Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091948.D
Acq On : 24 Dec 2016 3:46
Operator : UM/SJ
Sample : H6205-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Time: Dec 24 04:36:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 209428 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.03 | 136 | 815942 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 418757 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 575949 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.88 | 240 | 396999 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.29 | 264 | 375815 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 1075372 | 85.74 | ng | | 0.02 |
| 7) Phenol-d6 | 6.42 | 99 | 648979 | 42.38 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 1306125 | 89.01 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 393814 | 113.64 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 2014984 | 101.02 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.84 | 244 | 1496273 | 91.41 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.29 | 77 | 70745 | 6.05 | ng | # | 1 |
| 15) Benzyl Alcohol | 6.90 | 79 | 25868 | 2.17 | ng | # | 34 |
| 18) Hexachloroethane | 7.23 | 117 | 24563 | 4.27 | ng | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 179143 | 17.58 | ng | # | 78 |
| 22) Acetophenone | 7.14 | 105 | 69302 | 3.44 | ng | # | 53 |
| 24) Nitrobenzene | 7.28 | 77 | 44875 | 2.87 | ng | # | 13 |
| 31) Naphthalene | 8.04 | 128 | 281622 | 7.54 | ng | | 98 |
| 33) 4-Chloroaniline | 8.04 | 127 | 45563 | 2.71 | ng | # | 34 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 194581 | 6.28 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 51841 | 8.84 | ng | # | 31 |
| 56) 2,4-Dinitrotoluene | 9.78 | 165 | 51841 | 7.05 | ng | # | 20 |
| 66) 4-Bromophenyl-phenylether | 10.57 | 248 | 26112 | 4.36 | ng | # | 1 |
| 71) Anthracene | 11.28 | 178 | 672 | Below Cal | | # | 59 |
| 73) Di-n-butylphthalate | 11.82 | 149 | 3346 | Below Cal | | # | 92 |
| 74) Fluoranthene | 12.46 | 202 | 236 | Below Cal | | | 61 |

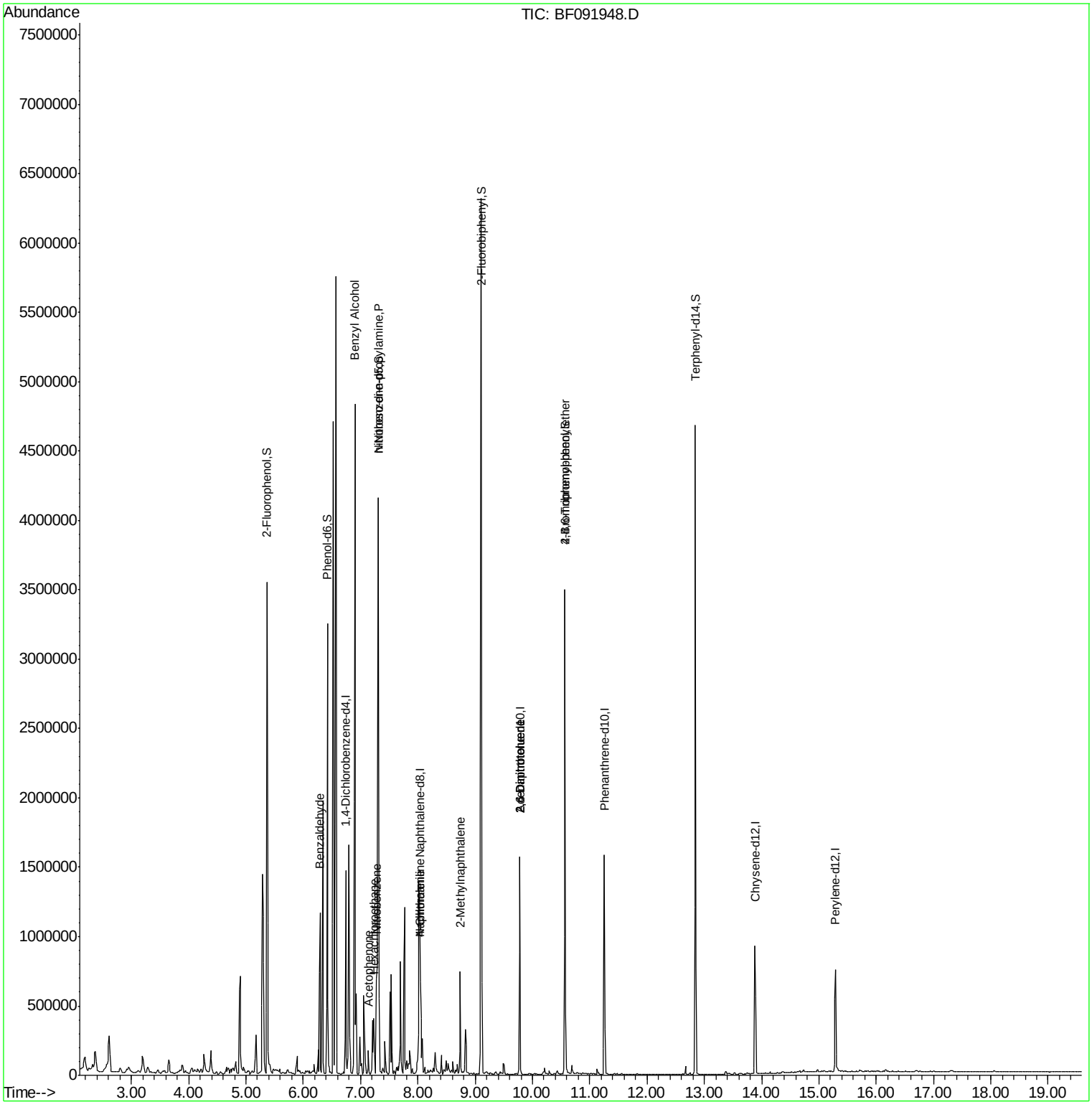
(#) = qualifier out of range (m) = manual integration (+) = signals summed

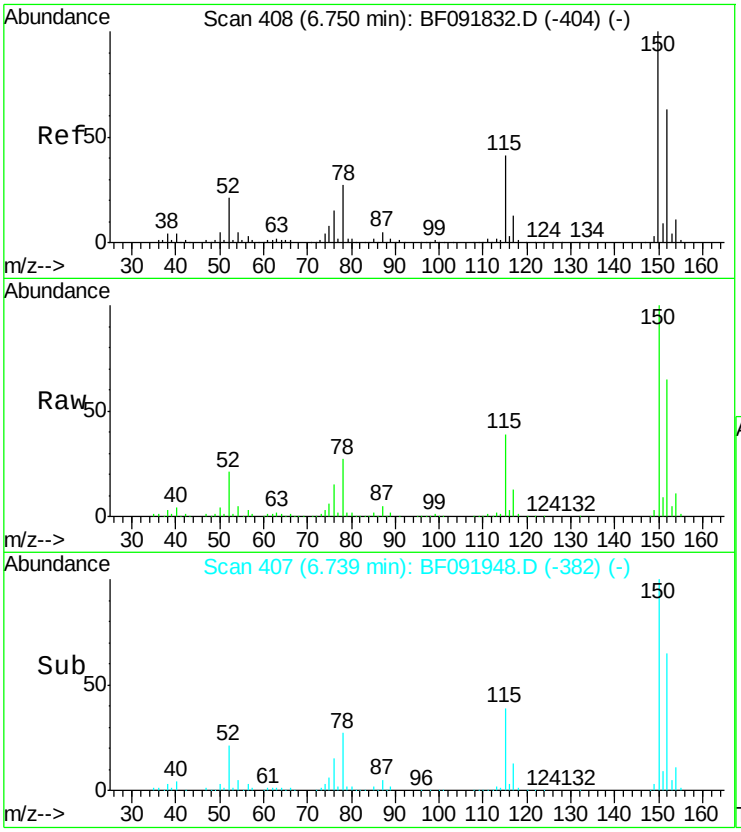
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091948.D
Acq On : 24 Dec 2016 3:46
Operator : UM/SJ
Sample : H6205-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Quant Time: Dec 24 04:36:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration



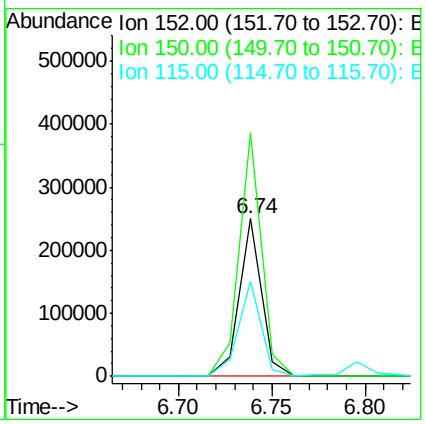


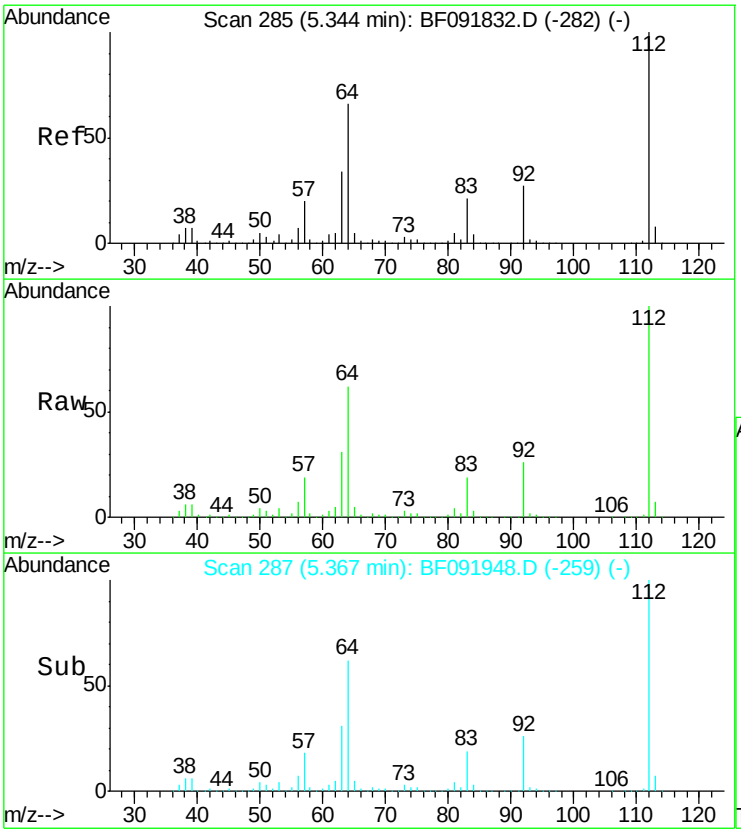

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:152 Resp: 209428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.4 | 124.9 | 187.3 |
| 115 | 60.5 | 46.0 | 69.0 |

