Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
Data File : BF086191.D
Acq On : 9 Apr 2016 2:02
Operator : UM/SJ
Sample : H2334-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TW-12-04062016

Quant Time: Apr 09 05:28:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 112495 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.03 | 136 | 196245 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 155276 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 251004 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.88 | 240 | 223718 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.28 | 264 | 214865 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 257450 | 39.12 | ng | | -0.05 |
| 7) Phenol-d6 | 6.38 | 99 | 215518 | 25.78 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 539094 | 162.00 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 100830 | 69.18 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 775326 | 83.02 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.84 | 244 | 697969 | 73.34 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.33 | 77 | 87899 | 19.54 | ng | # | 1 |
| 15) Benzyl Alcohol | 6.89 | 79 | 22639 | 4.19 | ng | # | 45 |
| 17) 2-Methylphenol | 7.01 | 107 | 15001 | 2.42 | ng | # | 1 |
| 18) Hexachloroethane | 7.21 | 117 | 141824 | 44.99 | ng | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 61460 | 11.86 | ng | # | 50 |
| 22) Acetophenone | 7.14 | 105 | 687413 | 149.01 | ng | # | 49 |
| 24) Nitrobenzene | 7.29 | 77 | 126165 | 34.65 | ng | # | 32 |
| 25) Isophorone | 7.55 | 82 | 141561 | 21.55 | ng | # | 1 |
| 26) 2-Nitrophenol | 7.65 | 139 | 13930 | 8.00 | ng | # | 1 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 7773 | 2.48 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 37593 | 9.75 | ng | # | 1 |
| 29) 2,4-Dichlorophenol | 7.87 | 162 | 15616 | 5.90 | ng | # | 19 |
| 30) 1,2,4-Trichlorobenzene | 7.95 | 180 | 7772 | 2.62 | ng | # | 81 |
| 31) Naphthalene | 8.05 | 128 | 826684 | 83.75 | ng | # | 93 |
| 32) Benzoic acid | 7.82 | 122 | 15917 | 6.94 | ng | # | 25 |
| 33) 4-Chloroaniline | 8.05 | 127 | 205646 | 51.57 | ng | # | 40 |
| 35) Caprolactam | 8.46 | 113 | 81064 | 96.61 | ng | # | 8 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 22975 | 7.73 | ng | # | 39 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 675193 | 104.71 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 6860 | 2.29 | ng | # | 13 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 6860 | 2.25 | ng | # | 1 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 122854 | 9.18 | ng | | 95 |
| 47) 2-Nitroaniline | 9.37 | 65 | 15493 | 5.46 | ng | # | 44 |
| 49) Dimethylphthalate | 9.50 | 163 | 45766 | 3.98 | ng | # | 53 |
| 50) 2,6-Dinitrotoluene | 9.56 | 165 | 11672 | 4.79 | ng | # | 81 |
| 51) Acenaphthene | 9.82 | 154 | 19085 | 2.06 | ng | # | 1 |
| 52) 3-Nitroaniline | 9.77 | 138 | 13603 | 4.64 | ng | # | 48 |
| 53) 2,4-Dinitrophenol | 9.86 | 184 | 1293 | 3.44 | ng | # | 1 |
| 54) Dibenzofuran | 9.98 | 168 | 34310 | 2.81 | ng | # | 1 |
| 55) 4-Nitrophenol | 9.89 | 139 | 34752 | 20.09 | ng | # | 3 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 9944 | 3.23 | ng | # | 70 |
| 57) Fluorene | 10.34 | 166 | 63390 | 6.08 | ng | # | 56 |
| 59) Diethylphthalate | 10.19 | 149 | 28122 | 2.42 | ng | # | 47 |
| 65) n-Nitrosodiphenylamine | 10.45 | 169 | 114488 | 14.58 | ng | # | 57 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
Data File : BF086191.D
Acq On : 9 Apr 2016 2:02
Operator : UM/SJ
Sample : H2334-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TW-12-04062016

Quant Time: Apr 09 05:28:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 68) Atrazine | 11.07 | 200 | 44050 | 17.37 | ng | | 69 |
| 69) Pentachlorophenol | 11.12 | 266 | 4910 | 3.95 | ng | # | 40 |
| 70) Phenanthrene | 11.29 | 178 | 71249 | 5.20 | ng | # | 71 |
| 71) Anthracene | 11.29 | 178 | 71450 | 4.98 | ng | # | 70 |
| 72) Carbazole | 11.62 | 167 | 27479 | 2.23 | ng | # | 1 |
| 74) Fluoranthene | 12.69 | 202 | 50595 | 3.55 | ng | | 91 |
| 77) Pyrene | 12.69 | 202 | 51856 | 3.29 | ng | # | 93 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
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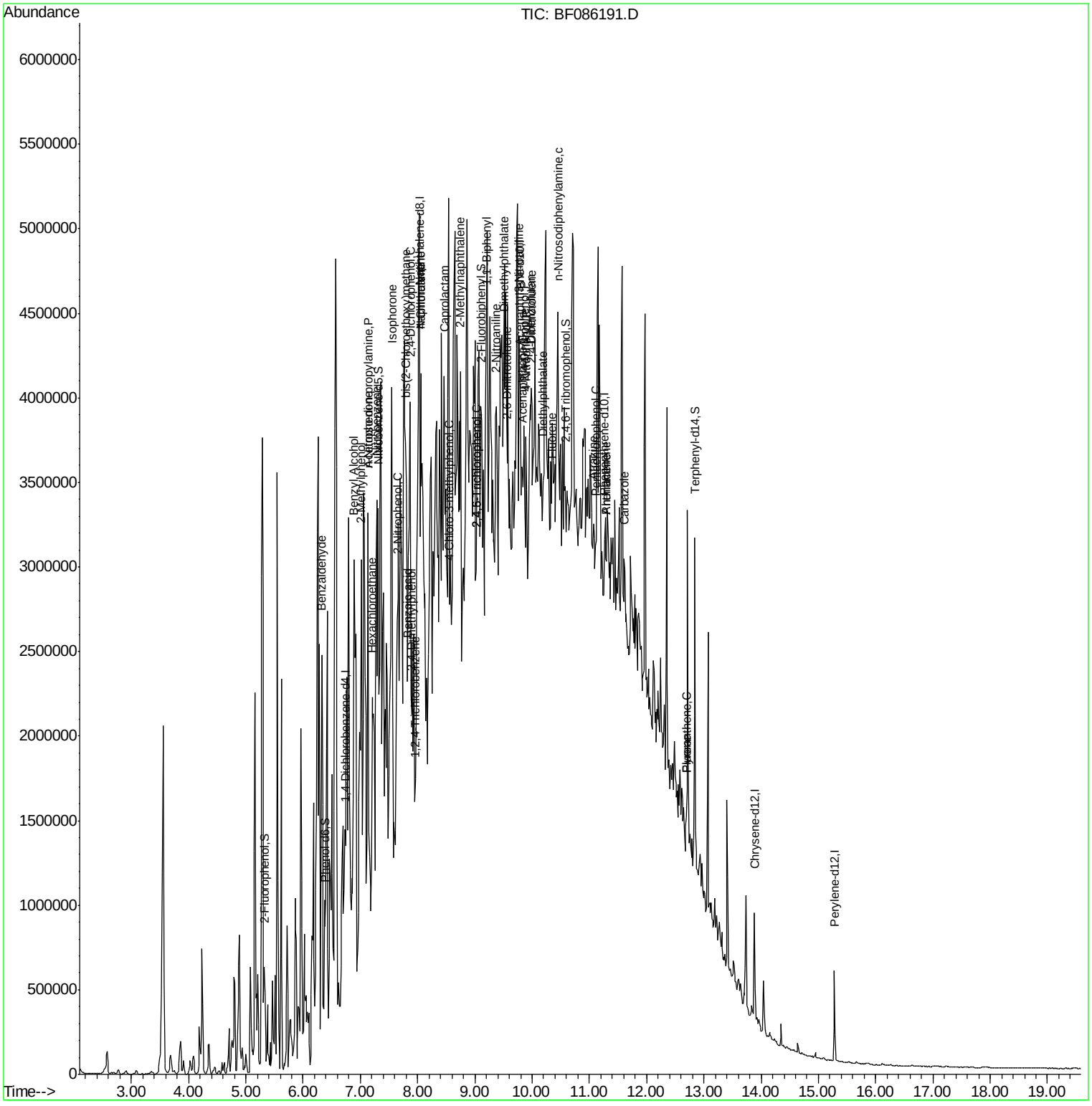
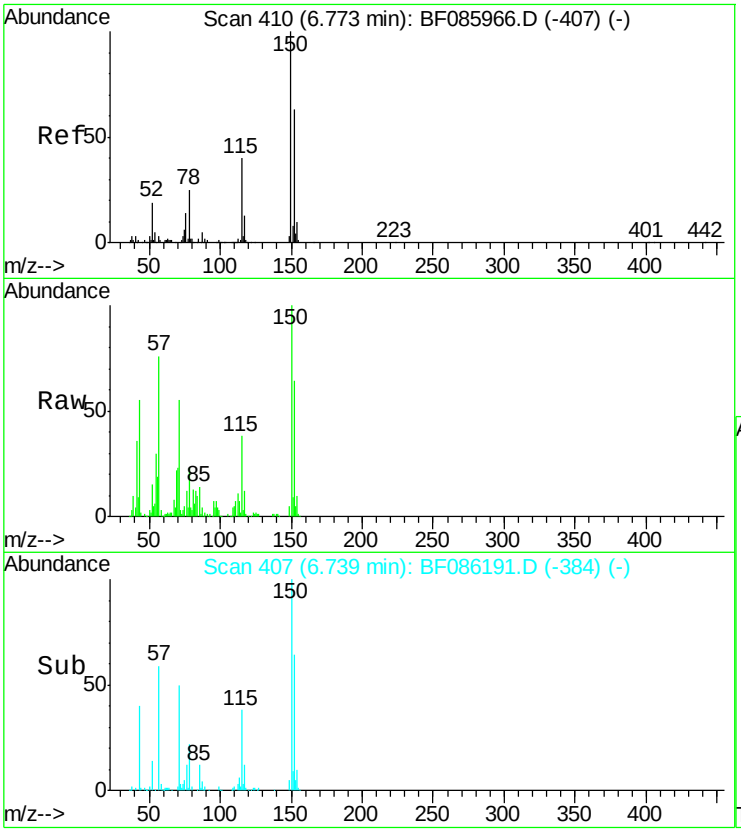
Acq On : 9 Apr 2016 2:02
Operator : UM/SJ
Sample : H2334-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Quant Time: Apr 09 05:28:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration



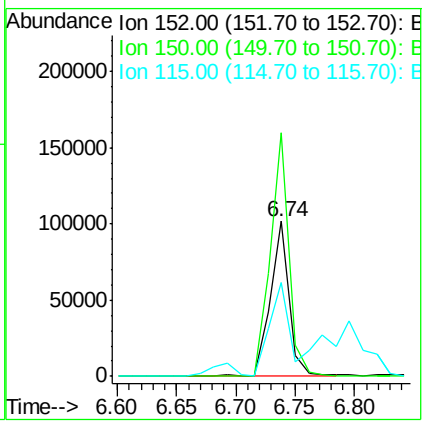


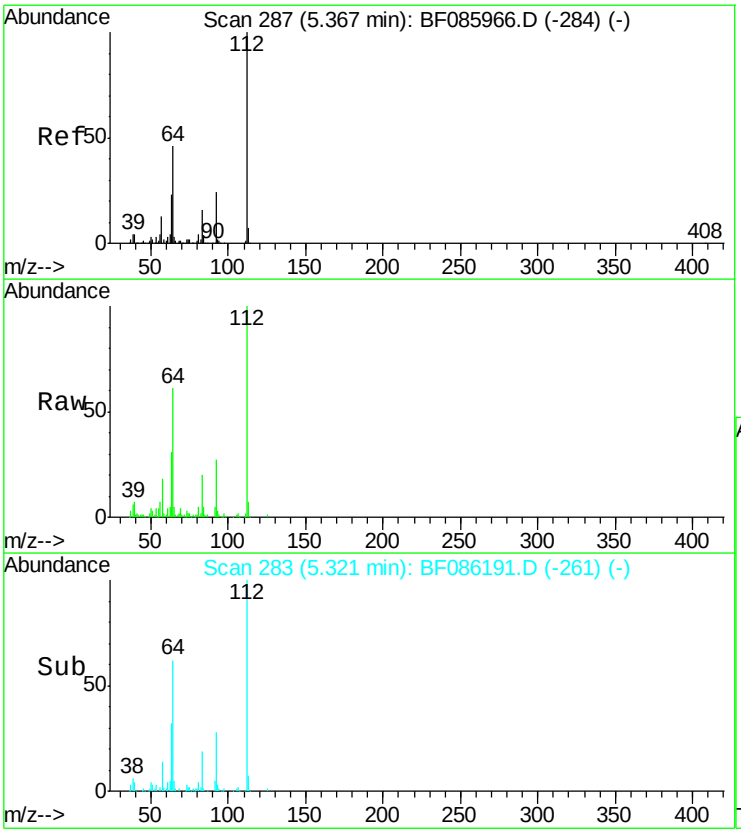

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:152 Resp: 112495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 124.2 | 186.2 |
| 115 | 60.5 | 47.0 | 70.6 |

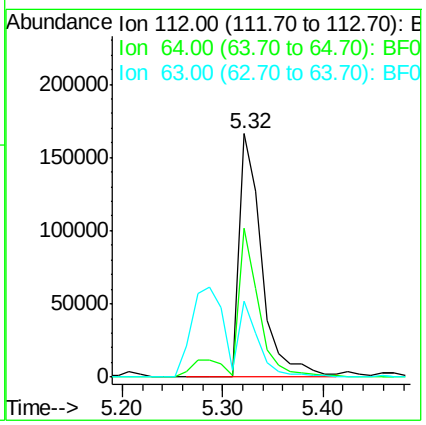


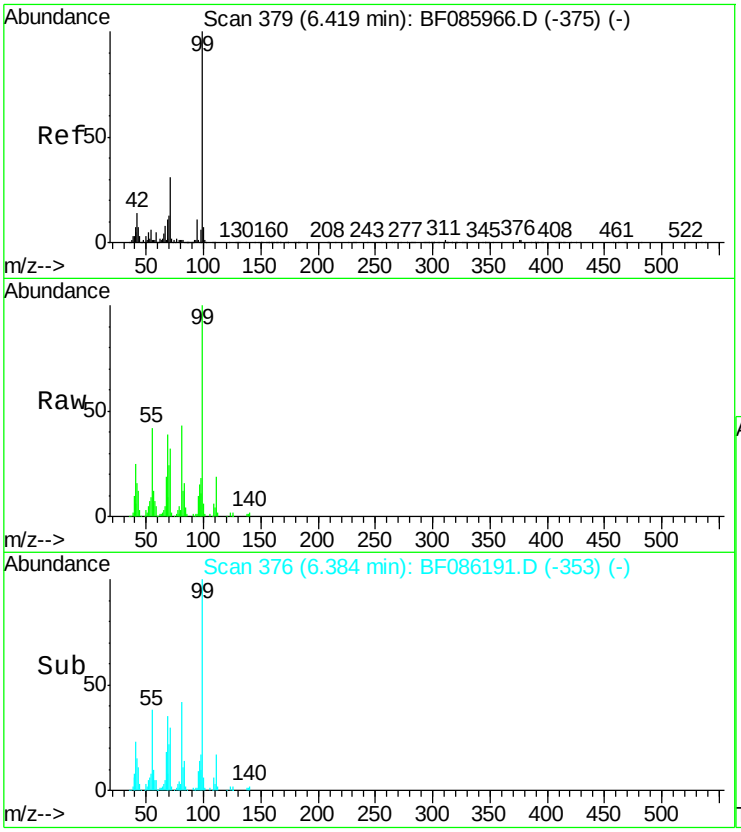




#5
2-Fluorophenol
Concen: 39.12 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:112 Resp: 257450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.0 | 39.9 | 59.9# |
| 63 | 31.4 | 20.2 | 30.2# |



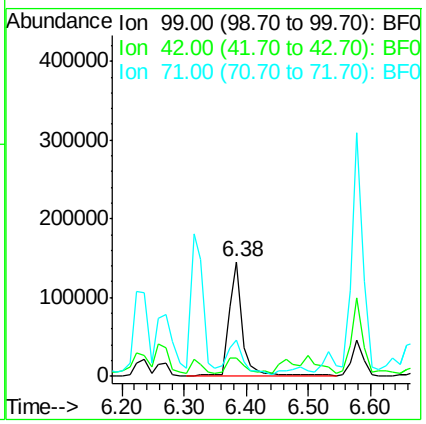


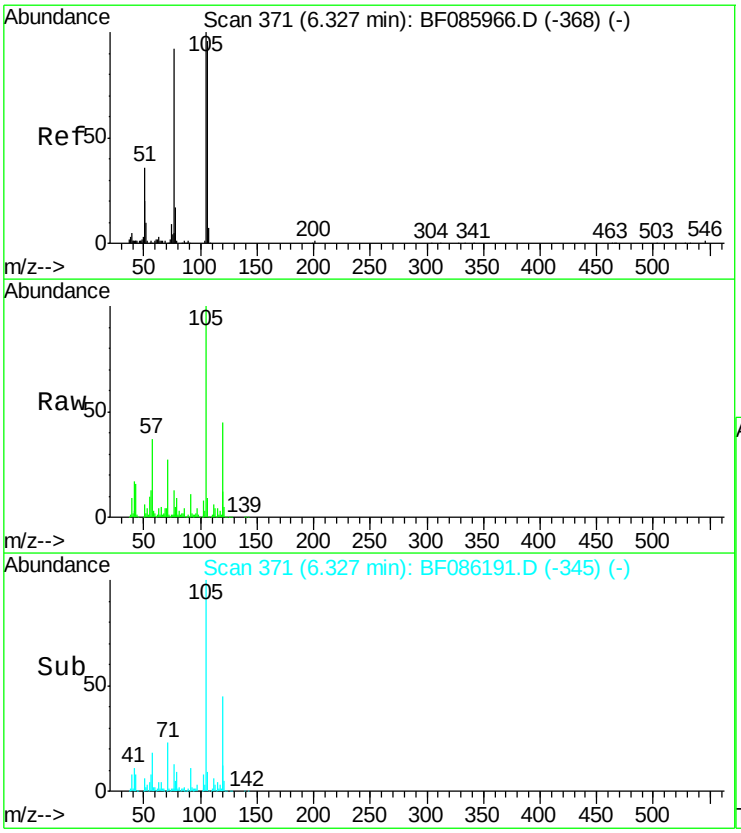

#7
Phenol-d6
Concen: 25.78 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion: 99 Resp: 215518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.8 | 11.1 | 16.7 |
| 71 | 31.5 | 24.9 | 37.3 |

