Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-04

Quant Time: Dec 17 22:26:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 144948 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.06 | 136 | 579033 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 265670 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 533795 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 523722 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.33 | 264 | 407842 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 925205 | 107.54 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 598354 | 55.79 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 1034788 | 99.74 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 290398 | 131.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1720132 | 111.88 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.89 | 244 | 1556224 | 67.43 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.43 | 94 | 28130 | 2.24 | ng | | 83 |
| 15) Benzyl Alcohol | 6.93 | 79 | 24491 | 2.89 | ng | # | 45 |
| 18) Hexachloroethane | 7.36 | 117 | 16300 | 4.02 | ng | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 17435 | 2.60 | ng | # | 73 |
| 20) 3+4-Methylphenols | 7.18 | 107 | 2171 | Below Cal | | # | 1 |
| 25) Isophorone | 7.58 | 82 | 42828 | 2.32 | ng | # | 1 |
| 32) Benzoic acid | 7.87 | 122 | 7921 | 6.06 | ng | # | 49 |
| 35) Caprolactam | 8.50 | 113 | 9626 | 4.46 | ng | # | 1 |
| 47) 2-Nitroaniline | 9.34 | 65 | 23066 | 4.60 | ng | # | 27 |
| 49) Dimethylphthalate | 9.55 | 163 | 48869 | 2.91 | ng | # | 1 |
| 52) 3-Nitroaniline | 9.81 | 138 | 23316 | 5.38 | ng | # | 27 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 713 | 2.52 | ng | # | 1 |
| 57) Fluorene | 10.36 | 166 | 1564 | Below Cal | | # | 17 |
| 59) Diethylphthalate | 10.25 | 149 | 68758 | 4.24 | ng | # | 21 |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204 | 17406 | 2.48 | ng | # | 73 |
| 62) Azobenzene | 10.51 | 77 | 40518 | 2.21 | ng | # | 56 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 1530 | 3.39 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.61 | 248 | 18413 | 3.36 | ng | # | 1 |

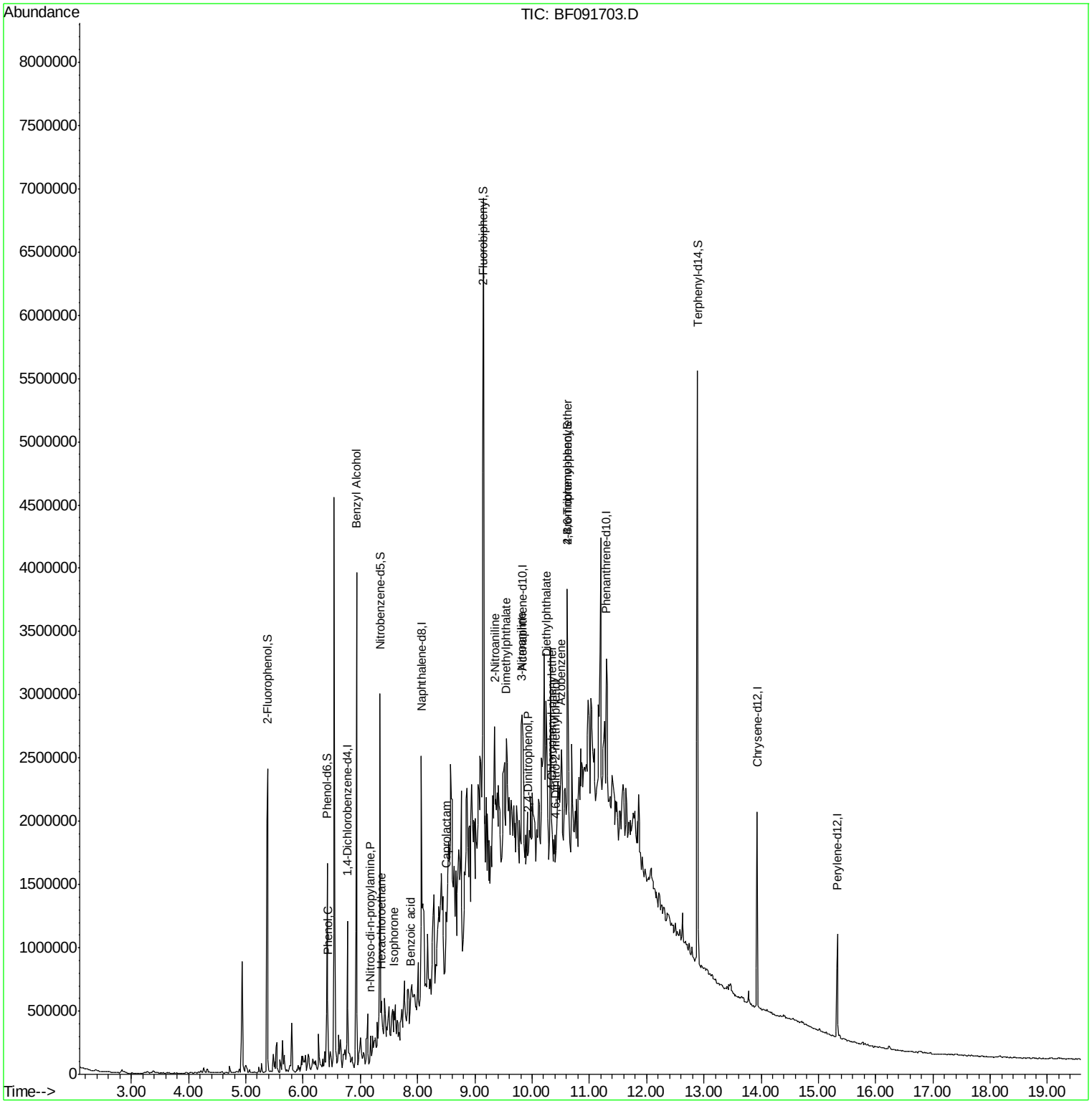
(#) = qualifier out of range (m) = manual integration (+) = signals summed

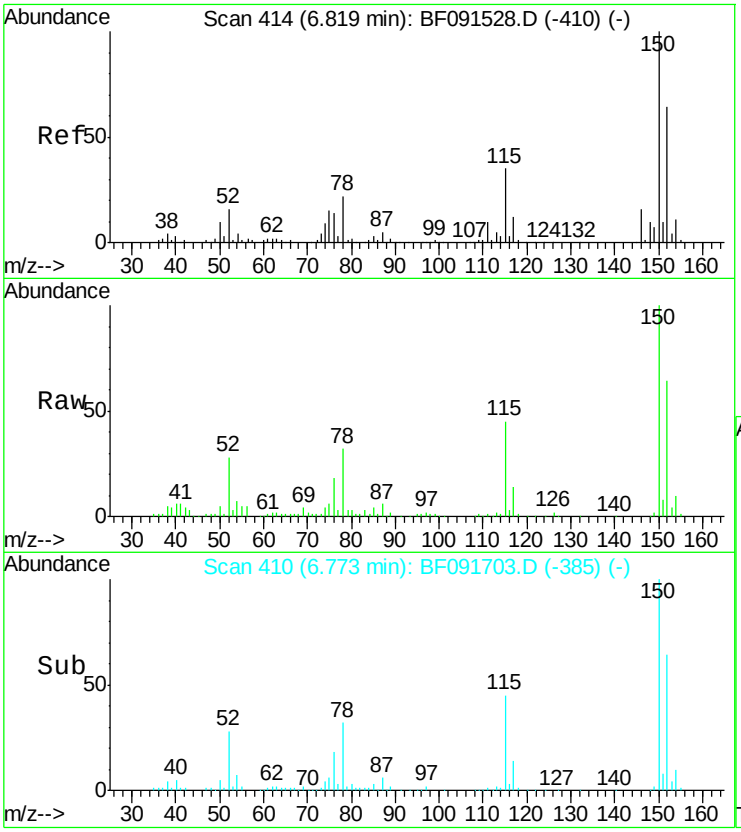
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Quant Time: Dec 17 22:26:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration



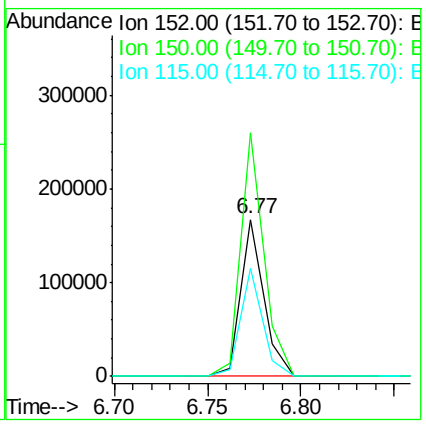


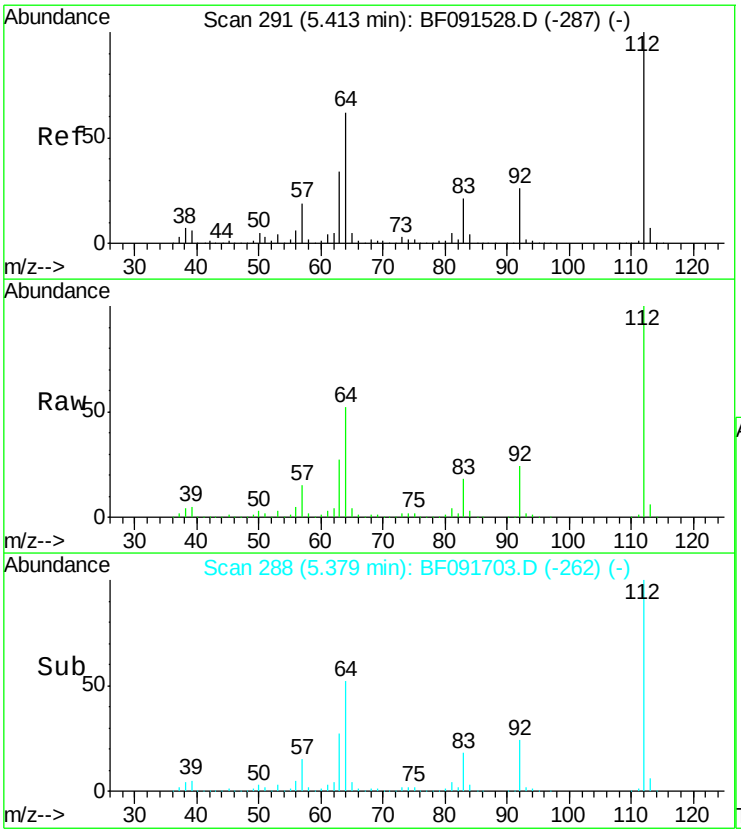

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:152 Resp: 144948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 122.5 | 183.7 |
| 115 | 69.0 | 51.8 | 77.8 |

