Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092915\
Data File : BF081901.D
Acq On : 30 Sep 2015 7:00
Operator : UM/IZ
Sample : G3805-01DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SYSDIS-092315DL

Quant Time: Sep 30 08:02:48 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 143116 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.21 | 136 | 583670 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.97 | 164 | 308563 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.45 | 188 | 662889 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.09 | 240 | 655149 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.57 | 264 | 571760 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng | | |
| 7) Phenol-d6 | 6.62 | 99 | 4245 | 0.43 | ng | | 0.06 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 95111 | 10.86 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 20211 | 6.47 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.28 | 172 | 246999 | 10.65 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.04 | 244 | 321855 | 11.35 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 6) Aniline | 6.65 | 93 | 9174312 | 688.35 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.72 | 128 | 19459 | 2.24 | ng | # | 70 |
| 9) Benzaldehyde | 6.65 | 77 | 126962 | 19.54 | ng | # | 1 |
| 10) Phenol | 6.64 | 94 | 741546 | 66.64 | ng | # | 1 |
| 11) bis(2-Chloroethyl)ether | 6.65 | 93 | 9221104 | 1068.49 | ng | # | 21 |
| 12) 1,3-Dichlorobenzene | 6.87 | 146 | 25130 | 2.44 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 133693 | 12.45 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 755620 | 78.97 | ng | | 96 |
| 18) Hexachloroethane | 7.61 | 117 | 68505 | 20.38 | ng | # | 1 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 45514 | 5.11 | ng | # | 43 |
| 24) Nitrobenzene | 7.51 | 77 | 611407 | 64.31 | ng | # | 69 |
| 32) Benzoic acid | 8.06 | 122 | 2539 | 7.79 | ng | # | 1 |
| 47) 2-Nitroaniline | 9.50 | 65 | 11412 | 2.08 | ng | # | 1 |
| 50) 2,6-Dinitrotoluene | 9.97 | 165 | 38230 | 8.27 | ng | # | 39 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 38876 | 6.59 | ng | # | 34 |
| 57) Fluorene | 10.49 | 166 | 750 | Below Cal | | # | 1 |
| 70) Phenanthrene | 11.47 | 178 | 437 | Below Cal | | # | 62 |
| 73) Di-n-butylphthalate | 12.01 | 149 | 3136 | Below Cal | | # | 97 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092915\
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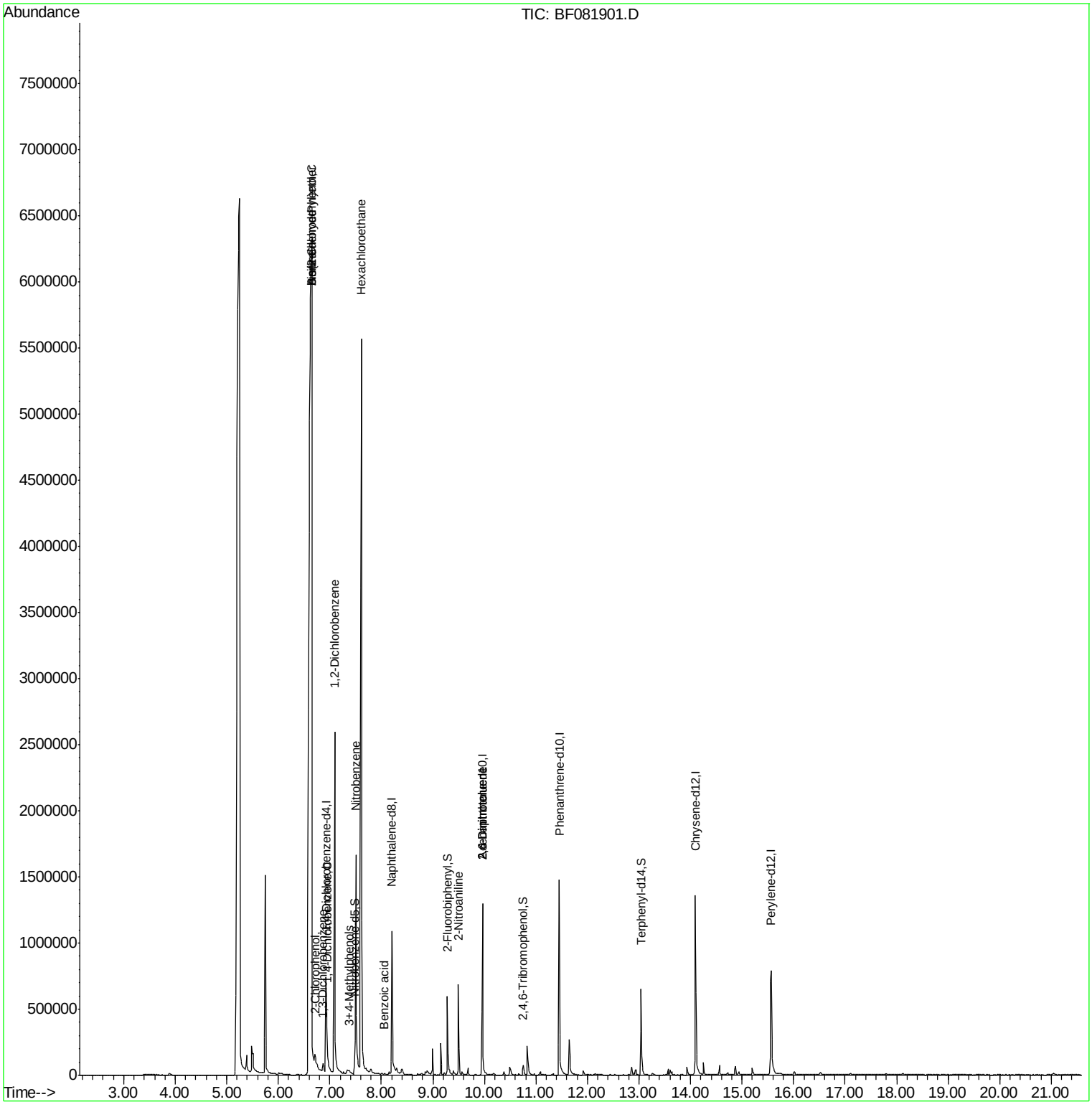
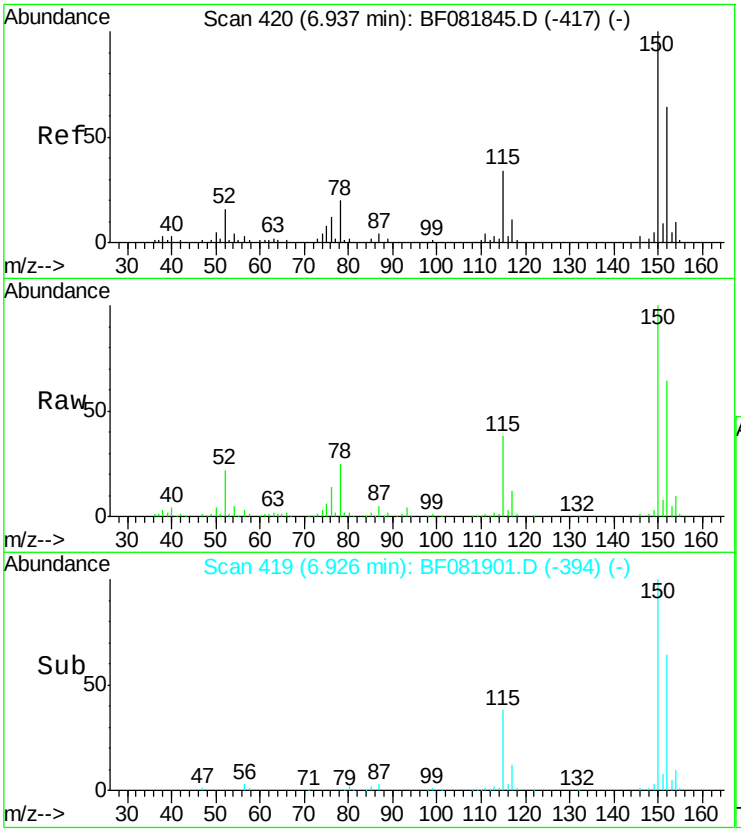
Acq On : 30 Sep 2015 7:00
Operator : UM/IZ
Sample : G3805-01DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Quant Time: Sep 30 08:02:48 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration



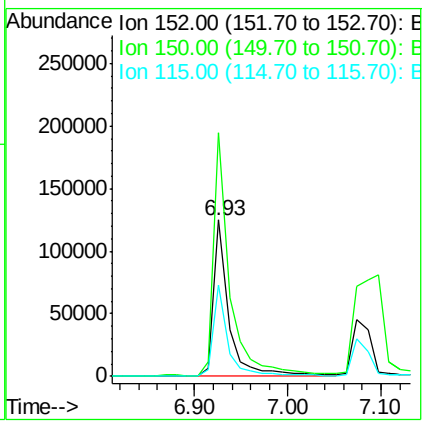


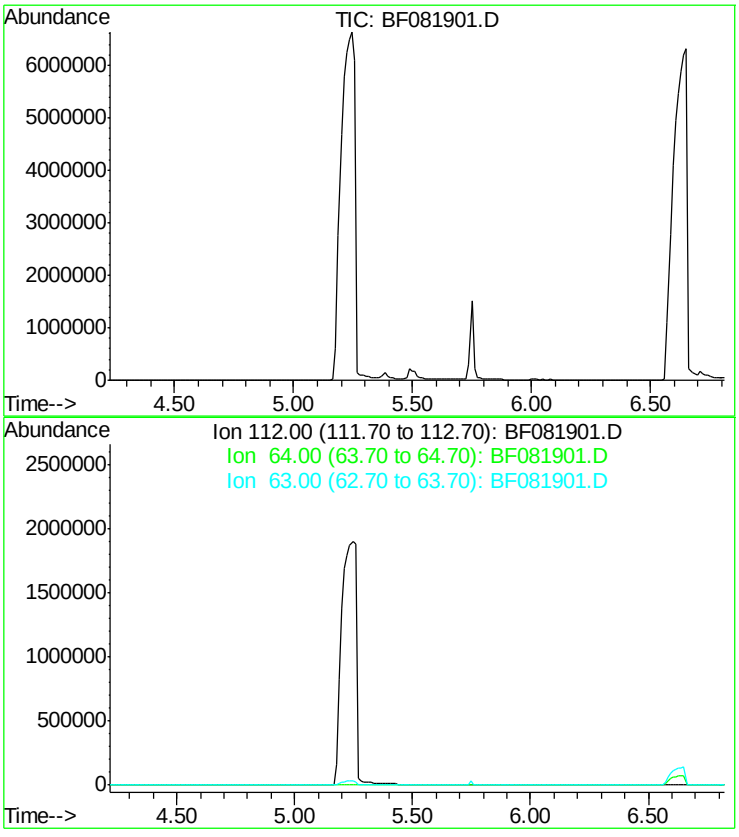

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:152 Resp: 143116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 124.7 | 187.1 |
| 115 | 58.7 | 39.0 | 58.4# |



