Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084306.D
Acq On : 7 Jan 2016 15:38
Operator : SJ/UM
Sample : PB87680BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB87680BS

Manual Integrations APPROVED
UMANGI
1/8/2016 10:42:54 AM

Quant Time: Jan 08 00:53:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 242619 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.16 | 136 | 1016855 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 466108 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 845720 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 14.03 | 240 | 705435 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.46 | 264 | 577140 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1866598 | 124.44 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 2220122 | 117.85 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1342319 | 73.47 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 553416 | 117.60 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 2242392 | 84.60 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.98 | 244 | 2059927 | 65.18 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.53 | 88 | 241917 | 34.05 | ng | # | 78 |
| 3) Pyridine | 3.26 | 79 | 685943 | 34.62 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 384329 | 37.79 | ng | | 83 |
| 6) Aniline | 6.53 | 93 | 546576 | 19.83 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.66 | 128 | 725301 | 42.62 | ng | | 92 |
| 9) Benzaldehyde | 6.41 | 77 | 193409 | 15.77 | ng | | 92 |
| 10) Phenol | 6.53 | 94 | 981596 | 45.83 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 702455 | 42.34 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 687156 | 39.14 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 735694 | 41.79 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 611246 | 36.26 | ng | | 95 |
| 15) Benzyl Alcohol | 7.01 | 79 | 590127 | 37.24 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 1096656 | 36.29 | ng | | 86 |
| 17) 2-Methylphenol | 7.14 | 107 | 613282 | 43.00 | ng | | 95 |
| 18) Hexachloroethane | 7.38 | 117 | 269215 | 38.24 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 460673 | 36.12 | ng | # | 70 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 671673 | 40.06 | ng | # | 60 |
| 22) Acetophenone | 7.29 | 105 | 980536 | 40.10 | ng | # | 90 |
| 24) Nitrobenzene | 7.46 | 77 | 821193 | 44.31 | ng | | 95 |
| 25) Isophorone | 7.70 | 82 | 1396258 | 39.96 | ng | | 99 |
| 26) 2-Nitrophenol | 7.77 | 139 | 360888 | 42.79 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 666599 | 39.05 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 845919 | 39.63 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 569795 | 40.07 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 609768 | 41.54 | ng | | 96 |
| 31) Naphthalene | 8.18 | 128 | 1881267 | 40.78 | ng | | 99 |
| 32) Benzoic acid | 7.94 | 122 | 331754 | 32.52 | ng | | 93 |
| 33) 4-Chloroaniline | 8.22 | 127 | 199842 | 9.45 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 331378 | 39.27 | ng | | 97 |
| 35) Caprolactam | 8.60 | 113 | 183281m | 38.23 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 668813 | 41.99 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1253336 | 37.84 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 556689 | 41.54 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 644204 | 79.64 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084306.D
Acq On : 7 Jan 2016 15:38
Operator : SJ/UM
Sample : PB87680BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

**Manual Integrations APPROVED**
UMANGI
1/8/2016 10:42:54 AM

Quant Time: Jan 08 00:53:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 397407 | 39.64 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 422435 | 43.96 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 1496786 | 40.40 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 1114298 | 38.29 | ng | | 96 |
| 47) 2-Nitroaniline | 9.46 | 65 | 467824 | 48.71 | ng | # | 87 |
| 48) Acenaphthylene | 9.78 | 152 | 1833742 | 42.66 | ng | | 98 |
| 49) Dimethylphthalate | 9.64 | 163 | 1481966 | 44.47 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 316634 | 43.32 | ng | # | 60 |
| 51) Acenaphthene | 9.95 | 154 | 1323230 | 45.89 | ng | | 97 |
| 52) 3-Nitroaniline | 9.87 | 138 | 217192 | 23.98 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 273636 | 87.54 | ng | # | 88 |
| 54) Dibenzofuran | 10.12 | 168 | 1714577 | 45.97 | ng | | 99 |
| 55) 4-Nitrophenol | 10.04 | 139 | 460650 | 70.08 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 380428 | 41.13 | ng | # | 84 |
| 57) Fluorene | 10.46 | 166 | 1249737 | 43.18 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 330749 | 40.31 | ng | | 95 |
| 59) Diethylphthalate | 10.34 | 149 | 1377684 | 41.93 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 612110 | 51.35 | ng | | 100 |
| 61) 4-Nitroaniline | 10.49 | 138 | 362242 | 44.87 | ng | | 92 |
| 62) Azobenzene | 10.61 | 77 | 1560441 | 43.30 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 208908 | 40.44 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.58 | 169 | 1150170 | 42.54 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 409818 | 45.02 | ng | | 94 |
| 67) Hexachlorobenzene | 11.00 | 284 | 388198 | 37.89 | ng | # | 82 |
| 68) Atrazine | 11.10 | 200 | 402606 | 45.50 | ng | | 98 |
| 69) Pentachlorophenol | 11.21 | 266 | 398042 | 74.93 | ng | | 98 |
| 70) Phenanthrene | 11.42 | 178 | 1908754 | 43.15 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 1808203 | 41.70 | ng | | 97 |
| 72) Carbazole | 11.63 | 167 | 1807007 | 42.62 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 2135601 | 48.27 | ng | # | 96 |
| 74) Fluoranthene | 12.60 | 202 | 1822473 | 39.44 | ng | | 98 |
| 76) Benzidine | 12.73 | 184 | 789493 | 31.21 | ng | | 99 |
| 77) Pyrene | 12.83 | 202 | 1856479 | 33.54 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 981231 | 40.96 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 1556672 | 37.58 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 318159 | 22.01 | ng | # | 96 |
| 82) Chrysene | 14.05 | 228 | 1452623 | 36.50 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1193026 | 39.42 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.63 | 149 | 2010800 | 39.36 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 16.87 | 276 | 1391310 | 44.10 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.05 | 252 | 1398300m | 37.04 | ng | | |
| 88) Benzo(k)fluoranthene | 15.08 | 252 | 1466633m | 47.50 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 1304744 | 40.74 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.88 | 278 | 1144586 | 41.54 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.29 | 276 | 1159494 | 40.63 | ng | | 98 |