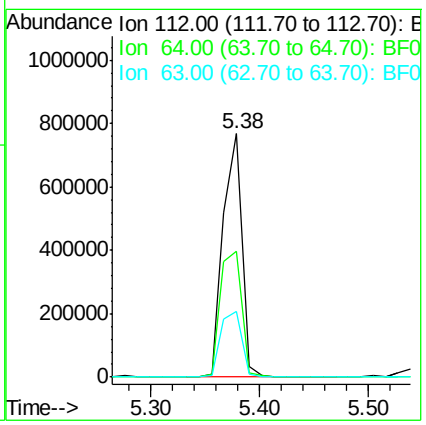


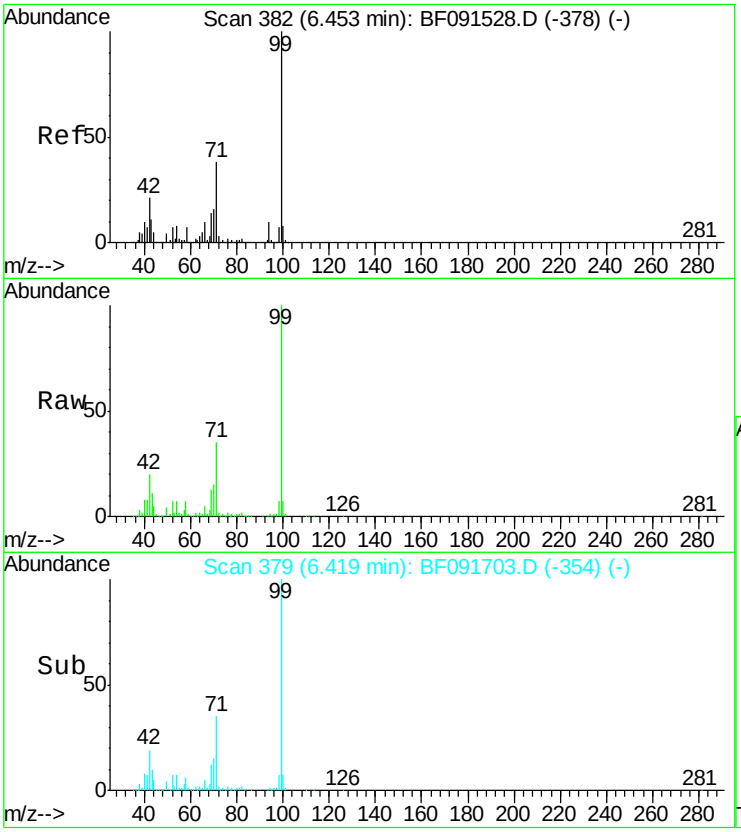




#5
2-Fluorophenol
Concen: 107.54 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:112 Resp: 925205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.8 | 61.5 | 92.3# |
| 63 | 26.8 | 33.3 | 49.9# |



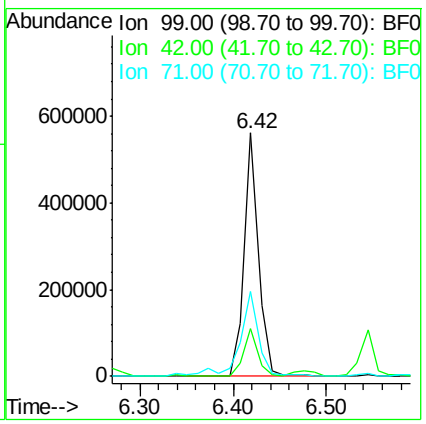


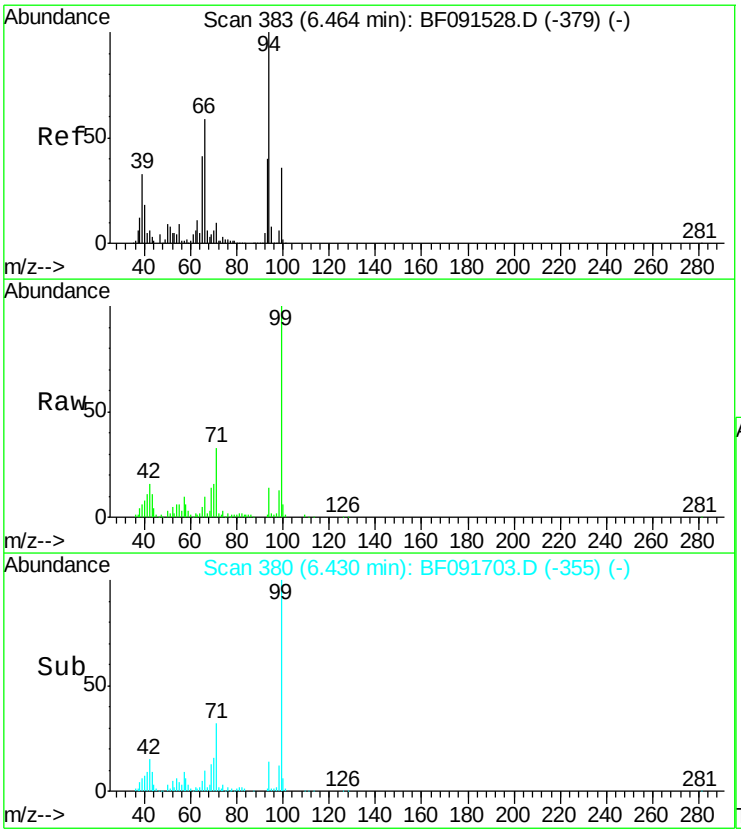

#7
Phenol-d6
Concen: 55.79 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion: 99 Resp: 598354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 20.6 | 31.0# |
| 71 | 35.0 | 29.9 | 44.9 |

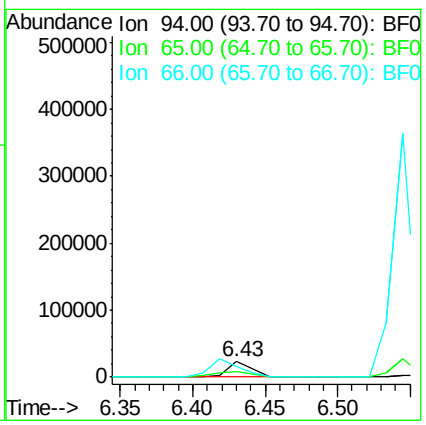


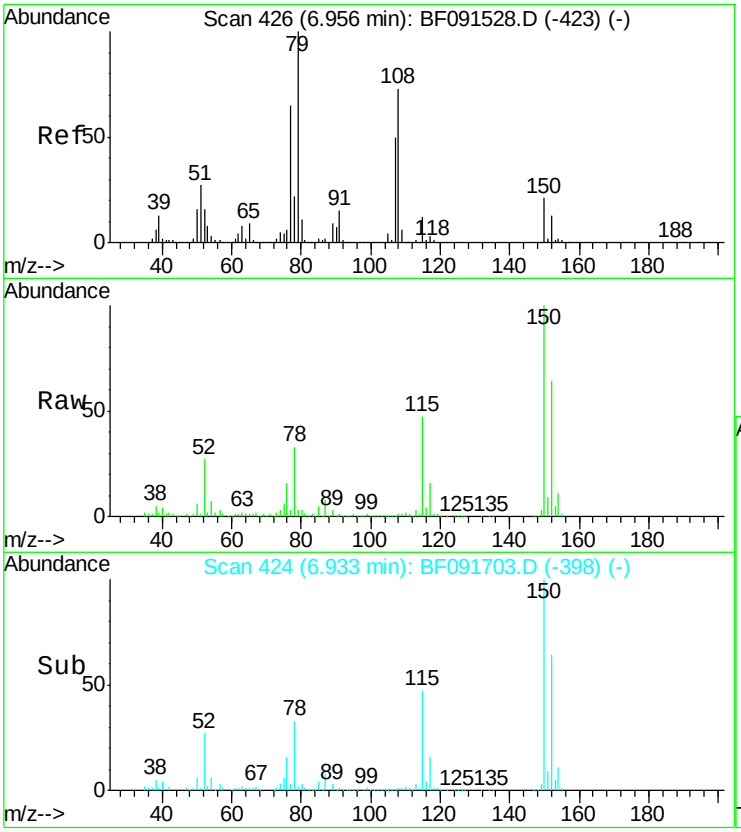




#10
Phenol
Concen: 2.24 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion: 94 Resp: 28130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.2 | 16.9 | 56.9 |
| 66 | 69.8 | 30.6 | 70.6 |



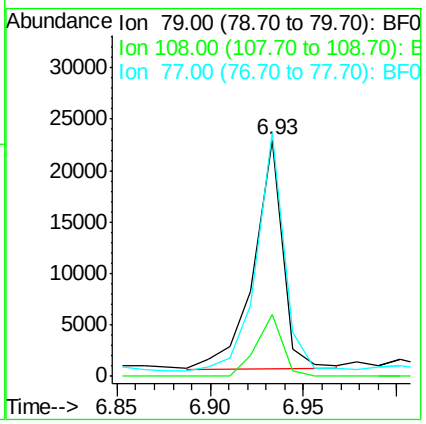


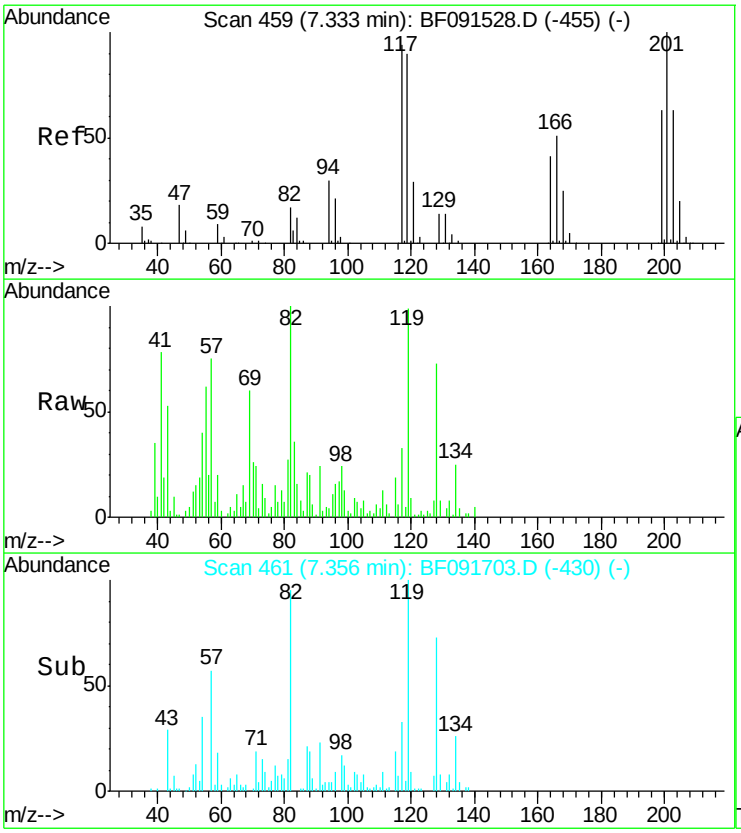

#15
Benzyl Alcohol
Concen: 2.89 ng
RT: 6.93 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion: 79 Resp: 24491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 26.4 | 62.7 | 94.1# |
| 77 | 103.1 | 51.7 | 77.5# |

