Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
Data File : BF089001.D
Acq On : 14 Jul 2016 22:51
Operator : UM/SJ
Sample : H3996-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** C8-B2(0-5)C

Quant Time: Jul 15 01:19:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

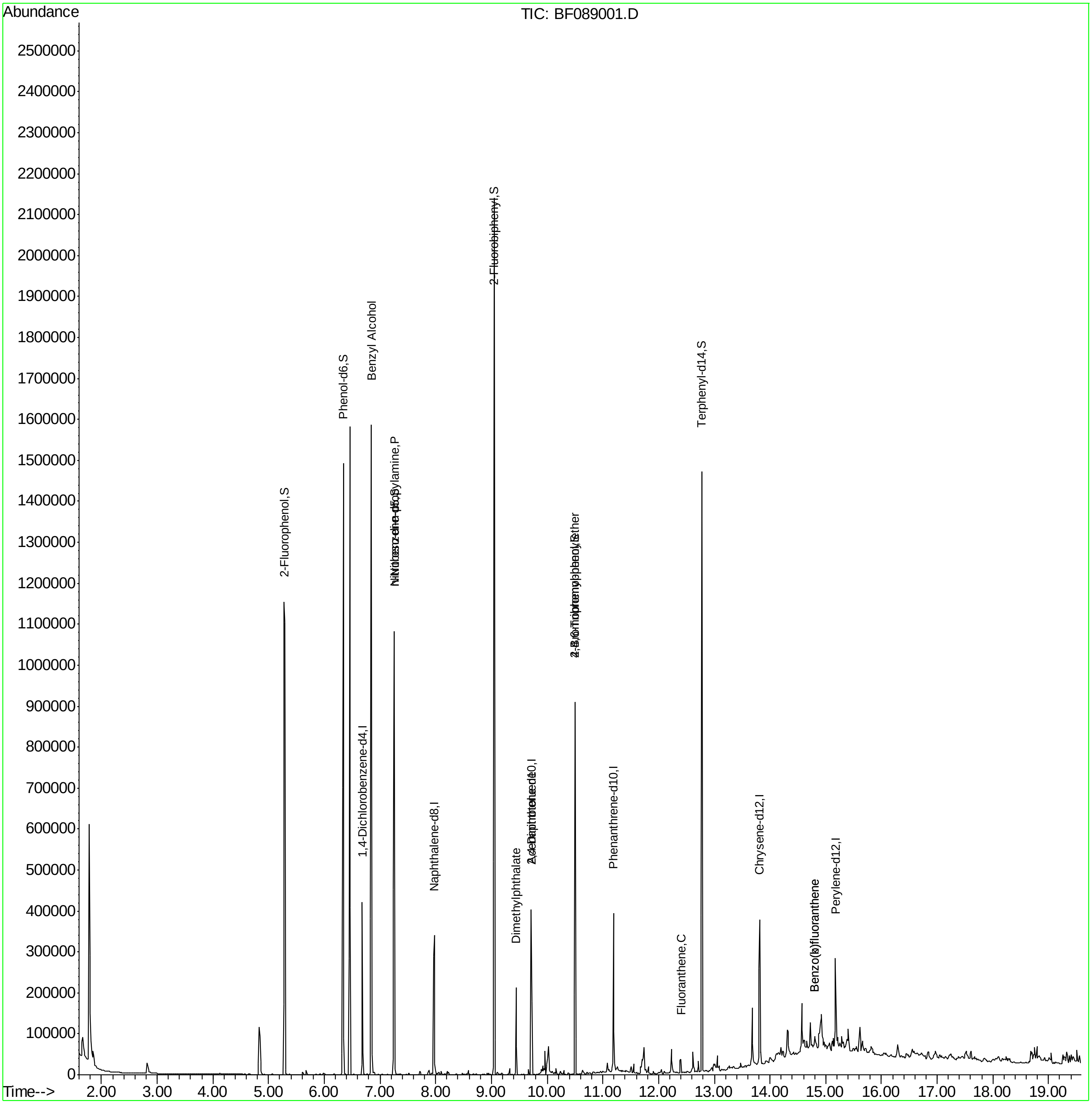
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.68 | 152 | 55820 | 20.00 ng | -0.02 |
| 21) Naphthalene-d8 | 7.98 | 136 | 212292 | 20.00 ng | -0.02 |
| 38) Acenaphthene-d10 | 9.71 | 164 | 84572 | 20.00 ng | -0.03 |
| 63) Phenanthrene-d10 | 11.19 | 188 | 135877 | 20.00 ng | -0.03 |
| 75) Chrysene-d12 | 13.82 | 240 | 123141 | 20.00 ng | -0.03 |
| 86) Perylene-d12 | 15.18 | 264 | 90479 | 20.00 ng | -0.03 |
| **System Monitoring Compounds** | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 490571 | 131.71 ng | 0.00 |
| 7) Phenol-d6 | 6.34 | 99 | 554709 | 115.26 ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 382899 | 94.52 ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.50 | 330 | 75813 | 96.54 ng | -0.03 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 595262 | 111.18 ng | -0.02 |
| 78) Terphenyl-d14 | 12.78 | 244 | 400535 | 72.45 ng | -0.02 |
| **Target Compounds** | | | | | Qvalue |
| 15) Benzyl Alcohol | 6.84 | 79 | 7647 | 2.16 ng | # 43 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 53707 | 16.61 ng | # 74 |
| 49) Dimethylphthalate | 9.44 | 163 | 86167 | 14.30 ng | 99 |
| 56) 2,4-Dinitrotoluene | 9.71 | 165 | 11127 | 6.37 ng | # 36 |
| 66) 4-Bromophenyl-phenylether | 10.50 | 248 | 6352 | 4.64 ng | # 1 |
| 74) Fluoranthene | 12.40 | 202 | 18480 | 2.45 ng | 94 |
| 87) Benzo(b)fluoranthene | 14.80 | 252 | 18426 | 3.25 ng | # 86 |
| 88) Benzo(k)fluoranthene | 14.80 | 252 | 18426 | 3.73 ng | # 90 |

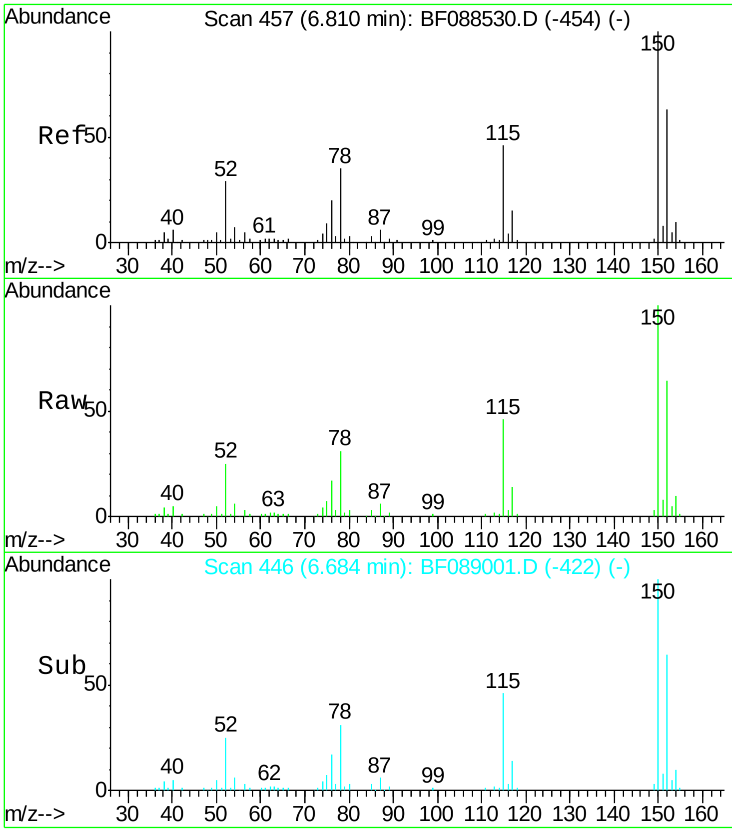
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
Data File : BF089001.D
Acq On : 14 Jul 2016 22:51
Operator : UM/SJ
Sample : H3996-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Quant Time: Jul 15 01:19:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration



