Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079524.D
Acq On : 27 May 2015 18:02
Operator : TP/IZ
Sample : G2309-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PX4

Quant Time: May 28 00:56:45 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 00:48:25 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 66835 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.58 | 136 | 271305 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.75 | 164 | 105934 | 20.00 | ng | 0.01 |
| 63) Phenanthrene-d10 | 12.59 | 188 | 243172 | 20.00 | ng | 0.01 |
| 75) Chrysene-d12 | 15.86 | 240 | 271125 | 20.00 | ng | -0.08 |
| 86) Perylene-d12 | 17.55 | 264 | 285153 | 20.00 | ng | -0.33 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.28 | 112 | 400166 | 103.85 | ng | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 572467 | 116.56 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.70 | 82 | 328311 | 69.95 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.74 | 330 | 163951 | 140.91 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.93 | 172 | 647116 | 87.15 | ng | 0.00 |
| 78) Terphenyl-d14 | 14.58 | 244 | 731667 | 63.33 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.52 | 70 | 12350 | 3.57 | ng | # 75 |
| 25) Isophorone | 7.99 | 82 | 35002 | 4.09 | ng | # 1 |
| 26) 2-Nitrophenol | 8.14 | 139 | 5320 | 2.43 | ng | # 1 |
| 35) Caprolactam | 9.15 | 113 | 73581 | 64.70 | ng | # 23 |
| 47) 2-Nitroaniline | 10.19 | 65 | 6791 | 3.50 | ng | # 81 |
| 49) Dimethylphthalate | 10.44 | 163 | 29530 | 3.78 | ng | # 78 |
| 50) 2,6-Dinitrotoluene | 10.48 | 165 | 4837 | 3.10 | ng | # 78 |
| 52) 3-Nitroaniline | 10.72 | 138 | 5681 | 2.80 | ng | # 35 |
| 53) 2,4-Dinitrophenol | 10.90 | 184 | 505 | 6.58 | ng | # 1 |
| 56) 2,4-Dinitrotoluene | 11.06 | 165 | 12576 | 6.01 | ng | # 47 |
| 59) Diethylphthalate | 11.32 | 149 | 17330 | 2.27 | ng | # 31 |
| 64) 4,6-Dinitro-2-methylphenol | 11.56 | 198 | 4181 | 9.90 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 11.59 | 169 | 61177 | 7.57 | ng | # 36 |
| 68) Atrazine | 12.26 | 200 | 13773 | 6.31 | ng | # 65 |
| 73) Di-n-butylphthalate | 13.35 | 149 | 7073 | Below Cal | | # 1 |
| 89) Benzo(a)pyrene | 17.50 | 252 | 1555 | Below Cal | | # 1 |
| 90) Dibenzo(a,h)anthracene | 18.88 | 278 | 749 | Below Cal | | # 1 |
| 91) Benzo(g,h,i)perylene | 19.25 | 276 | 2141 | Below Cal | | # 67 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079524.D
Acq On : 27 May 2015 18:02
Operator : TP/IZ
Sample : G2309-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
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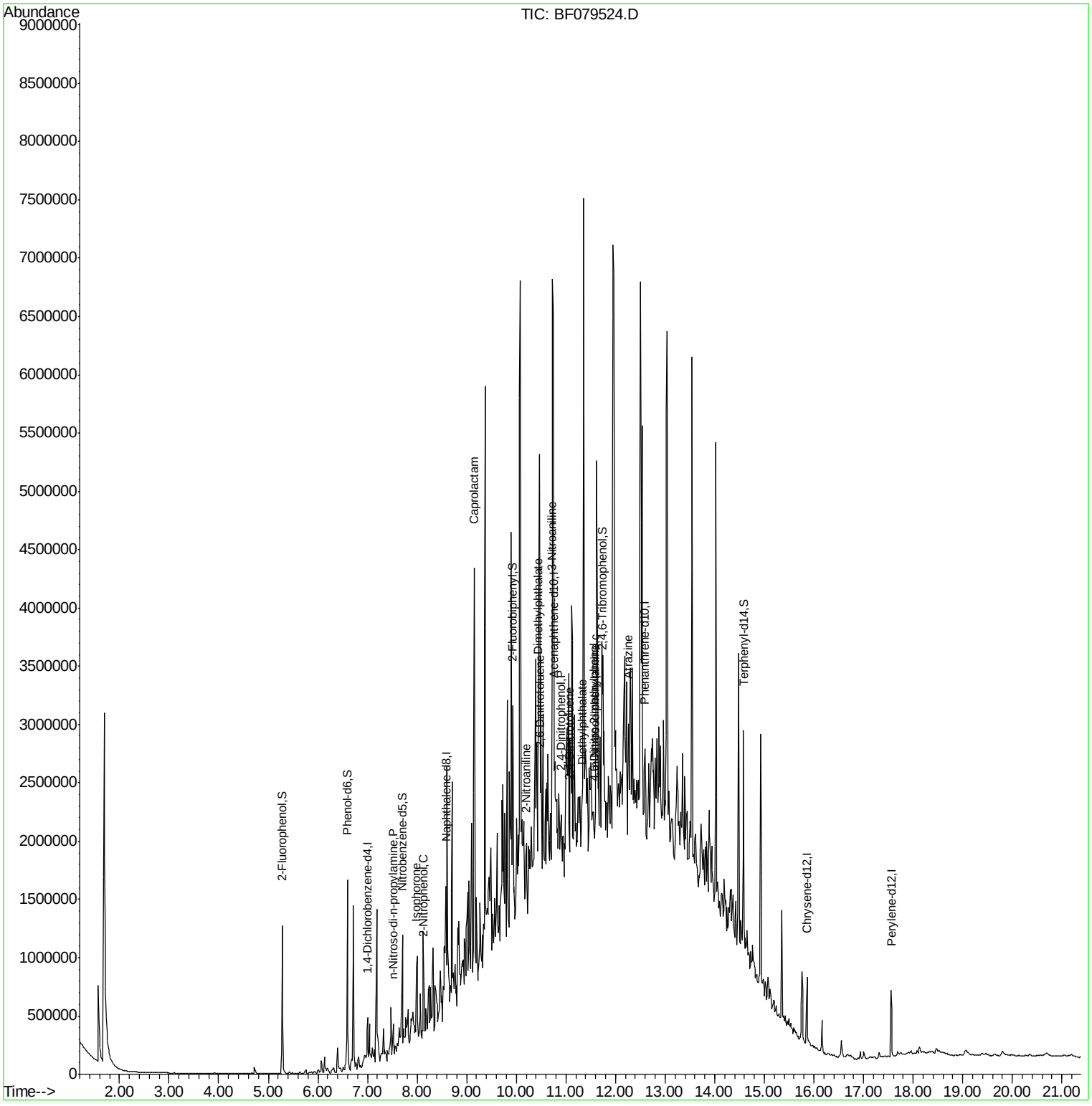
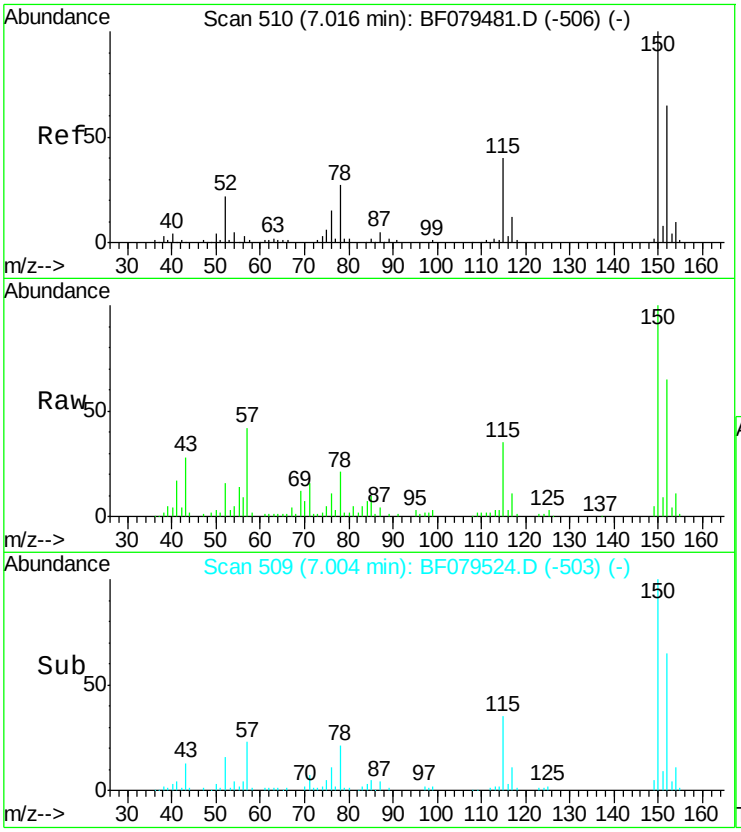
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 00:48:25 2015
Response via : Initial Calibration