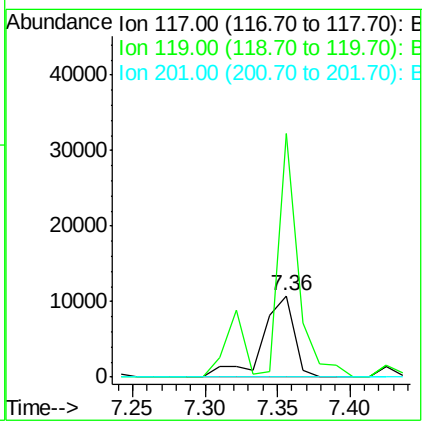


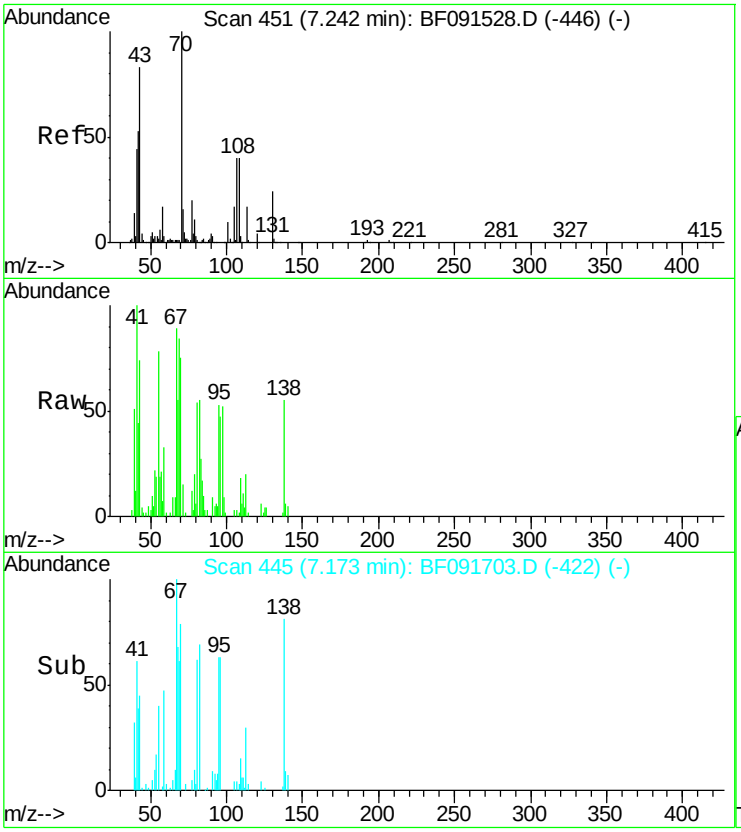




#18
Hexachloroethane
Concen: 4.02 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.06 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:117 Resp: 16300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 299.3 | 78.6 | 118.0# |
| 201 | 0.0 | 86.7 | 130.1# |



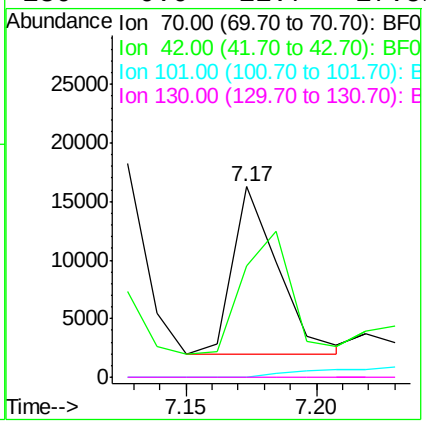


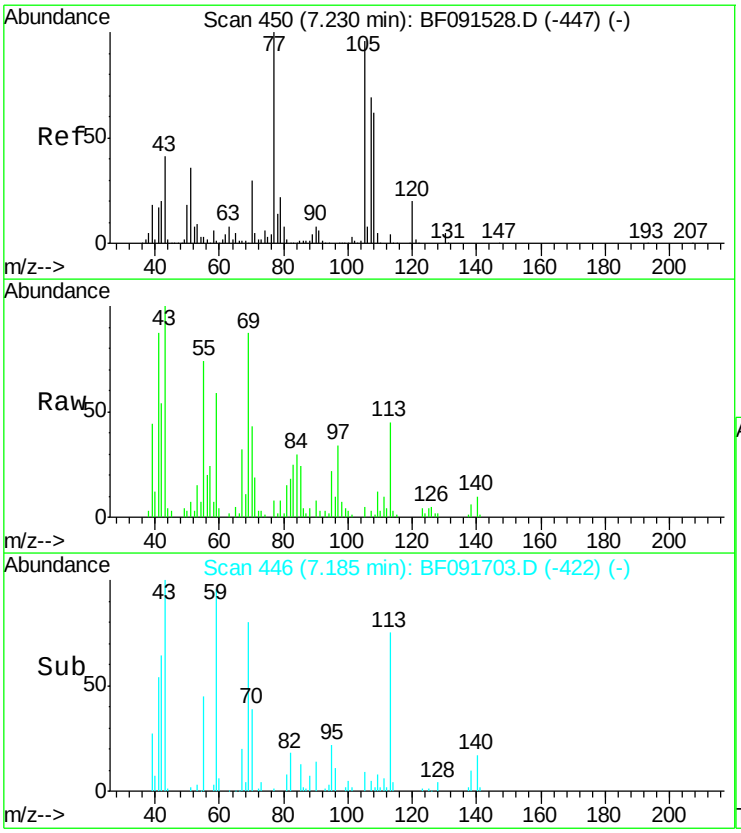

#19
n-Nitroso-di-n-propylamine
Concen: 2.60 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion: 70 Resp: 17435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.3 | 64.8 | 97.2# |
| 101 | 0.0 | 6.2 | 9.4# |
| 130 | 0.0 | 11.7 | 17.5# |

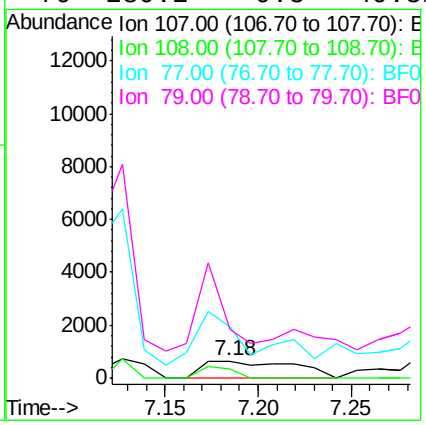


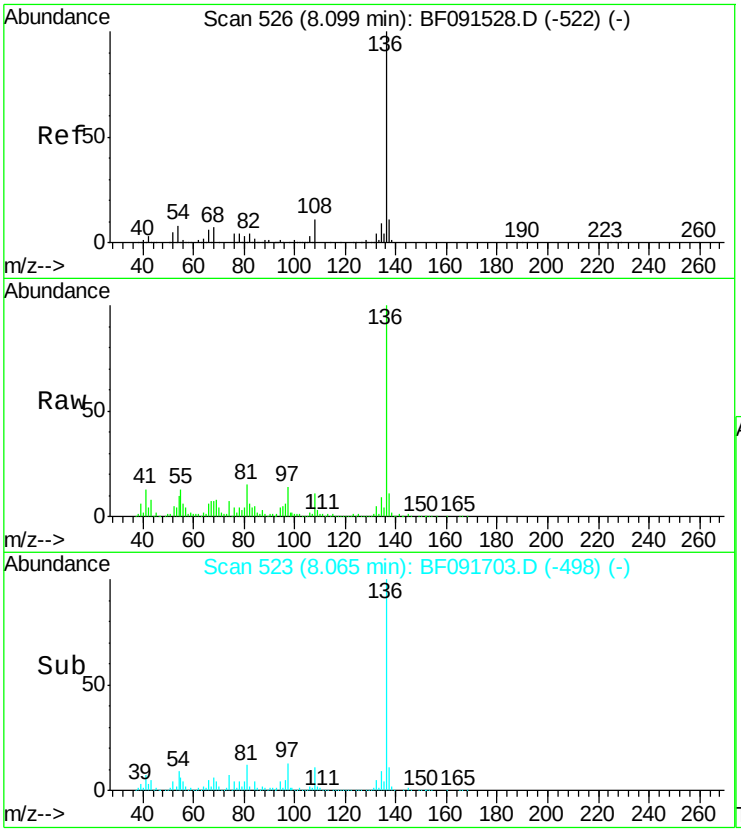




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.18 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:107 Resp: 2171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 50.5 | 64.6 | 104.6# |
| 77 | 301.2 | 30.9 | 70.9# |
| 79 | 289.2 | 9.3 | 49.3# |



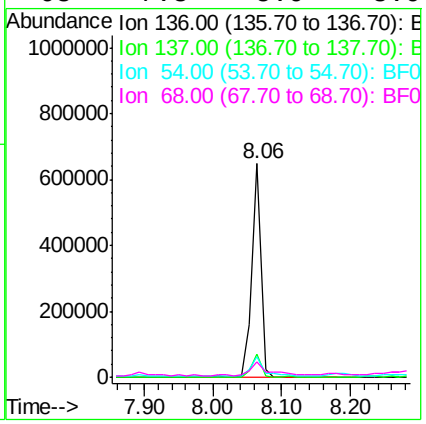


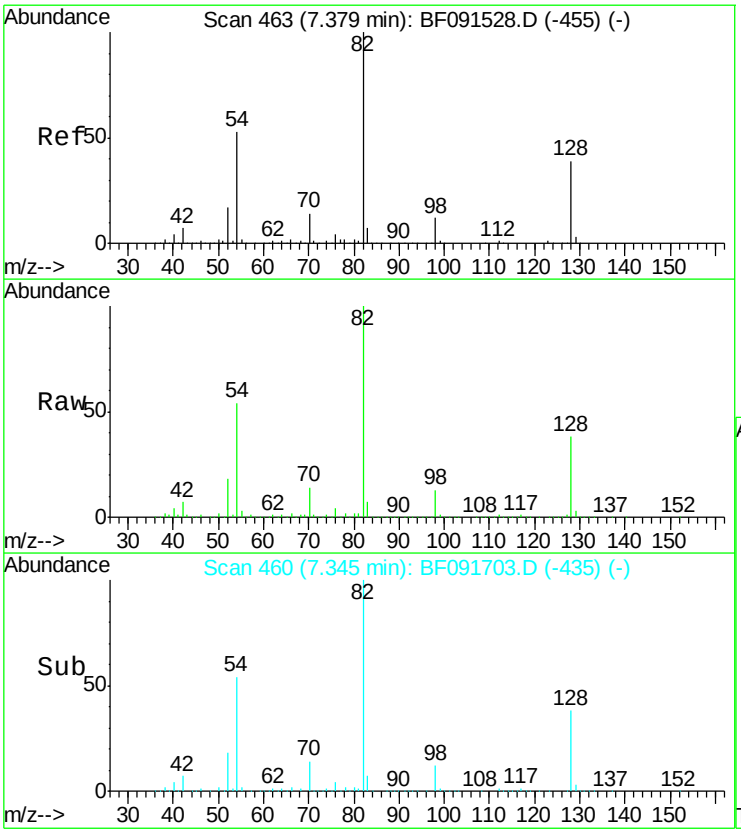

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:136 Resp: 579033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.1 | 13.7 |
| 54 | 9.5 | 9.1 | 13.7 |
| 68 | 7.3 | 5.9 | 8.9 |