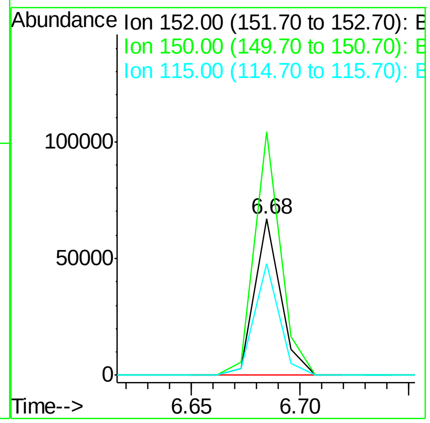


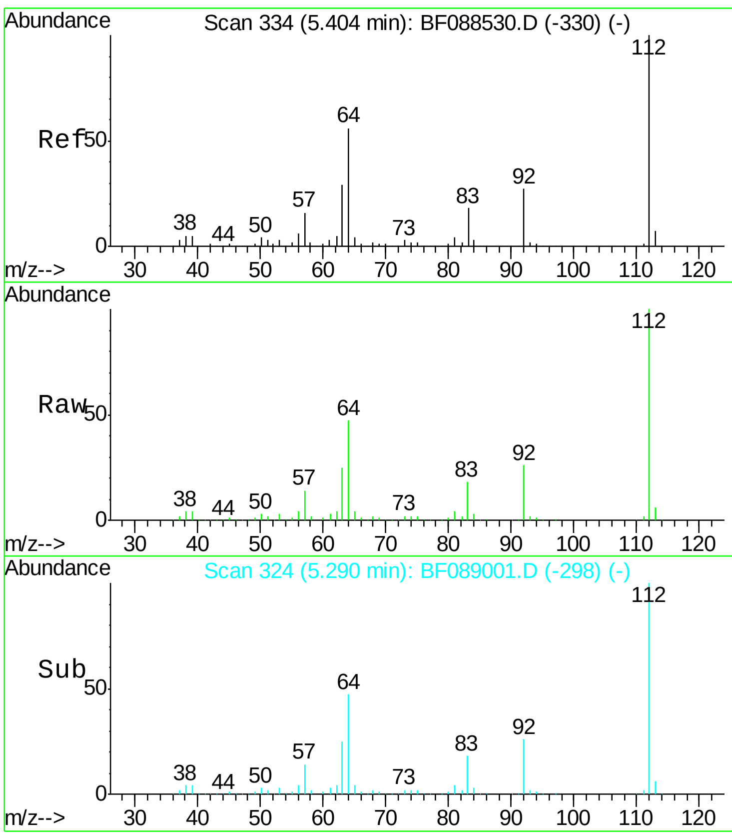

#1
1,4-Dichlorobenzene-d4
Concen:   20.00 ng
RT: 6.68 min   Scan# 446
Delta R.T.   -0.02 min
Lab File:   BF089001.D
Acq: 14 Jul 2016   22:51

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Tgt Ion:152 Resp:   55820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 123.8 | 185.6 |
| 115 | 71.2 | 39.6 | 59.4# |

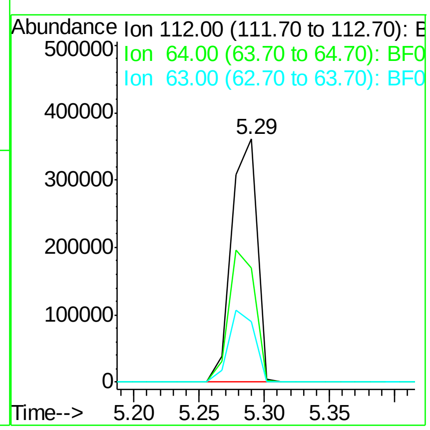


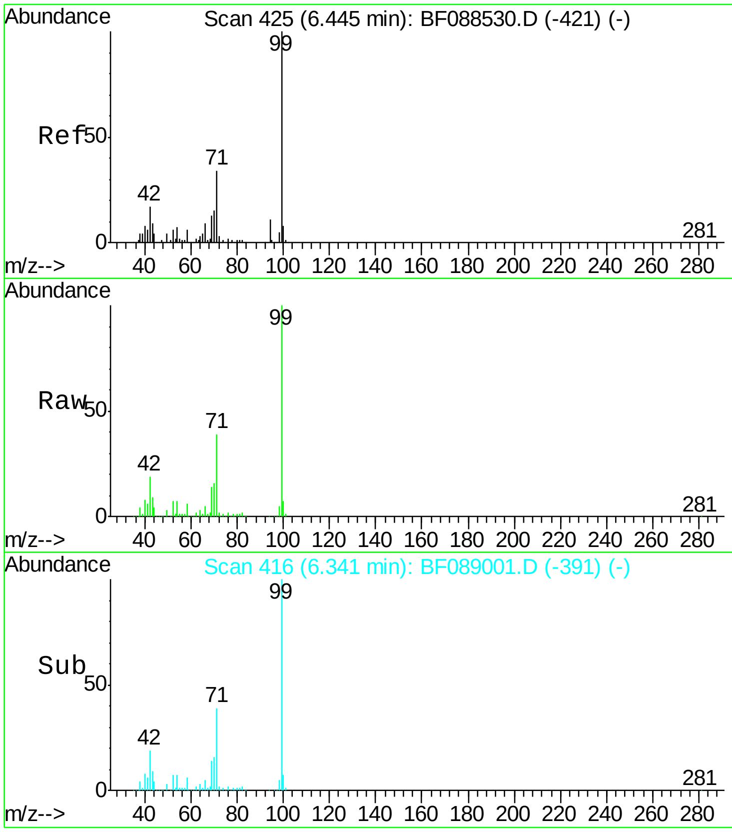




#5
2-Fluorophenol
Concen:  131.71 ng
RT: 5.29 min   Scan# 324
Delta R.T.   -0.00 min
Lab File:   BF089001.D
Acq: 14 Jul 2016   22:51

Tgt Ion:112 Resp:  490571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.1 | 42.2 | 63.2 |
| 63 | 24.8 | 21.8 | 32.8 |



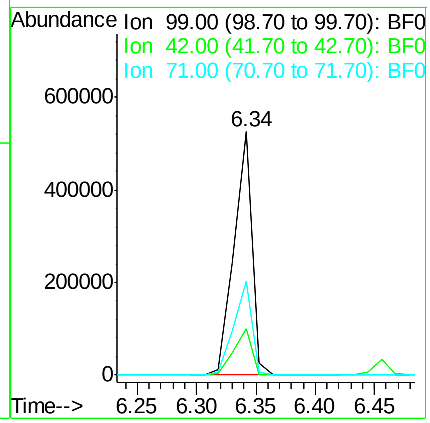


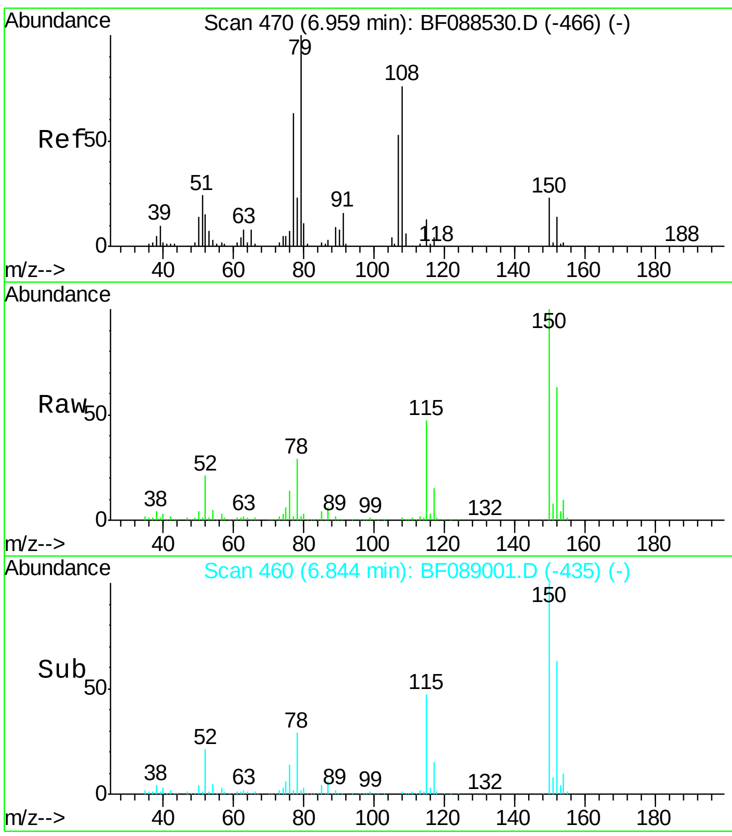

#7
Phenol-d6
Concen:  115.26 ng
RT: 6.34 min  Scan# 416
Delta R.T.   -0.01 min
Lab File:   BF089001.D
Acq: 14 Jul 2016  22:51