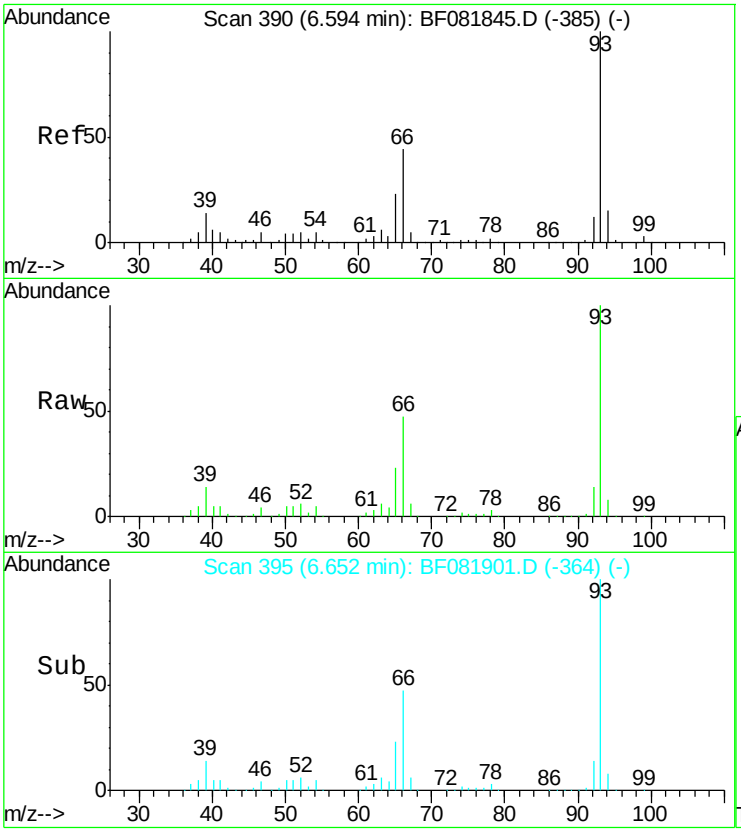




#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.52 min

Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 49.6 |
| 63 | 21.7 |

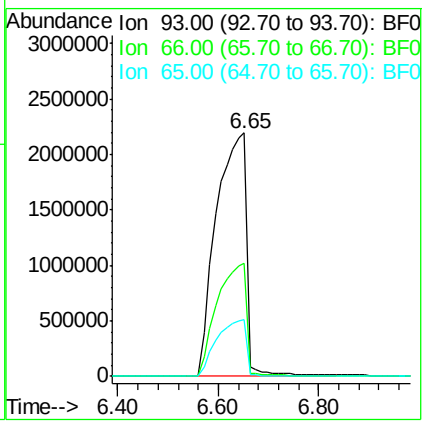


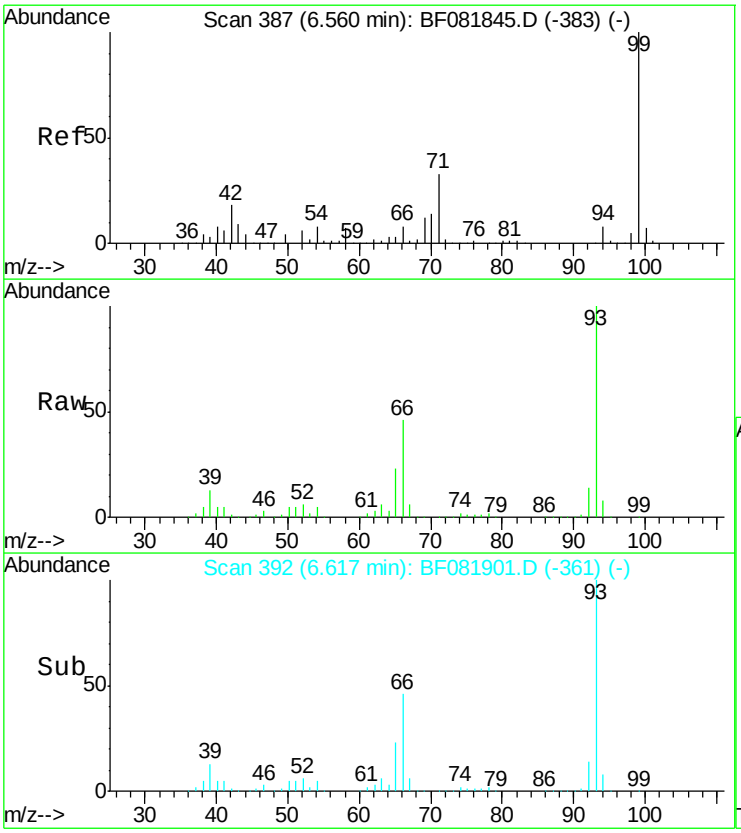

#6
Aniline
Concen: 688.35 ng
RT: 6.65 min Scan# 395
Delta R.T. 0.06 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion: 93 Resp: 9174312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 46.6 | 27.2 | 40.8# |
| 65 | 23.1 | 14.7 | 22.1# |

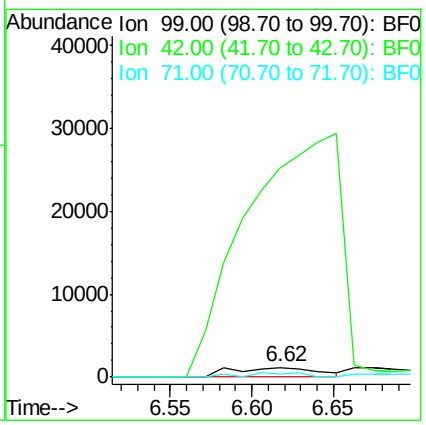


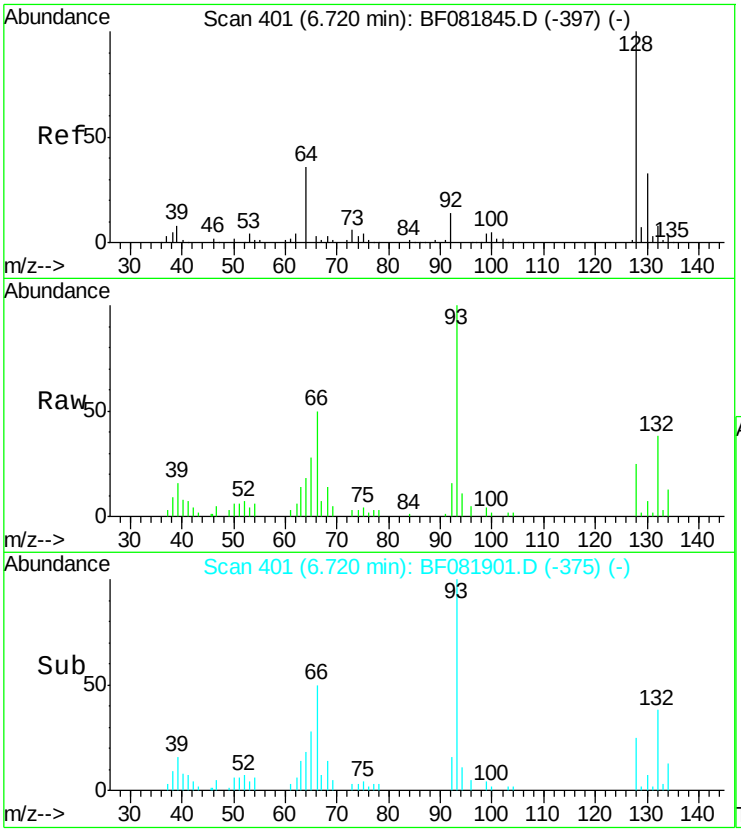




#7
Phenol-d6
Concen: 0.43 ng
RT: 6.62 min Scan# 392
Delta R.T. 0.06 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion: 99 Resp: 4245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 2118.4 | 13.7 | 20.5# |
| 71 | 36.1 | 14.2 | 21.2# |



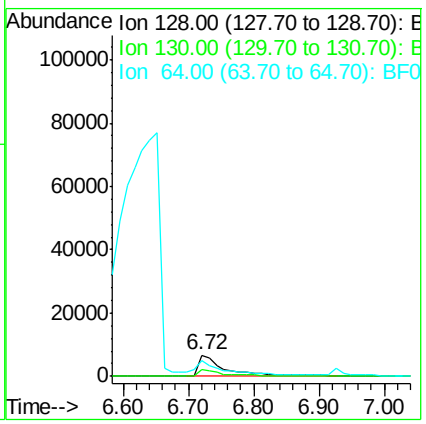


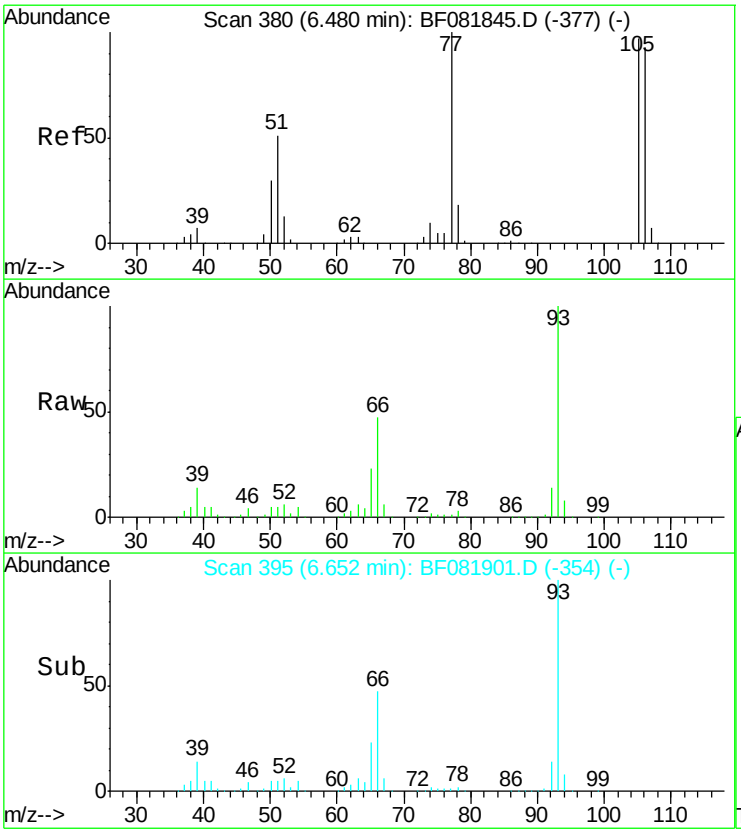

#8
2-Chlorophenol
Concen: 2.24 ng
RT: 6.72 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:128 Resp: 19459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 29.5 | 12.2 | 52.2 |
| 64 | 71.7 | 20.5 | 60.5# |