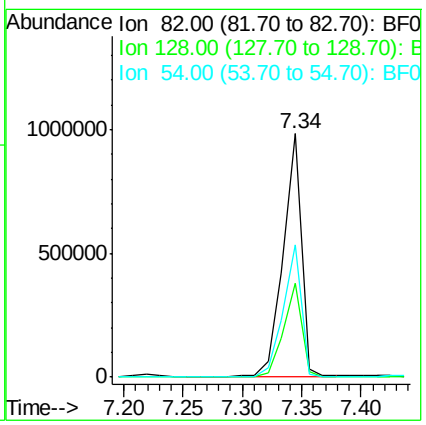


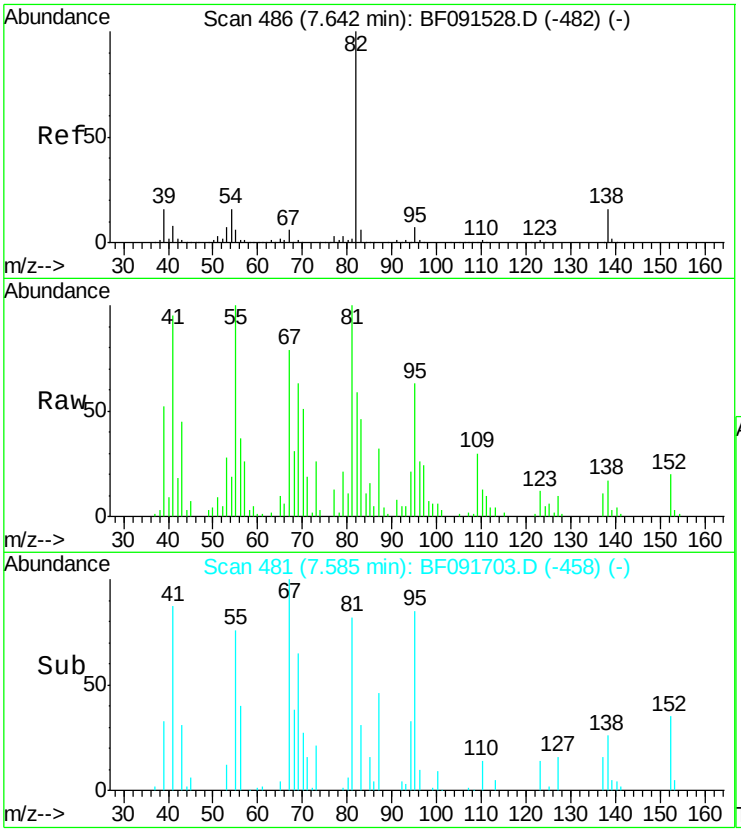




#23
Nitrobenzene-d5
Concen: 99.74 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion: 82 Resp: 1034788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.3 | 31.8 | 47.6 |
| 54 | 54.1 | 49.1 | 73.7 |



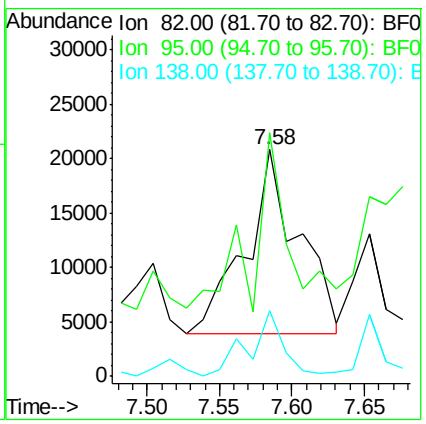


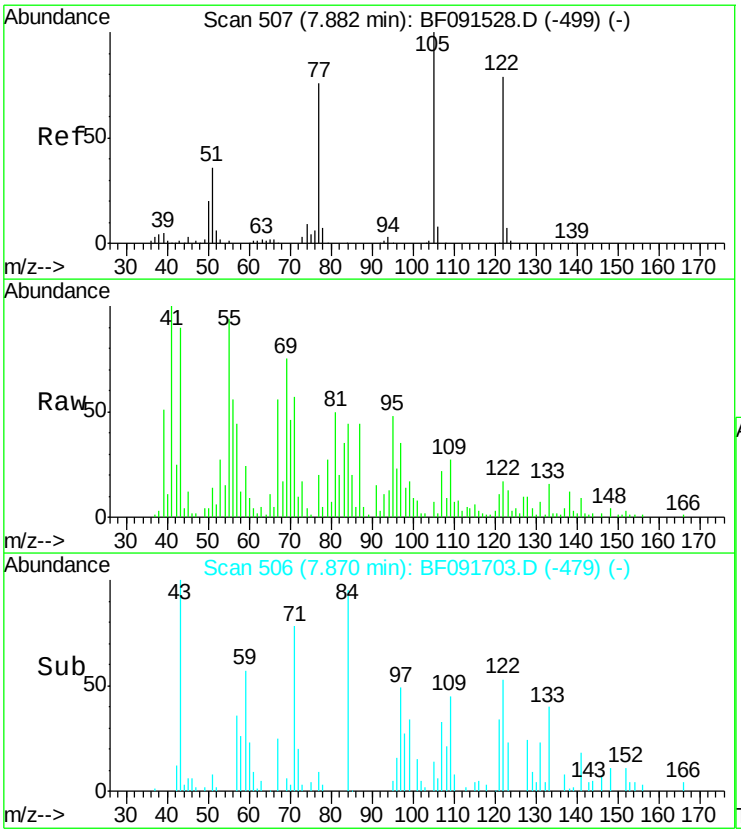

#25
Isophorone
Concen: 2.32 ng
RT: 7.58 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion: 82 Resp: 42828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 107.5 | 5.7 | 8.5# |
| 138 | 28.8 | 13.4 | 20.0# |

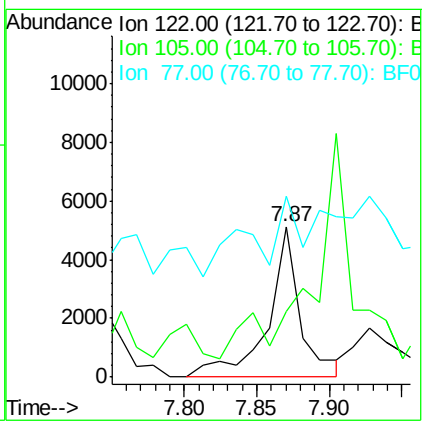


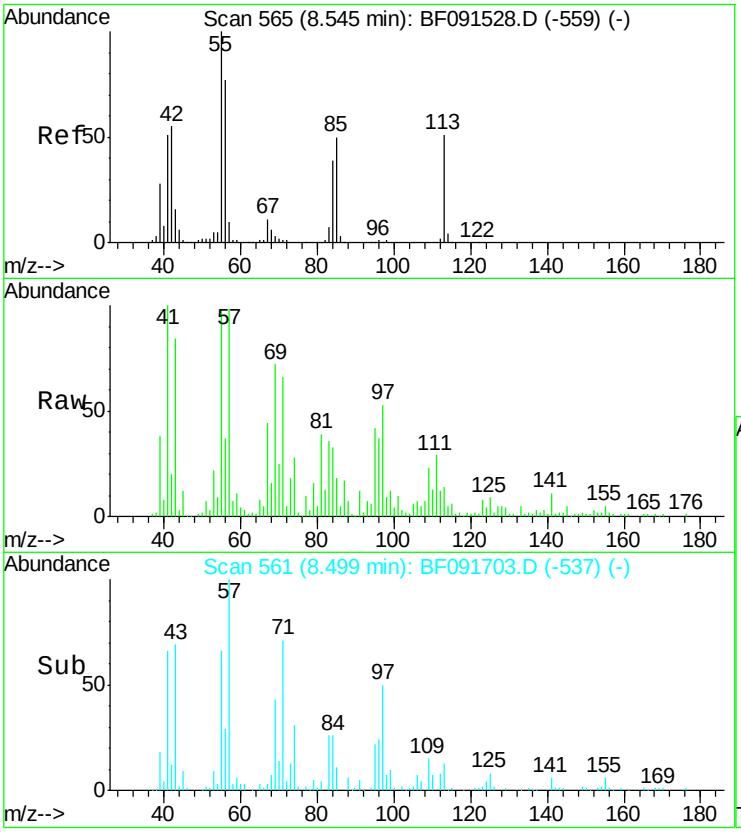




#32
Benzoic acid
Concen: 6.06 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:122 Resp: 7921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 43.8 | 113.0 | 153.0# |
| 77 | 120.2 | 82.0 | 122.0 |



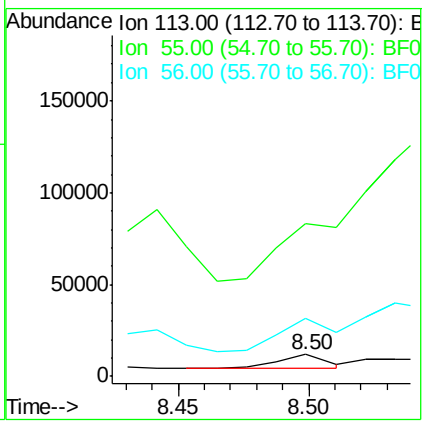


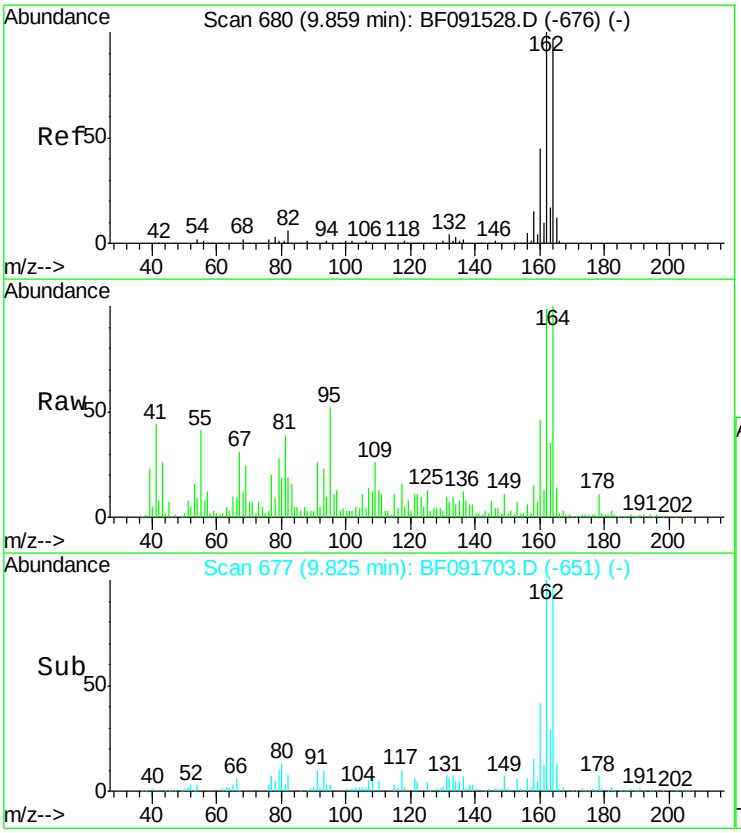

#35
Caprolactam
Concen: 4.46 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:113 Resp: 9626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 703.1 | 239.8 | 279.8# |
| 56 | 266.6 | 165.6 | 205.6# |