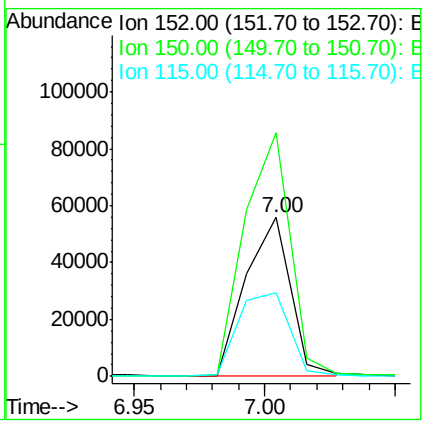


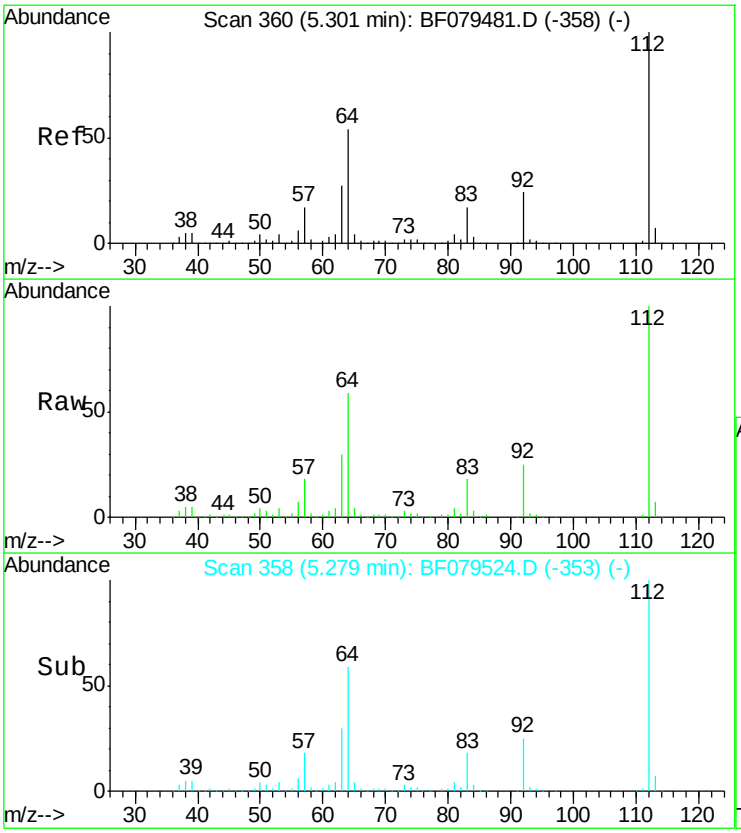

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:152 Resp: 66835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.3 | 124.0 | 186.0 |
| 115 | 53.0 | 49.6 | 74.4 |

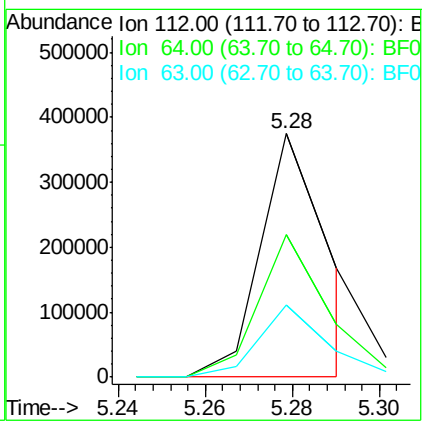


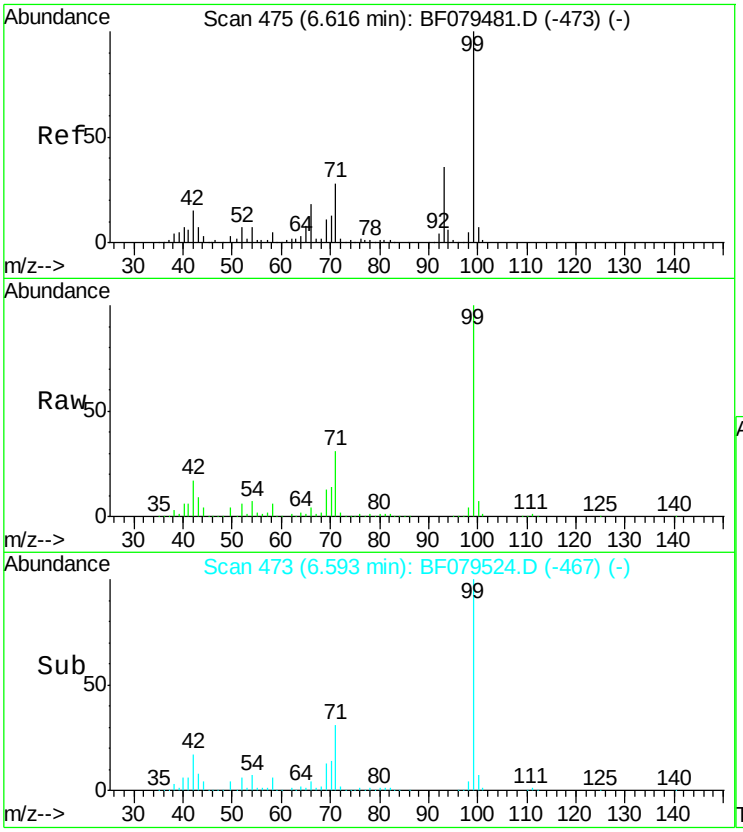




#5
2-Fluorophenol
Concen: 103.85 ng
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:112 Resp: 400166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.6 | 43.5 | 65.3 |
| 63 | 29.8 | 21.8 | 32.8 |



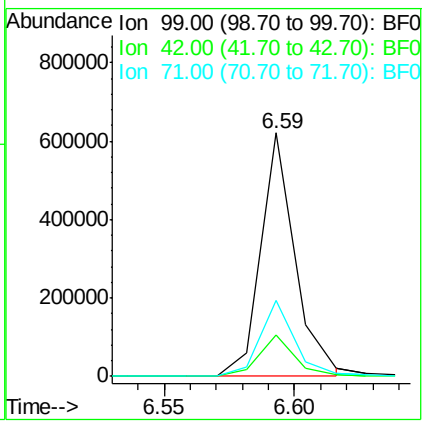


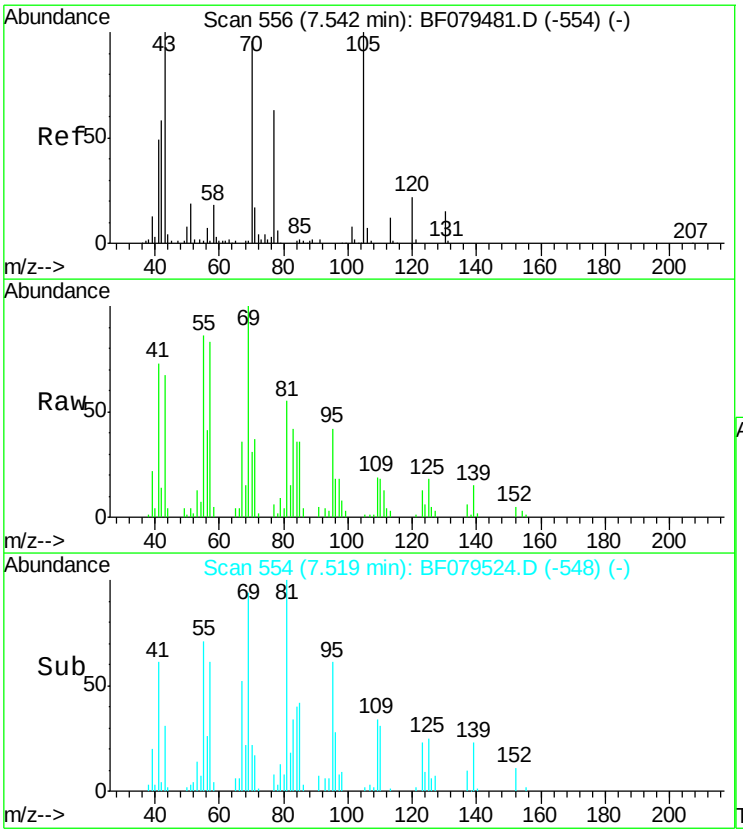

#7
Phenol-d6
Concen: 116.56 ng
RT: 6.59 min Scan# 473
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion: 99 Resp: 572467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.0 | 11.9 | 17.9 |
| 71 | 31.0 | 22.1 | 33.1 |

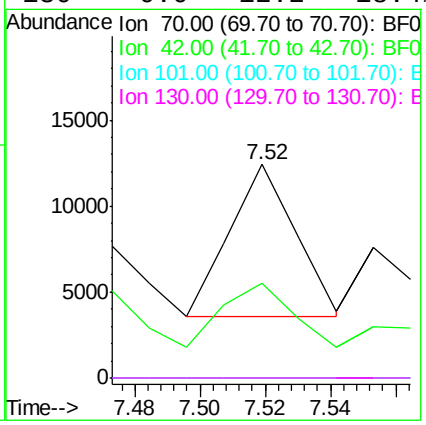


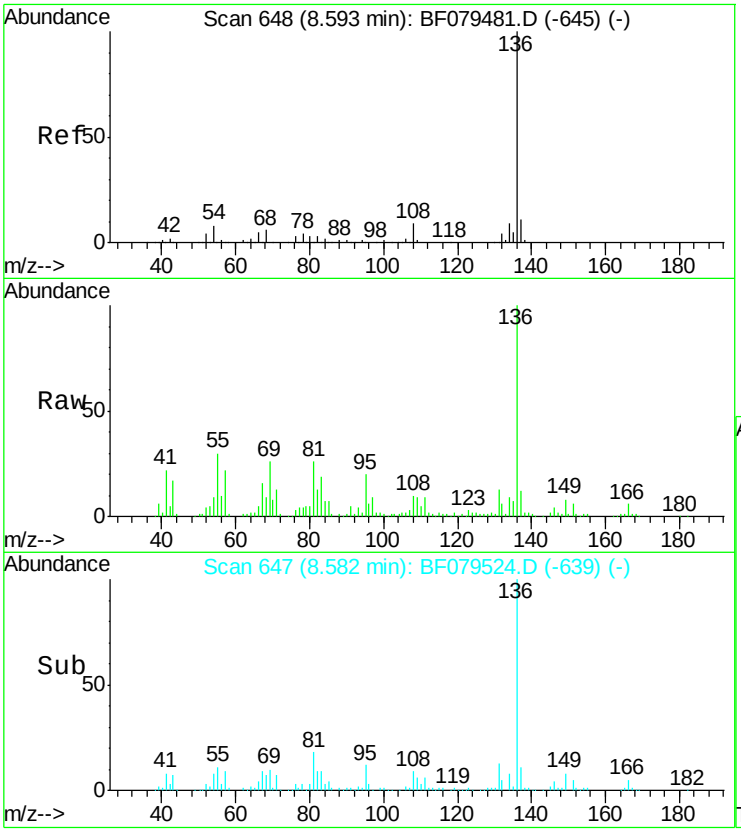




#19
n-Nitroso-di-n-propylamine
Concen: 3.57 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion: 70 Resp: 12350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.4 | 48.8 | 73.2# |
| 101 | 0.0 | 6.6 | 9.8# |
| 130 | 0.0 | 12.2 | 18.4# |



