Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022015\
Data File : BF077388.D
Acq On : 20 Feb 2015 18:14
Operator : TP/IZ
Sample : G1233-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VMA4(9.5-10)RE

Quant Time: Feb 21 00:10:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 20 23:55:25 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.33 | 152 | 83606 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.91 | 136 | 328957 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.08 | 164 | 165178 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.95 | 188 | 289881 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 16.21 | 240 | 3491 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 18.17 | 264 | 118673 | 20.00 | ng | | 0.19 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 500285 | 99.90 | ng | | 0.00 |
| 7) Phenol-d6 | 6.88 | 99 | 626715 | 97.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.02 | 82 | 382539 | 72.31 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.08 | 330 | 163238 | 102.64 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 10.26 | 172 | 833074 | 78.64 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.97 | 244 | 290520 | 1945.50 | ng | | 0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.89 | 94 | 19645 | 2.57 | ng | | 86 |
| 15) Benzyl Alcohol | 7.52 | 79 | 10555 | 2.16 | ng | # | 49 |
| 49) Dimethylphthalate | 10.76 | 163 | 65315 | 5.63 | ng | # | 98 |
| 62) Azobenzene | 11.99 | 77 | 63576 | 5.85 | ng | # | 1 |
| 64) 4,6-Dinitro-2-methylphenol | 11.87 | 198 | 1373 | 4.81 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 11.93 | 169 | 47529 | 4.94 | ng | # | 80 |
| 68) Atrazine | 12.60 | 200 | 6553 | 2.10 | ng | # | 1 |
| 70) Phenanthrene | 12.97 | 178 | 56836 | 3.38 | ng | # | 37 |
| 76) Benzidine | 14.60 | 184 | 2184 | 18.52 | ng | # | 1 |
| 79) Butylbenzylphthalate | 15.55 | 149 | 9387 | 106.84 | ng | # | 32 |
| 80) Benzo(a)anthracene | 16.17 | 228 | 982 | 4.80 | ng | # | 1 |
| 81) 3,3'-Dichlorobenzidine | 16.21 | 252 | 4820 | 64.29 | ng | # | 1 |
| 83) Bis(2-ethylhexyl)phthalate | 16.31 | 149 | 21744 | 154.34 | ng | # | 29 |
| 84) Di-n-octyl phthalate | 17.08 | 149 | 69052 | 293.57 | ng | # | 1 |
| 85) Indeno(1,2,3-cd)pyrene | 19.47 | 276 | 1464 | 6.68 | ng | # | 20 |

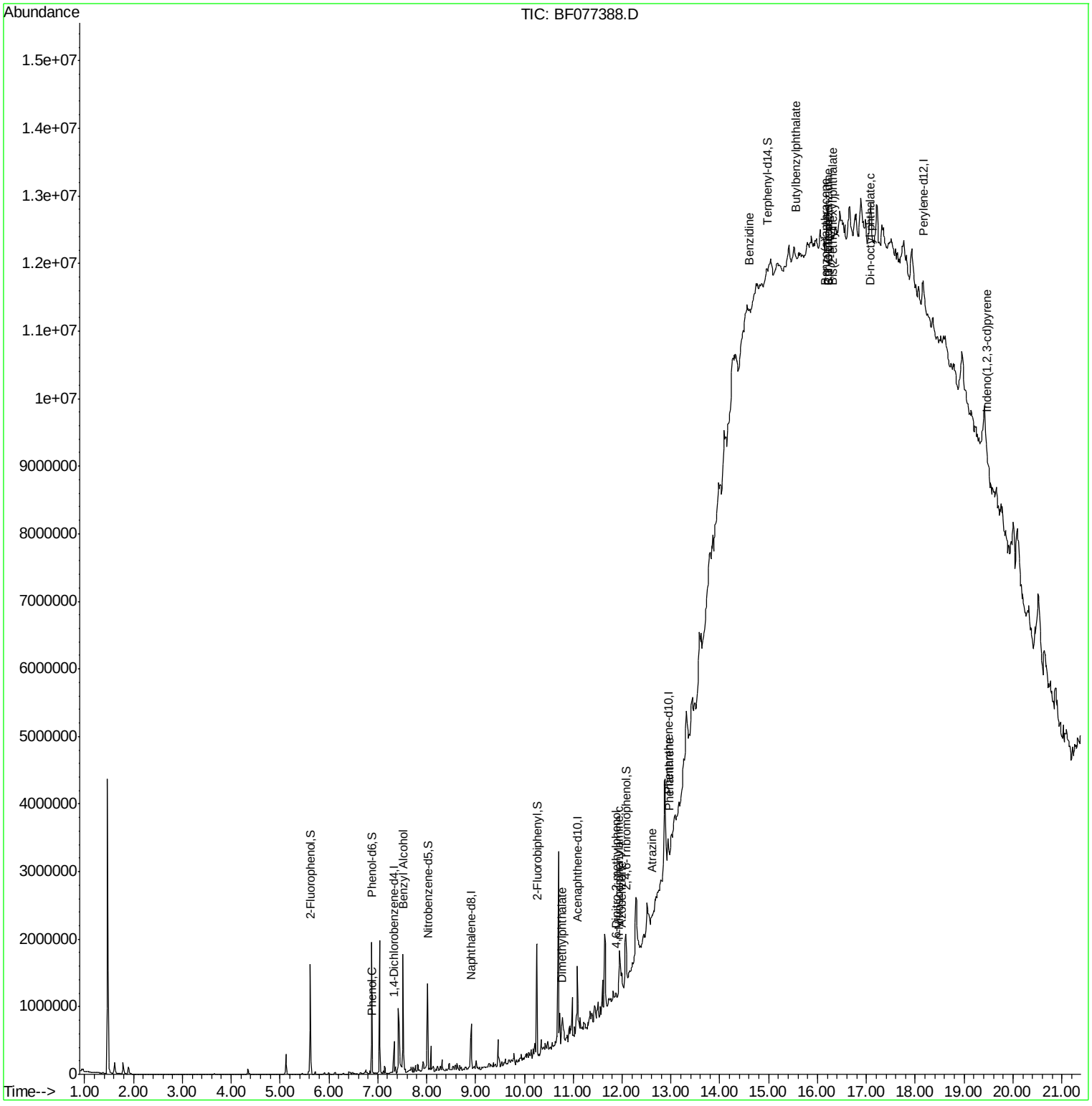
(#) = qualifier out of range (m) = manual integration (+) = signals summed

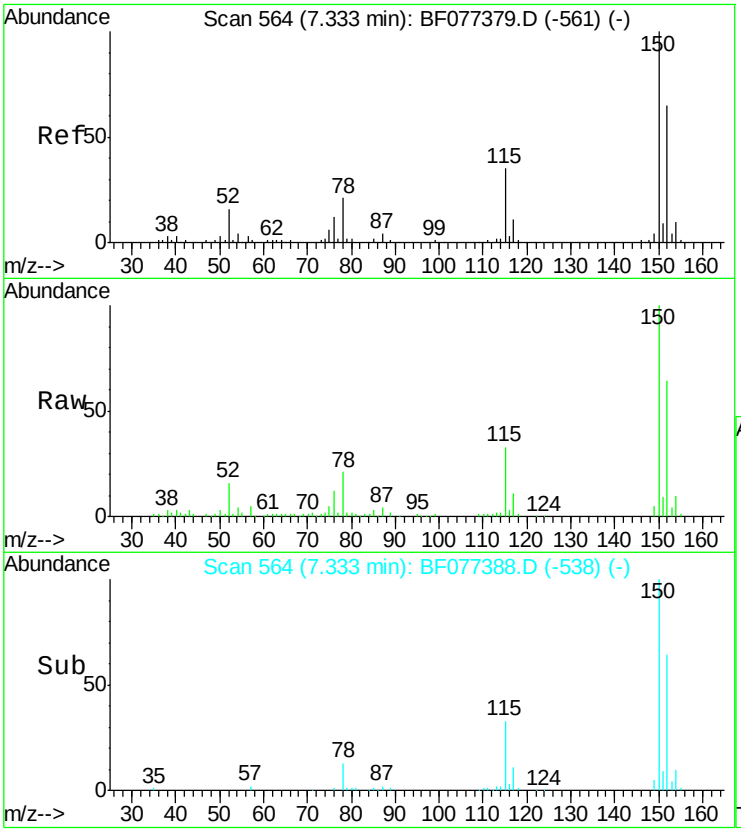
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022015\
Data File : BF077388.D
Acq On : 20 Feb 2015 18:14
Operator : TP/IZ
Sample : G1233-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Quant Time: Feb 21 00:10:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 20 23:55:25 2015
Response via : Initial Calibration



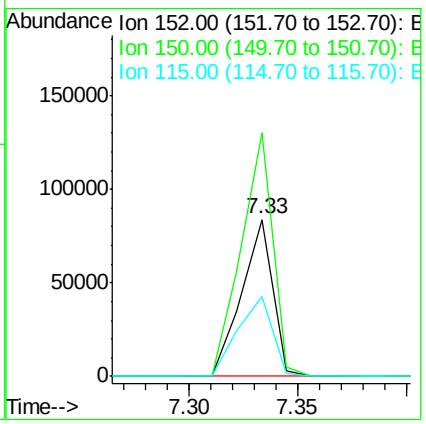


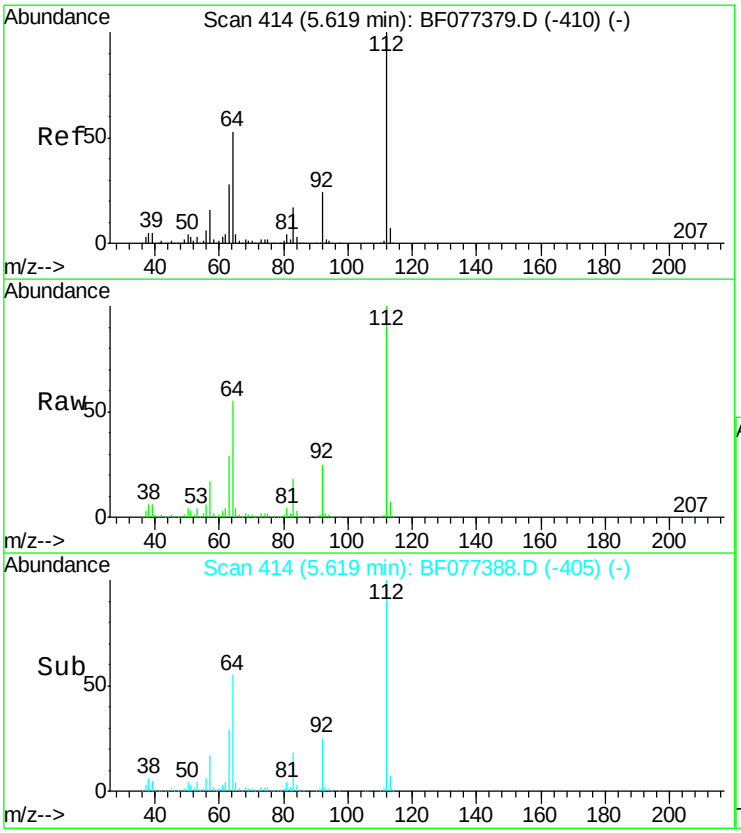

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:152 Resp: 83606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 124.0 | 186.0 |
| 115 | 51.1 | 49.4 | 74.2 |