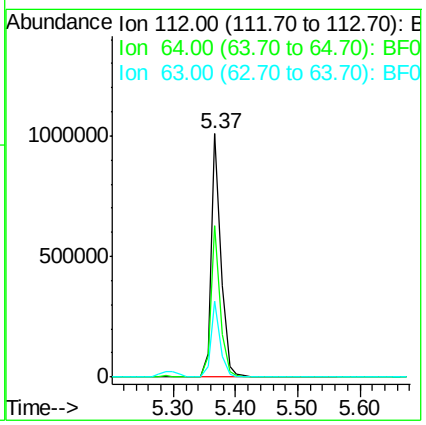


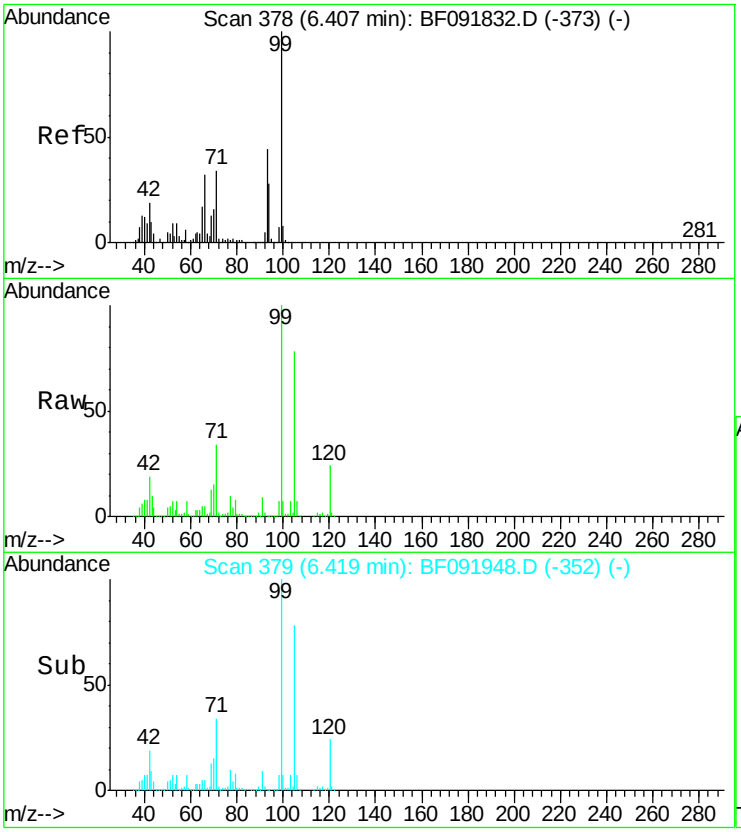




#5
2-Fluorophenol
Concen: 85.74 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.02 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:112 Resp: 1075372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 46.1 | 69.1 |
| 63 | 31.1 | 23.8 | 35.6 |



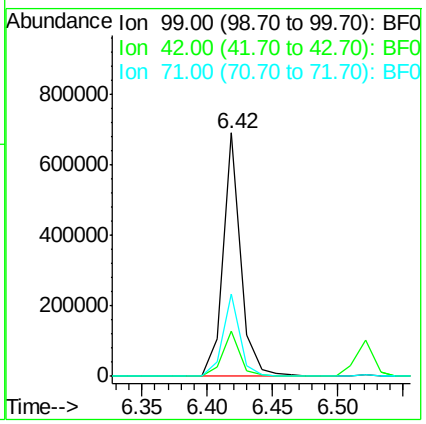


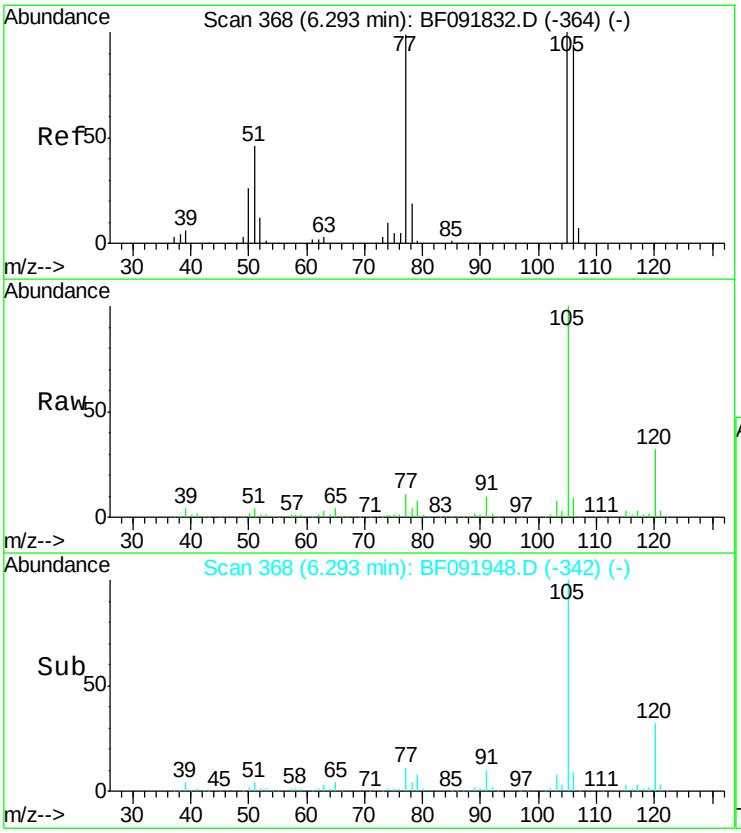

#7
Phenol-d6
Concen: 42.38 ng
RT: 6.42 min Scan# 379
Delta R.T. 0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion: 99 Resp: 648979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.6 | 23.4 |
| 71 | 34.1 | 27.5 | 41.3 |

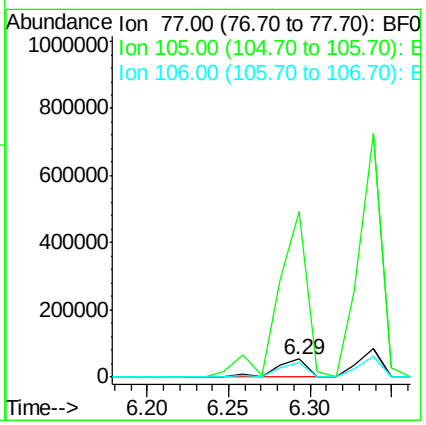


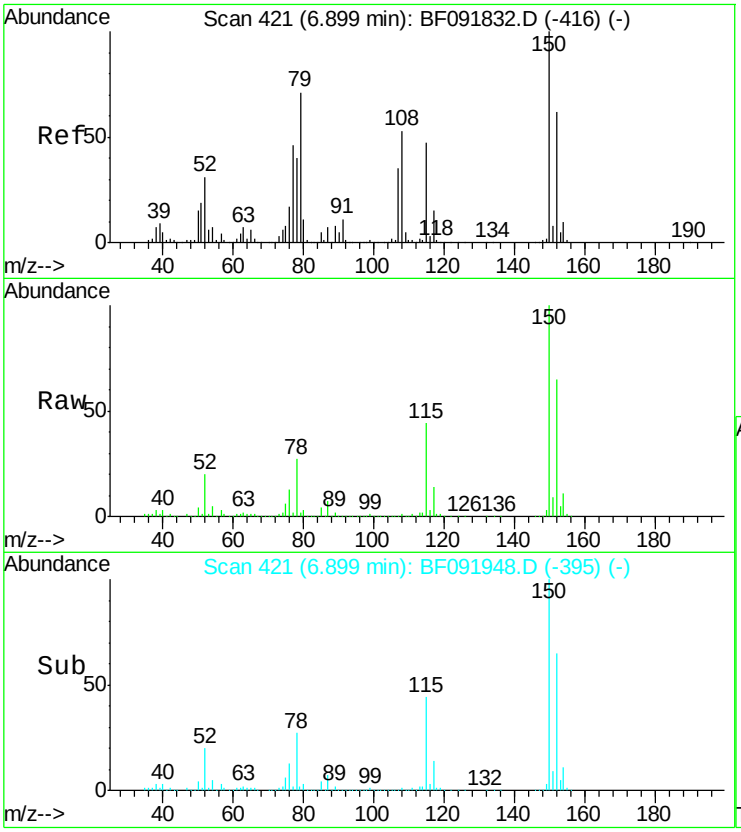




#9
Benzaldehyde
Concen: 6.05 ng
RT: 6.29 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion: 77 Resp: 70745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 923.8 | 83.9 | 123.9# |
| 106 | 79.5 | 77.6 | 117.6 |