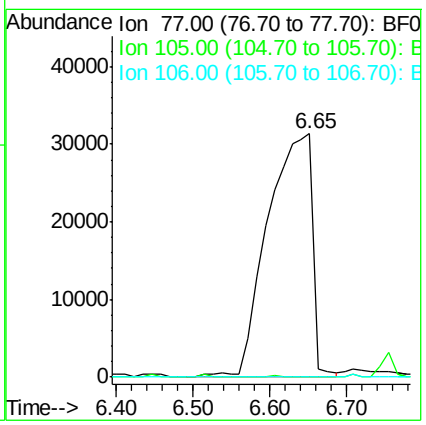


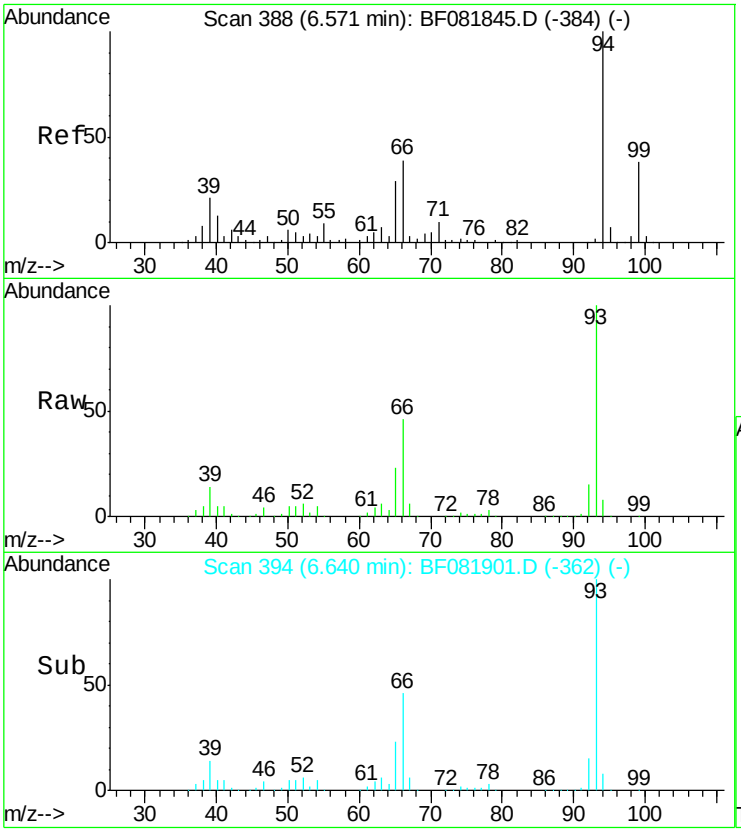




#9
Benzaldehyde
Concen: 19.54 ng
RT: 6.65 min Scan# 395
Delta R.T. 0.17 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion: 77 Resp: 126962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 91.6 | 131.6# |
| 106 | 0.0 | 102.6 | 142.6# |



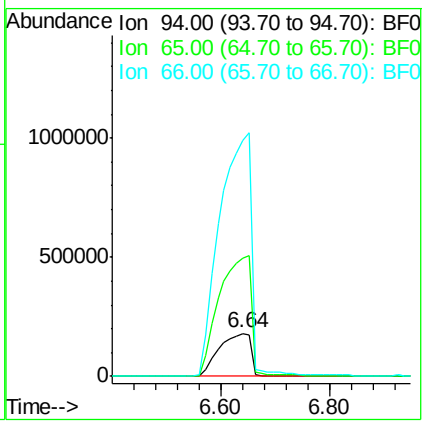


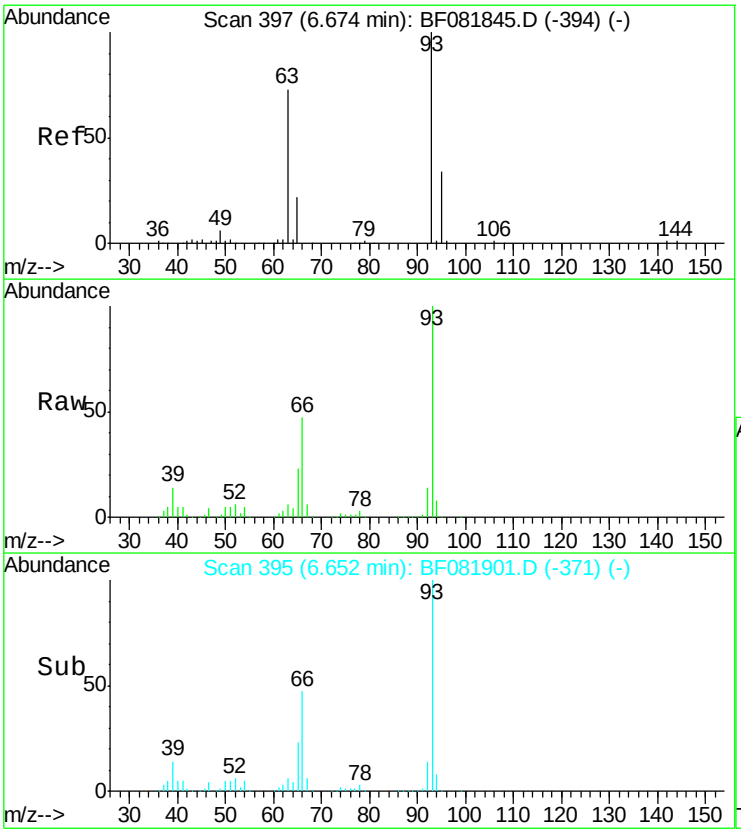

#10
Phenol
Concen:  66.64 ng
RT: 6.64 min  Scan# 394
Delta R.T.  0.07 min
Lab File:  BF081901.D
Acq: 30 Sep 2015  7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion: 94 Resp:  741546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 274.9 | 0.7 | 40.7# |
| 66 | 551.2 | 0.8 | 40.8# |

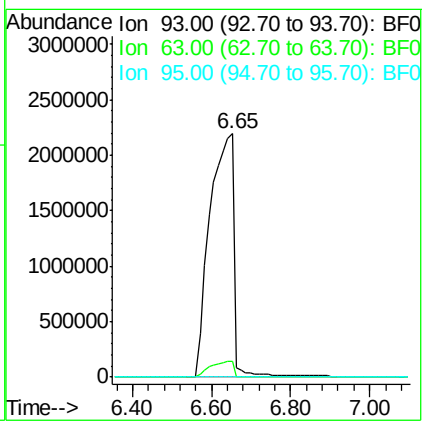


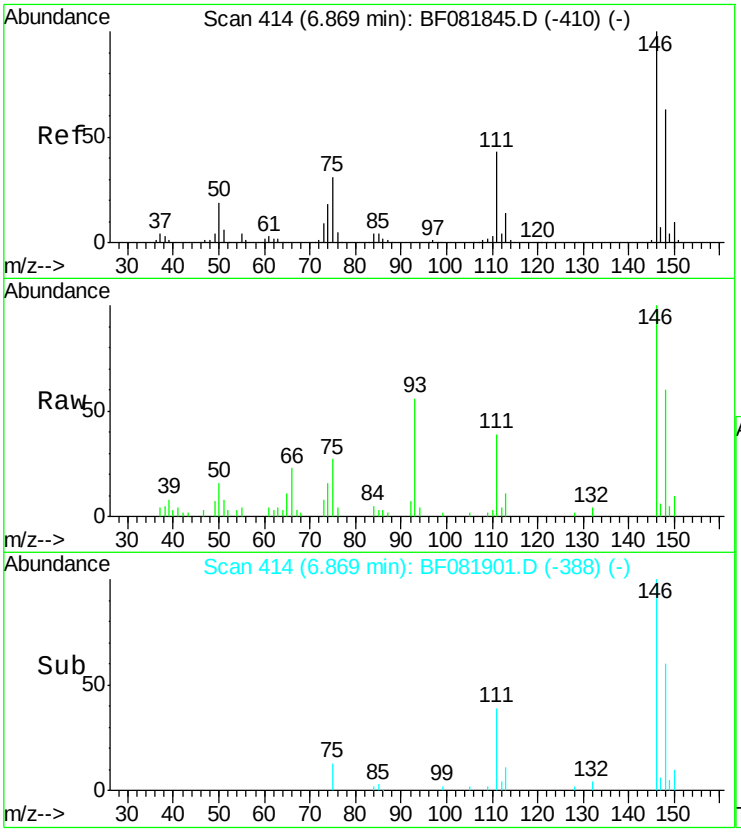




#11
bis(2-Chloroethyl)ether
Concen: 1068.49 ng
RT: 6.65 min  Scan# 395
Delta R.T.  -0.02 min
Lab File:  BF081901.D
Acq: 30 Sep 2015  7:00

Tgt Ion: 93 Resp: 9221104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 6.4 | 65.6 | 105.6# |
| 95 | 0.2 | 13.6 | 53.6# |