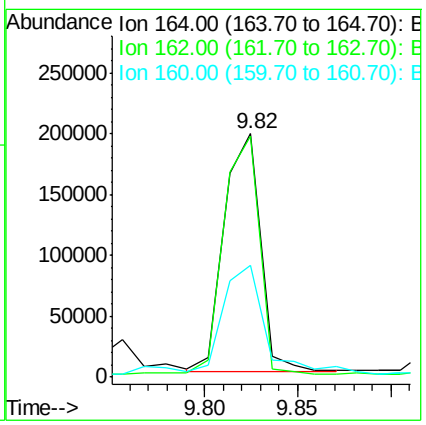


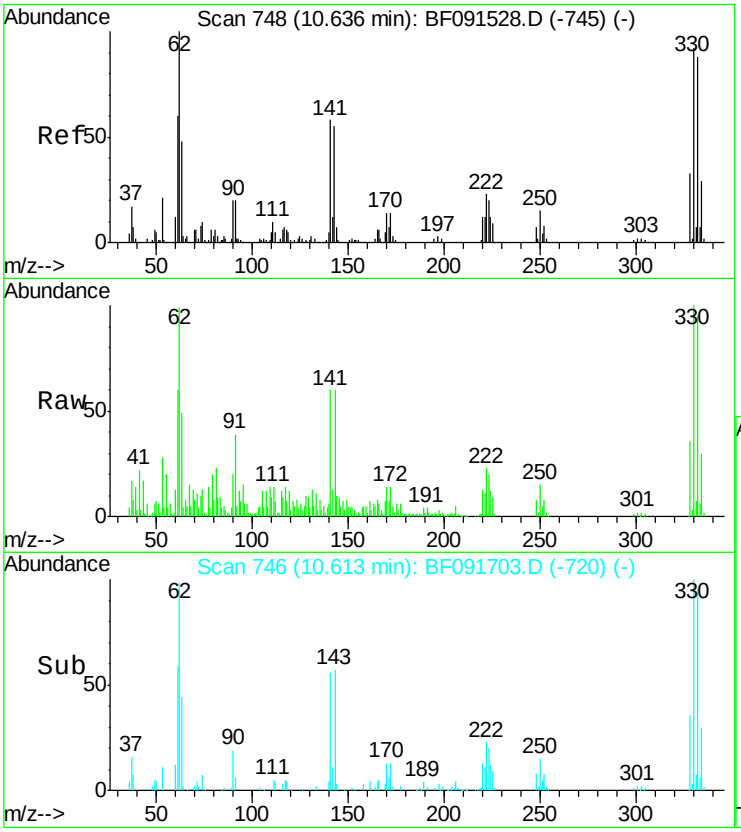




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:164 Resp: 265670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.8 | 82.6 | 124.0 |
| 160 | 46.1 | 36.7 | 55.1 |



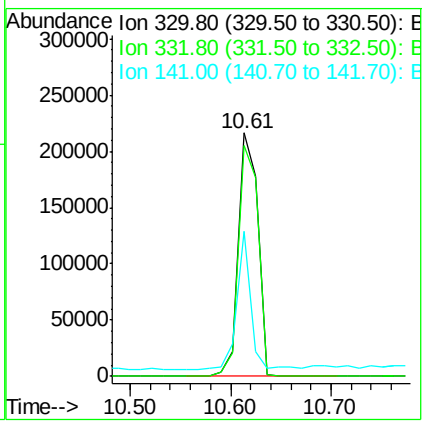


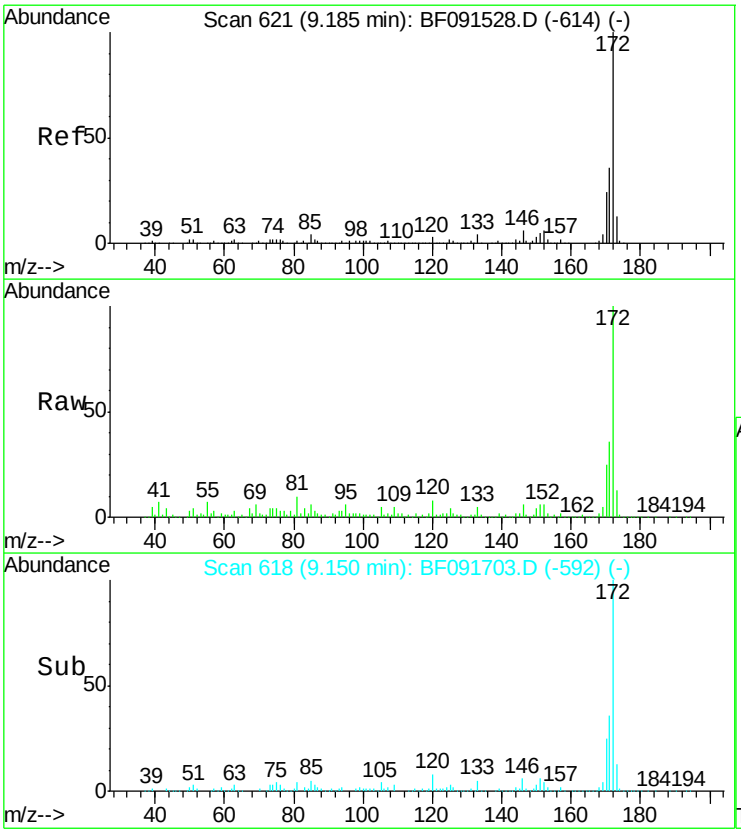

#41
2,4,6-Tribromophenol
Concen: 131.60 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:330 Resp: 290398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 76.2 | 114.4 |
| 141 | 40.5 | 33.6 | 50.4 |

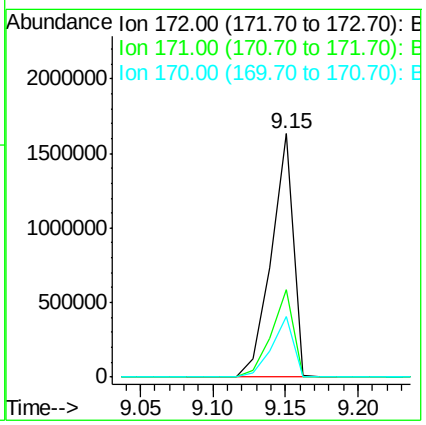


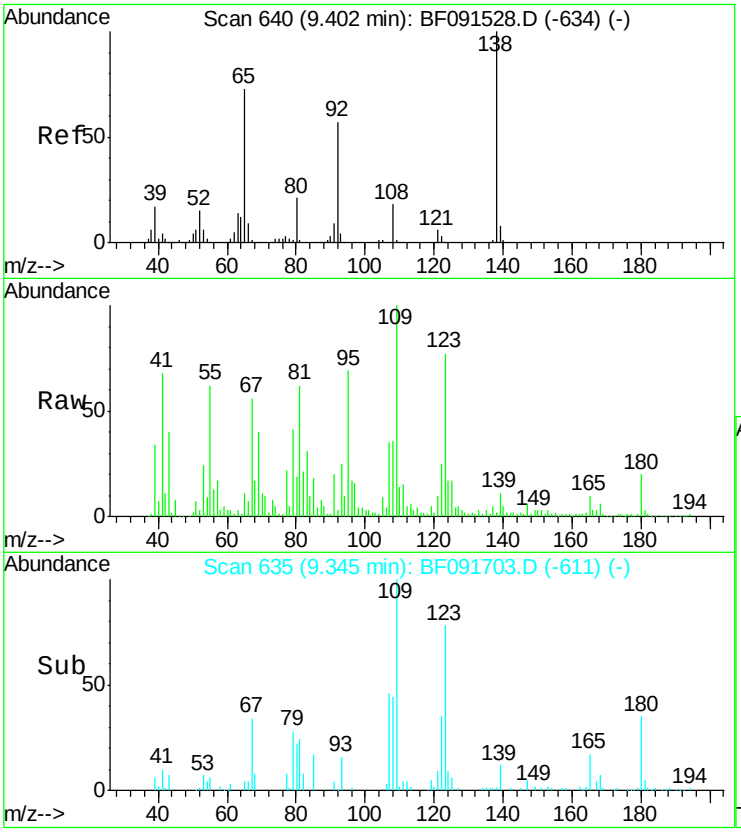




#44
2-Fluorobiphenyl
Concen: 111.88 ng
RT: 9.15 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:172 Resp: 1720132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.4 | 44.0 |
| 170 | 24.7 | 19.7 | 29.5 |



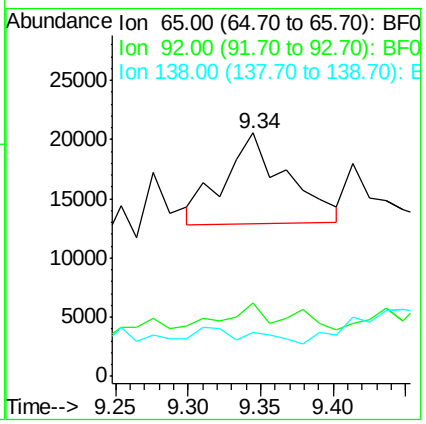


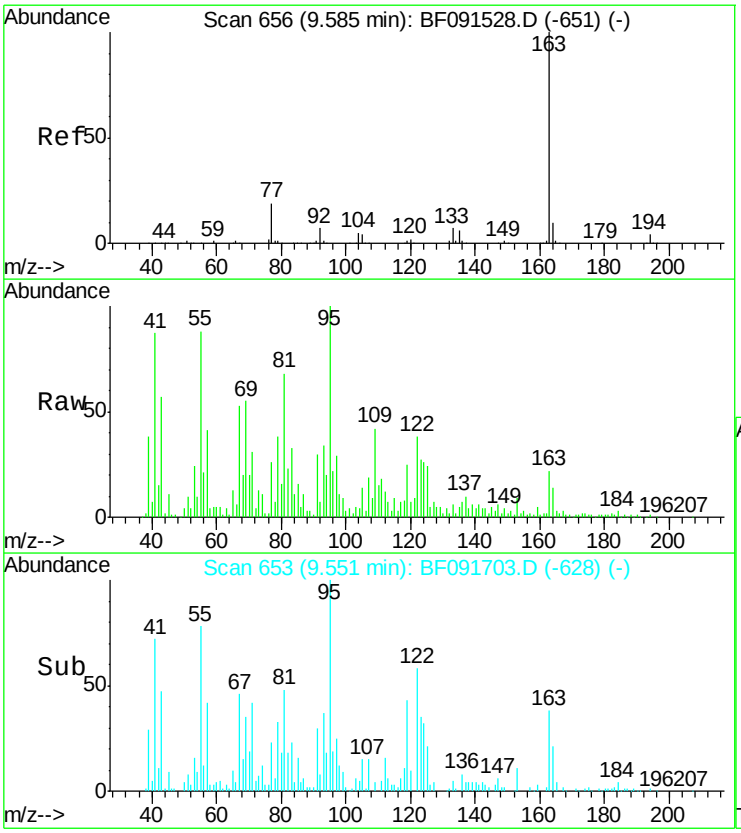

#47
2-Nitroaniline
Concen: 4.60 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion: 65 Resp: 23066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 30.1 | 53.6 | 80.4# |
| 138 | 17.8 | 91.0 | 136.6# |