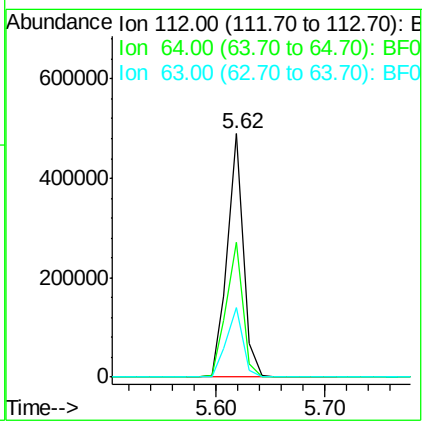


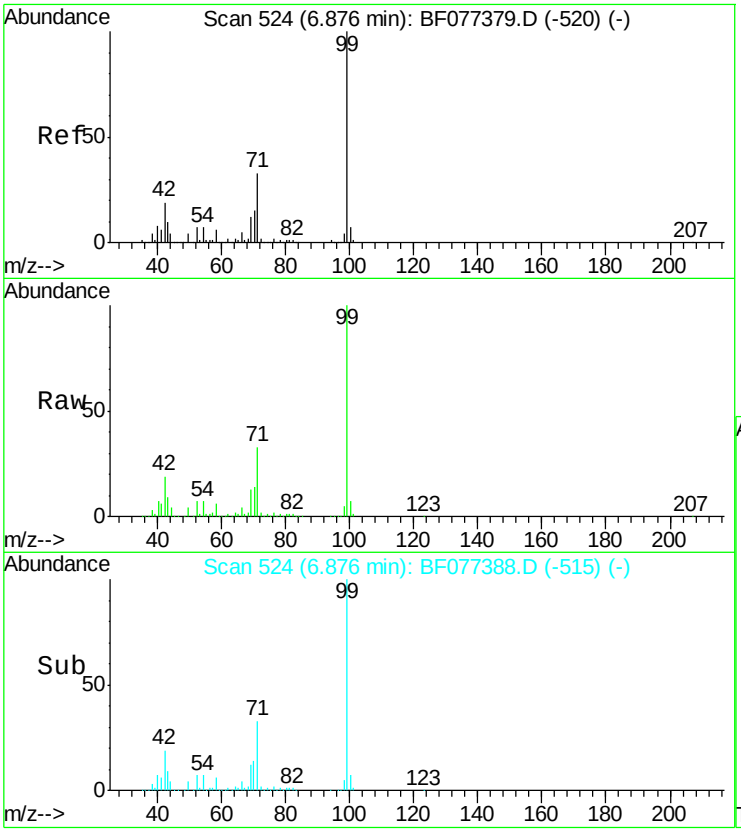




#5
2-Fluorophenol
Concen: 99.90 ng
RT: 5.62 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:112 Resp: 500285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.5 | 48.5 | 72.7 |
| 63 | 28.8 | 25.0 | 37.4 |



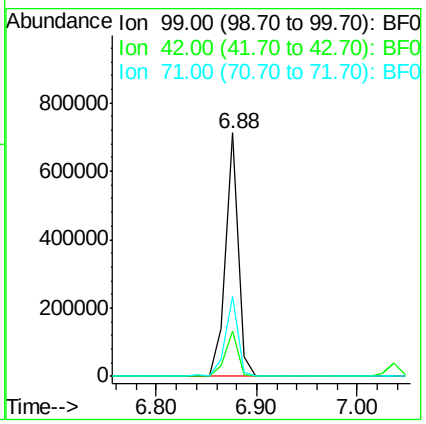


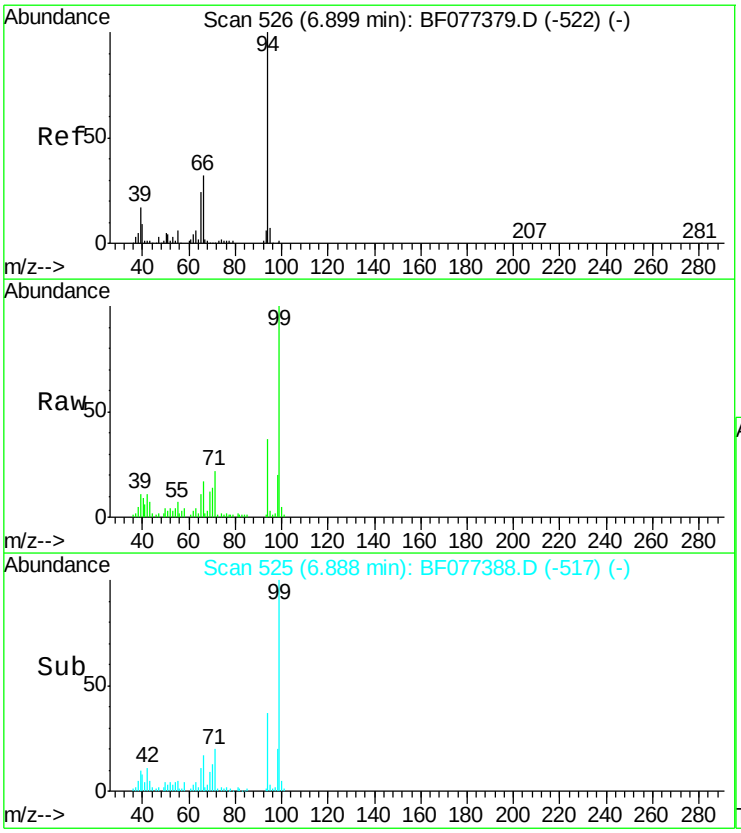

#7
Phenol-d6
Concen: 97.33 ng
RT: 6.88 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion: 99 Resp: 626715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 16.2 | 24.4 |
| 71 | 32.8 | 26.7 | 40.1 |

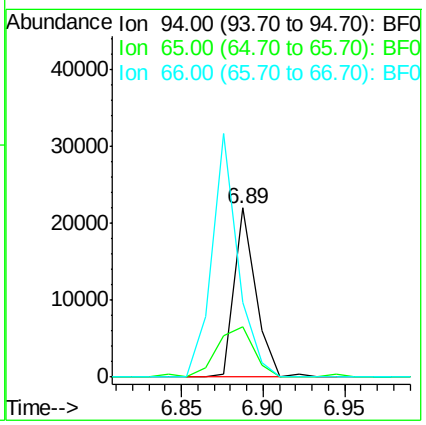


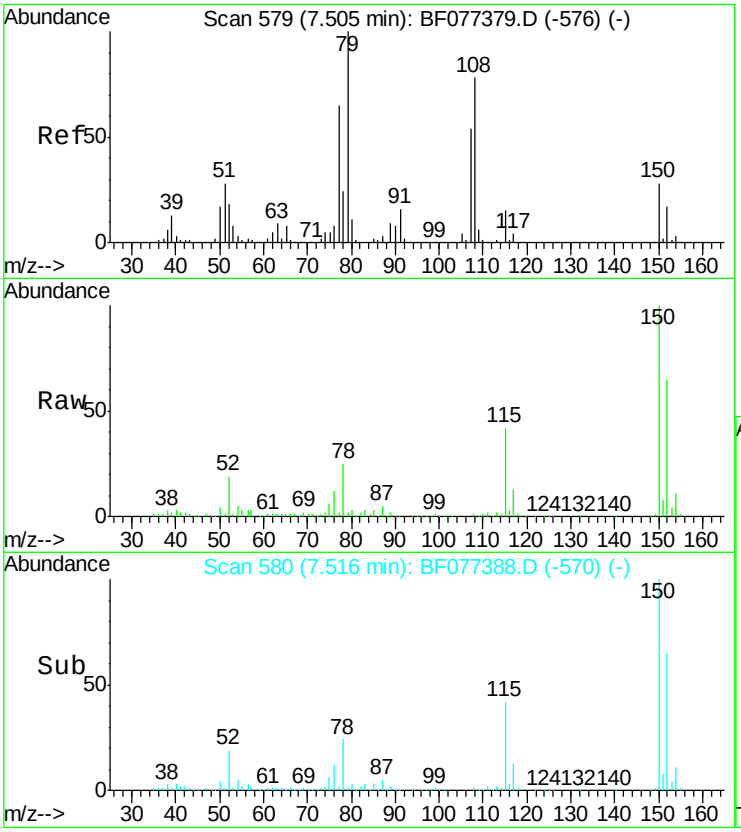




#10
Phenol
Concen: 2.57 ng
RT: 6.89 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion: 94 Resp: 19645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.1 | 5.7 | 45.7 |
| 66 | 44.2 | 13.6 | 53.6 |