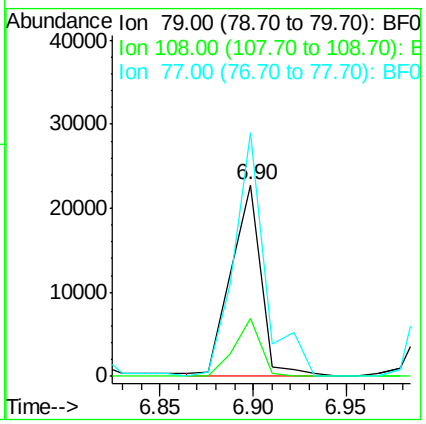


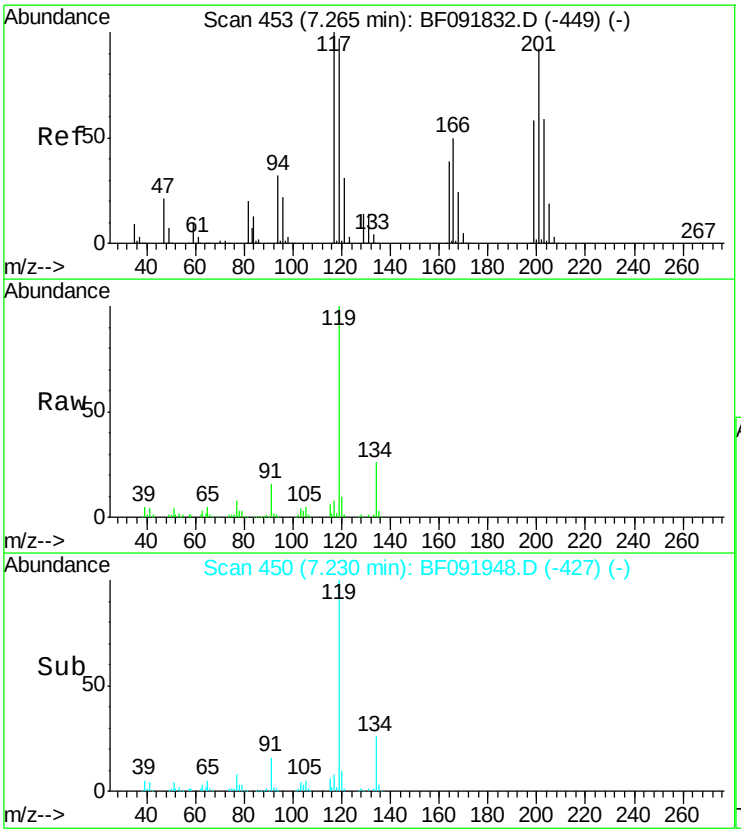

#15
Benzyl Alcohol
Concen: 2.17 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion: 79 Resp: 25868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 30.1 | 61.4 | 92.0# |
| 77 | 127.0 | 50.9 | 76.3# |

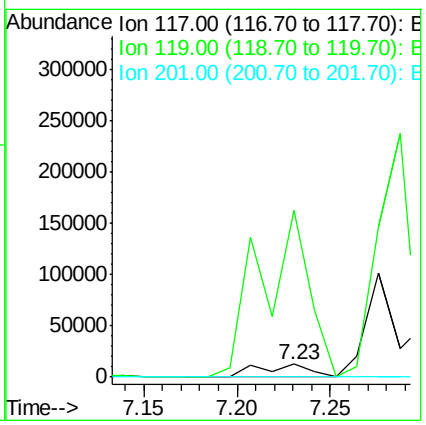


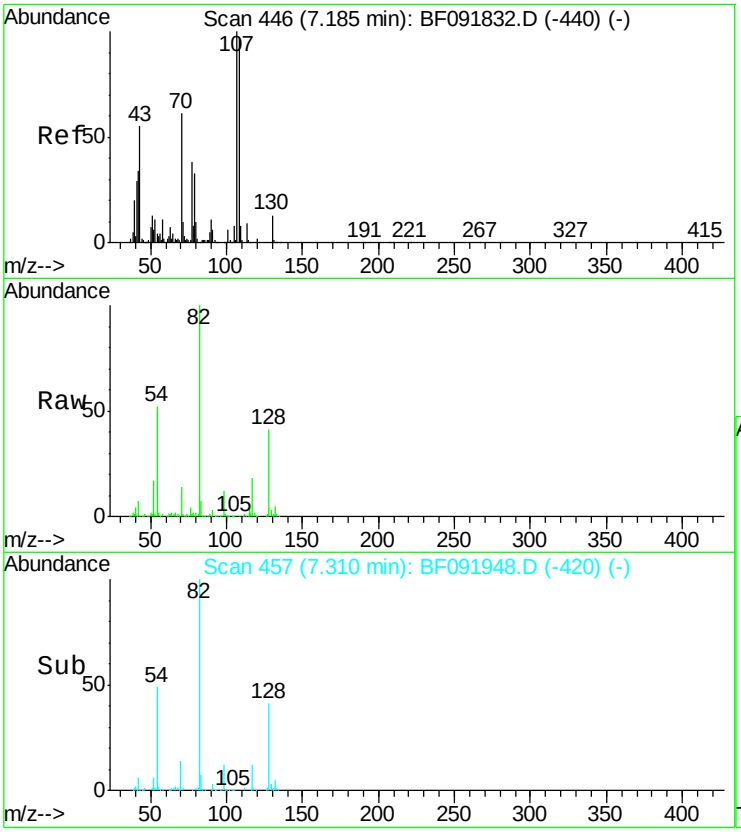




#18
Hexachloroethane
Concen: 4.27 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:117 Resp: 24563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 1292.7 | 78.1 | 117.1# |
| 201 | 0.0 | 78.6 | 117.8# |



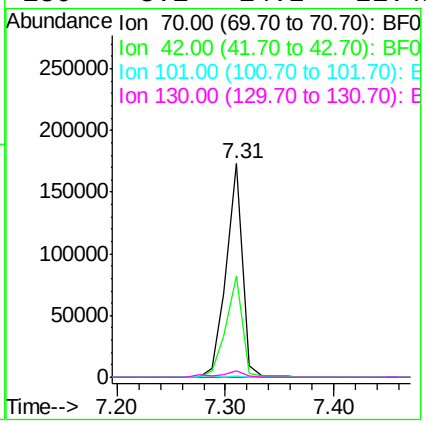


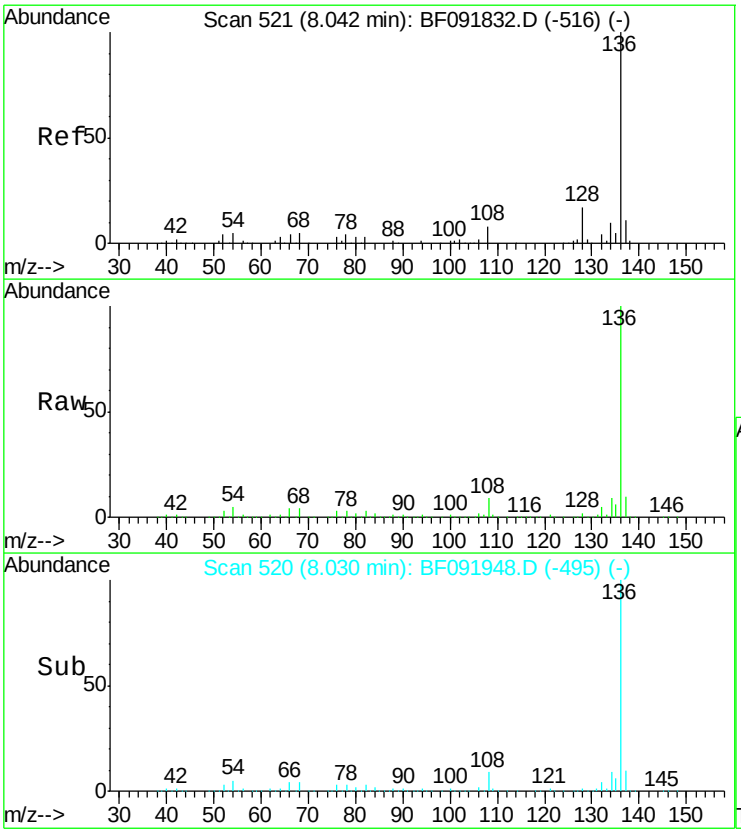

#19
n-Nitroso-di-n-propylamine
Concen: 17.58 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion: 70 Resp: 179143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.1 | 49.4 | 74.0# |
| 101 | 0.7 | 7.4 | 11.2# |
| 130 | 3.1 | 14.2 | 21.4# |

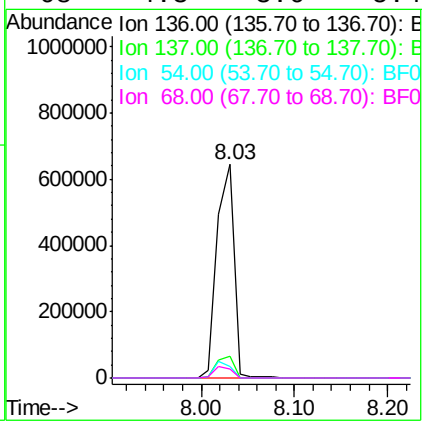


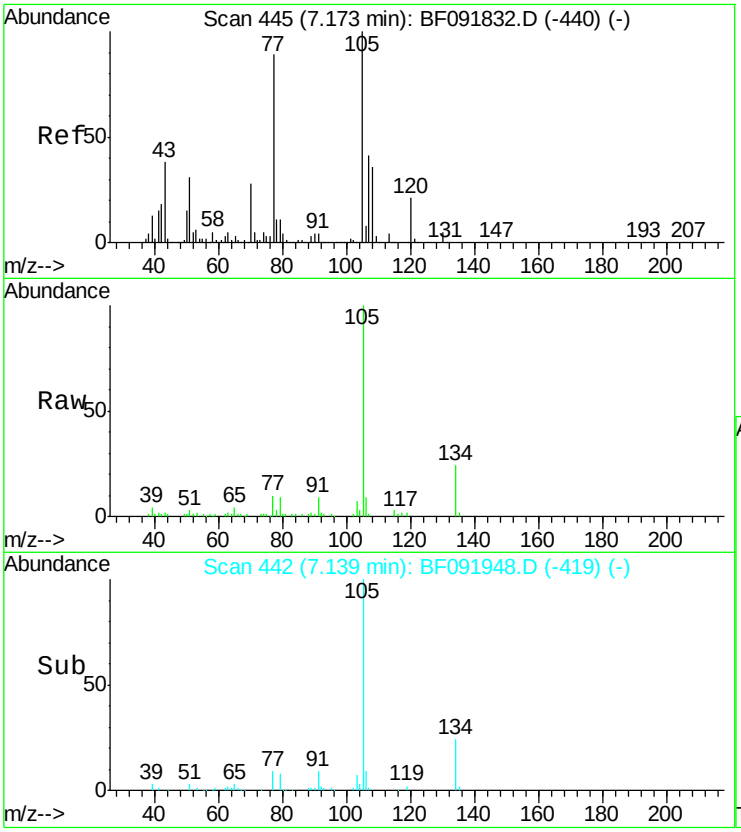




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:136 Resp: 815942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 5.3 | 4.5 | 6.7 |
| 68 | 4.3 | 3.6 | 5.4 |