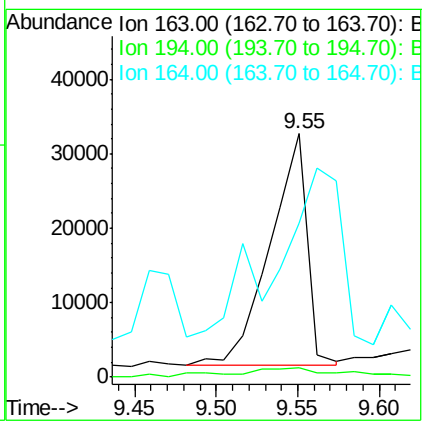


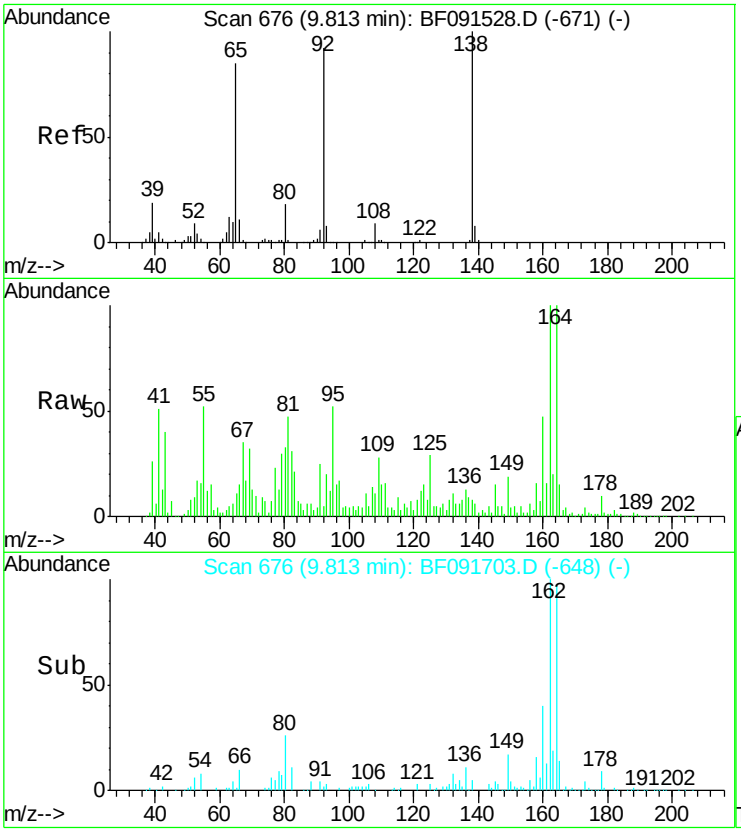




#49
Dimethylphthalate
Concen: 2.91 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:163 Resp: 48869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.4 |
| 164 | 63.1 | 7.8 | 11.8# |



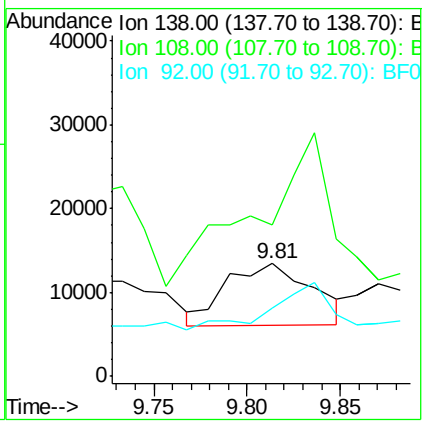


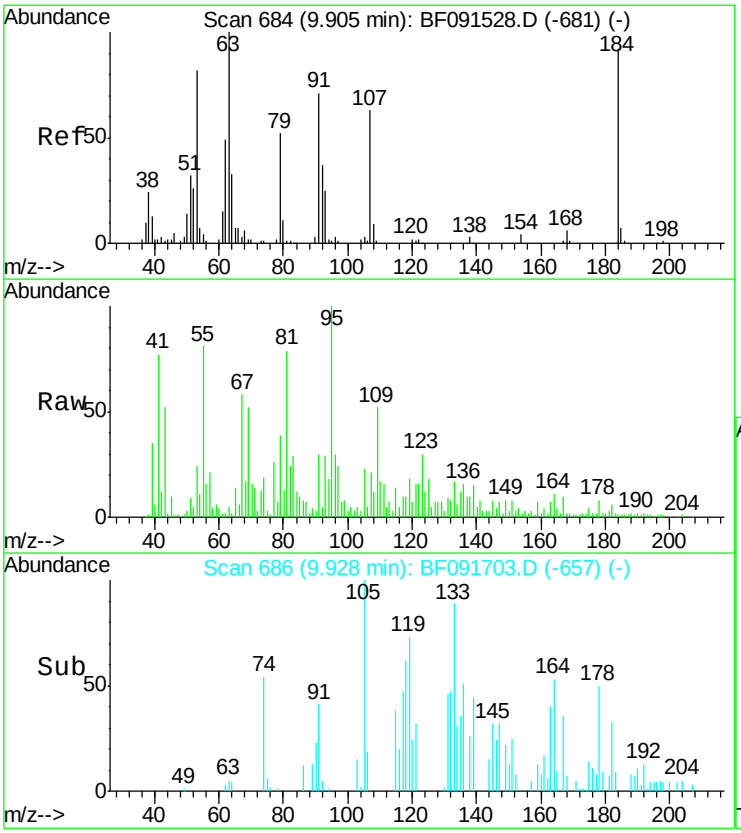

#52
3-Nitroaniline
Concen: 5.38 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:138 Resp: 23316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 134.9 | 8.1 | 12.1# |
| 92 | 60.8 | 92.5 | 138.7# |

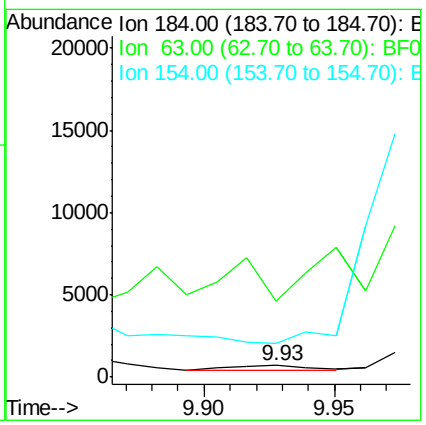


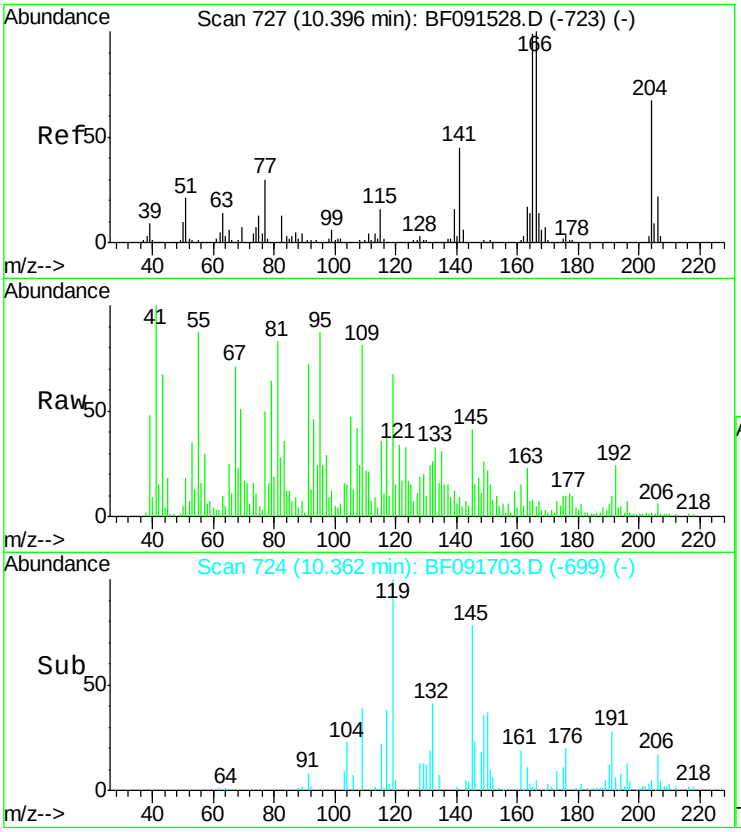




#53
2,4-Dinitrophenol
Concen: 2.52 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.03 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:184 Resp: 713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 660.3 | 58.3 | 87.5# |
| 154 | 293.6 | 48.6 | 73.0# |



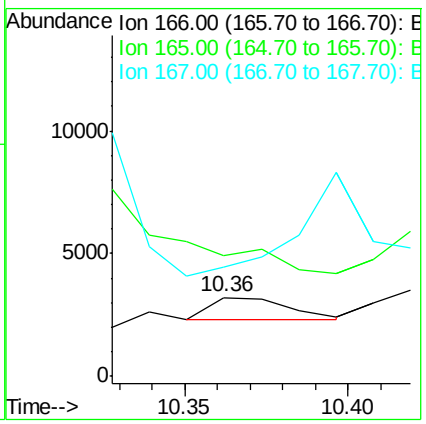


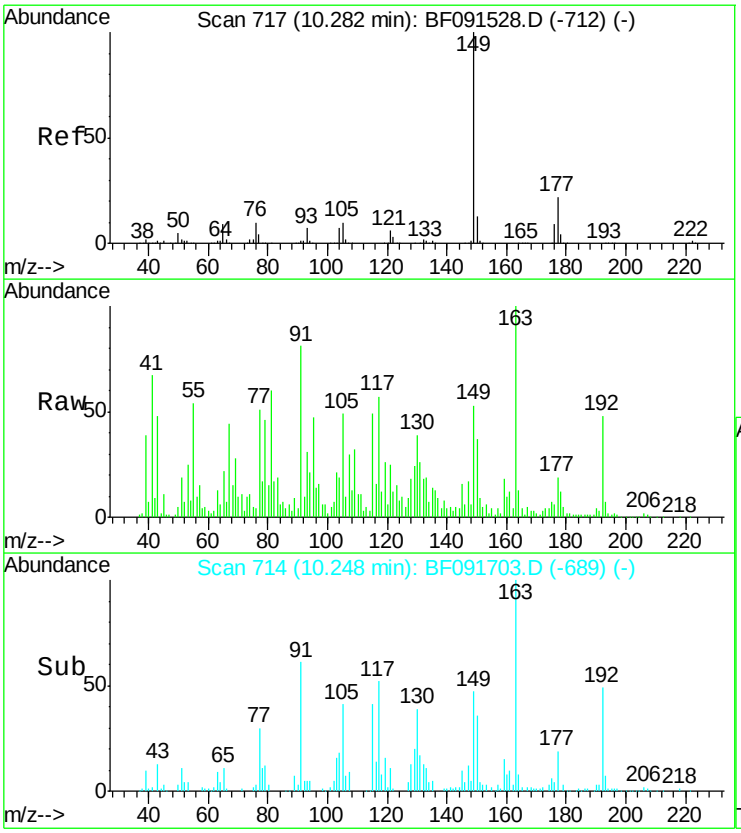

#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:166 Resp: 1564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 152.4 | 80.0 | 120.0# |
| 167 | 137.7 | 10.8 | 16.2# |

