Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085780.D
Acq On : 26 Mar 2016 00:07
Operator : UM/SJ
Sample : H1834-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 1

Quant Time: Mar 25 23:50:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 109446 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 378011 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 156509 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 228039 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 221817 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.40 | 264 | 181811 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 712938 | 108.49 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 813915 | 97.41 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 550688 | 82.04 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 154160 | 103.67 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.19 | 172 | 838971 | 89.56 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 539793 | 50.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.60 | 77 | 17824 | 3.54 | ng | | 83 |
| 15) Benzyl Alcohol | 6.98 | 79 | 11495 | 2.06 | ng | # | 40 |
| 35) Caprolactam | 8.54 | 113 | 19534 | 10.84 | ng | # | 71 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 42374 | 2.10 | ng | | 98 |
| 49) Dimethylphthalate | 9.58 | 163 | 72280 | 6.09 | ng | # | 98 |
| 53) 2,4-Dinitrophenol | 10.15 | 184 | 839 | 6.64 | ng | # | 48 |
| 55) 4-Nitrophenol | 9.97 | 139 | 5188 | 2.72 | ng | # | 28 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 29817 | 4.13 | ng | # | 51 |
| 66) 4-Bromophenyl-phenylether | 10.65 | 248 | 10316 | 4.42 | ng | # | 1 |
| 70) Phenanthrene | 11.37 | 178 | 27769 | 2.37 | ng | # | 92 |
| 71) Anthracene | 11.37 | 178 | 27769 | 2.26 | ng | # | 92 |

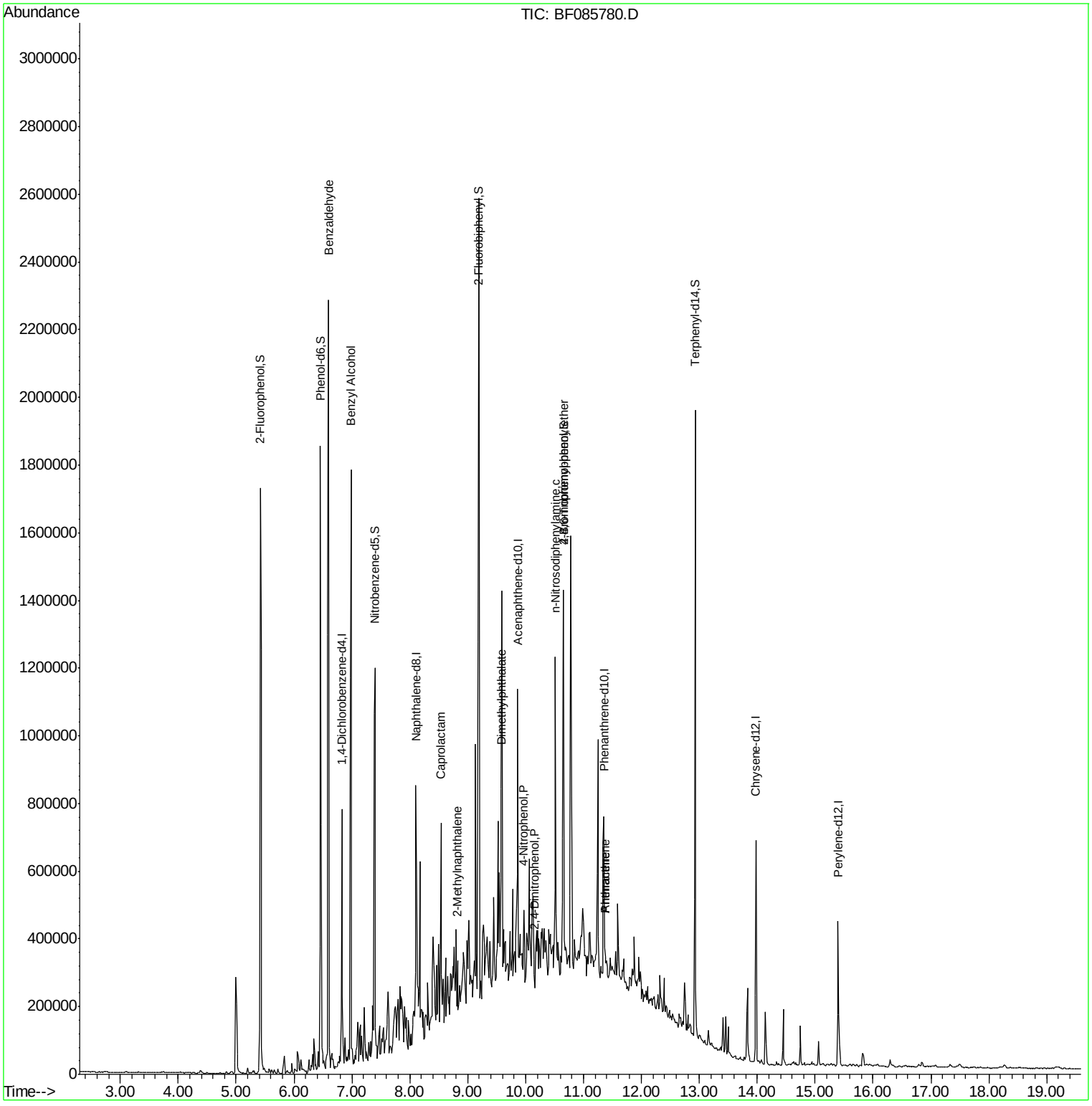
(#) = qualifier out of range (m) = manual integration (+) = signals summed

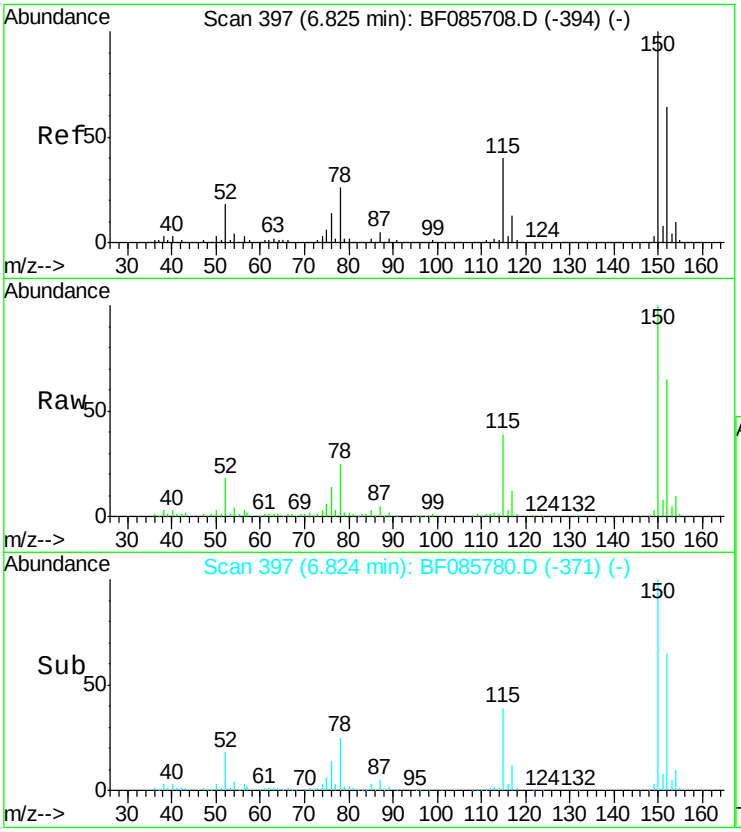
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085780.D
Acq On : 26 Mar 2016 00:07
Operator : UM/SJ
Sample : H1834-11
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
1

Quant Time: Mar 25 23:50:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration



