Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111317\

Quantitation Report (Not Reviewed)

Data File : BF100518.D
Acq On : 13 Nov 2017 22:15
Operator : SJ/JU
Sample : I6388-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 3N-18

Quant Time: Nov 14 00:56:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 79042 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 292351 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 119975 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 193914 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.05 | 240 | 170864 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.53 | 264 | 123283 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 416558 | 84.48 | ng | | 0.01 |
| 7) Phenol-d6 | 6.52 | 99 | 493699 | 81.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 297767 | 67.34 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 104861 | 85.77 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 606866 | 77.02 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.00 | 244 | 435814 | 58.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.66 | 77 | 9500 | 2.19 | ng | | 83 |
| 10) Phenol | 6.53 | 94 | 19203 | 3.01 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.45 | 70 | 40350 | 9.57 | ng | # | 84 |
| 25) Isophorone | 7.45 | 82 | 297761 | 32.04 | ng | # | 64 |
| 47) 2-Nitroaniline | 9.63 | 65 | 439 | 2.97 | ng | # | 1 |
| 49) Dimethylphthalate | 9.64 | 163 | 60006 | 6.55 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 9.93 | 165 | 14994 | 8.27 | ng | # | 24 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 14994 | 6.55 | ng | # | 21 |
| 62) Azobenzene | 10.64 | 77 | 29378 | 3.40 | ng | # | 1 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 205 | 8.74 | ng | # | 55 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 6694 | 3.22 | ng | # | 1 |

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

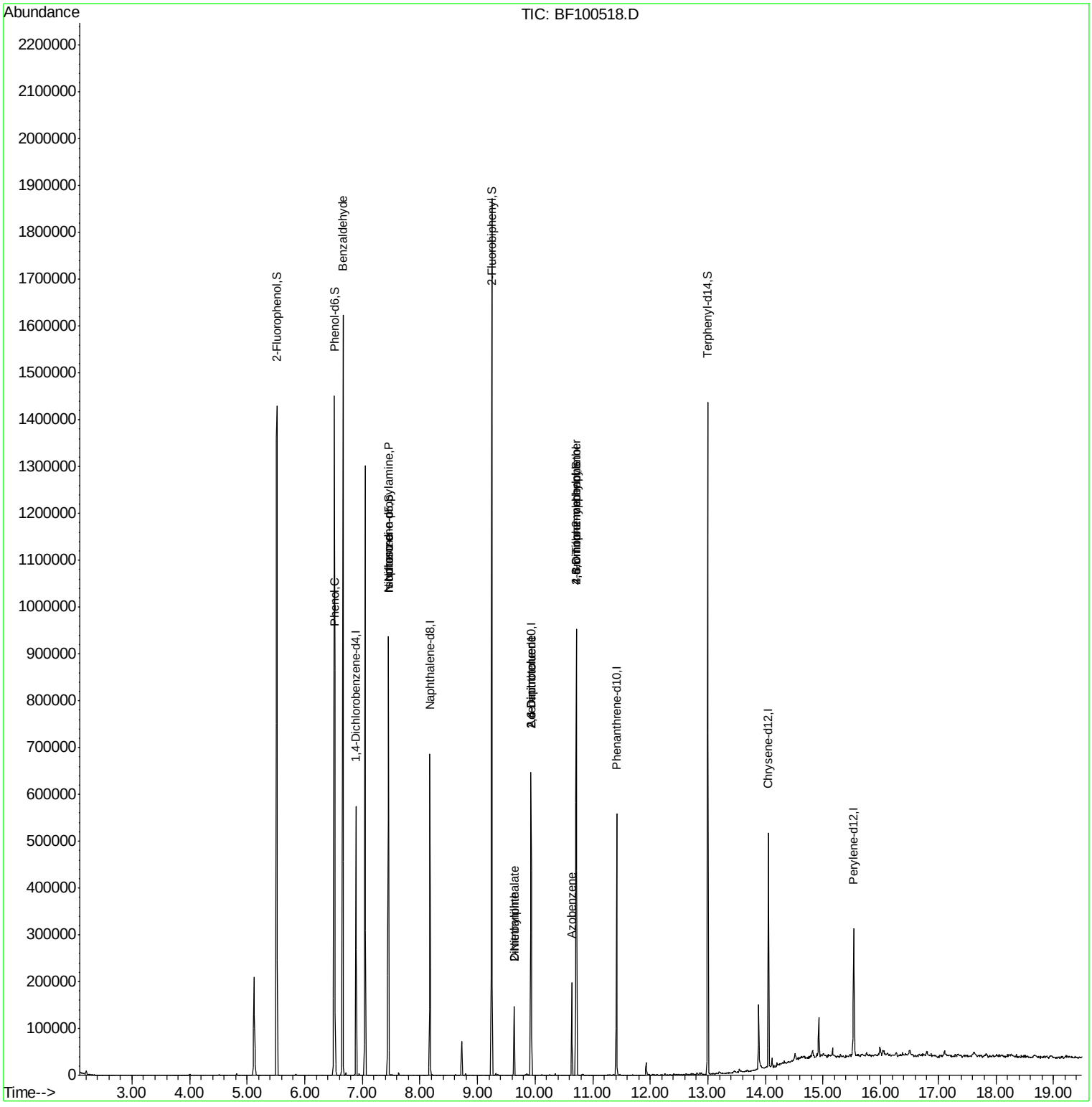
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111317\

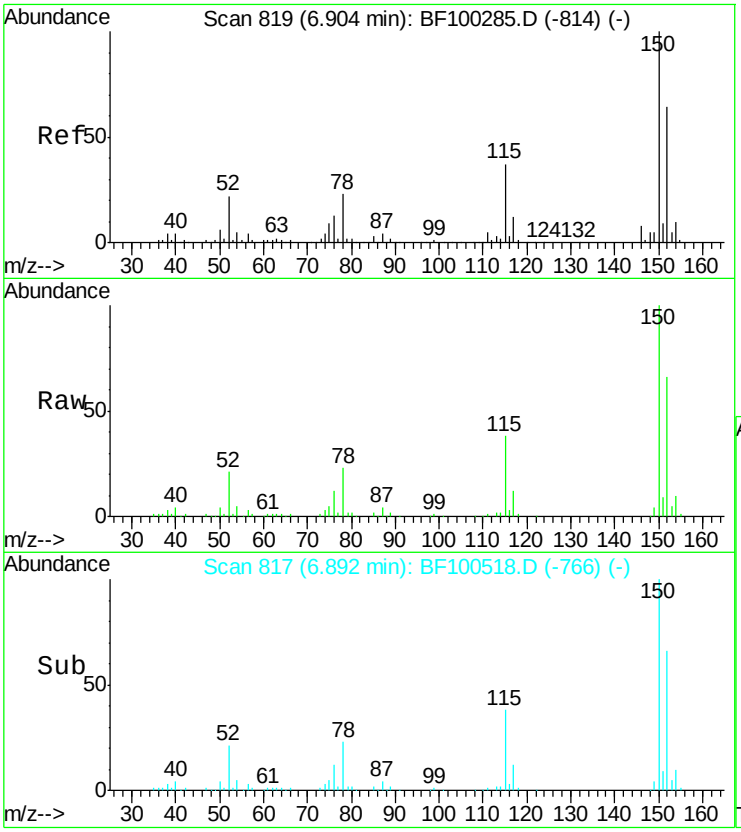
Quantitation Report (Not Reviewed)

Data File : BF100518.D
Acq On : 13 Nov 2017 22:15
Operator : SJ/JU
Sample : I6388-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Quant Time: Nov 14 00:56:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration