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

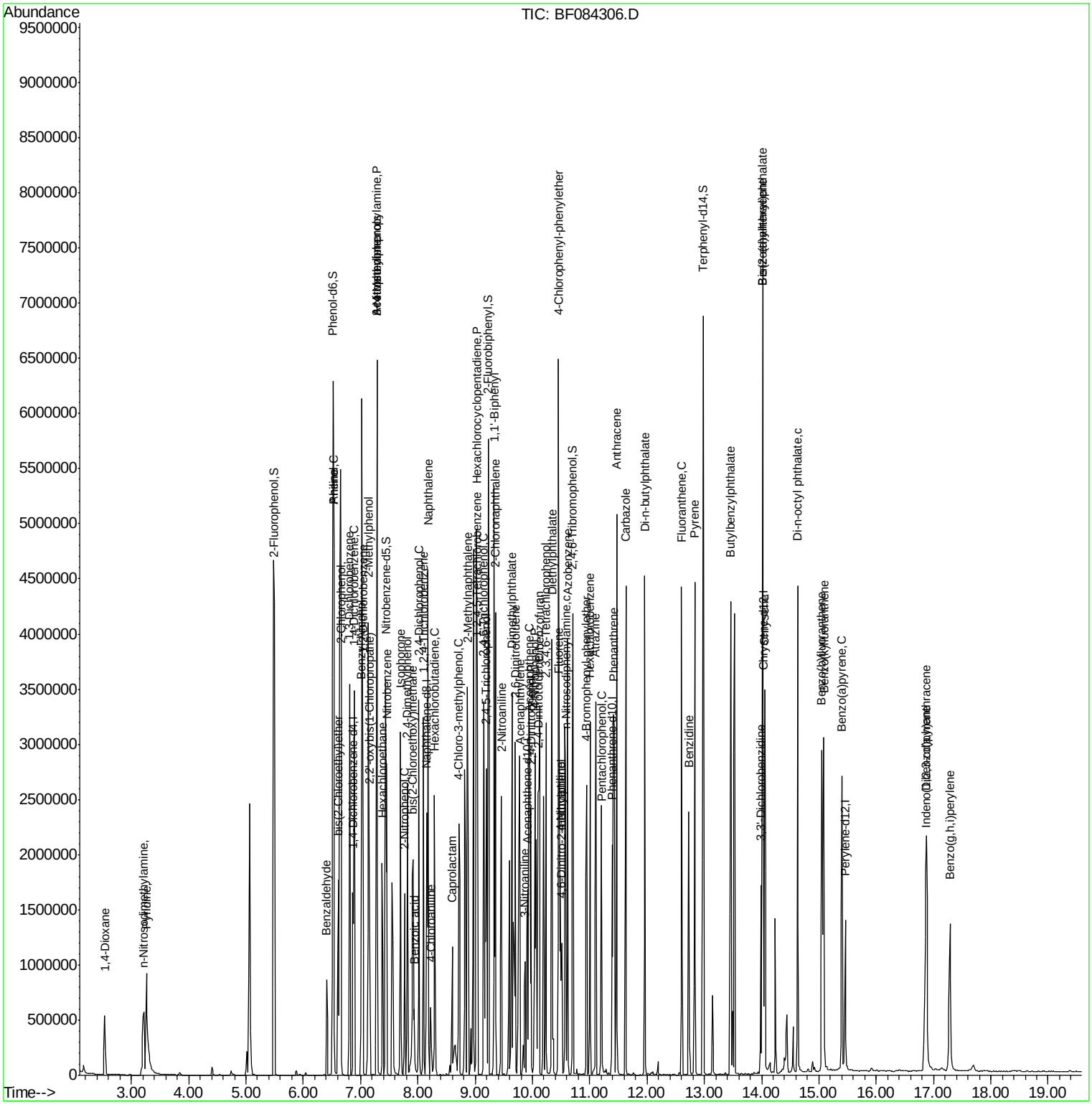
Quantitation Report (QT Reviewed)