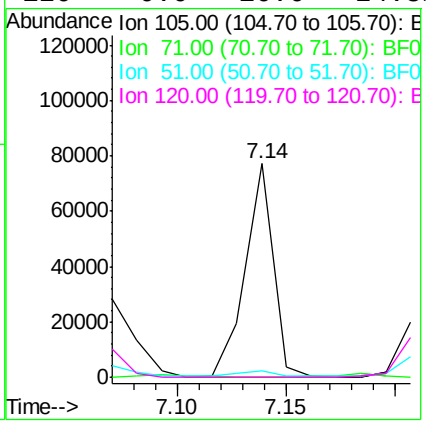


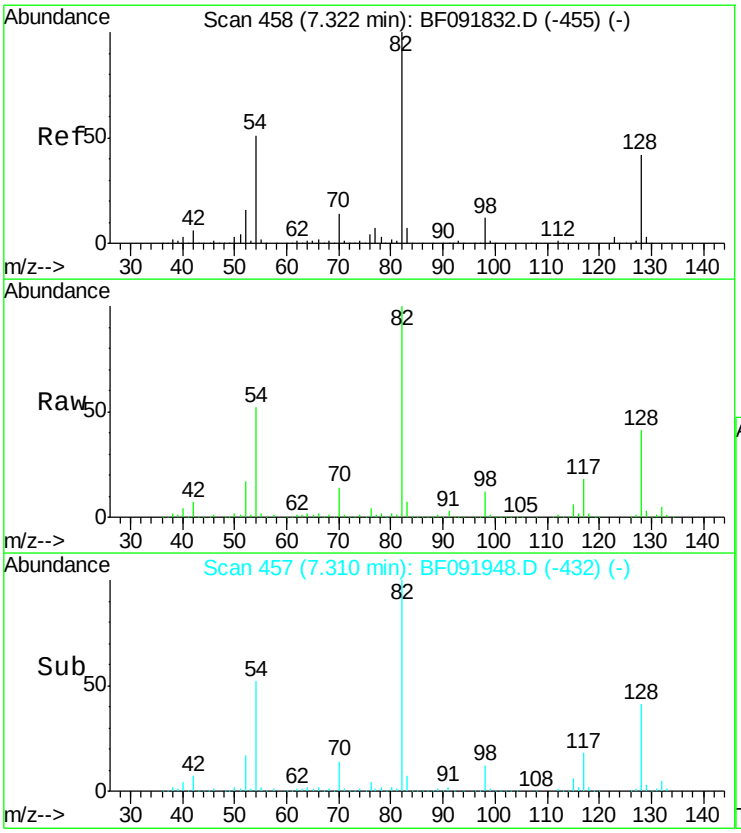

#22
Acetophenone
Concen: 3.44 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.03 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:105 Resp: 69302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 0.0 | 3.2 | 4.8# |
| 51 | 3.2 | 26.2 | 39.4# |
| 120 | 0.0 | 16.6 | 24.8# |

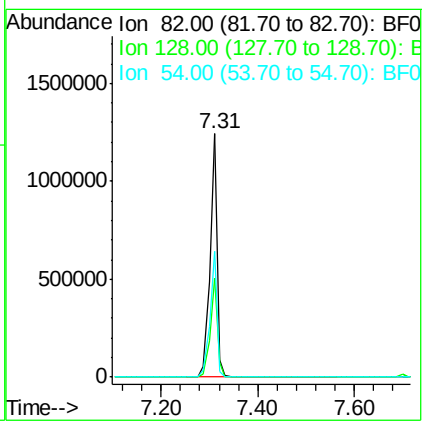


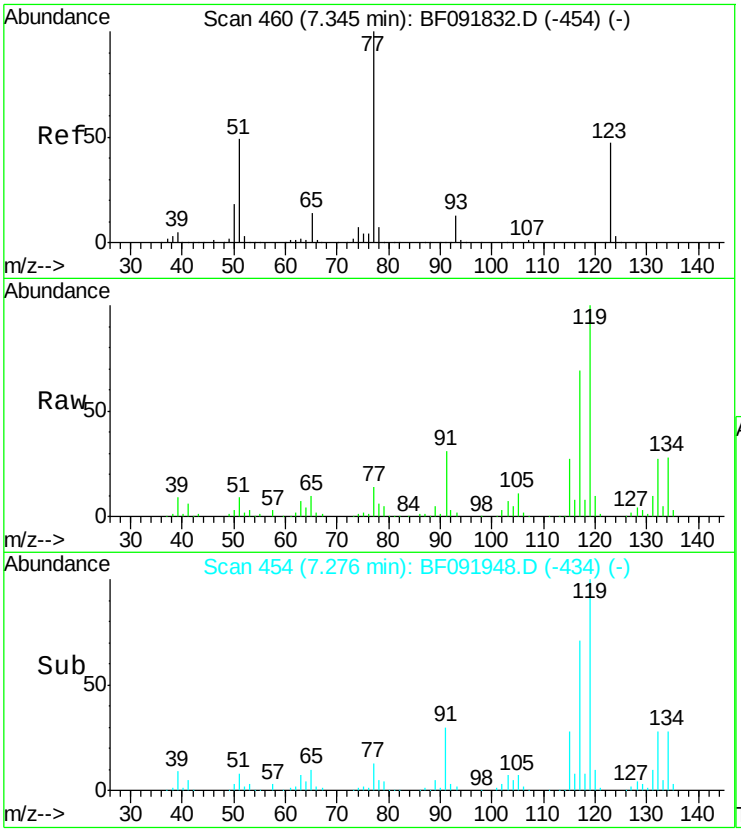




#23
Nitrobenzene-d5
Concen: 89.01 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion: 82 Resp: 1306125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.8 | 34.6 | 52.0 |
| 54 | 51.6 | 39.5 | 59.3 |



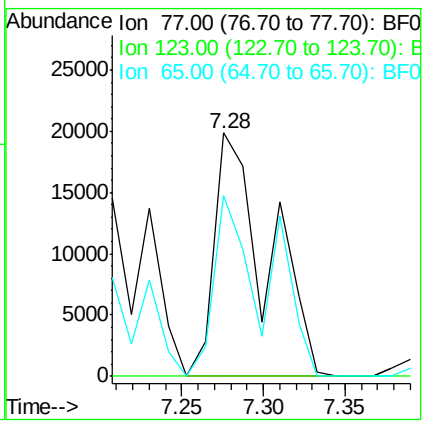


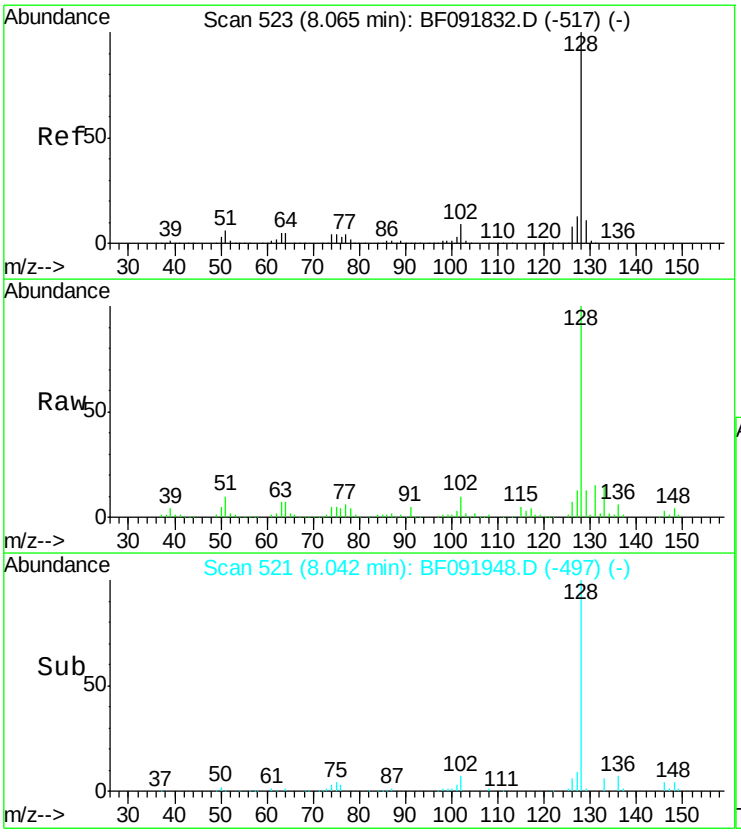

#24
Nitrobenzene
Concen: 2.87 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.07 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion: 77 Resp: 44875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 33.0 | 49.4# |
| 65 | 74.4 | 11.2 | 16.8# |