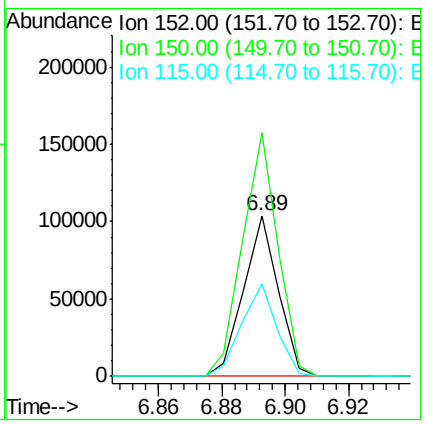


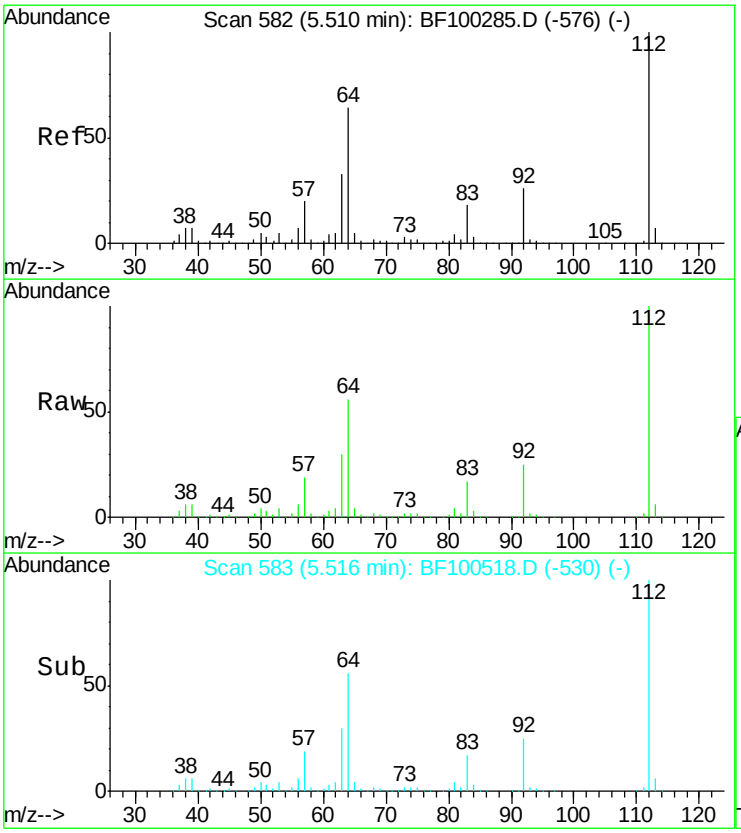

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:152 Resp: 79042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.4 | 124.6 | 186.8 |
| 115 | 57.3 | 50.1 | 75.1 |

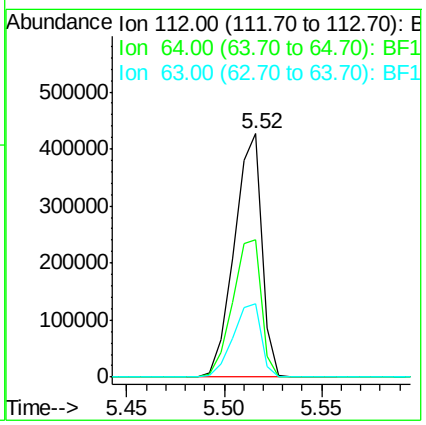


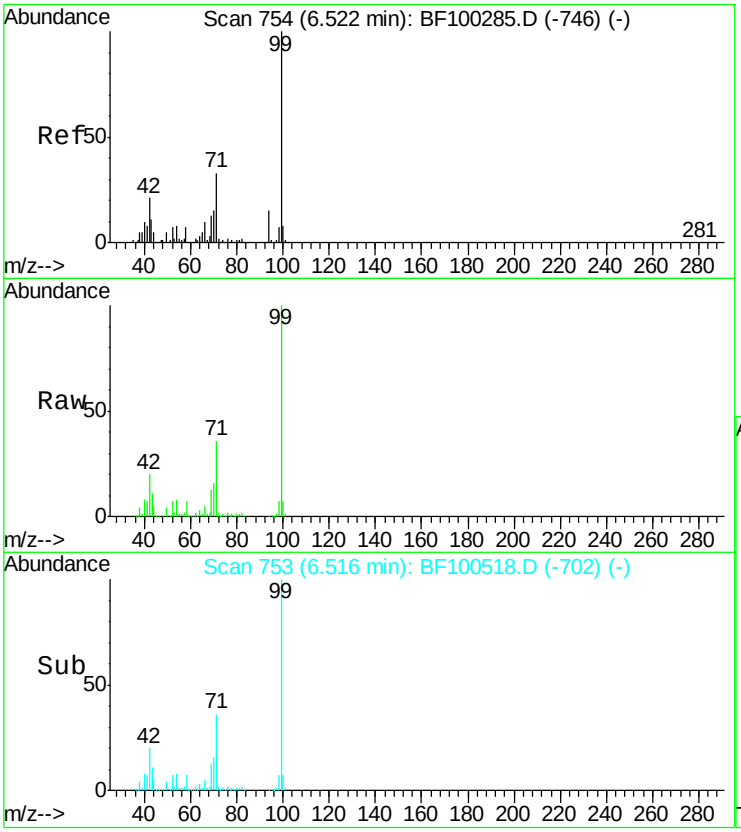




#5
2-Fluorophenol
Concen: 84.48 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:112 Resp: 416558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 47.9 | 71.9 |
| 63 | 29.9 | 23.7 | 35.5 |



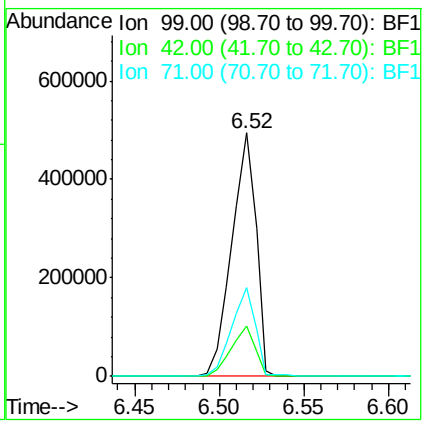


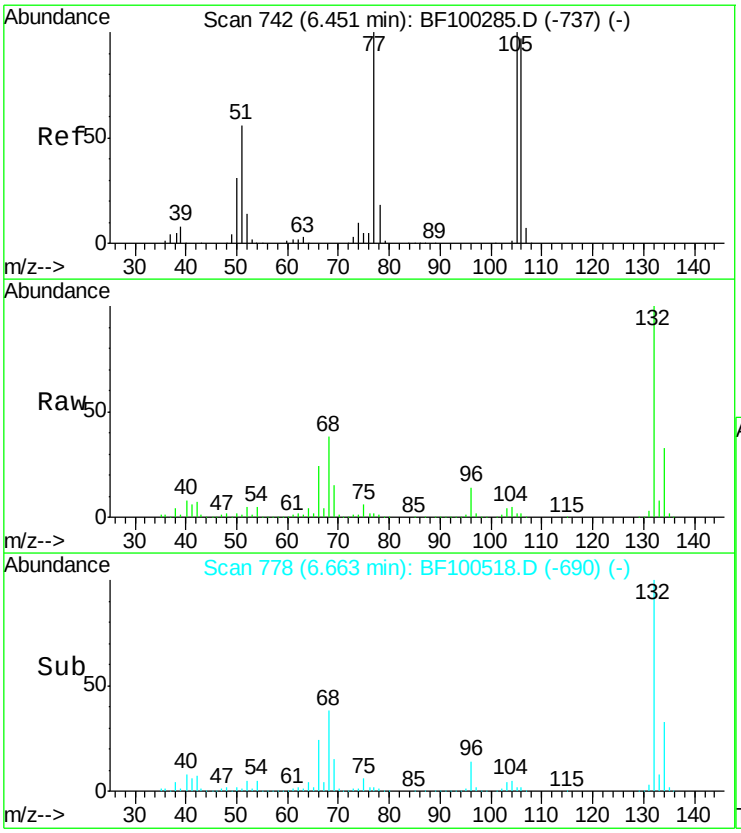

#7
Phenol-d6
Concen: 81.19 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion: 99 Resp: 493699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 14.5 | 21.7 |
| 71 | 36.3 | 25.4 | 38.0 |