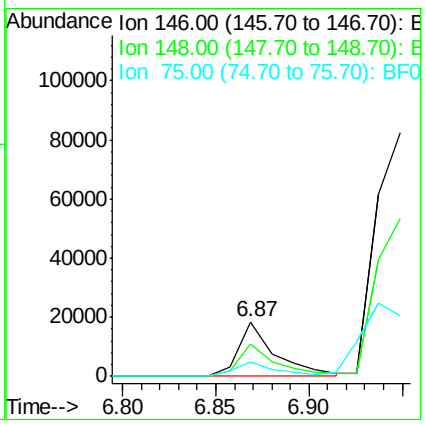


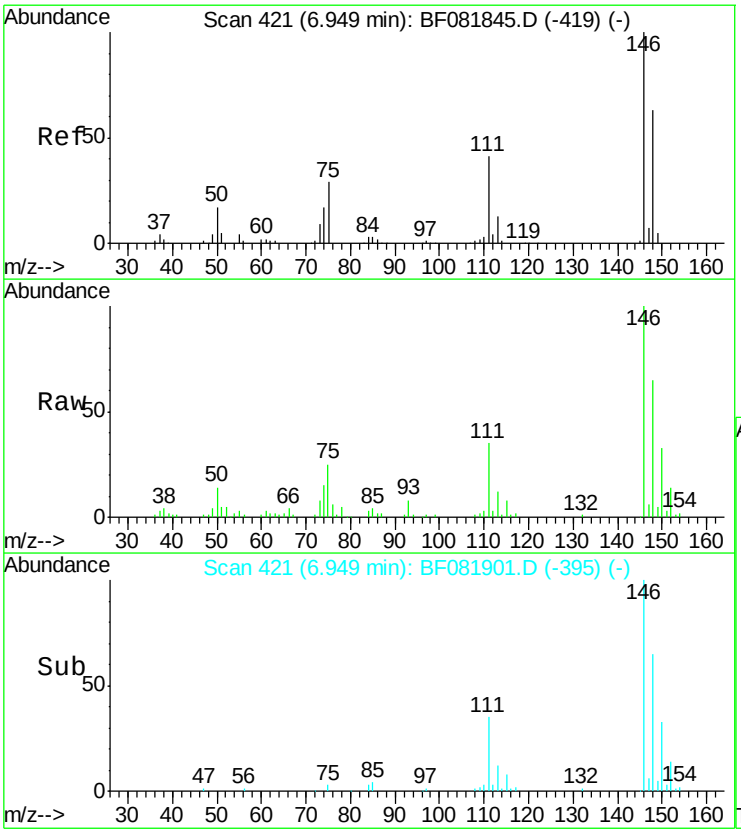

#12
1,3-Dichlorobenzene
Concen: 2.44 ng
RT: 6.87 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:146 Resp: 25130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 60.1 | 51.0 | 76.4 |
| 75 | 27.2 | 15.0 | 22.6# |

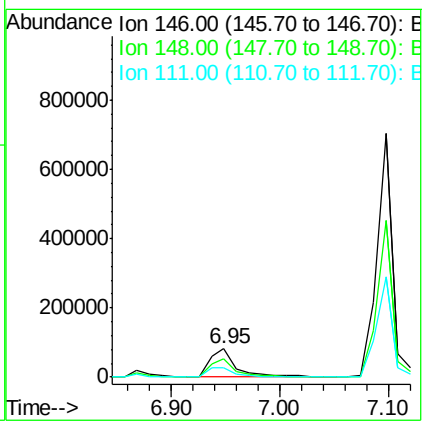


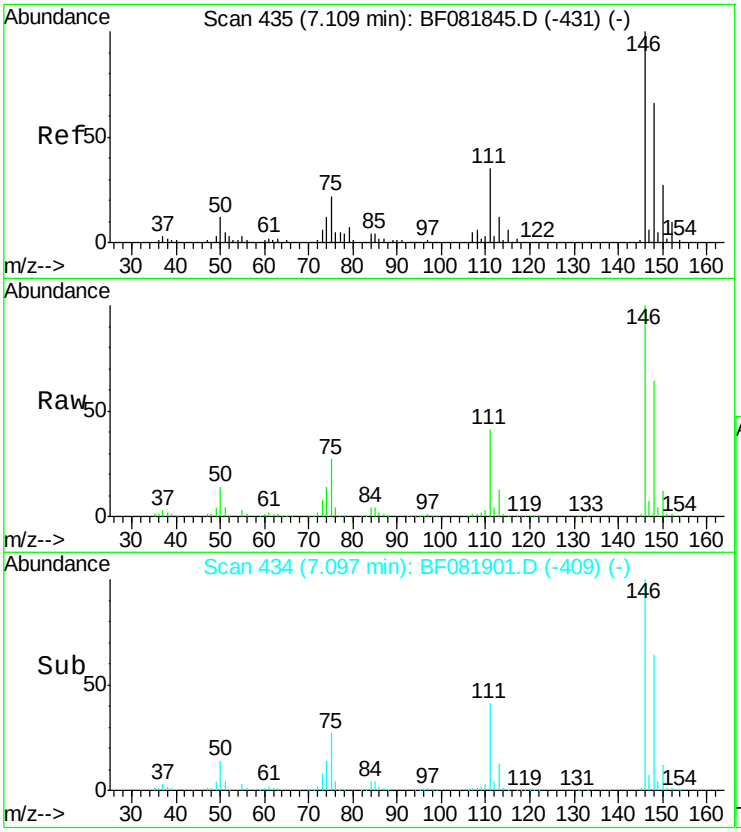




#13
1,4-Dichlorobenzene
Concen: 12.45 ng
RT: 6.95 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:146 Resp: 133693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.8 | 77.6 |
| 111 | 35.1 | 24.9 | 37.3 |



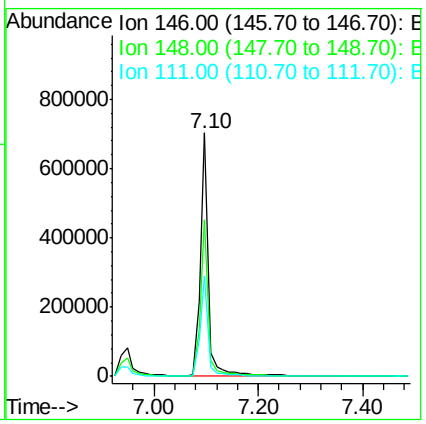


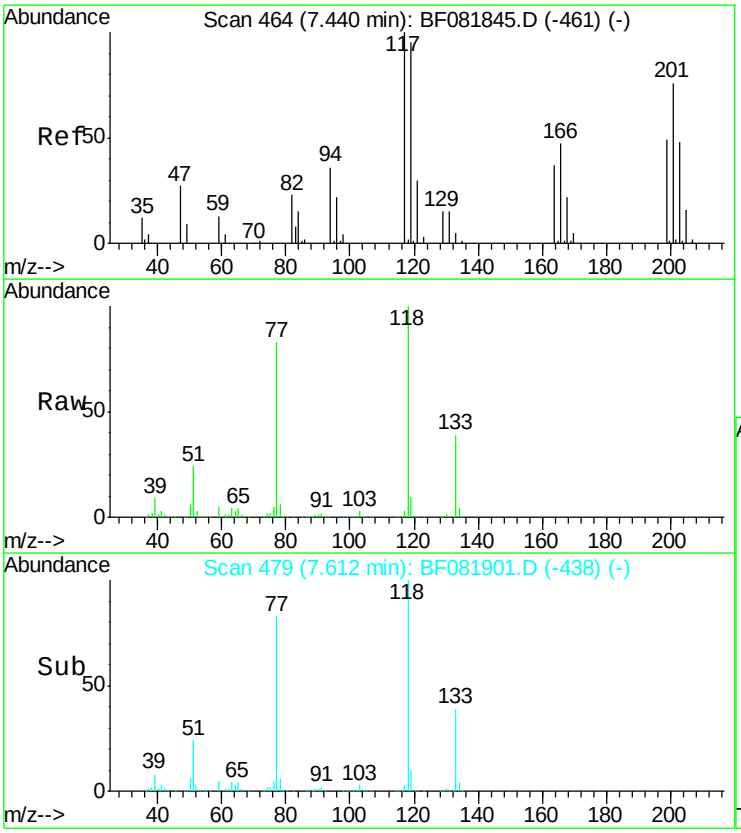

#14
1,2-Dichlorobenzene
Concen: 78.97 ng
RT: 7.10 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:146 Resp: 755620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 52.7 | 79.1 |
| 111 | 40.9 | 28.8 | 43.2 |

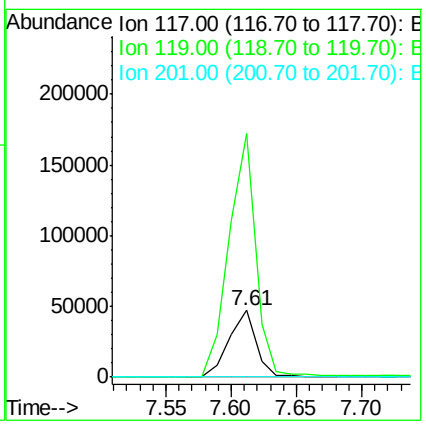


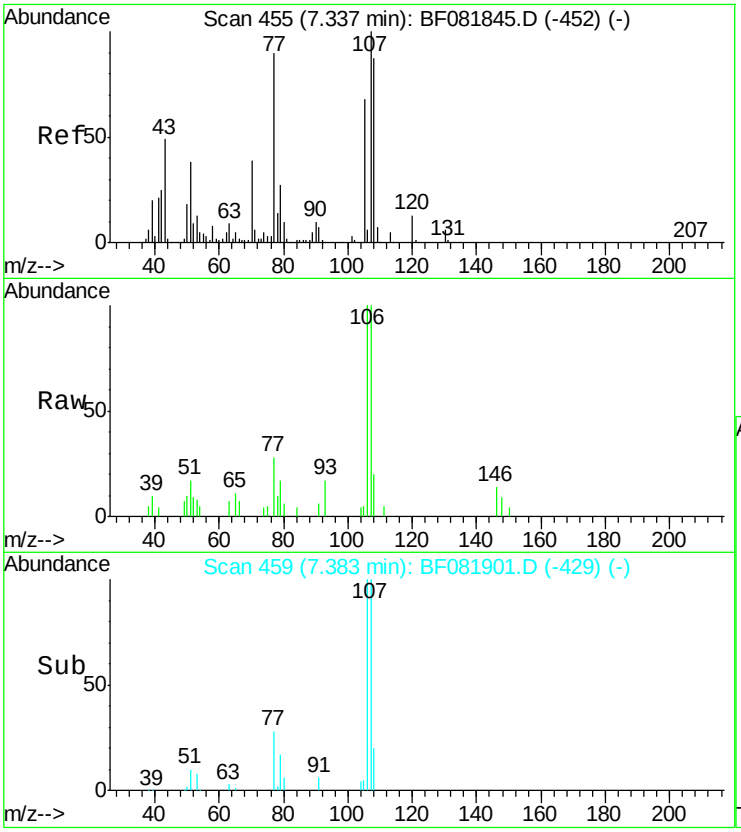




#18
Hexachloroethane
Concen: 20.38 ng
RT: 7.61 min Scan# 479
Delta R.T. 0.17 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:117 Resp: 68505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 364.4 | 83.8 | 125.6# |
| 201 | 0.0 | 55.1 | 82.7# |