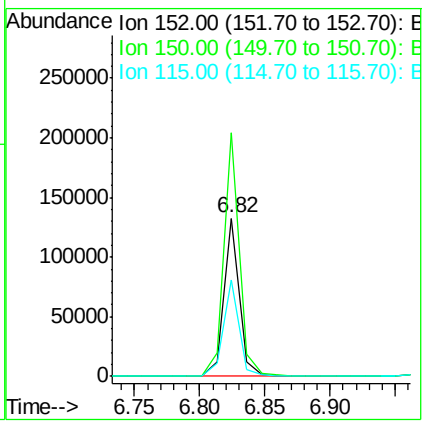


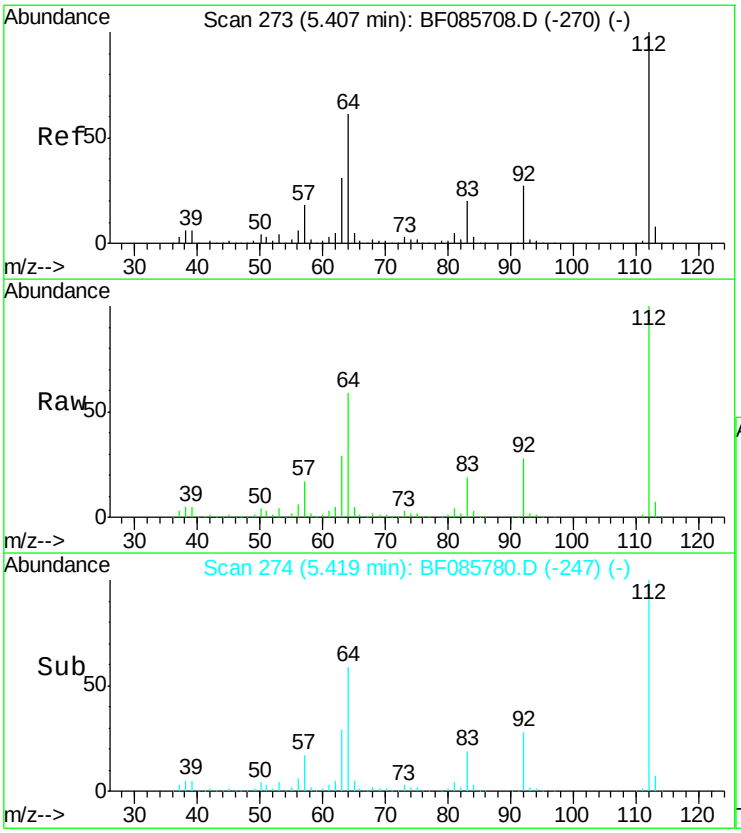

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:152 Resp: 109446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.0 | 124.2 | 186.2 |
| 115 | 60.8 | 47.0 | 70.6 |

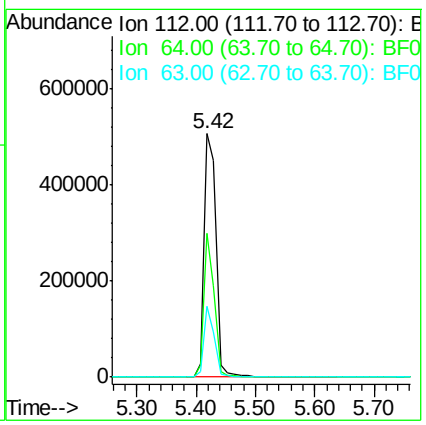


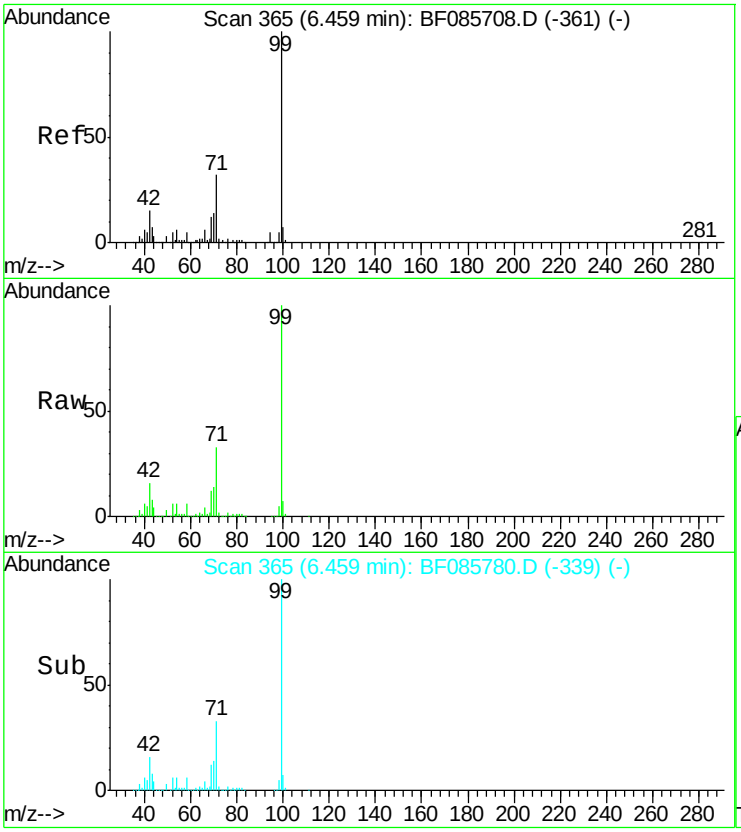




#5
2-Fluorophenol
Concen: 108.49 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:112 Resp: 712938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.1 | 39.9 | 59.9 |
| 63 | 29.3 | 20.2 | 30.2 |



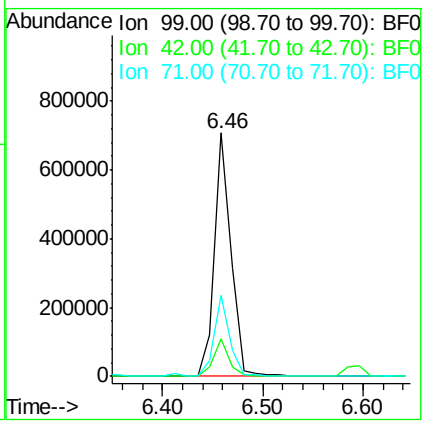


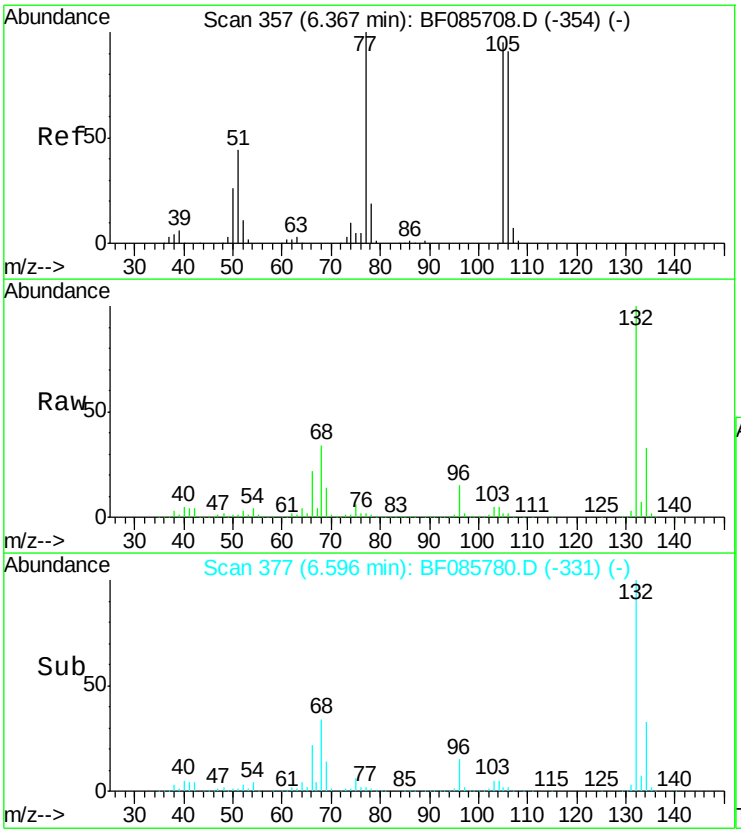

#7
Phenol-d6
Concen:  97.41 ng
RT: 6.46 min  Scan# 365
Delta R.T.  -0.00 min
Lab File:  BF085780.D
Acq: 26 Mar 2016  00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 99 Resp:  813915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.6 | 11.1 | 16.7 |
| 71 | 33.4 | 24.9 | 37.3 |