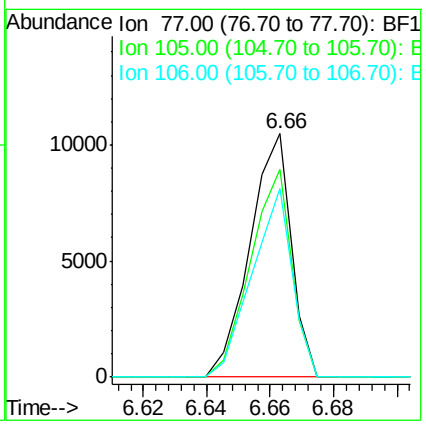


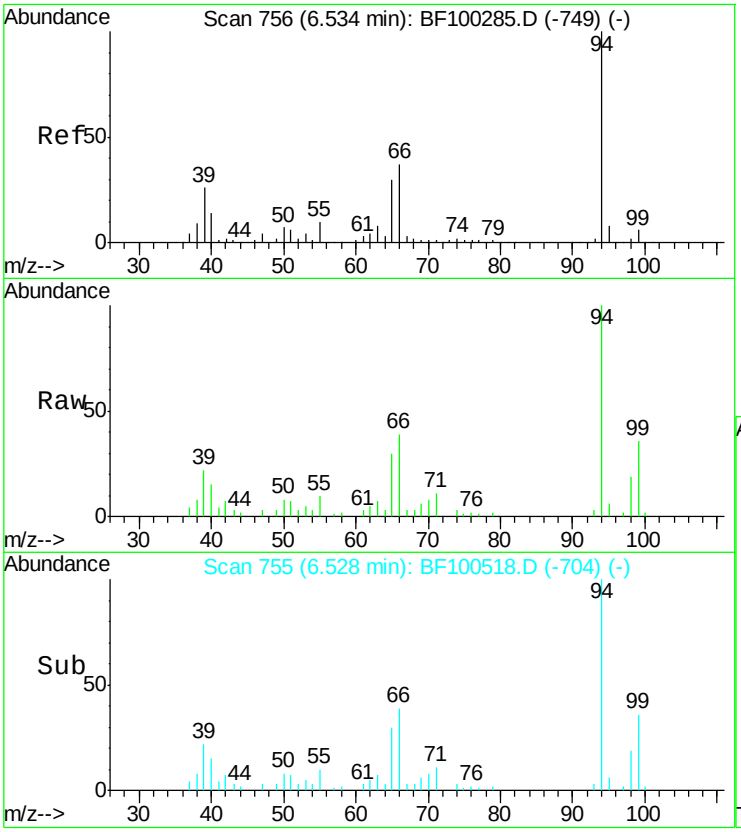




#9
Benzaldehyde
Concen: 2.19 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.22 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion: 77 Resp: 9500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 85.3 | 81.1 | 121.1 |
| 106 | 77.4 | 74.5 | 114.5 |



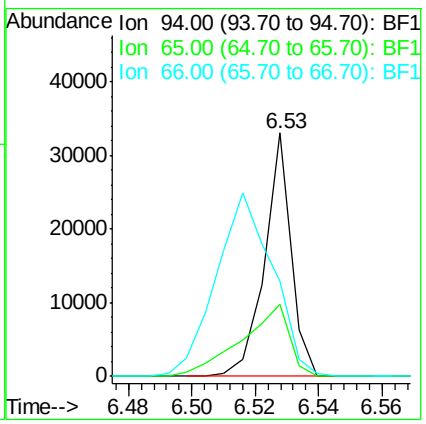


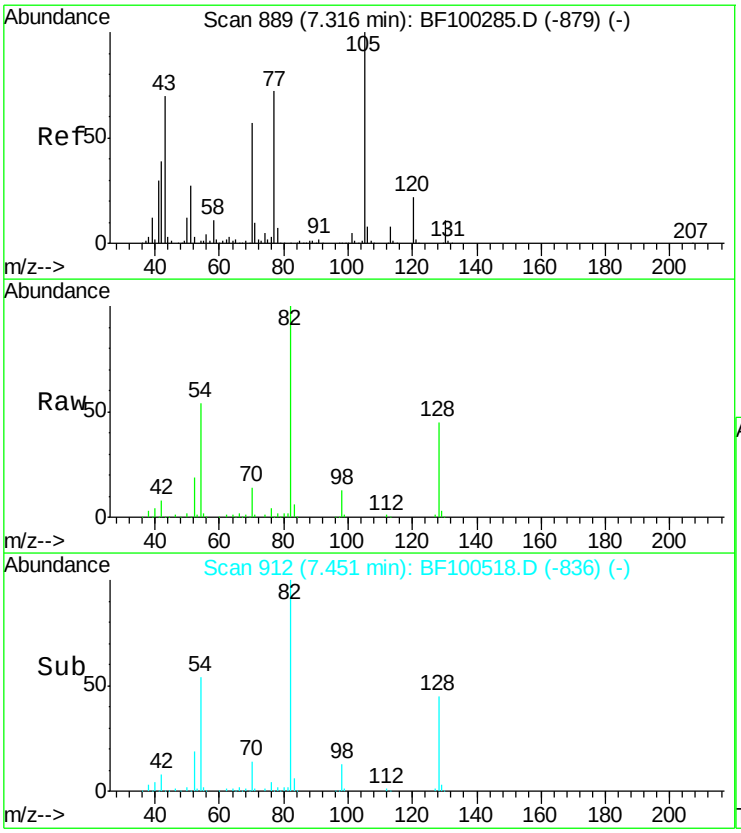

#10
Phenol
Concen: 3.01 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion: 94 Resp: 19203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 7.9 | 47.9 |
| 66 | 39.1 | 16.2 | 56.2 |

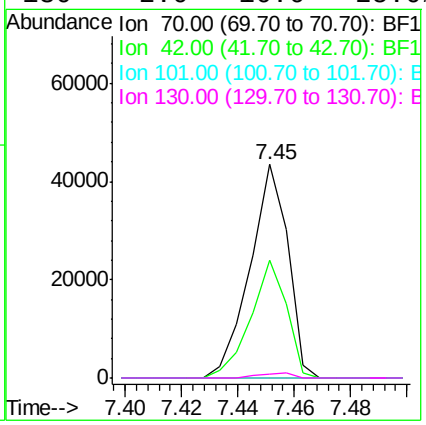


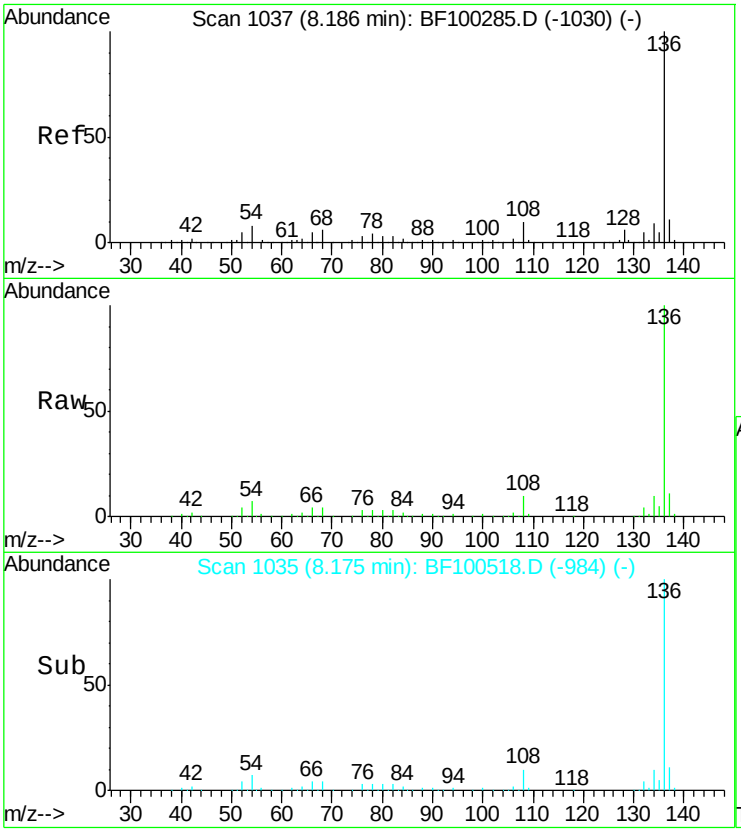




#19
n-Nitroso-di-n-propylamine
Concen: 9.57 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.15 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion: 70 Resp: 40350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.9 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.0 | 16.6 | 25.0# |



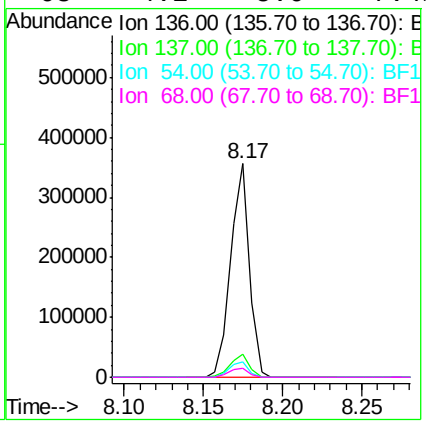


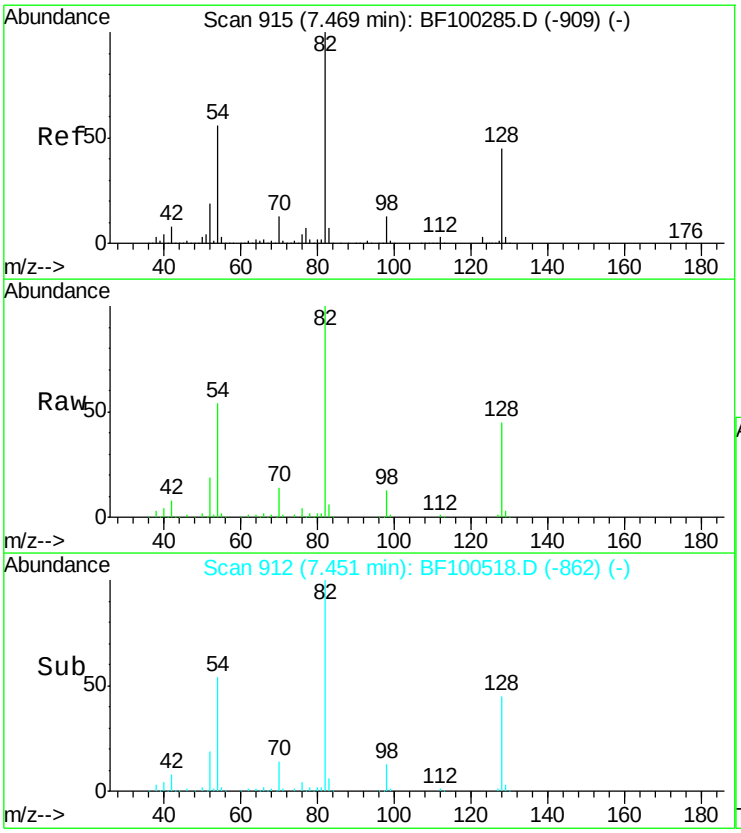

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:136 Resp: 292351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 7.3 | 6.6 | 9.8 |
| 68 | 4.2 | 5.0 | 7.4# |