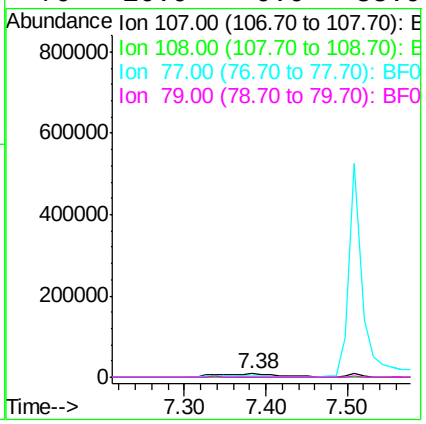


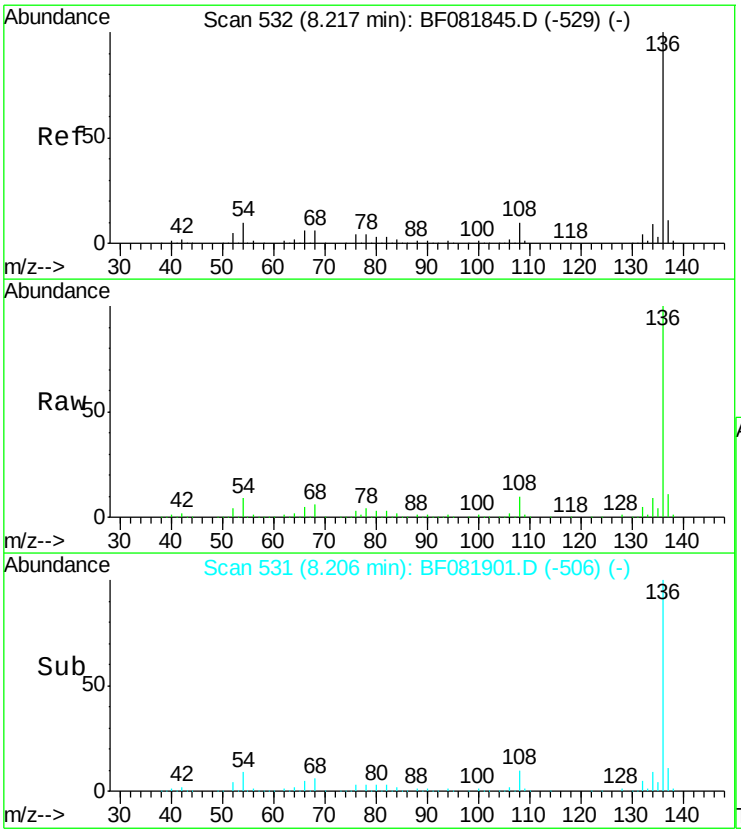

#20
3+4-Methylphenols
Concen: 5.11 ng
RT: 7.38 min Scan# 459
Delta R.T. 0.05 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:107 Resp: 45514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 20.2 | 74.6 | 114.6# |
| 77 | 28.0 | 0.7 | 40.7 |
| 79 | 16.9 | 0.0 | 38.9 |

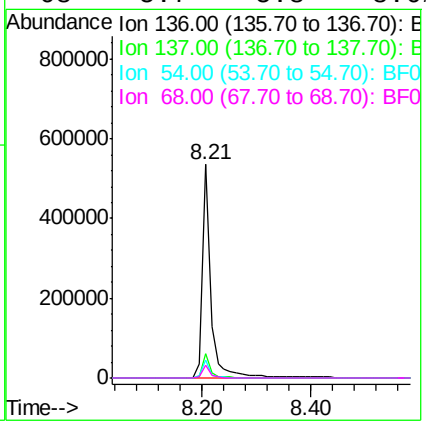


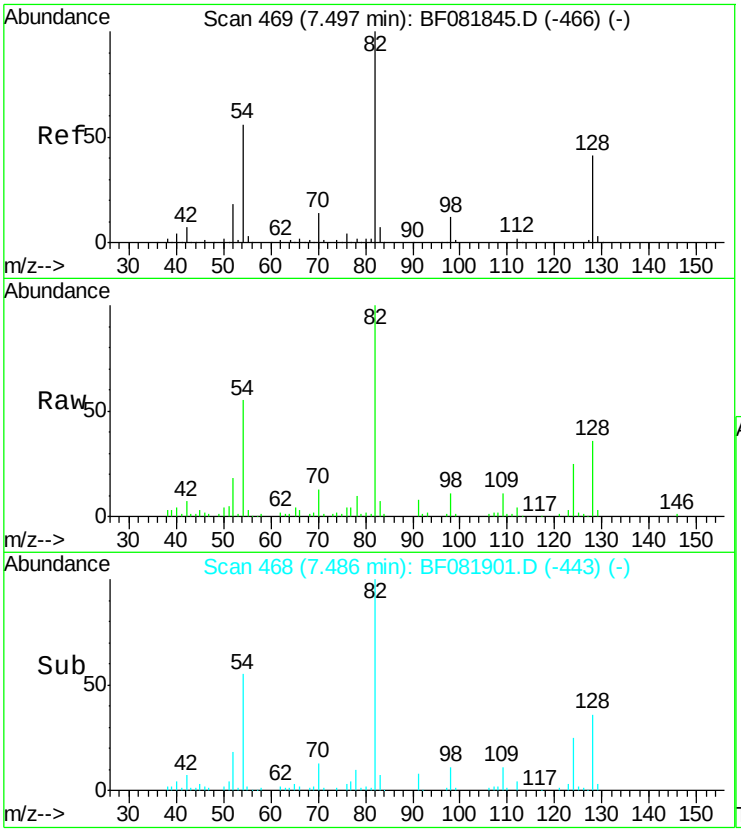




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:136 Resp: 583670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.0 | 13.6 |
| 54 | 8.6 | 8.2 | 12.2 |
| 68 | 5.7 | 5.8 | 8.6# |



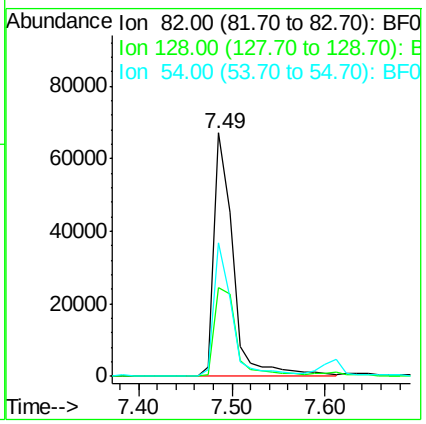


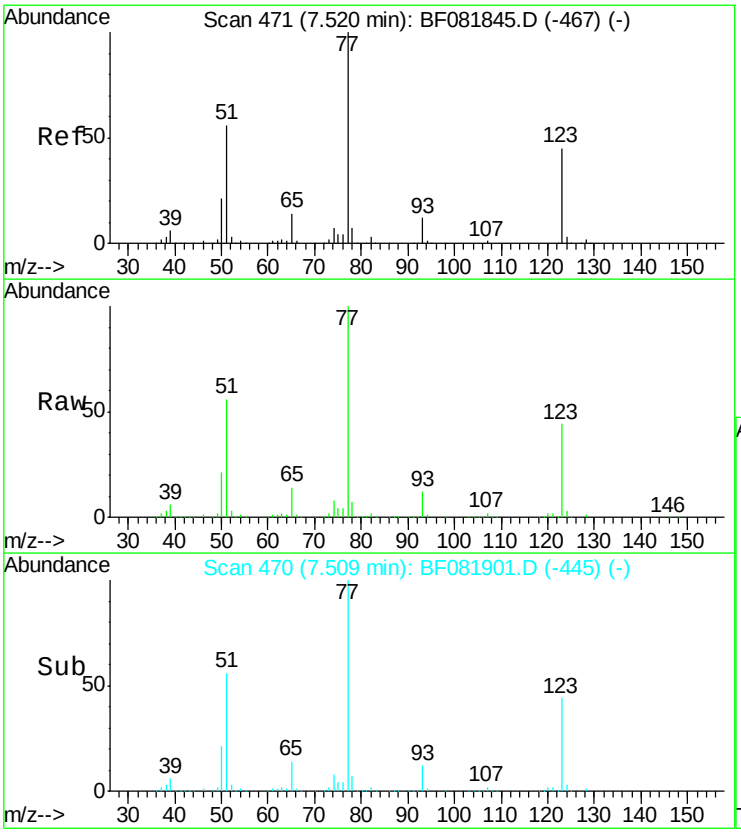

#23
Nitrobenzene-d5
Concen: 10.86 ng
RT: 7.49 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion: 82 Resp: 95111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.5 | 51.0 | 76.6# |
| 54 | 55.0 | 47.5 | 71.3 |

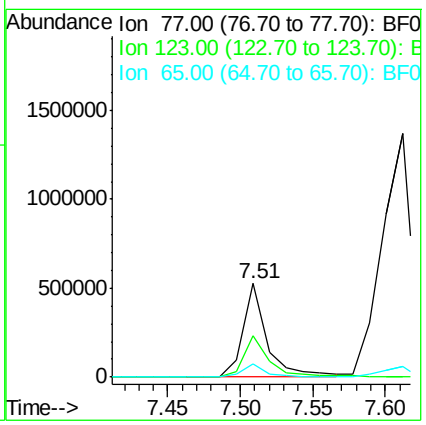


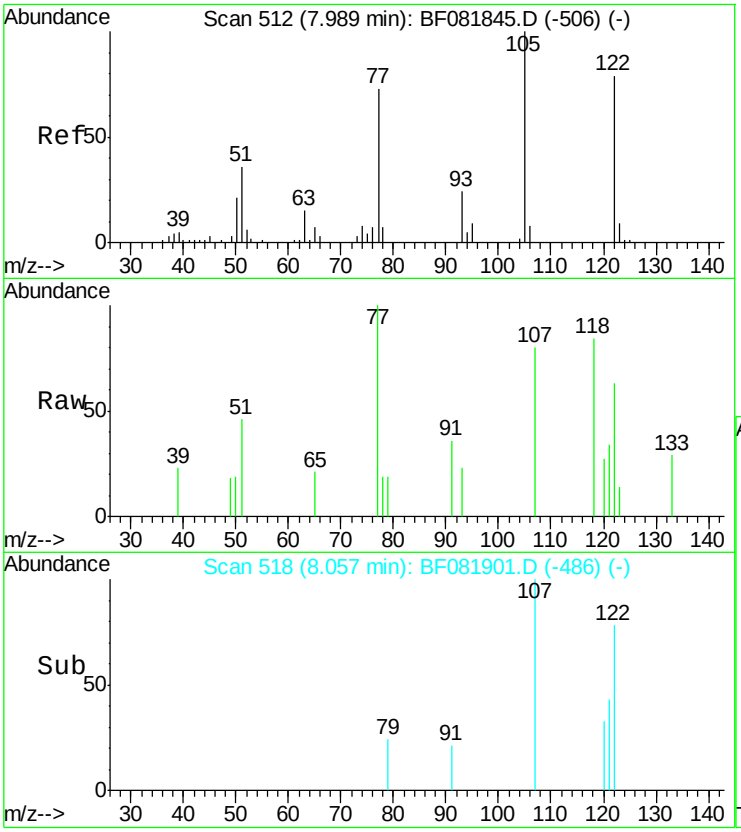




#24
Nitrobenzene
Concen: 64.31 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion: 77 Resp: 611407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.4 | 59.8 | 89.8# |
| 65 | 14.1 | 10.2 | 15.4 |