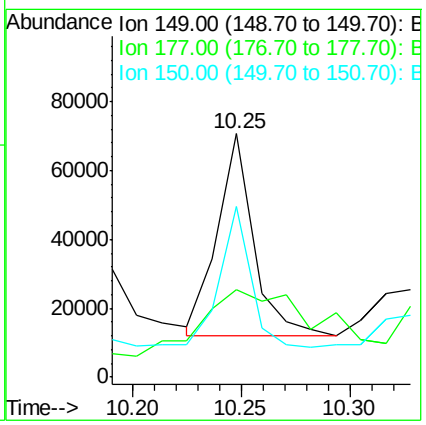


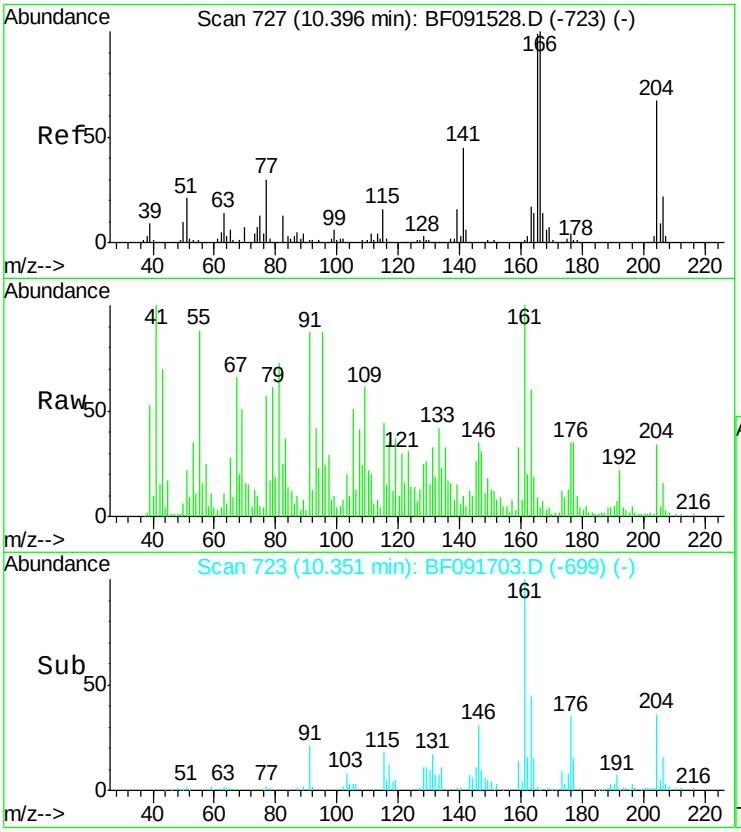




#59
Diethylphthalate
Concen: 4.24 ng
RT: 10.25 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:149 Resp: 68758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 35.9 | 15.7 | 23.5# |
| 150 | 70.2 | 10.2 | 15.2# |



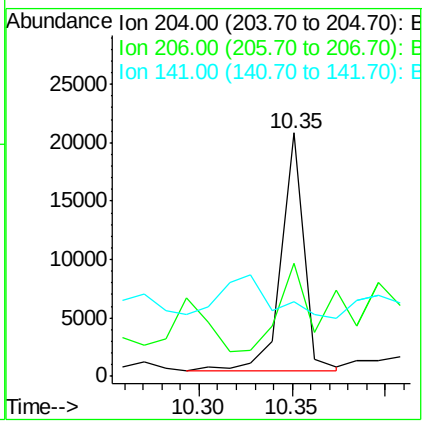


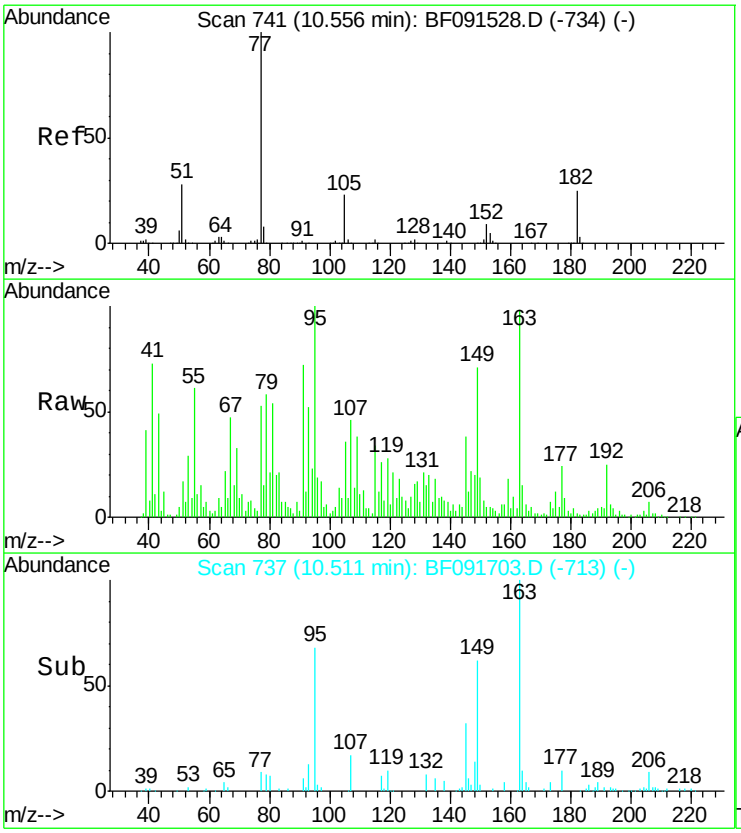

#60
4-Chlorophenyl-phenylether
Concen: 2.48 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:204 Resp: 17406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 46.3 | 26.1 | 39.1# |
| 141 | 30.6 | 40.6 | 61.0# |

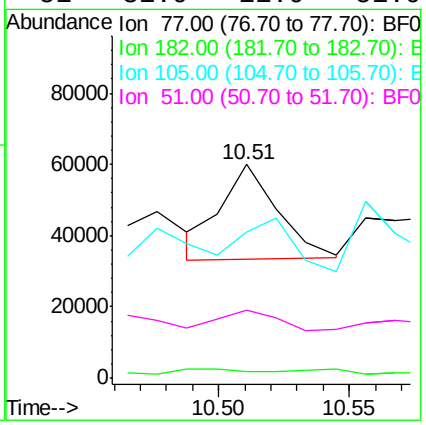


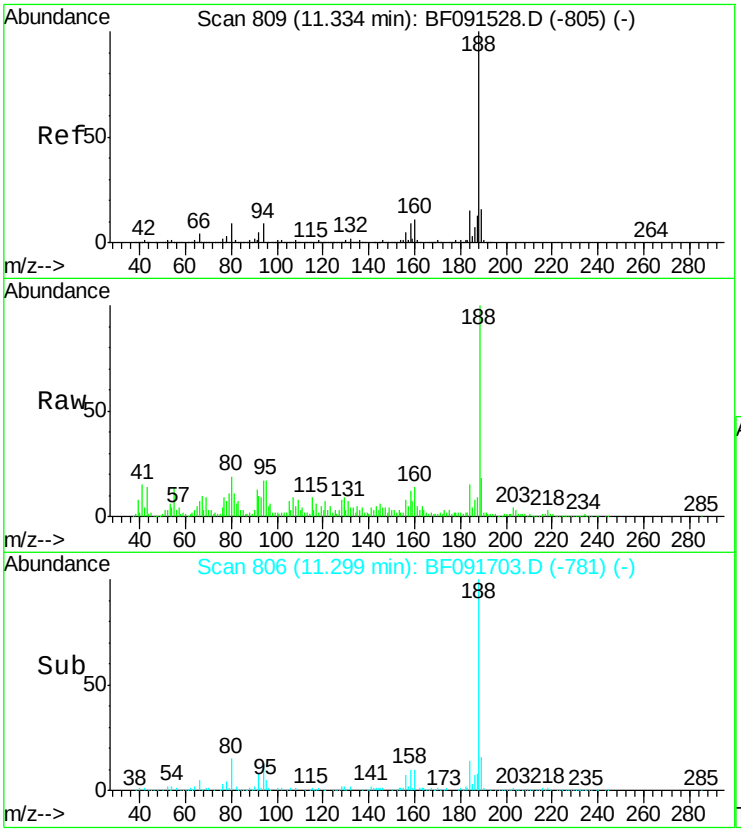




#62
Azobenzene
Concen: 2.21 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion: 77 Resp: 40518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 2.9 | 12.5 | 52.5# |
| 105 | 68.5 | 3.7 | 43.7# |
| 51 | 31.9 | 11.9 | 51.9 |



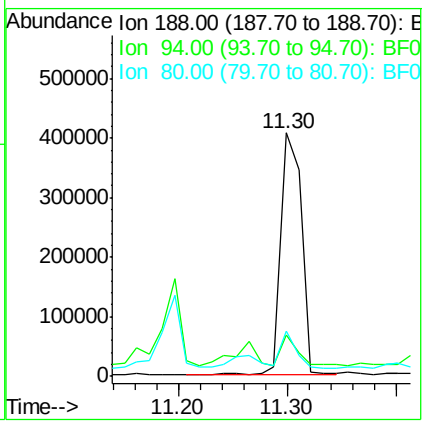


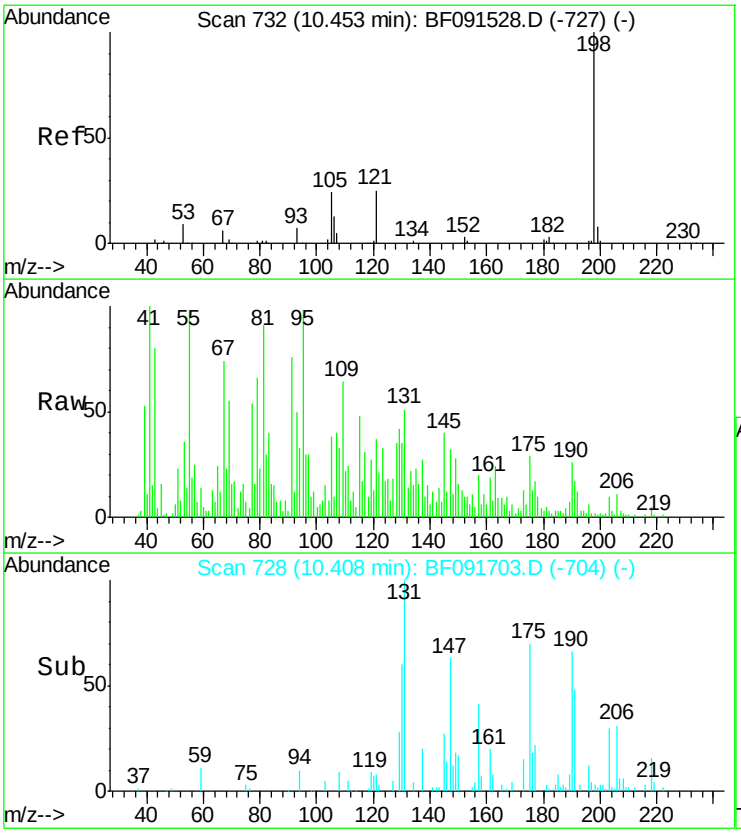

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:188 Resp: 533795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 17.1 | 9.2 | 13.8# |
| 80 | 18.7 | 10.5 | 15.7# |