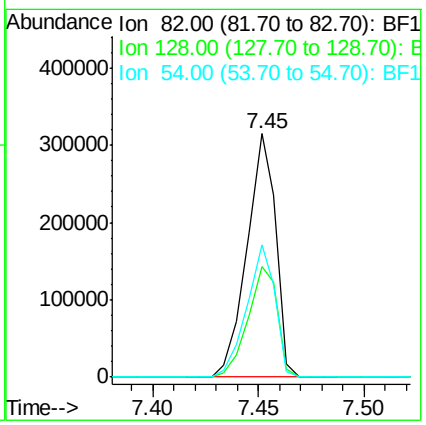


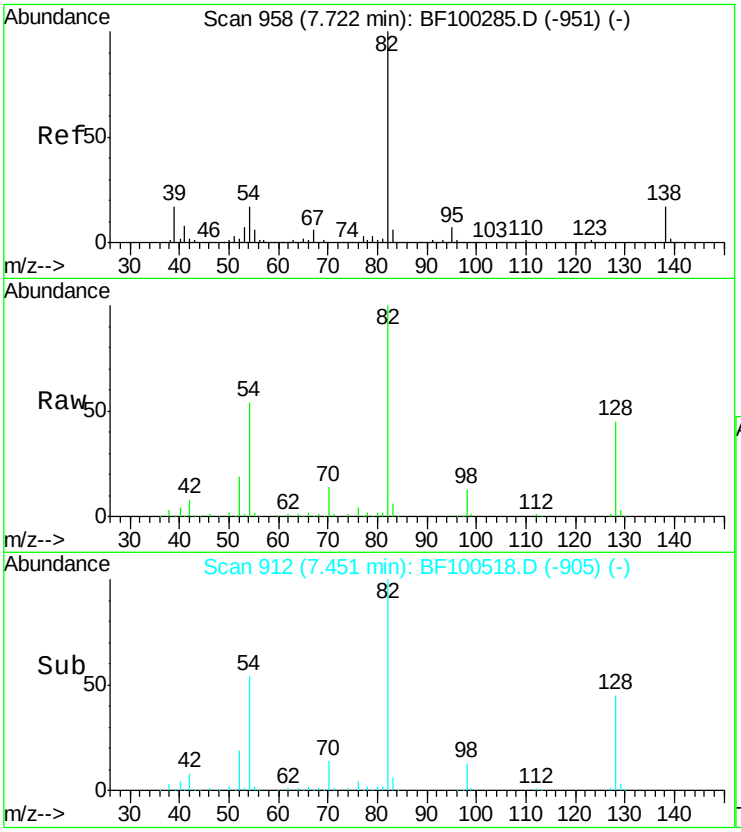




#23
Nitrobenzene-d5
Concen: 67.34 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion: 82 Resp: 297767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 36.1 | 54.1 |
| 54 | 54.3 | 41.4 | 62.2 |



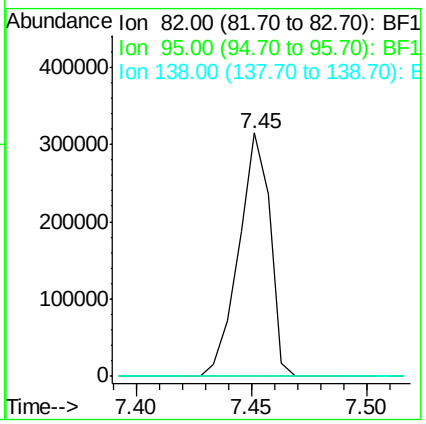


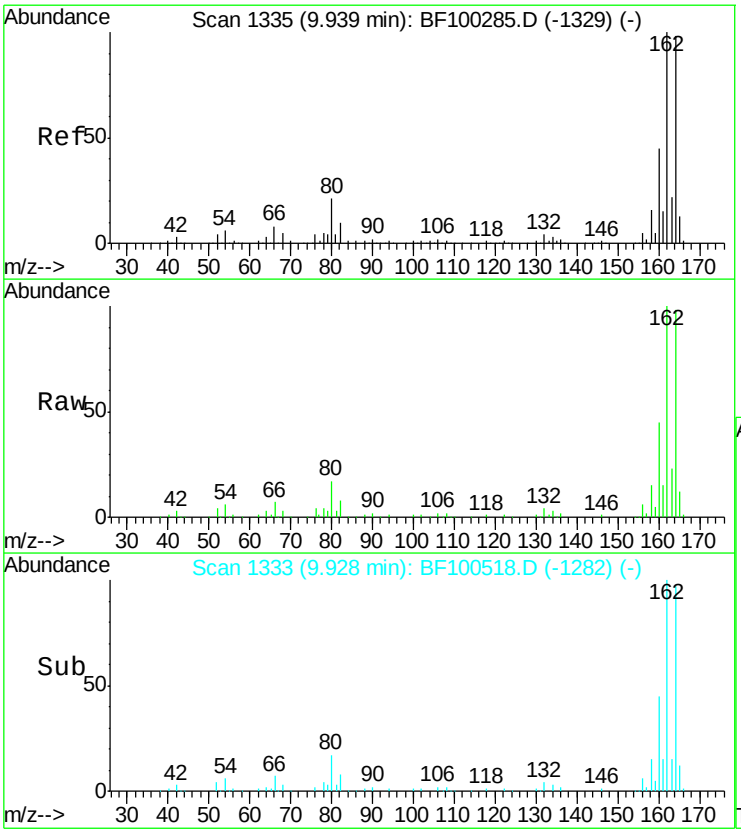

#25
Isophorone
Concen: 32.04 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion: 82 Resp: 297761

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

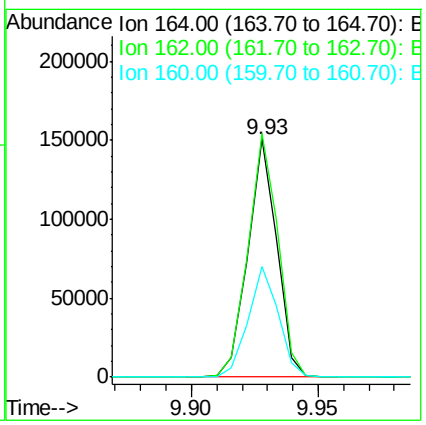


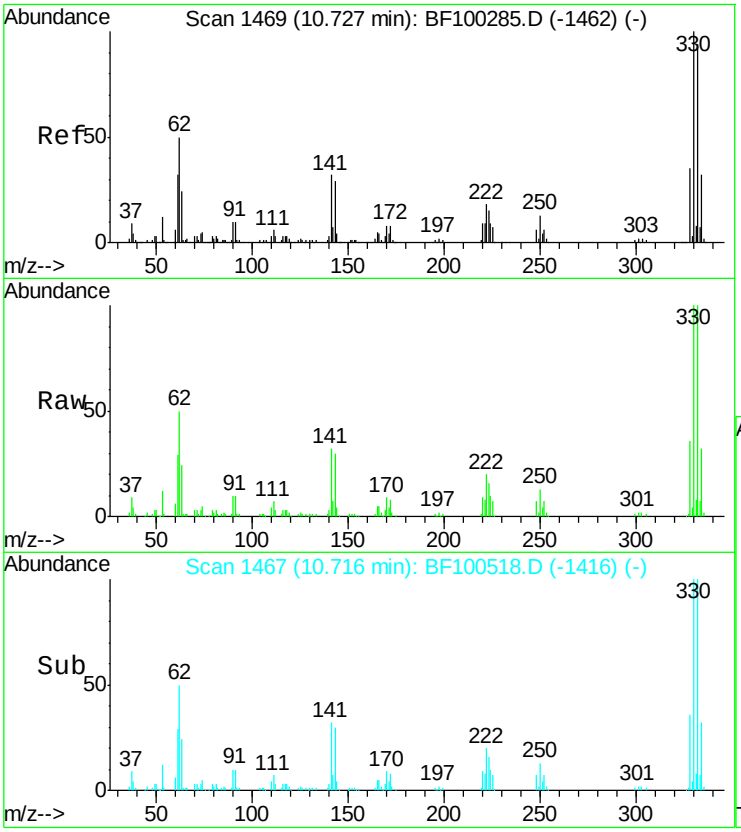




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:164 Resp: 119975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 86.1 | 129.1 |
| 160 | 46.5 | 38.3 | 57.5 |