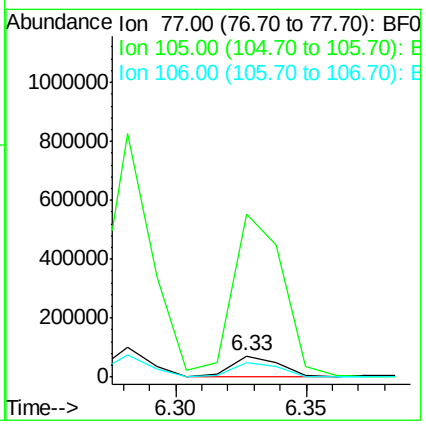


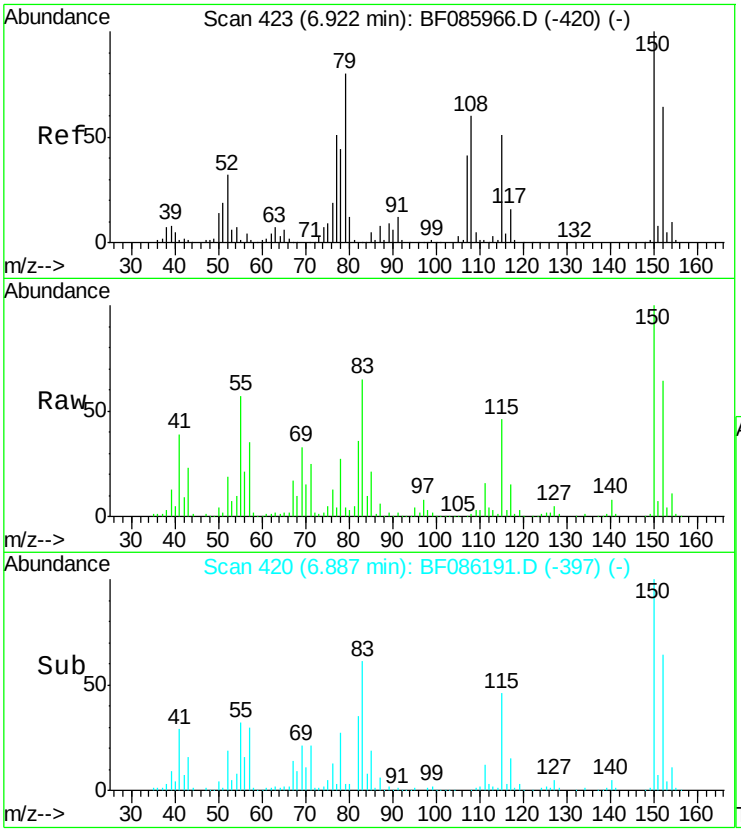




#9
Benzaldehyde
Concen: 19.54 ng
RT: 6.33 min Scan# 371
Delta R.T. -0.00 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion: 77 Resp: 87899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 771.4 | 80.1 | 120.1# |
| 106 | 69.8 | 75.0 | 115.0# |



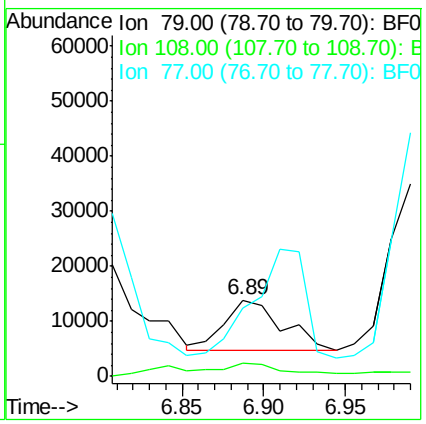


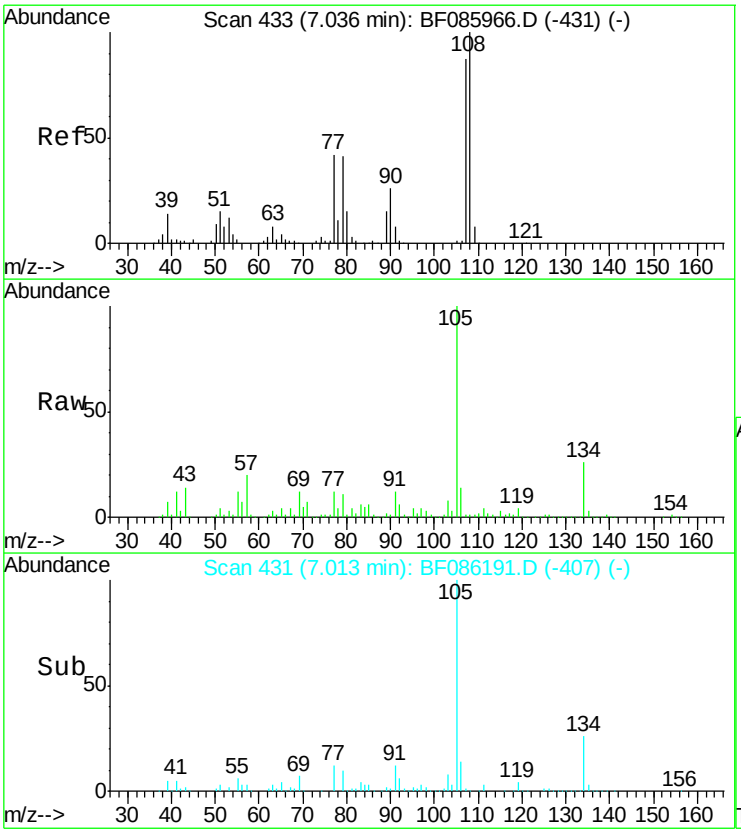

#15
Benzyl Alcohol
Concen: 4.19 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion: 79 Resp: 22639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 17.0 | 61.8 | 92.6# |
| 77 | 90.1 | 49.6 | 74.4# |

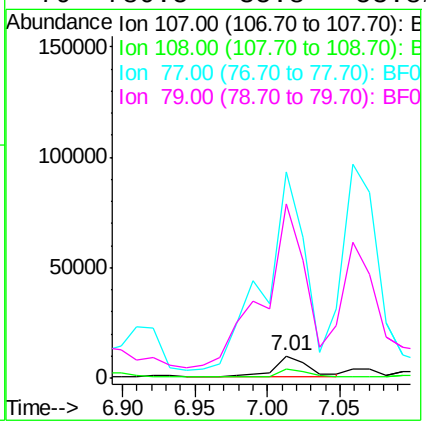


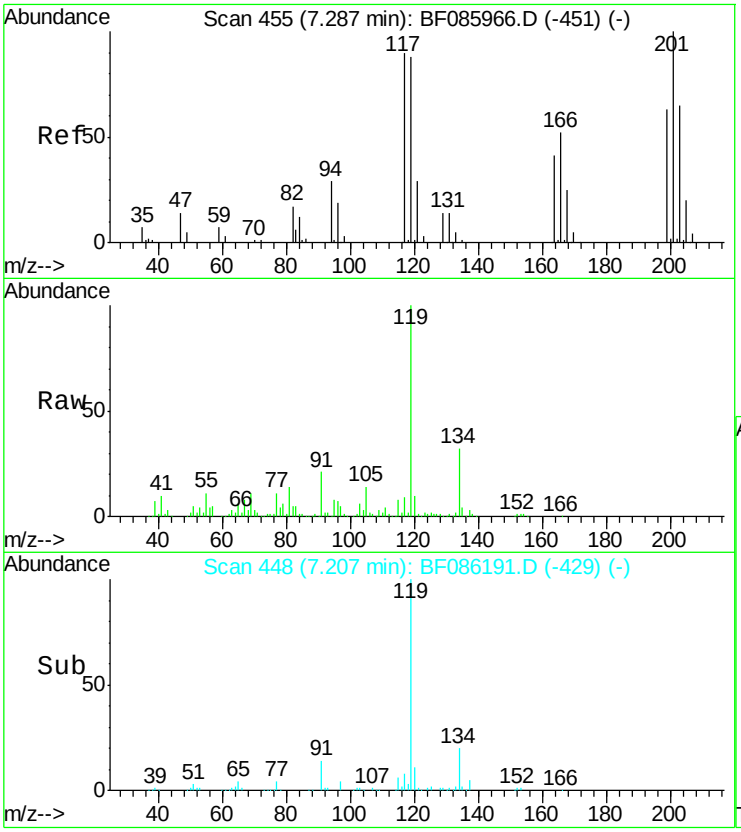




#17
2-Methylphenol
Concen: 2.42 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:107 Resp: 15001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 40.9 | 91.4 | 137.0# |
| 77 | 923.4 | 36.2 | 54.2# |
| 79 | 780.5 | 35.8 | 53.8# |



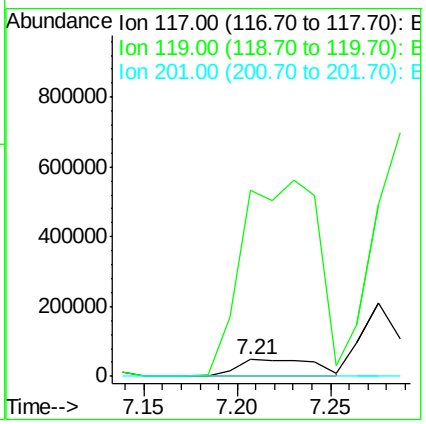


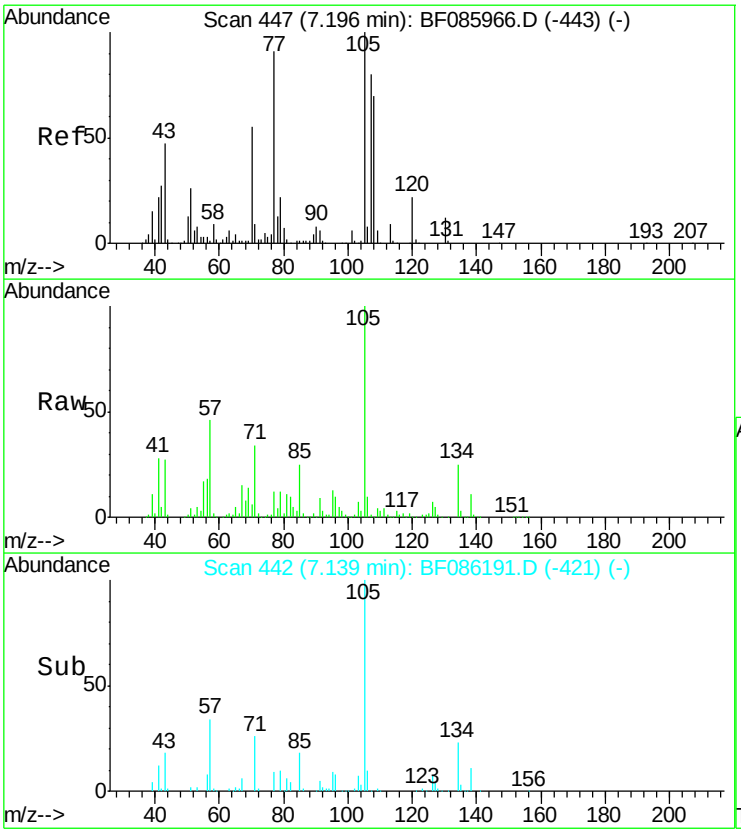

#18
Hexachloroethane
Concen: 44.99 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.08 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:117 Resp: 141824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 1093.8 | 76.7 | 115.1# |
| 201 | 0.0 | 83.3 | 124.9# |

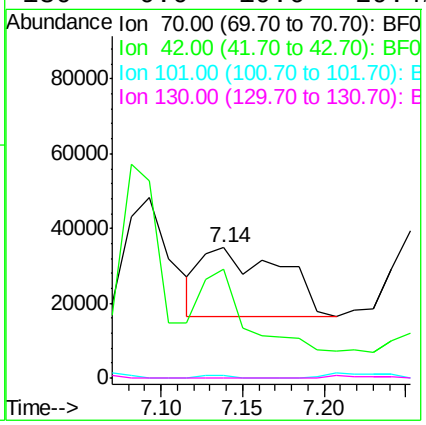


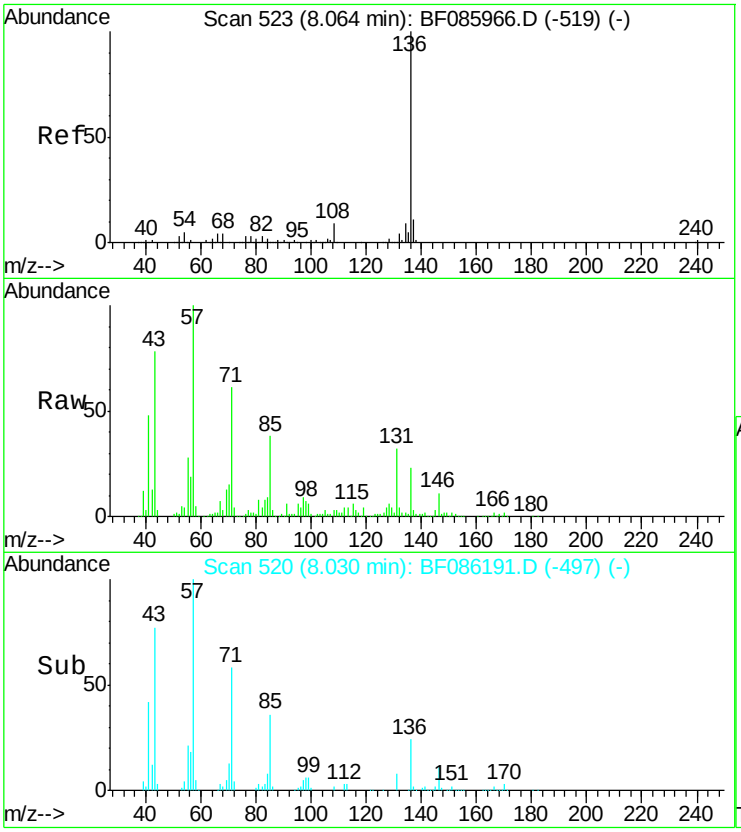




#19
n-Nitroso-di-n-propylamine
Concen: 11.86 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion: 70 Resp: 61460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 83.9 | 37.1 | 55.7# |
| 101 | 2.1 | 8.6 | 12.8# |
| 130 | 0.0 | 19.6 | 29.4# |



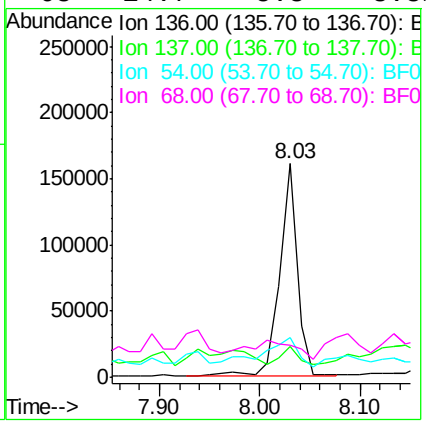


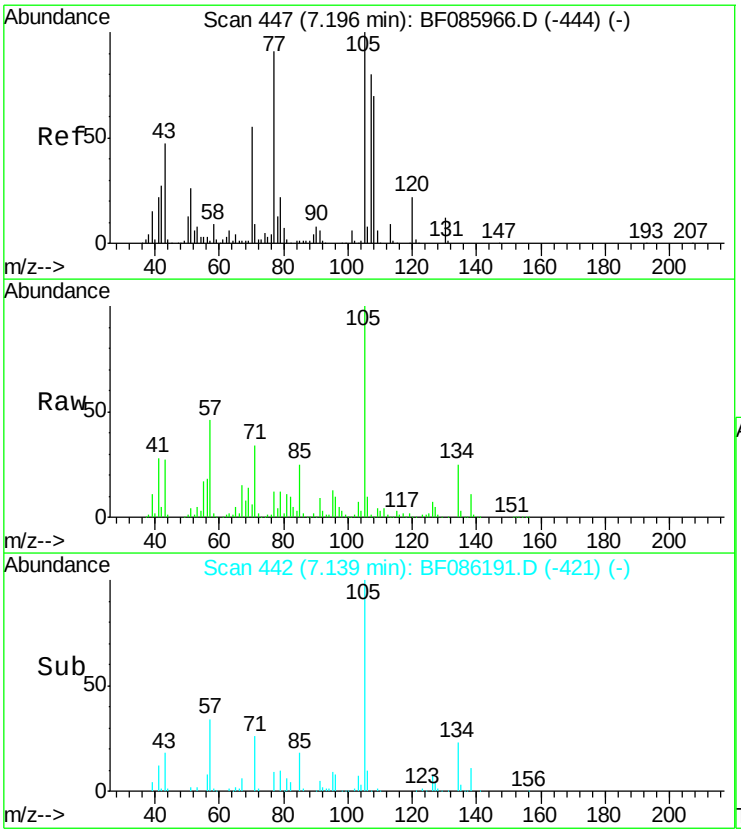

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:136 Resp: 196245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 14.2 | 9.1 | 13.7# |
| 54 | 18.7 | 7.4 | 11.0# |
| 68 | 14.7 | 5.8 | 8.8# |

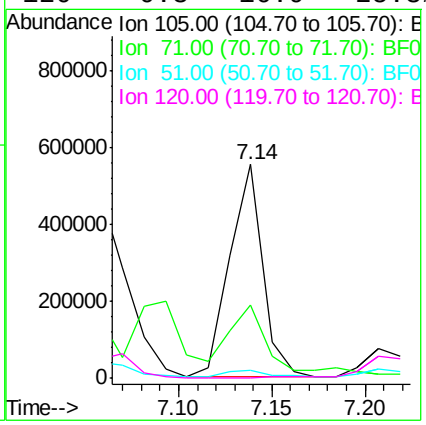


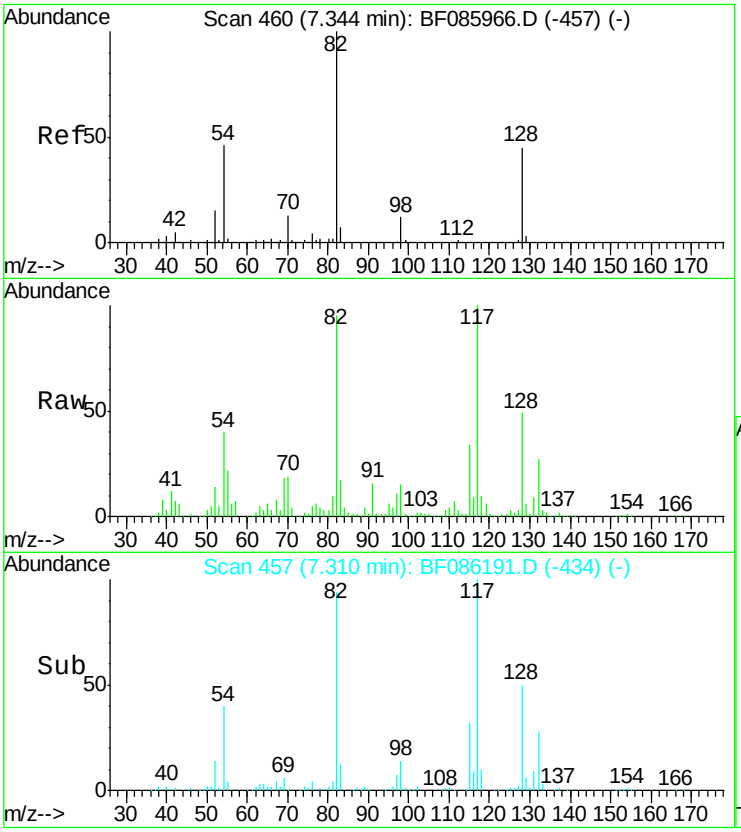




#22
Acetophenone
Concen: 149.01 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:105 Resp: 687413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 33.9 | 3.6 | 5.4# |
| 51 | 3.6 | 25.4 | 38.0# |
| 120 | 0.3 | 16.9 | 25.3# |