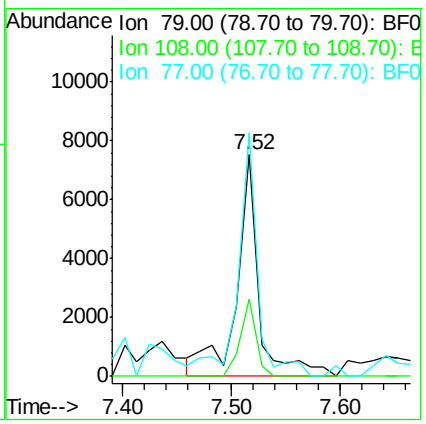


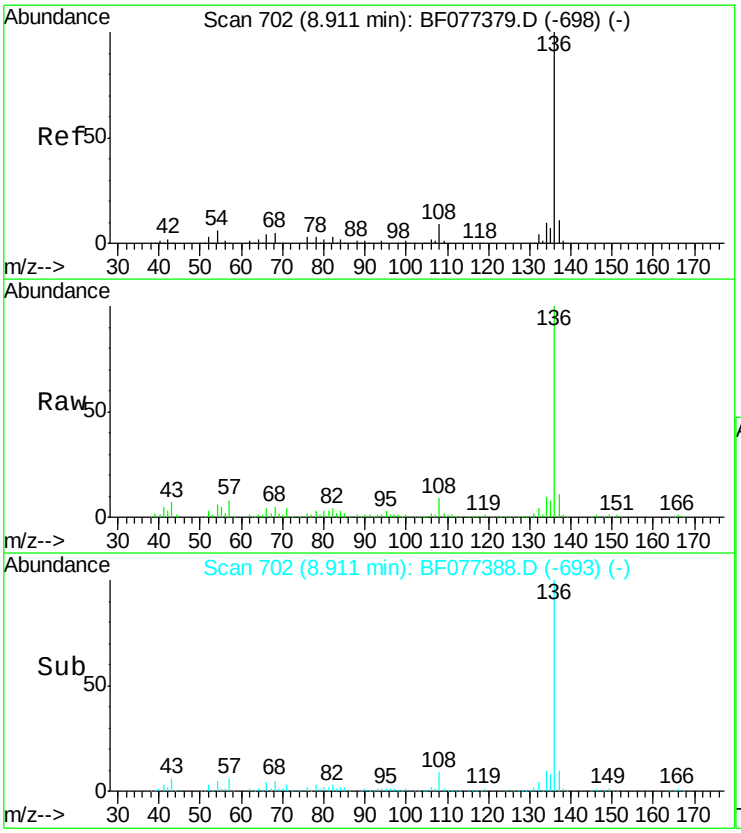

#15
Benzyl Alcohol
Concen: 2.16 ng
RT: 7.52 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion: 79 Resp: 10555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 35.2 | 58.3 | 87.5# |
| 77 | 110.0 | 51.3 | 76.9# |

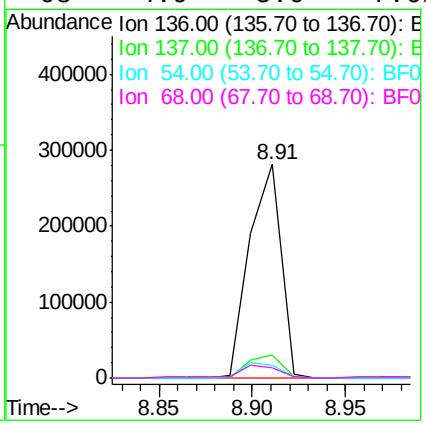


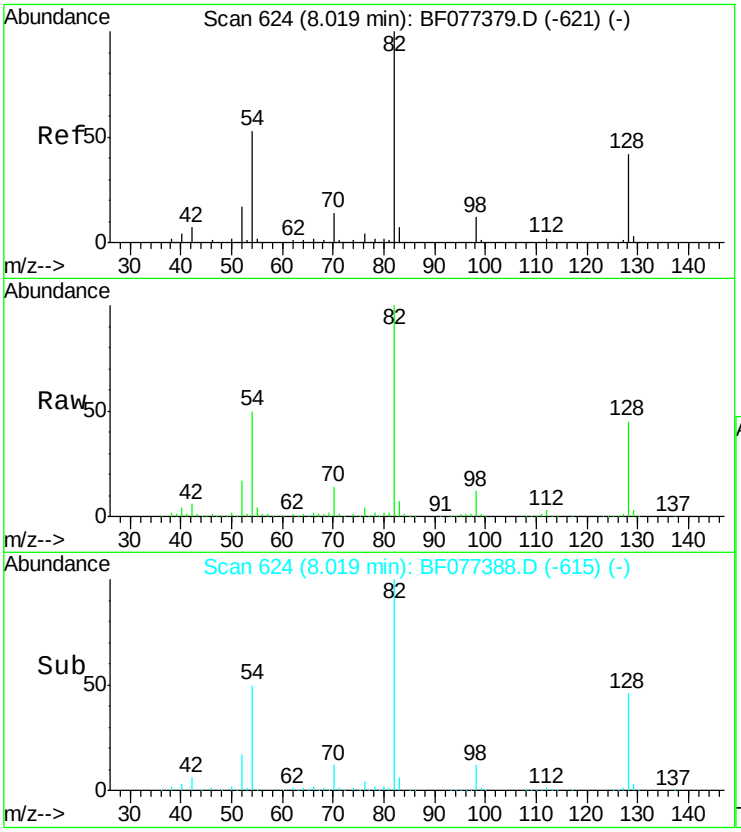




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.91 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:136 Resp: 328957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 5.8 | 6.2 | 9.4# |
| 68 | 4.9 | 5.0 | 7.6# |



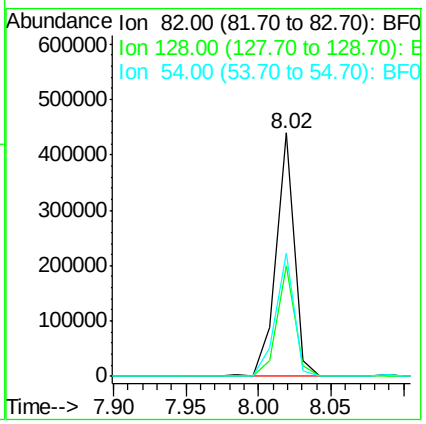


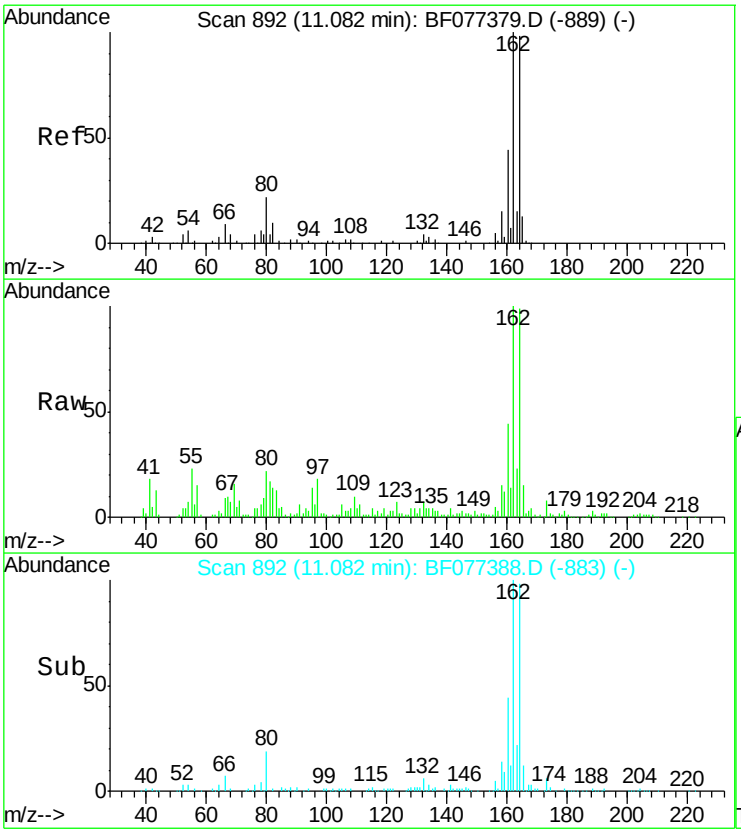

#23
Nitrobenzene-d5
Concen: 72.31 ng
RT: 8.02 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion: 82 Resp: 382539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 43.8 | 65.8 |
| 54 | 50.5 | 36.7 | 55.1 |

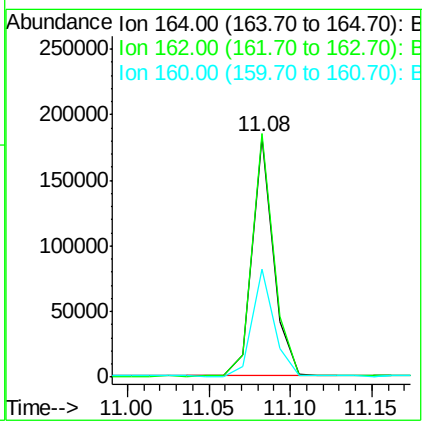


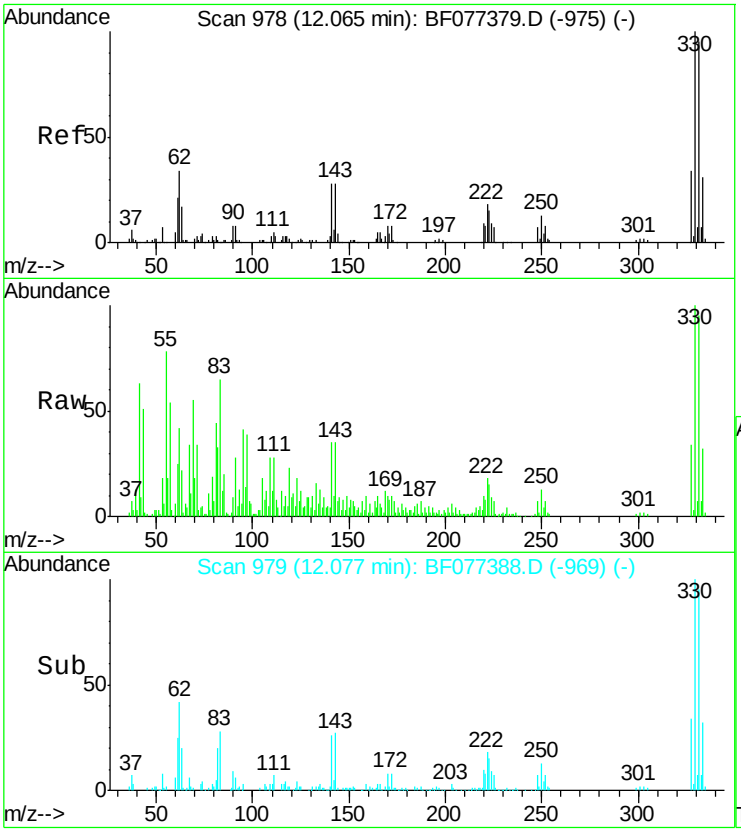




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:164 Resp: 165178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 83.2 | 124.8 |
| 160 | 45.1 | 34.6 | 52.0 |