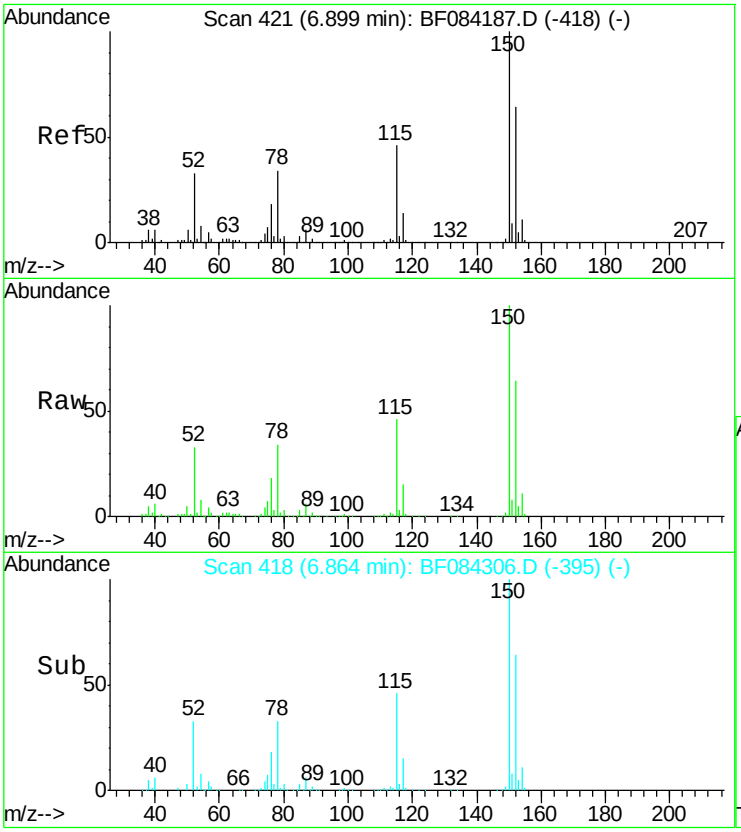
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084306.D
Acq On : 7 Jan 2016 15:38
Operator : SJ/UM
Sample : PB87680BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 08 00:53:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

**Manual Integrations APPROVED**
UMANGI
1/8/2016 10:42:54 AM

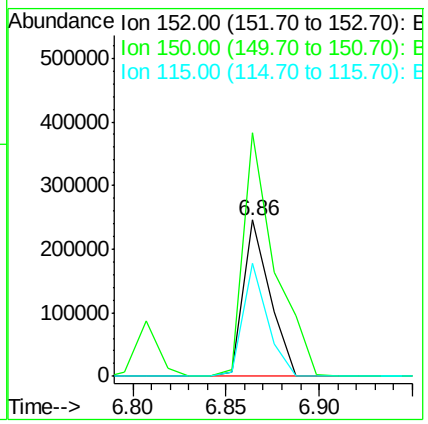





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:152 Resp: 242619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 123.0 | 184.4 |
| 115 | 72.2 | 51.4 | 77.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

**Manual Integrations APPROVED**
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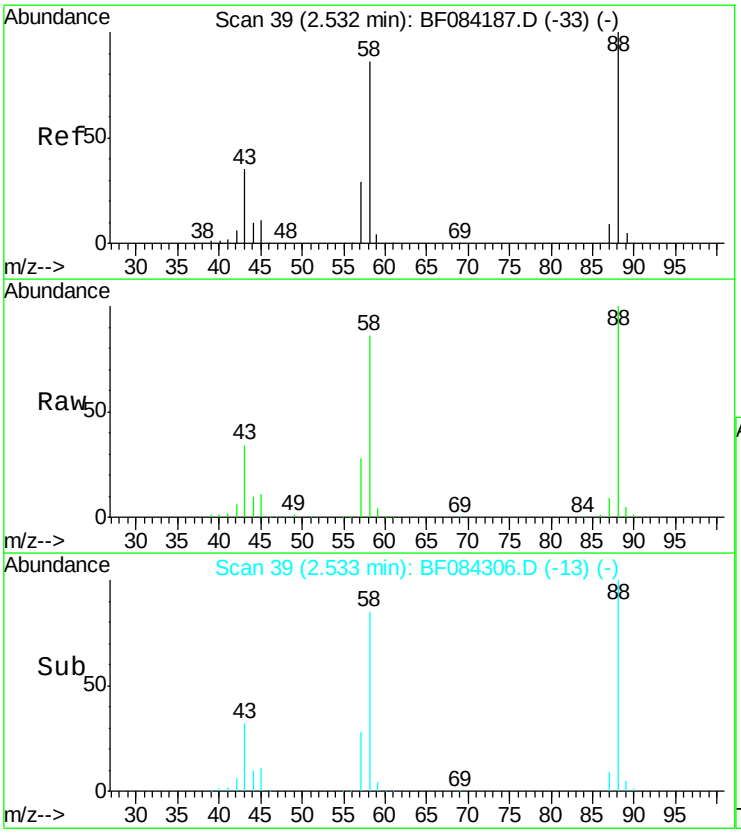
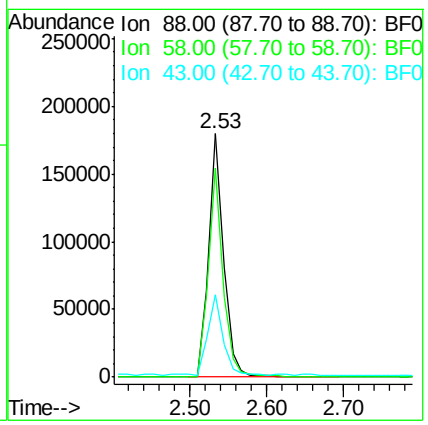
1/8/2016 10:42:54 AM