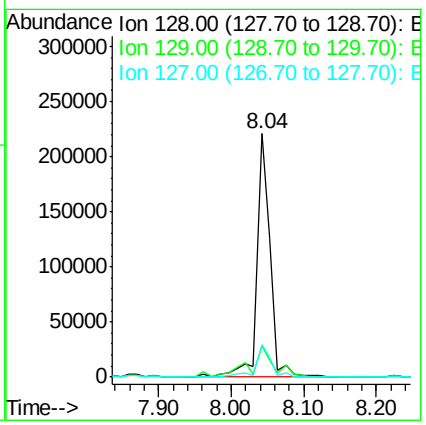


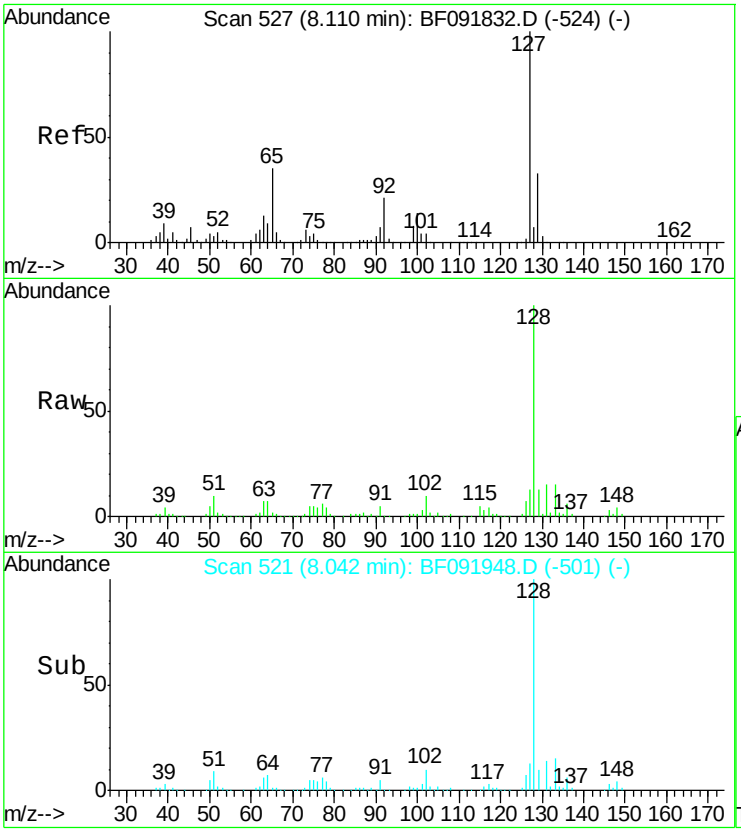




#31
Naphthalene
Concen: 7.54 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:128 Resp: 281622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.0 | 9.5 | 14.3 |
| 127 | 13.3 | 10.8 | 16.2 |



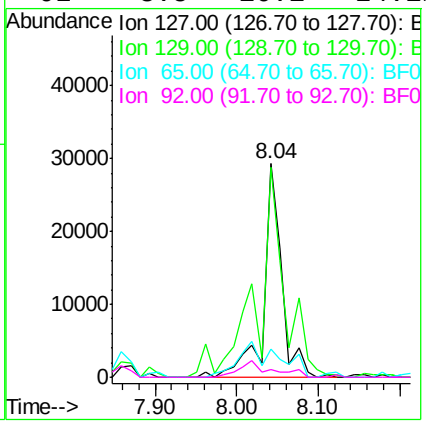


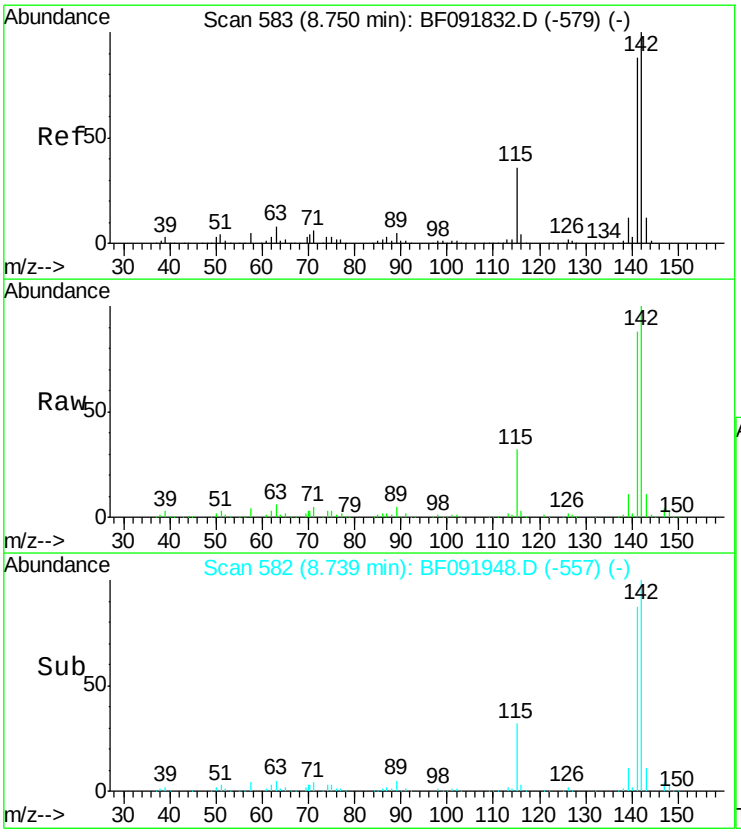

#33
4-Chloroaniline
Concen: 2.71 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.07 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:127 Resp: 45563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 98.1 | 26.3 | 39.5# |
| 65 | 13.3 | 25.8 | 38.8# |
| 92 | 3.5 | 16.1 | 24.1# |

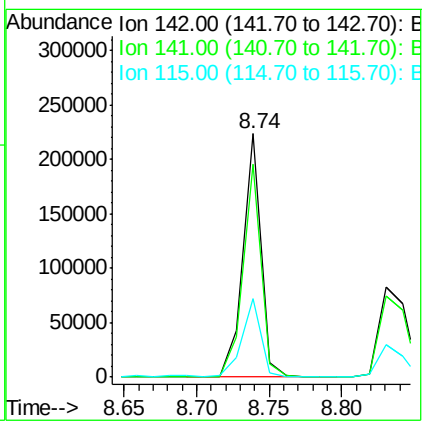


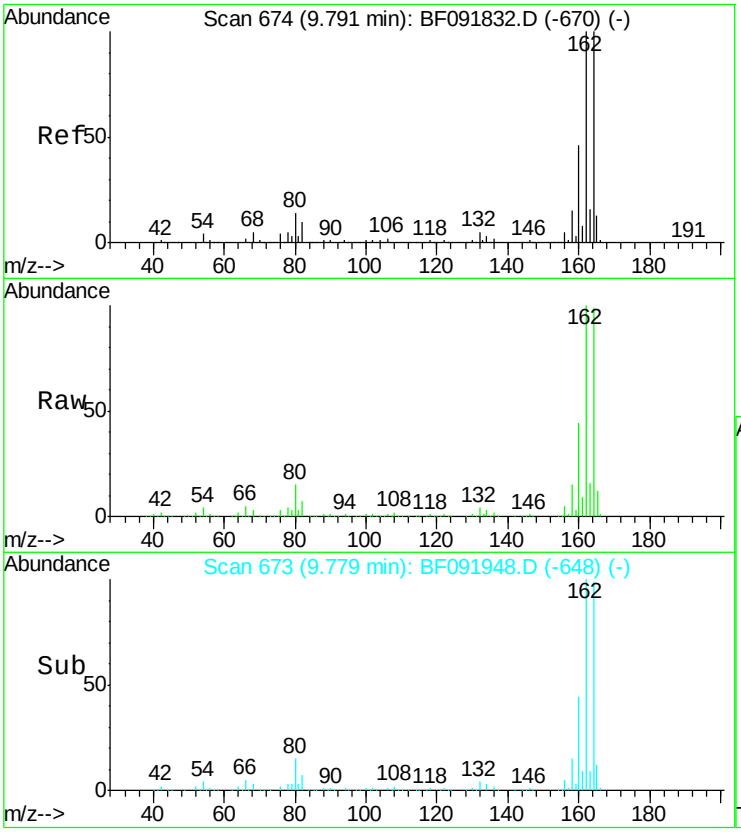




#37
2-Methylnaphthalene
Concen: 6.28 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:142 Resp: 194581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 71.0 | 106.6 |
| 115 | 32.1 | 28.3 | 42.5 |



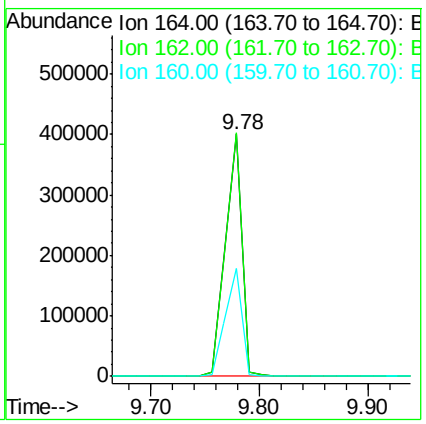


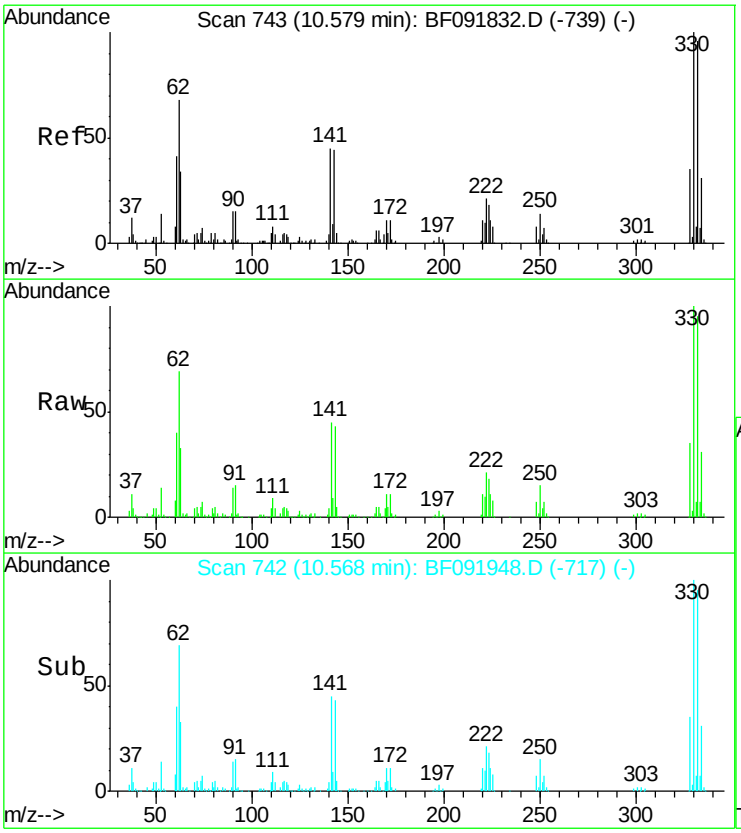

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:164 Resp: 418757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 80.2 | 120.2 |
| 160 | 44.4 | 36.9 | 55.3 |

