Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
Data File : BF092296.D
Acq On : 16 Jan 2017 20:28
Operator : UM/SJ
Sample : I1197-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-38

Quant Time: Jan 17 00:45:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.56 | 152 | 205324 | 20.00 | ng | | -0.08 |
| 21) Naphthalene-d8 | 7.84 | 136 | 877147 | 20.00 | ng | | -0.09 |
| 38) Acenaphthene-d10 | 9.59 | 164 | 474880 | 20.00 | ng | | -0.09 |
| 63) Phenanthrene-d10 | 11.07 | 188 | 711658 | 20.00 | ng | | -0.09 |
| 75) Chrysene-d12 | 13.70 | 240 | 701310 | 20.00 | ng | | -0.09 |
| 86) Perylene-d12 | 15.05 | 264 | 527722 | 20.00 | ng | | -0.10 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 946665 | 76.98 | ng | | -0.09 |
| 7) Phenol-d6 | 6.22 | 99 | 758441 | 50.52 | ng | | -0.09 |
| 23) Nitrobenzene-d5 | 7.14 | 82 | 1396650 | 88.54 | ng | | -0.08 |
| 41) 2,4,6-Tribromophenol | 10.39 | 330 | 497694 | 126.64 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 8.93 | 172 | 2395809 | 106.66 | ng | | -0.08 |
| 78) Terphenyl-d14 | 12.66 | 244 | 2385109 | 82.48 | ng | | -0.09 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.14 | 77 | 1204 | Below Cal | | # | 77 |
| 10) Phenol | 6.24 | 94 | 35784 | 2.09 | ng | | 87 |
| 15) Benzyl Alcohol | 6.71 | 79 | 25259 | 2.17 | ng | # | 46 |
| 18) Hexachloroethane | 7.14 | 117 | 284548 | 50.50 | ng | # | 4 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 190777 | 19.10 | ng | # | 78 |
| 24) Nitrobenzene | 7.15 | 77 | 56808 | 3.38 | ng | # | 27 |
| 25) Isophorone | 7.14 | 82 | 1375336 | 47.26 | ng | # | 65 |
| 35) Caprolactam | 8.29 | 113 | 7703 | 2.01 | ng | # | 1 |
| 36) 4-Chloro-3-methylphenol | 8.34 | 107 | 46595 | 3.48 | ng | # | 25 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 713162 | 25.21 | ng | | 97 |
| 49) Dimethylphthalate | 9.33 | 163 | 112418 | 3.70 | ng | # | 86 |
| 66) 4-Bromophenyl-phenylether | 10.39 | 248 | 32618 | 4.41 | ng | # | 1 |
| 71) Anthracene | 11.15 | 178 | 753 | Below Cal | | # | 1 |
| 73) Di-n-butylphthalate | 11.65 | 149 | 16012 | Below Cal | | # | 90 |
| 74) Fluoranthene | 12.45 | 202 | 212 | Below Cal | | | 61 |
| 76) Benzidine | 12.66 | 184 | 30497 | Below Cal | | # | 93 |

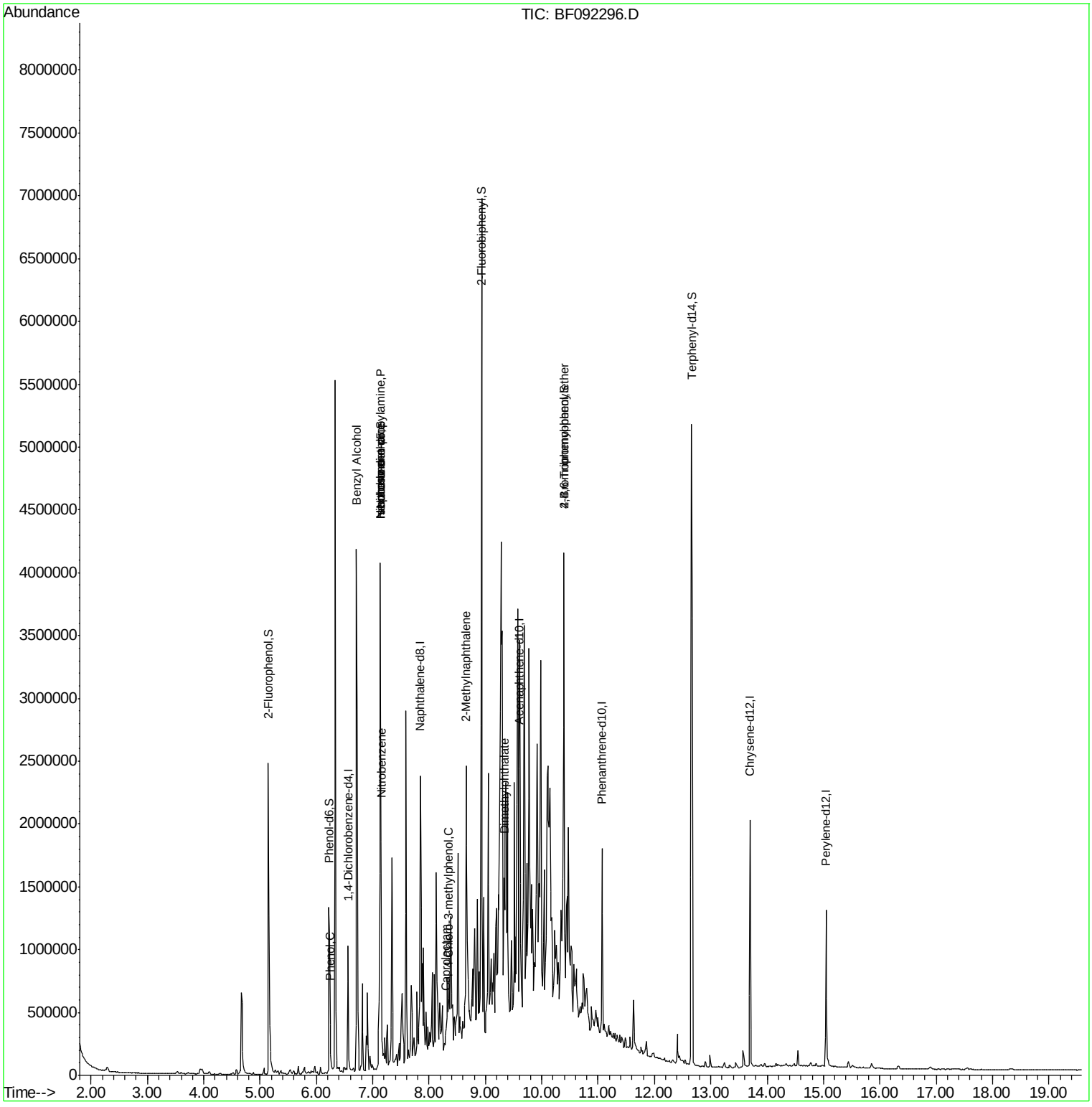
(#) = qualifier out of range (m) = manual integration (+) = signals summed

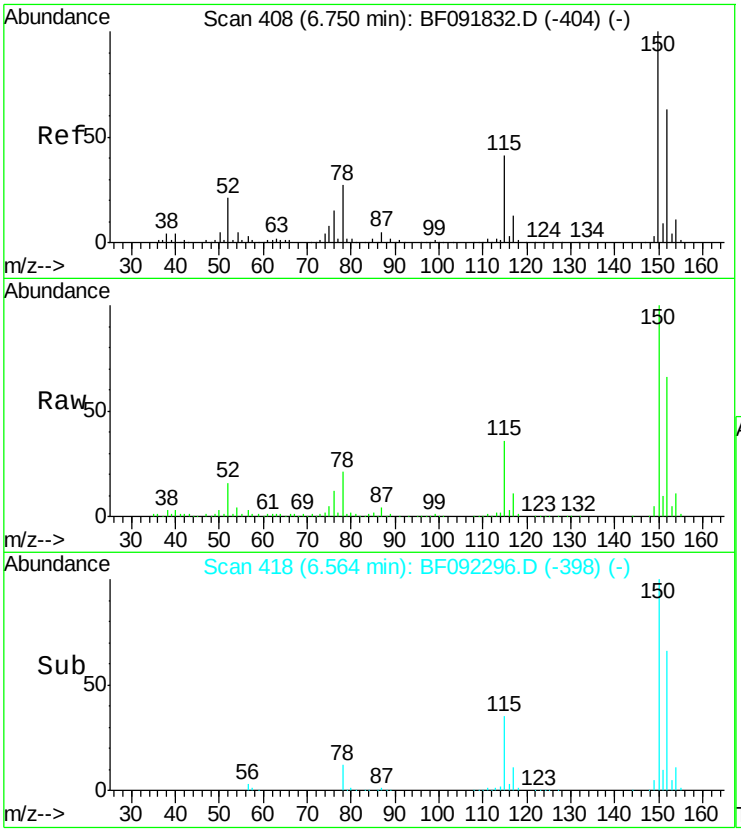
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
Data File : BF092296.D
Acq On : 16 Jan 2017 20:28
Operator : UM/SJ
Sample : I1197-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Quant Time: Jan 17 00:45:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration