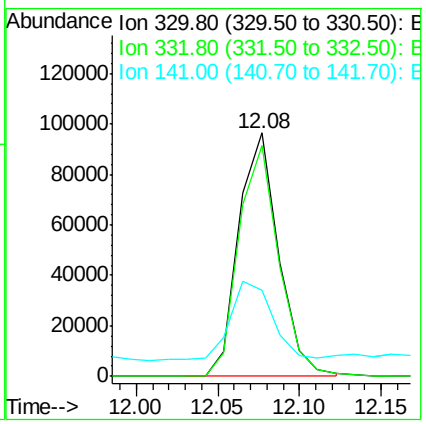


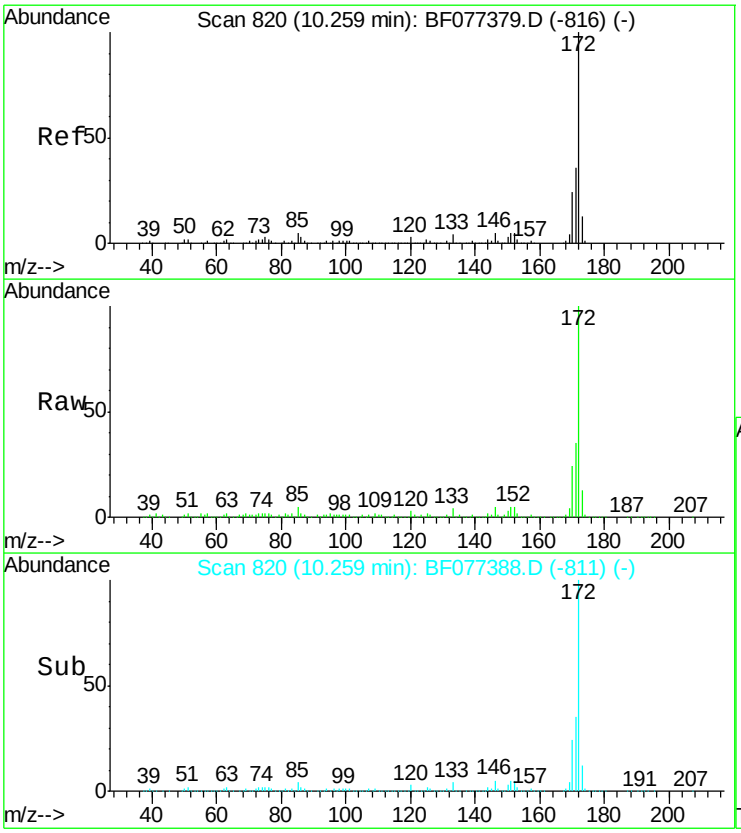

#41
2,4,6-Tribromophenol
Concen: 102.64 ng
RT: 12.08 min Scan# 979
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:330 Resp: 163238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 77.4 | 116.2 |
| 141 | 35.4 | 28.8 | 43.2 |

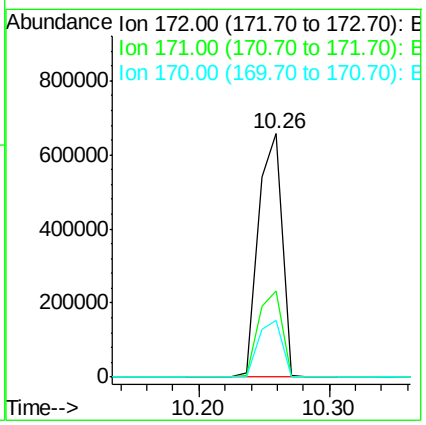


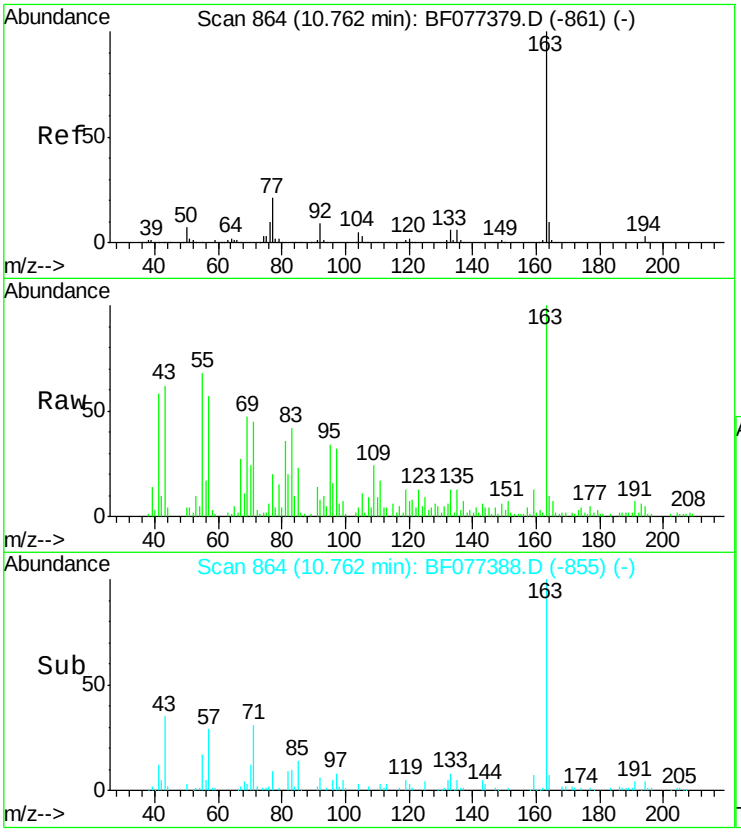




#44
2-Fluorobiphenyl
Concen: 78.64 ng
RT: 10.26 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:172 Resp: 833074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.9 | 43.3 |
| 170 | 23.5 | 19.4 | 29.2 |



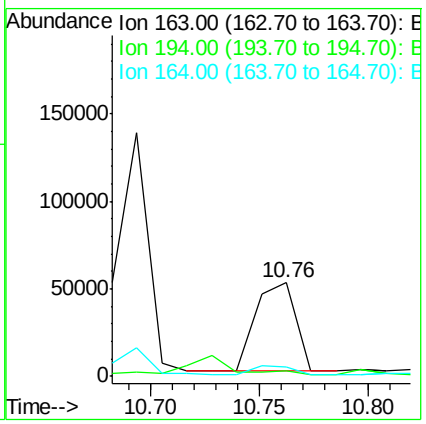


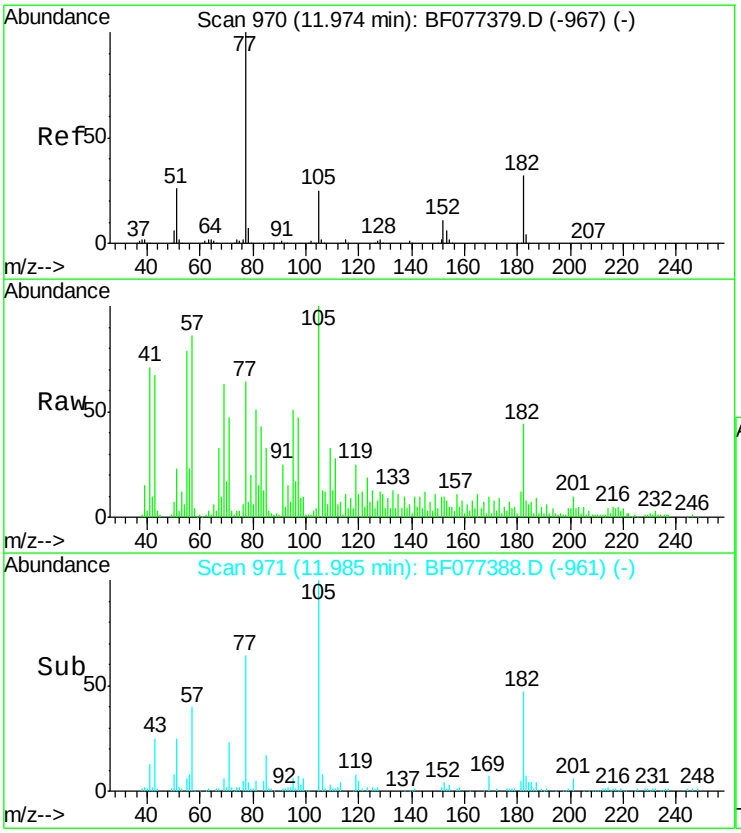

#49
Dimethylphthalate
Concen: 5.63 ng
RT: 10.76 min Scan# 864
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:163 Resp: 65315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.3 | 2.6 | 4.0# |
| 164 | 10.4 | 8.6 | 13.0 |

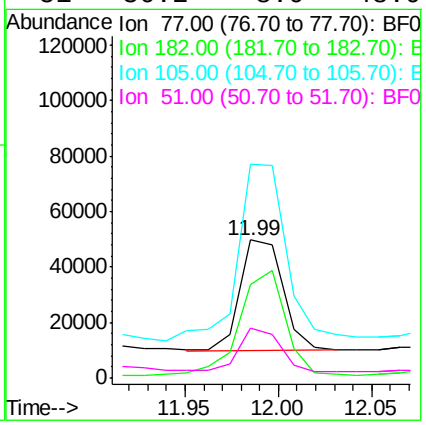


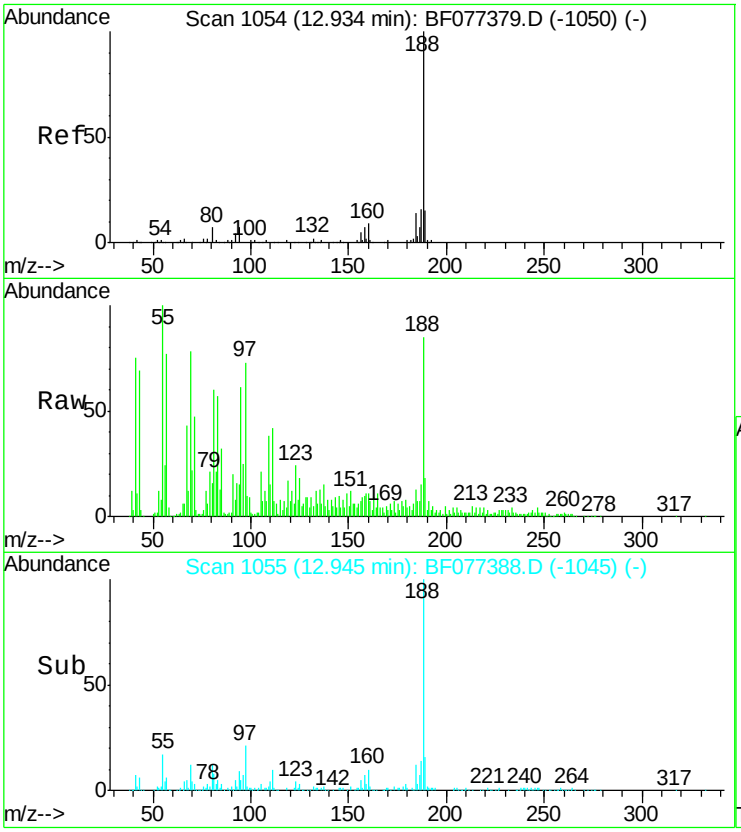




#62
Azobenzene
Concen: 5.85 ng
RT: 11.99 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion: 77 Resp: 63576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 67.9 | 4.9 | 44.9# |
| 105 | 155.2 | 3.3 | 43.3# |
| 51 | 36.2 | 8.9 | 48.9 |