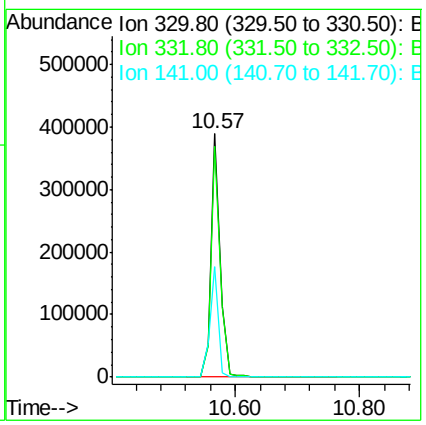


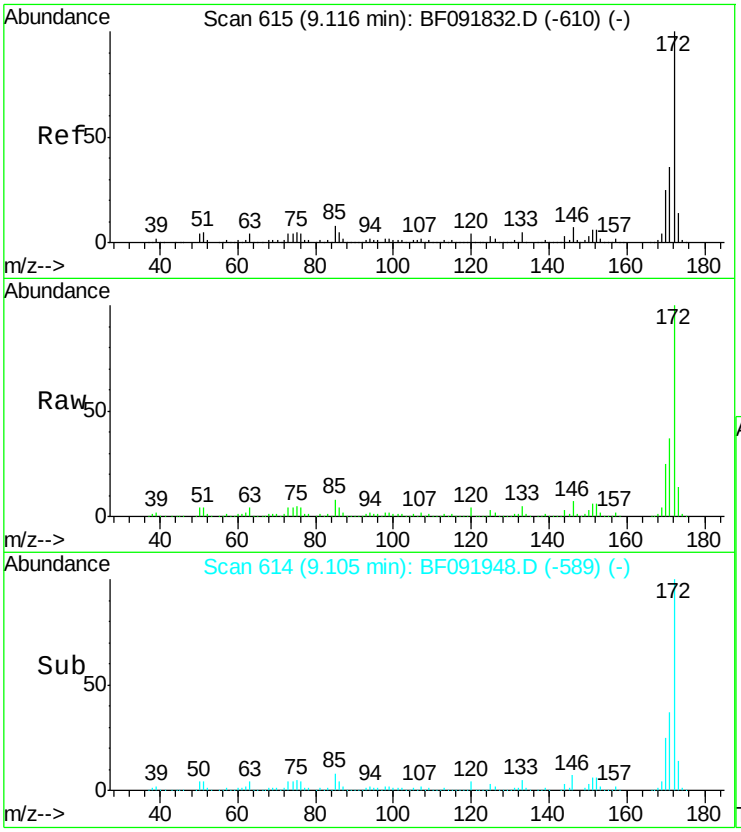




#41
2,4,6-Tribromophenol
Concen: 113.64 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:330 Resp: 393814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 77.4 | 116.2 |
| 141 | 42.4 | 34.1 | 51.1 |



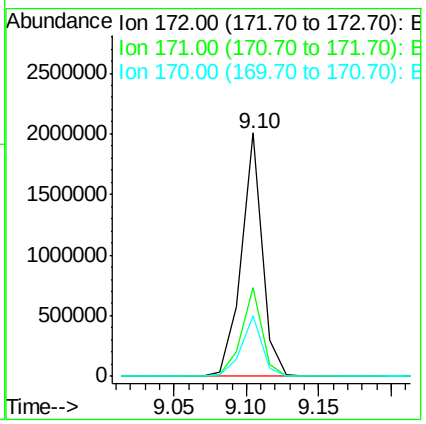


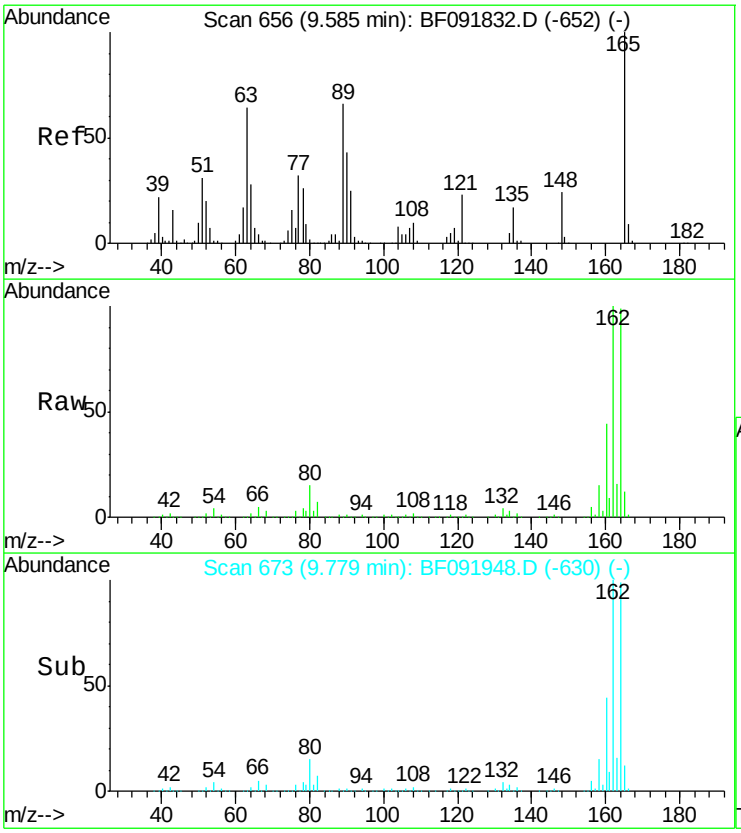

#44
2-Fluorobiphenyl
Concen: 101.02 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:172 Resp: 2014984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.4 | 44.0 |
| 170 | 25.0 | 20.2 | 30.4 |

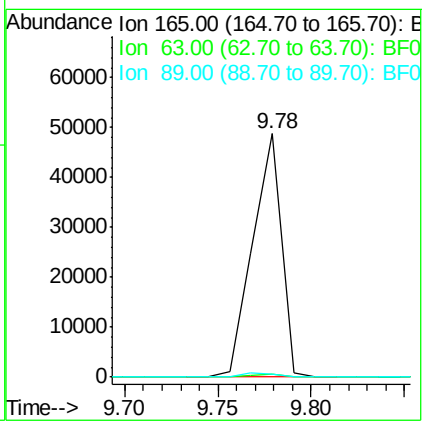


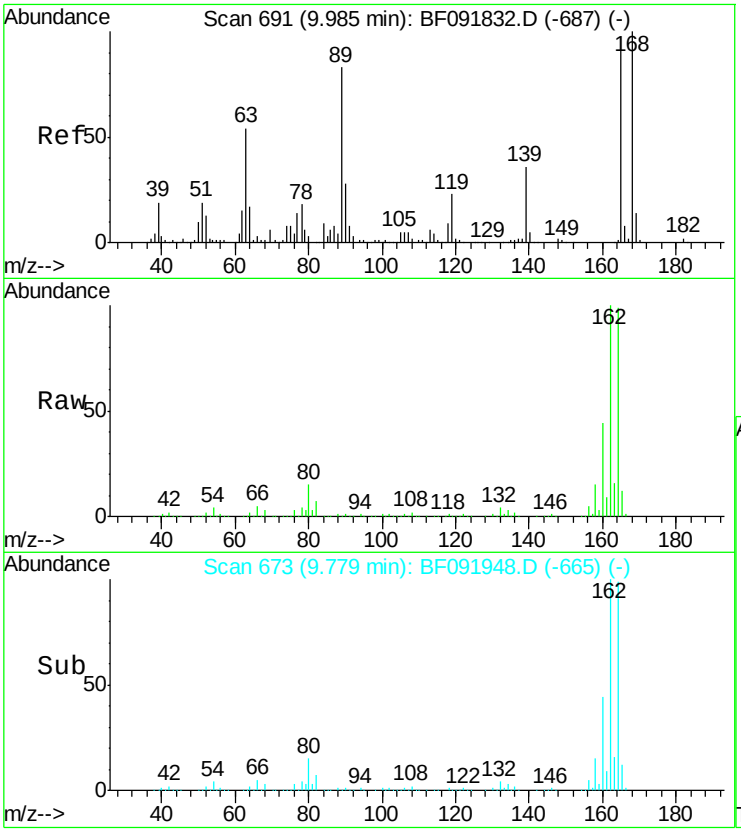




#50
2,6-Dinitrotoluene
Concen: 8.84 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.19 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:165 Resp: 51841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 36.2 | 54.4# |
| 89 | 1.1 | 40.2 | 60.4# |