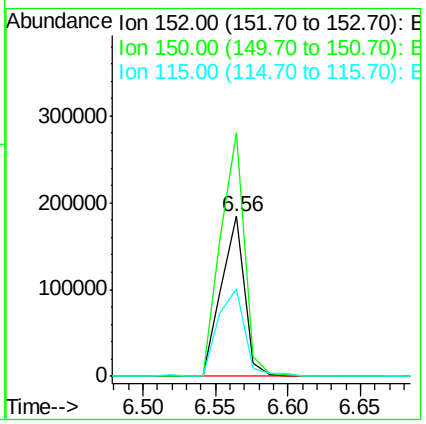


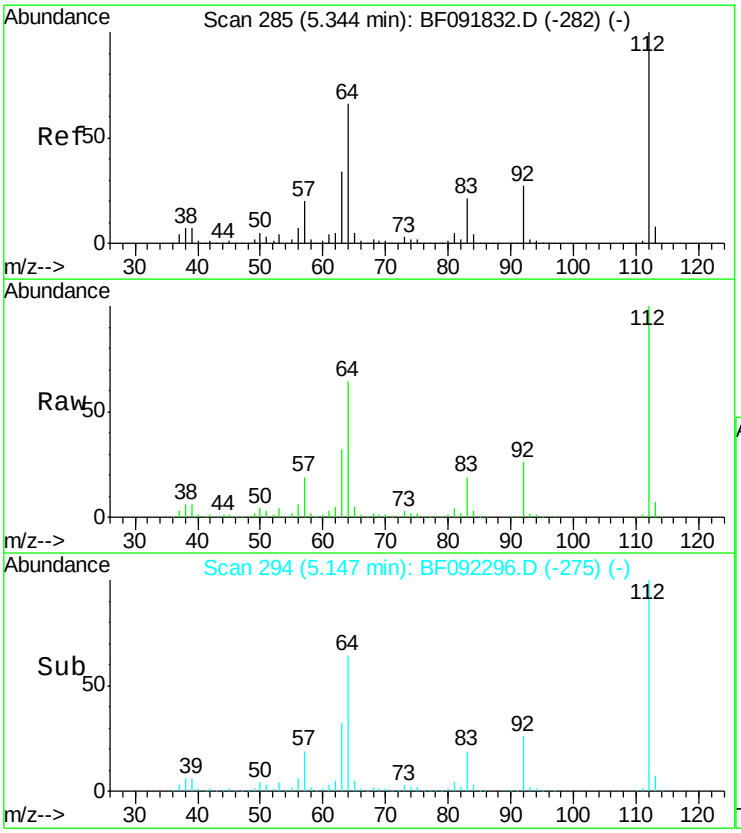

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 418
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:152 Resp: 205324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.0 | 124.9 | 187.3 |
| 115 | 55.0 | 46.0 | 69.0 |

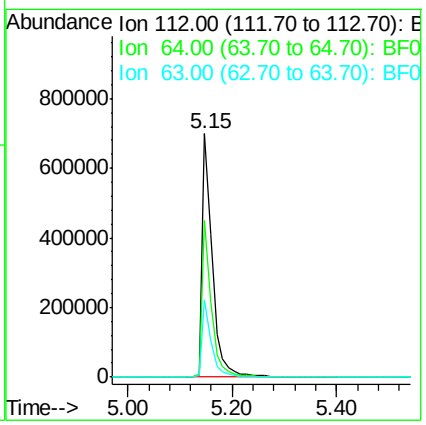


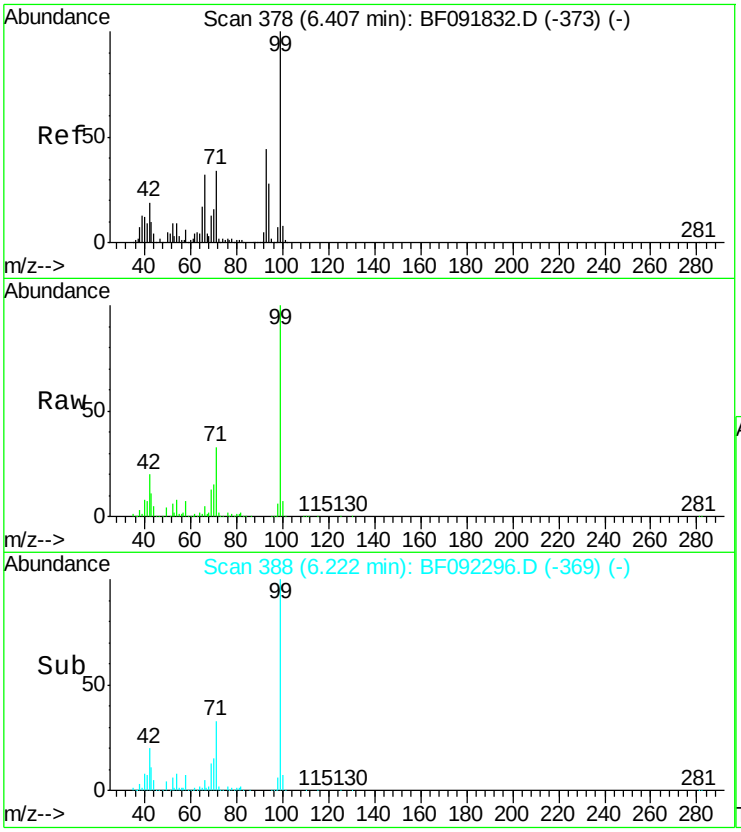




#5
2-Fluorophenol
Concen: 76.98 ng
RT: 5.15 min Scan# 294
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:112 Resp: 946665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.3 | 46.1 | 69.1 |
| 63 | 31.8 | 23.8 | 35.6 |



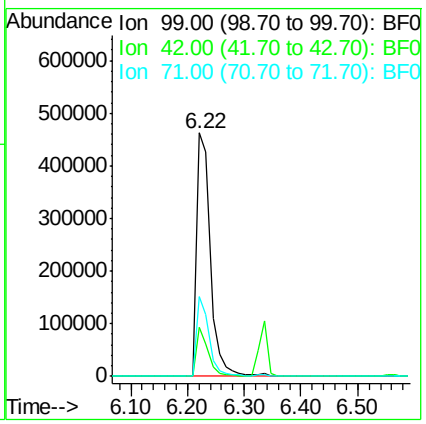


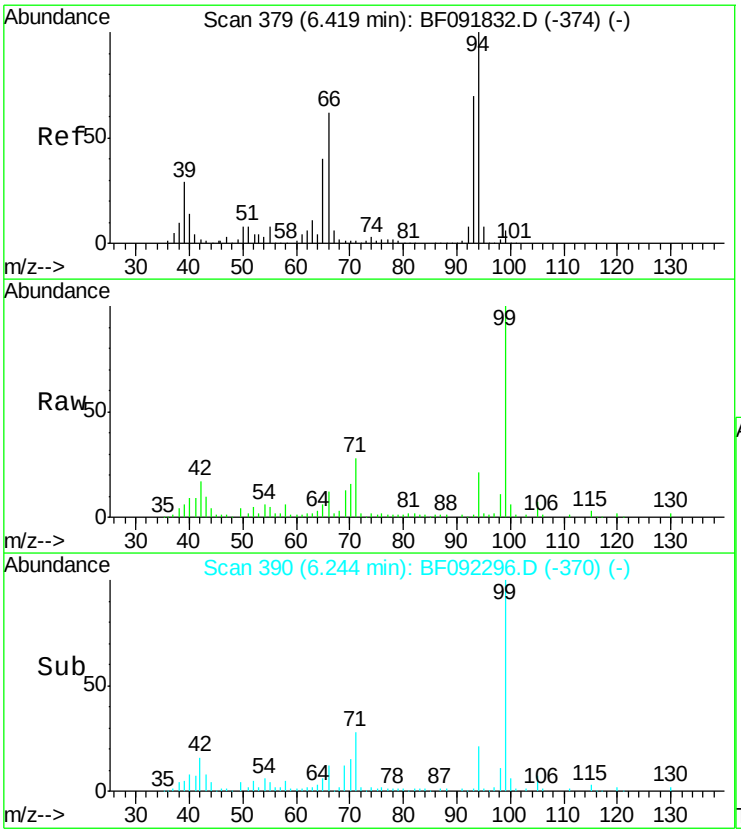

#7
Phenol-d6
Concen: 50.52 ng
RT: 6.22 min Scan# 388
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion: 99 Resp: 758441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.3 | 15.6 | 23.4 |
| 71 | 33.0 | 27.5 | 41.3 |

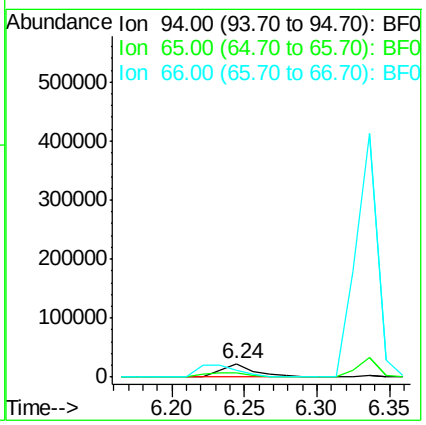


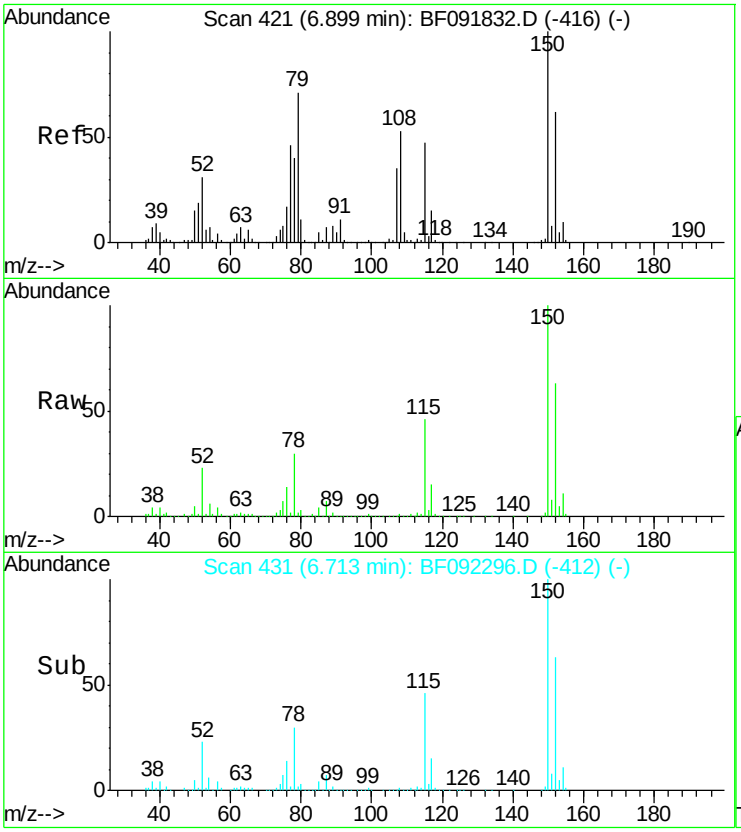




#10
Phenol
Concen: 2.09 ng
RT: 6.24 min Scan# 390
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion: 94 Resp: 35784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.3 | 21.4 | 61.4 |
| 66 | 56.1 | 44.0 | 84.0 |