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Tgt Ion: 99 Resp:  554709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 12.2 | 18.2# |
| 71 | 38.6 | 23.4 | 35.0# |

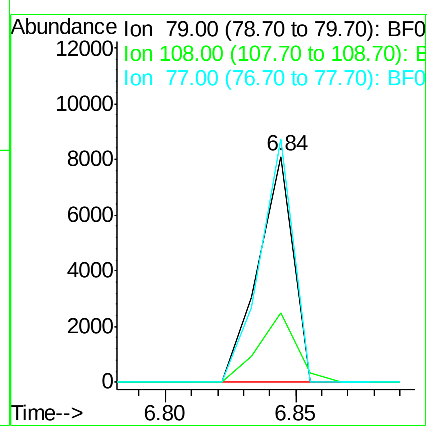


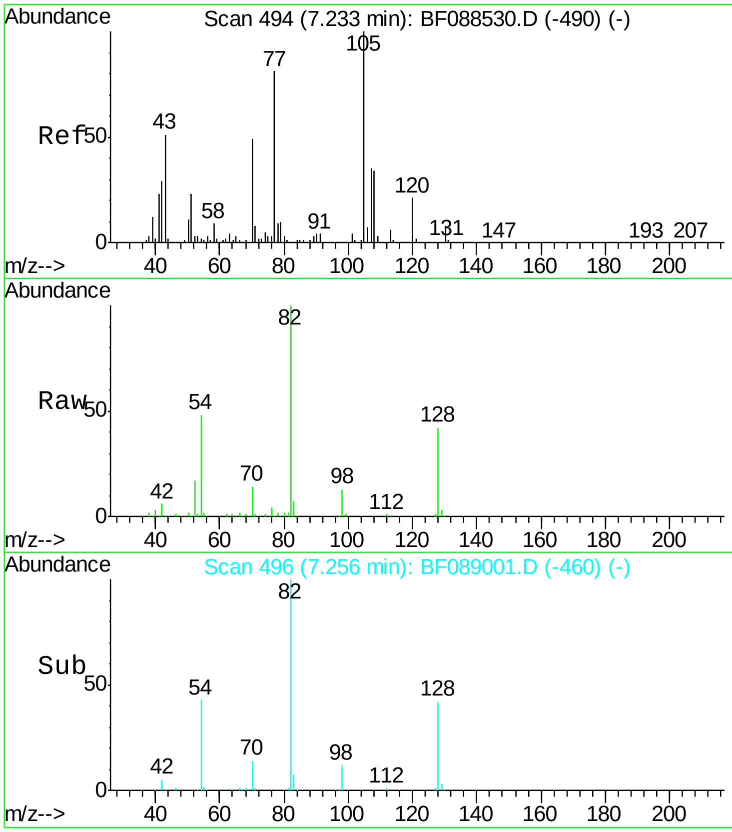




#15
Benzyl Alcohol
Concen:    2.16 ng
RT: 6.84 min  Scan# 460
Delta R.T.   -0.01 min
Lab File:   BF089001.D
Acq: 14 Jul 2016  22:51

Tgt Ion: 79 Resp:    7647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 30.7 | 65.0 | 97.6# |
| 77 | 107.8 | 50.3 | 75.5# |



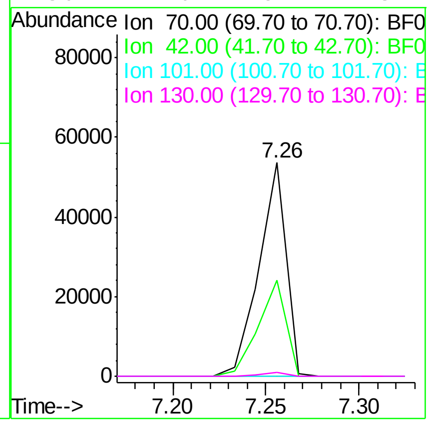


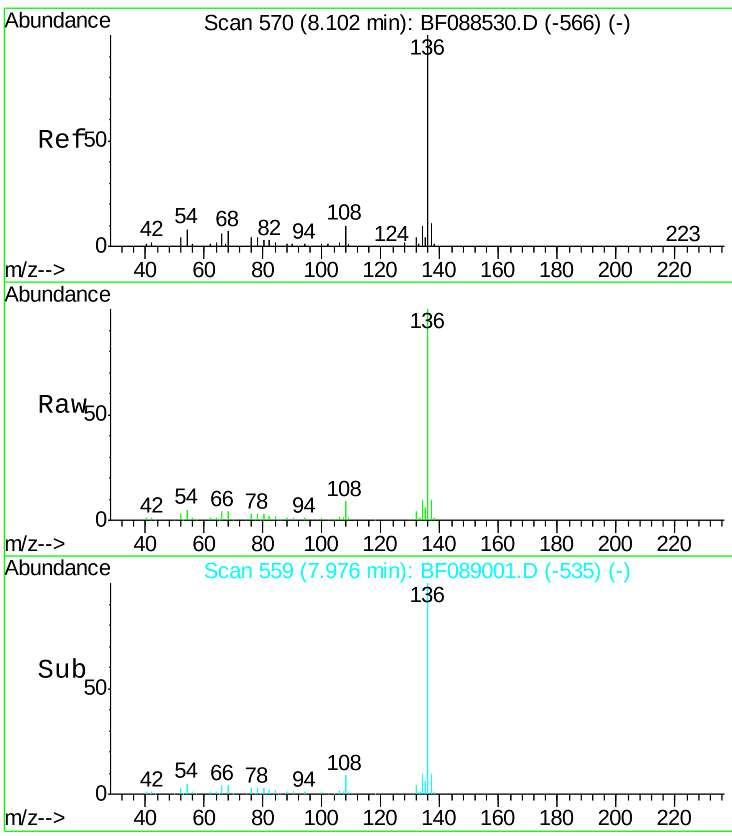

#19
n-Nitroso-di-n-propylamine
Concen: 16.61 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.11 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

**Instrument :** BNA_F
**ClientSampleId :** C8-B2(0-5)C

Tgt Ion: 70 Resp: 53707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.7 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.0 | 15.4 | 23.2# |