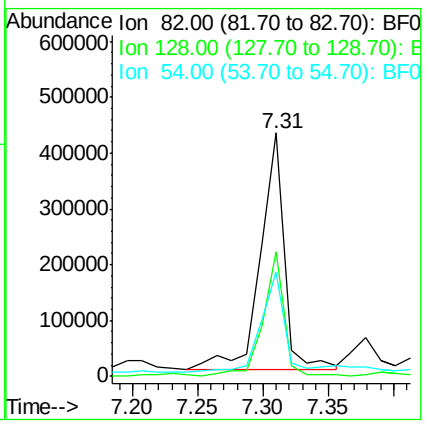


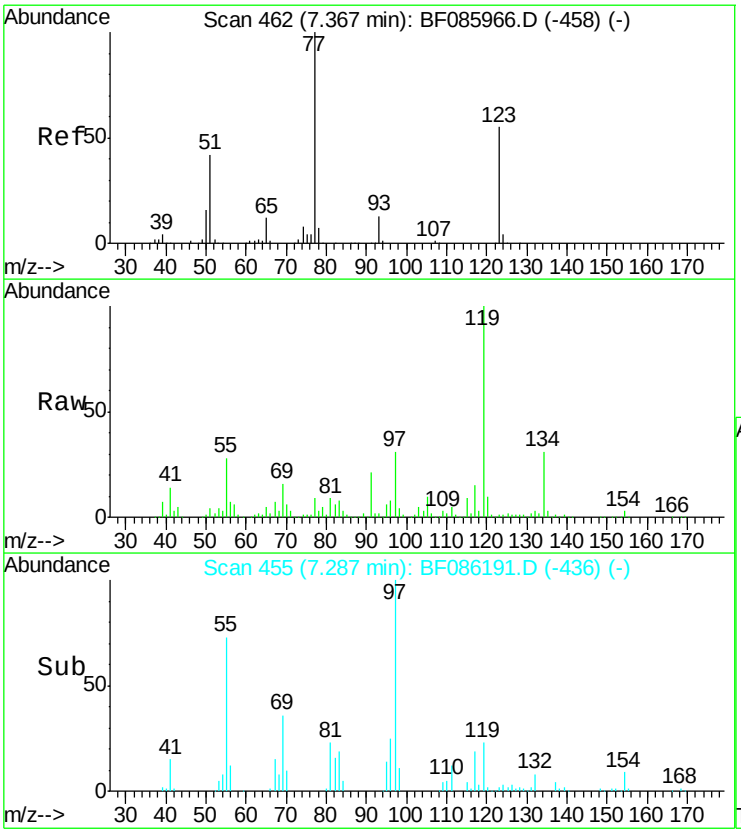

#23
Nitrobenzene-d5
Concen: 162.00 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion: 82 Resp: 539094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.2 | 41.8 | 62.8 |
| 54 | 42.6 | 33.4 | 50.0 |

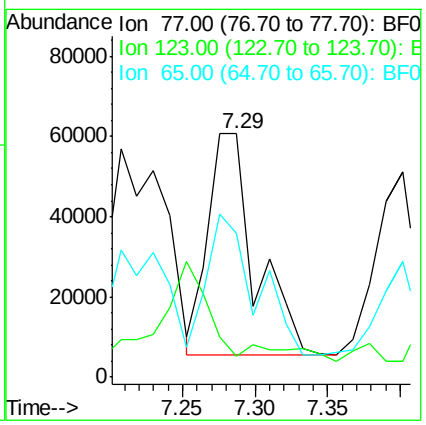


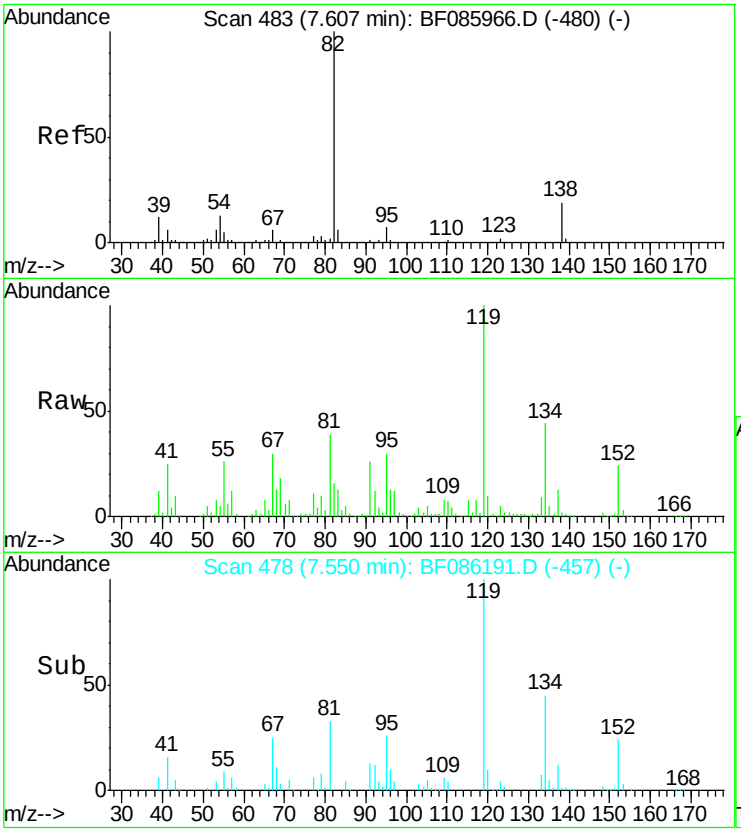




#24
Nitrobenzene
Concen: 34.65 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.08 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion: 77 Resp: 126165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 8.8 | 35.0 | 52.4# |
| 65 | 59.2 | 10.6 | 16.0# |



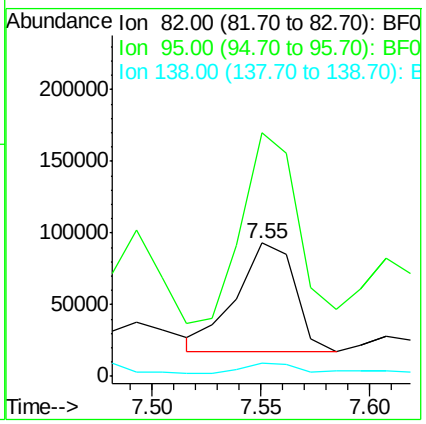


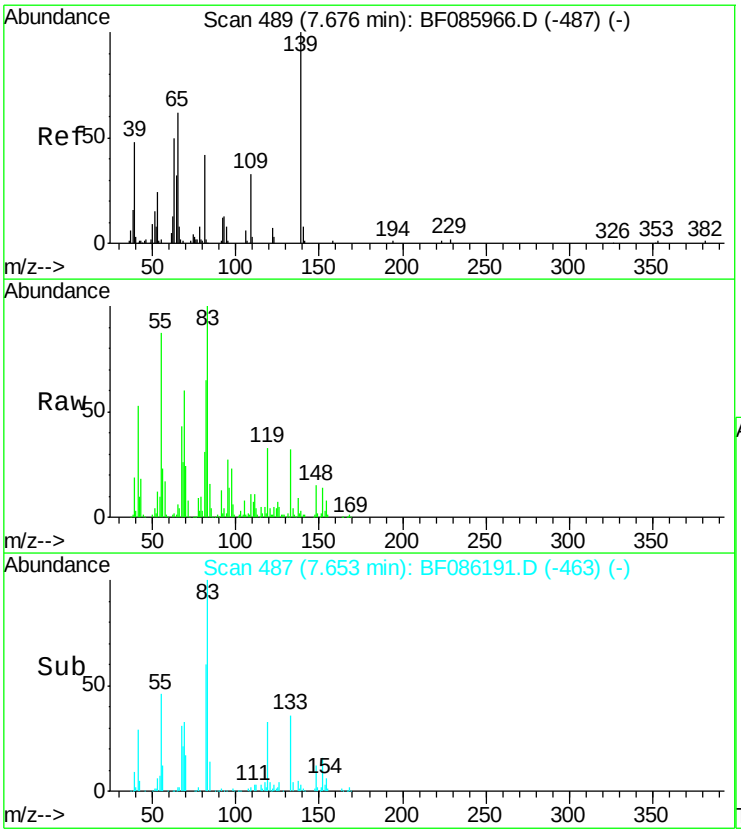

#25
Isophorone
Concen:  21.55 ng
RT: 7.55 min  Scan# 478
Delta R.T.  -0.06 min
Lab File:  BF086191.D
Acq:  9 Apr 2016  2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion: 82 Resp:  141561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 182.5 | 5.4 | 8.2# |
| 138 | 10.0 | 12.9 | 19.3# |

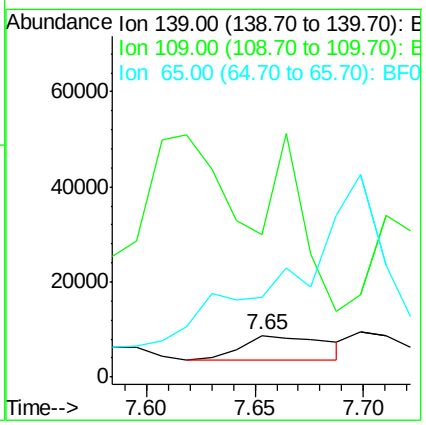


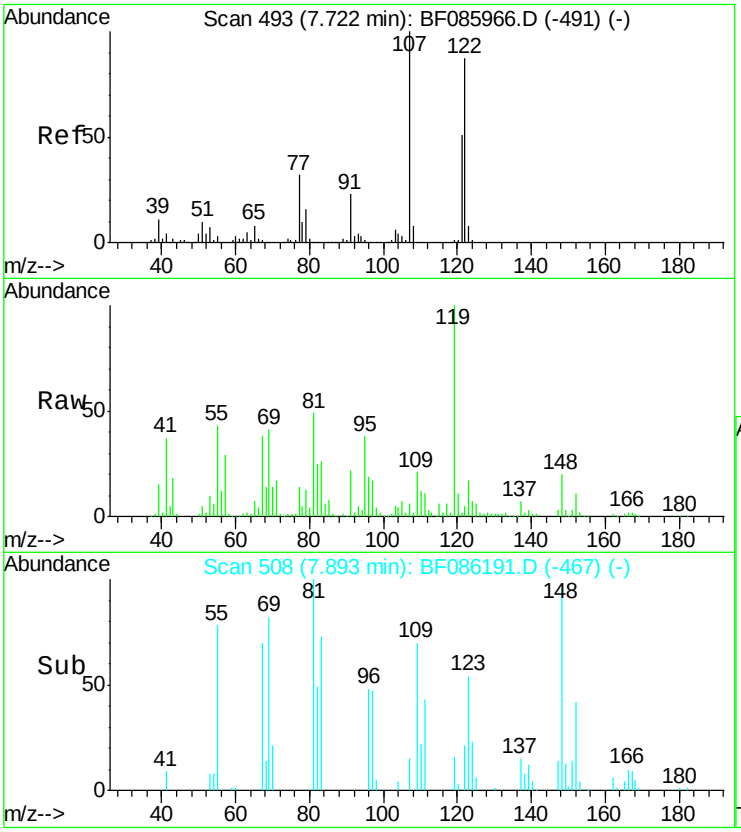




#26
2-Nitrophenol
Concen:  8.00 ng
RT: 7.65 min  Scan# 487
Delta R.T.  -0.02 min
Lab File:  BF086191.D
Acq:  9 Apr 2016  2:02

Tgt Ion:139 Resp:  13930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 344.6 | 22.1 | 33.1# |
| 65 | 193.6 | 33.9 | 50.9# |



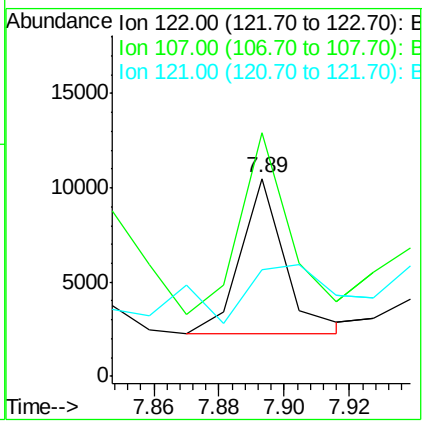


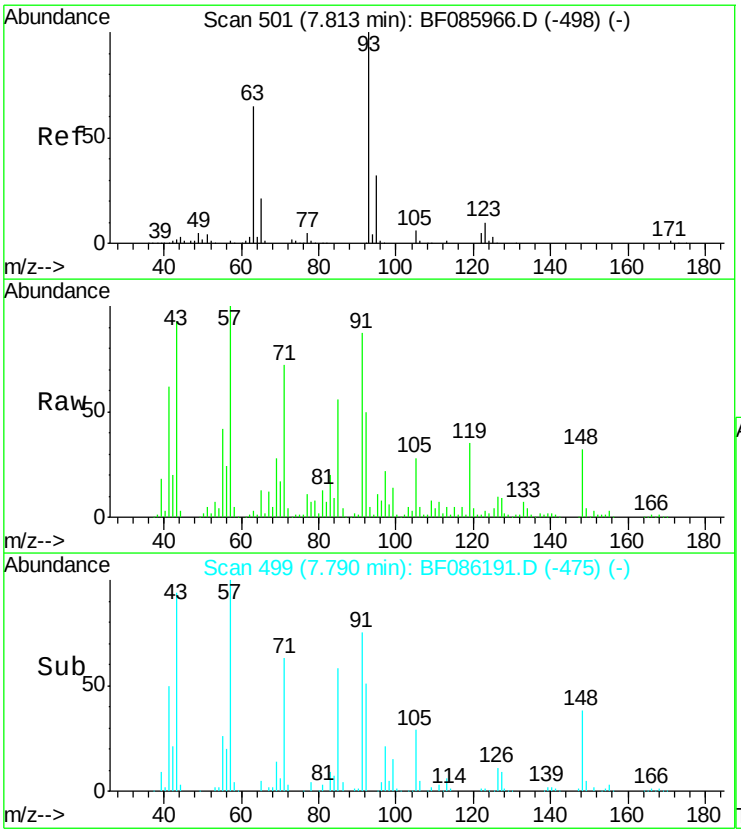

#27
2,4-Dimethylphenol
Concen: 2.48 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.17 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:122 Resp: 7773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 123.0 | 93.0 | 139.6 |
| 121 | 54.1 | 45.9 | 68.9 |

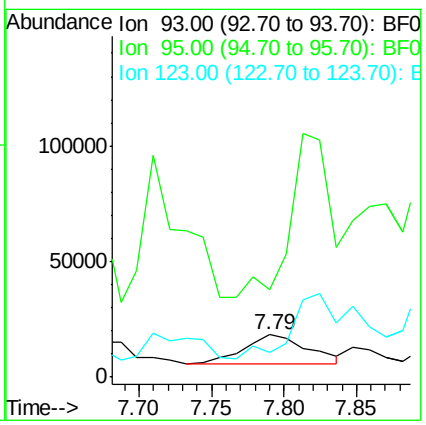


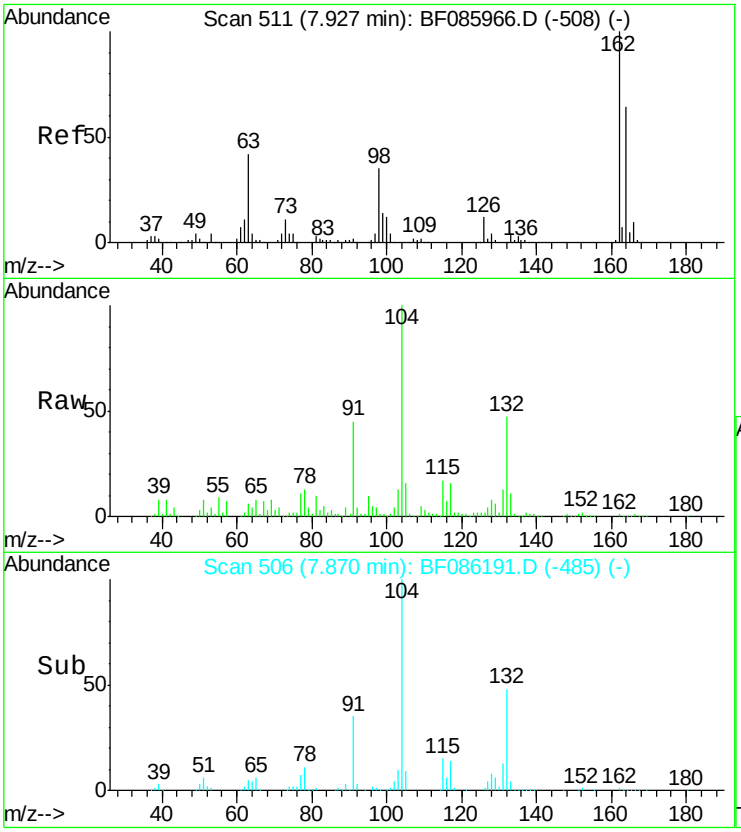




#28
bis(2-Chloroethoxy)methane
Concen: 9.75 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion: 93 Resp: 37593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 207.0 | 26.4 | 39.6# |
| 123 | 60.0 | 9.8 | 14.6# |



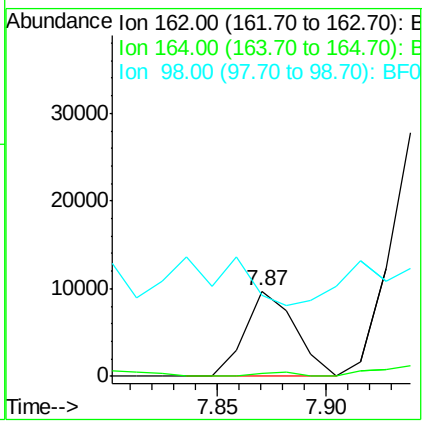


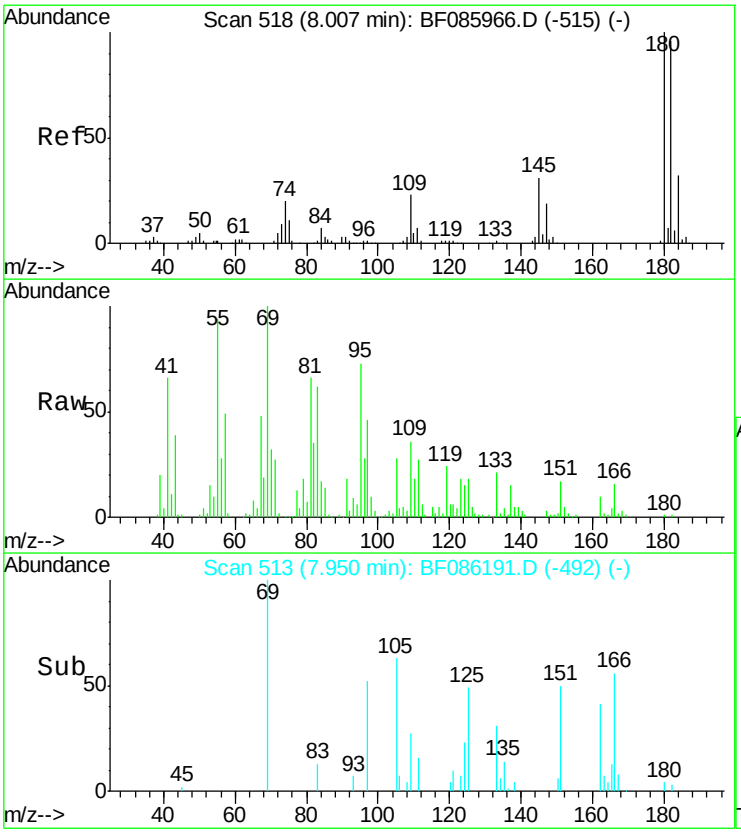

#29
2,4-Dichlorophenol
Concen: 5.90 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:162 Resp: 15616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 3.9 | 43.7 | 83.7# |
| 98 | 94.8 | 20.4 | 60.4# |