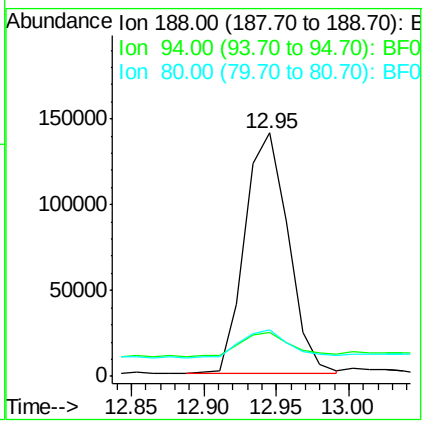


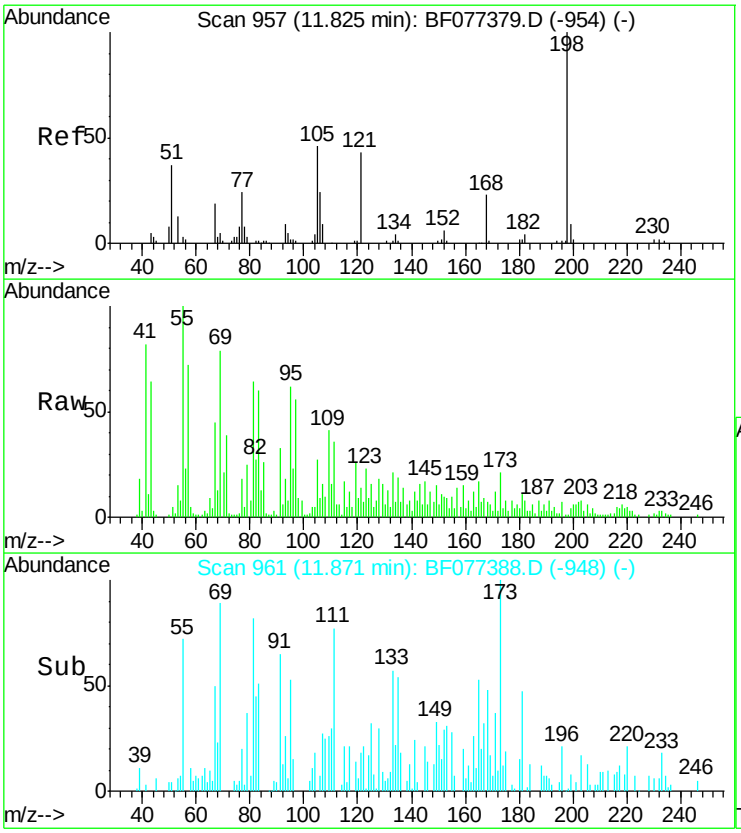

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:188 Resp: 289881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 18.1 | 7.4 | 11.2# |
| 80 | 19.4 | 8.0 | 12.0# |

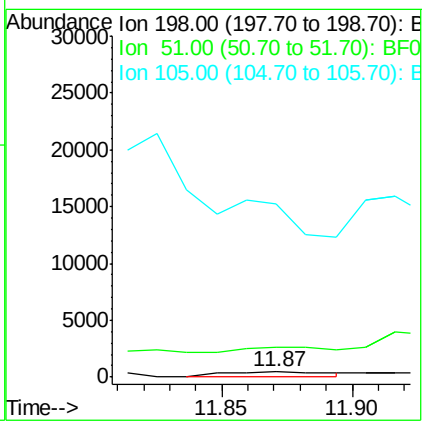


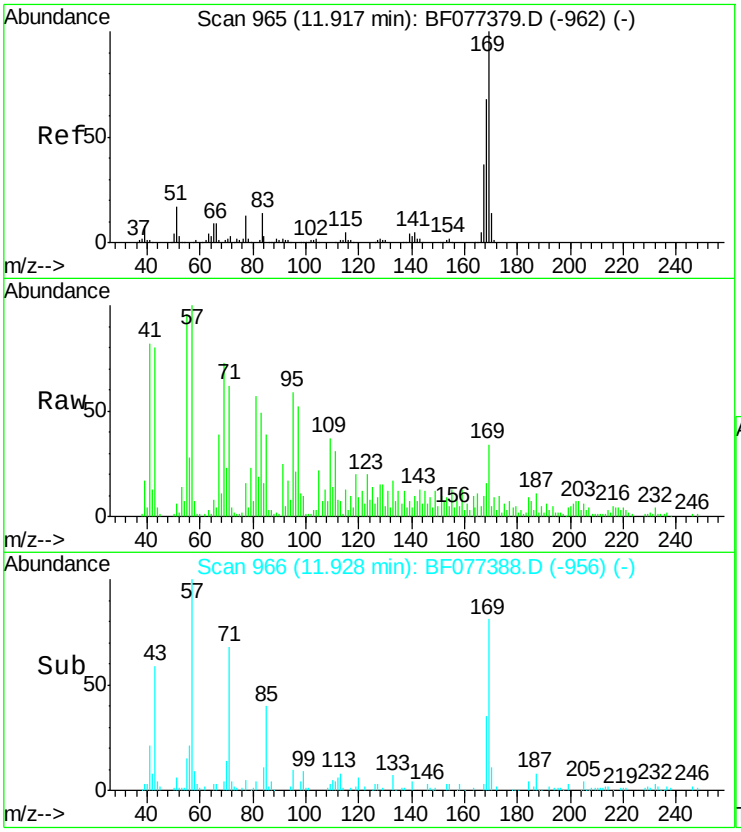




#64
4,6-Dinitro-2-methylphenol
Concen: 4.81 ng
RT: 11.87 min Scan# 961
Delta R.T. 0.05 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:198 Resp: 1373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 611.6 | 2.7 | 42.7# |
| 105 | 3525.9 | 10.0 | 50.0# |



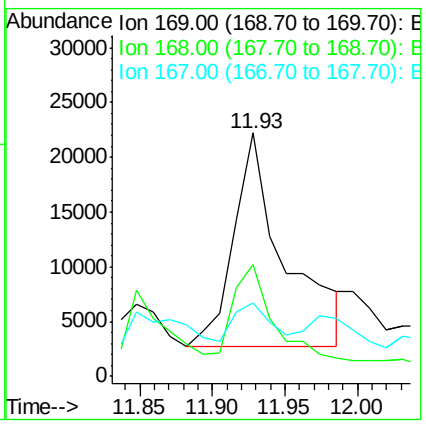


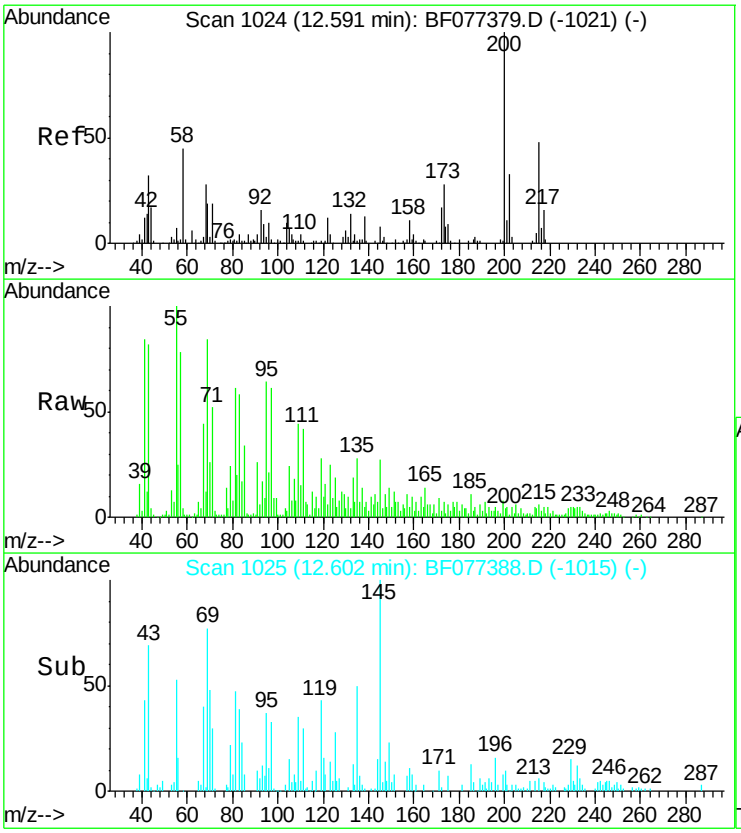

#65
n-Nitrosodiphenylamine
Concen: 4.94 ng
RT: 11.93 min Scan# 966
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:169 Resp: 47529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 46.1 | 53.0 | 79.6# |
| 167 | 30.3 | 29.5 | 44.3 |