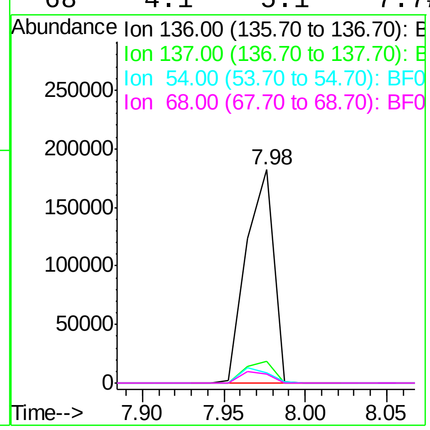


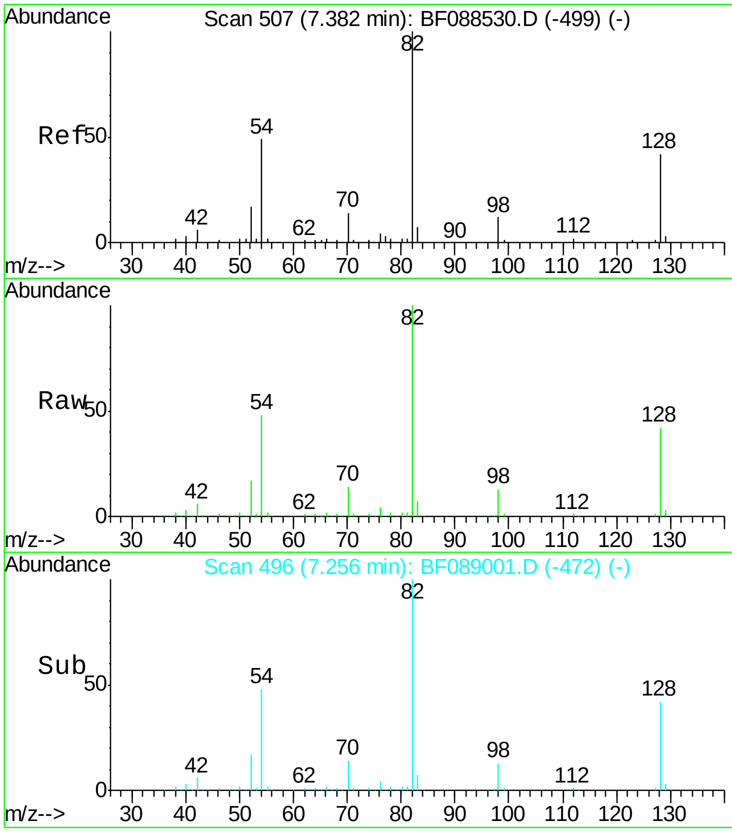




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:136 Resp: 212292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.0 | 9.1 | 13.7 |
| 54 | 4.6 | 6.6 | 10.0# |
| 68 | 4.1 | 5.1 | 7.7# |



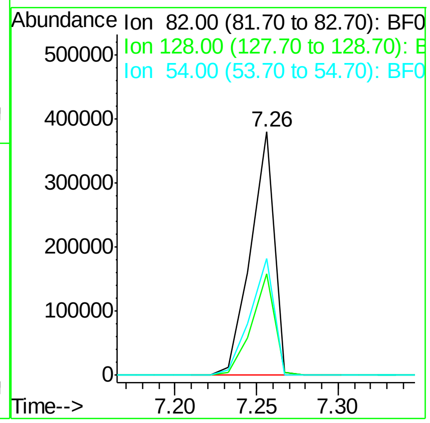


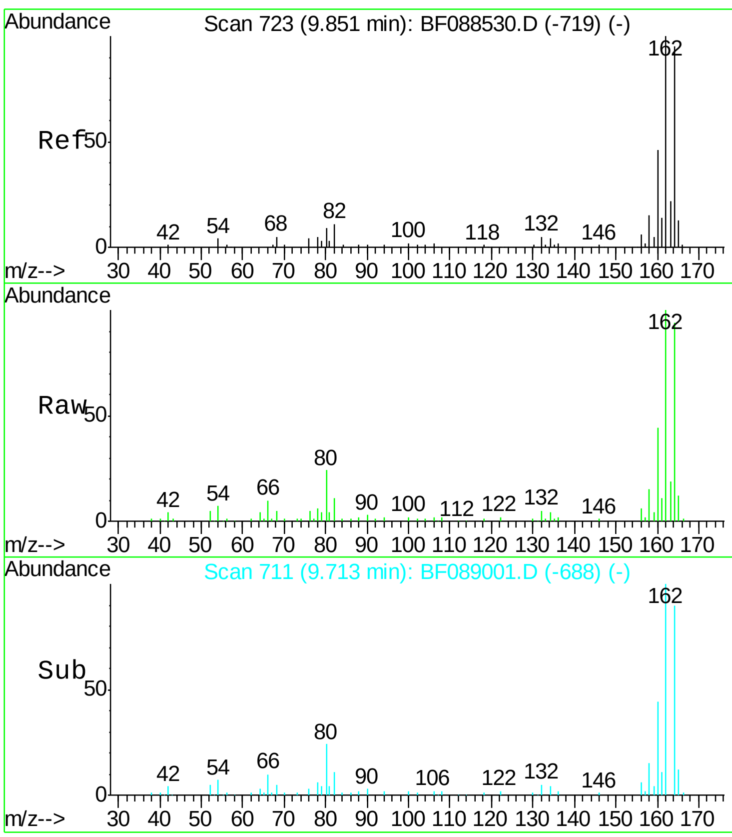

#23
Nitrobenzene-d5
Concen:   94.52 ng
RT: 7.26 min   Scan# 496
Delta R.T.    -0.02 min
Lab File:    BF089001.D
Acq: 14 Jul 2016   22:51

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Tgt Ion: 82 Resp:   382899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.6 | 35.9 | 53.9 |
| 54 | 48.2 | 40.9 | 61.3 |

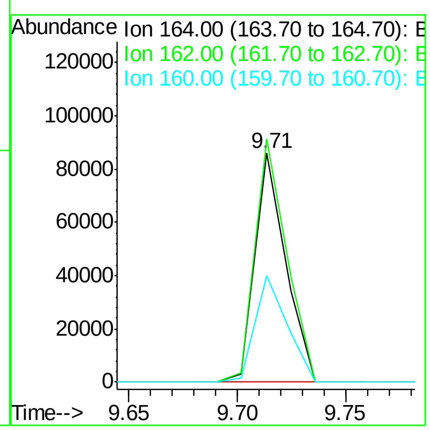


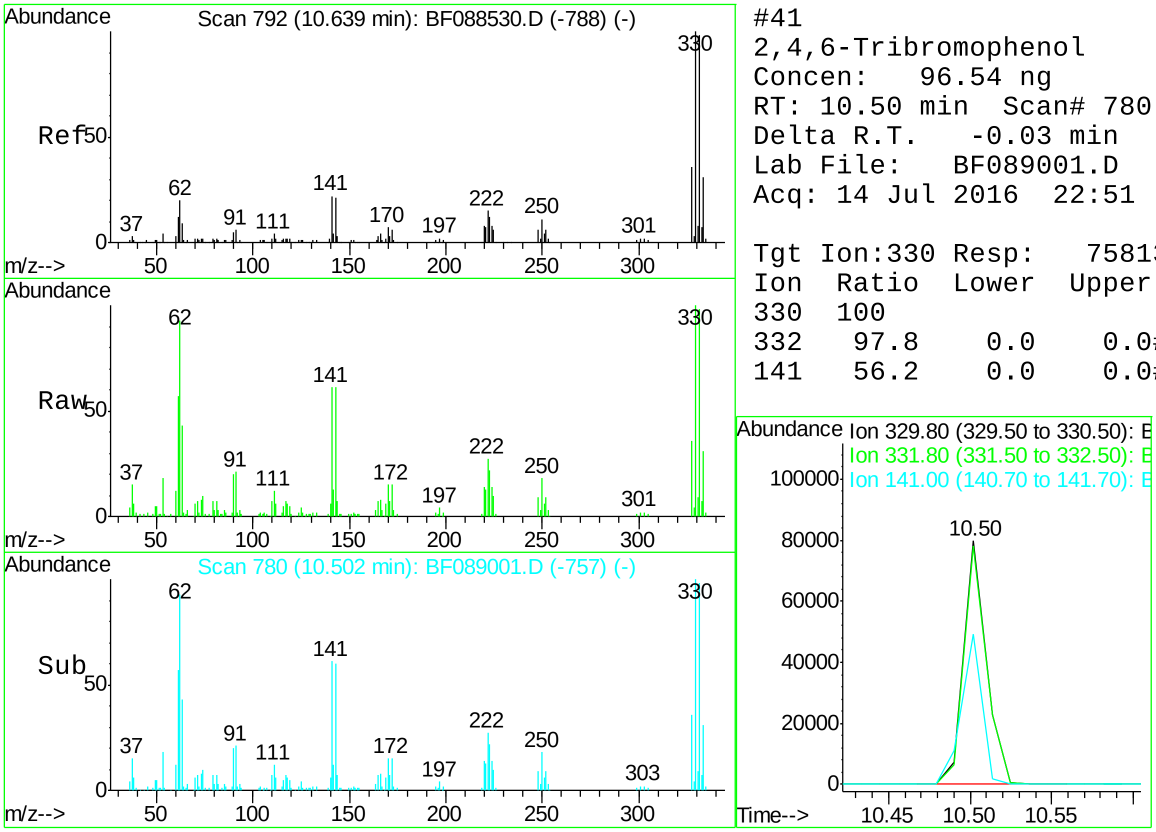




#38
Acenaphthene-d10
Concen:   20.00 ng
RT: 9.71 min   Scan# 711
Delta R.T.    -0.03 min
Lab File:    BF089001.D
Acq: 14 Jul 2016   22:51