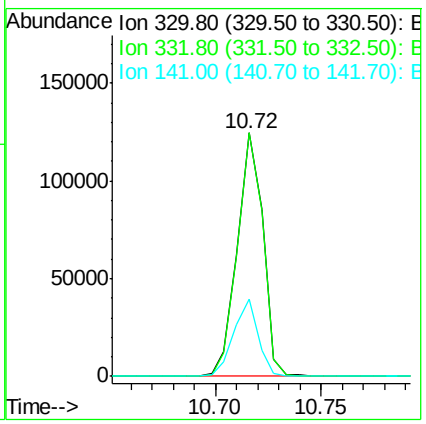


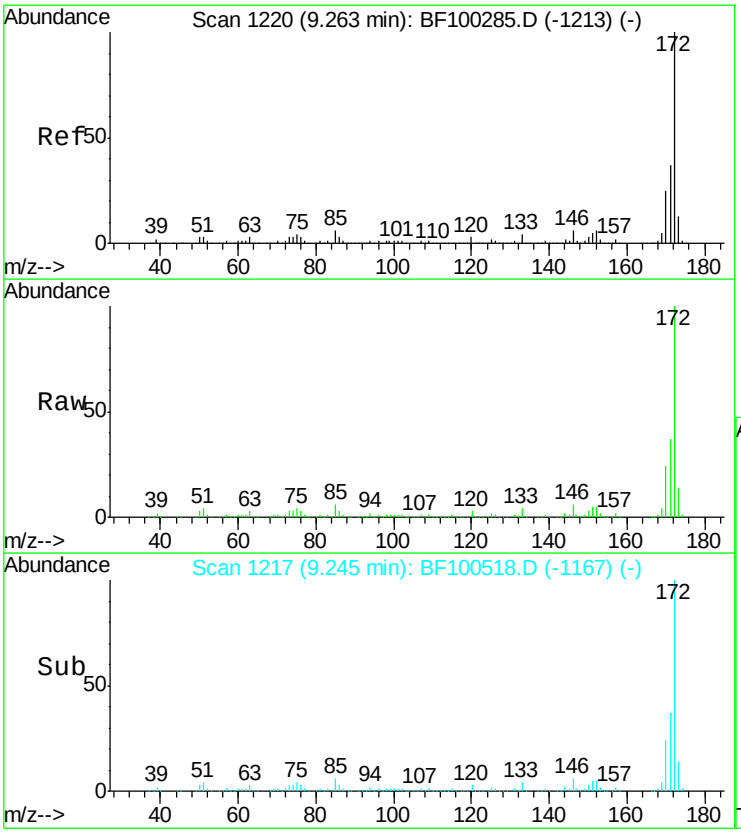

#41
2,4,6-Tribromophenol
Concen: 85.77 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:330 Resp: 104861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.9 | 77.0 | 115.6 |
| 141 | 29.8 | 29.9 | 44.9# |

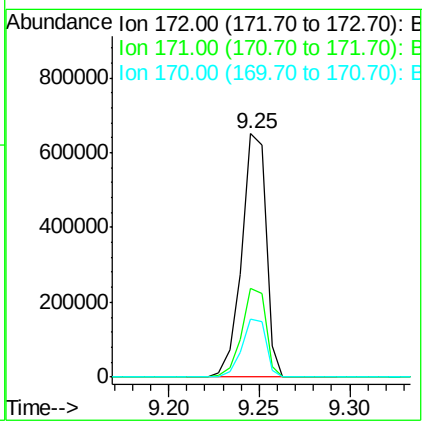


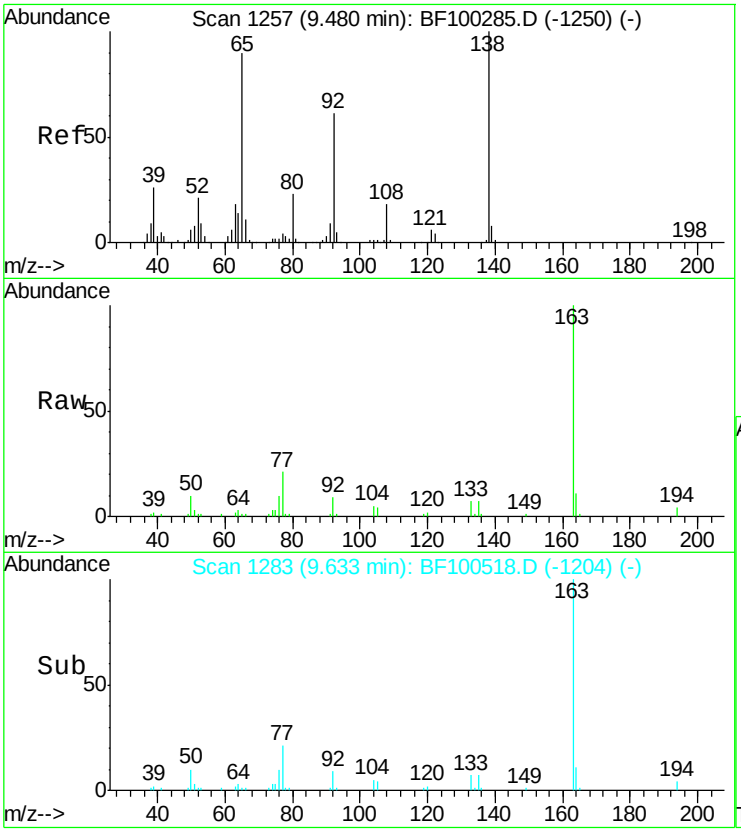




#44
2-Fluorobiphenyl
Concen: 77.02 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:172 Resp: 606866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 23.8 | 19.6 | 29.4 |



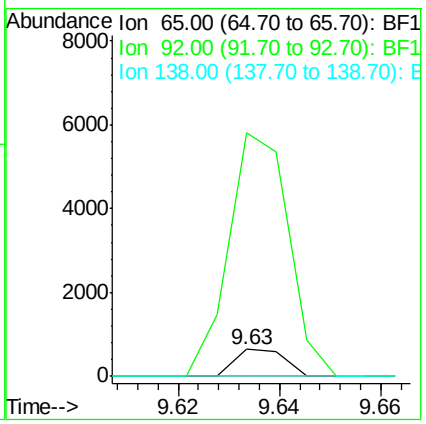


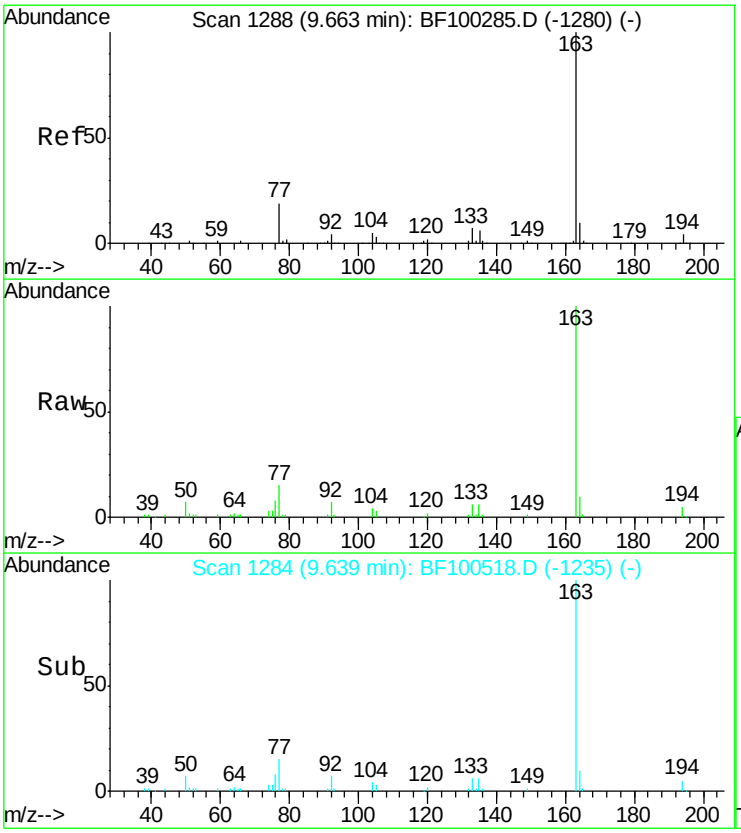

#47
2-Nitroaniline
Concen: 2.97 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.16 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :** BNA_F
**ClientSampleId :** 3N-18