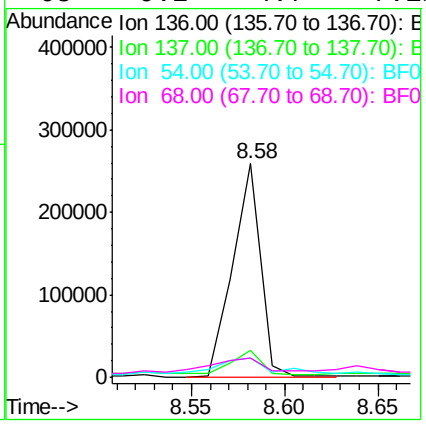


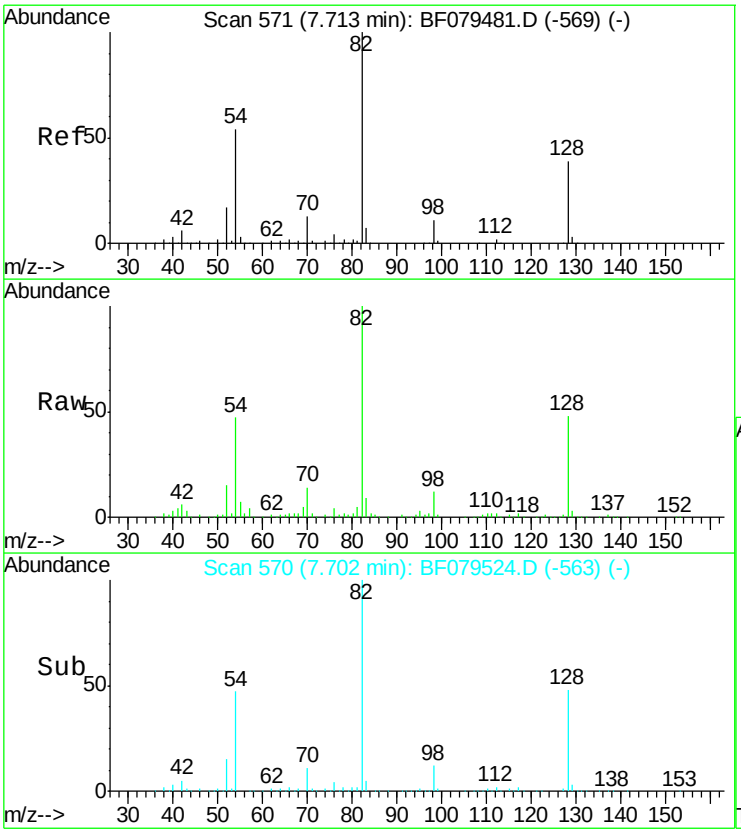

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:136 Resp: 271305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.5 | 8.5 | 12.7 |
| 54 | 9.3 | 6.6 | 9.8 |
| 68 | 9.2 | 4.7 | 7.1# |

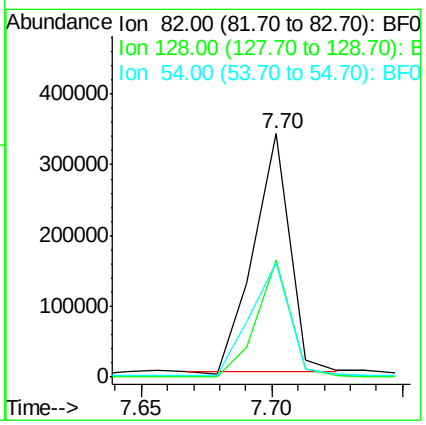


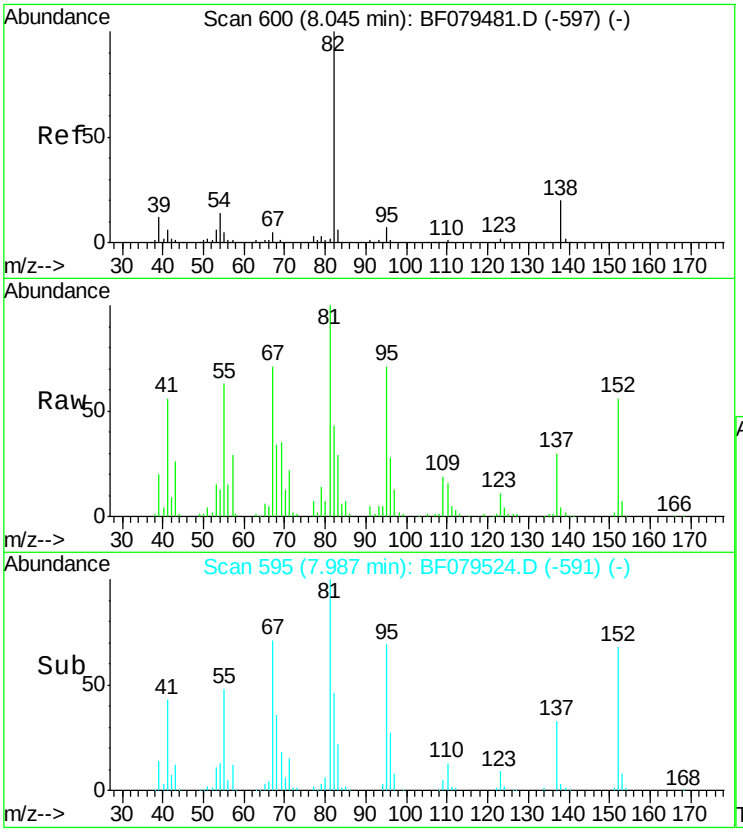




#23
Nitrobenzene-d5
Concen: 69.95 ng
RT: 7.70 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion: 82 Resp: 328311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.9 | 30.8 | 46.2# |
| 54 | 47.0 | 42.8 | 64.2 |



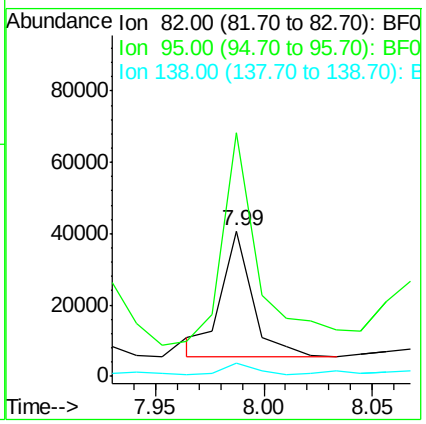


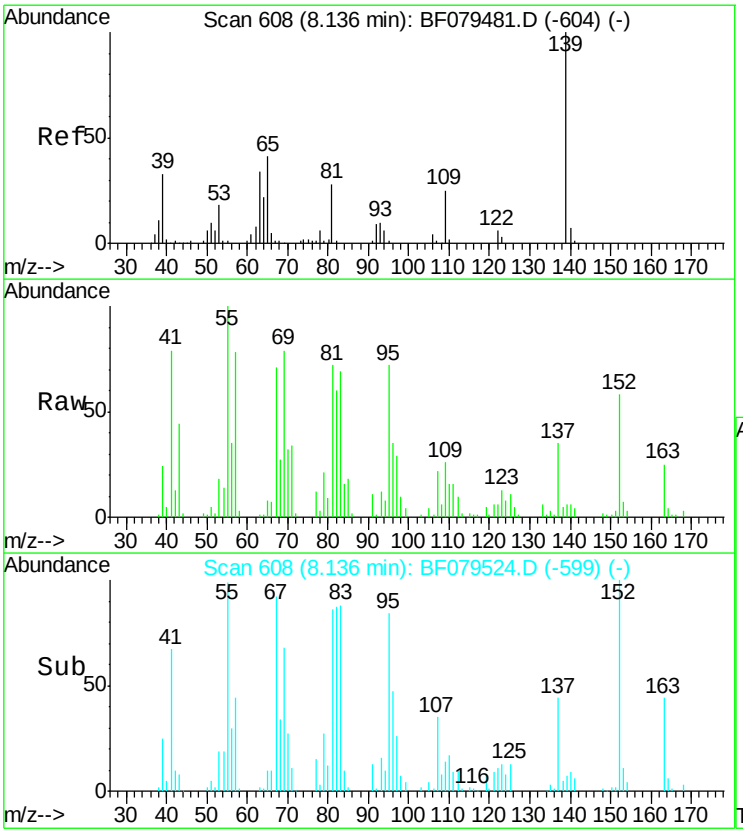

#25
Isophorone
Concen: 4.09 ng
RT: 7.99 min Scan# 595
Delta R.T. -0.03 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion: 82 Resp: 35002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 167.3 | 5.5 | 8.3# |
| 138 | 9.0 | 16.1 | 24.1# |