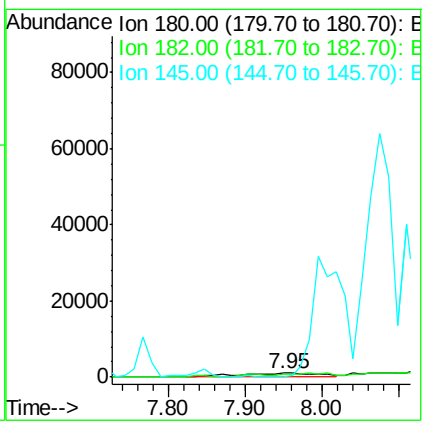


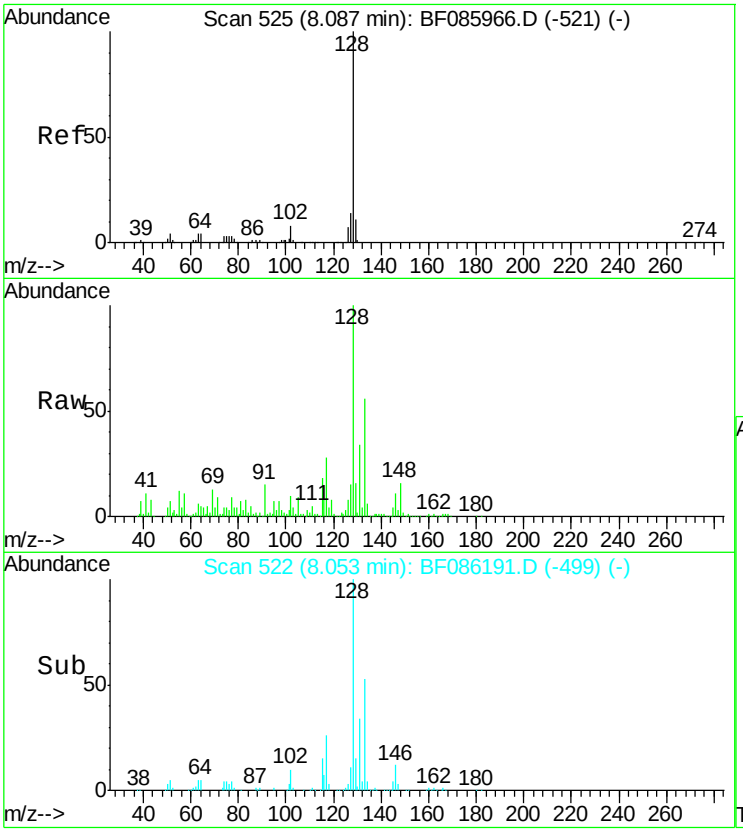




#30
1,2,4-Trichlorobenzene
Concen: 2.62 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:180 Resp: 7772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 89.6 | 73.8 | 110.8 |
| 145 | 0.0 | 28.4 | 42.6# |



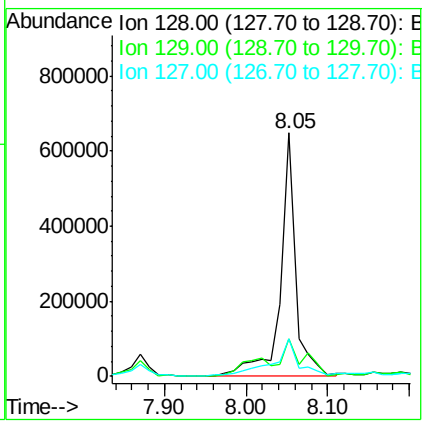


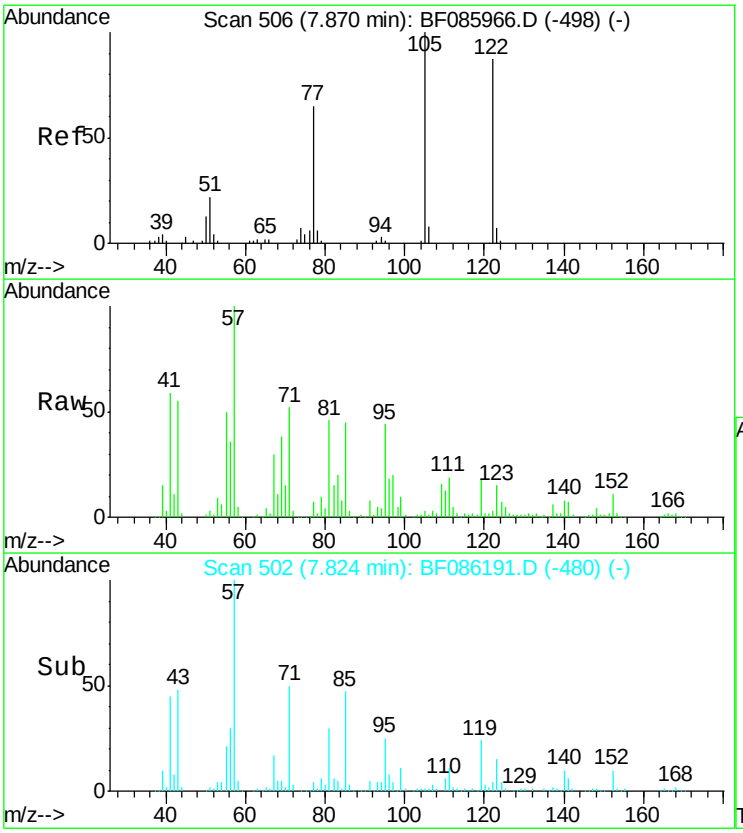

#31
Naphthalene
Concen: 83.75 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:128 Resp: 826684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.6 | 9.4 | 14.0# |
| 127 | 15.2 | 11.0 | 16.6 |

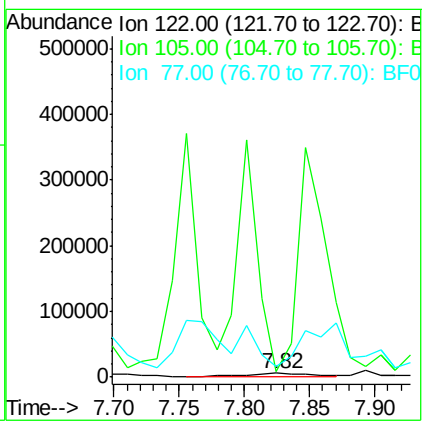


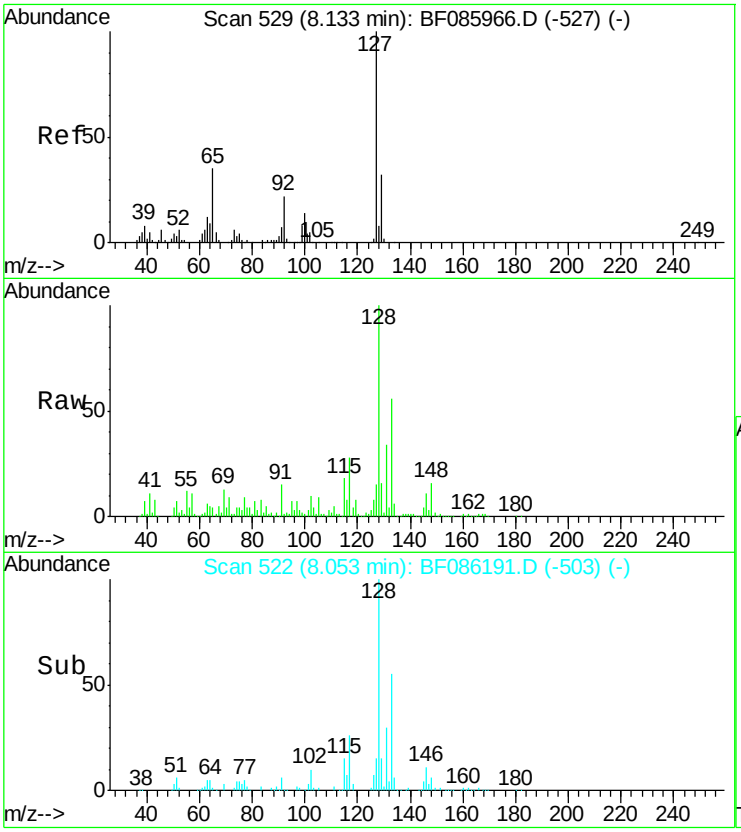




#32
Benzoic acid
Concen: 6.94 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:122 Resp: 15917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.5 | 102.9 | 142.9 |
| 77 | 258.2 | 71.8 | 111.8# |



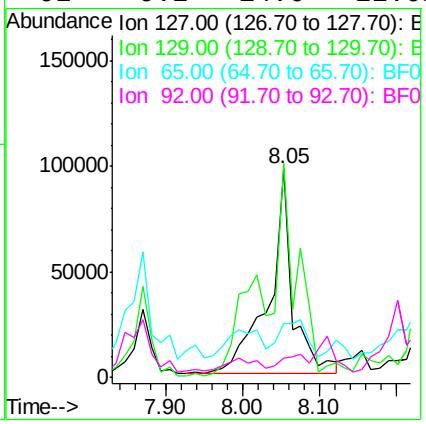


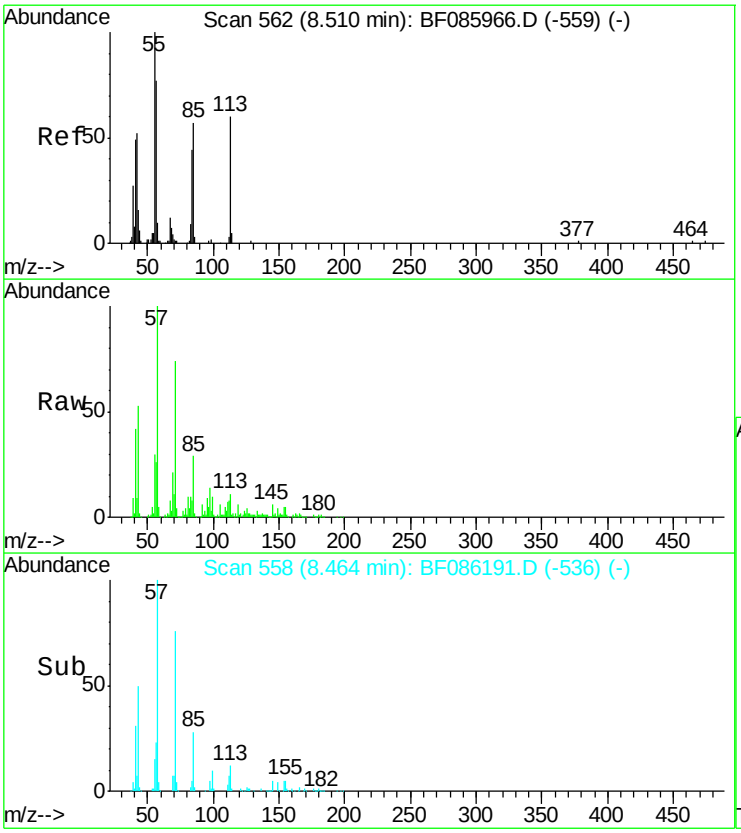

#33
4-Chloroaniline
Concen: 51.57 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.08 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:127 Resp: 205646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 102.4 | 26.1 | 39.1# |
| 65 | 25.7 | 19.5 | 29.3 |
| 92 | 9.2 | 14.6 | 22.0# |

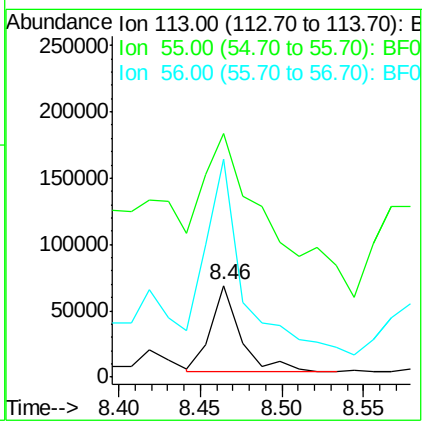


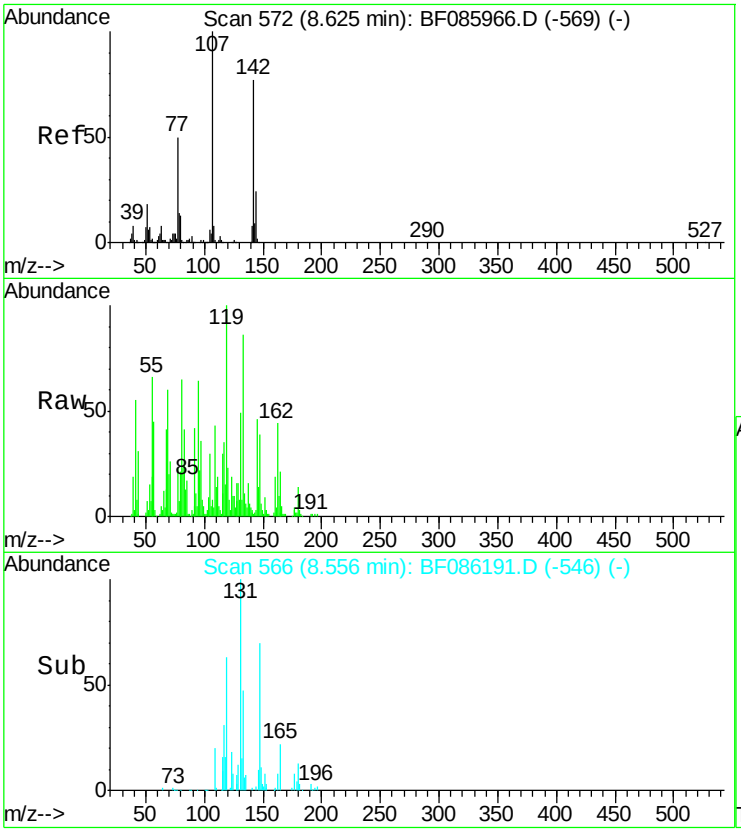




#35
Caprolactam
Concen: 96.61 ng
RT: 8.46 min Scan# 558
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:113 Resp: 81064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 266.2 | 139.4 | 179.4# |
| 56 | 238.1 | 100.4 | 140.4# |



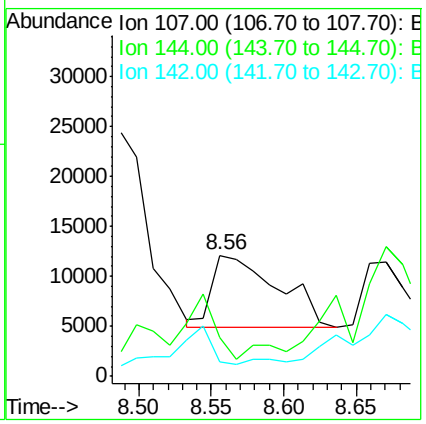


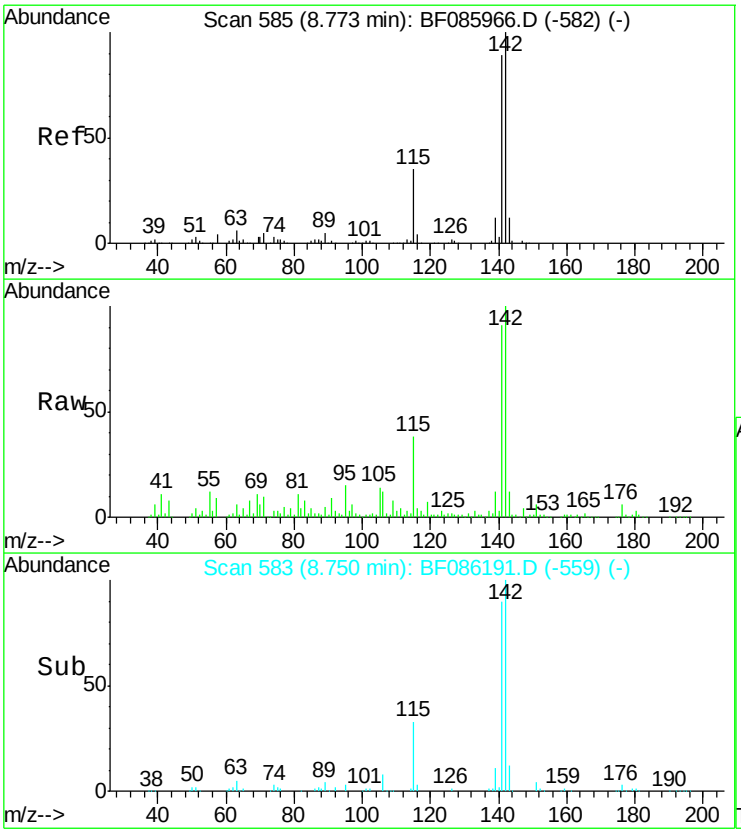

#36
4-Chloro-3-methylphenol
Concen: 7.73 ng
RT: 8.56 min Scan# 566
Delta R.T. -0.07 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:107 Resp: 22975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 32.4 | 19.3 | 28.9# |
| 142 | 12.1 | 61.4 | 92.0# |

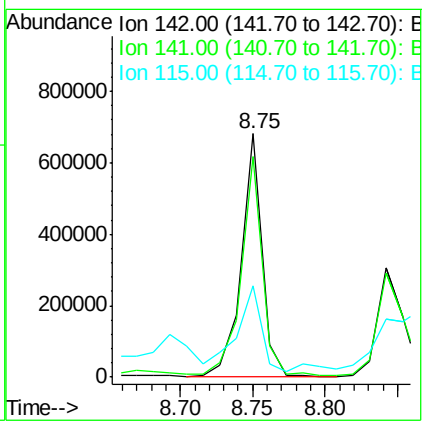


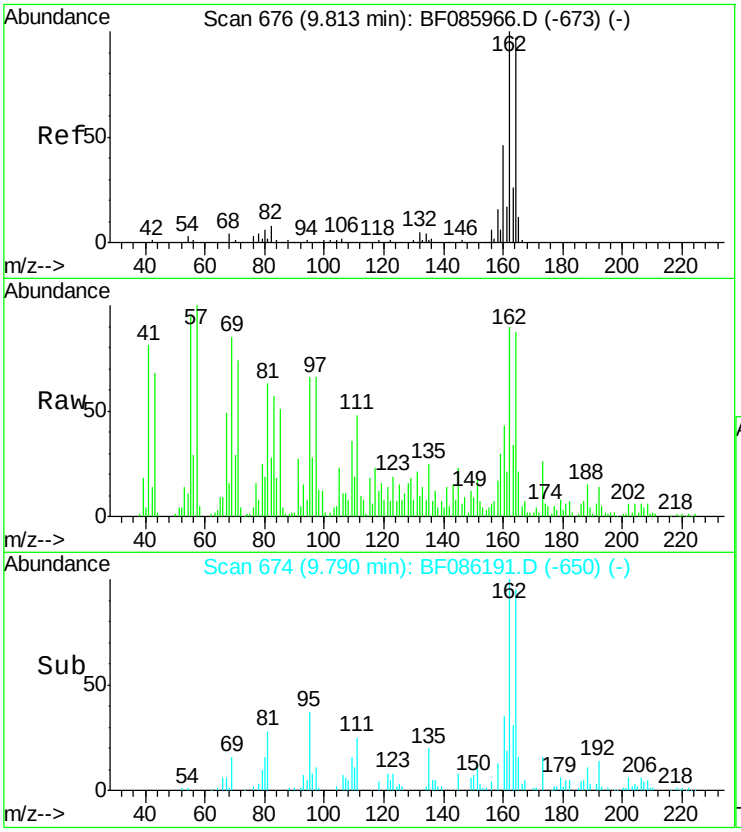




#37
2-Methylnaphthalene
Concen: 104.71 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:142 Resp: 675193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 71.6 | 107.4 |
| 115 | 37.6 | 26.8 | 40.2 |