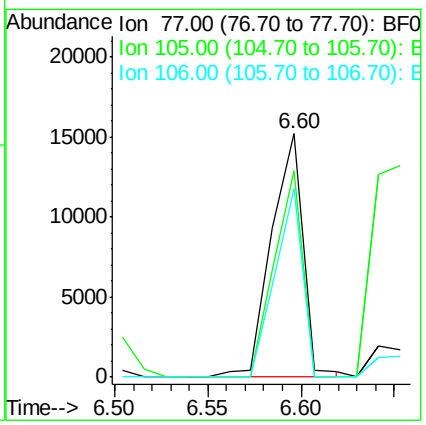


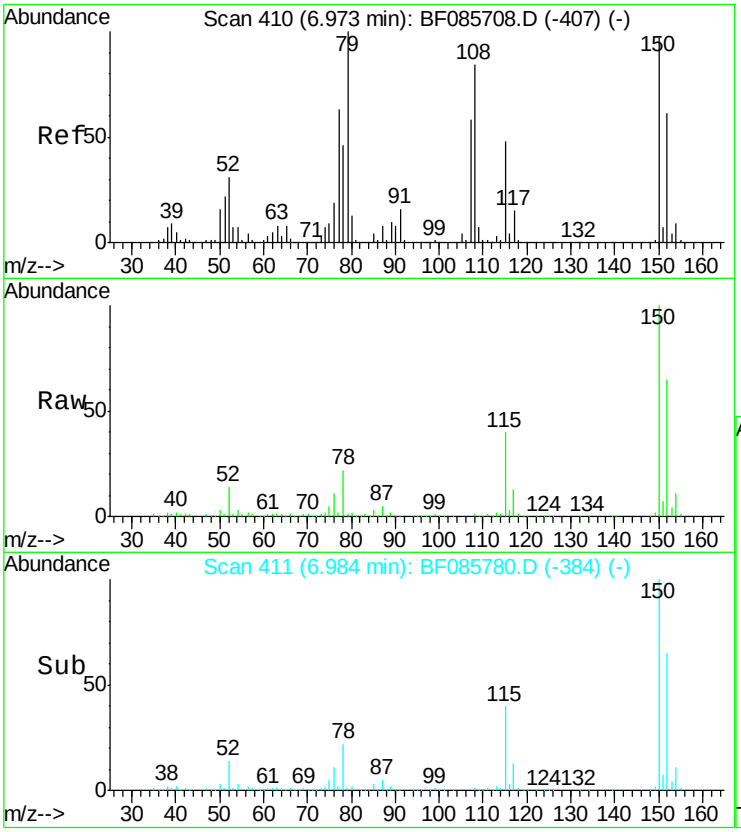




#9
Benzaldehyde
Concen:  3.54 ng
RT: 6.60 min  Scan# 377
Delta R.T.  0.23 min
Lab File:  BF085780.D
Acq: 26 Mar 2016  00:07

Tgt Ion: 77 Resp:  17824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 84.8 | 80.1 | 120.1 |
| 106 | 77.6 | 75.0 | 115.0 |



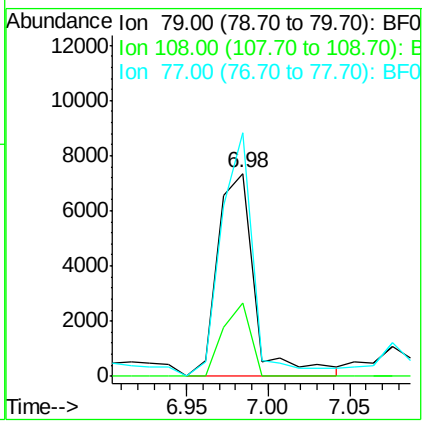


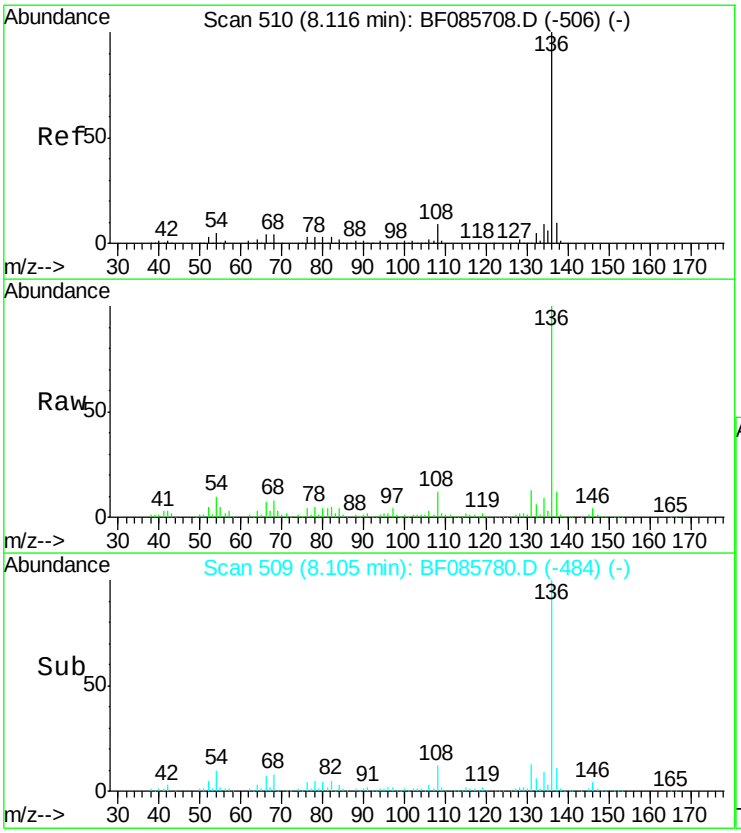

#15
Benzyl Alcohol
Concen: 2.06 ng
RT: 6.98 min Scan# 411
Delta R.T. 0.01 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 79 Resp: 11495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 36.0 | 61.8 | 92.6# |
| 77 | 120.1 | 49.6 | 74.4# |

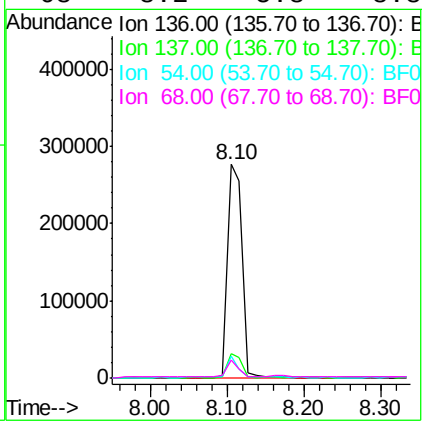


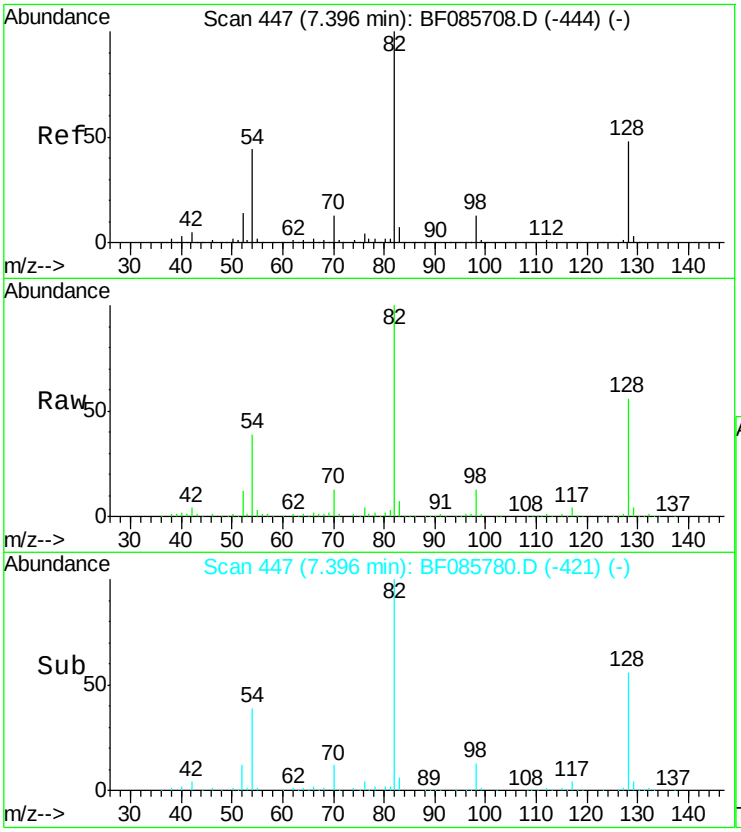




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:136 Resp: 378011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.1 | 13.7 |
| 54 | 10.0 | 7.4 | 11.0 |
| 68 | 8.2 | 5.8 | 8.8 |