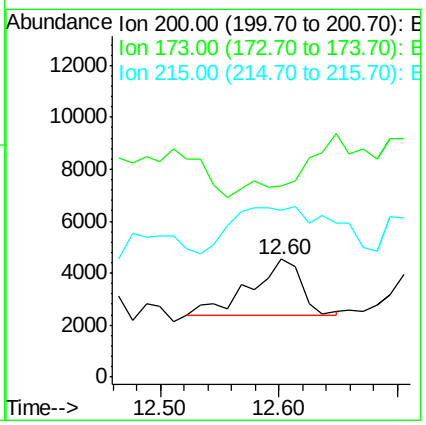


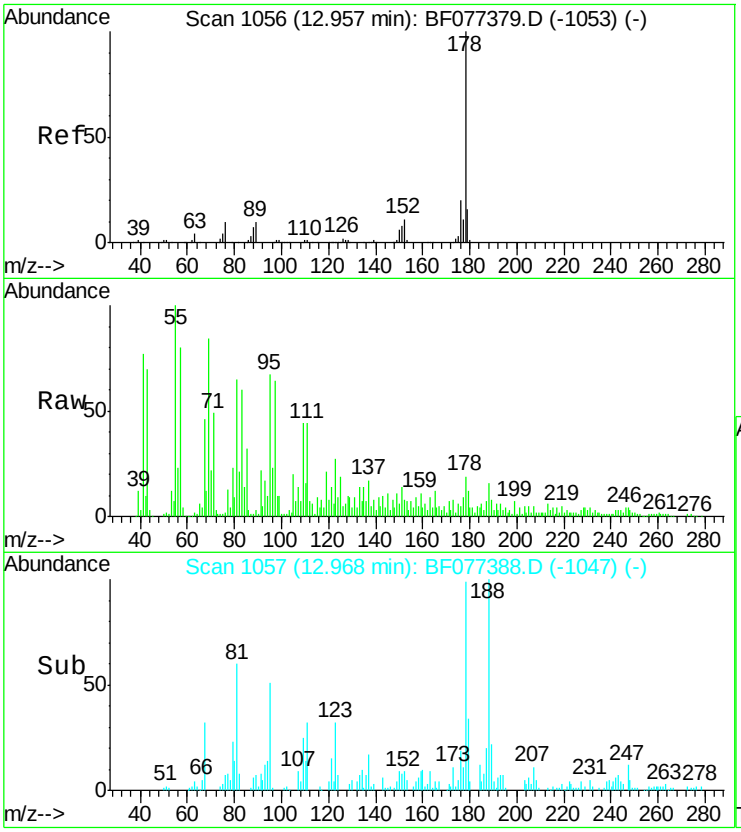




#68
Atrazine
Concen: 2.10 ng
RT: 12.60 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:200 Resp: 6553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 161.9 | 9.6 | 49.6# |
| 215 | 141.3 | 24.4 | 64.4# |



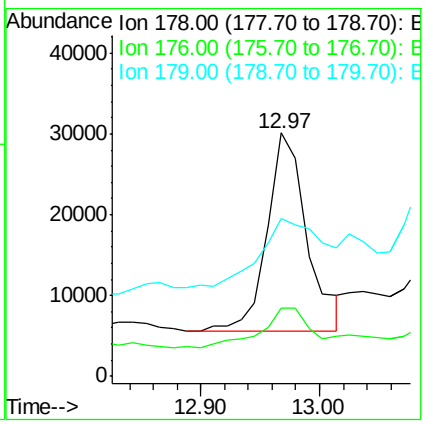


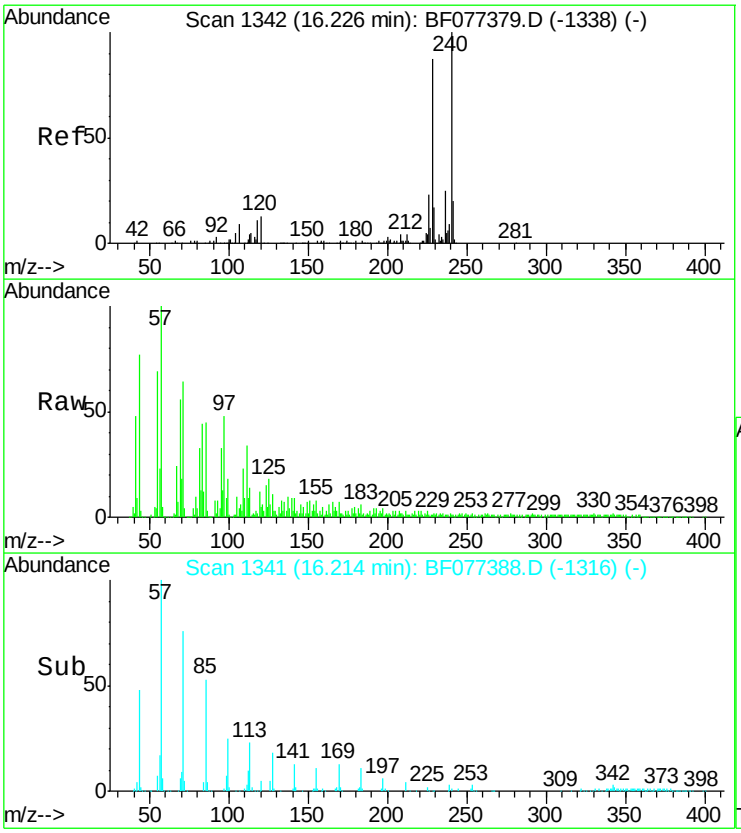

#70
Phenanthrene
Concen: 3.38 ng
RT: 12.97 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:178 Resp: 56836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 28.2 | 15.5 | 23.3# |
| 179 | 64.7 | 12.2 | 18.2# |

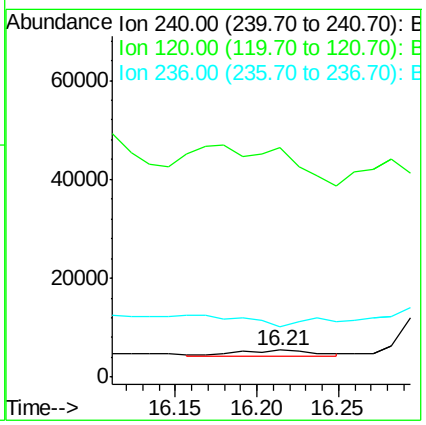


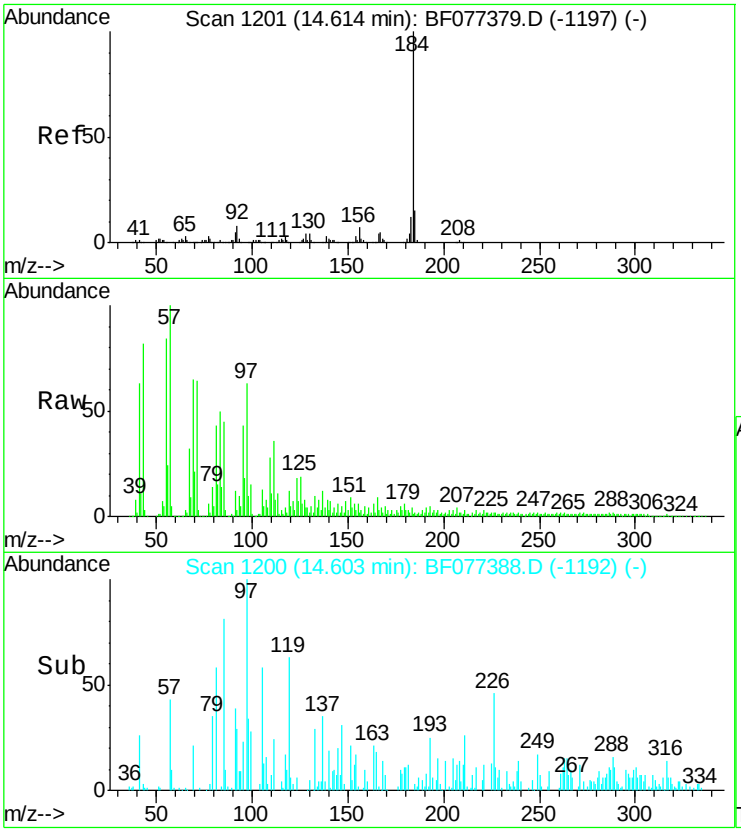




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:240 Resp: 3491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 841.0 | 8.8 | 13.2# |
| 236 | 187.1 | 20.7 | 31.1# |



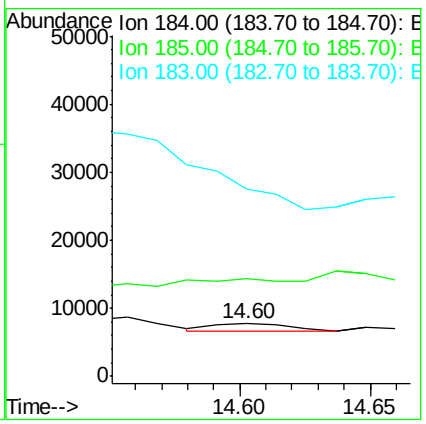


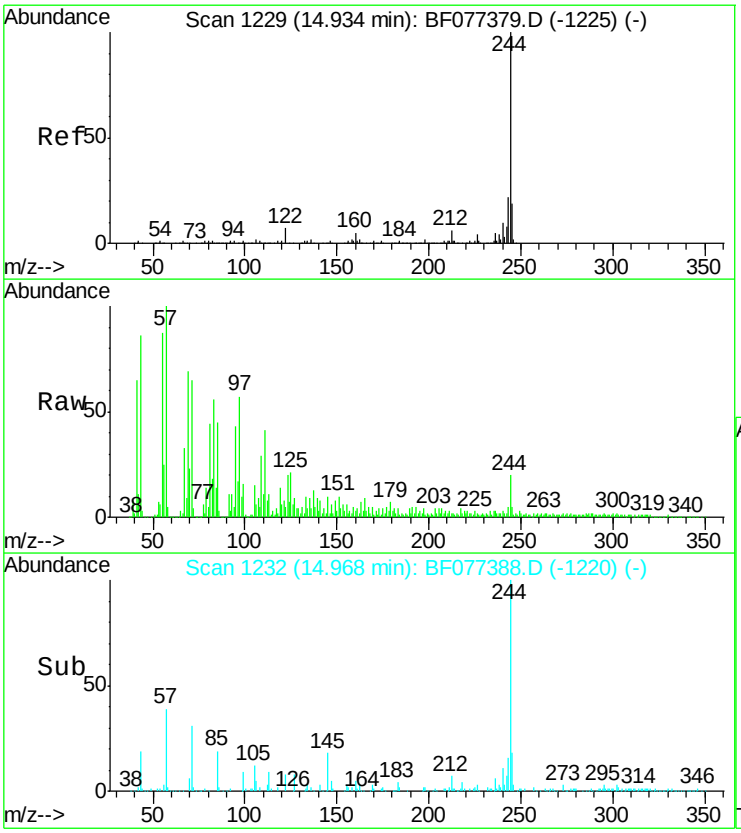

#76
Benzidine
Concen:  18.52 ng
RT: 14.60 min  Scan# 1200
Delta R.T.  -0.01 min
Lab File:  BF077388.D
Acq: 20 Feb 2015  18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:184 Resp:  2184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 185.2 | 12.6 | 18.8# |
| 183 | 357.4 | 9.3 | 13.9# |