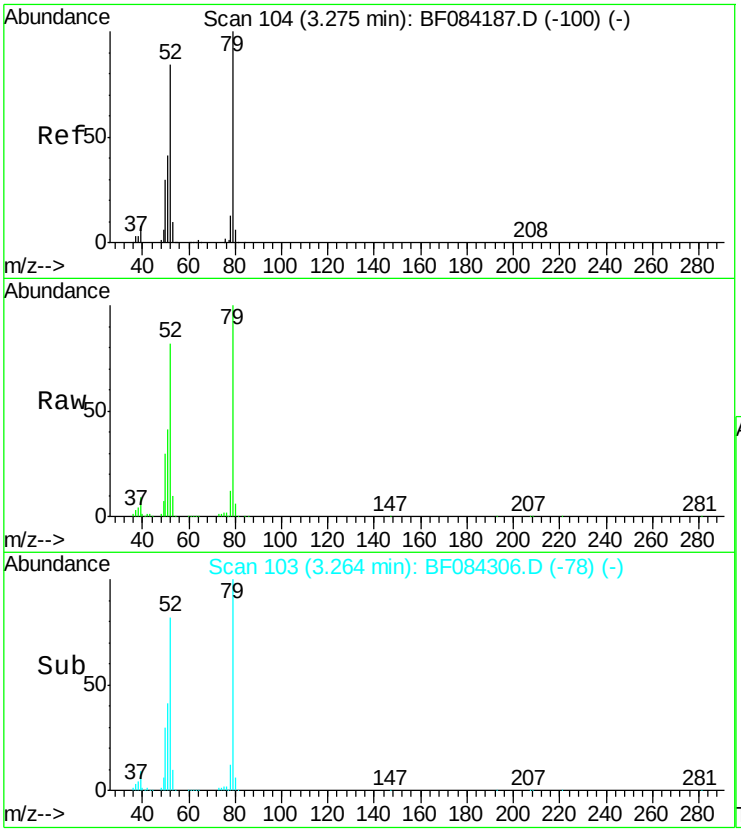



#2
1,4-Dioxane
Concen: 34.05 ng
RT: 2.53 min Scan# 39
Delta R.T. 0.00 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 88 Resp: 241917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 82.8 | 51.2 | 76.8# |
| 43 | 32.7 | 19.5 | 29.3# |