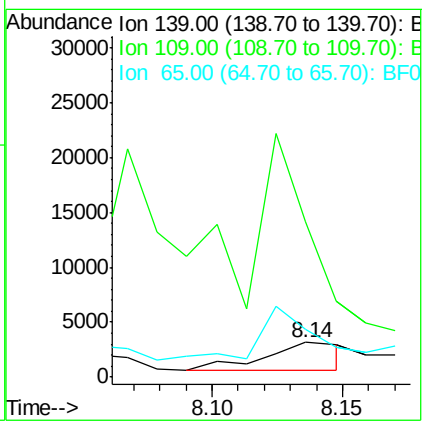


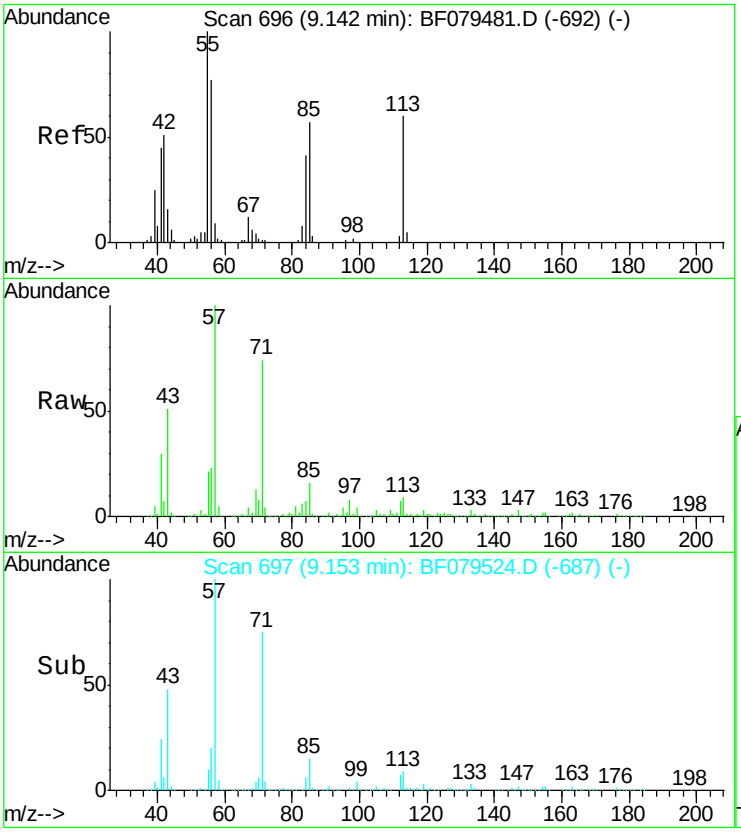




#26
2-Nitrophenol
Concen: 2.43 ng
RT: 8.14 min Scan# 608
Delta R.T. 0.02 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:139 Resp: 5320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 444.0 | 20.2 | 30.2# |
| 65 | 137.7 | 32.5 | 48.7# |



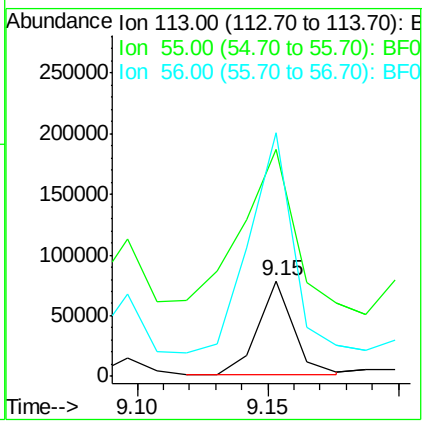


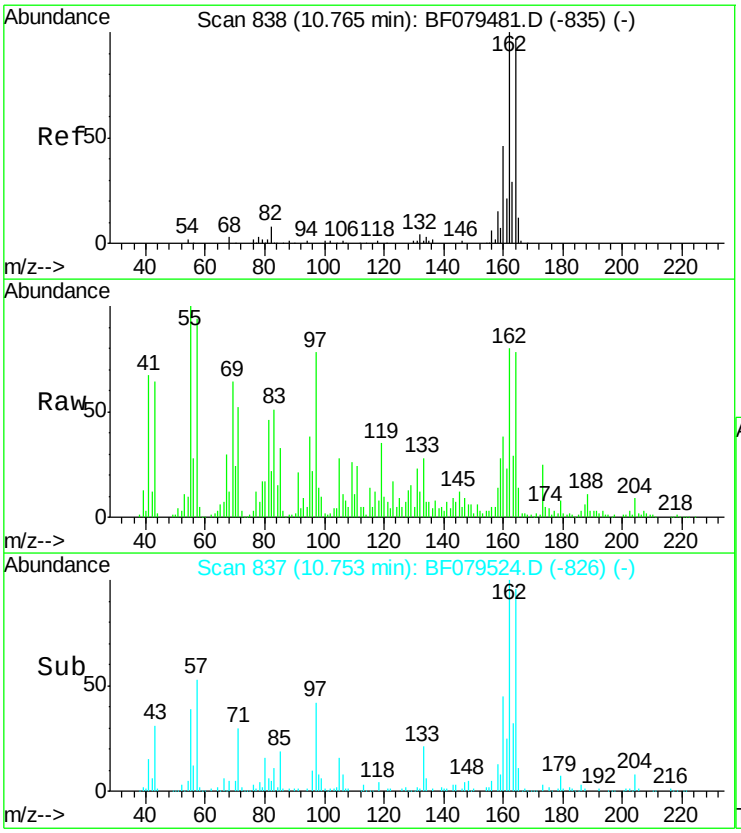

#35
Caprolactam
Concen: 64.70 ng
RT: 9.15 min Scan# 697
Delta R.T. 0.02 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:113 Resp: 73581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 237.2 | 147.2 | 187.2# |
| 56 | 254.9 | 108.6 | 148.6# |

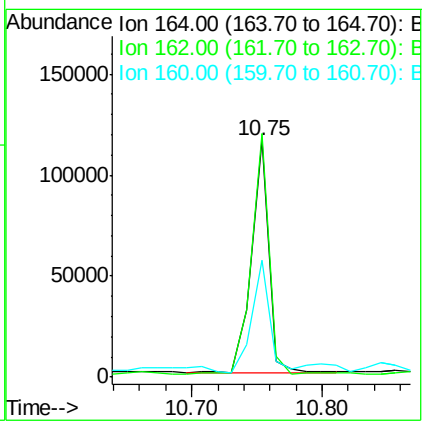


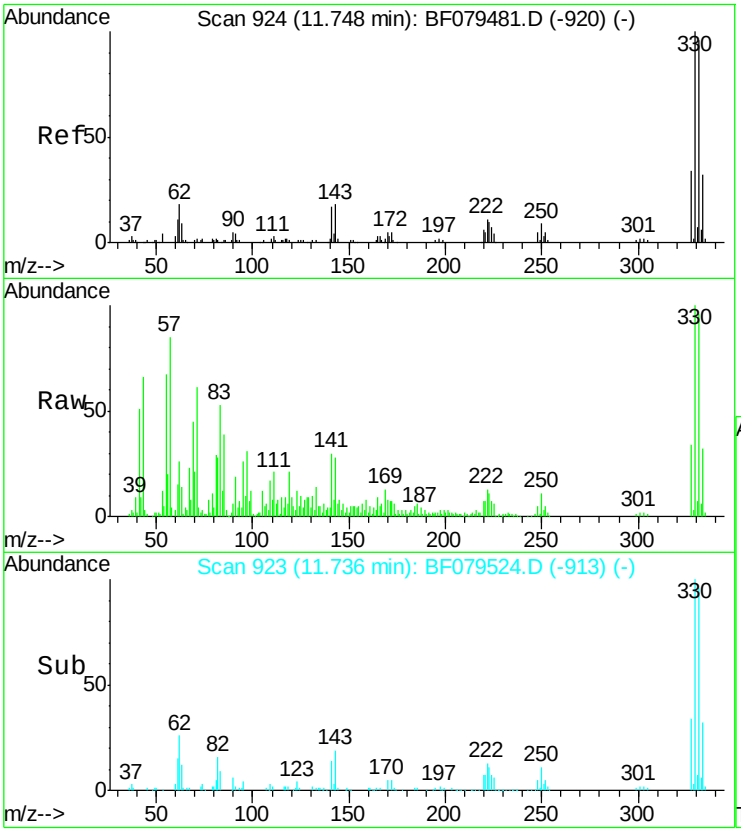




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:164 Resp: 105934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 82.6 | 124.0 |
| 160 | 49.5 | 37.7 | 56.5 |



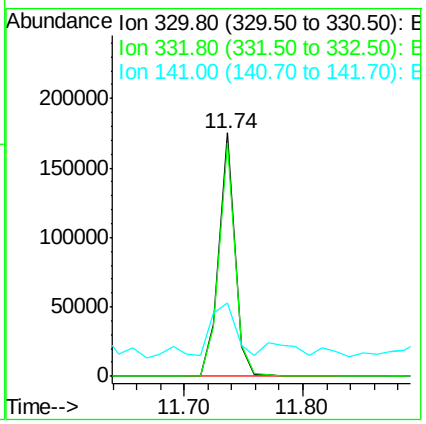


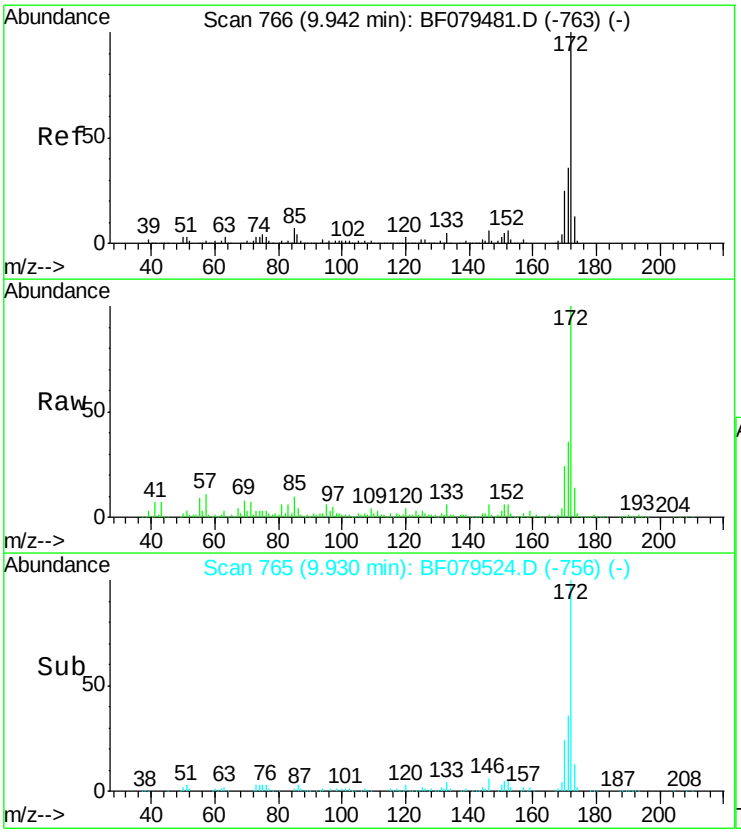

#41
2,4,6-Tribromophenol
Concen: 140.91 ng
RT: 11.74 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:330 Resp: 163951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 0.0 | 0.0# |
| 141 | 42.2 | 0.0 | 0.0# |