Tgt Ion:164 Resp:    84572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.3 | 85.4 | 128.2 |
| 160 | 46.4 | 39.5 | 59.3 |



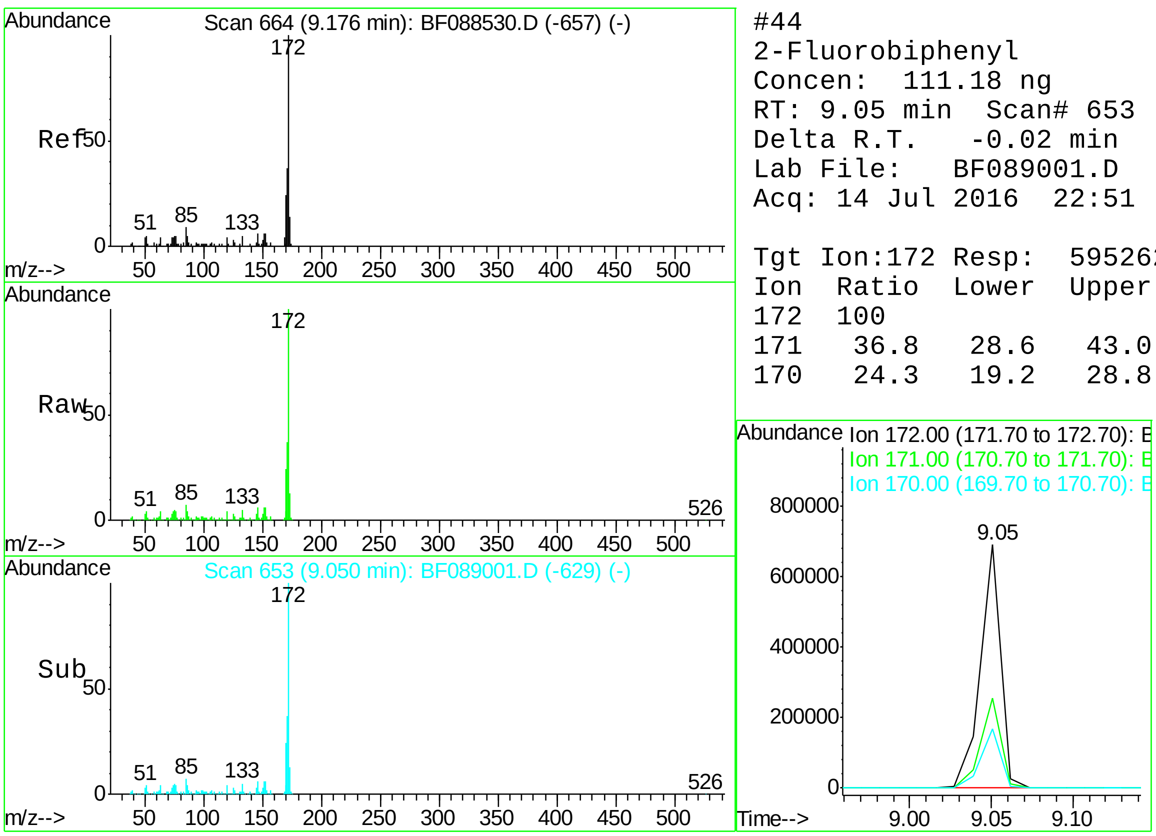


#41
2,4,6-Tribromophenol
Concen: 96.54 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:330 Resp: 75813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 0.0 | 0.0# |
| 141 | 56.2 | 0.0 | 0.0# |

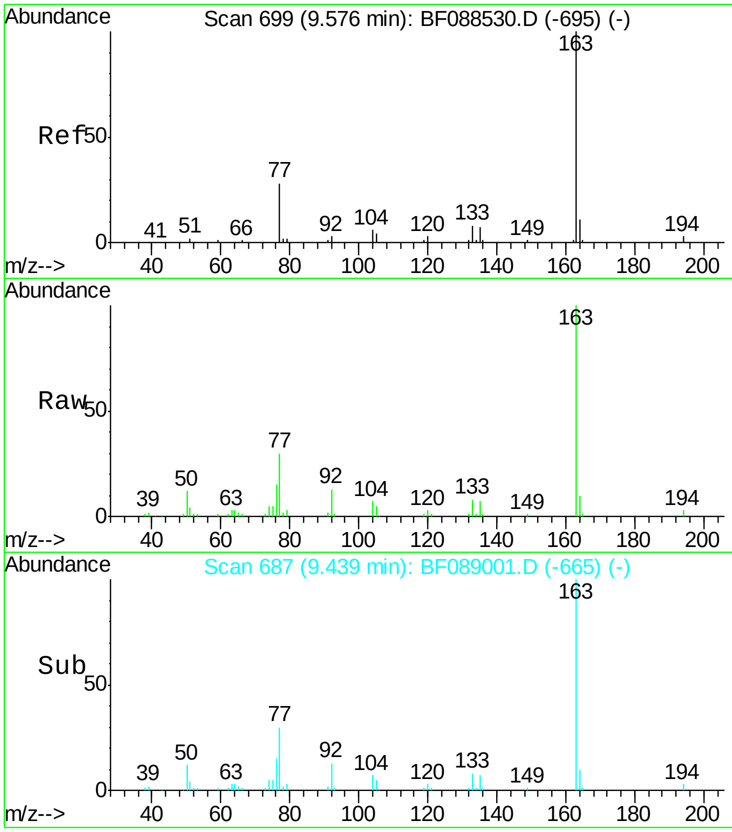
**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C



#44
2-Fluorobiphenyl
Concen: 111.18 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:172 Resp: 595262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 28.6 | 43.0 |
| 170 | 24.3 | 19.2 | 28.8 |

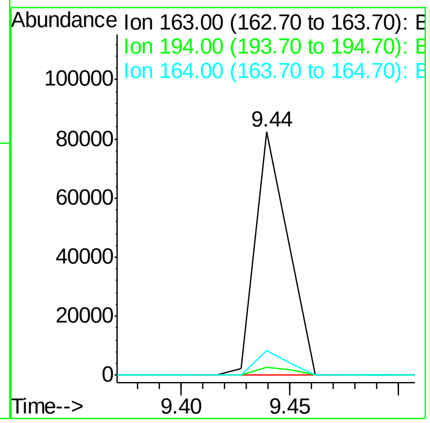


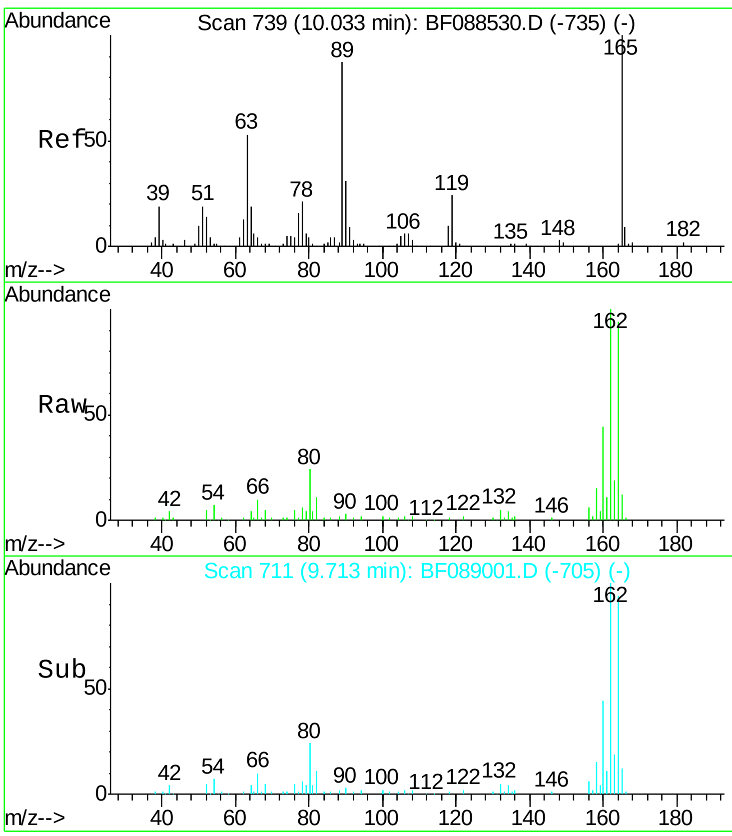

#49
Dimethylphthalate
Concen: 14.30 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:163 Resp: 86167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.8 | 4.2 |
| 164 | 10.3 | 8.3 | 12.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