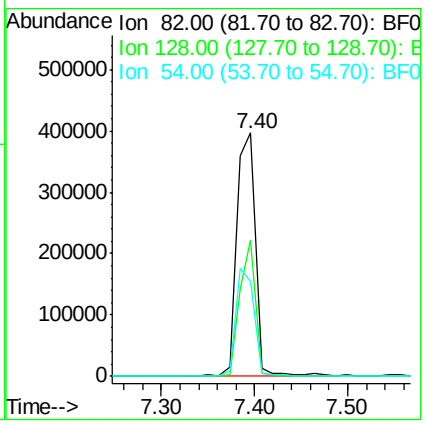


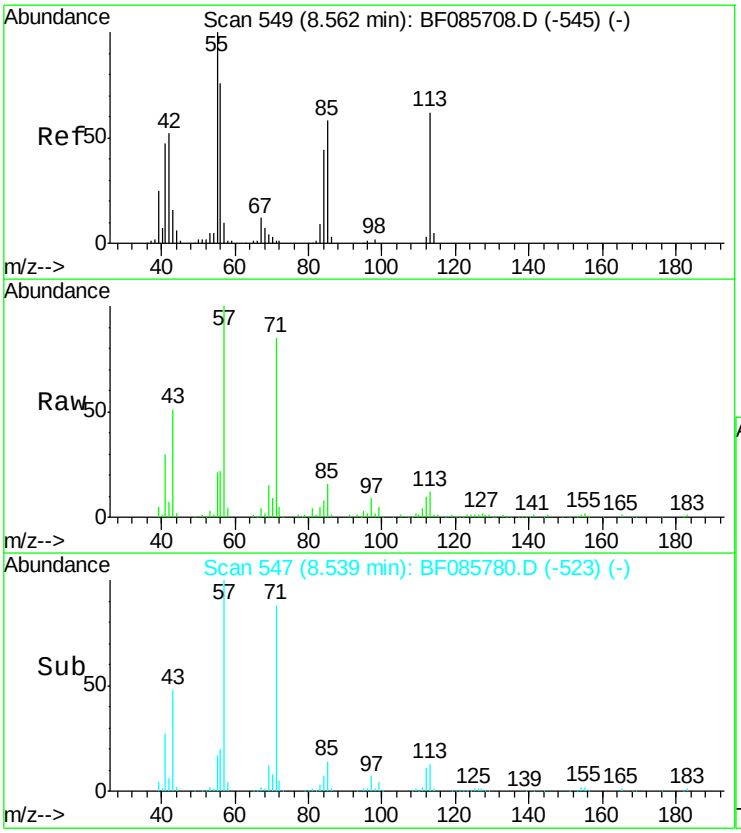

#23
Nitrobenzene-d5
Concen: 82.04 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion: 82 Resp: 550688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 55.8 | 41.8 | 62.8 |
| 54 | 38.9 | 33.4 | 50.0 |

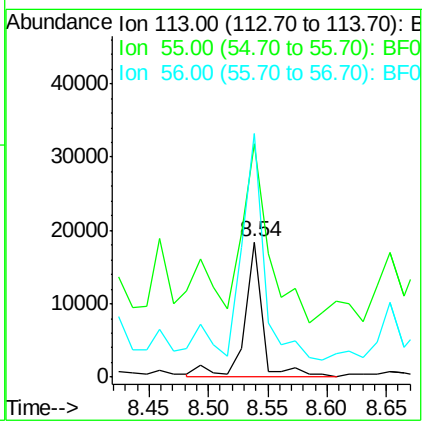


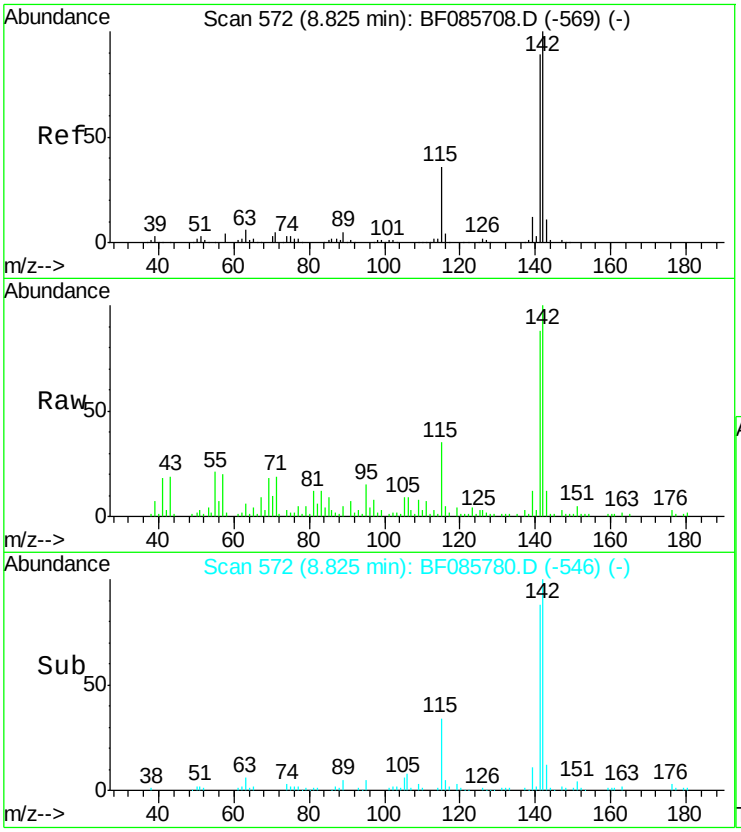




#35
Caprolactam
Concen: 10.84 ng
RT: 8.54 min Scan# 547
Delta R.T. -0.02 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:113 Resp: 19534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.7 | 139.4 | 179.4 |
| 56 | 180.5 | 100.4 | 140.4# |



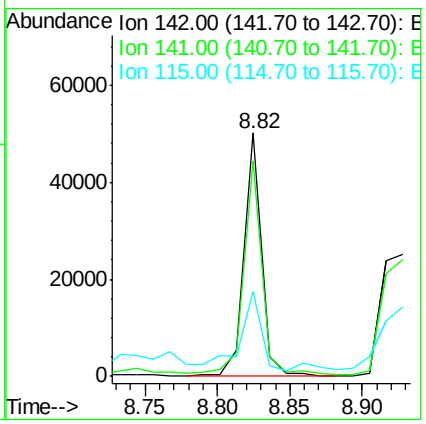


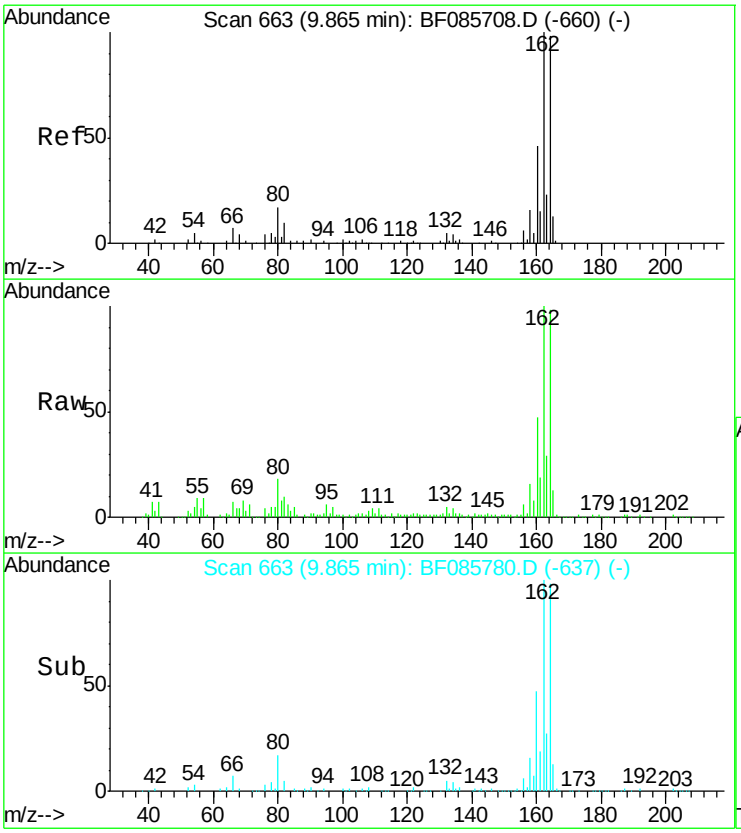

#37
2-Methylnaphthalene
Concen: 2.10 ng
RT: 8.82 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:142 Resp: 42374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.6 | 107.4 |
| 115 | 34.7 | 26.8 | 40.2 |

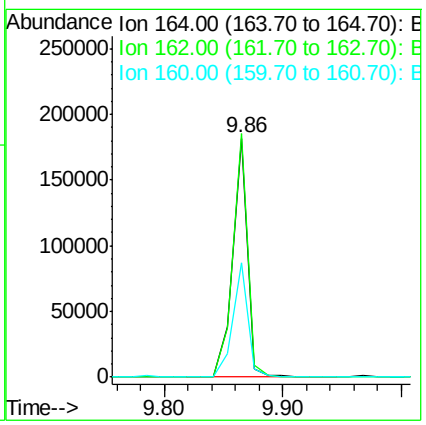


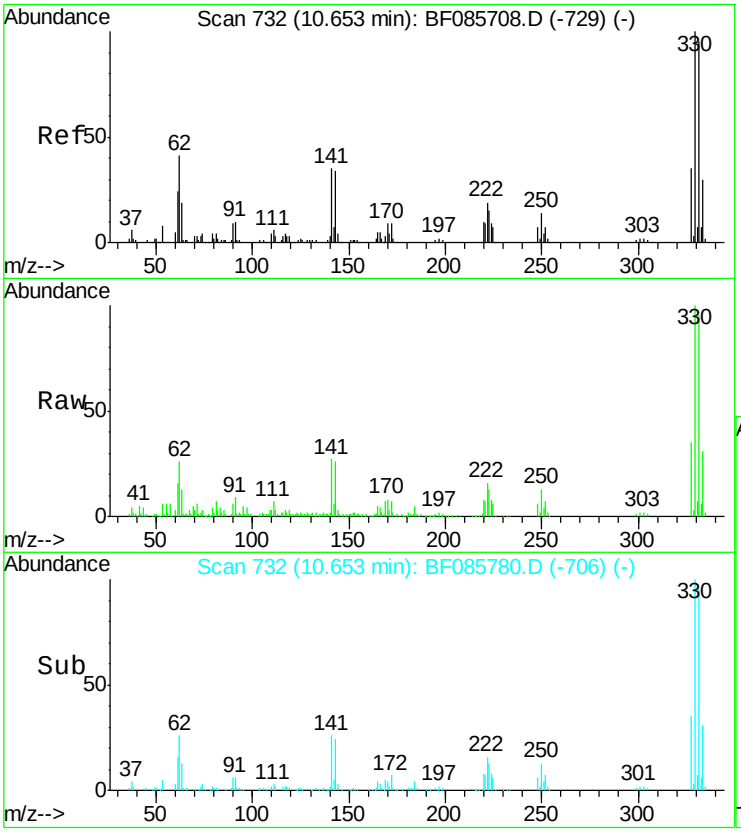




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:164 Resp: 156509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 82.1 | 123.1 |
| 160 | 47.8 | 37.4 | 56.2 |