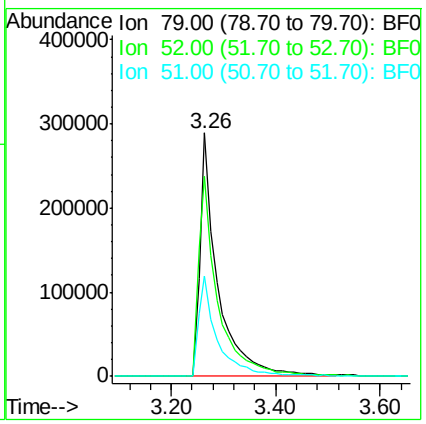





#3
Pyridine
Concen: 34.62 ng
RT: 3.26 min Scan# 103
Delta R.T. -0.01 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 79 Resp: 685943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 82.3 | 49.0 | 73.4# |
| 51 | 41.2 | 25.2 | 37.8# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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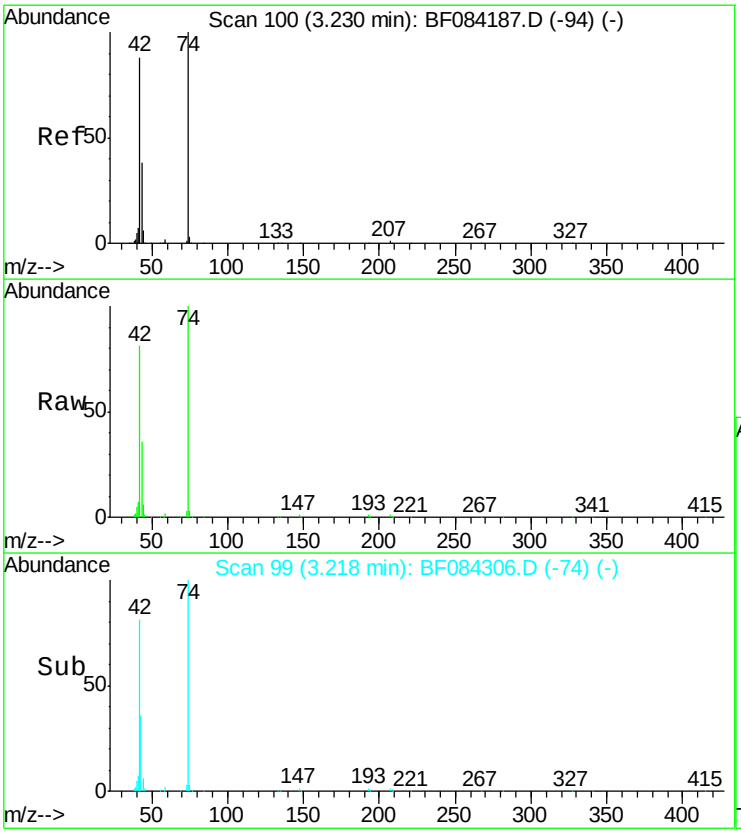
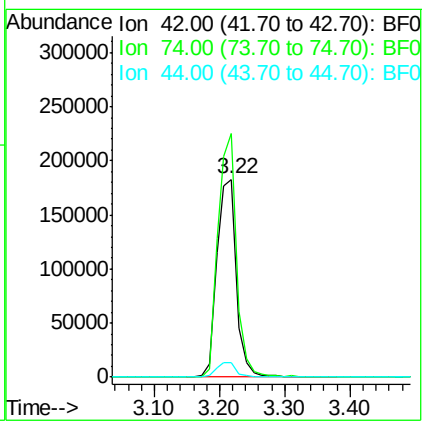
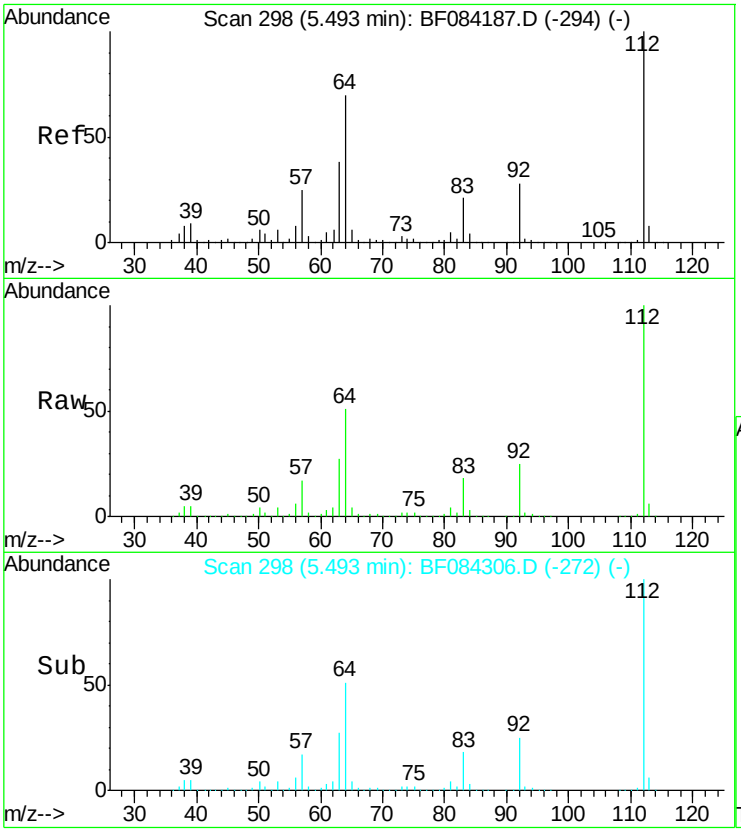



#4
n-Nitrosodimethylamine
Concen: 37.79 ng
RT: 3.22 min Scan# 99
Delta R.T. -0.01 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 42 Resp: 384329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 123.0 | 115.7 | 173.5 |
| 44 | 7.3 | 5.1 | 7.7 |