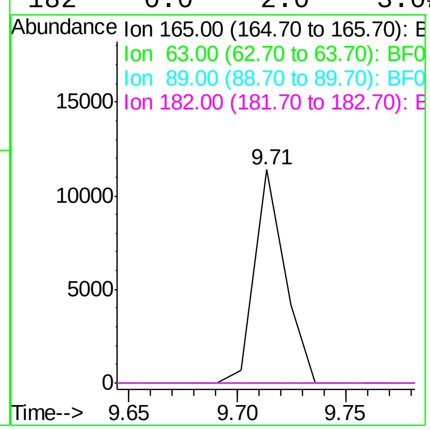


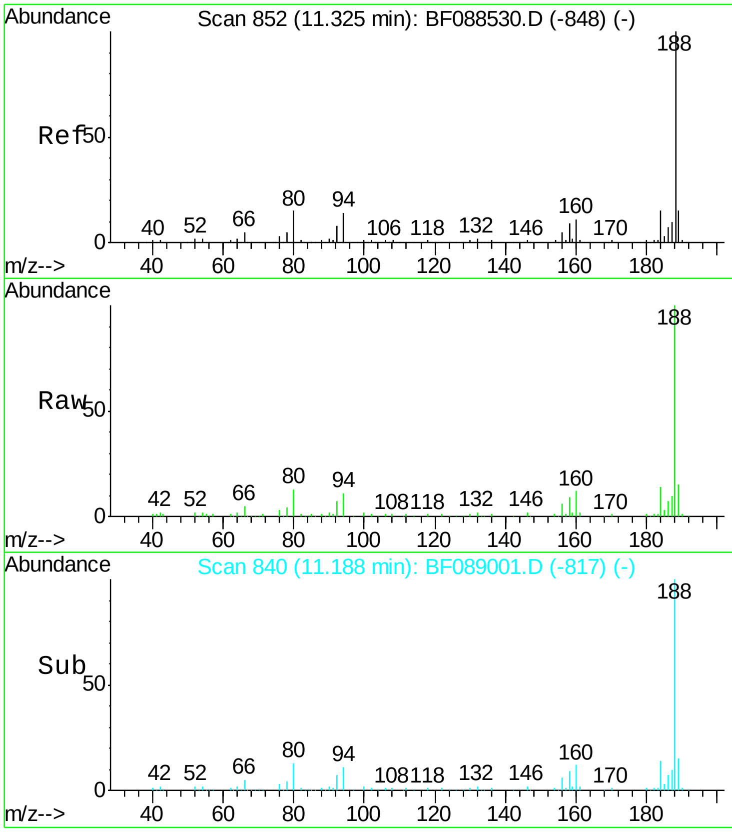




#56
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:165 Resp: 11127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 22.0 | 33.0# |
| 89 | 0.0 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |



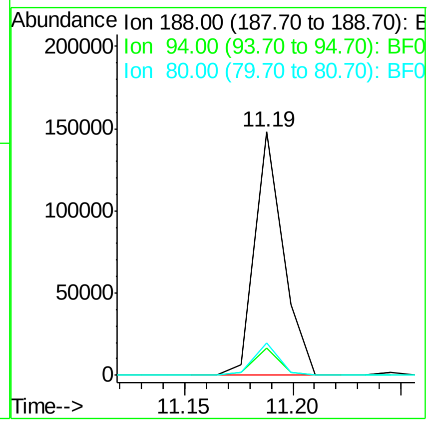


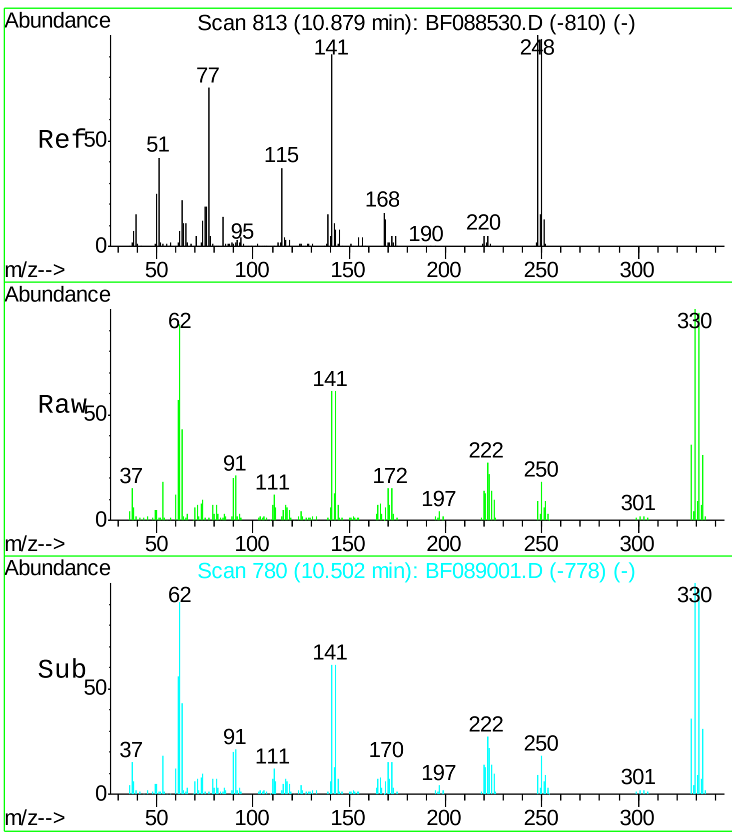

#63
Phenanthrene-d10
Concen:   20.00 ng
RT: 11.19 min   Scan# 840
Delta R.T.   -0.03 min
Lab File:   BF089001.D
Acq: 14 Jul 2016   22:51

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Tgt Ion:188 Resp:   135877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.4 | 9.0 | 13.6 |
| 80 | 13.1 | 10.0 | 15.0 |