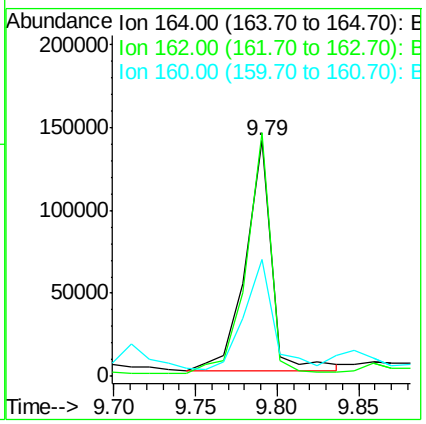


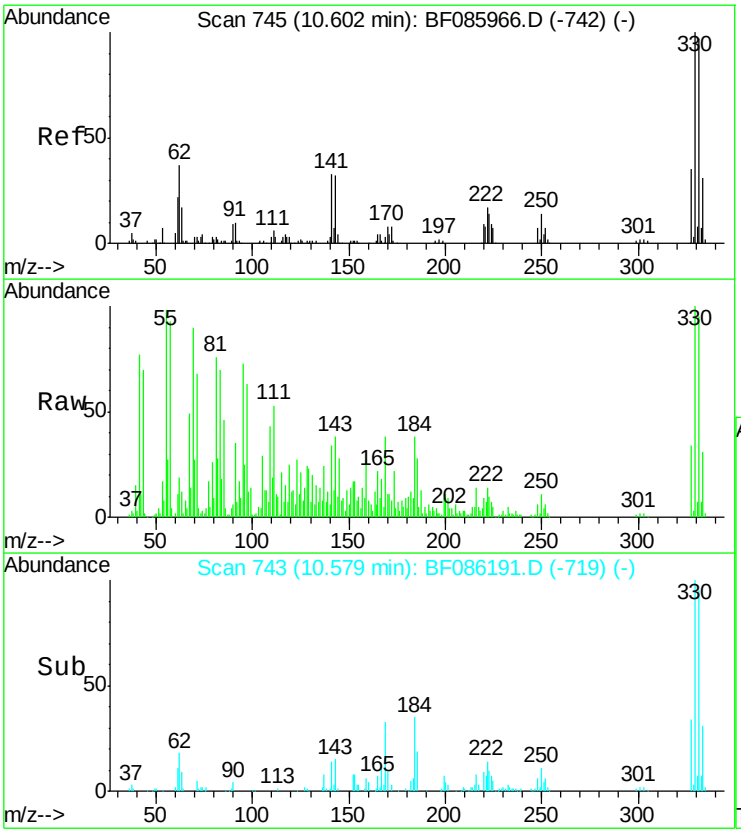

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:164 Resp: 155276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 82.1 | 123.1 |
| 160 | 49.8 | 37.4 | 56.2 |

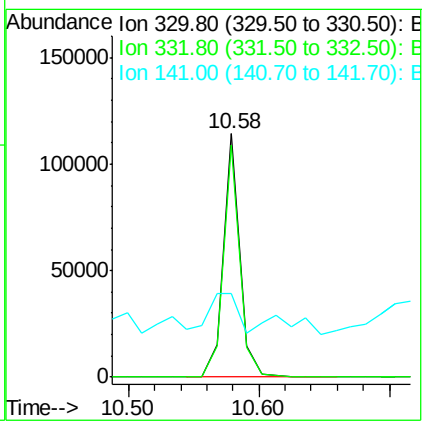


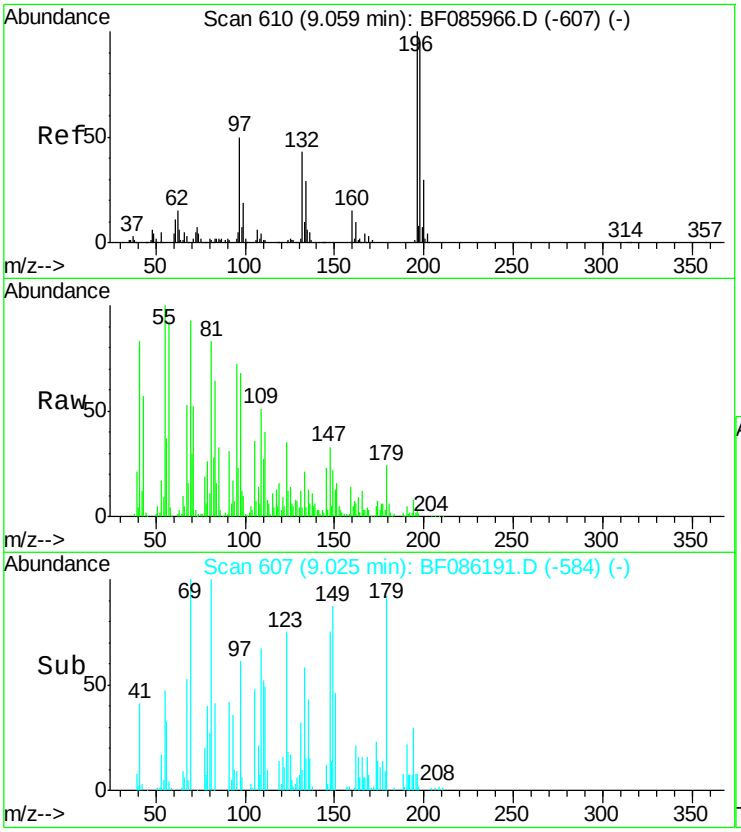




#41
2,4,6-Tribromophenol
Concen: 69.18 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:330 Resp: 100830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 78.2 | 117.2 |
| 141 | 40.6 | 31.5 | 47.3 |



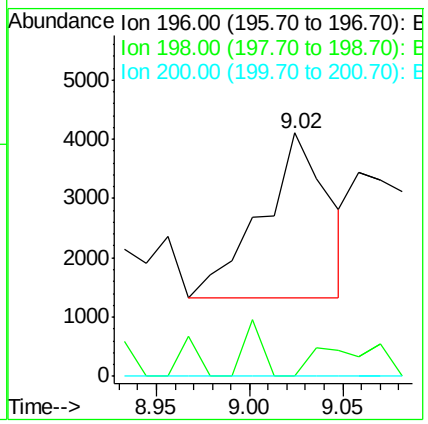


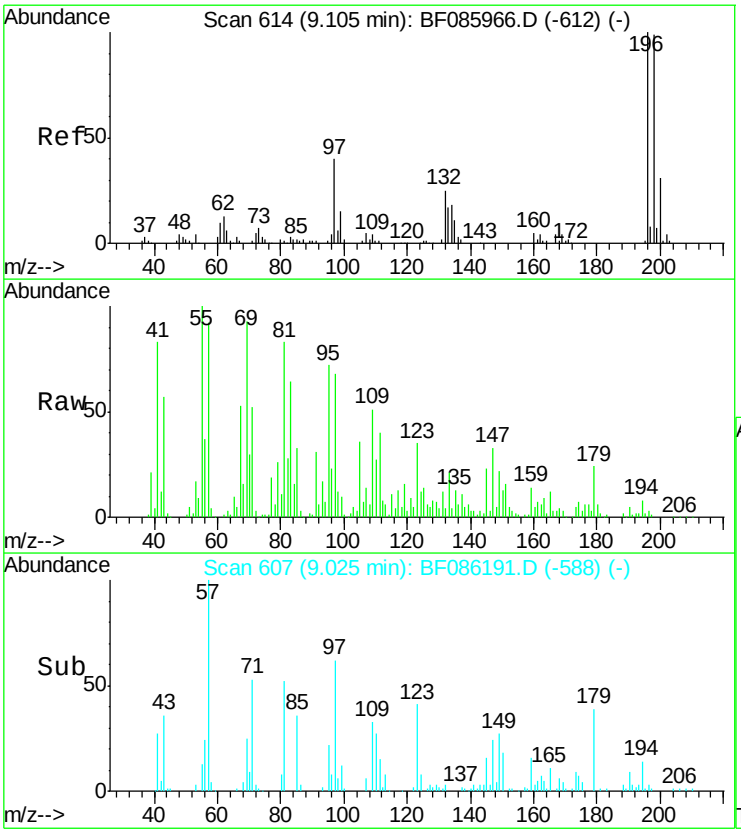

#42
2,4,6-Trichlorophenol
Concen: 2.29 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:196 Resp: 6860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 0.0 | 75.3 | 112.9# |
| 200 | 0.0 | 23.7 | 35.5# |

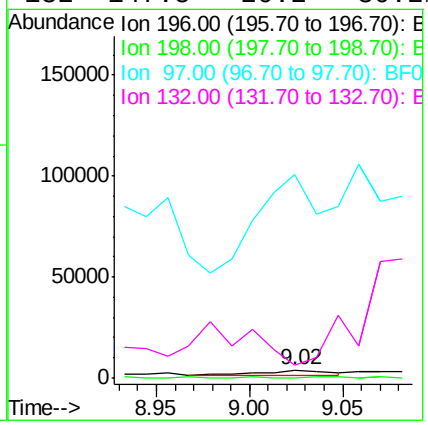


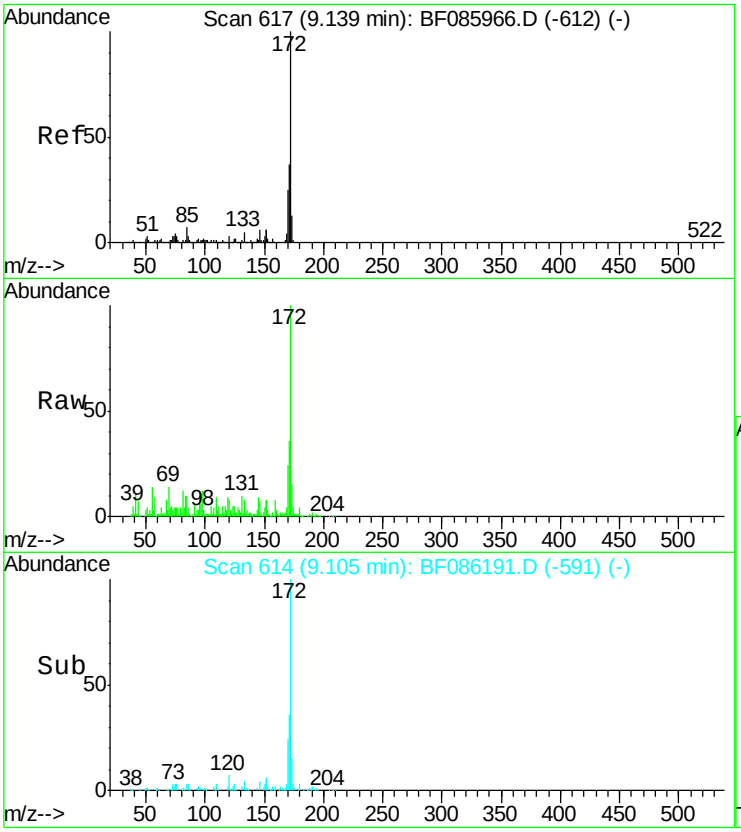




#43
2,4,5-Trichlorophenol
Concen: 2.25 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.08 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:196 Resp: 6860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 0.0 | 76.6 | 114.8# |
| 97 | 2453.4 | 30.5 | 45.7# |
| 132 | 147.5 | 20.2 | 30.2# |



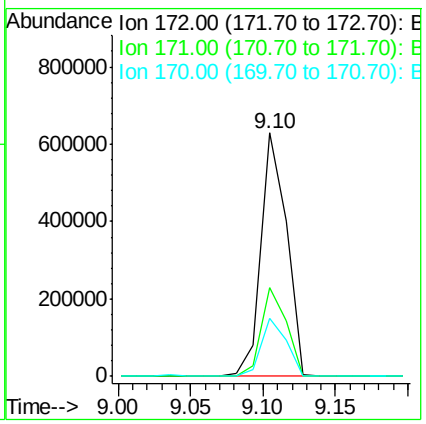


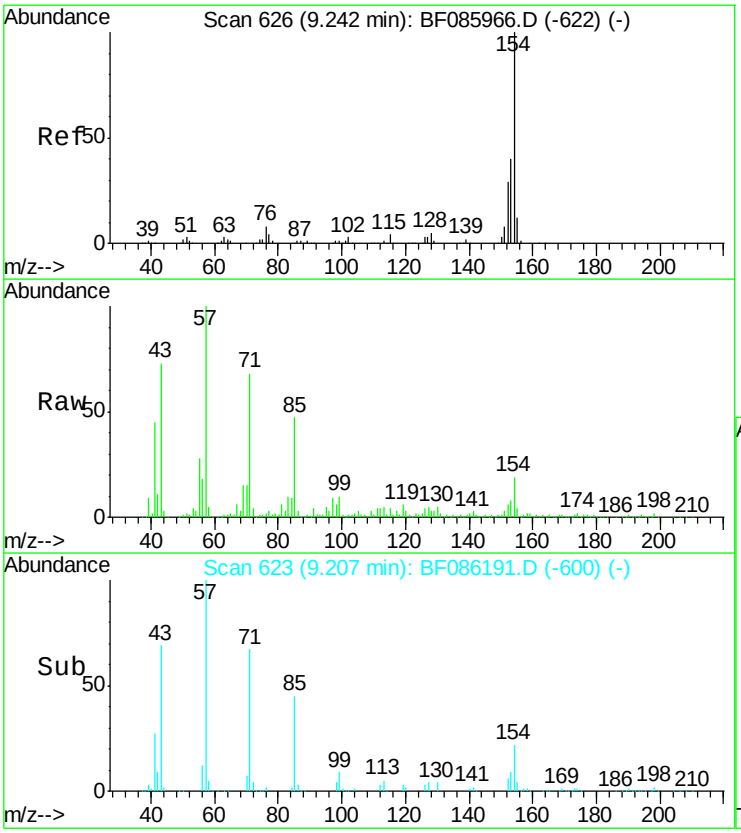

#44
2-Fluorobiphenyl
Concen: 83.02 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:172 Resp: 775326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.4 | 44.2 |
| 170 | 23.9 | 19.8 | 29.6 |

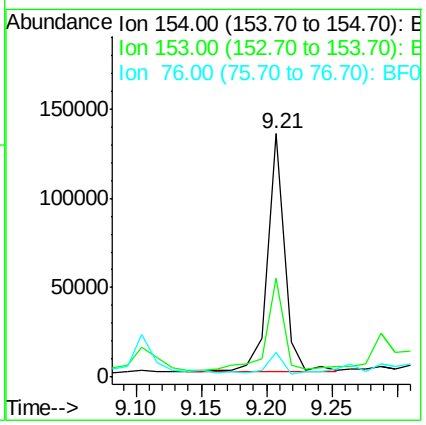


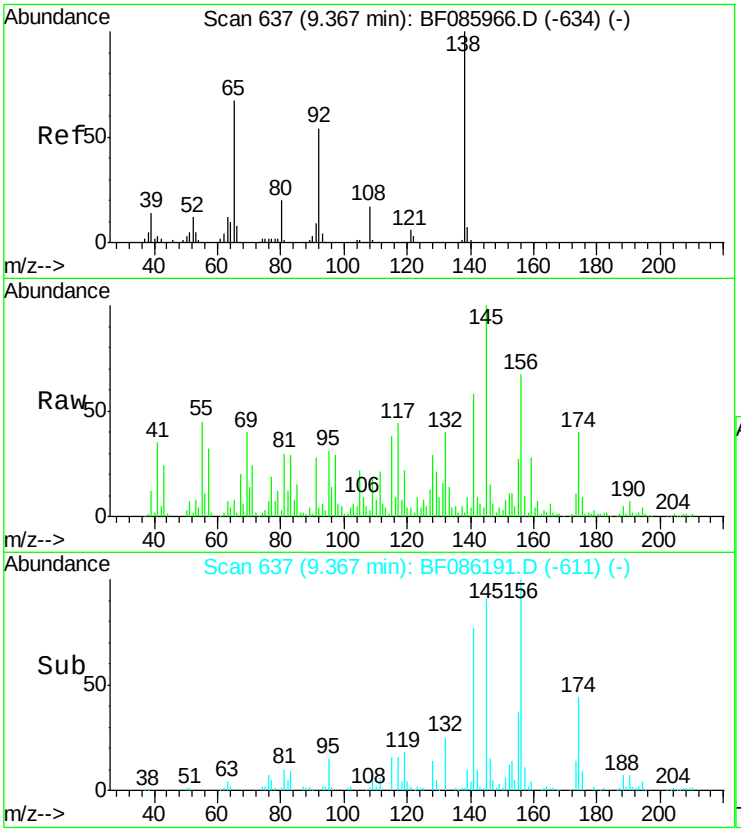




#45
1,1'-Biphenyl
Concen: 9.18 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:154 Resp: 122854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.8 | 60.8 |
| 76 | 10.0 | 0.0 | 36.7 |



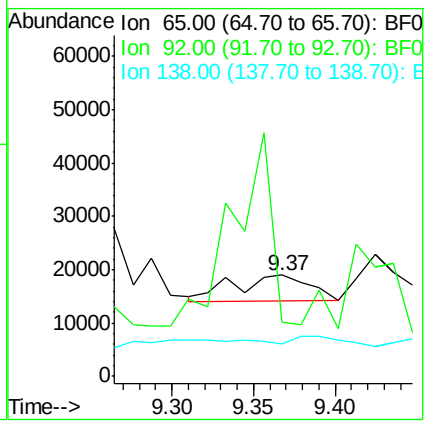


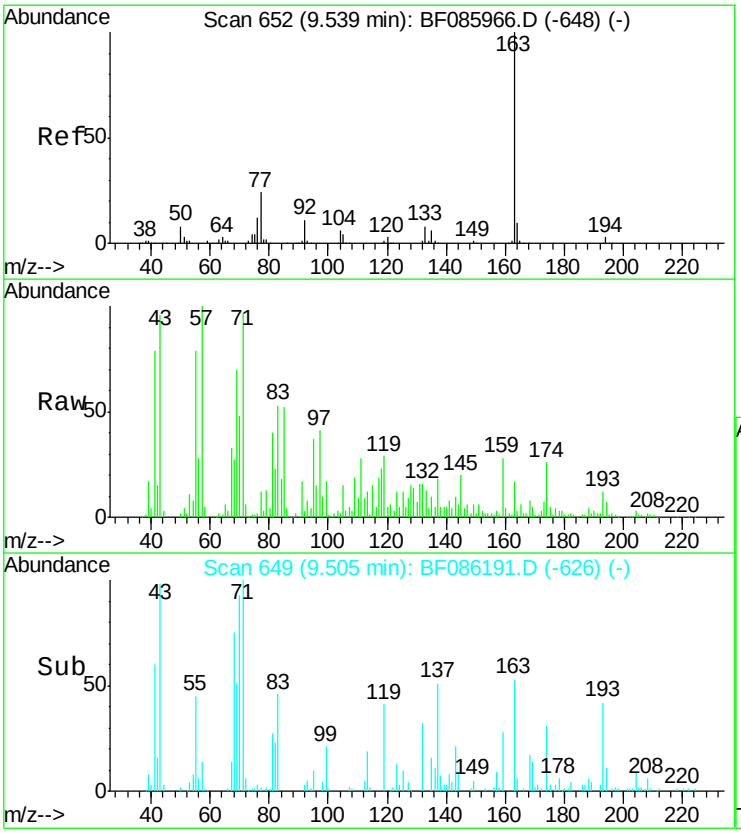

#47
2-Nitroaniline
Concen: 5.46 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.00 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion: 65 Resp: 15493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 53.8 | 59.7 | 89.5# |
| 138 | 32.2 | 91.4 | 137.0# |