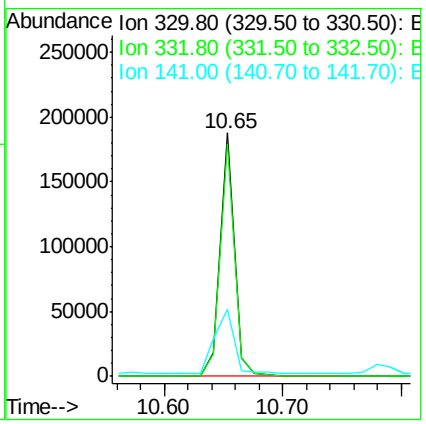


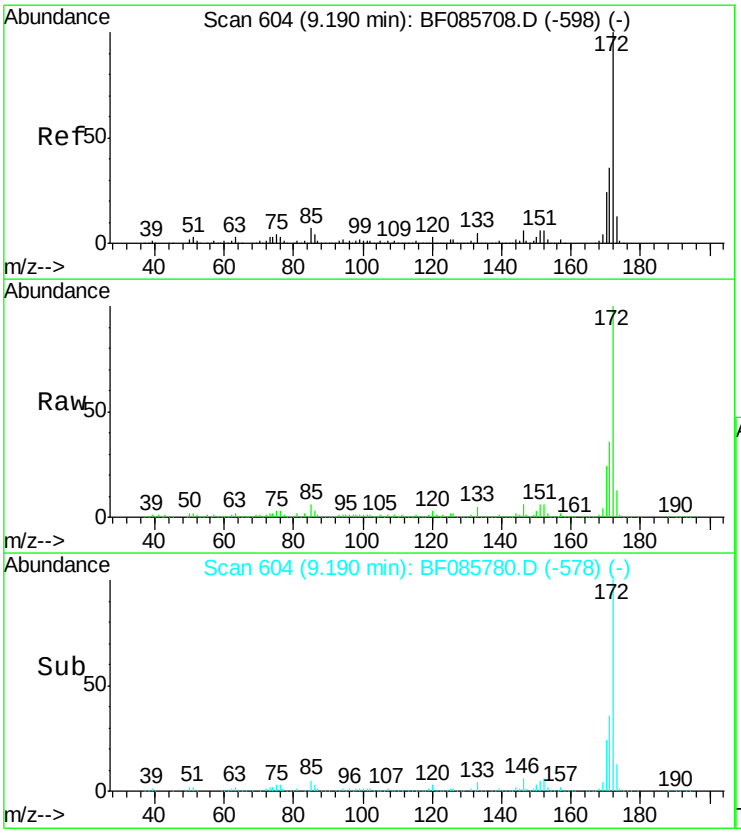

#41
2,4,6-Tribromophenol
Concen: 103.67 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:330 Resp: 154160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 78.2 | 117.2 |
| 141 | 37.9 | 31.5 | 47.3 |

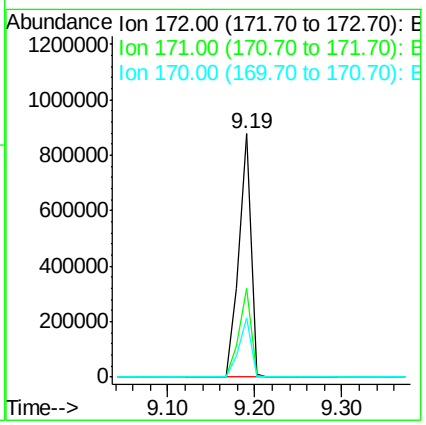


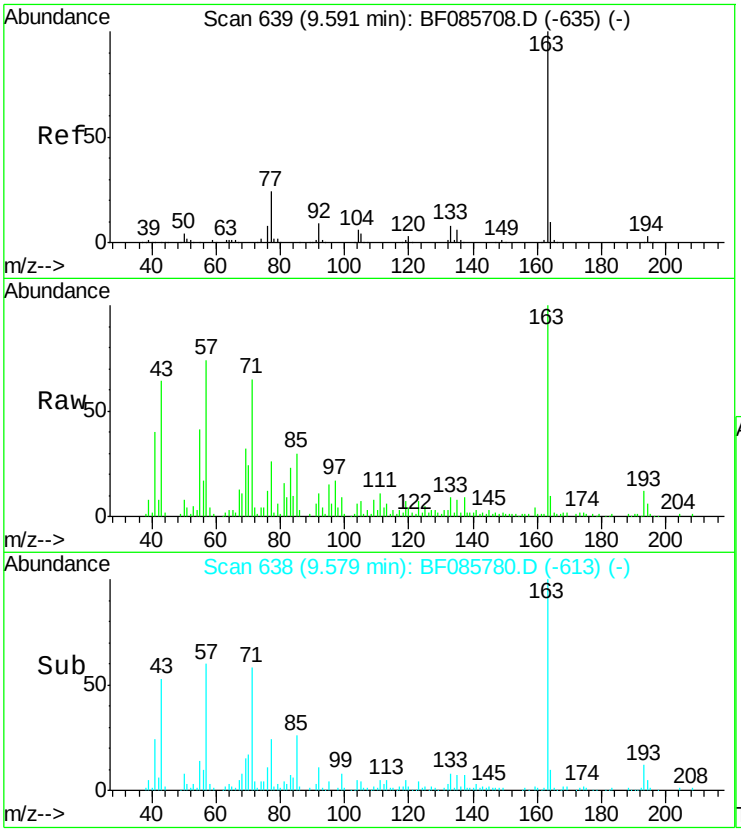




#44
2-Fluorobiphenyl
Concen: 89.56 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:172 Resp: 838971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.4 | 44.2 |
| 170 | 24.3 | 19.8 | 29.6 |



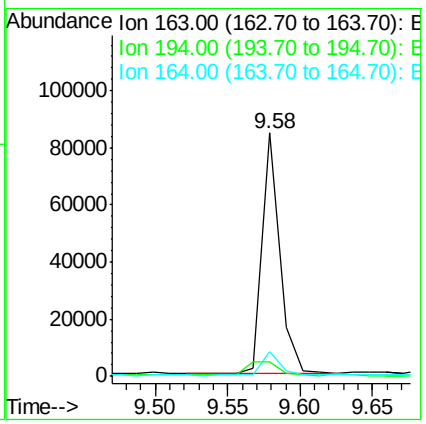


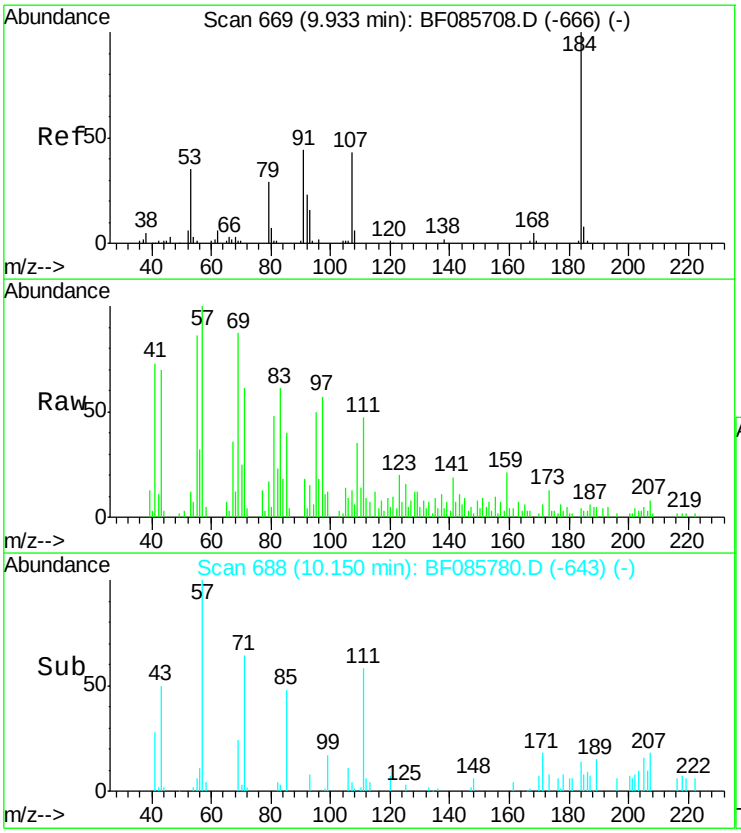

#49
Dimethylphthalate
Concen: 6.09 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:163 Resp: 72280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.9 | 2.9 | 4.3# |
| 164 | 10.4 | 8.3 | 12.5 |