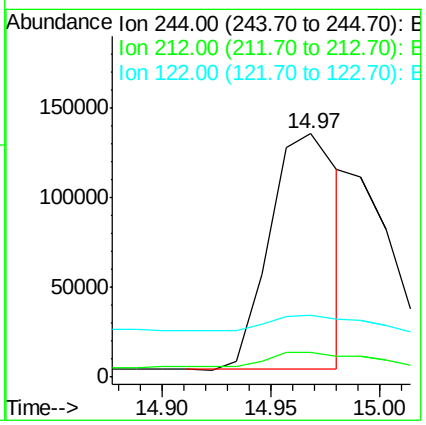


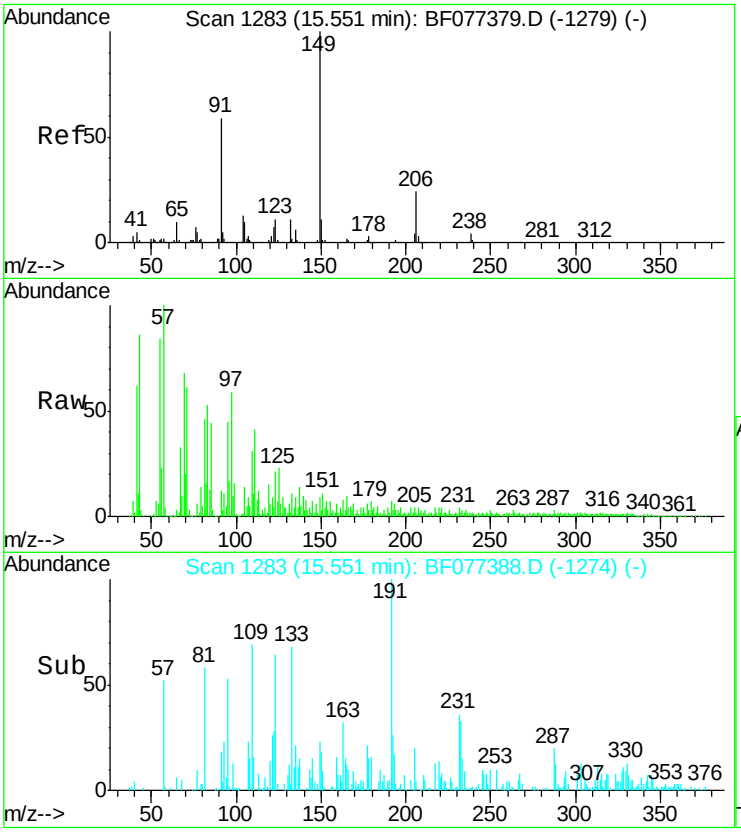




#78
Terphenyl-d14
Concen: 1945.50 ng
RT: 14.97 min  Scan# 1232
Delta R.T.  0.03 min
Lab File:  BF077388.D
Acq: 20 Feb 2015  18:14

Tgt Ion:244 Resp:  290520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.9 | 5.2 | 7.8# |
| 122 | 25.3 | 7.8 | 11.8# |



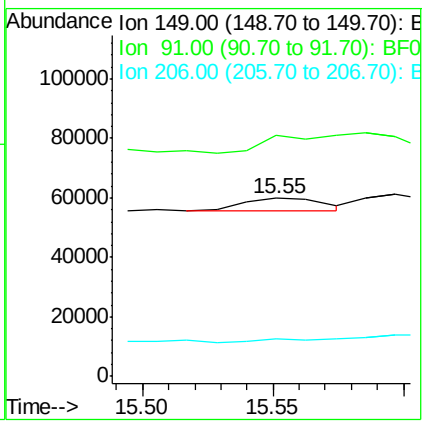


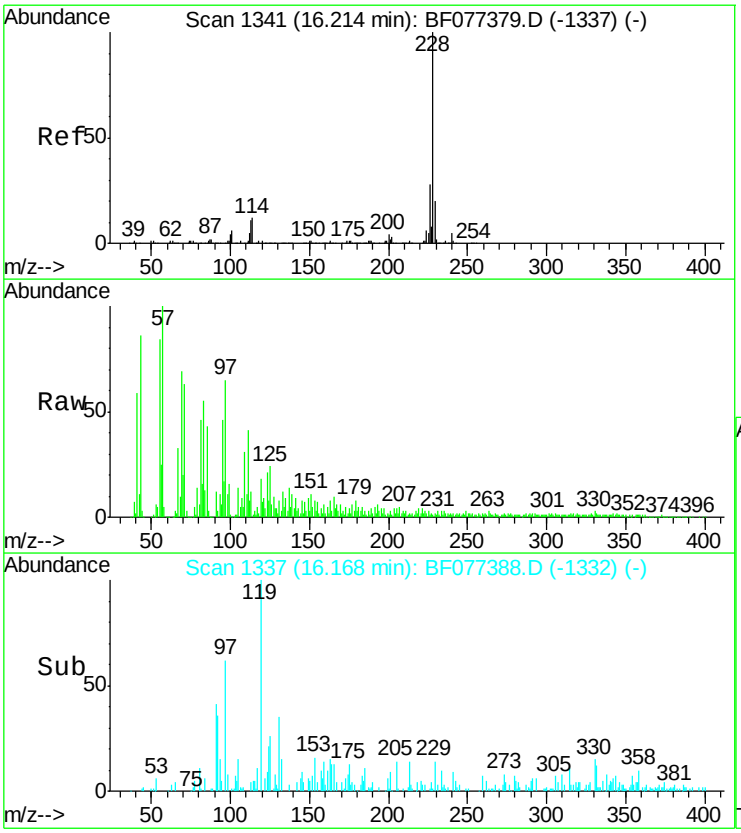

#79
Butylbenzylphthalate
Concen: 106.84 ng
RT: 15.55 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:149 Resp: 9387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 135.6 | 51.2 | 76.8# |
| 206 | 21.2 | 17.8 | 26.8 |

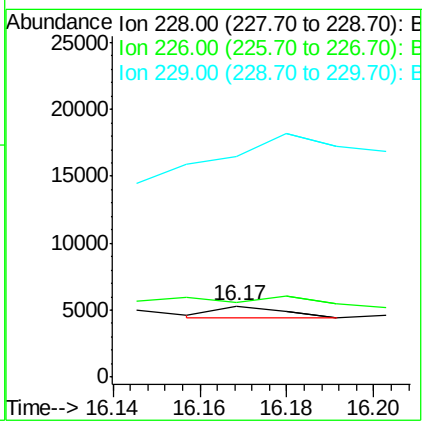


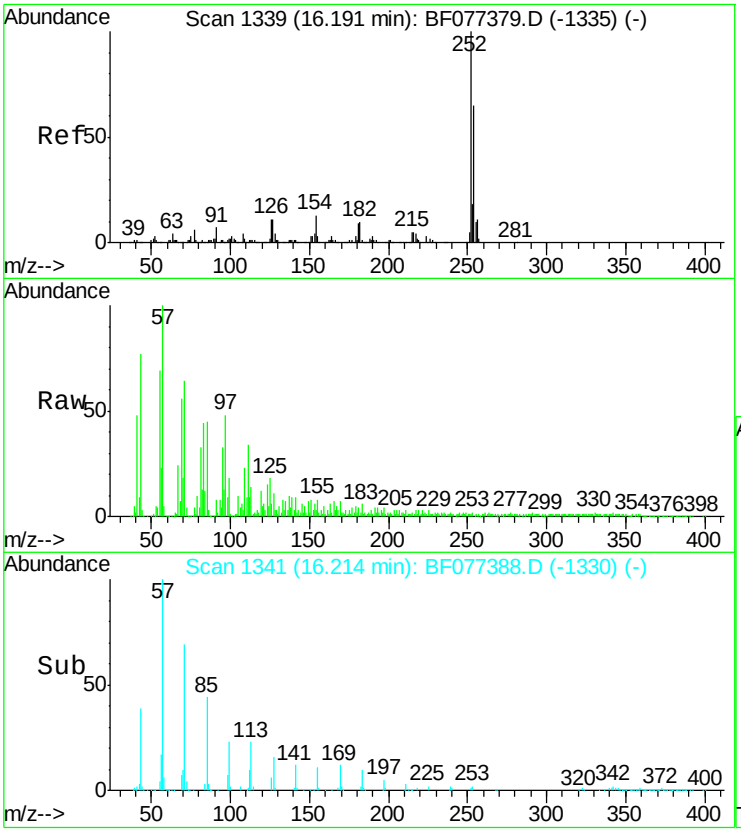




#80
Benzo(a)anthracene
Concen: 4.80 ng
RT: 16.17 min Scan# 1337
Delta R.T. -0.05 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:228 Resp: 982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 104.8 | 22.0 | 33.0# |
| 229 | 308.2 | 15.8 | 23.8# |



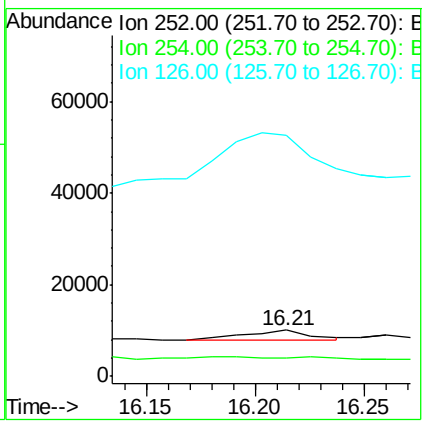


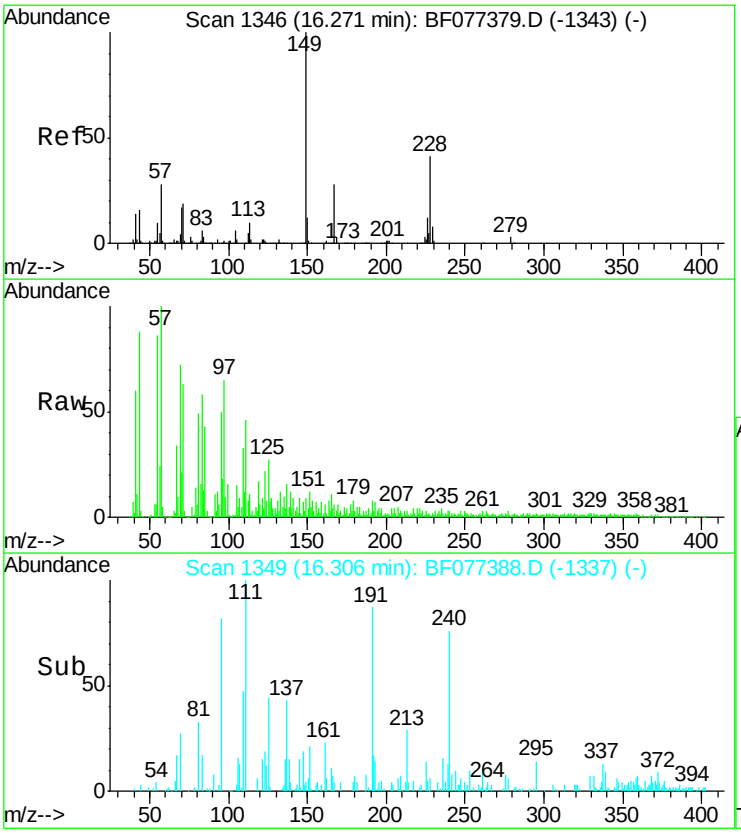

#81
3,3'-Dichlorobenzidine
Concen: 64.29 ng
RT: 16.21 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:252 Resp: 4820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 38.4 | 52.9 | 79.3# |
| 126 | 522.2 | 7.3 | 10.9# |