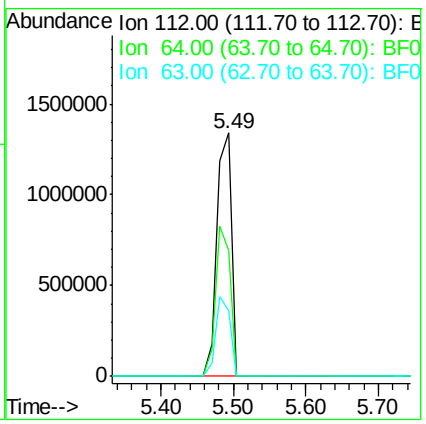





#5
2-Fluorophenol
Concen: 124.44 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.00 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:112 Resp: 1866598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.5 | 36.6 | 55.0 |
| 63 | 27.1 | 19.4 | 29.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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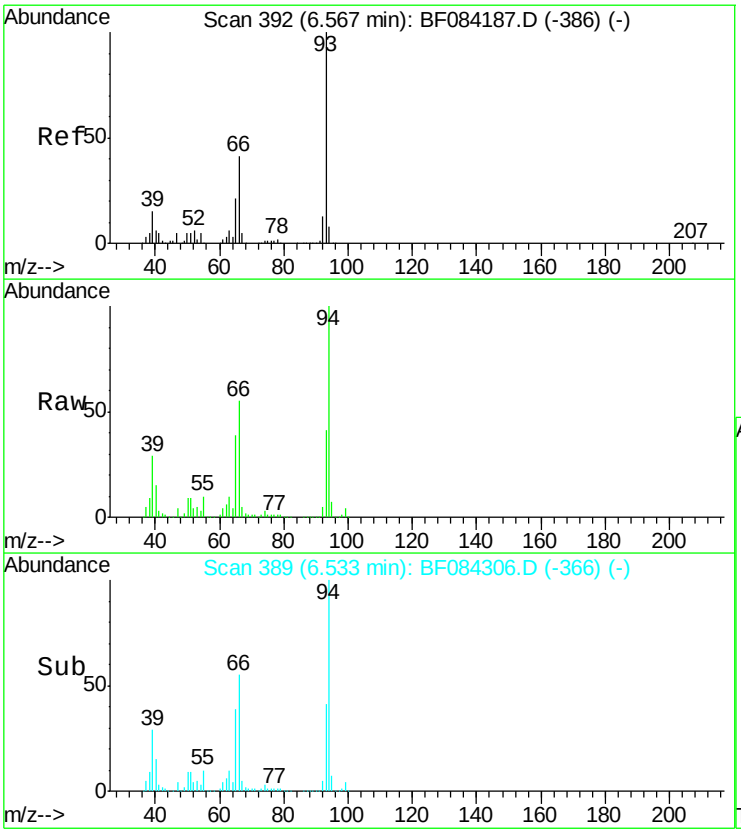
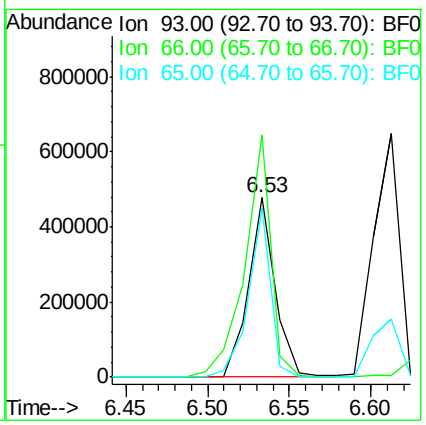
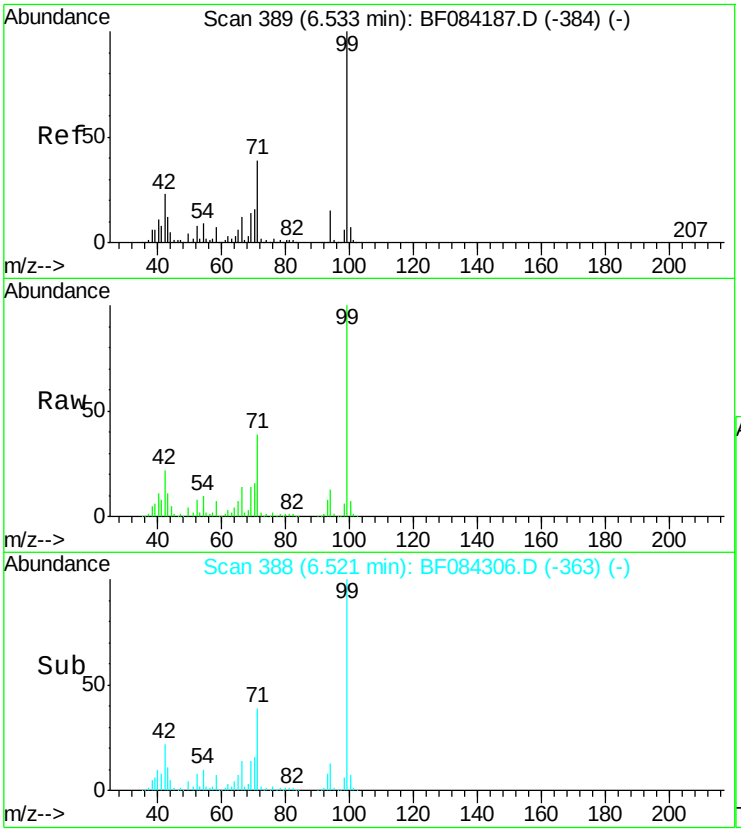



#6
Aniline
Concen: 19.83 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 93 Resp: 546576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 135.2 | 44.9 | 67.3# |
| 65 | 94.5 | 23.7 | 35.5# |

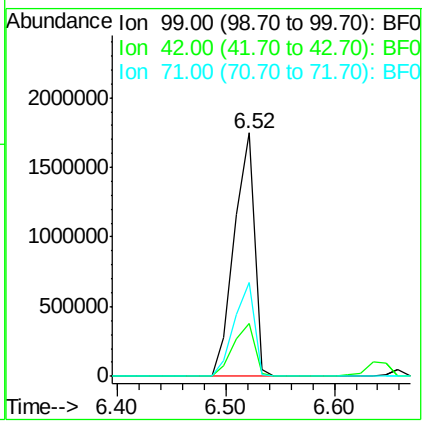





#7
Phenol-d6
Concen: 117.85 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.01 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 99 Resp: 2220122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.5 | 12.8 | 19.2# |
| 71 | 38.6 | 30.9 | 46.3 |