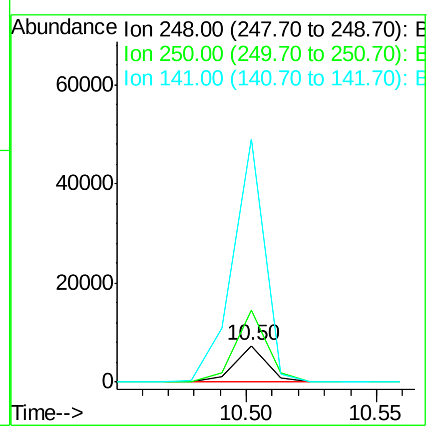


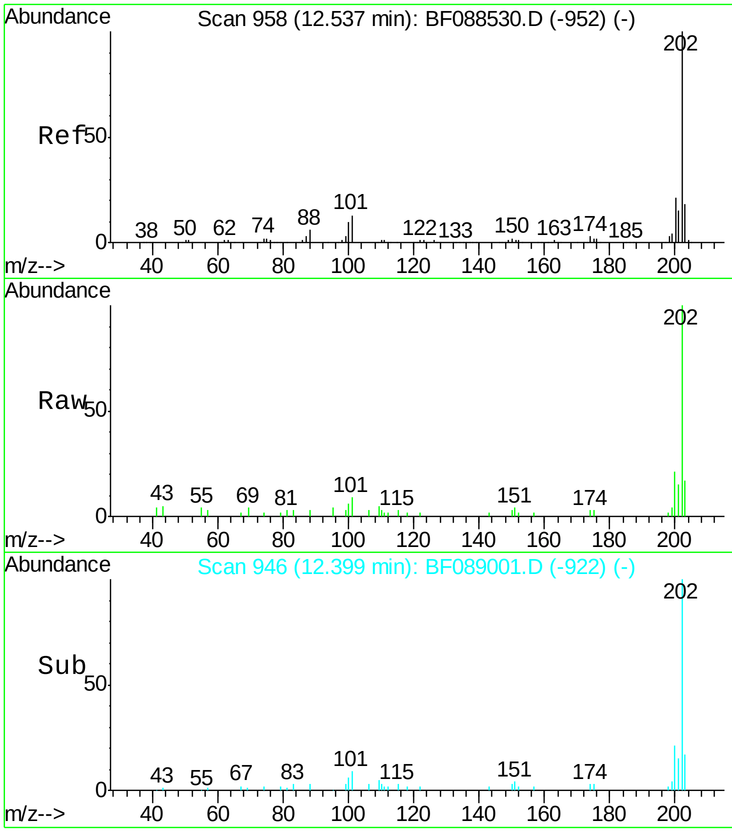




#66
4-Bromophenyl-phenylether
Concen:    4.64 ng
RT: 10.50 min   Scan# 780
Delta R.T.   -0.27 min
Lab File:   BF089001.D
Acq: 14 Jul 2016   22:51

Tgt Ion:248 Resp:    6352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.0 | 77.1 | 115.7# |
| 141 | 663.7 | 50.6 | 76.0# |



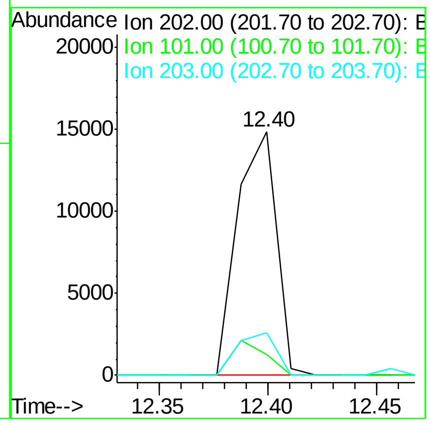


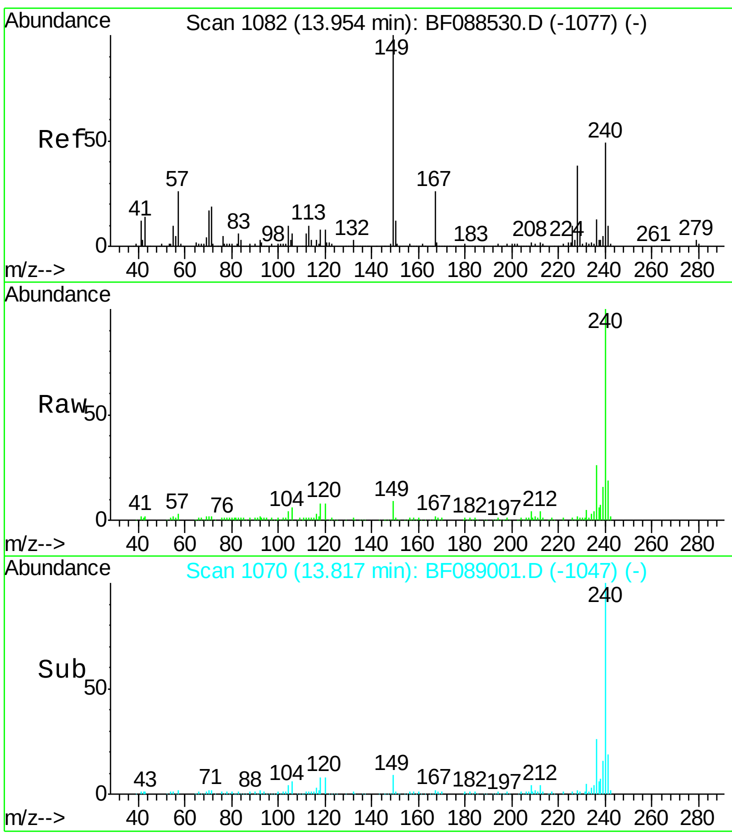

#74
Fluoranthene
Concen: 2.45 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

Tgt Ion:202 Resp: 18480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.8 | 0.0 | 33.1 |
| 203 | 17.4 | 0.0 | 38.1 |

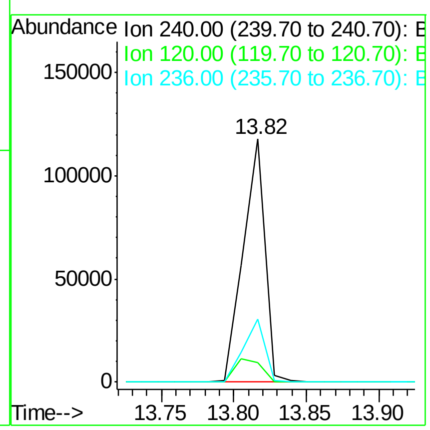


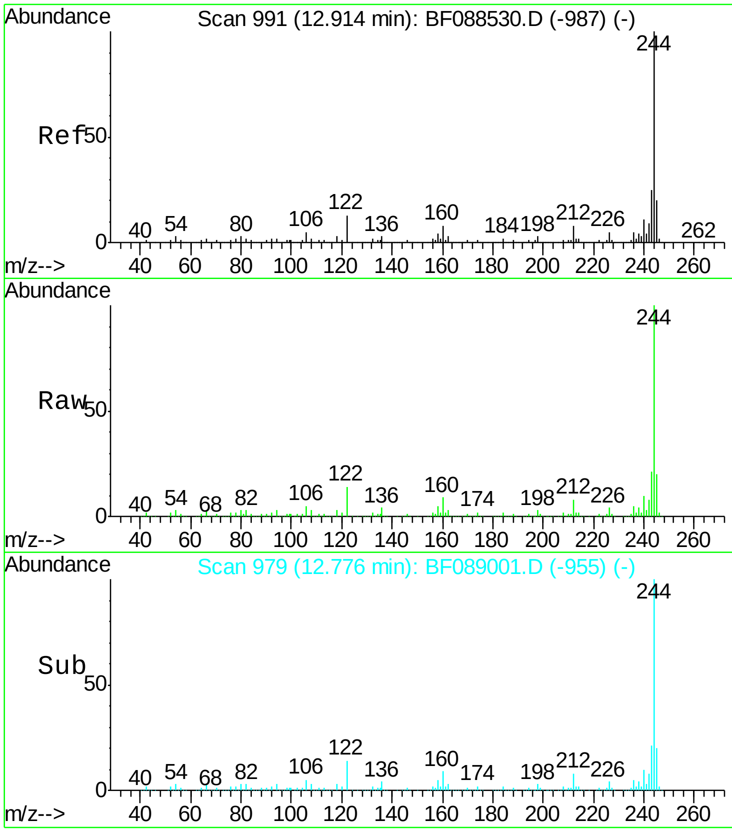

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:240 Resp: 123141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.2 | 6.8 | 10.2 |
| 236 | 25.8 | 20.2 | 30.2 |



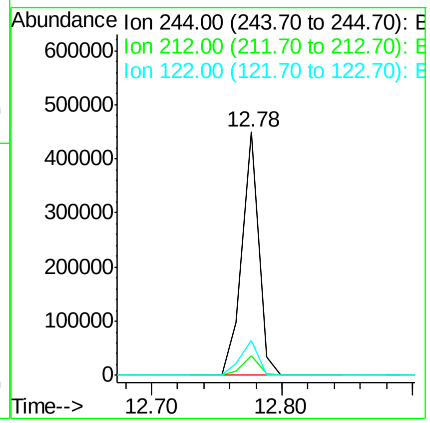
**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