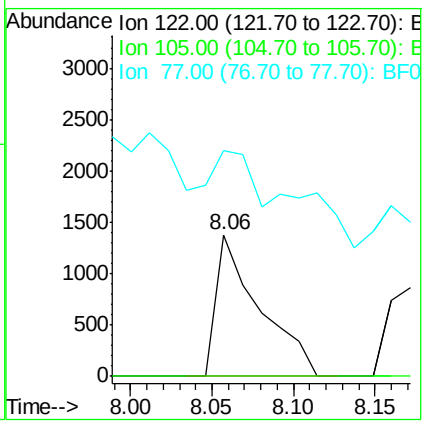


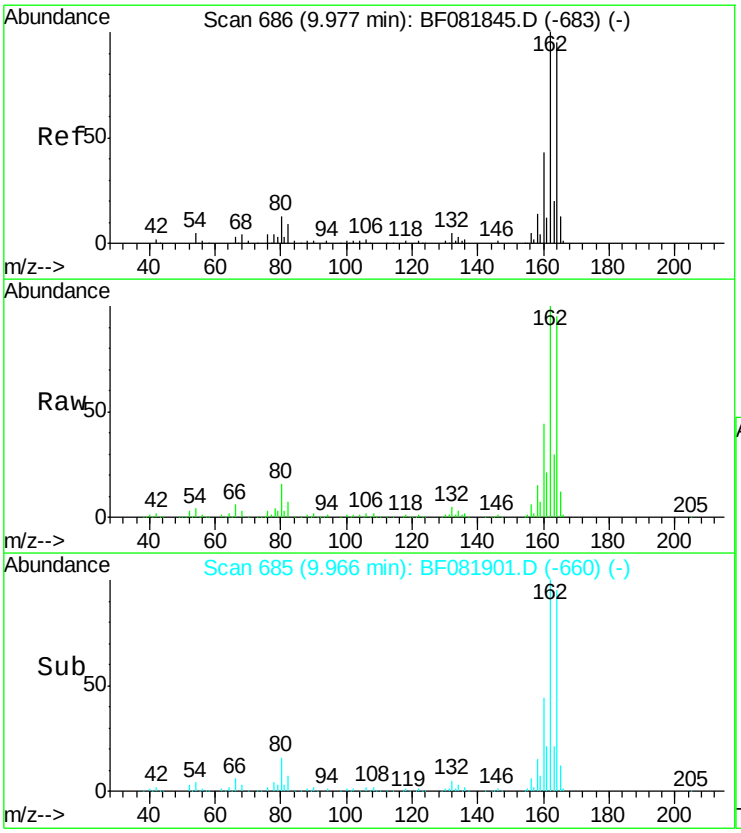

#32
Benzoic acid
Concen: 7.79 ng
RT: 8.06 min Scan# 518
Delta R.T. 0.07 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:122 Resp: 2539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 76.1 | 116.1# |
| 77 | 159.2 | 40.5 | 80.5# |

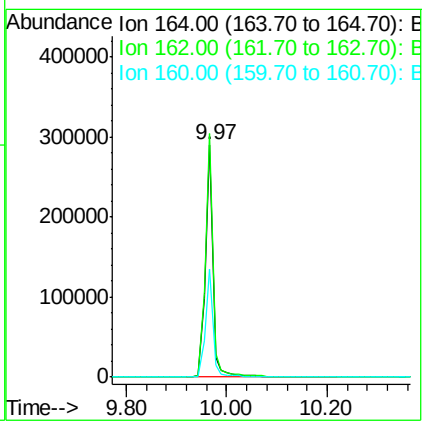


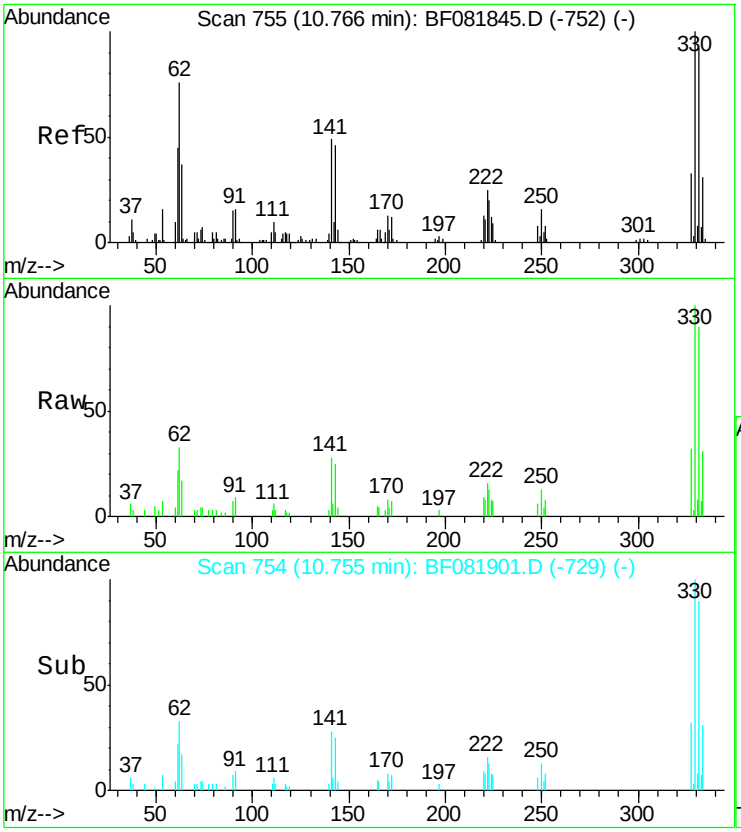




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:164 Resp: 308563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.9 | 75.2 | 112.8 |
| 160 | 46.5 | 31.5 | 47.3 |



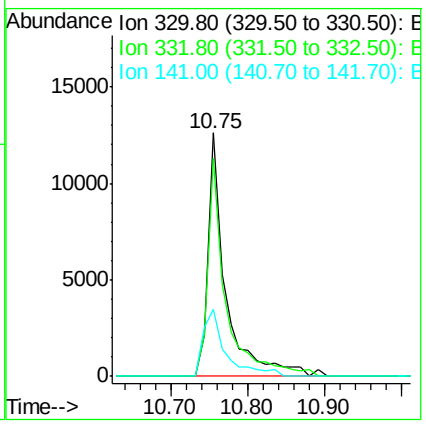


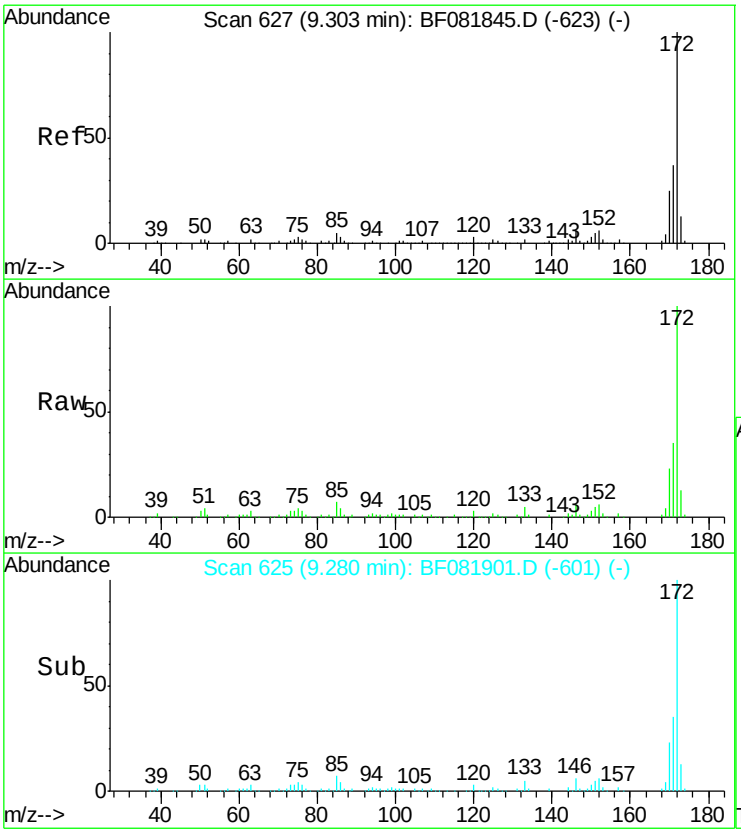

#41
2,4,6-Tribromophenol
Concen: 6.47 ng
RT: 10.75 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:330 Resp: 20211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 90.7 | 76.6 | 114.8 |
| 141 | 34.5 | 29.7 | 44.5 |

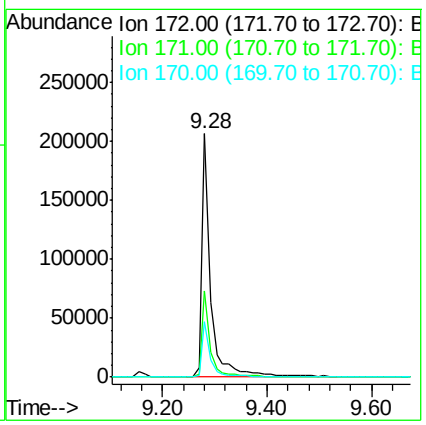


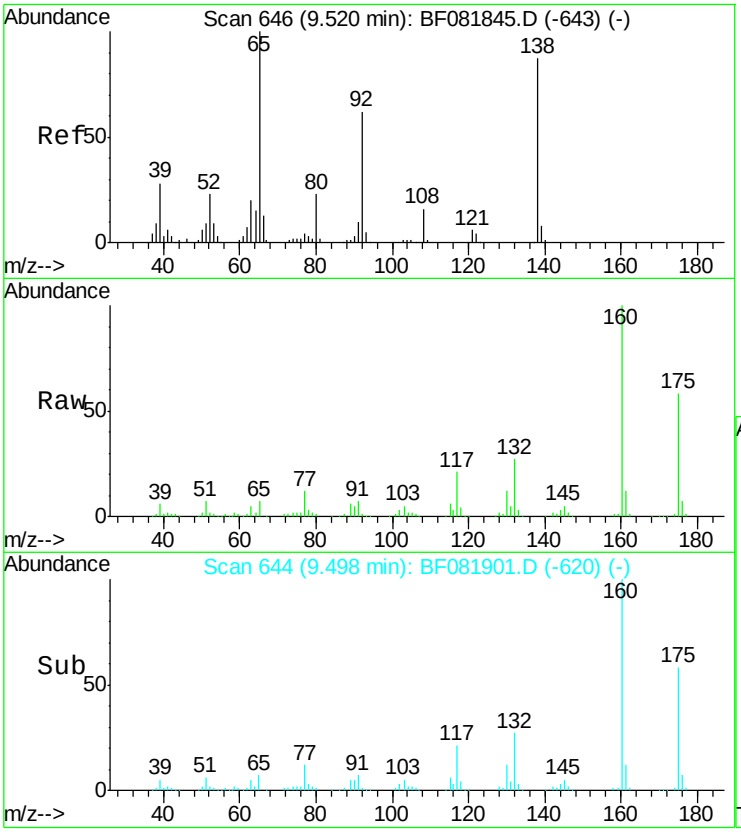




#44
2-Fluorobiphenyl
Concen: 10.65 ng
RT: 9.28 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:172 Resp: 246999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 26.1 | 39.1 |
| 170 | 22.9 | 17.4 | 26.2 |