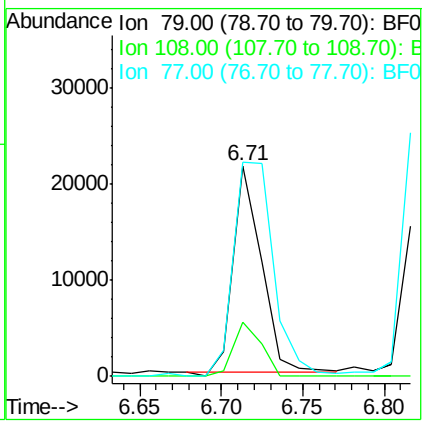


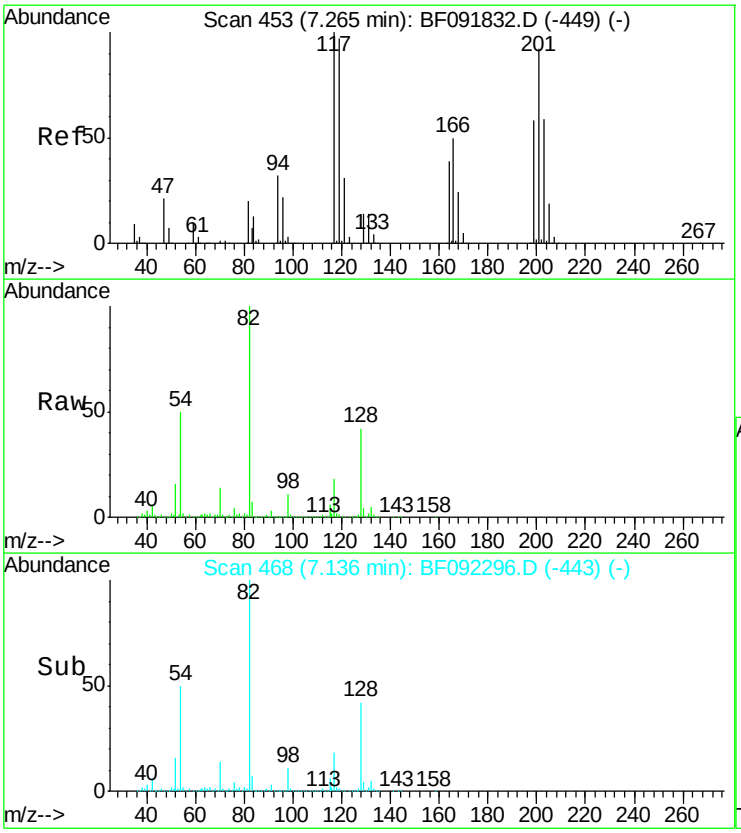

#15
Benzyl Alcohol
Concen: 2.17 ng
RT: 6.71 min Scan# 431
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion: 79 Resp: 25259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 26.0 | 61.4 | 92.0# |
| 77 | 101.9 | 50.9 | 76.3# |

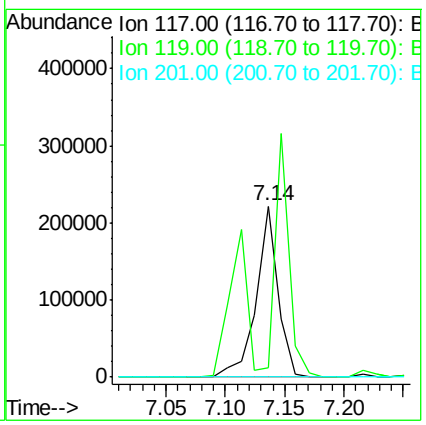


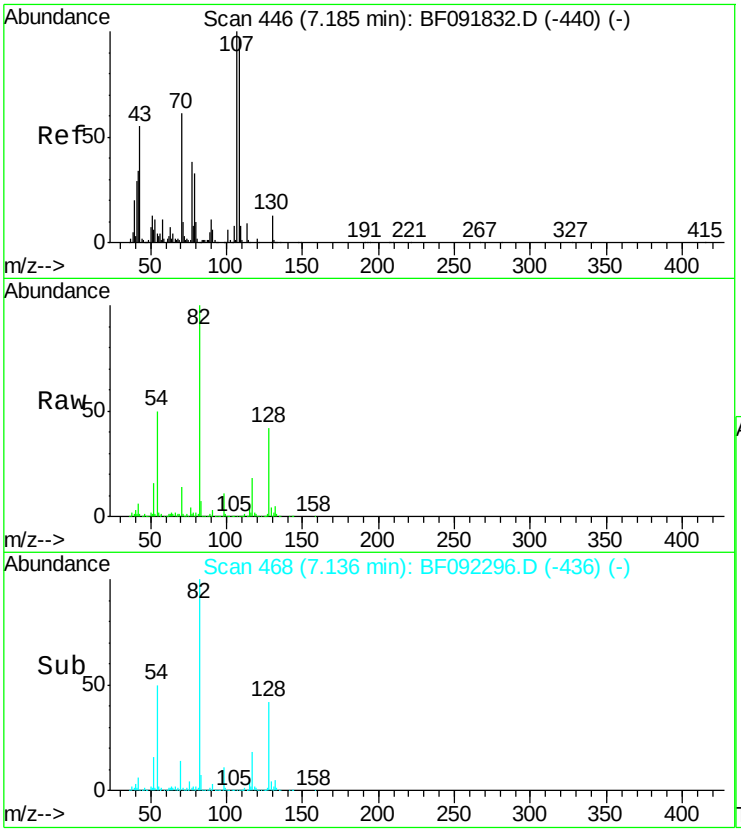




#18
Hexachloroethane
Concen: 50.50 ng
RT: 7.14 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:117 Resp: 284548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.2 | 78.1 | 117.1# |
| 201 | 0.0 | 78.6 | 117.8# |



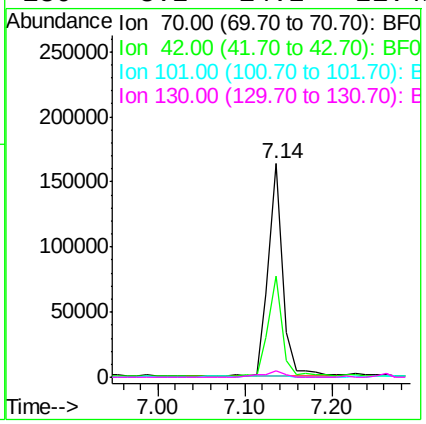


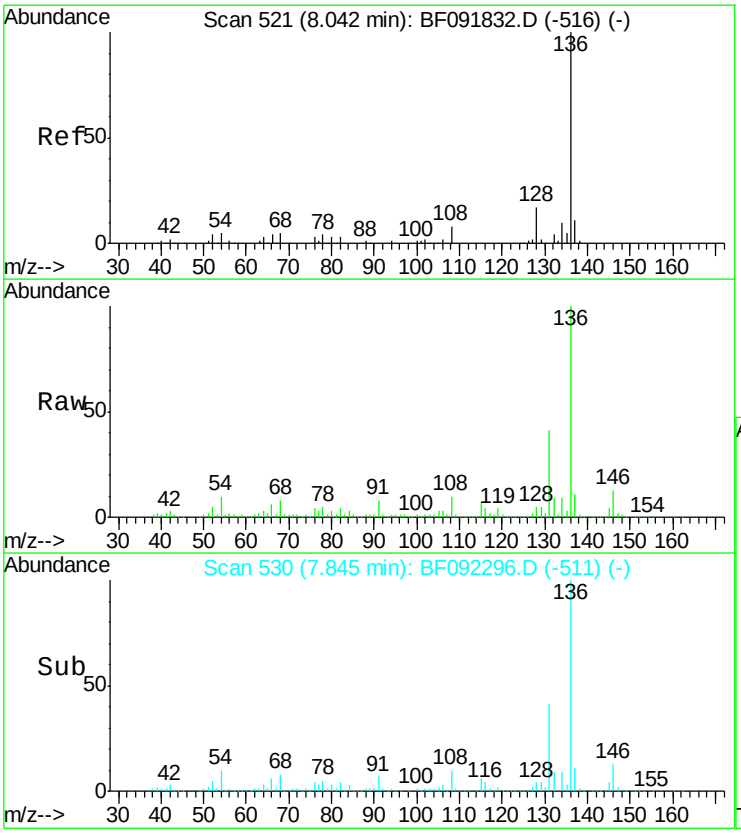

#19
n-Nitroso-di-n-propylamine
Concen: 19.10 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion: 70 Resp: 190777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.3 | 49.4 | 74.0# |
| 101 | 0.8 | 7.4 | 11.2# |
| 130 | 3.2 | 14.2 | 21.4# |