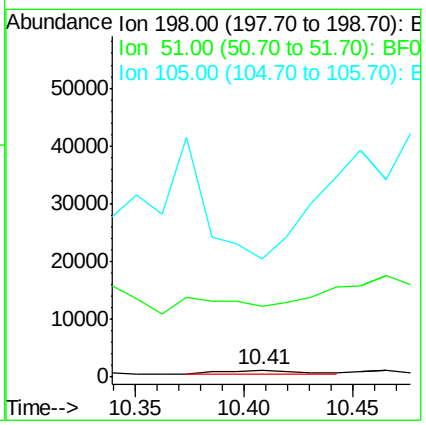


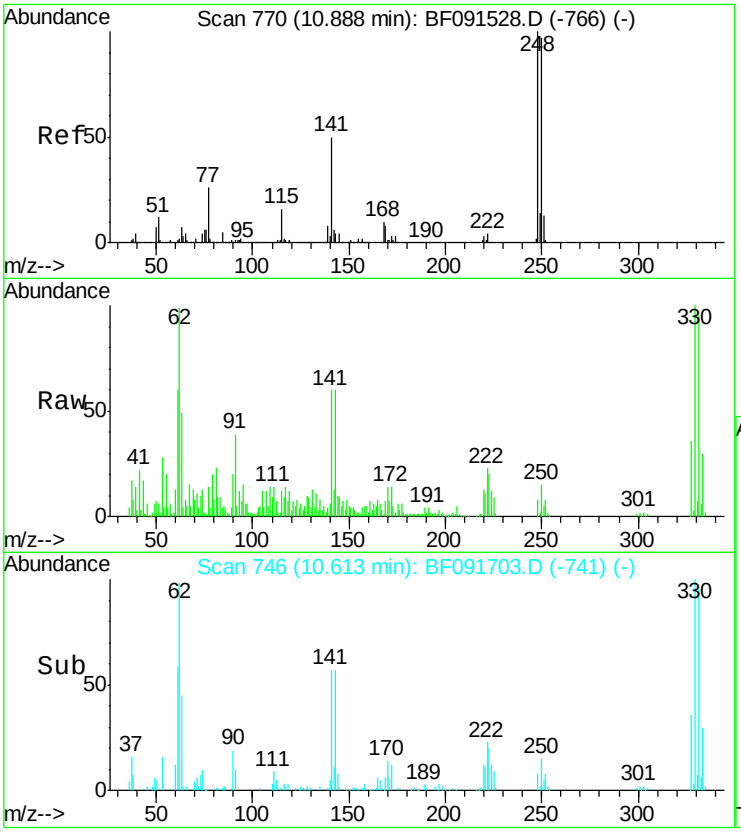




#64
4,6-Dinitro-2-methylphenol
Concen: 3.39 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:198 Resp: 1530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 959.0 | 77.1 | 117.1# |
| 105 | 1613.9 | 44.8 | 84.8# |



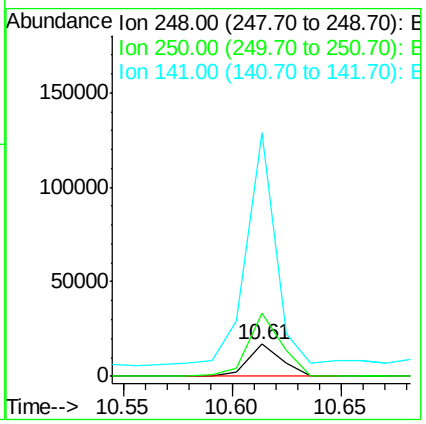


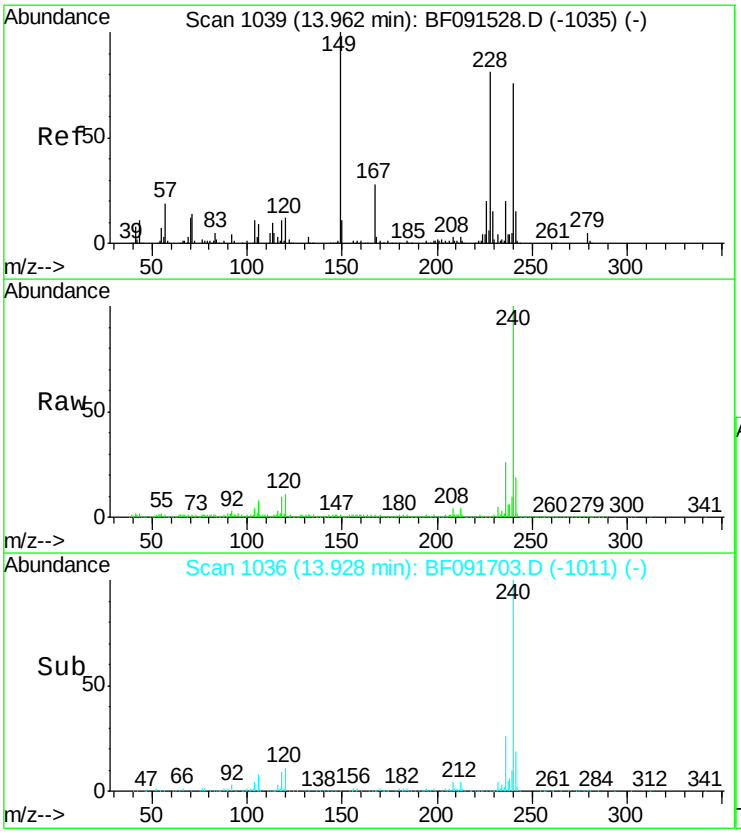

#66
4-Bromophenyl-phenylether
Concen: 3.36 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.24 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:248 Resp: 18413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 198.0 | 78.2 | 117.4# |
| 141 | 765.3 | 71.9 | 107.9# |

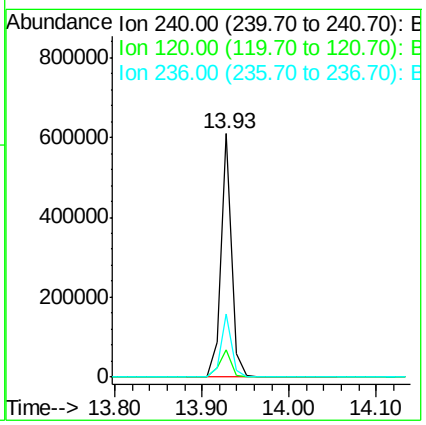


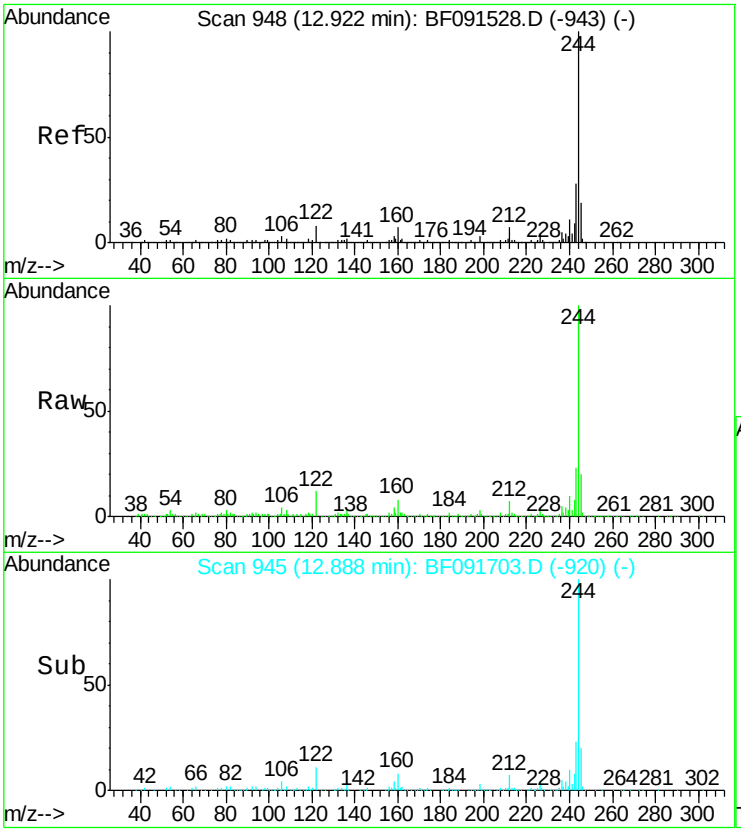




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:240 Resp: 523722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 12.1 | 18.1# |
| 236 | 25.7 | 21.0 | 31.6 |



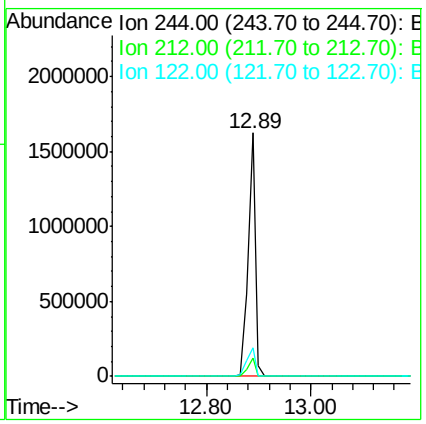


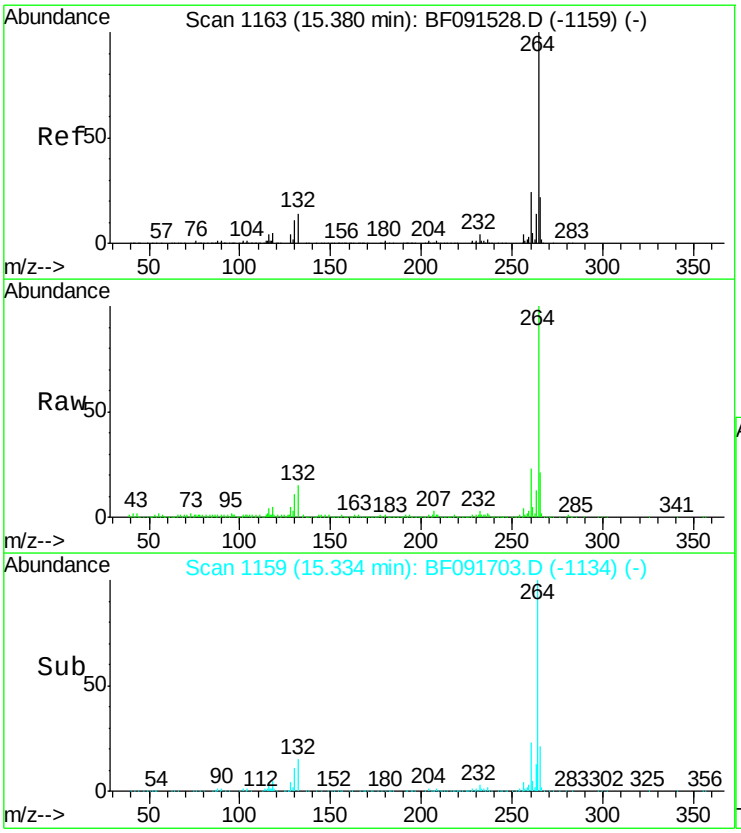

#78
Terphenyl-d14
Concen: 67.43 ng
RT: 12.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

**Instrument :**
BNA_F
**ClientSampleId :**
MW-04

Tgt Ion:244 Resp: 1556224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.5 | 9.7 |
| 122 | 11.8 | 9.5 | 14.3 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF091703.D
Acq: 17 Dec 2016 6:25

Tgt Ion:264 Resp: 407842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.8 | 28.2 |
| 265 | 21.4 | 17.0 | 25.6 |