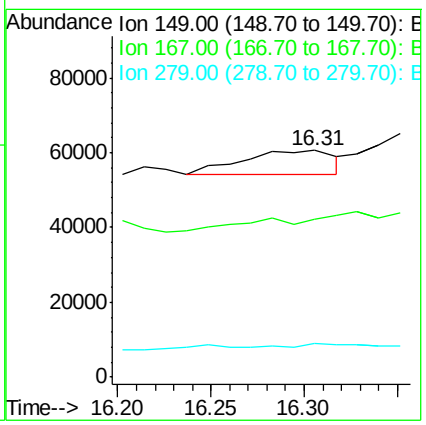


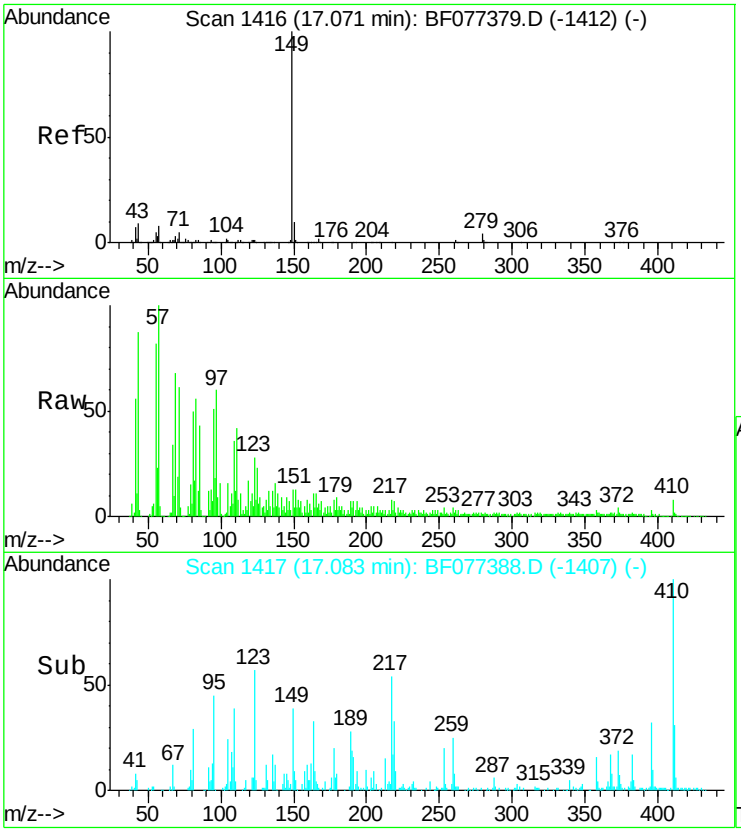




#83
Bis(2-ethylhexyl)phthalate
Concen: 154.34 ng
RT: 16.31 min Scan# 1349
Delta R.T. 0.03 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:149 Resp: 21744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 69.7 | 22.8 | 34.2# |
| 279 | 14.9 | 3.8 | 5.6# |



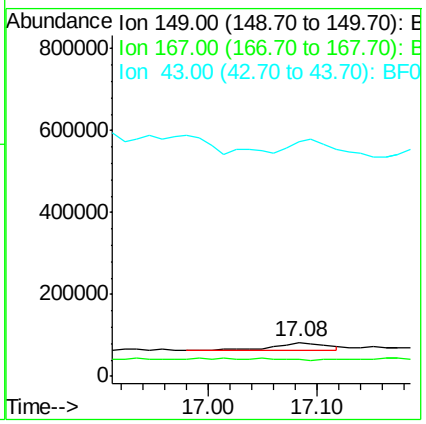


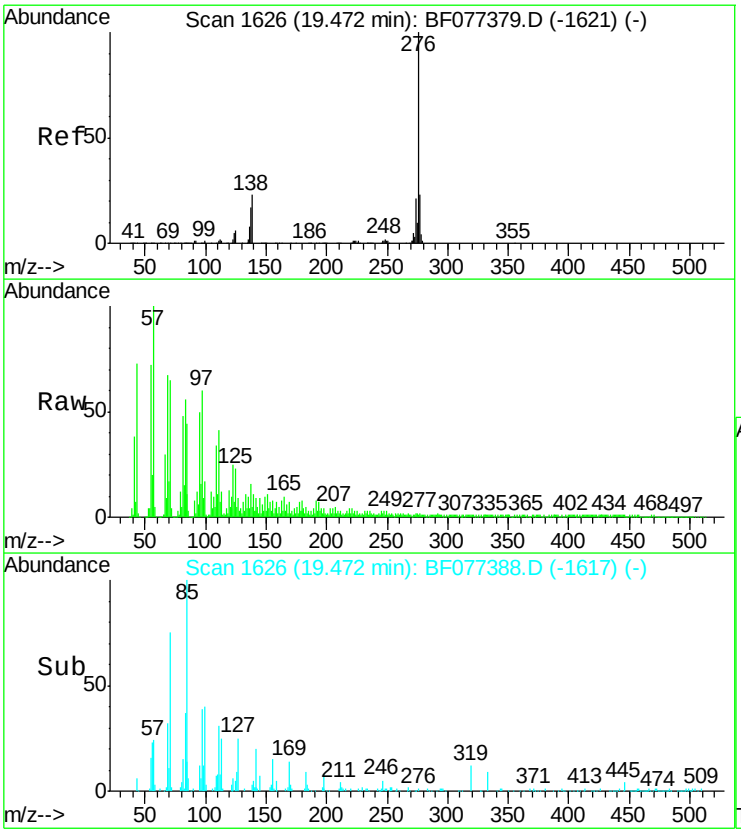

#84
Di-n-octyl phthalate
Concen: 293.57 ng
RT: 17.08 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:149 Resp: 69052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.3 | 1.9# |
| 43 | 94.3 | 8.1 | 12.1# |

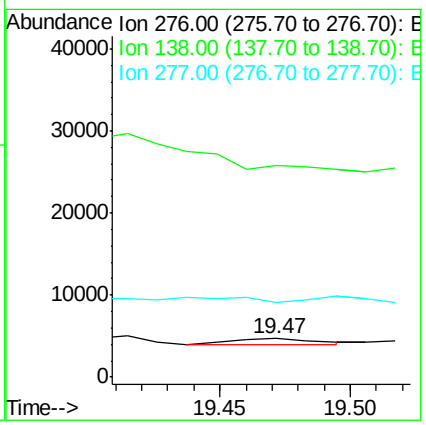


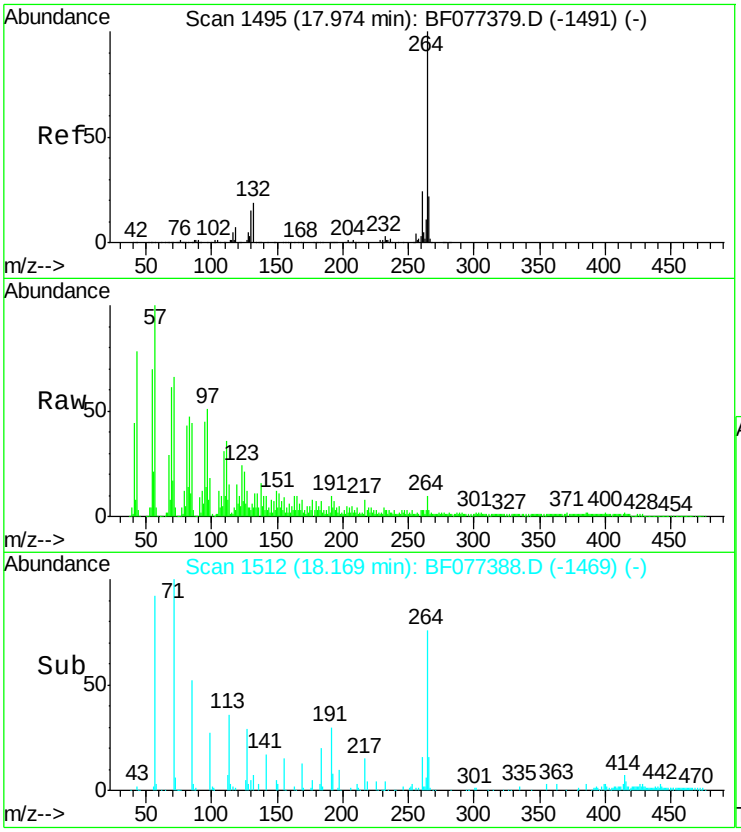




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.68 ng
RT: 19.47 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

Tgt Ion:276 Resp: 1464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.0 | 21.2 | 31.8# |
| 277 | 80.3 | 20.0 | 30.0# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 18.17 min Scan# 1512
Delta R.T. 0.19 min
Lab File: BF077388.D
Acq: 20 Feb 2015 18:14

**Instrument :**
BNA_F
**ClientSampleId :**
VMA4(9.5-10)RE

Tgt Ion:264 Resp: 118673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 31.2 | 19.3 | 28.9# |
| 265 | 33.2 | 16.8 | 25.2# |