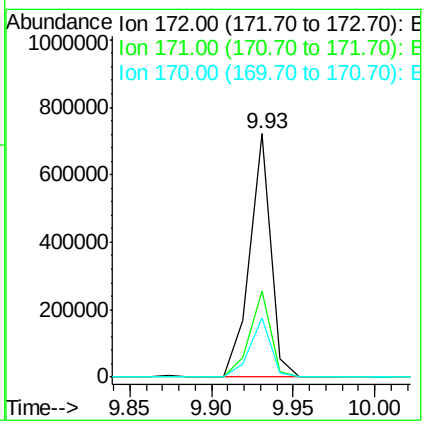


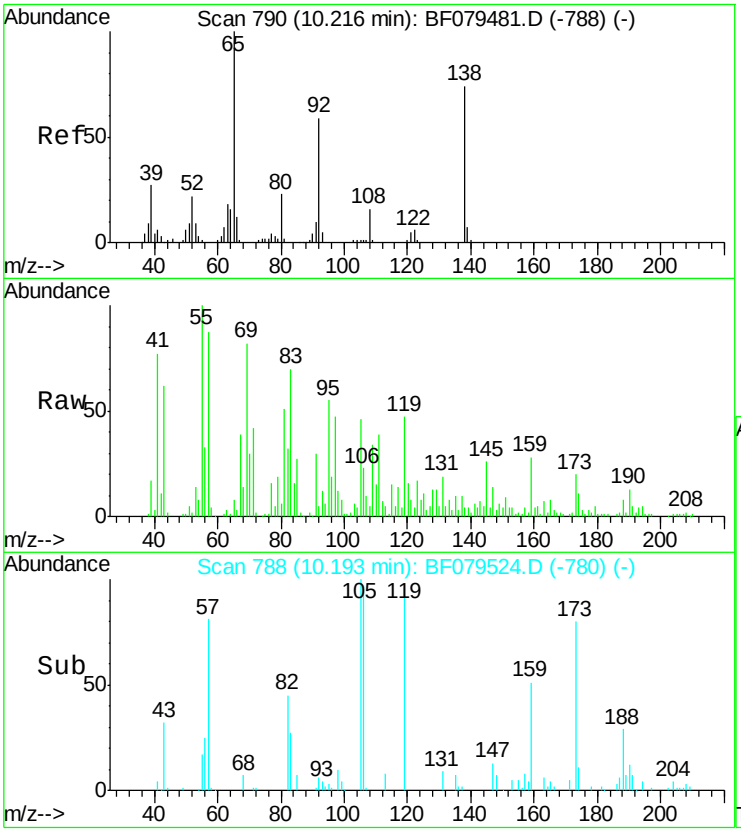




#44
2-Fluorobiphenyl
Concen: 87.15 ng
RT: 9.93 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:172 Resp: 647116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.5 | 42.7 |
| 170 | 24.1 | 19.7 | 29.5 |



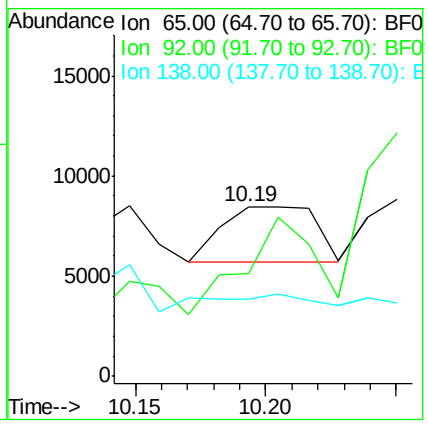


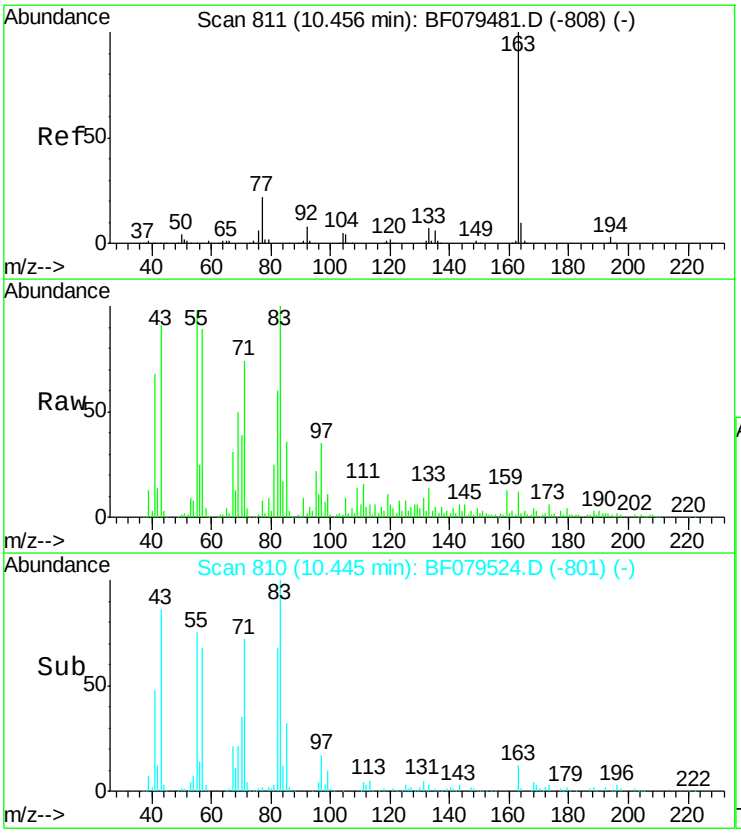

#47
2-Nitroaniline
Concen: 3.50 ng
RT: 10.19 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion: 65 Resp: 6791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.4 | 47.2 | 70.8 |
| 138 | 45.7 | 59.2 | 88.8# |

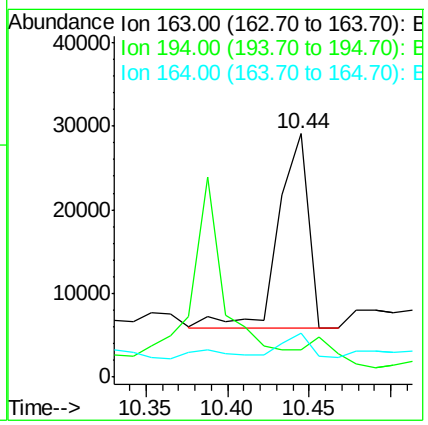


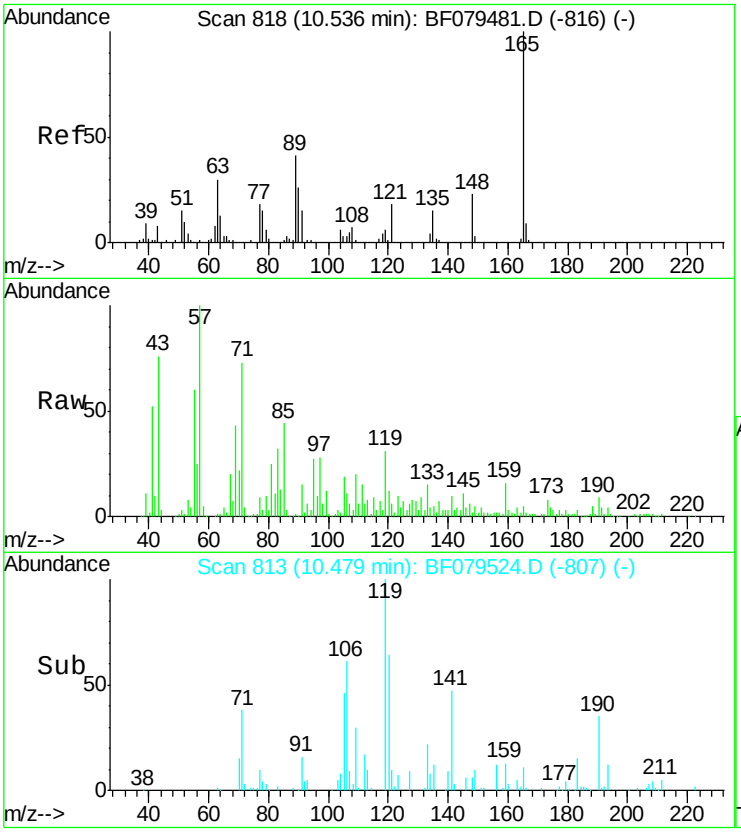




#49
Dimethylphthalate
Concen: 3.78 ng
RT: 10.44 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:163 Resp: 29530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 11.3 | 2.4 | 3.6# |
| 164 | 18.0 | 8.2 | 12.4# |



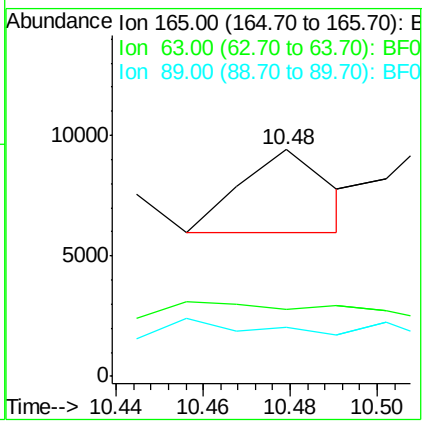


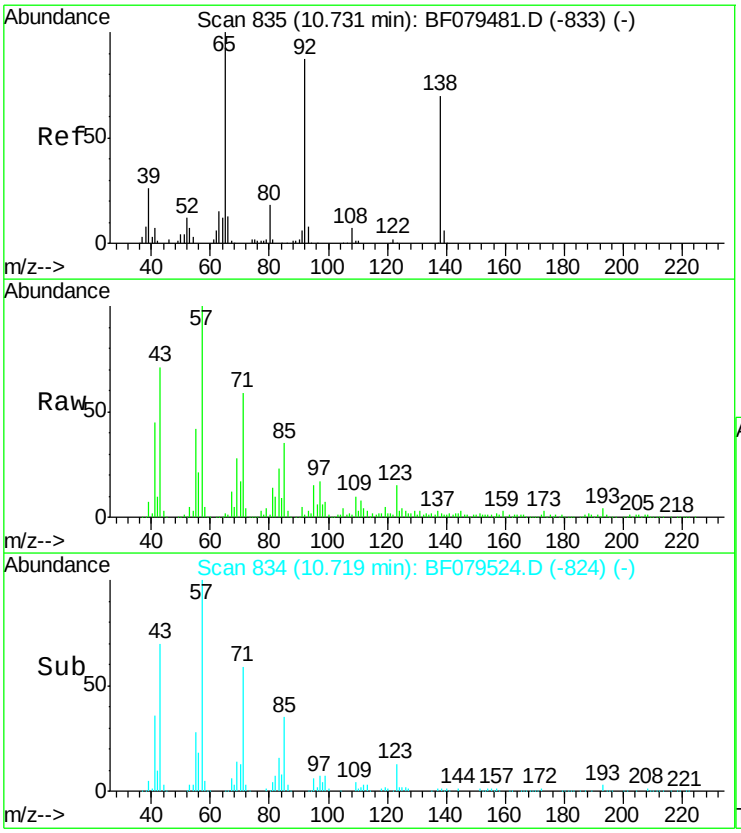

#50
2,6-Dinitrotoluene
Concen: 3.10 ng
RT: 10.48 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:165 Resp: 4837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 29.7 | 27.7 | 41.5 |
| 89 | 21.6 | 33.7 | 50.5# |