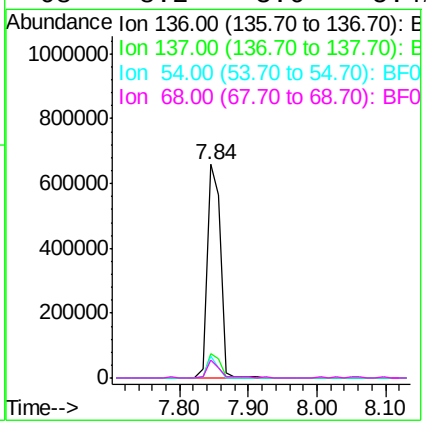


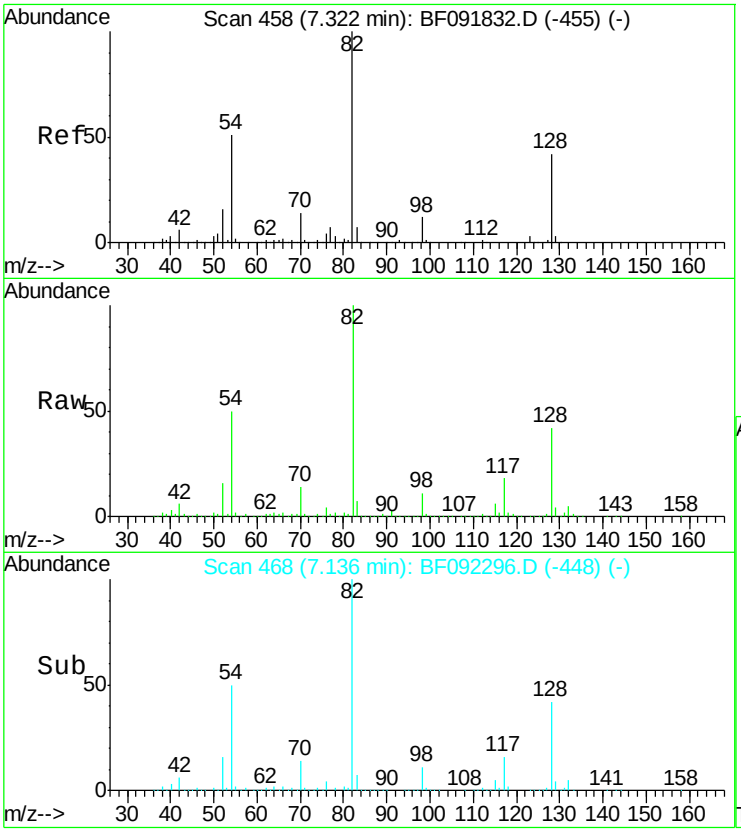




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:136 Resp: 877147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.4 | 12.6 |
| 54 | 10.1 | 4.5 | 6.7# |
| 68 | 8.2 | 3.6 | 5.4# |



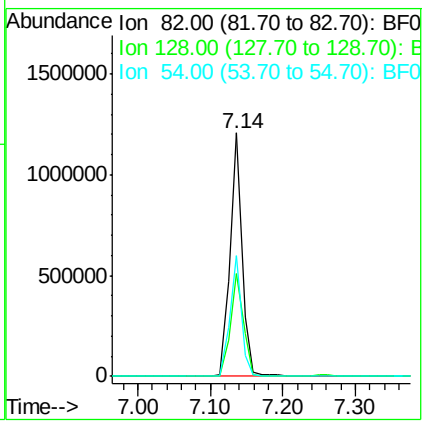


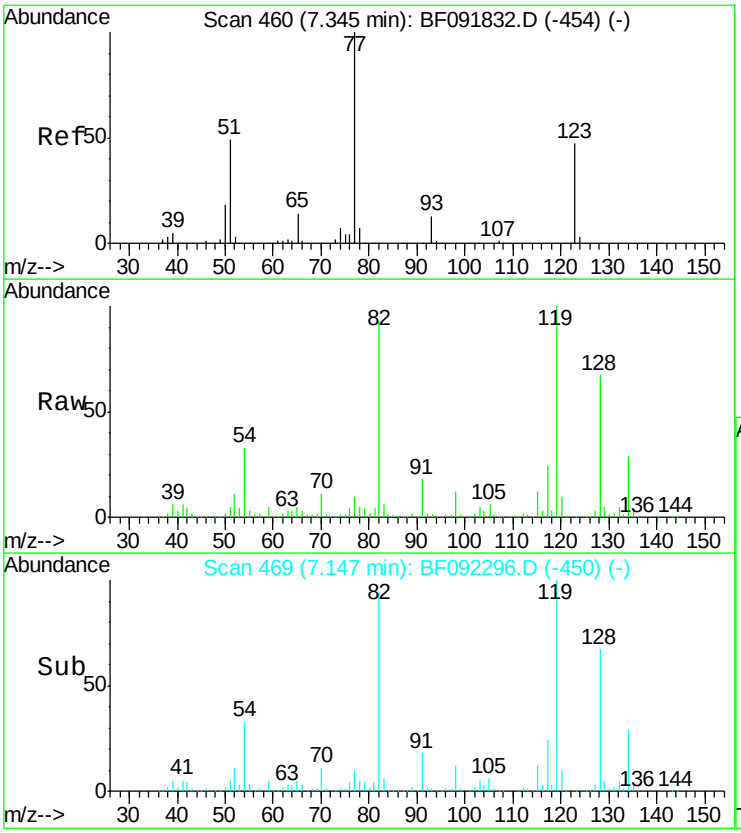

#23
Nitrobenzene-d5
Concen: 88.54 ng
RT: 7.14 min Scan# 468
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion: 82 Resp: 1396650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.5 | 34.6 | 52.0 |
| 54 | 49.7 | 39.5 | 59.3 |

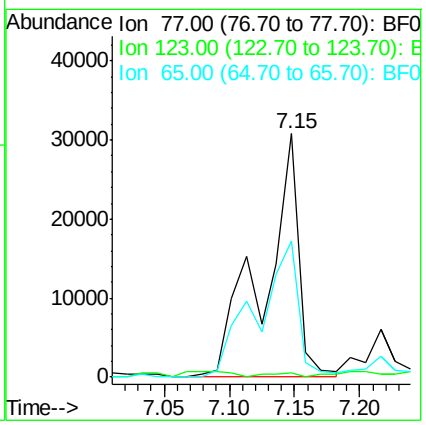


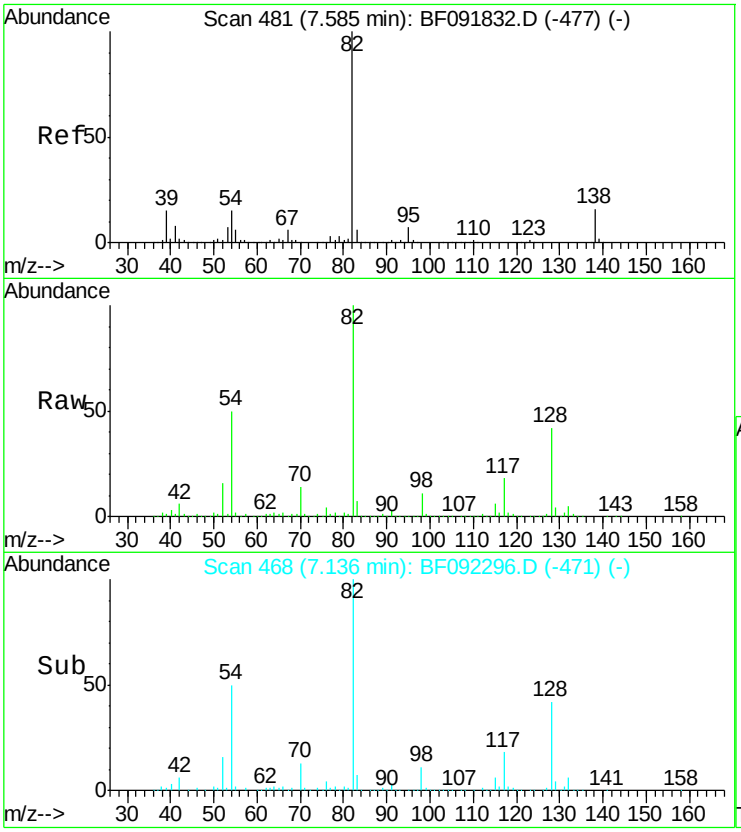




#24
Nitrobenzene
Concen: 3.38 ng
RT: 7.15 min Scan# 469
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion: 77 Resp: 56808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 1.8 | 33.0 | 49.4# |
| 65 | 55.9 | 11.2 | 16.8# |