Tgt Ion: 65 Resp: 439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 910.7 | 55.8 | 83.6# |
| 138 | 0.0 | 91.2 | 136.8# |

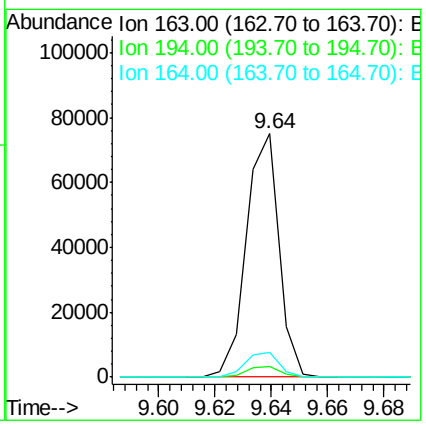


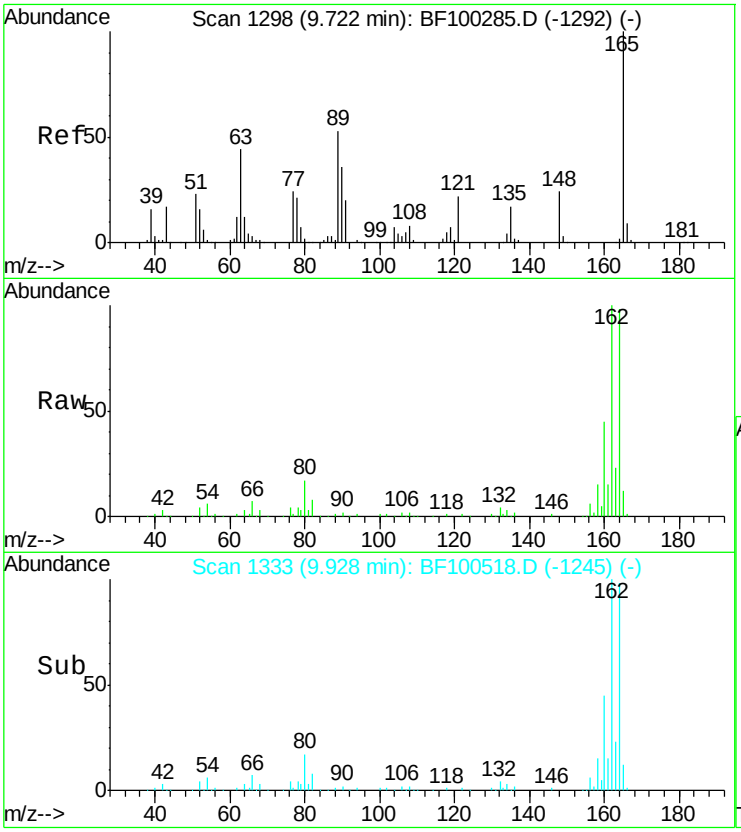




#49
Dimethylphthalate
Concen: 6.55 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:163 Resp: 60006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.6 | 2.7 | 4.1# |
| 164 | 10.0 | 8.2 | 12.2 |



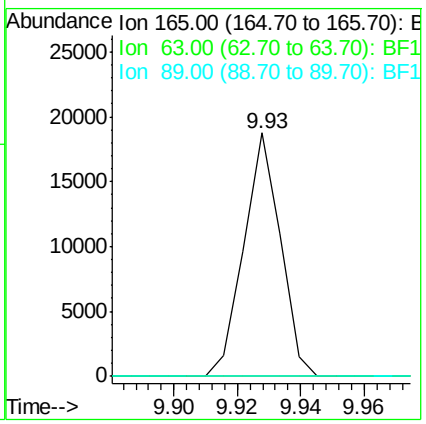


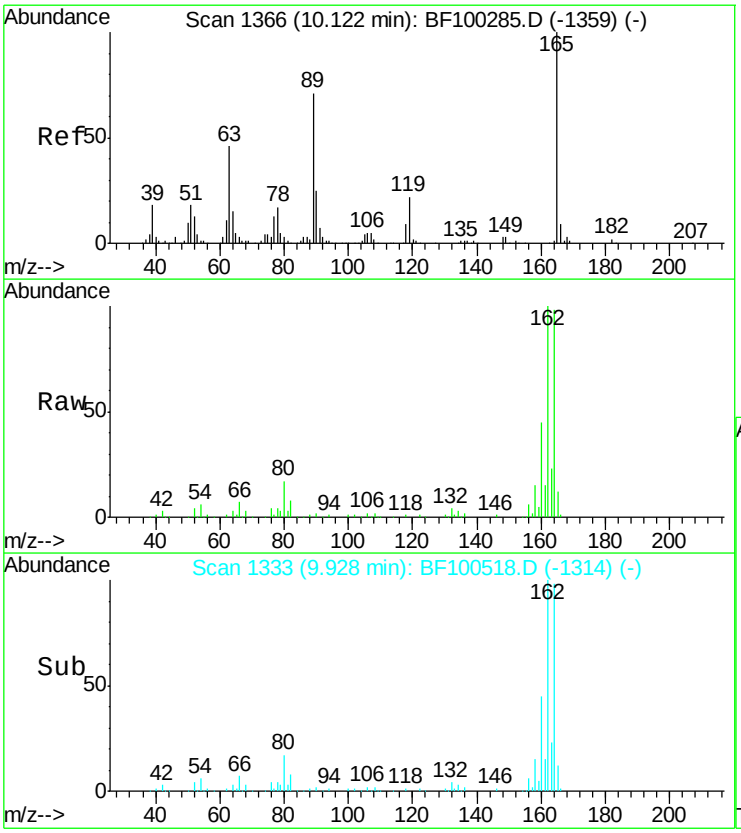

#50
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:165 Resp: 14994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |

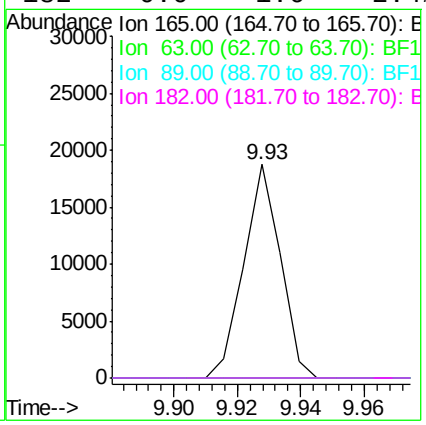


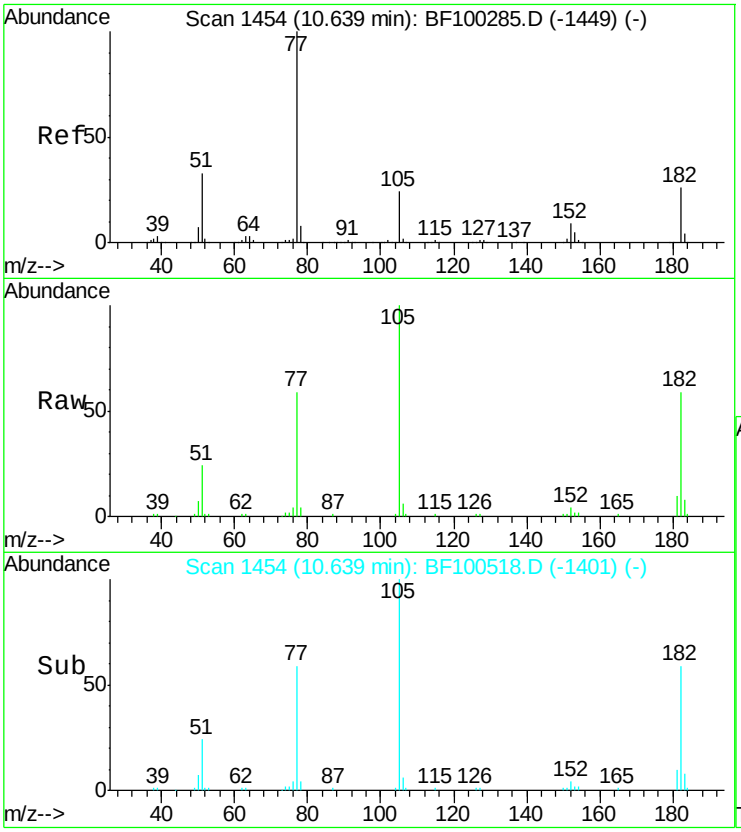




#56
2,4-Dinitrotoluene
Concen: 6.55 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:165 Resp: 14994