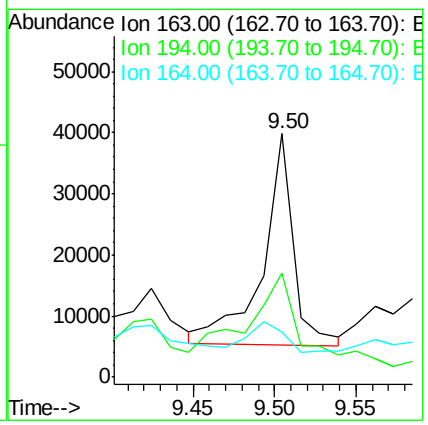


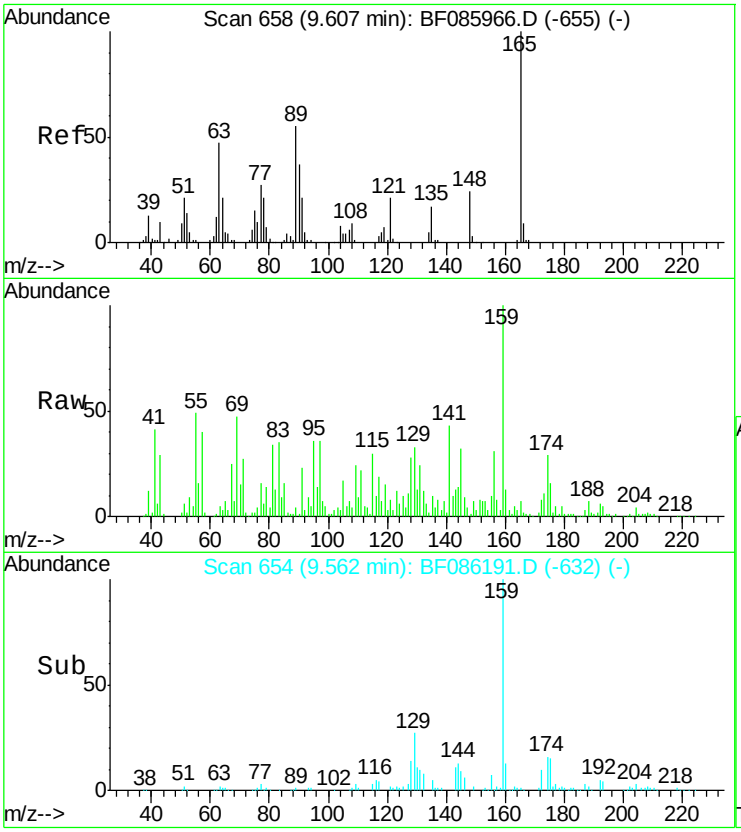




#49
Dimethylphthalate
Concen: 3.98 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:163 Resp: 45766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 42.7 | 2.9 | 4.3# |
| 164 | 18.7 | 8.3 | 12.5# |



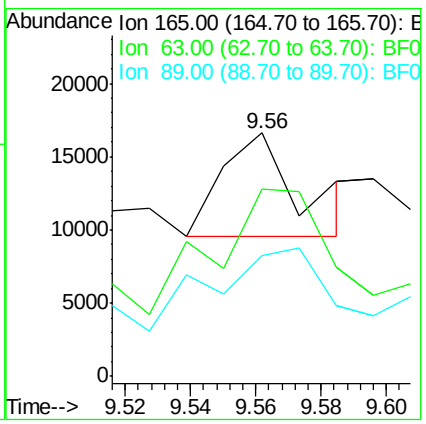


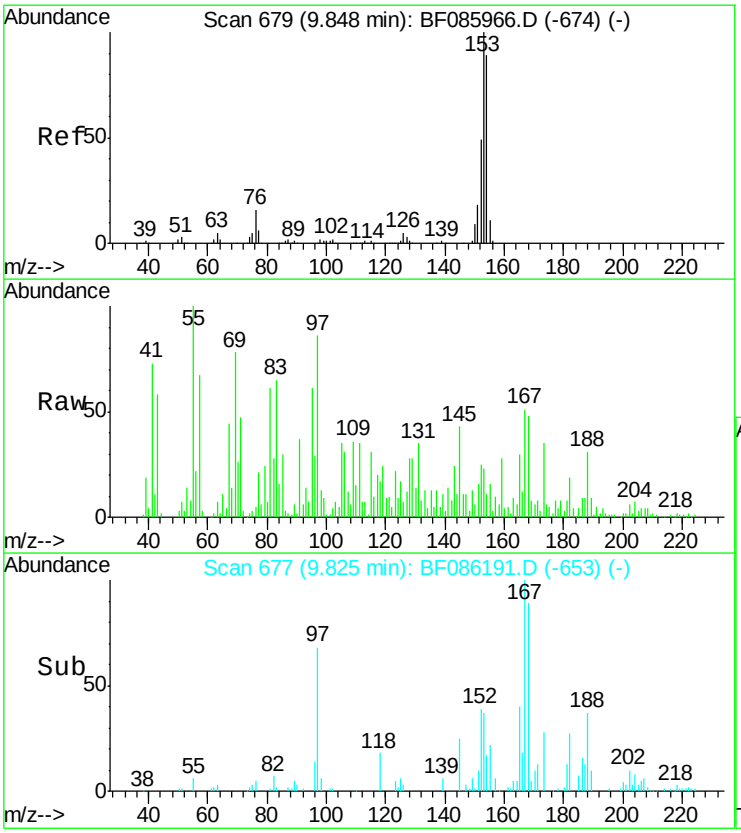

#50
2,6-Dinitrotoluene
Concen: 4.79 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:165 Resp: 11672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 77.1 | 51.8 | 77.8 |
| 89 | 49.3 | 53.7 | 80.5# |

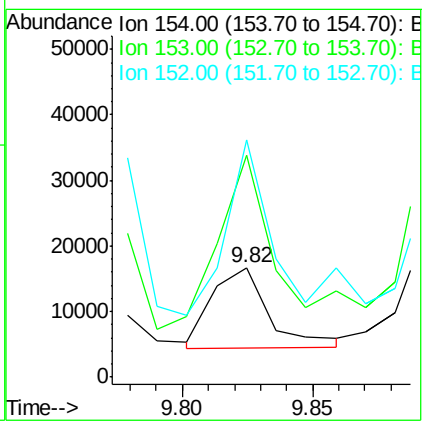


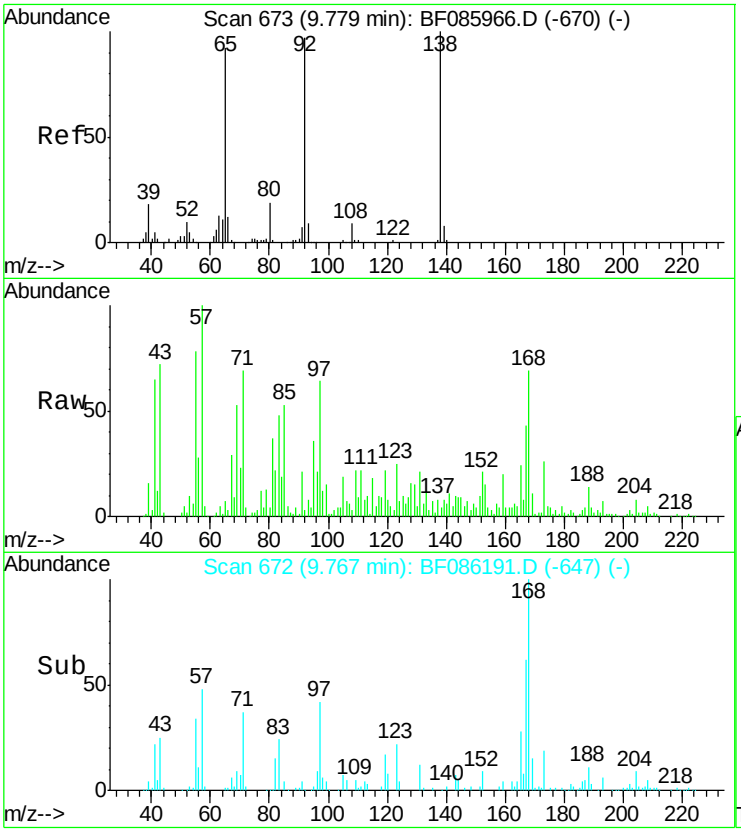




#51
Acenaphthene
Concen: 2.06 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:154 Resp: 19085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 201.5 | 90.1 | 135.1# |
| 152 | 216.6 | 44.2 | 66.2# |



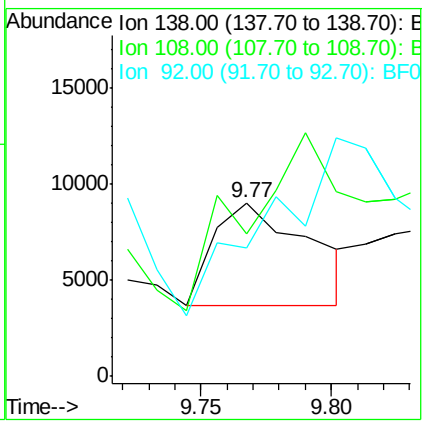


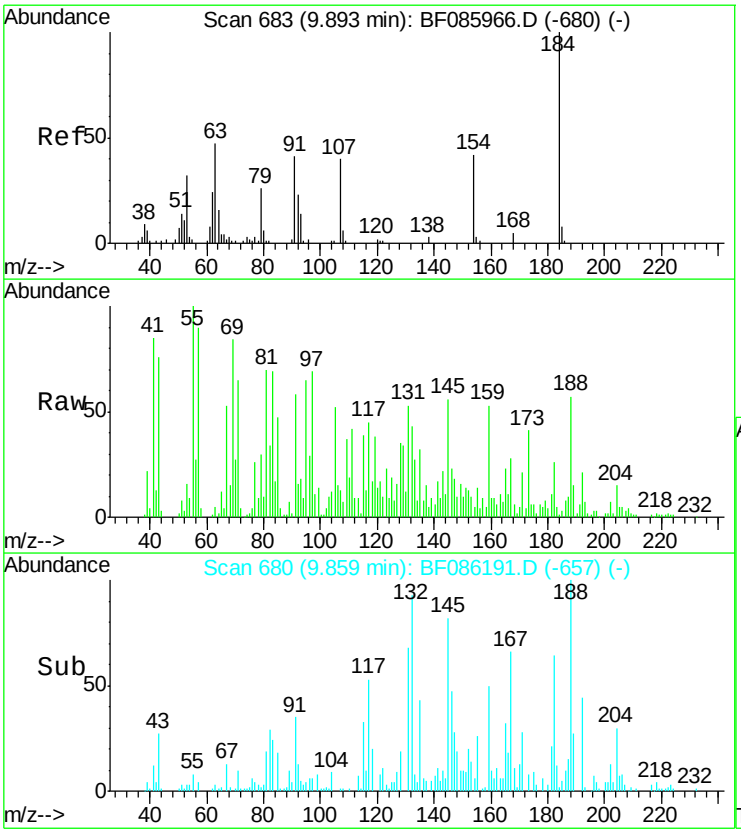

#52
3-Nitroaniline
Concen: 4.64 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:138 Resp: 13603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 81.7 | 8.7 | 13.1# |
| 92 | 73.9 | 93.3 | 139.9# |

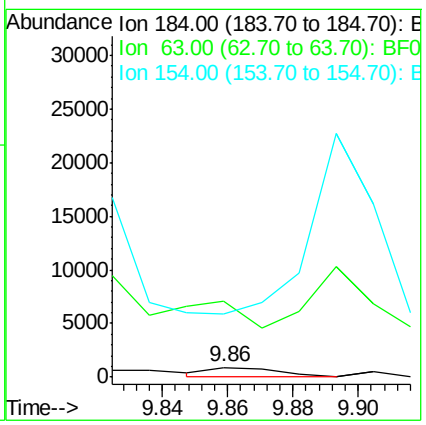


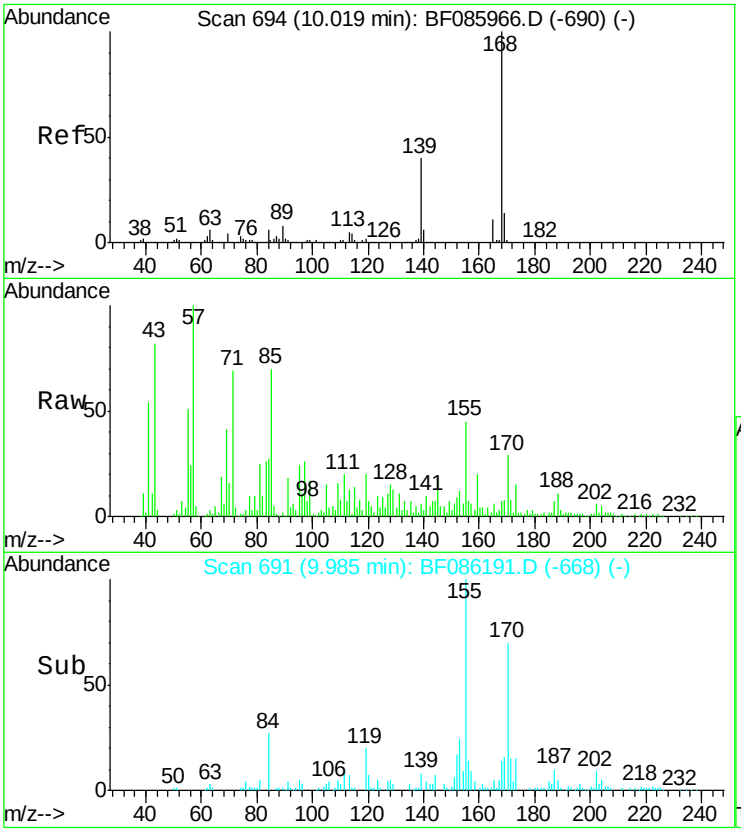




#53
2,4-Dinitrophenol
Concen: 3.44 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:184 Resp: 1293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 816.8 | 69.5 | 104.3# |
| 154 | 679.7 | 58.3 | 87.5# |



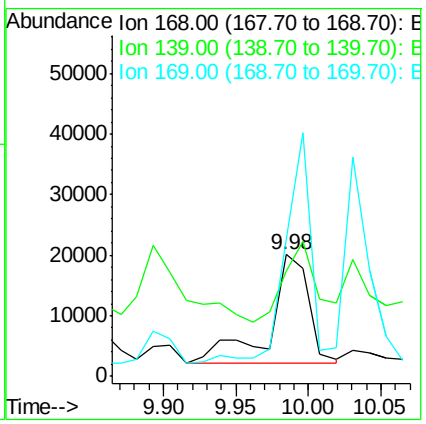


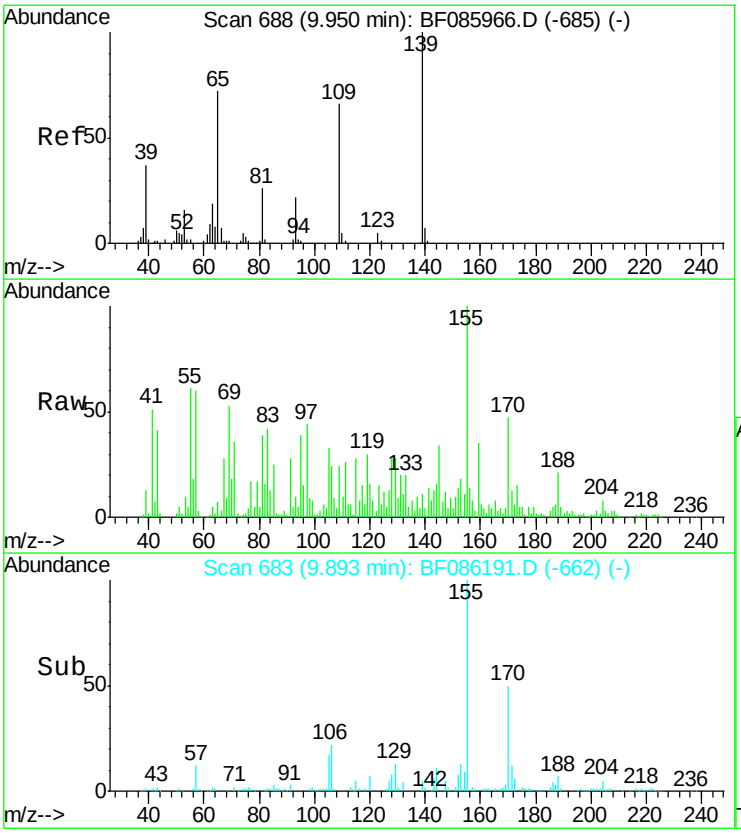

#54
Dibenzofuran
Concen: 2.81 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:168 Resp: 34310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 86.7 | 31.9 | 47.9# |
| 169 | 112.7 | 11.0 | 16.6# |

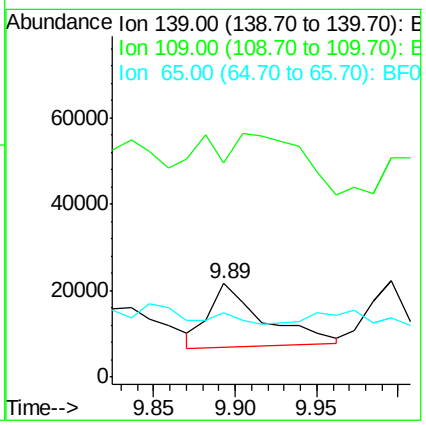


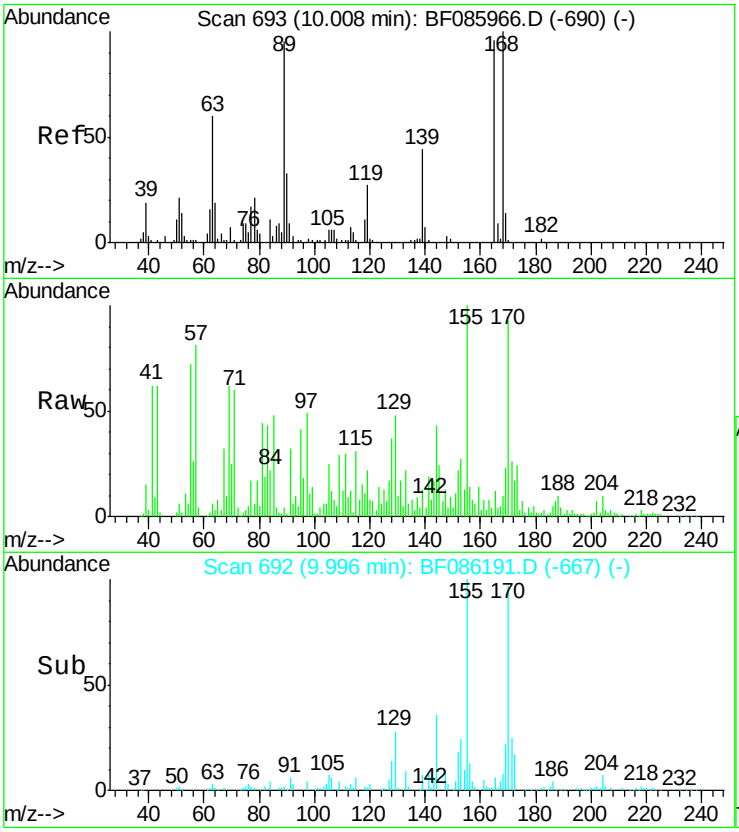




#55
4-Nitrophenol
Concen: 20.09 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:139 Resp: 34752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 228.8 | 49.2 | 89.2# |
| 65 | 69.1 | 66.9 | 106.9 |



