

Tgt Ion:264 Resp: 250218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 19.2 | 28.8 |
| 265 | 21.2 | 17.5 | 26.3 |