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



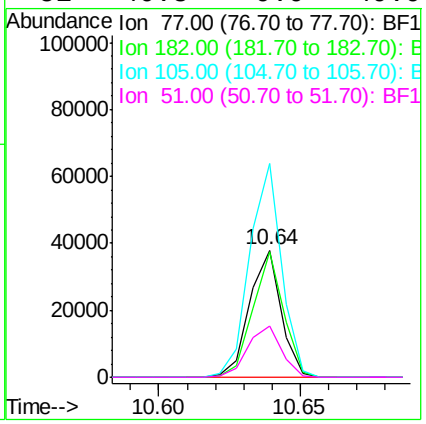


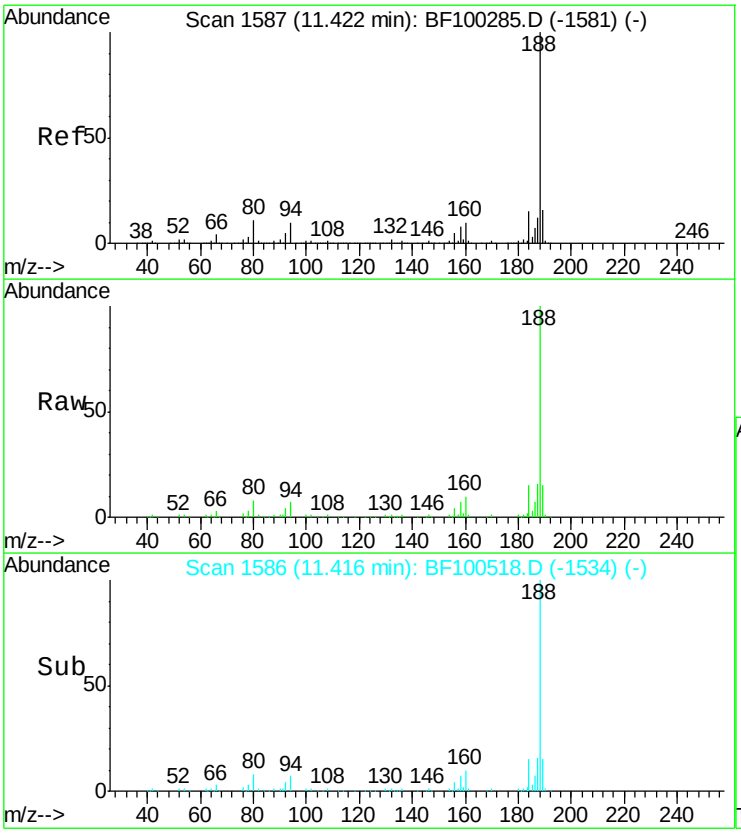

#62
Azobenzene
Concen: 3.40 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion: 77 Resp: 29378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 98.7 | 1.7 | 41.7# |
| 105 | 168.4 | 3.0 | 43.0# |
| 51 | 40.8 | 9.9 | 49.9 |

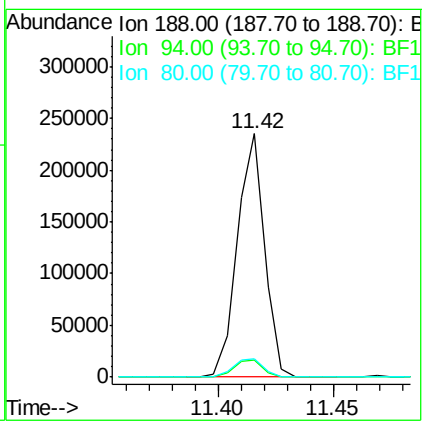


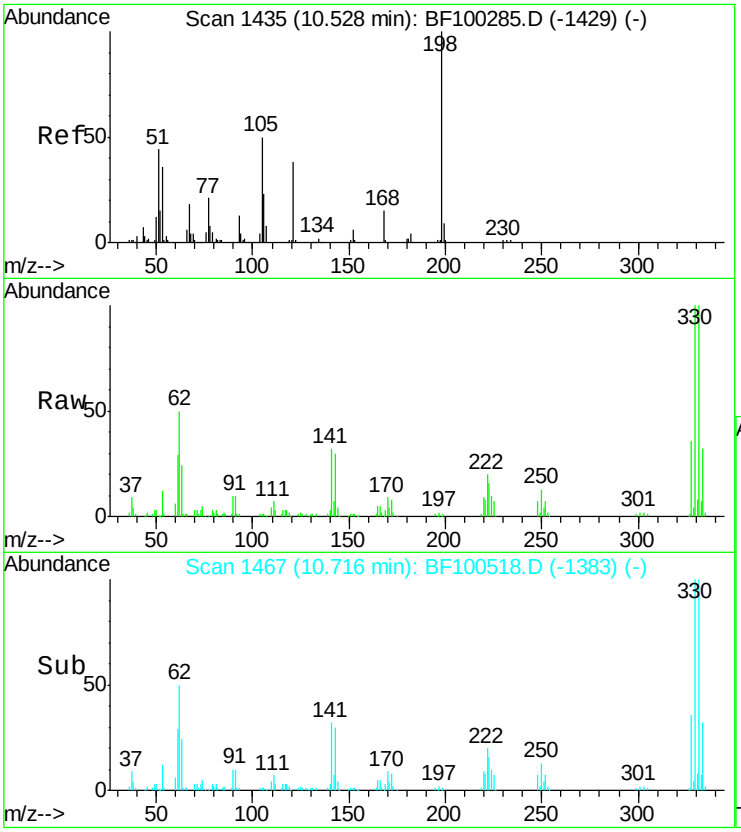




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:188 Resp: 193914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 8.5 | 12.7# |
| 80 | 7.7 | 9.2 | 13.8# |



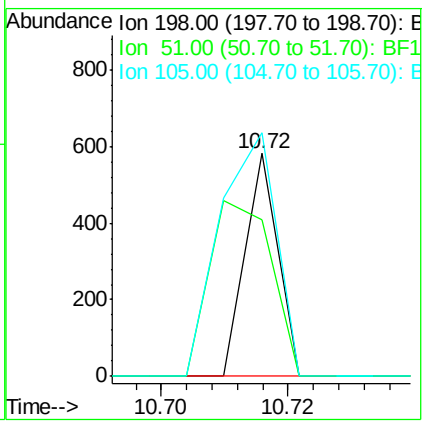


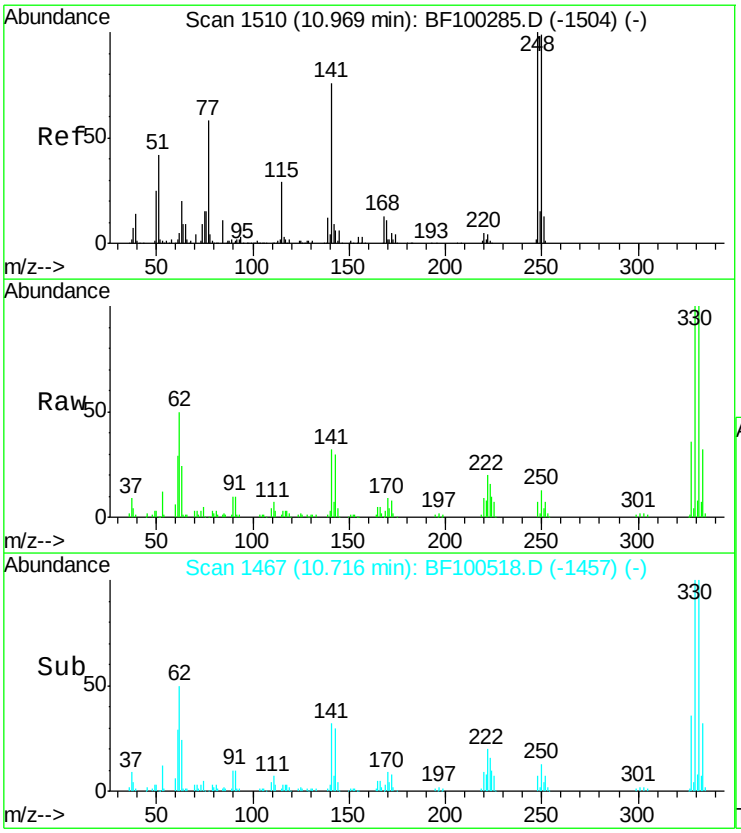

#64
4,6-Dinitro-2-methylphenol
Concen: 8.74 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:198 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 70.6 | 37.7 | 77.7 |
| 105 | 109.5 | 36.3 | 76.3# |