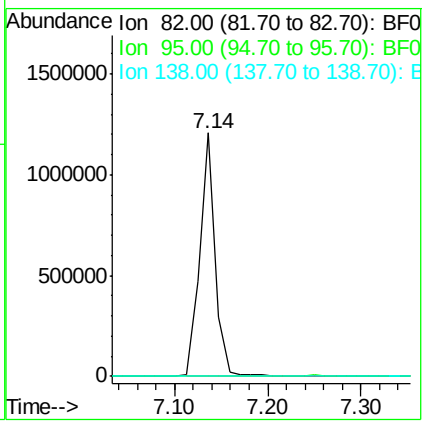


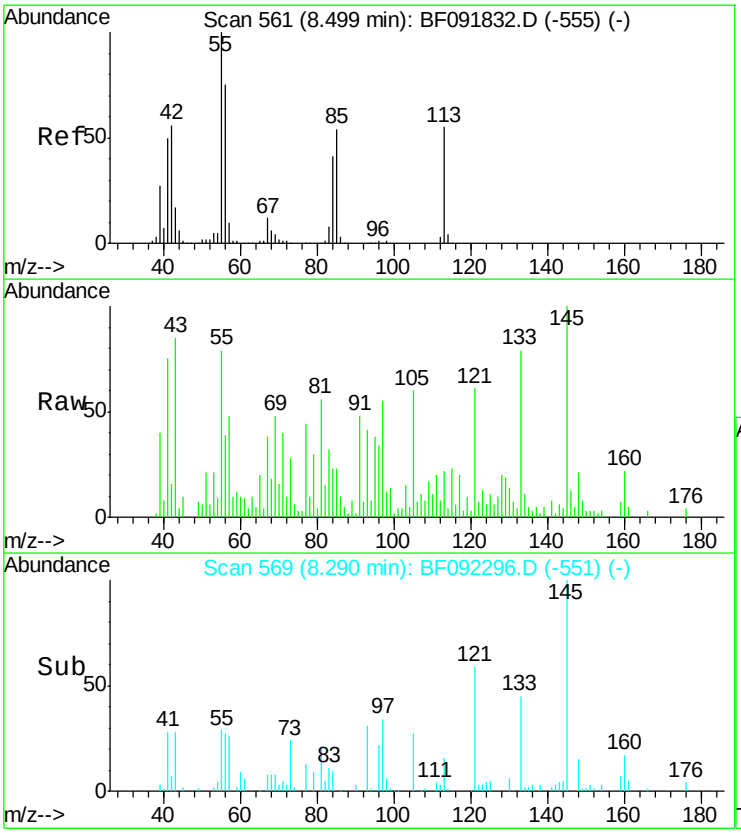

#25
Isophorone
Concen: 47.26 ng
RT: 7.14 min Scan# 468
Delta R.T. -0.34 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion: 82 Resp: 1375336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |

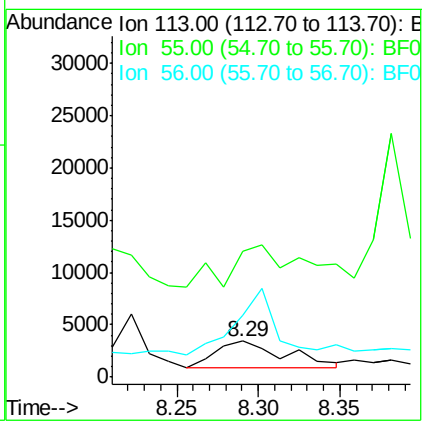


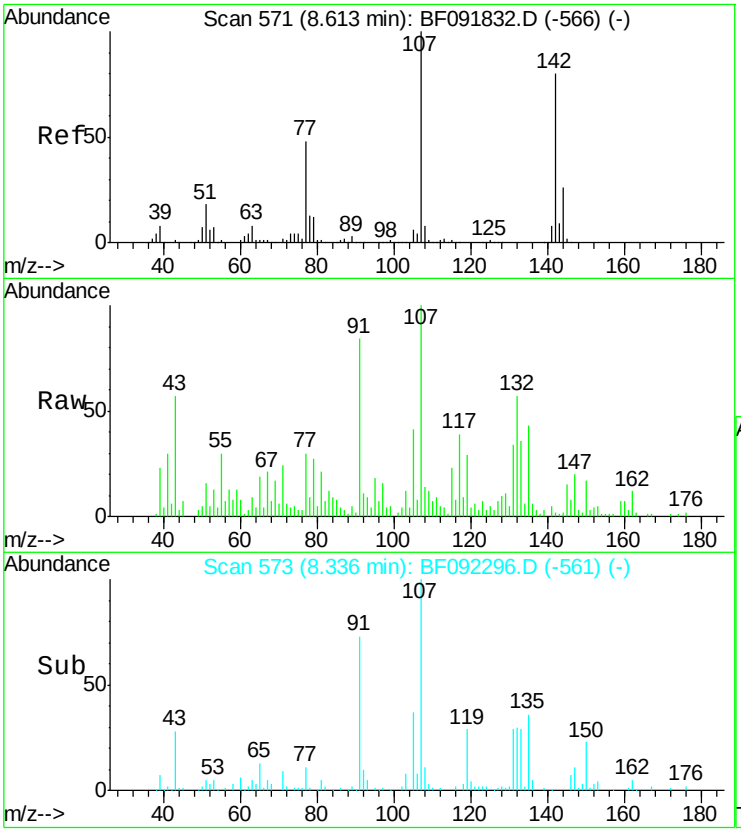




#35
Caprolactam
Concen: 2.01 ng
RT: 8.29 min Scan# 569
Delta R.T. -0.10 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:113 Resp: 7703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 350.9 | 119.2 | 159.2# |
| 56 | 171.4 | 83.8 | 123.8# |



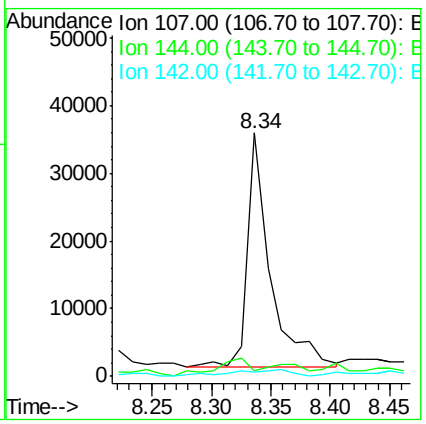


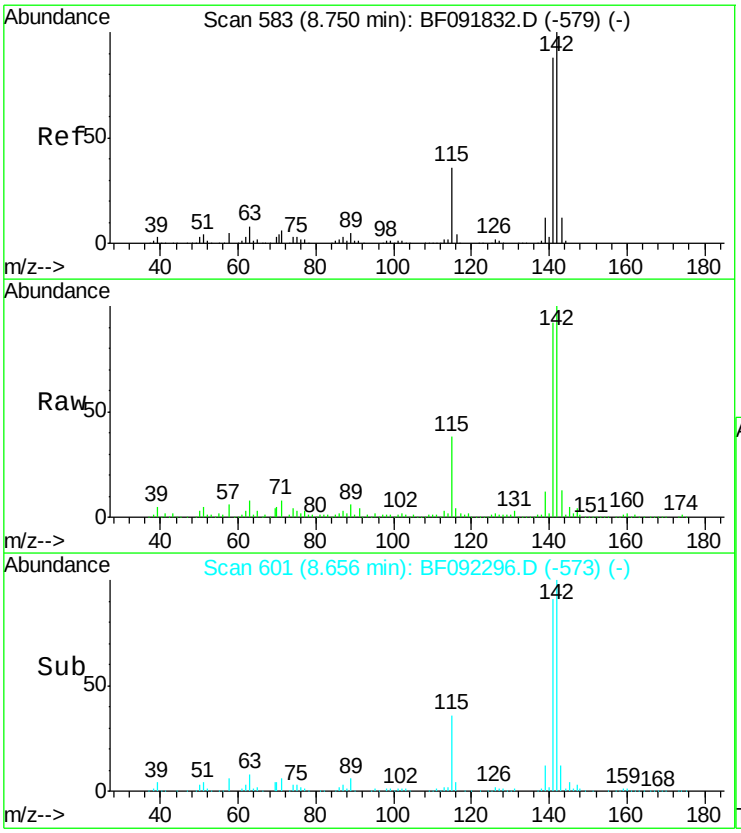

#36
4-Chloro-3-methylphenol
Concen: 3.48 ng
RT: 8.34 min Scan# 573
Delta R.T. -0.17 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:107 Resp: 46595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 2.4 | 19.3 | 28.9# |
| 142 | 1.6 | 59.0 | 88.6# |

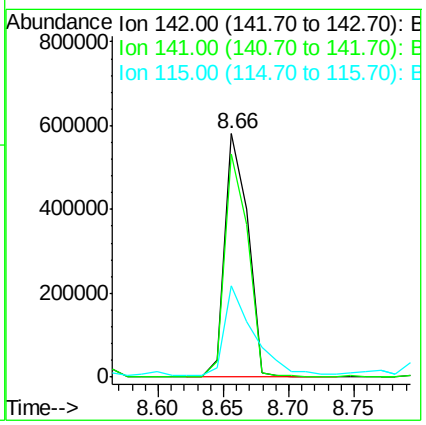


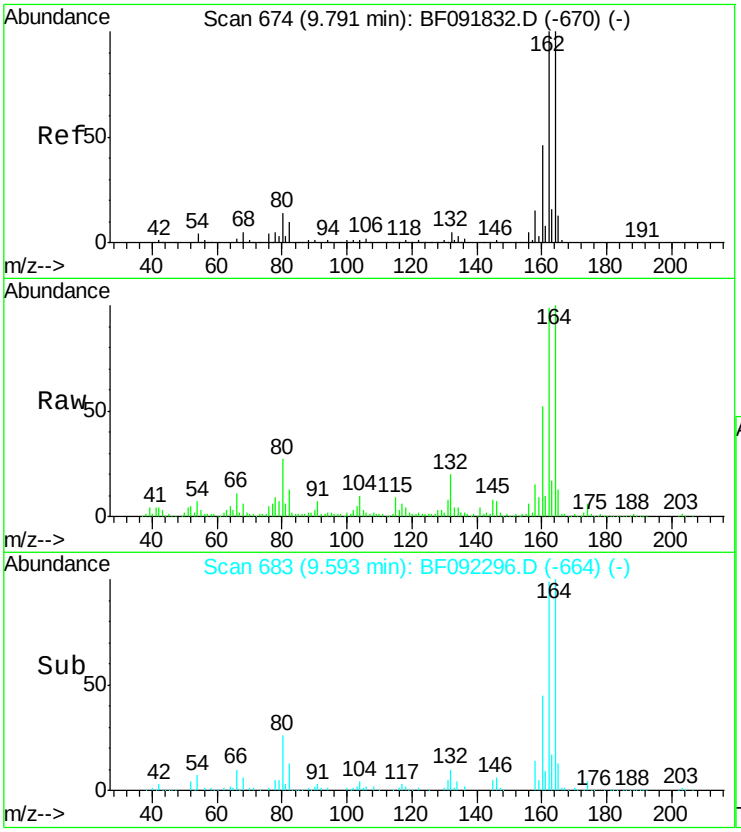




#37
2-Methylnaphthalene
Concen: 25.21 ng
RT: 8.66 min Scan# 601
Delta R.T. 0.01 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:142 Resp: 713162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 71.0 | 106.6 |
| 115 | 37.6 | 28.3 | 42.5 |