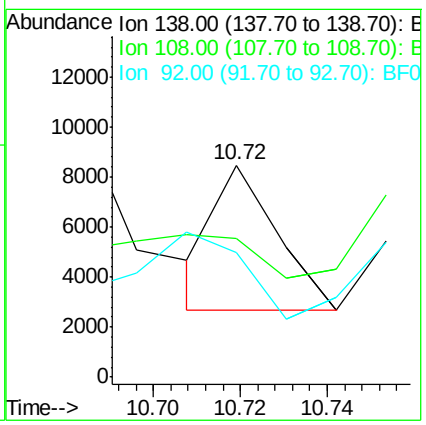


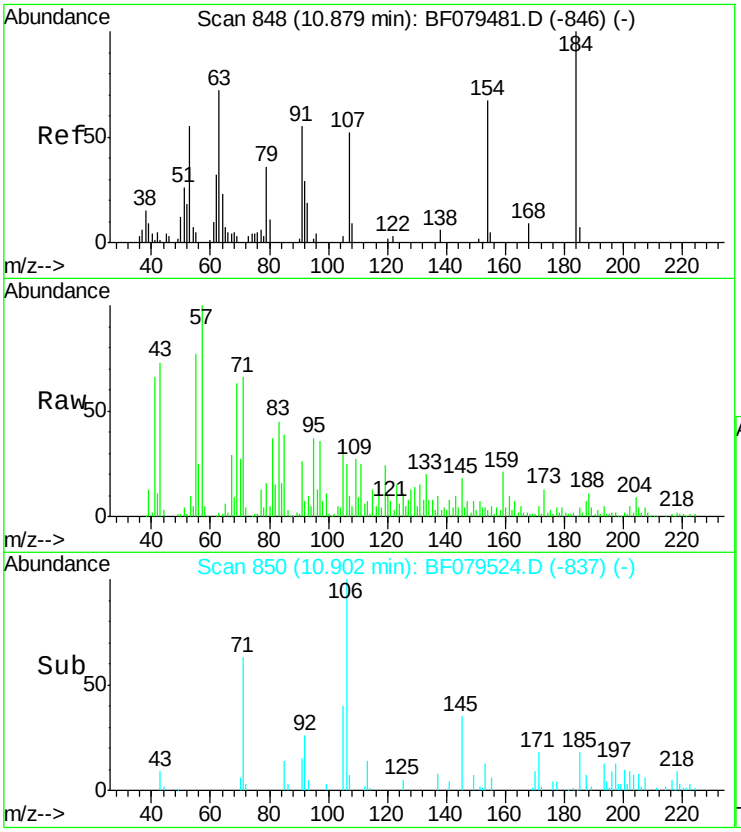




#52
3-Nitroaniline
Concen: 2.80 ng
RT: 10.72 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:138 Resp: 5681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 65.8 | 8.0 | 12.0# |
| 92 | 58.8 | 99.9 | 149.9# |



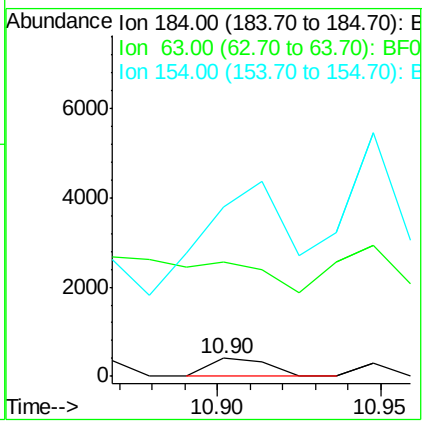


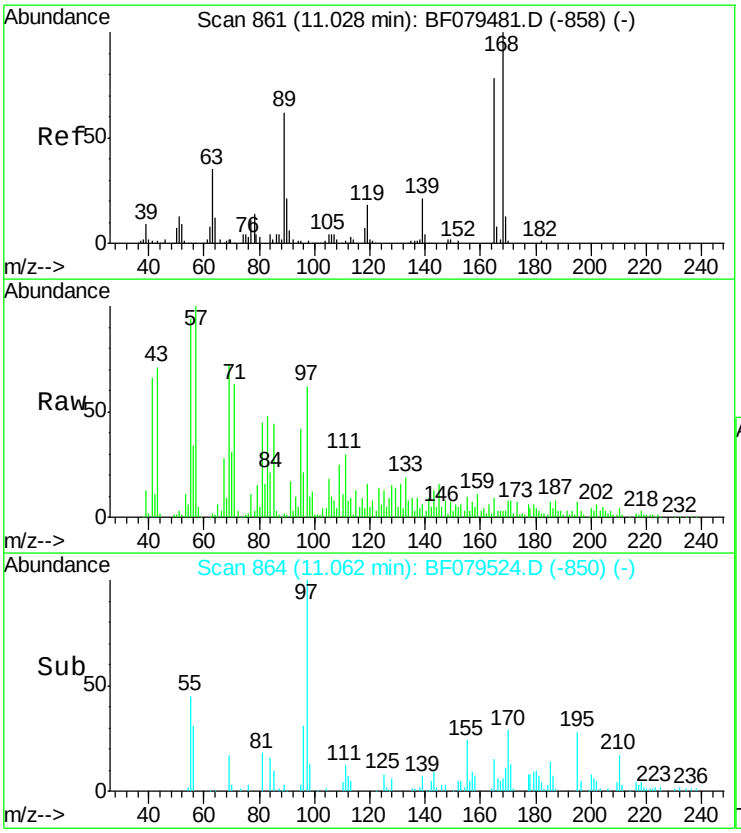

#53
2,4-Dinitrophenol
Concen: 6.58 ng
RT: 10.90 min Scan# 850
Delta R.T. 0.03 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:184 Resp: 505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 629.2 | 57.7 | 86.5# |
| 154 | 934.6 | 53.4 | 80.2# |

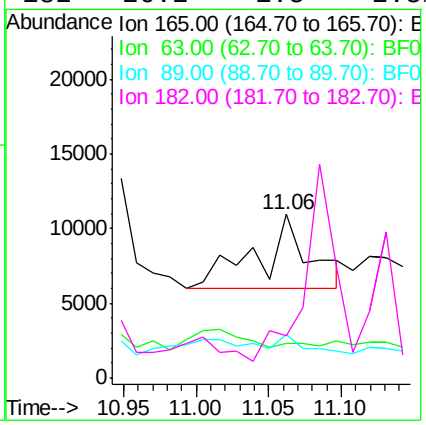


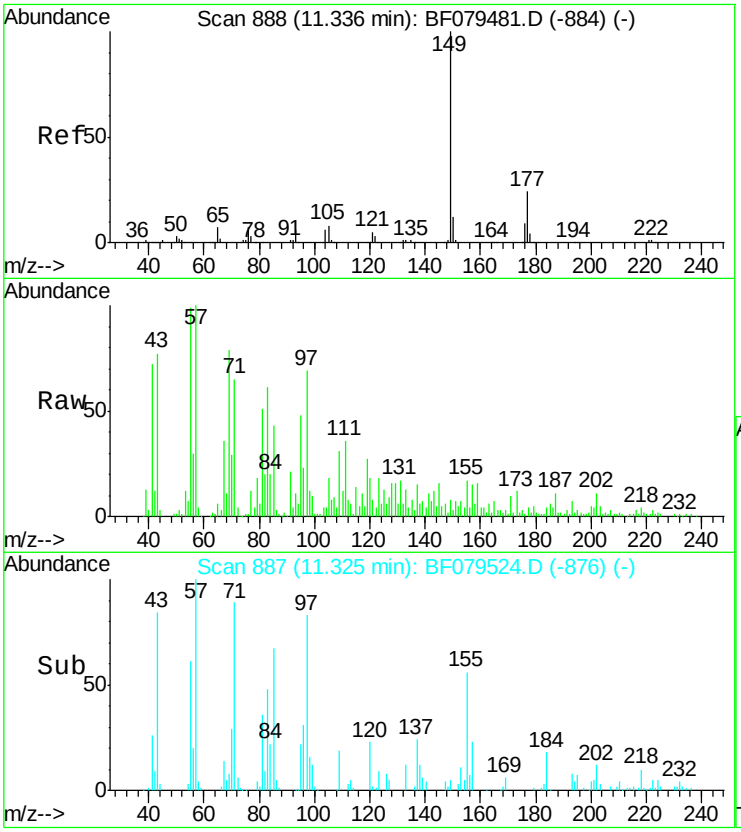




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 11.06 min Scan# 864
Delta R.T. 0.05 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:165 Resp: 12576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 21.0 | 39.5 | 59.3# |
| 89 | 26.8 | 64.2 | 96.4# |
| 182 | 26.2 | 1.5 | 2.3# |