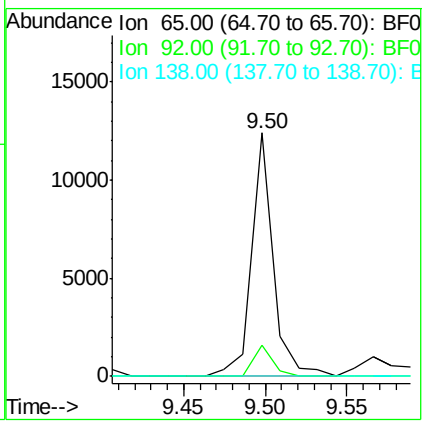


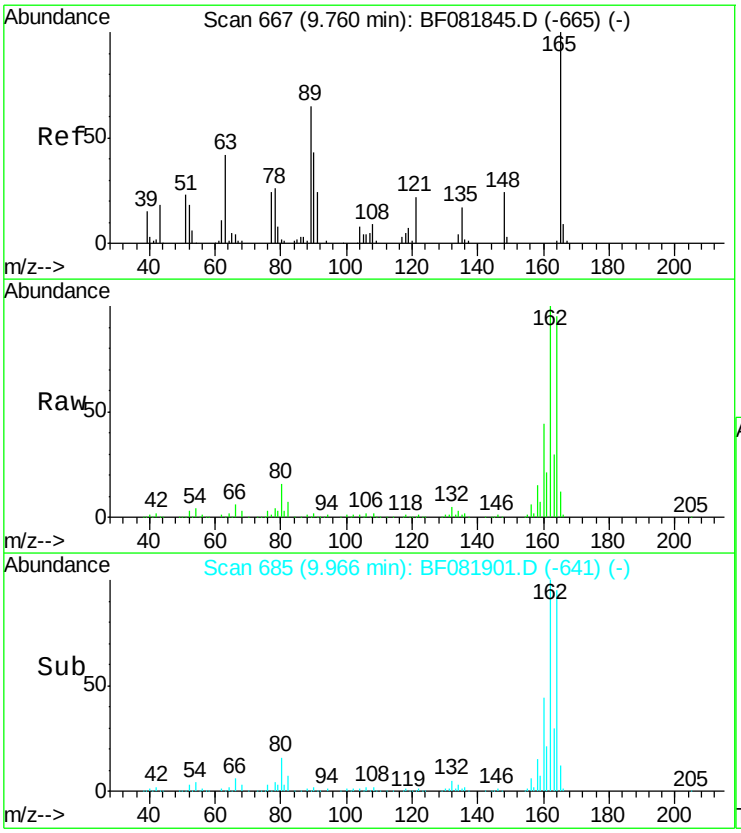

#47
2-Nitroaniline
Concen: 2.08 ng
RT: 9.50 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion: 65 Resp: 11412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 12.8 | 55.4 | 83.0# |
| 138 | 0.0 | 115.5 | 173.3# |

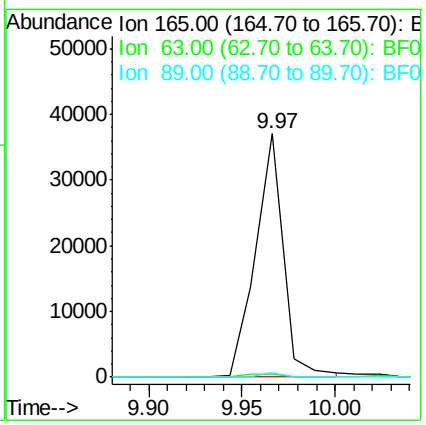


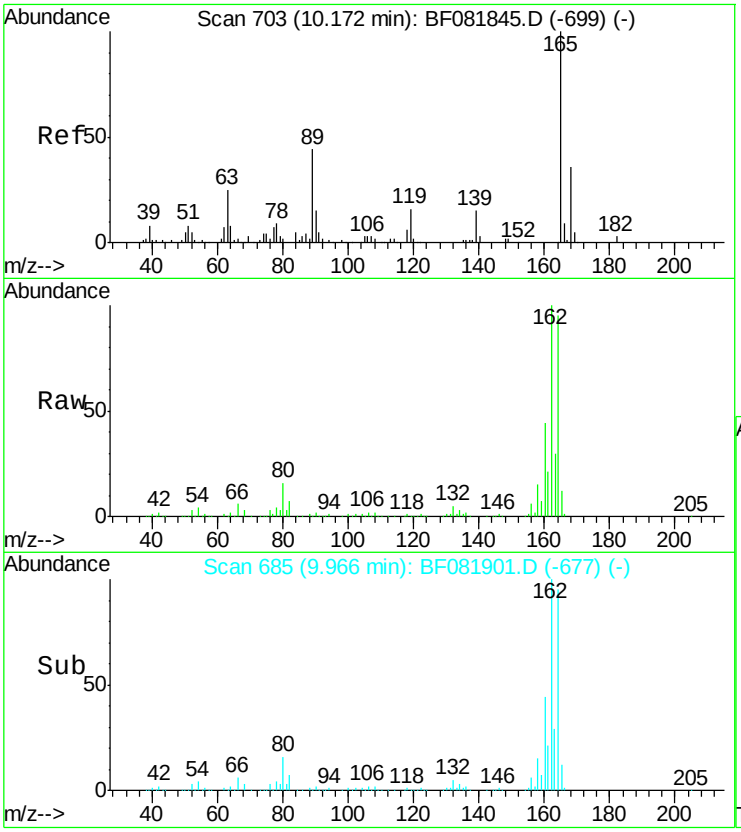




#50
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 9.97 min Scan# 685
Delta R.T. 0.21 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:165 Resp: 38230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 32.3 | 48.5# |
| 89 | 1.5 | 28.6 | 43.0# |



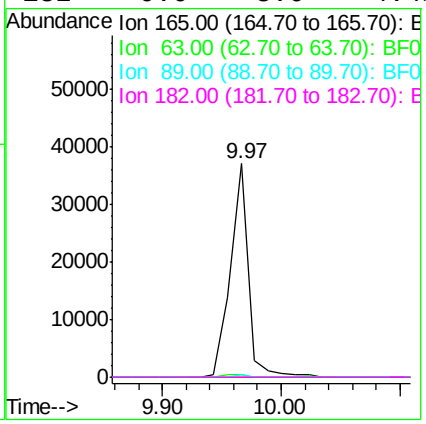


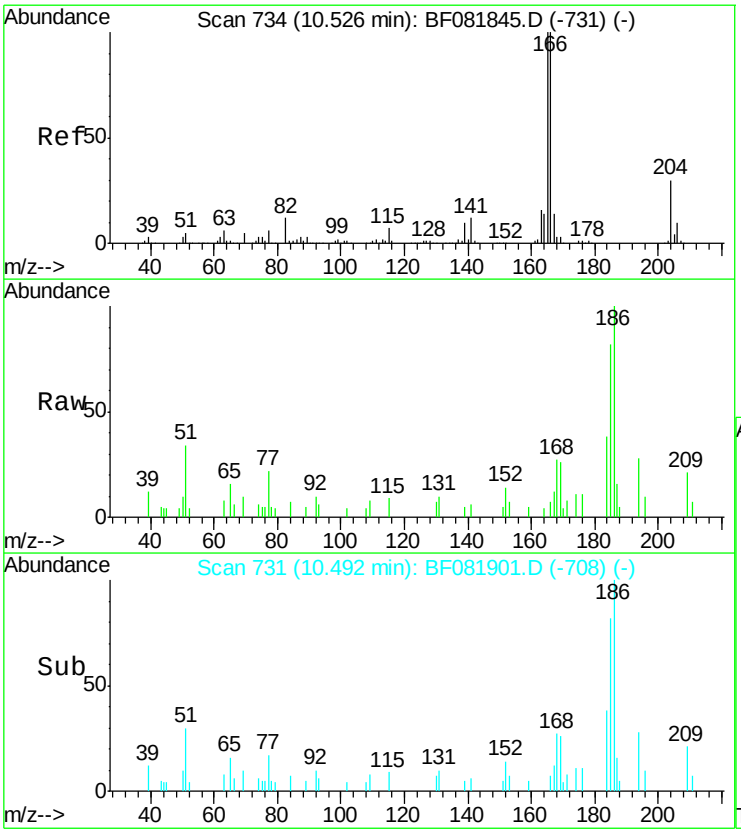

#56
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.21 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:165 Resp: 38876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 29.8 | 44.6# |
| 89 | 1.5 | 44.5 | 66.7# |
| 182 | 0.0 | 3.0 | 4.4# |