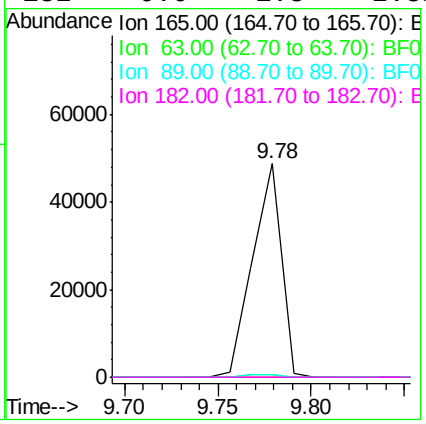


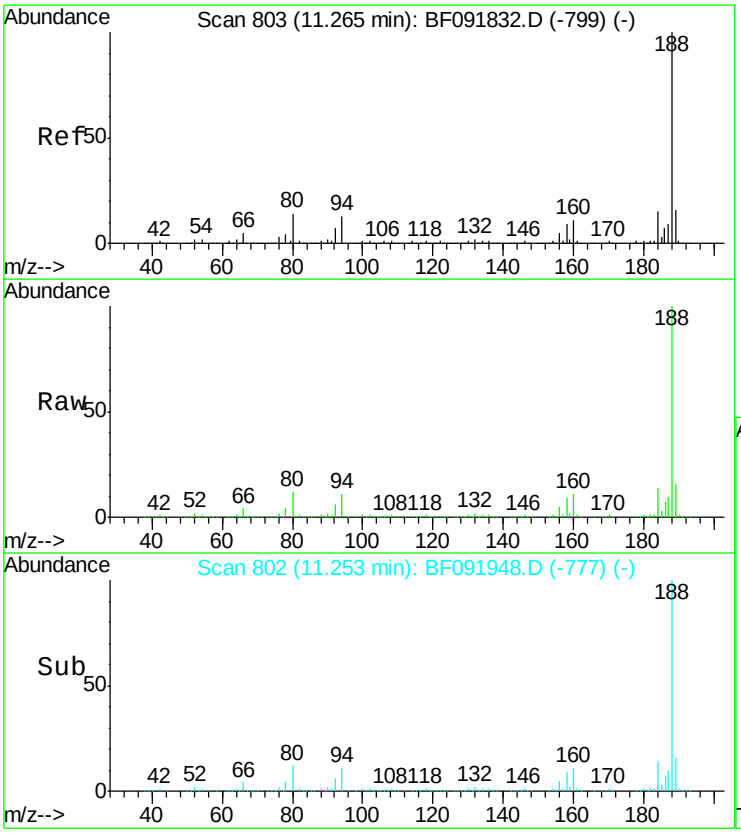

#56
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.21 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:165 Resp: 51841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 40.2 | 60.4# |
| 89 | 1.1 | 62.5 | 93.7# |
| 182 | 0.0 | 1.8 | 2.8# |

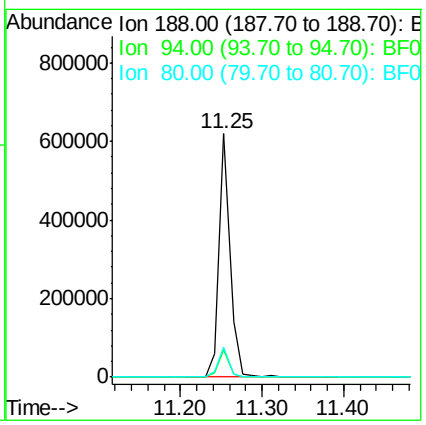


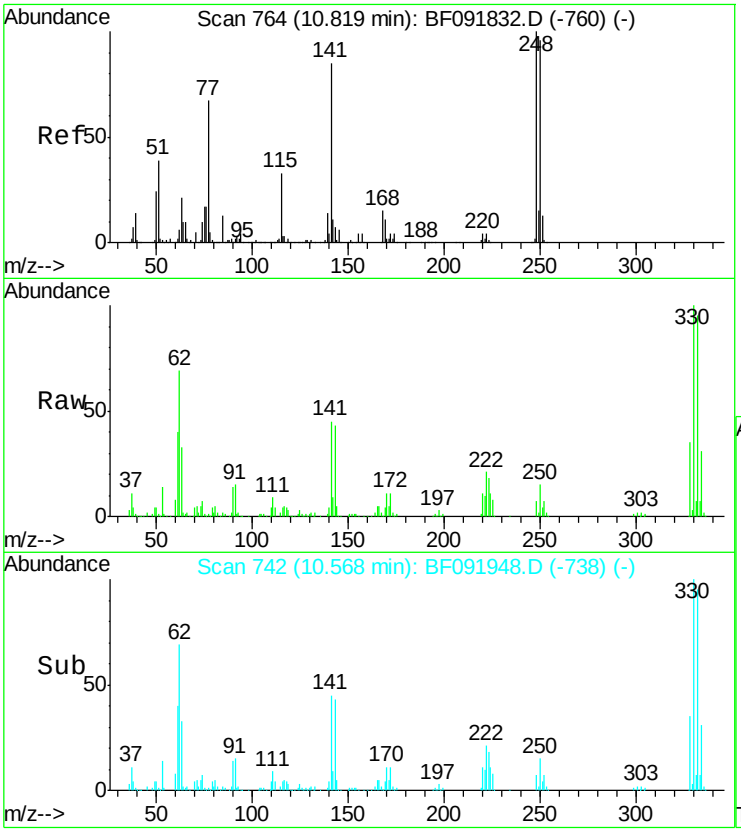




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:188 Resp: 575949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 10.0 | 15.0 |
| 80 | 12.3 | 11.2 | 16.8 |



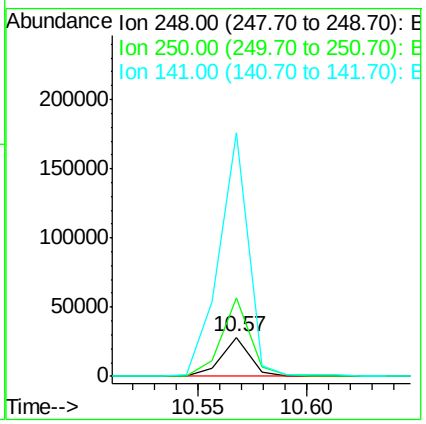


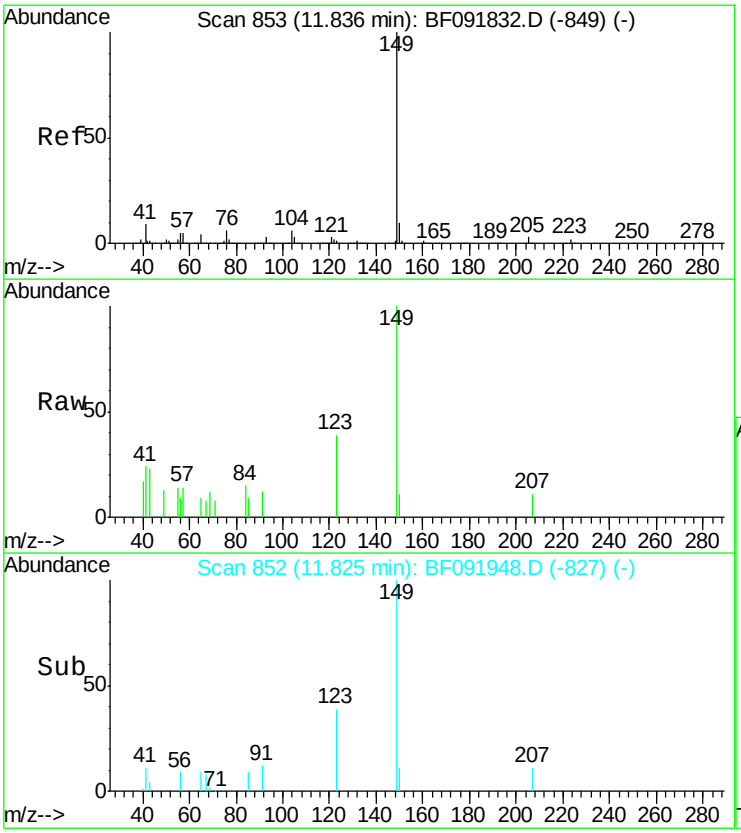

#66
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:248 Resp: 26112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.2 | 76.9 | 115.3# |
| 141 | 619.3 | 68.2 | 102.4# |

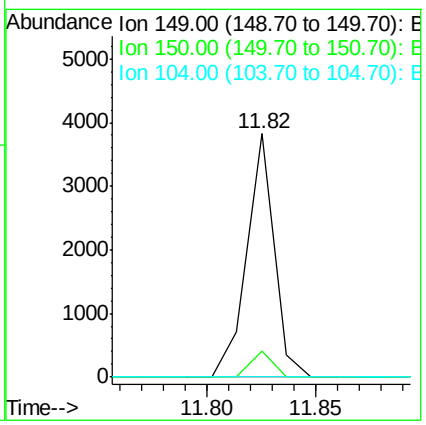


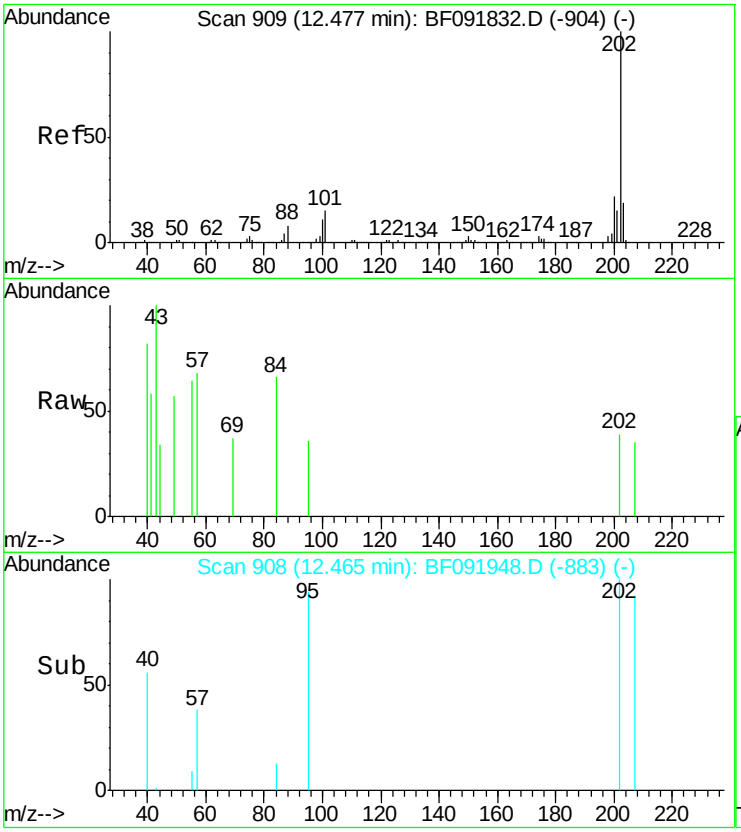




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.82 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:149 Resp: 3346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.9 | 8.1 | 12.1 |
| 104 | 0.0 | 4.6 | 7.0# |