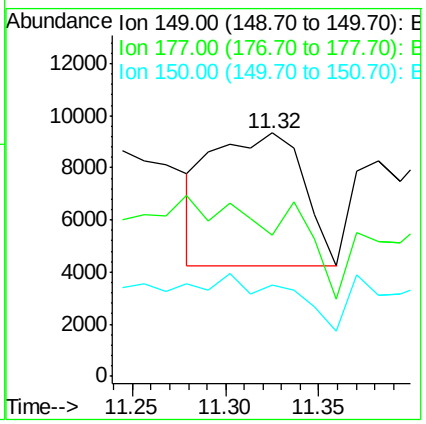


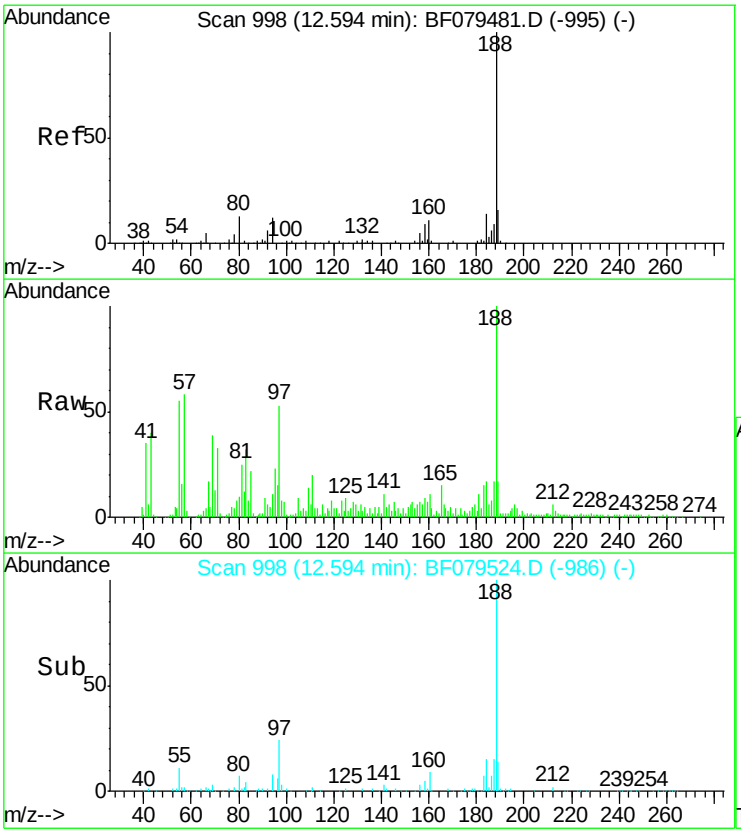

#59
Diethylphthalate
Concen: 2.27 ng
RT: 11.32 min Scan# 887
Delta R.T. 0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:149 Resp: 17330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 58.3 | 18.9 | 28.3# |
| 150 | 37.3 | 9.8 | 14.6# |

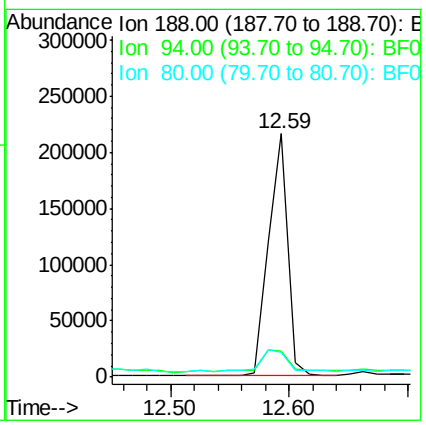


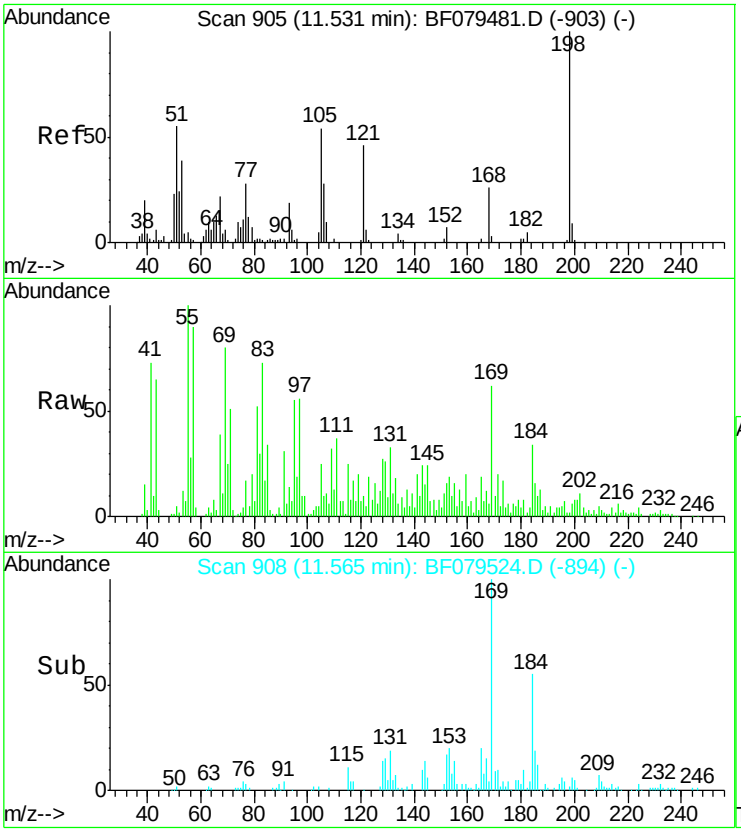




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 998
Delta R.T. 0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:188 Resp: 243172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 9.8 | 14.6 |
| 80 | 10.2 | 10.5 | 15.7# |



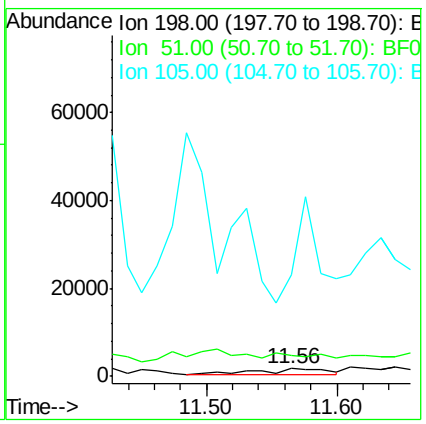


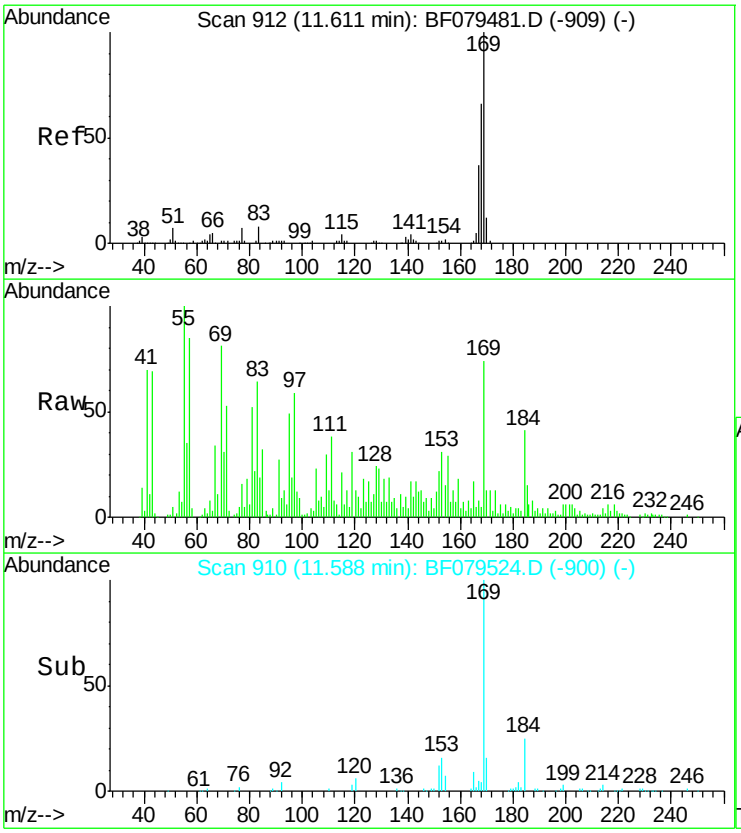

#64
4,6-Dinitro-2-methylphenol
Concen: 9.90 ng
RT: 11.56 min Scan# 908
Delta R.T. 0.05 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:198 Resp: 4181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 276.5 | 36.0 | 76.0# |
| 105 | 1316.3 | 34.1 | 74.1# |

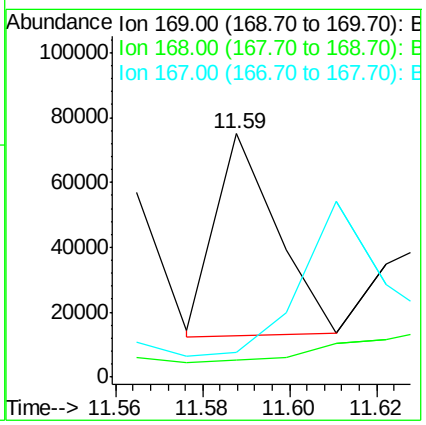


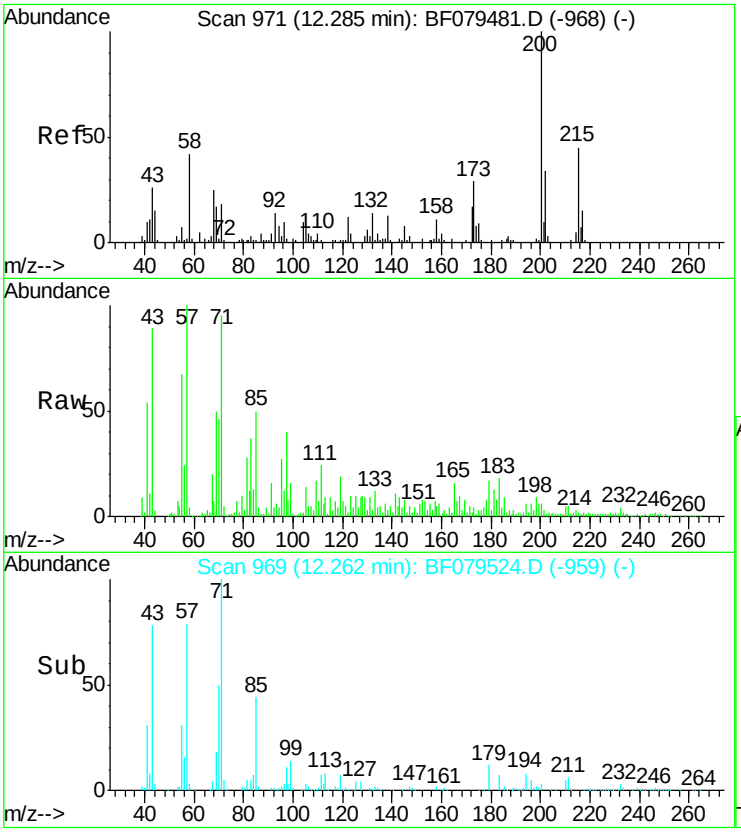




#65
n-Nitrosodiphenylamine
Concen: 7.57 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:169 Resp: 61177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 7.2 | 53.1 | 79.7# |
| 167 | 10.3 | 29.9 | 44.9# |