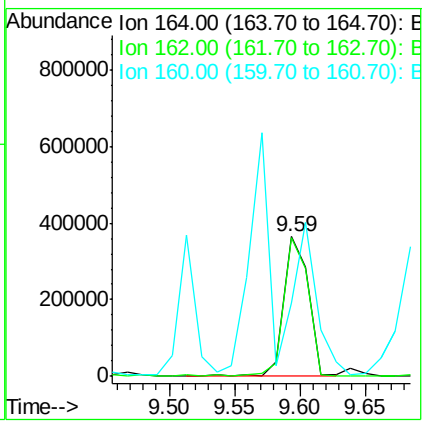


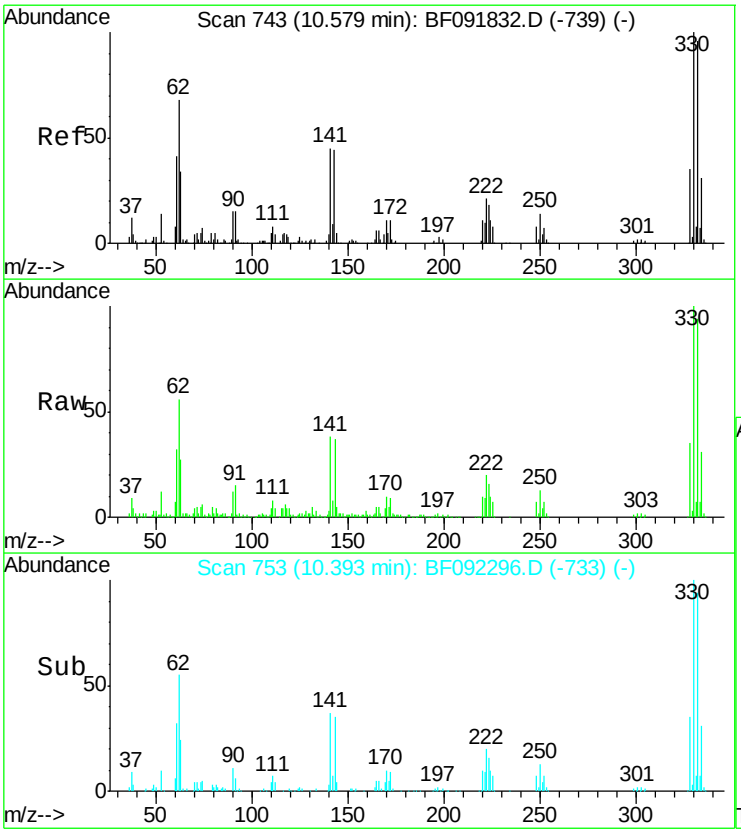

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 683
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:164 Resp: 474880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 80.2 | 120.2 |
| 160 | 52.2 | 36.9 | 55.3 |

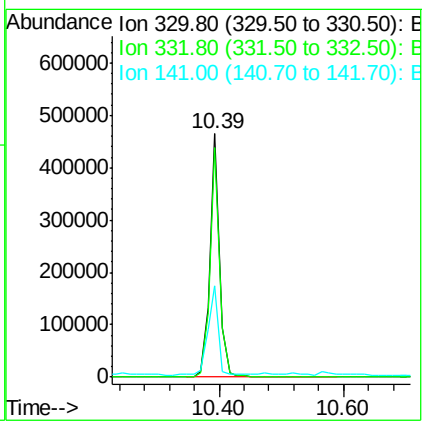


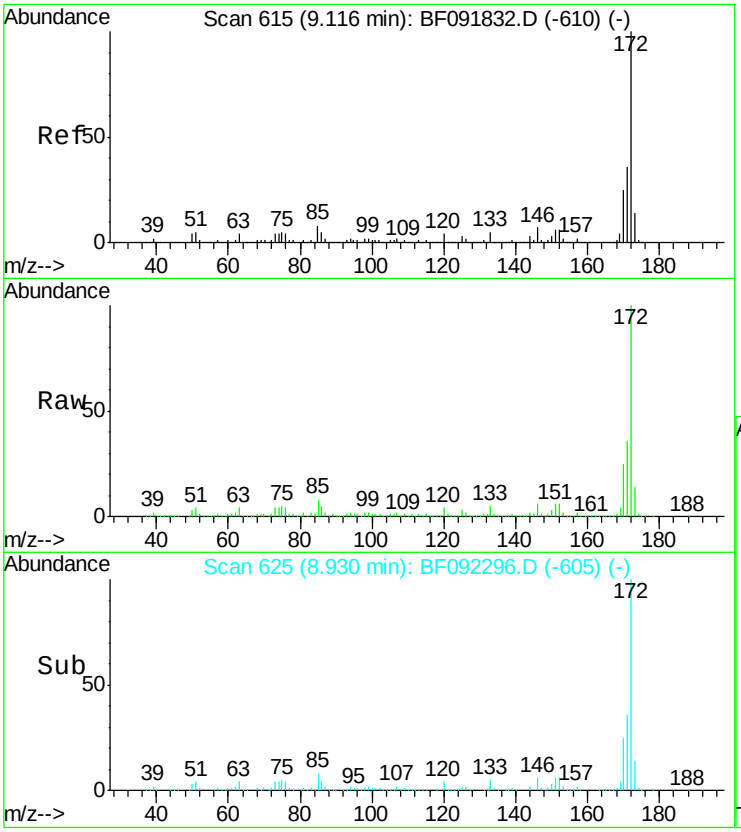




#41
2,4,6-Tribromophenol
Concen: 126.64 ng
RT: 10.39 min Scan# 753
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:330 Resp: 497694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 77.4 | 116.2 |
| 141 | 39.7 | 34.1 | 51.1 |



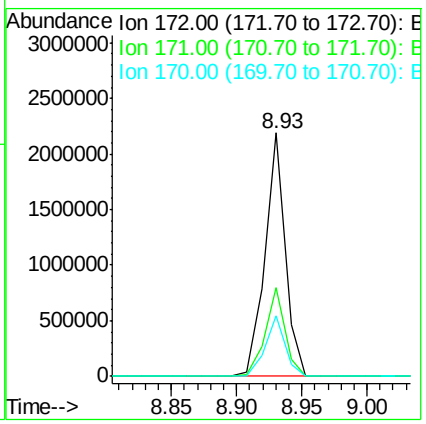


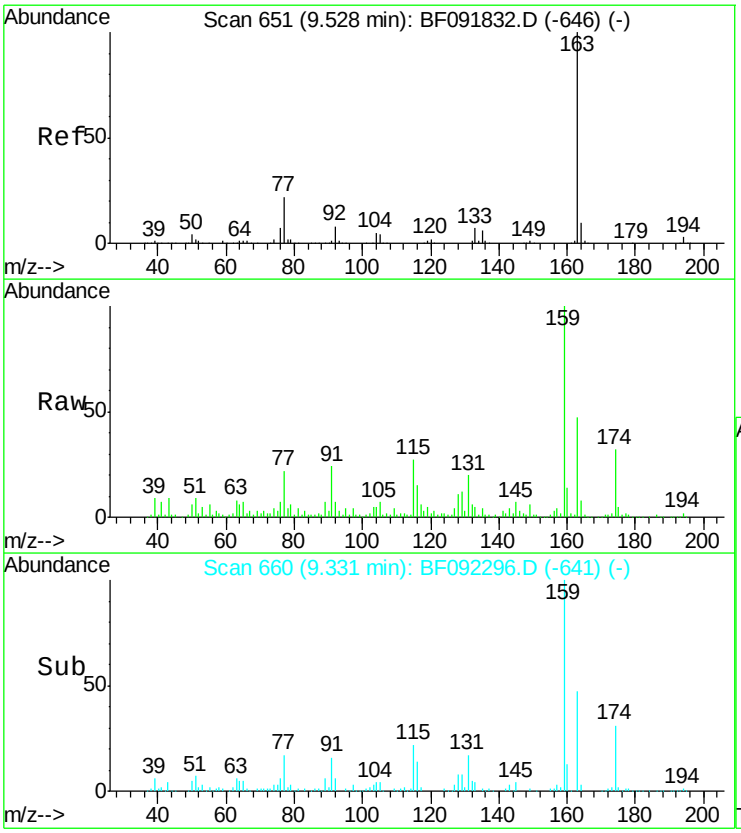

#44
2-Fluorobiphenyl
Concen: 106.66 ng
RT: 8.93 min Scan# 625
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:172 Resp: 2395809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 29.4 | 44.0 |
| 170 | 24.7 | 20.2 | 30.4 |