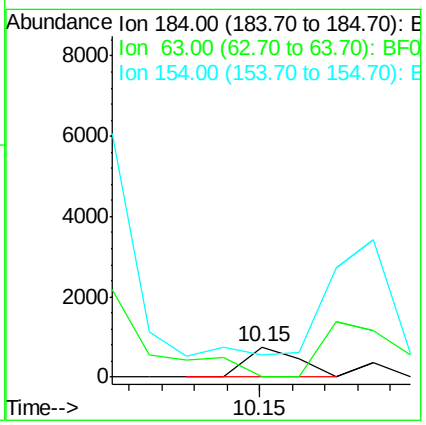


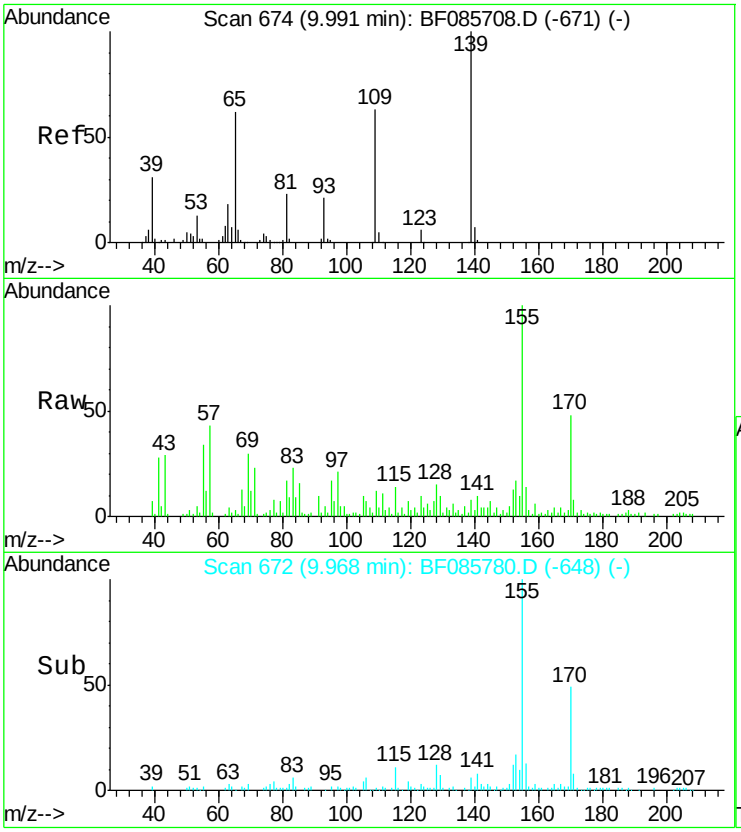




#53
2,4-Dinitrophenol
Concen: 6.64 ng
RT: 10.15 min Scan# 688
Delta R.T. 0.22 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:184 Resp: 839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 69.5 | 104.3# |
| 154 | 75.0 | 58.3 | 87.5 |



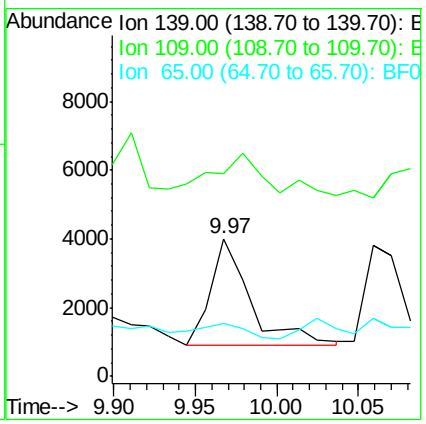


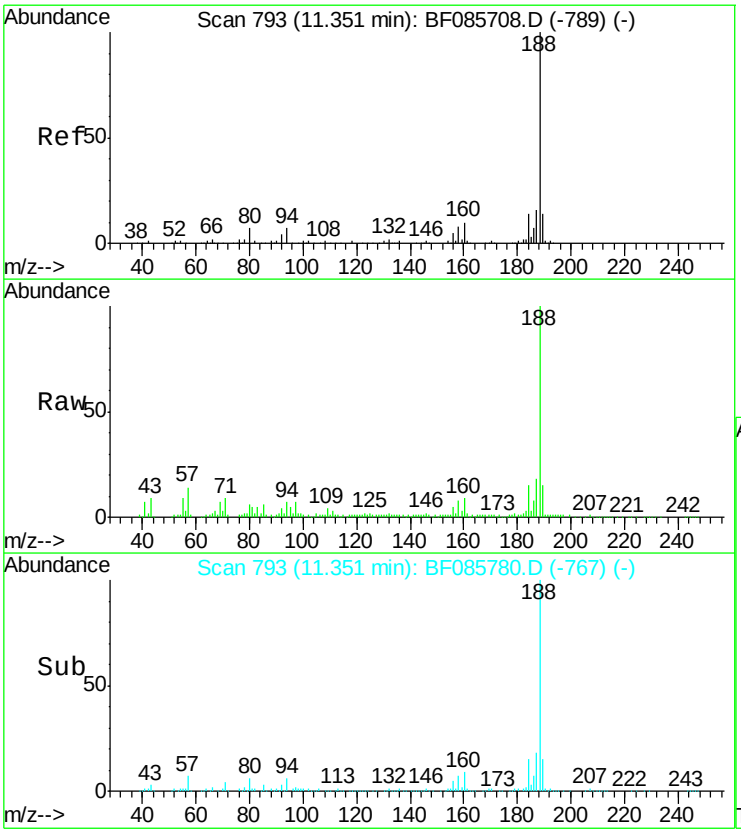

#55
4-Nitrophenol
Concen: 2.72 ng
RT: 9.97 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:139 Resp: 5188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 146.6 | 49.2 | 89.2# |
| 65 | 37.9 | 66.9 | 106.9# |

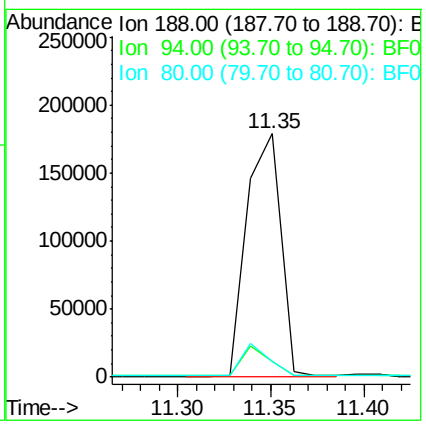


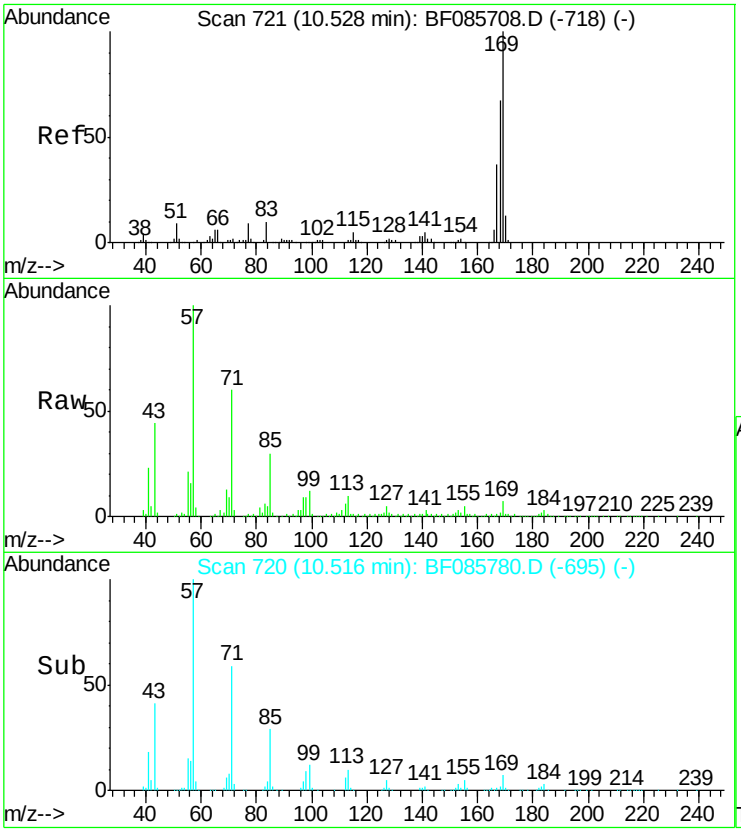




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:188 Resp: 228039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.7 | 5.4 | 8.0 |
| 80 | 6.4 | 5.5 | 8.3 |