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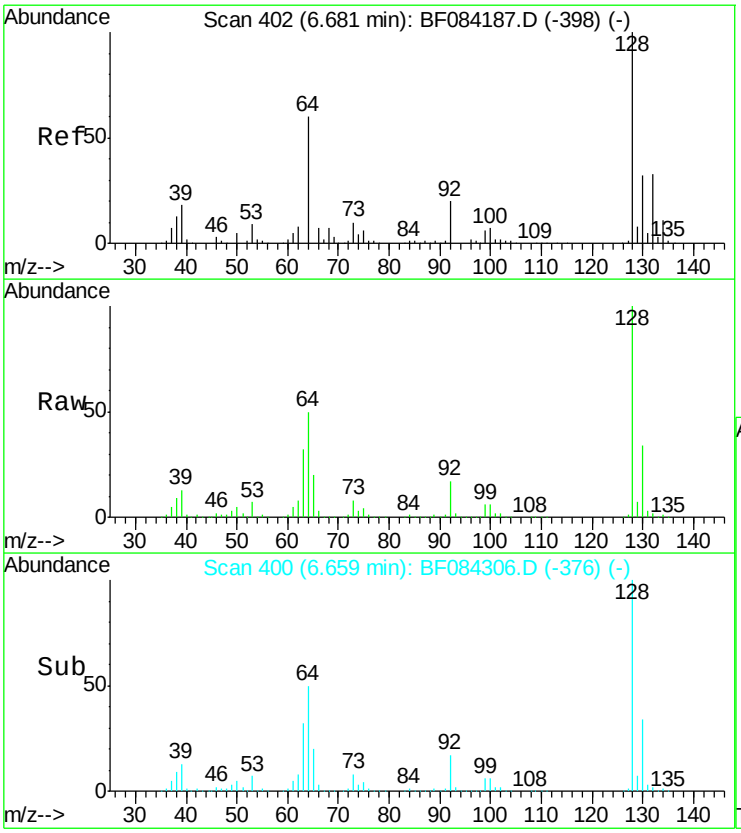
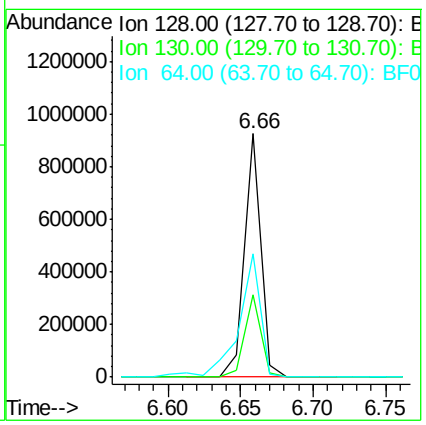
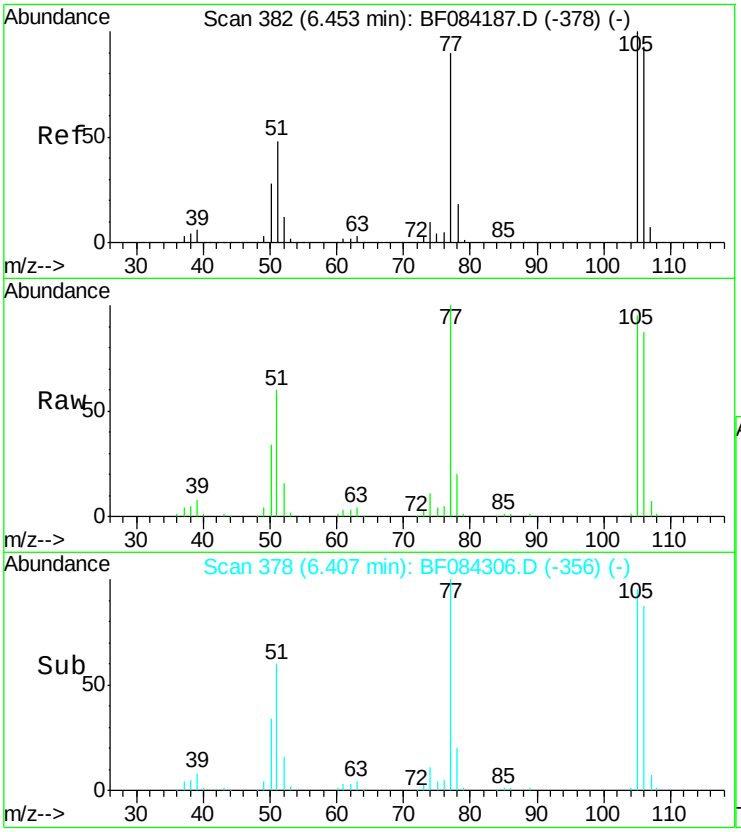



#8
2-Chlorophenol
Concen: 42.62 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:128 Resp: 725301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.7 | 11.6 | 51.6 |
| 64 | 50.5 | 23.8 | 63.8 |