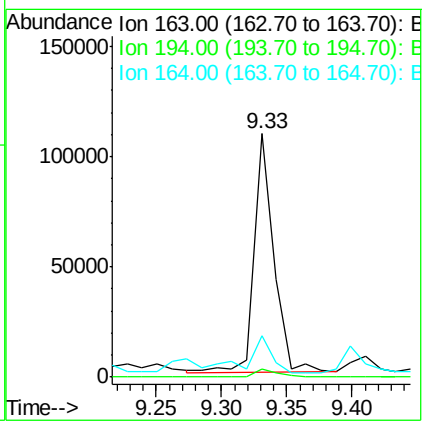


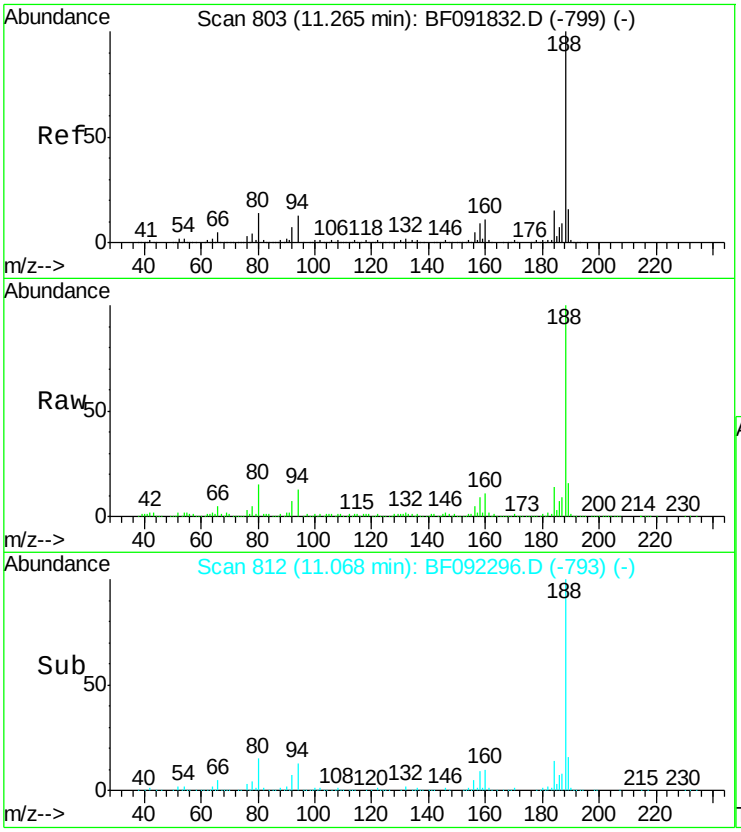




#49
Dimethylphthalate
Concen: 3.70 ng
RT: 9.33 min Scan# 660
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:163 Resp: 112418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 3.0 | 4.4 |
| 164 | 16.8 | 8.0 | 12.0# |



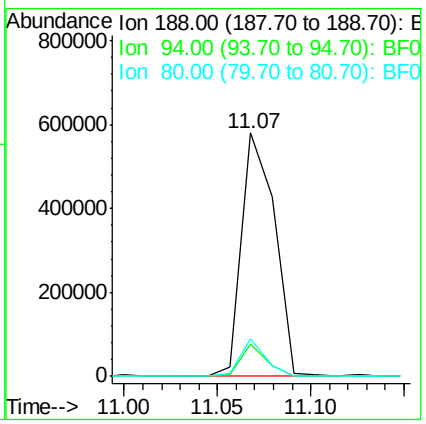


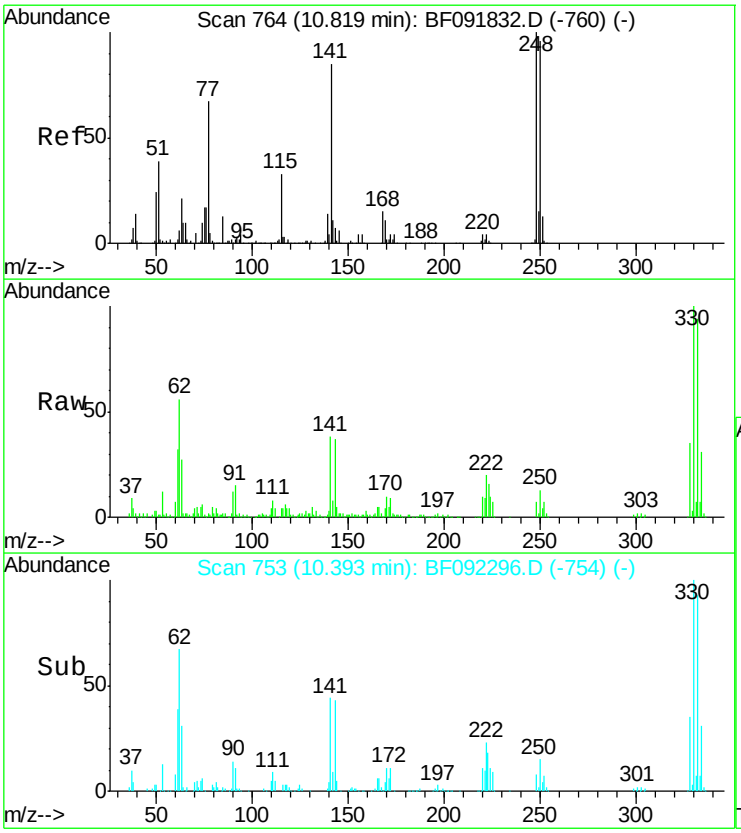

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 812
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:188 Resp: 711658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.4 | 10.0 | 15.0 |
| 80 | 15.3 | 11.2 | 16.8 |

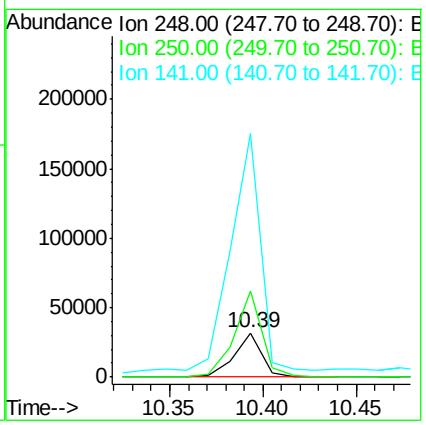


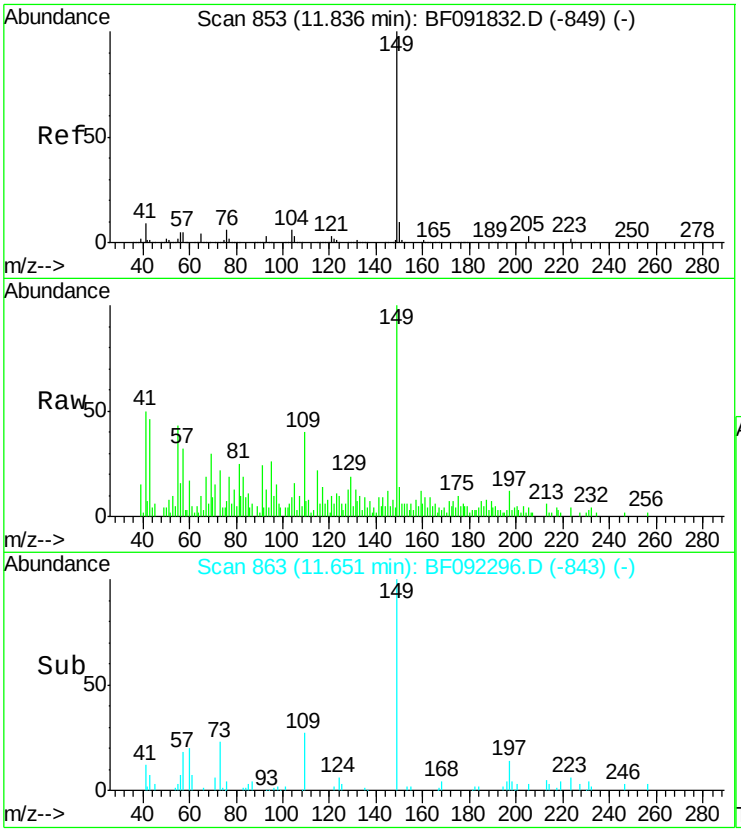




#66
4-Bromophenyl-phenylether
Concen: 4.41 ng
RT: 10.39 min Scan# 753
Delta R.T. -0.32 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:248 Resp: 32618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 194.7 | 76.9 | 115.3# |
| 141 | 548.6 | 68.2 | 102.4# |



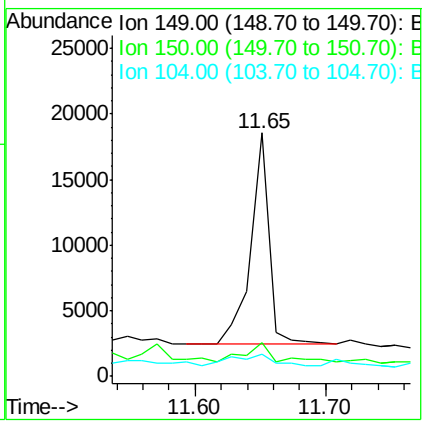


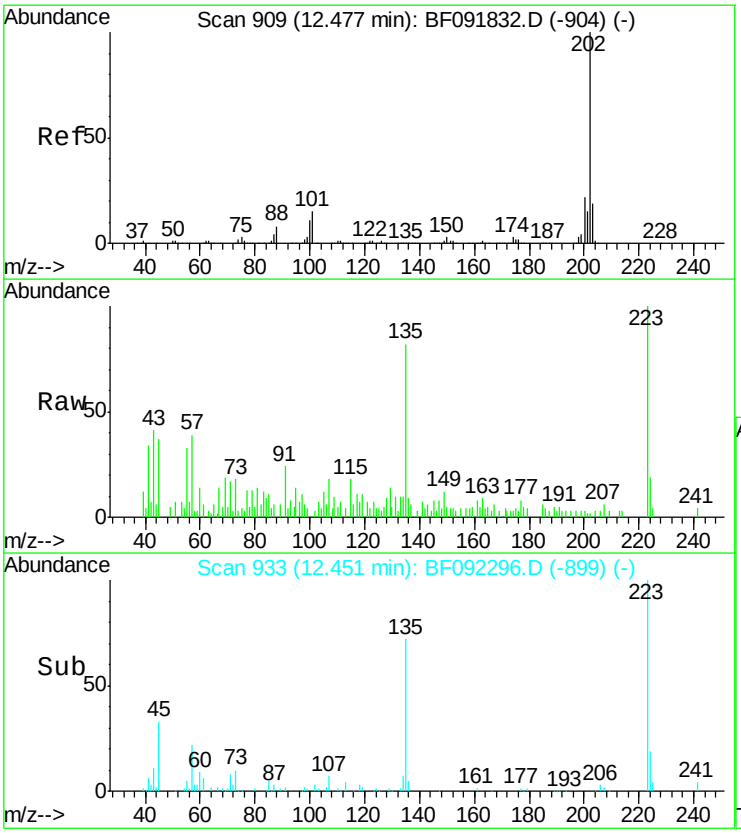

#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.65 min Scan# 863
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:149 Resp: 16012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 13.7 | 8.1 | 12.1# |
| 104 | 9.2 | 4.6 | 7.0# |