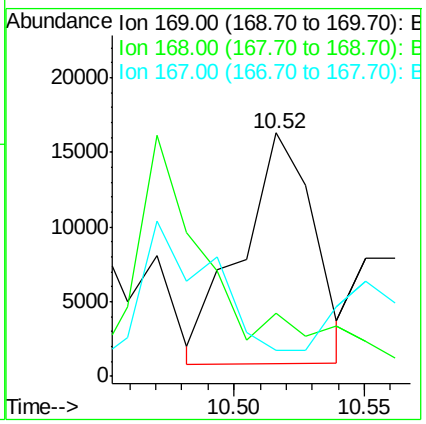


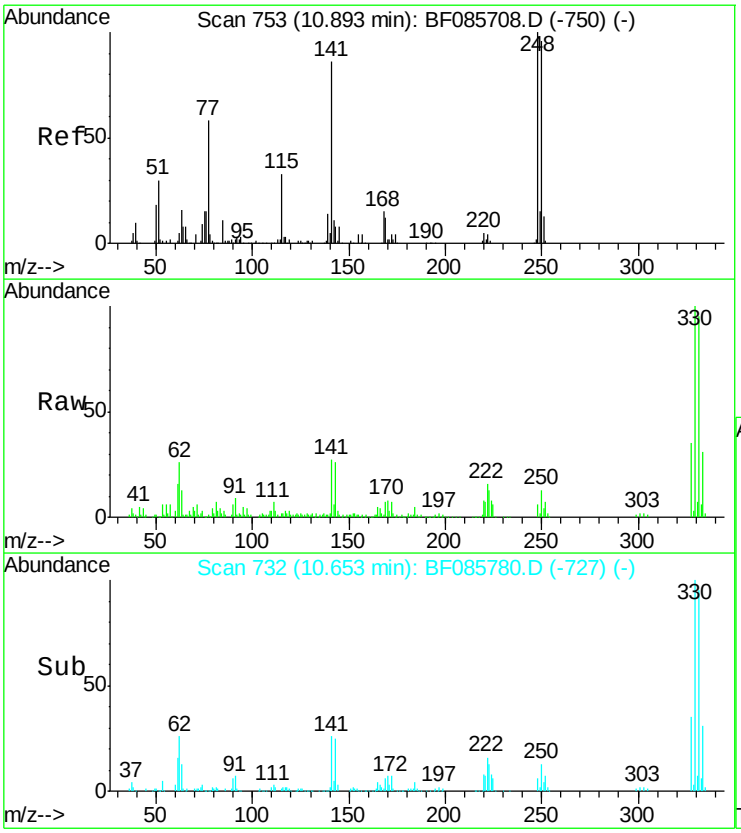

#65
n-Nitrosodiphenylamine
Concen: 4.13 ng
RT: 10.52 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:169 Resp: 29817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 25.8 | 54.4 | 81.6# |
| 167 | 10.7 | 29.4 | 44.0# |

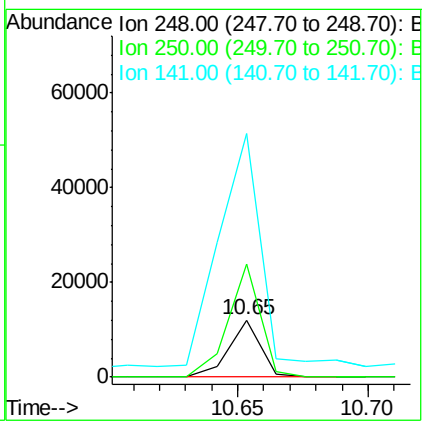


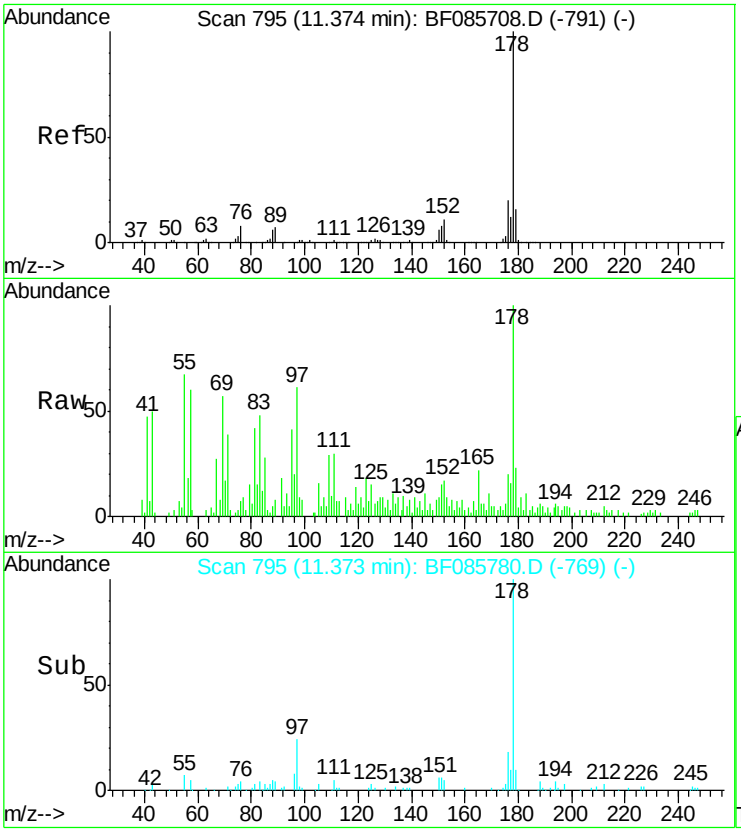




#66
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.24 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:248 Resp: 10316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.6 | 77.4 | 116.0# |
| 141 | 426.6 | 63.6 | 95.4# |



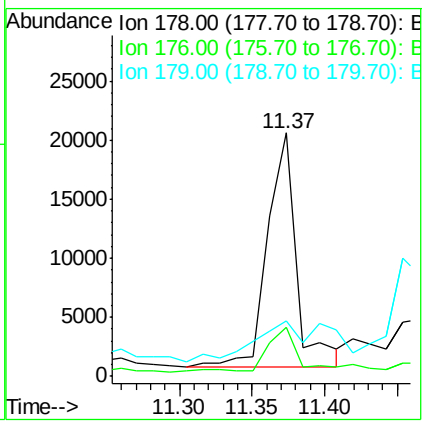


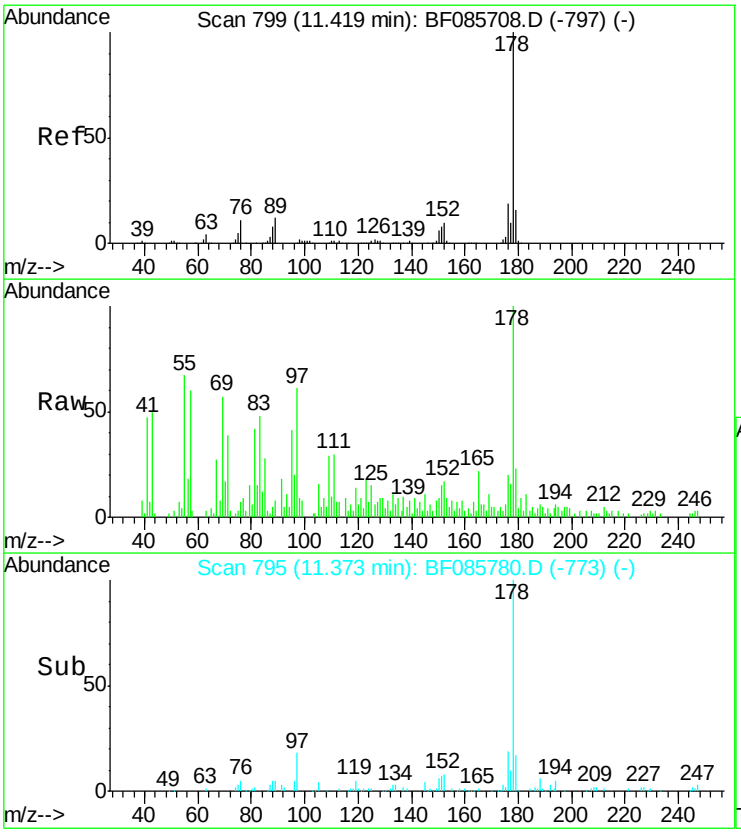

#70
Phenanthrene
Concen: 2.37 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:178 Resp: 27769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 16.3 | 24.5 |
| 179 | 23.0 | 12.6 | 18.8# |