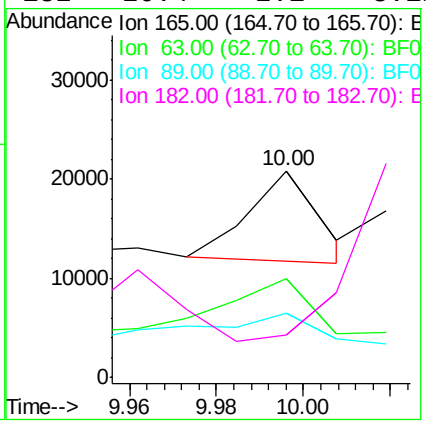


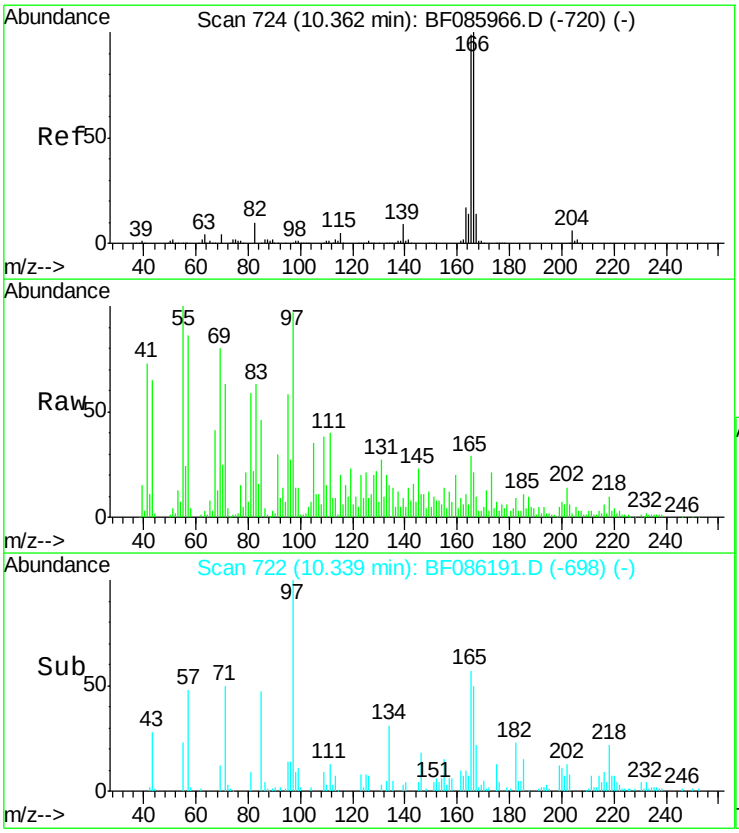

#56
2,4-Dinitrotoluene
Concen: 3.23 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:165 Resp: 9944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.8 | 24.9 | 37.3# |
| 89 | 31.2 | 41.0 | 61.6# |
| 182 | 20.4 | 2.1 | 3.1# |

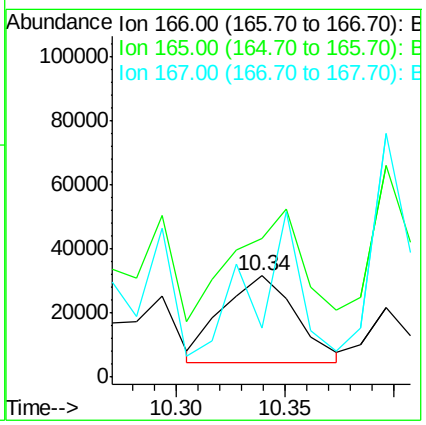


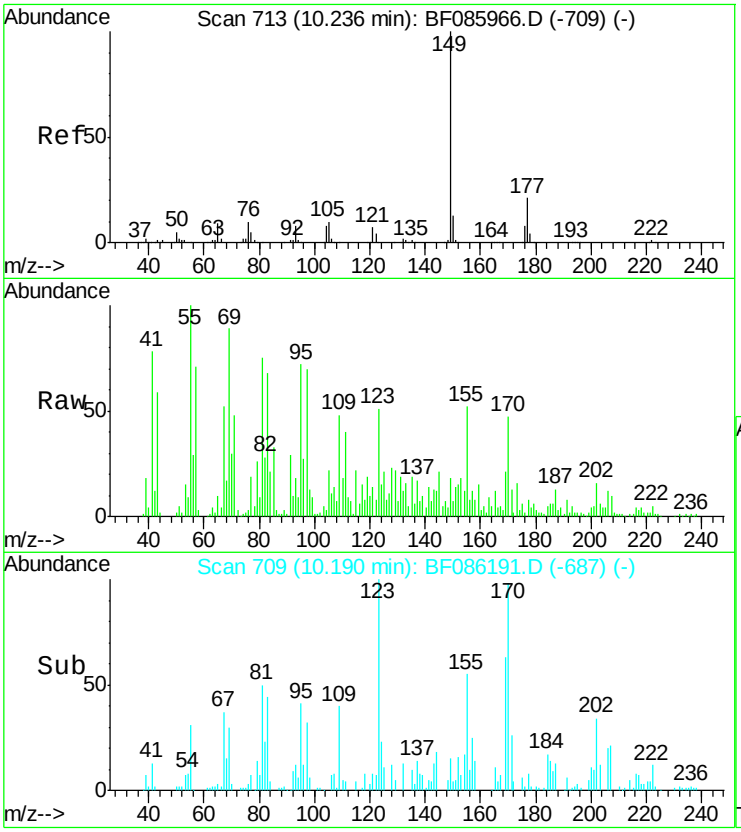




#57
Fluorene
Concen: 6.08 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:166 Resp: 63390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 137.4 | 79.4 | 119.0# |
| 167 | 48.8 | 11.0 | 16.4# |



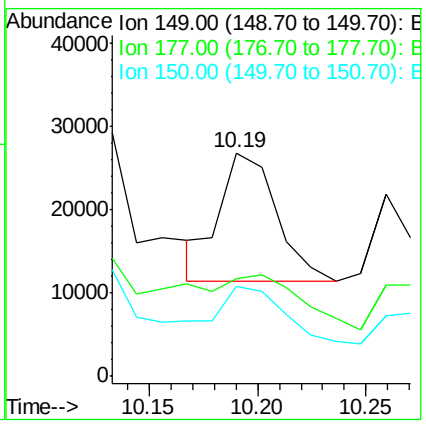


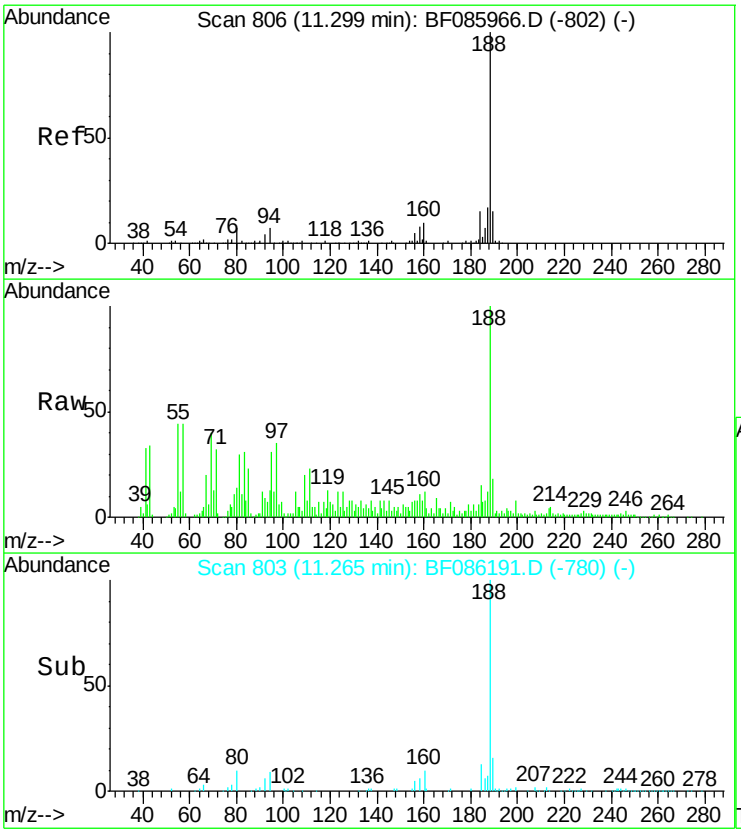

#59
Diethylphthalate
Concen: 2.42 ng
RT: 10.19 min Scan# 709
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:149 Resp: 28122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 43.5 | 17.9 | 26.9# |
| 150 | 40.2 | 10.2 | 15.2# |

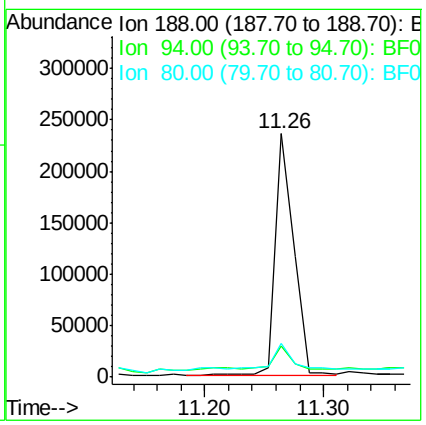


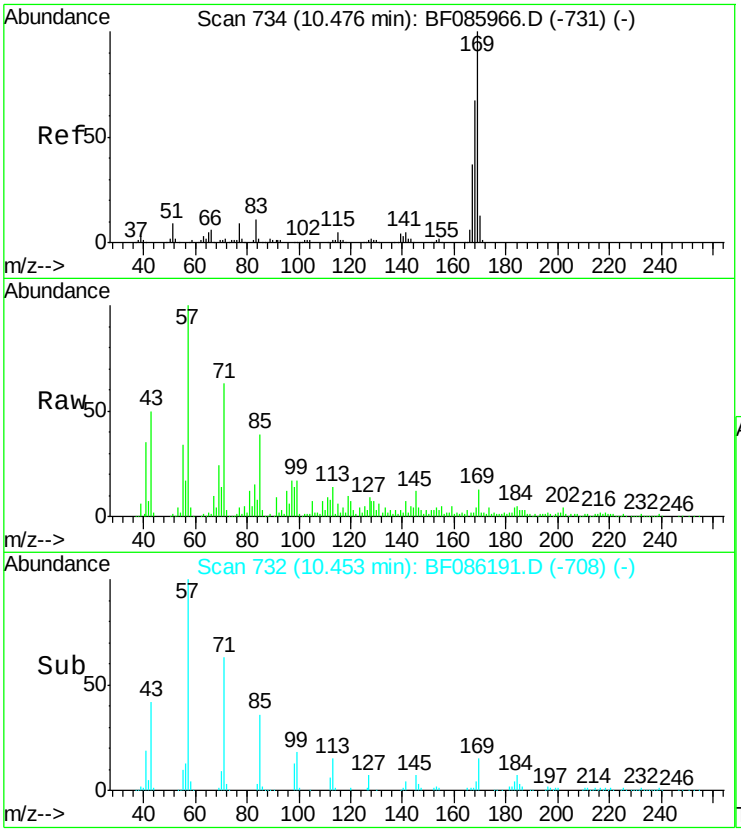




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:188 Resp: 251004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.0 | 5.4 | 8.0# |
| 80 | 13.9 | 5.5 | 8.3# |



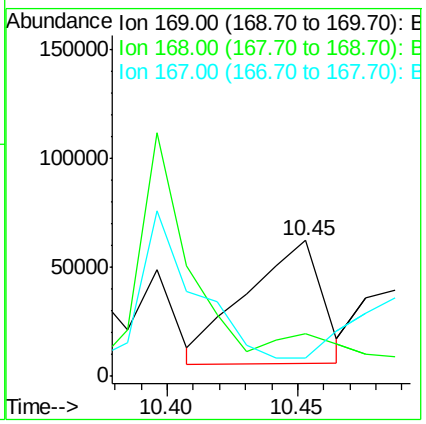


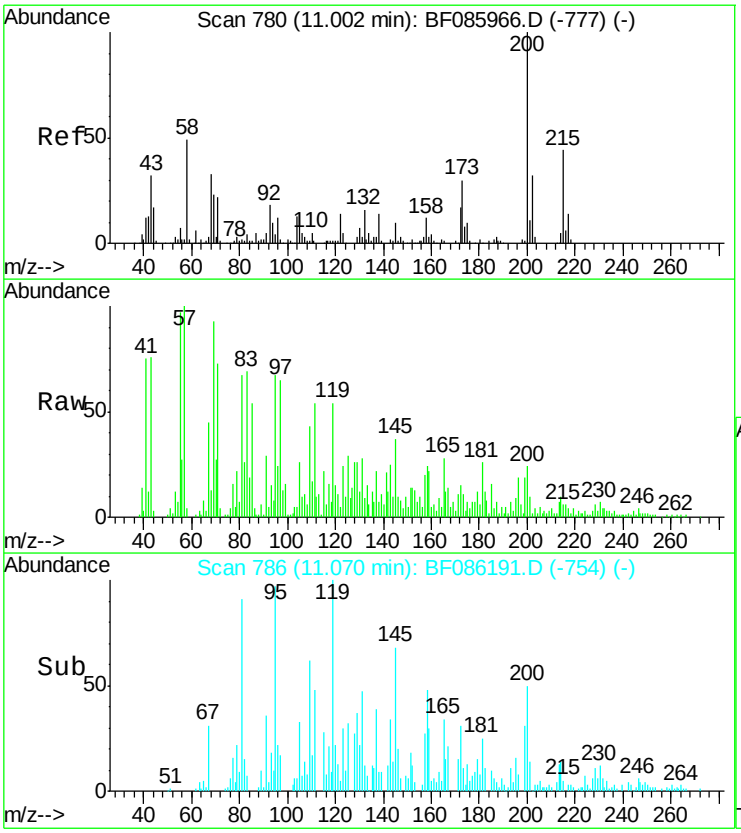

#65
n-Nitrosodiphenylamine
Concen: 14.58 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:169 Resp: 114488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 31.3 | 54.4 | 81.6# |
| 167 | 13.1 | 29.4 | 44.0# |

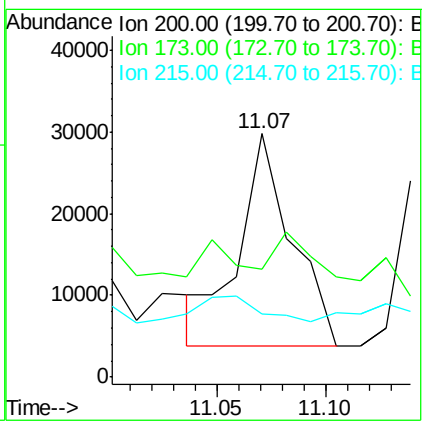


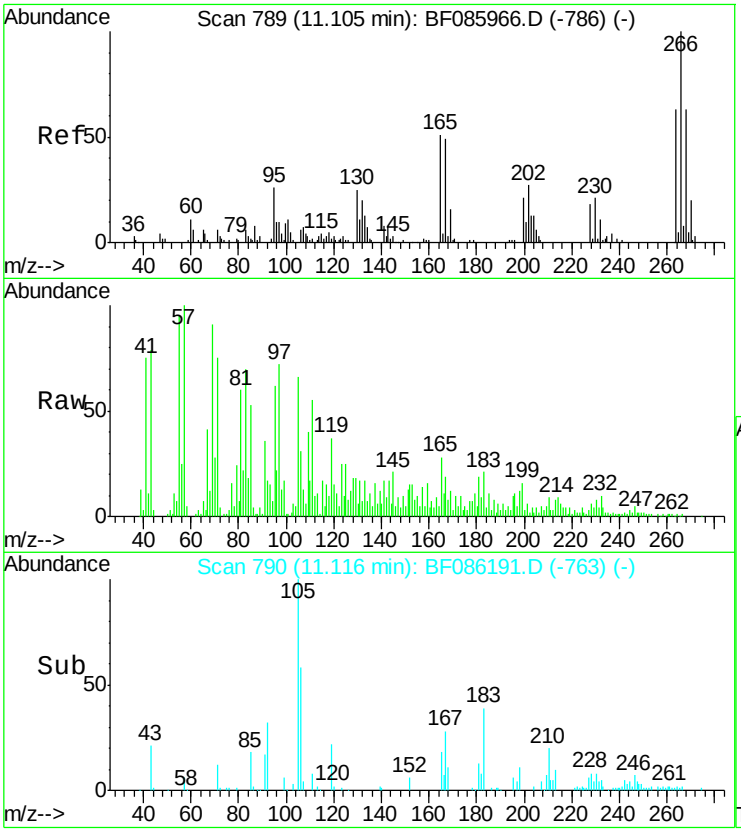




#68
Atrazine
Concen: 17.37 ng
RT: 11.07 min Scan# 786
Delta R.T. 0.07 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:200 Resp: 44050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 44.4 | 7.7 | 47.7 |
| 215 | 25.8 | 25.4 | 65.4 |



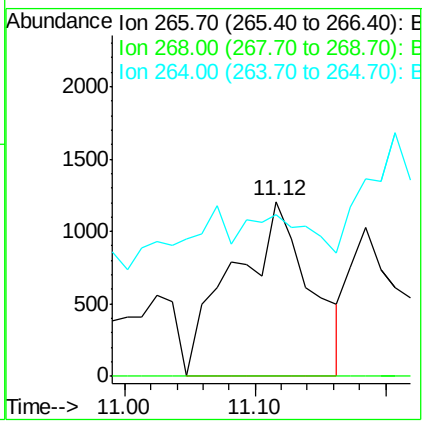


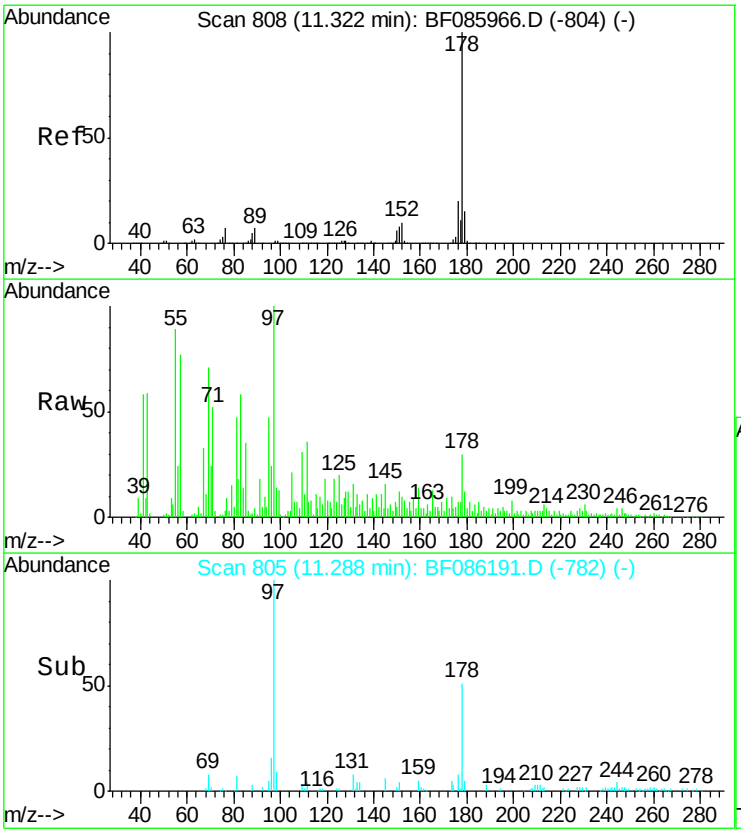

#69
Pentachlorophenol
Concen: 3.95 ng
RT: 11.12 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:266 Resp: 4910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 0.0 | 51.5 | 77.3# |
| 264 | 92.5 | 50.6 | 76.0# |