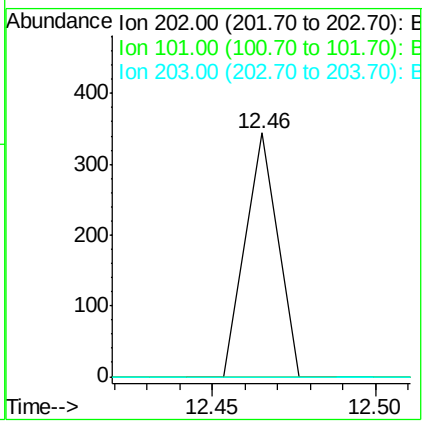


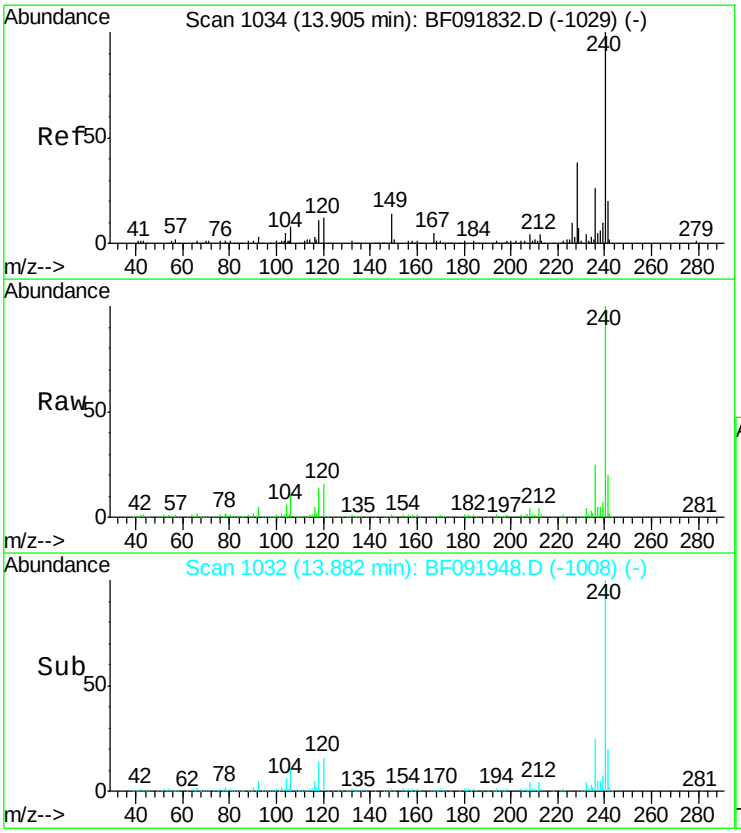

#74
Fluoranthene
Concen: Below Cal
RT: 12.46 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:202 Resp: 236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 34.6 |
| 203 | 0.0 | 0.0 | 38.7 |

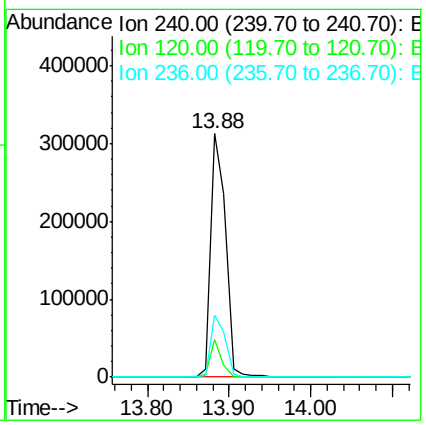


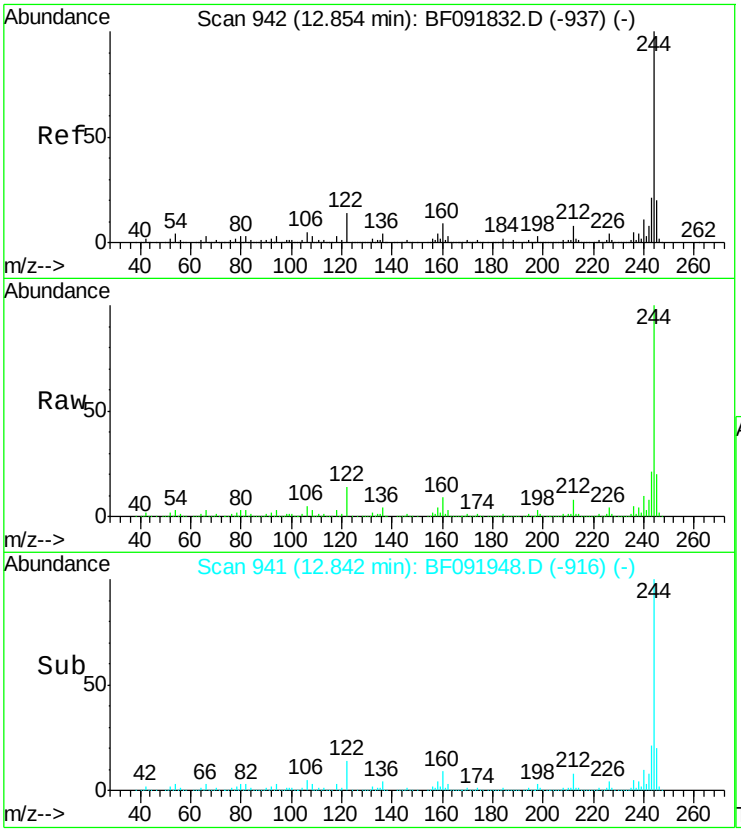




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:240 Resp: 396999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.7 | 12.9 | 19.3 |
| 236 | 25.4 | 20.9 | 31.3 |



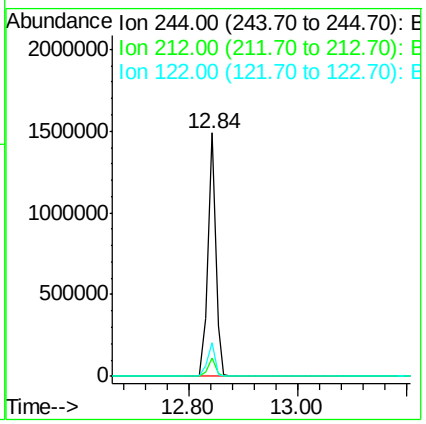


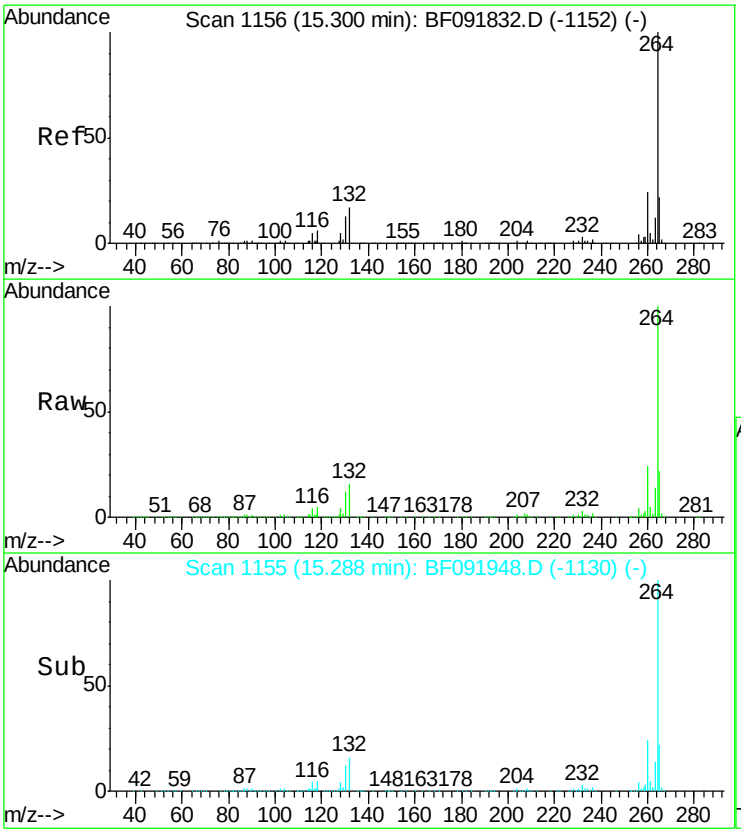

#78
Terphenyl-d14
Concen: 91.41 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

**Instrument :**
BNA_F
**ClientSampleId :**
W-18

Tgt Ion:244 Resp: 1496273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.2 | 9.2 |
| 122 | 13.7 | 11.4 | 17.2 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091948.D
Acq: 24 Dec 2016 3:46

Tgt Ion:264 Resp: 375815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.2 | 28.8 |
| 265 | 22.4 | 17.4 | 26.0 |