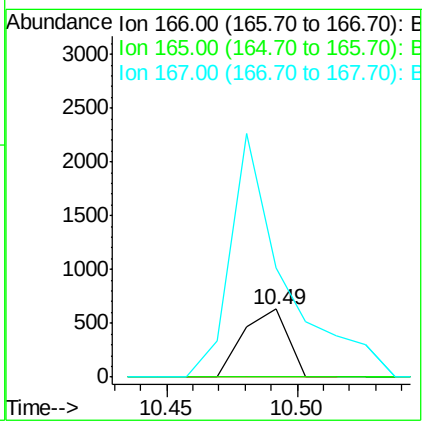


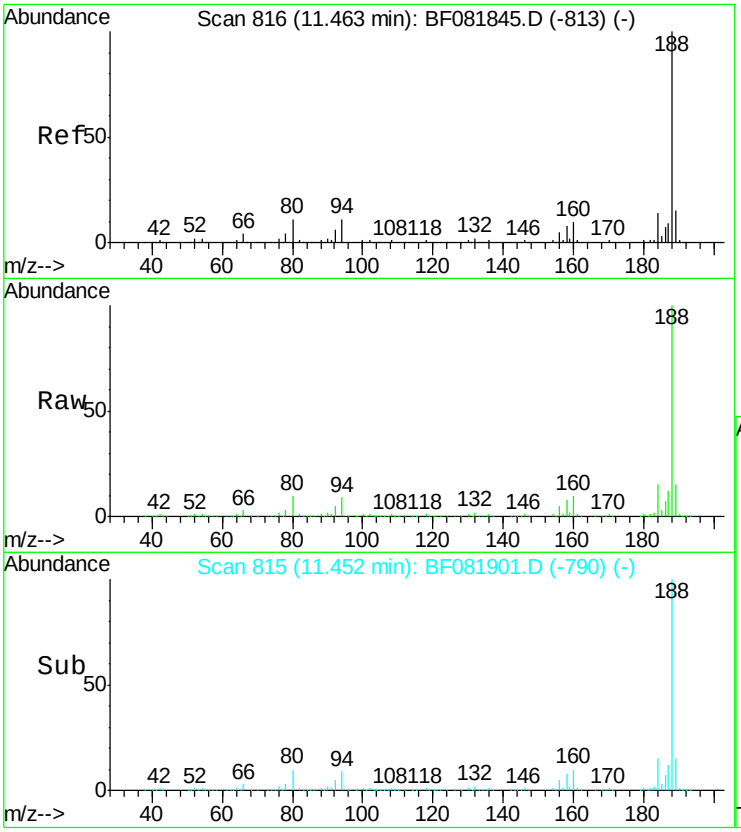




#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:166 Resp: 750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 0.0 | 72.6 | 109.0# |
| 167 | 161.1 | 10.6 | 16.0# |



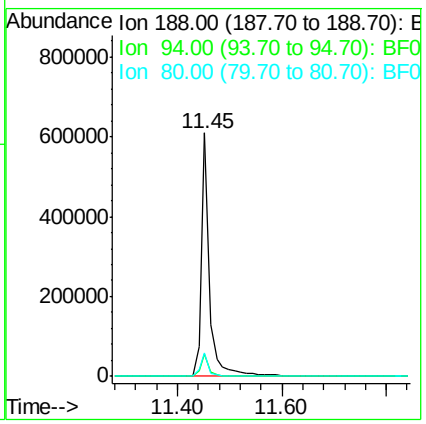


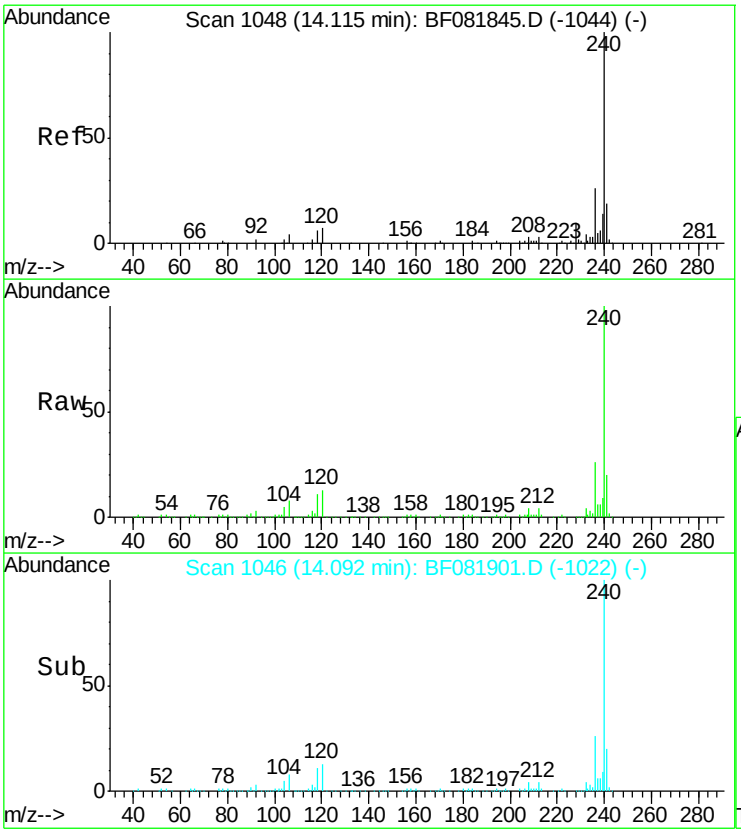

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:188 Resp: 662889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 11.1 | 16.7# |
| 80 | 9.6 | 11.0 | 16.4# |

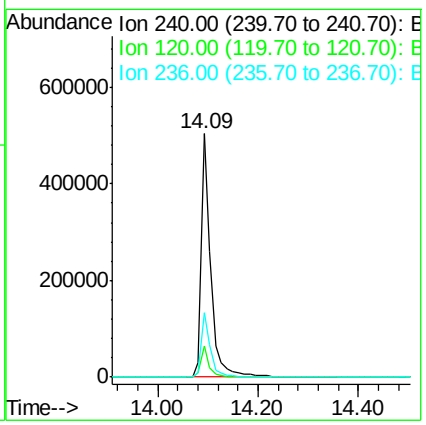


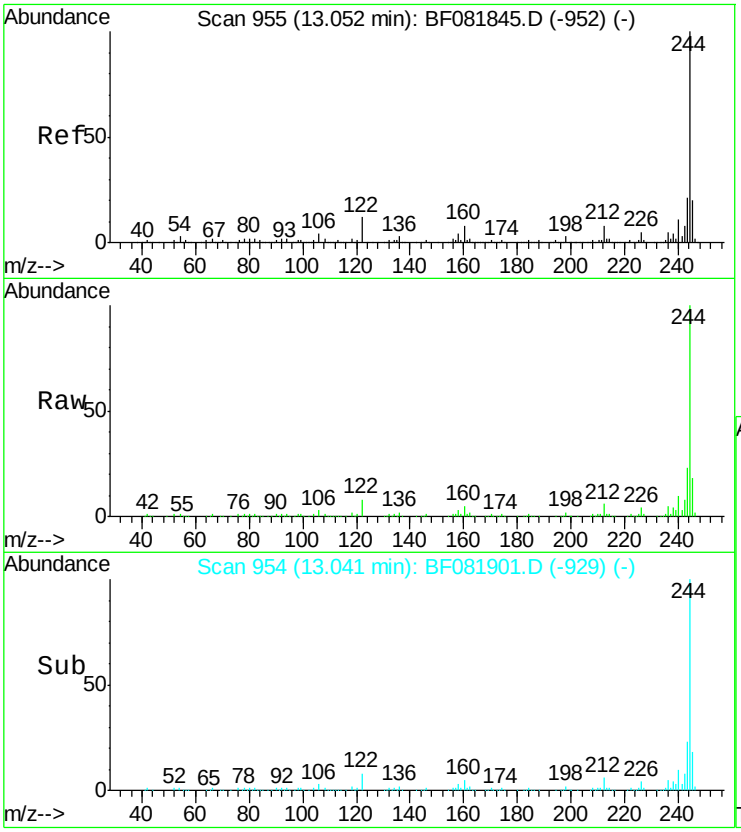




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:240 Resp: 655149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 16.2 | 24.2# |
| 236 | 26.3 | 18.4 | 27.6 |



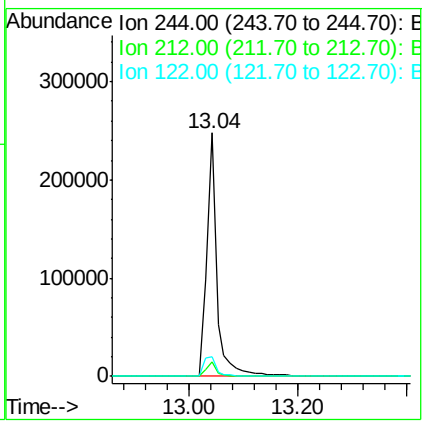


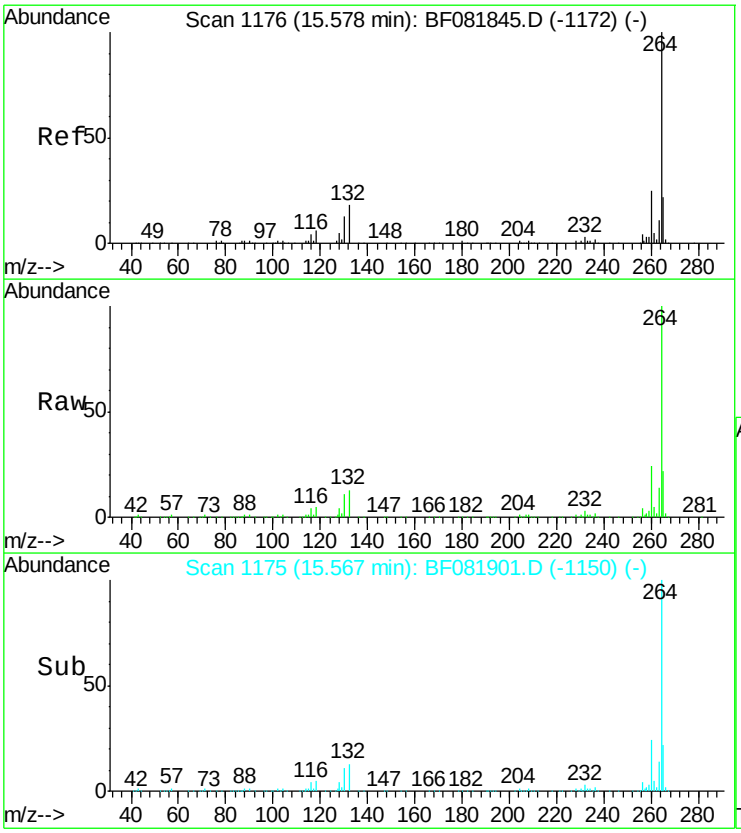

#78
Terphenyl-d14
Concen: 11.35 ng
RT: 13.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-092315DL

Tgt Ion:244 Resp: 321855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.0 | 4.3 | 6.5 |
| 122 | 7.9 | 17.4 | 26.2# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF081901.D
Acq: 30 Sep 2015 7:00

Tgt Ion:264 Resp: 571760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 16.7 | 25.1 |
| 265 | 21.9 | 17.2 | 25.8 |