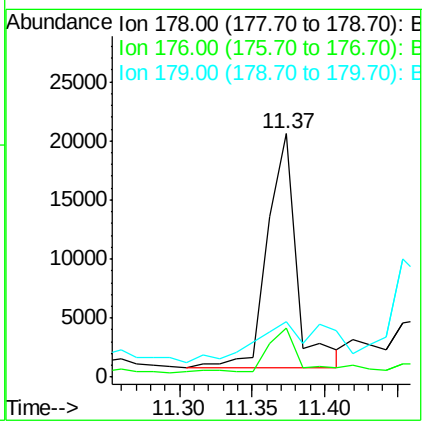


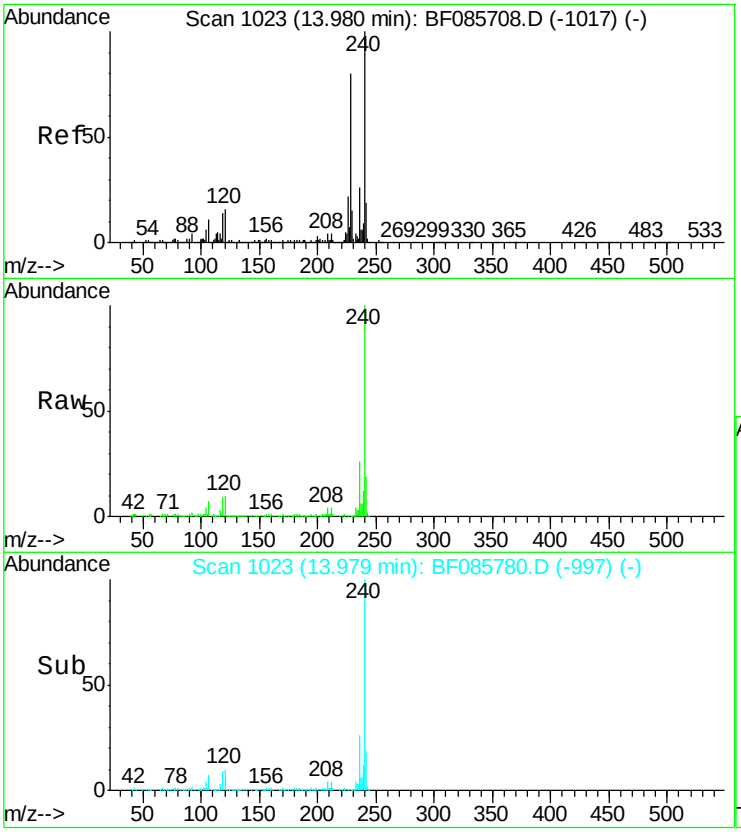




#71
Anthracene
Concen: 2.26 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.05 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:178 Resp: 27769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.9 | 23.9 |
| 179 | 23.0 | 13.0 | 19.4# |



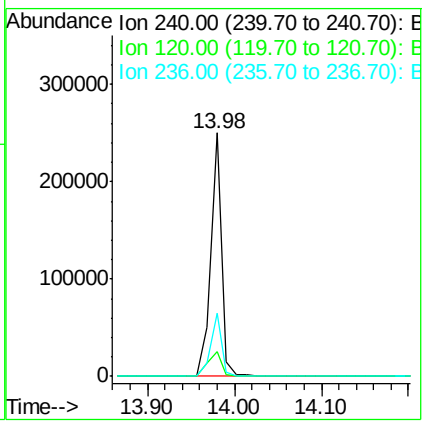


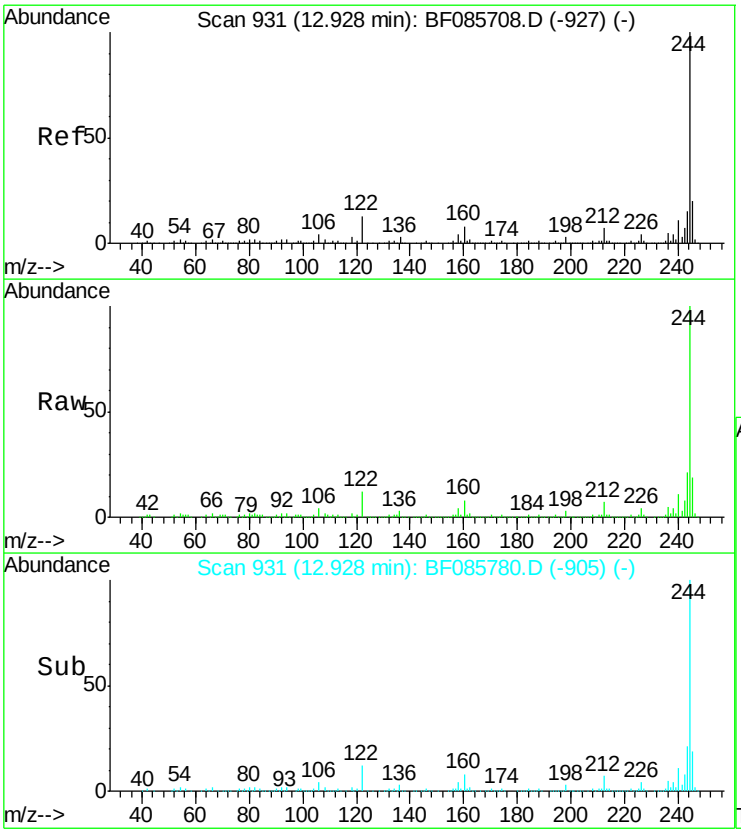

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:240 Resp: 221817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 13.8 | 20.8# |
| 236 | 25.8 | 20.6 | 30.8 |

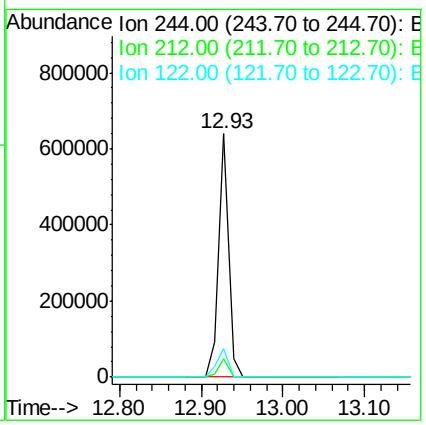


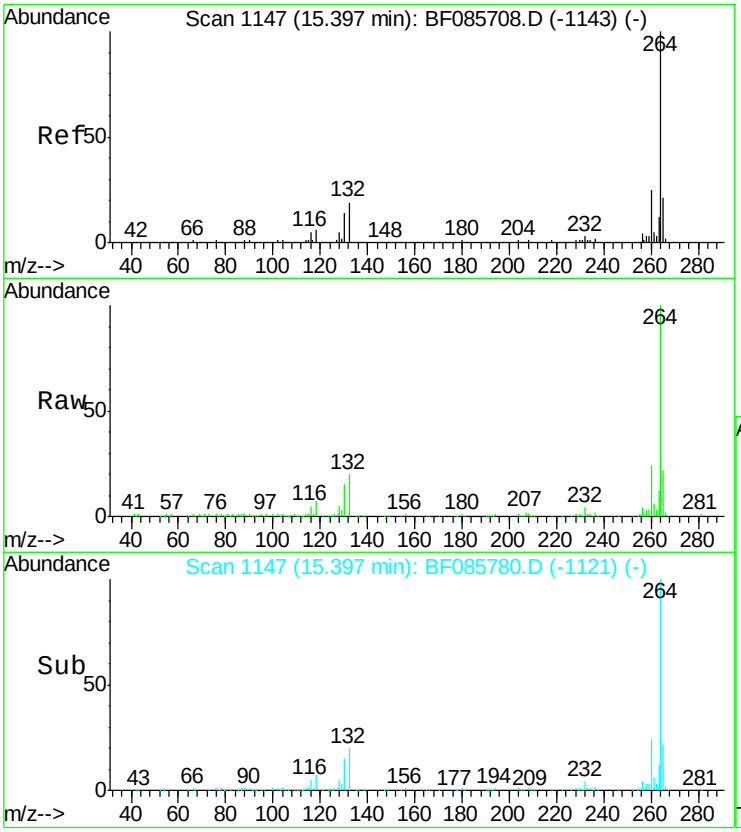




#78
Terphenyl-d14
Concen: 50.05 ng
RT: 12.93 min Scan# 931
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

Tgt Ion:244 Resp: 539793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.1 | 9.1 |
| 122 | 11.8 | 10.2 | 15.4 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085780.D
Acq: 26 Mar 2016 00:07

**Instrument :**
BNA_F
**ClientSampleId :**
1

Tgt Ion:264 Resp: 181811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.4 | 29.2 |
| 265 | 21.6 | 17.2 | 25.8 |