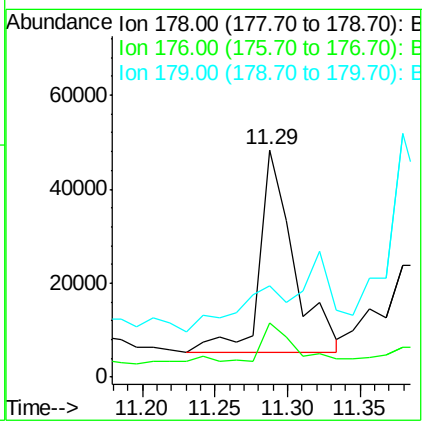


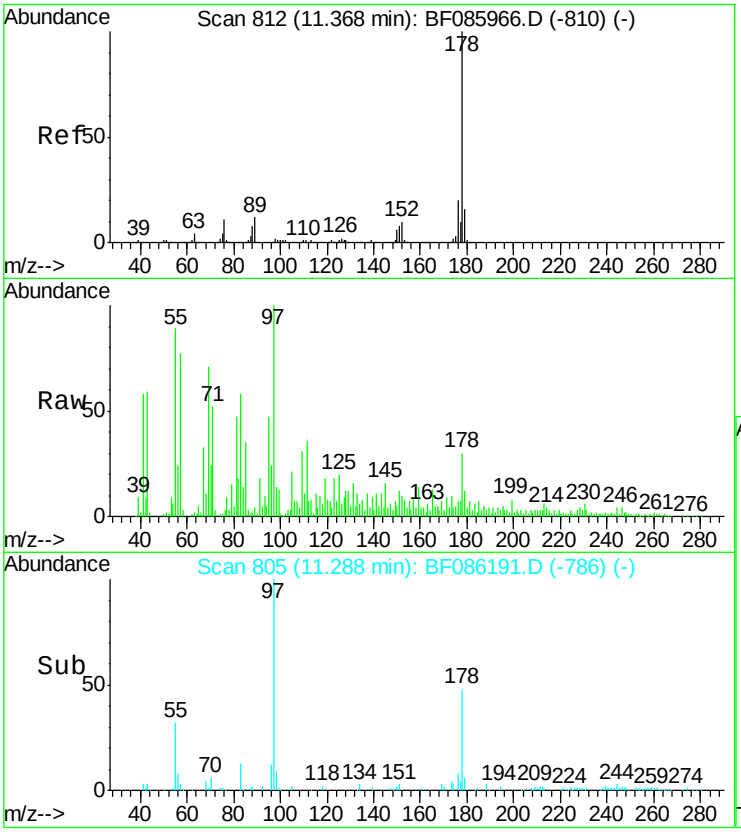




#70
Phenanthrene
Concen: 5.20 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:178 Resp: 71249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 23.7 | 16.3 | 24.5 |
| 179 | 40.0 | 12.6 | 18.8# |



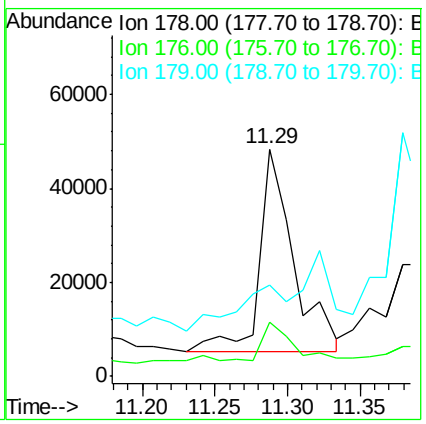


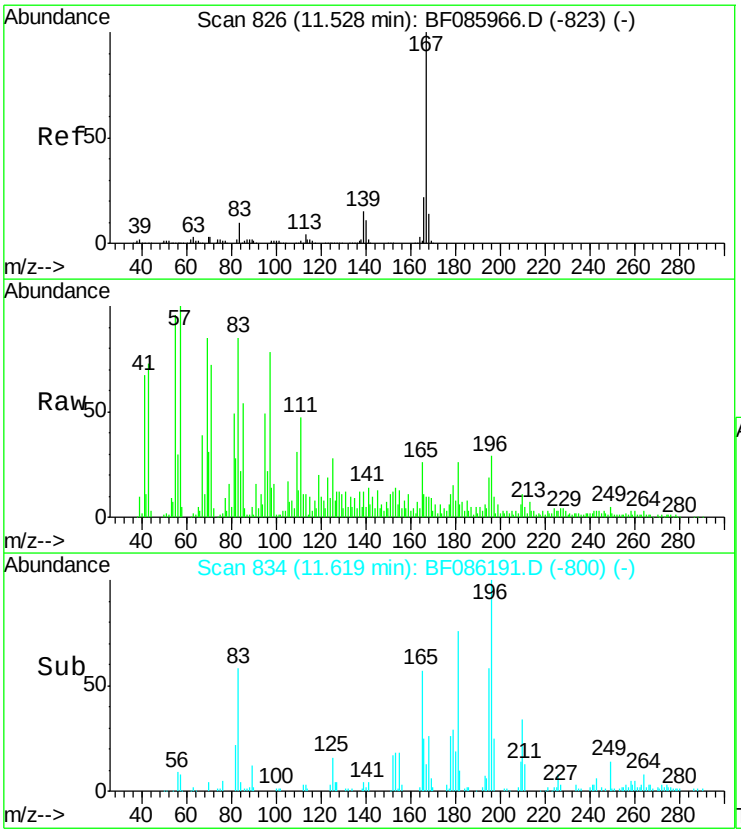

#71
Anthracene
Concen: 4.98 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.08 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:178 Resp: 71450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 23.7 | 15.9 | 23.9 |
| 179 | 40.0 | 13.0 | 19.4# |

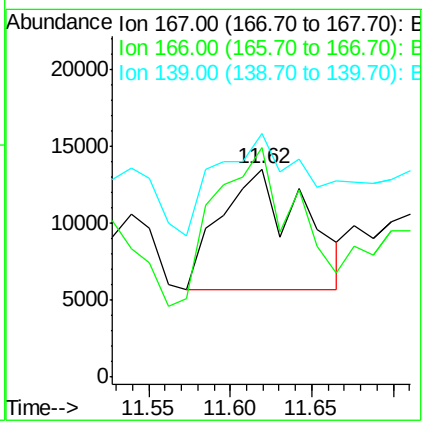


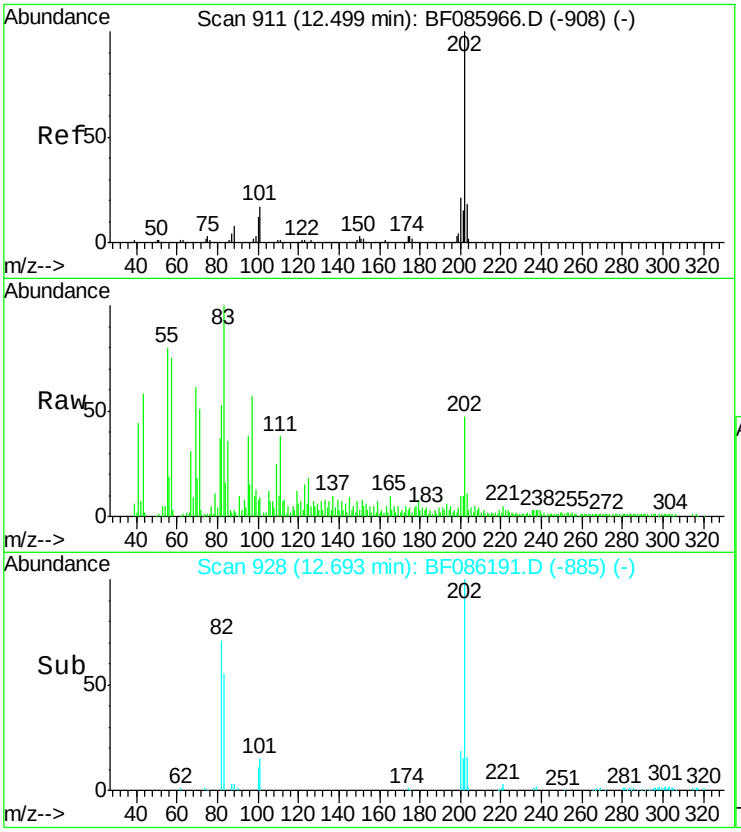




#72
Carbazole
Concen: 2.23 ng
RT: 11.62 min Scan# 834
Delta R.T. 0.09 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:167 Resp: 27479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 109.9 | 17.8 | 26.8# |
| 139 | 116.9 | 11.6 | 17.4# |



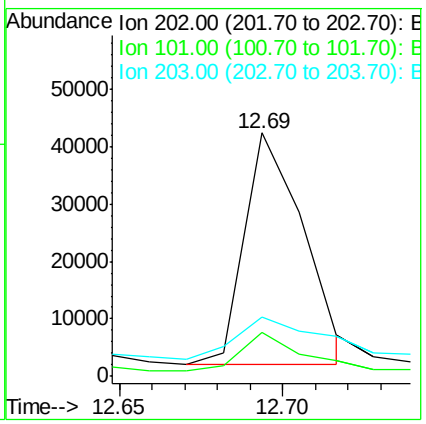


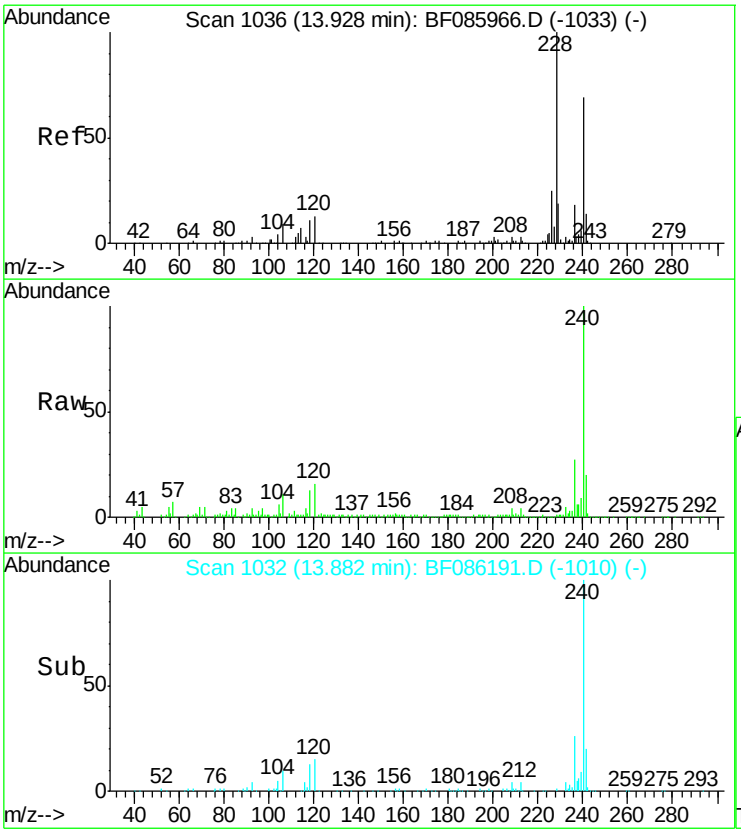

#74
Fluoranthene
Concen: 3.55 ng
RT: 12.69 min Scan# 928
Delta R.T. 0.19 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:202 Resp: 50595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.3 | 0.0 | 36.6 |
| 203 | 24.2 | 0.0 | 38.1 |

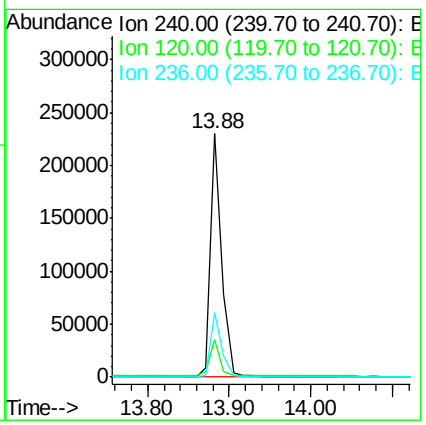


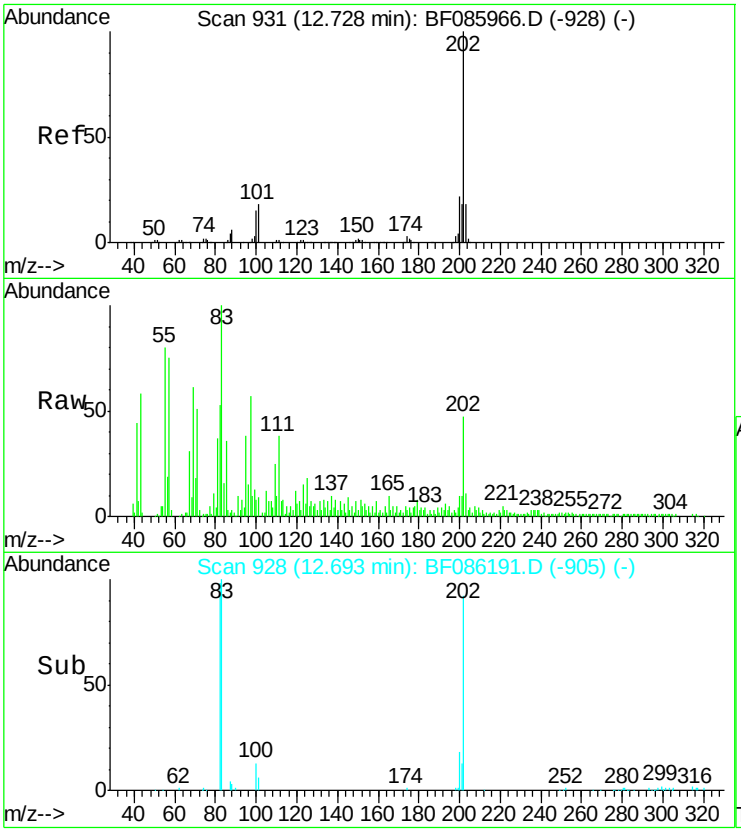




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:240 Resp: 223718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.6 | 13.8 | 20.8 |
| 236 | 26.6 | 20.6 | 30.8 |



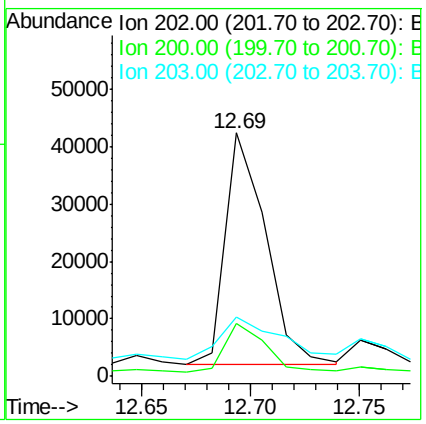


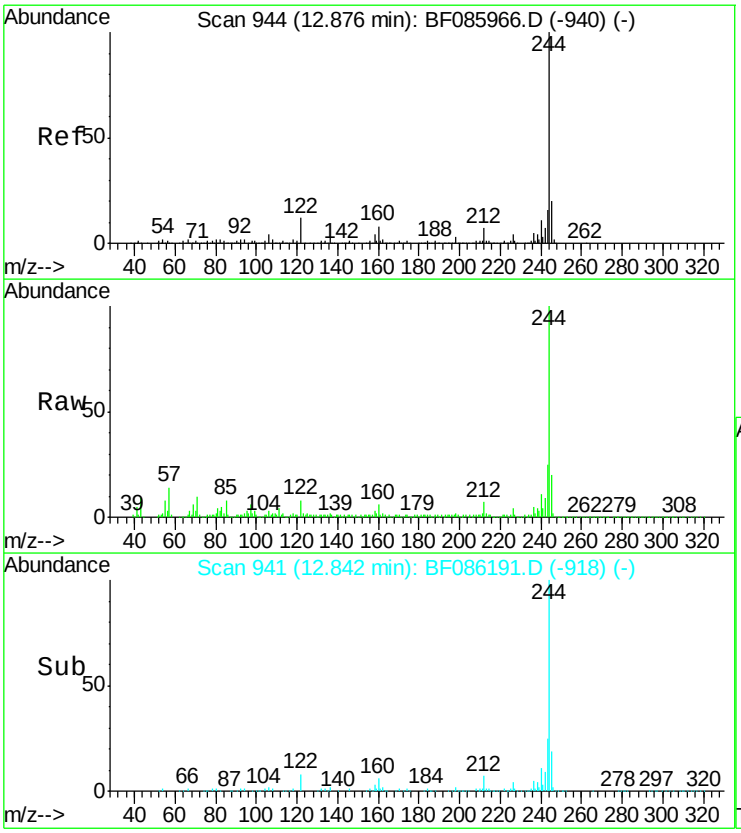

#77
Pyrene
Concen: 3.29 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:202 Resp: 51856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.6 | 26.4 |
| 203 | 24.2 | 14.0 | 21.0# |

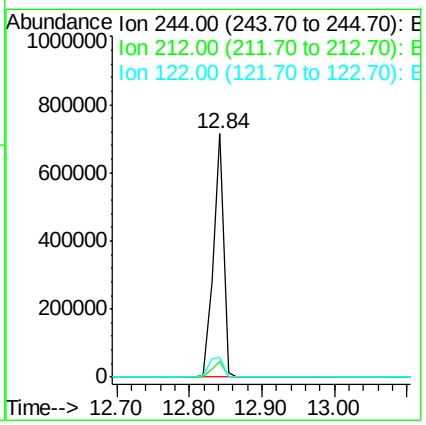


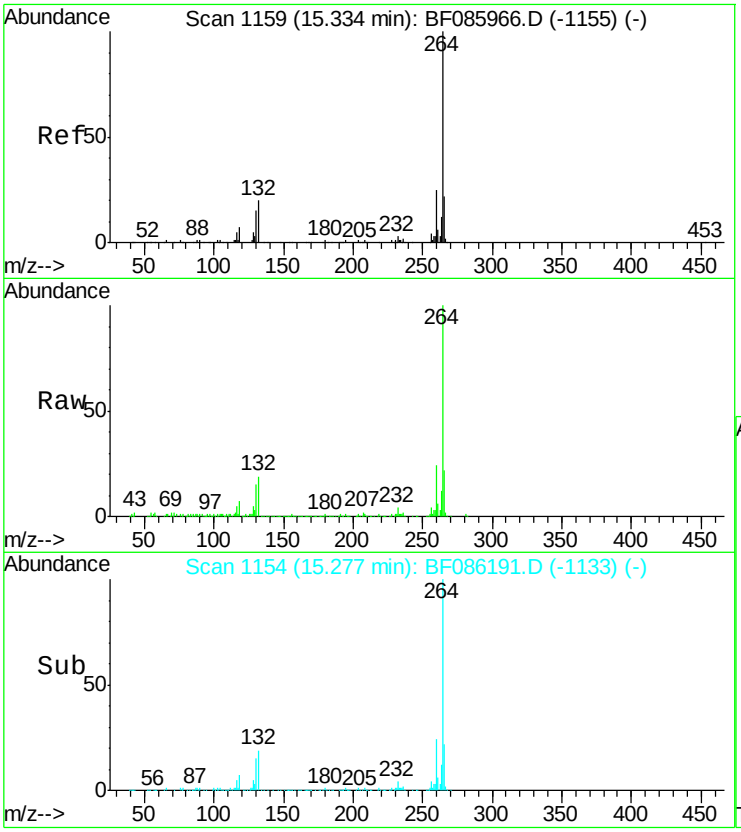




#78
Terphenyl-d14
Concen: 73.34 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.03 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

Tgt Ion:244 Resp: 697969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.1 | 9.1 |
| 122 | 8.2 | 10.2 | 15.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF086191.D
Acq: 9 Apr 2016 2:02

**Instrument :**
BNA_F
**ClientSampleId :**
TW-12-04062016

Tgt Ion:264 Resp: 214865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.2 |
| 265 | 21.9 | 17.2 | 25.8 |