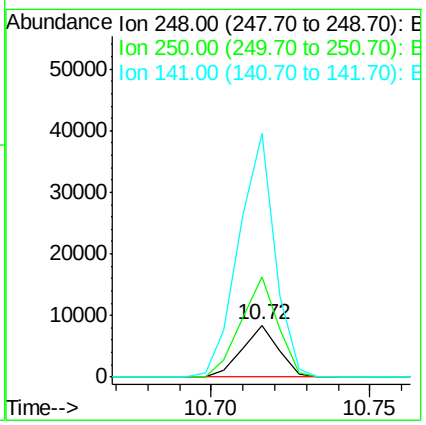


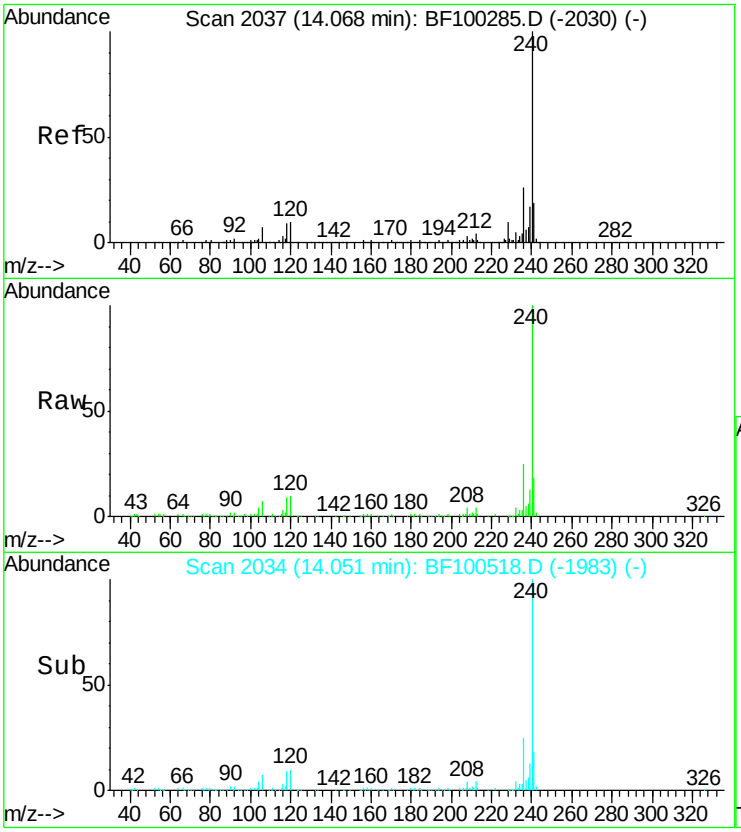




#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:248 Resp: 6694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.4 | 76.9 | 115.3# |
| 141 | 469.4 | 74.4 | 111.6# |



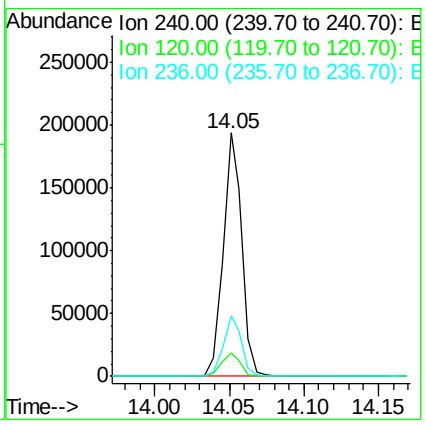


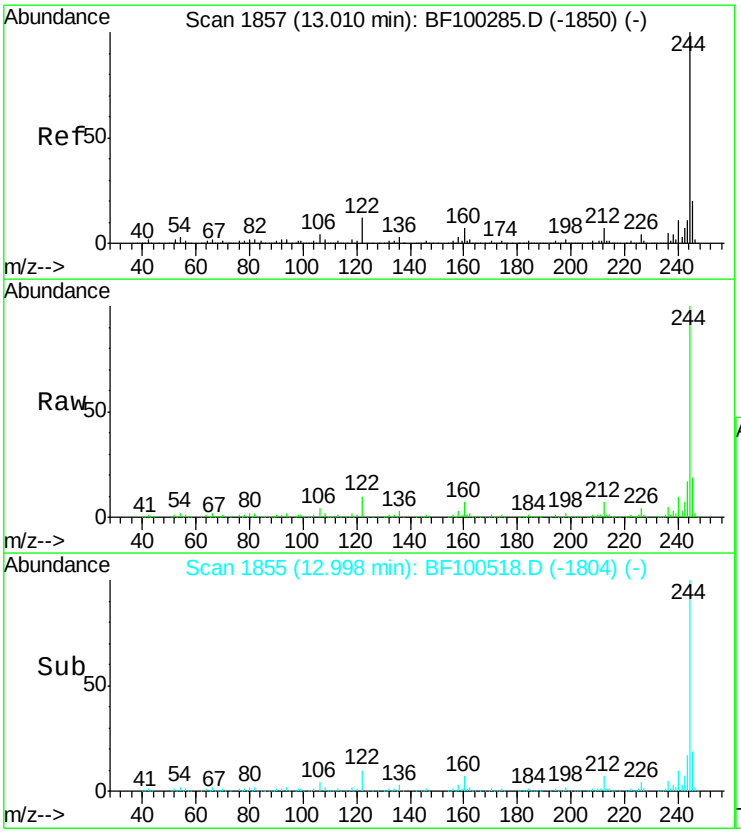

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:240 Resp: 170864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 9.5 | 14.3 |
| 236 | 24.8 | 20.7 | 31.1 |

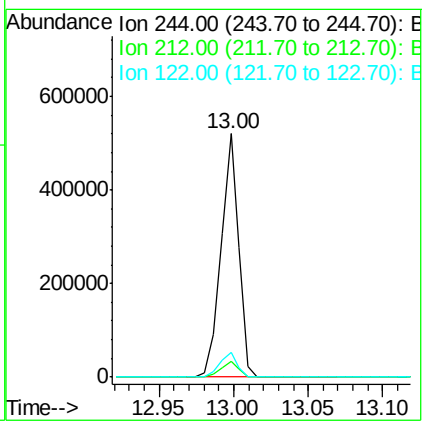


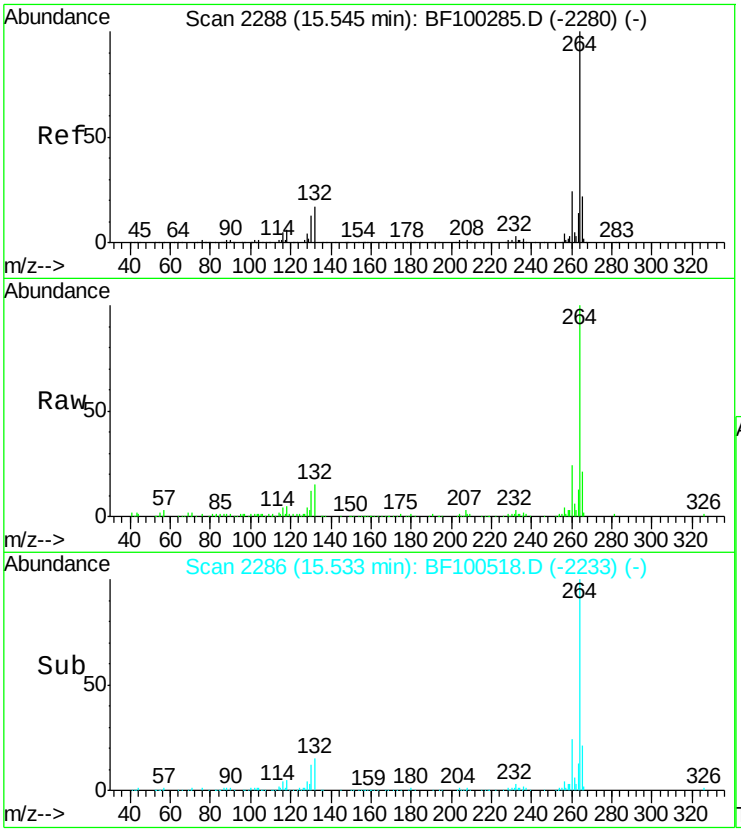




#78
Terphenyl-d14
Concen: 58.61 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

Tgt Ion:244 Resp: 435814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 10.3 | 11.0 | 16.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF100518.D
Acq: 13 Nov 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
3N-18

Tgt Ion:264 Resp: 123283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.2 | 17.5 | 26.3 |