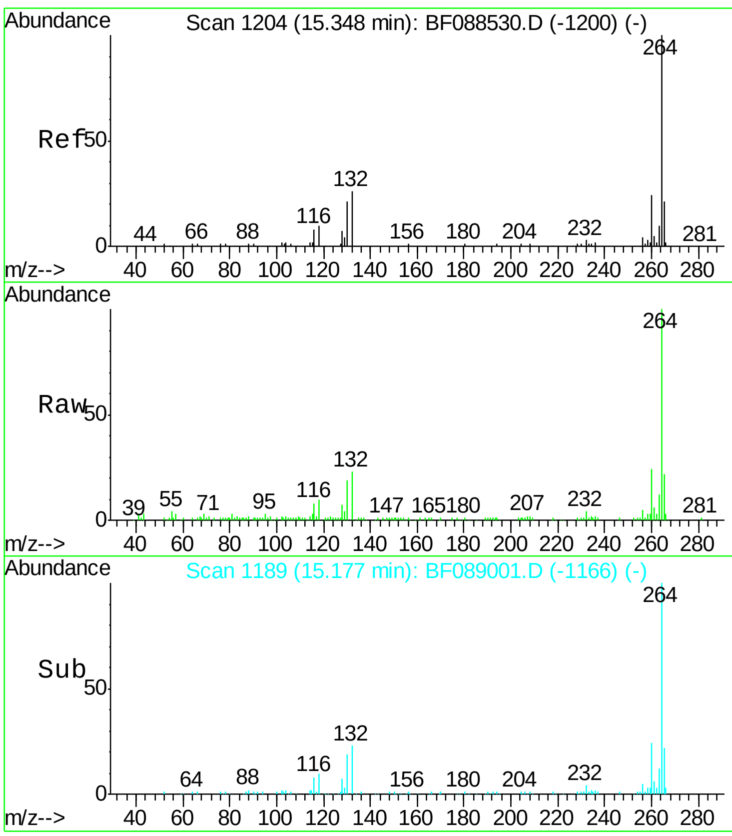



#78
Terphenyl-d14
Concen: 72.45 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:244 Resp: 400535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.0 | 9.0 |
| 122 | 14.2 | 11.2 | 16.8 |

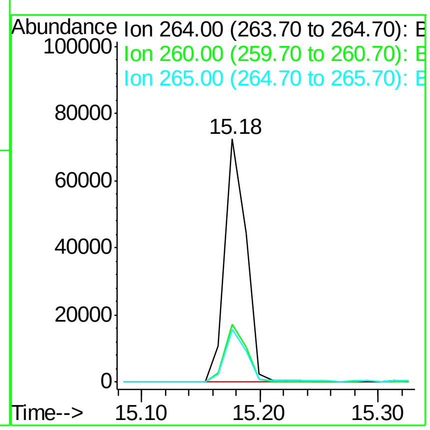


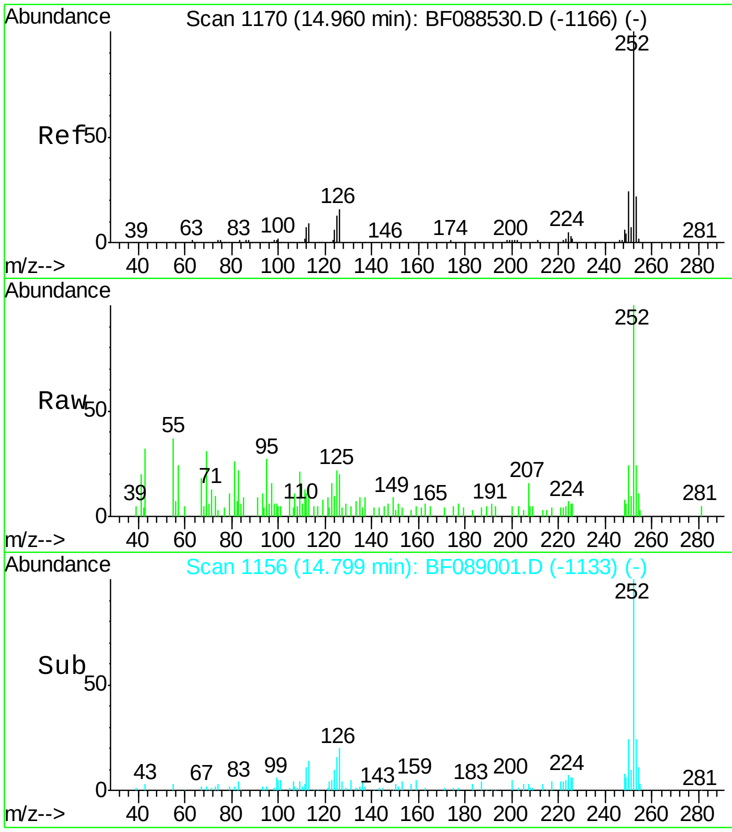

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089001.D
Acq: 14 Jul 2016 22:51

Tgt Ion:264 Resp: 90479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.9 | 16.9 | 25.3 |



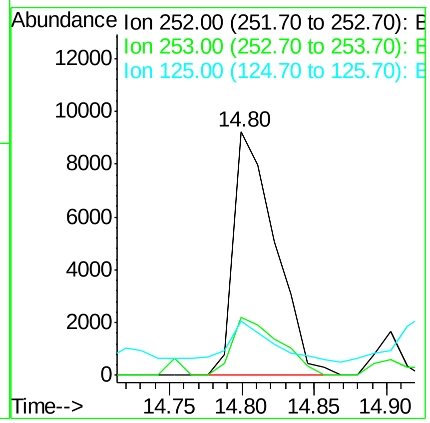
**Instrument :**
BNA_F
**ClientSampleId :**
C8-B2(0-5)C

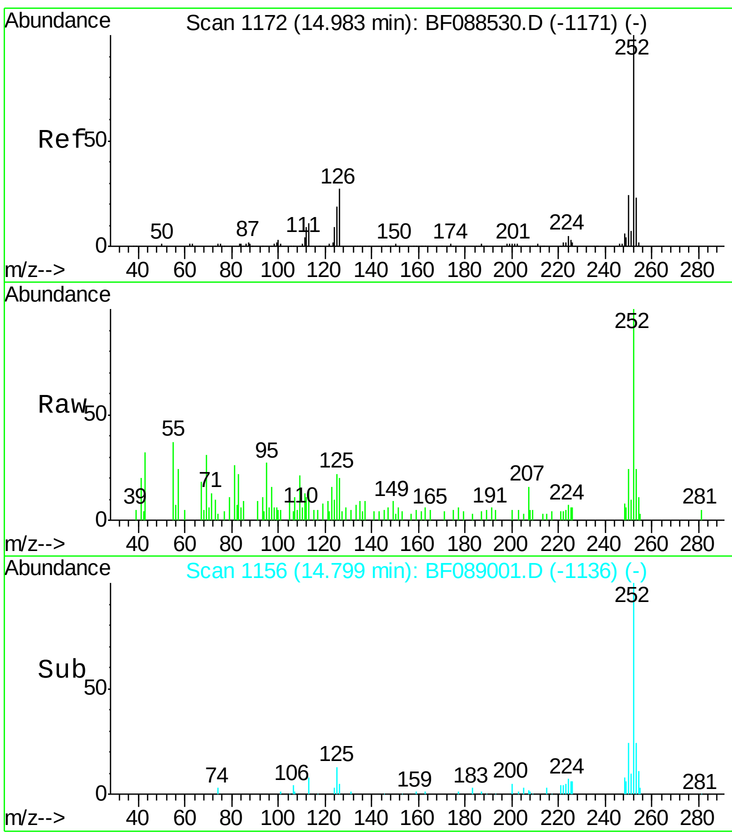



#87
Benzo(b)fluoranthene
Concen:    3.25 ng
RT: 14.80 min   Scan# 1156
Delta R.T.    -0.03 min
Lab File:    BF089001.D
Acq: 14 Jul 2016   22:51

Tgt Ion:252 Resp:    18426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 17.4 | 26.2 |
| 125 | 22.3 | 7.1 | 10.7# |




#88
Benzo(k)fluoranthene
Concen:    3.73 ng
RT: 14.80 min   Scan# 1156
Delta R.T.    -0.07 min
Lab File:    BF089001.D
Acq: 14 Jul 2016   22:51

Tgt Ion:252 Resp:    18426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 18.0 | 27.0 |
| 125 | 22.3 | 11.2 | 16.8# |