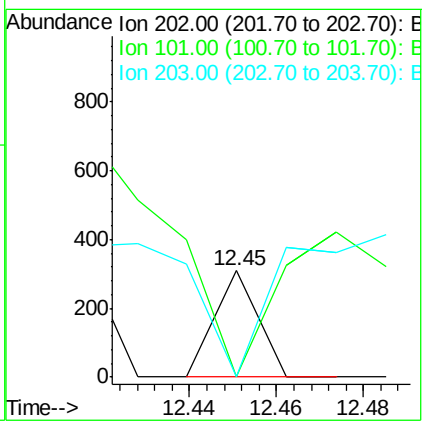


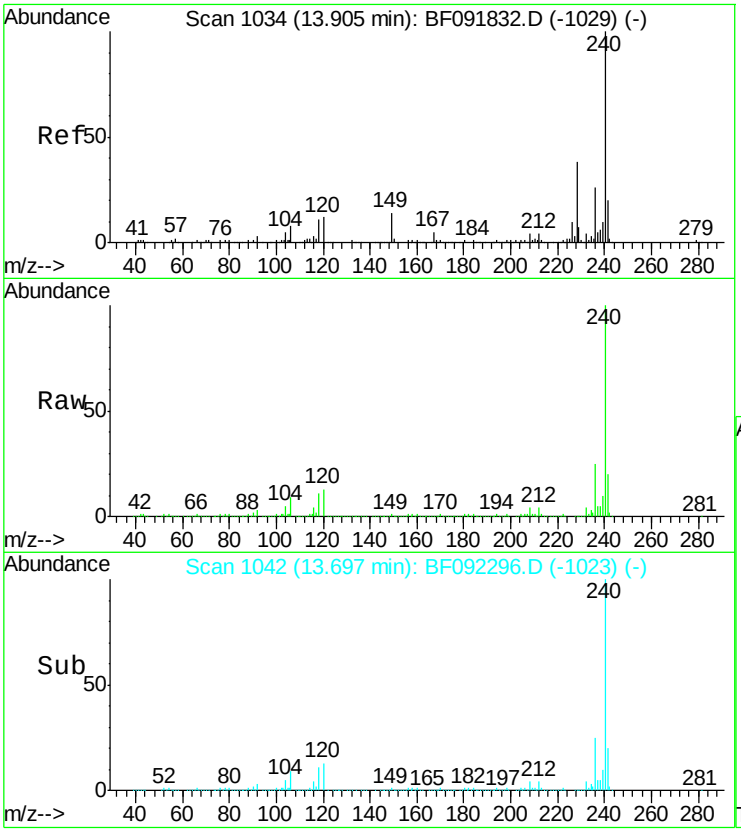




#74
Fluoranthene
Concen: Below Cal
RT: 12.45 min Scan# 933
Delta R.T. 0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:202 Resp: 212

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



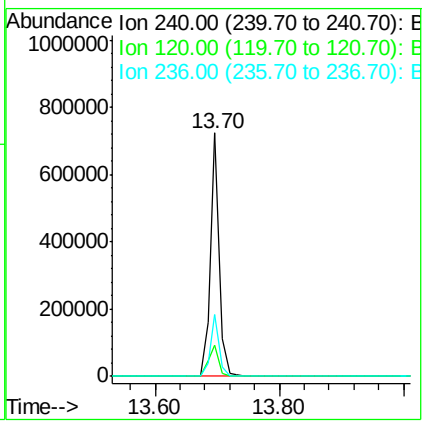


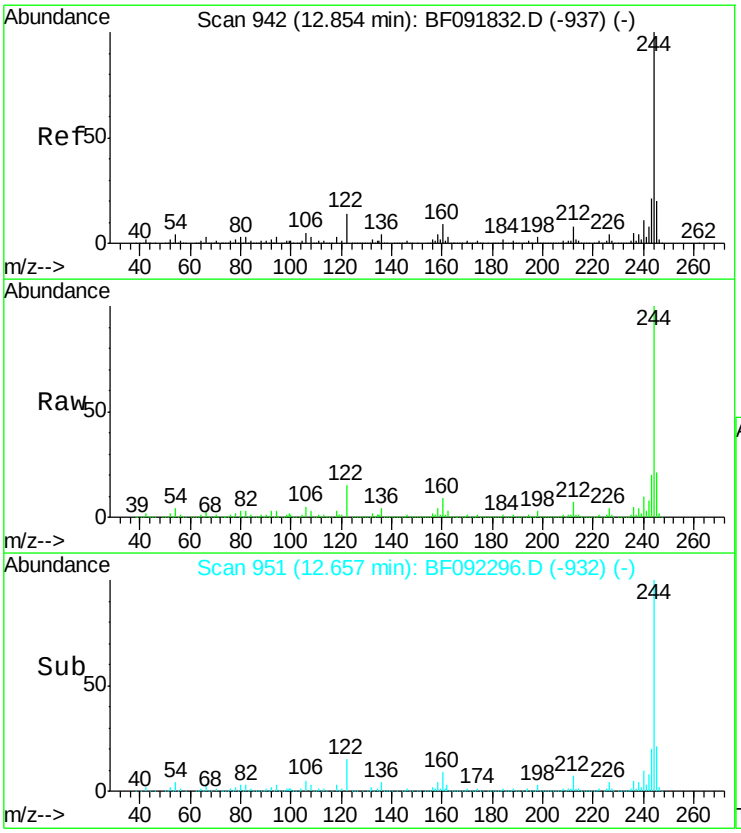

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1042
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:240 Resp: 701310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.8 | 12.9 | 19.3# |
| 236 | 25.4 | 20.9 | 31.3 |

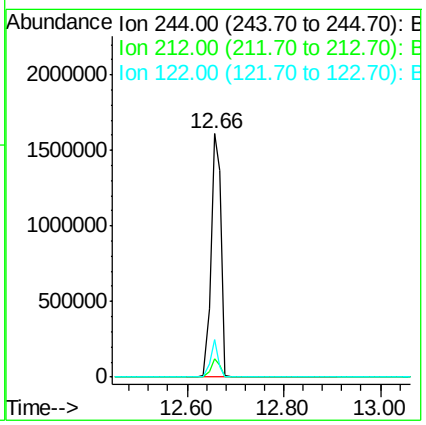


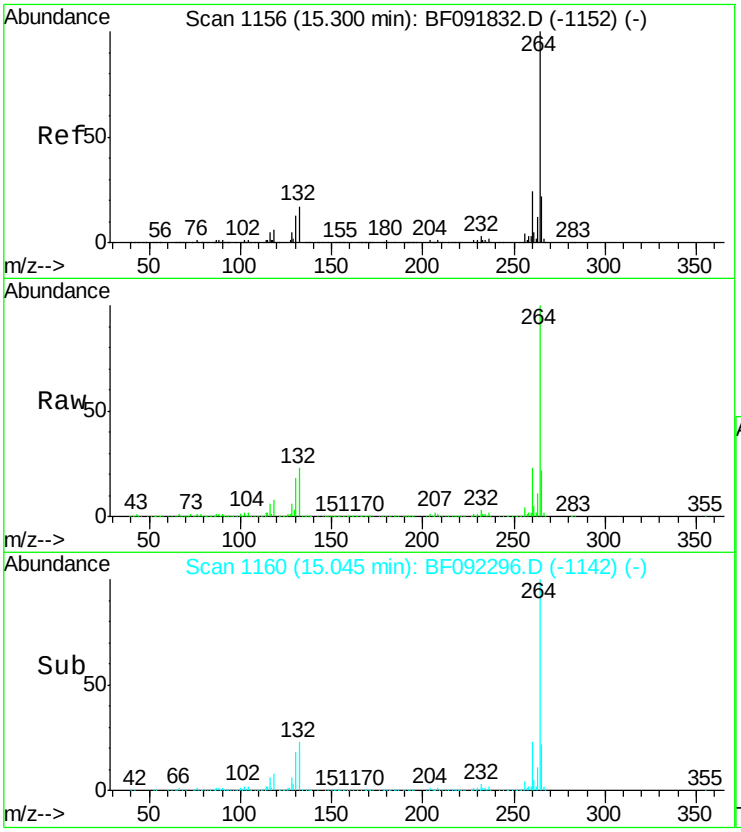




#78
Terphenyl-d14
Concen: 82.48 ng
RT: 12.66 min Scan# 951
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion:244 Resp: 2385109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.2 | 9.2 |
| 122 | 15.2 | 11.4 | 17.2 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1160
Delta R.T. -0.10 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

**Instrument :**
BNA_F
**ClientSampleId :**
W-38

Tgt Ion:264 Resp: 527722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 19.2 | 28.8 |
| 265 | 22.0 | 17.4 | 26.0 |