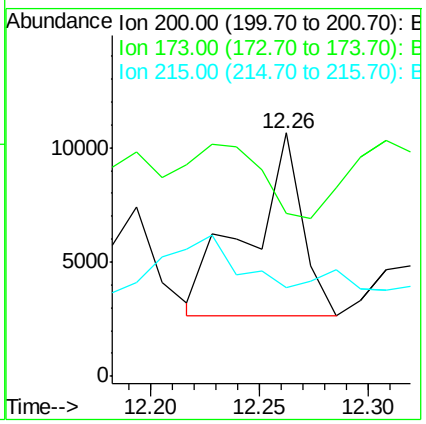


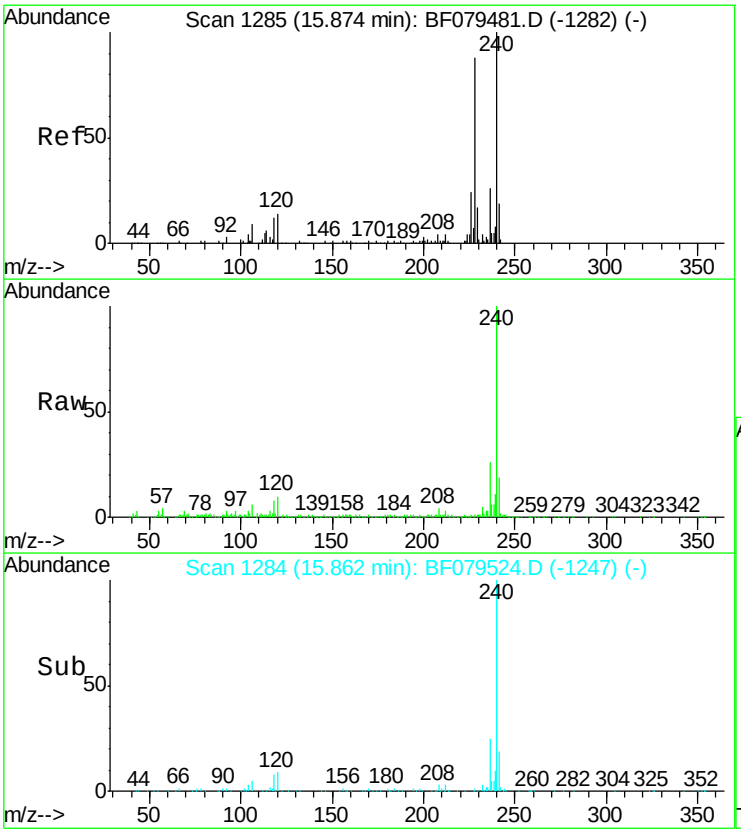

#68
Atrazine
Concen: 6.31 ng
RT: 12.26 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:200 Resp: 13773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 66.8 | 9.4 | 49.4# |
| 215 | 36.6 | 25.3 | 65.3 |

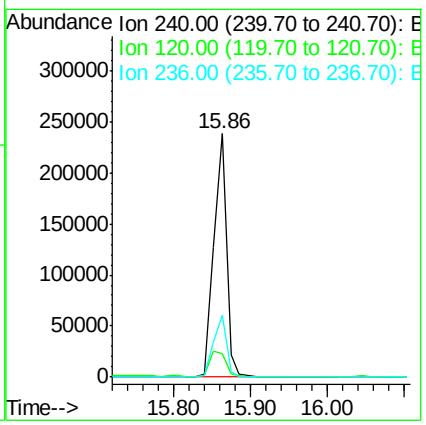


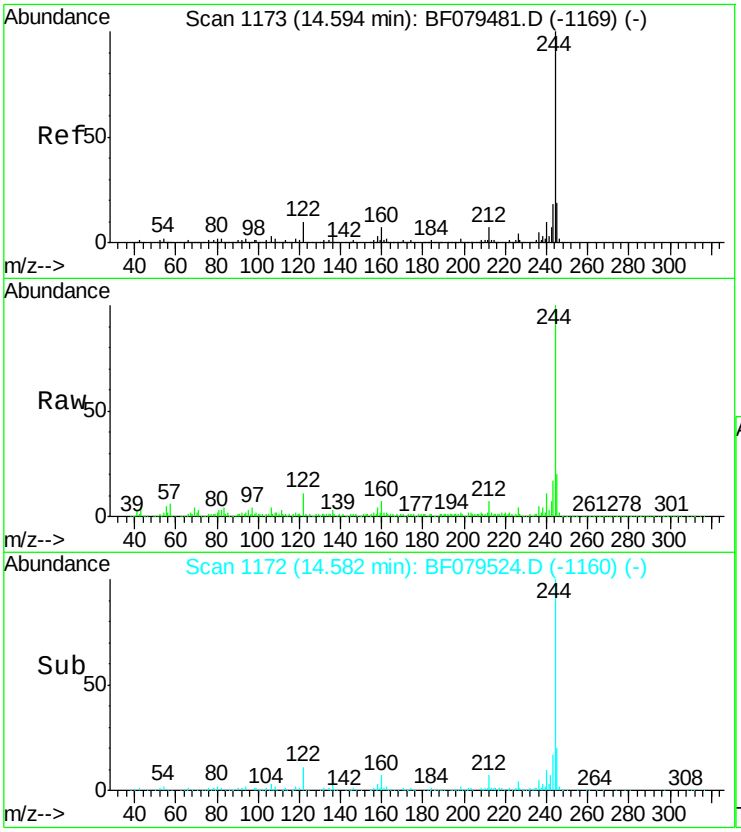




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.86 min Scan# 1284
Delta R.T. -0.08 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:240 Resp: 271125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 10.8 | 16.2# |
| 236 | 25.6 | 21.0 | 31.6 |



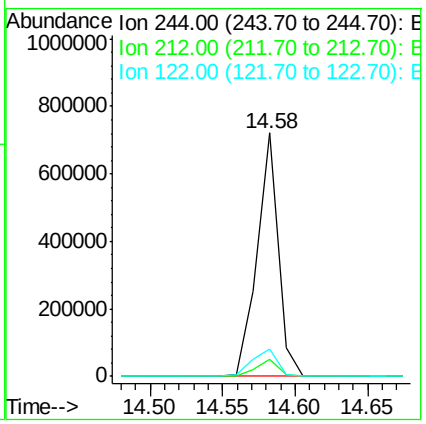


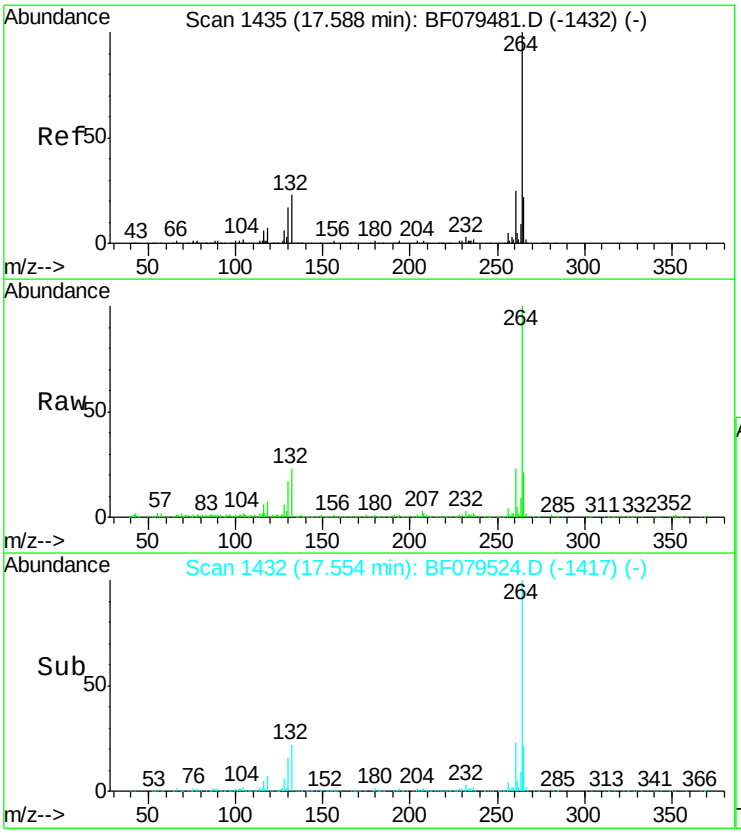

#78
Terphenyl-d14
Concen: 63.33 ng
RT: 14.58 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

**Instrument :**
BNA_F
**ClientSampleId :**
PX4

Tgt Ion:244 Resp: 731667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.2 | 7.8 |
| 122 | 11.3 | 8.0 | 12.0 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.33 min
Lab File: BF079524.D
Acq: 27 May 2015 18:02

Tgt Ion:264 Resp: 285153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.8 | 29.8 |
| 265 | 20.9 | 17.8 | 26.6 |