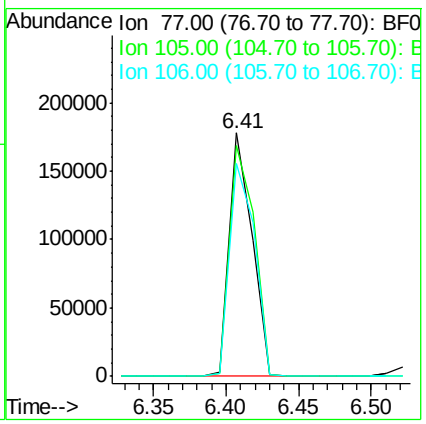





#9
Benzaldehyde
Concen: 15.77 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.04 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 77 Resp: 193409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.0 | 83.0 | 123.0 |
| 106 | 87.5 | 74.6 | 114.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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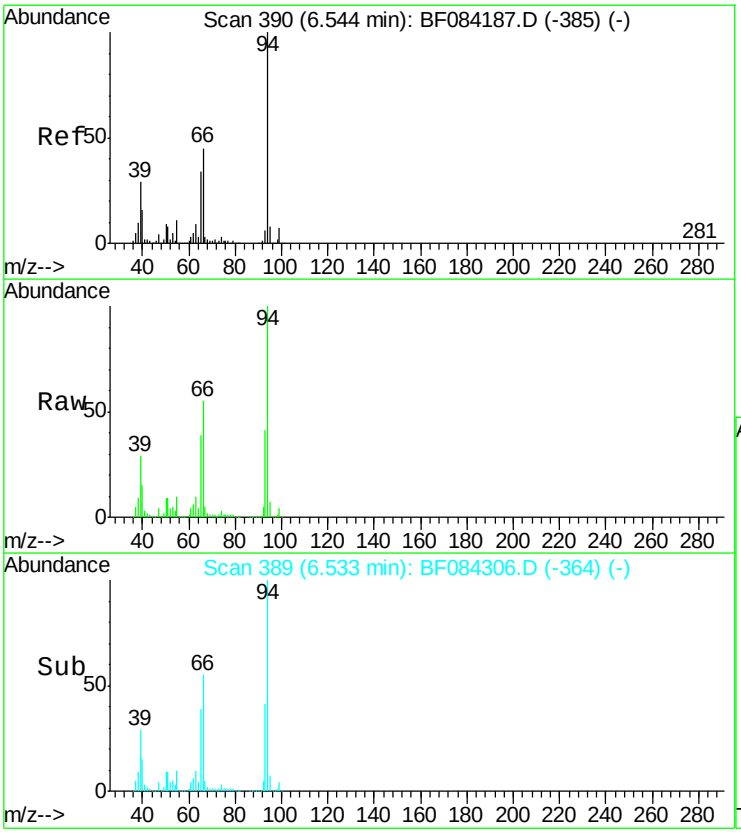
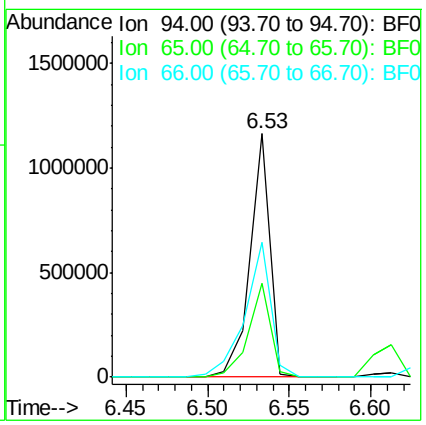
1/8/2016 10:42:54 AM

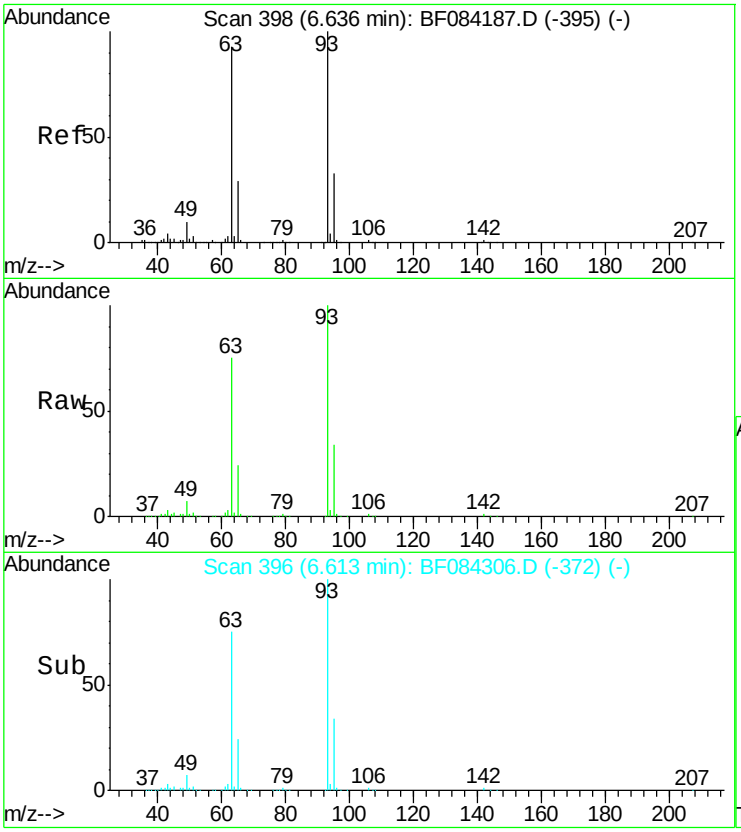



#10
Phenol
Concen: 45.83 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 94 Resp: 981596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.8 | 12.9 | 52.9 |
| 66 | 55.5 | 32.7 | 72.7 |

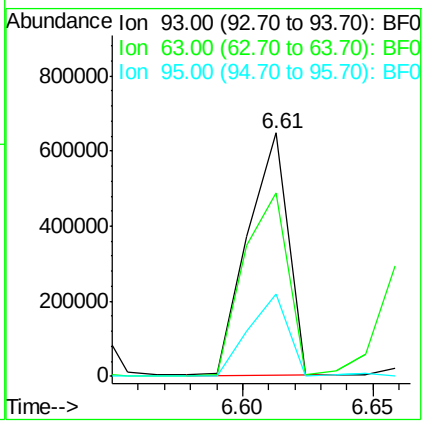





#11
bis(2-Chloroethyl)ether
Concen: 42.34 ng
RT: 6.61 min Scan# 396
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 93 Resp: 702455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.4 | 45.9 | 85.9 |
| 95 | 34.1 | 12.3 | 52.3 |




**Instrument :**
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**ClientSampleId :**
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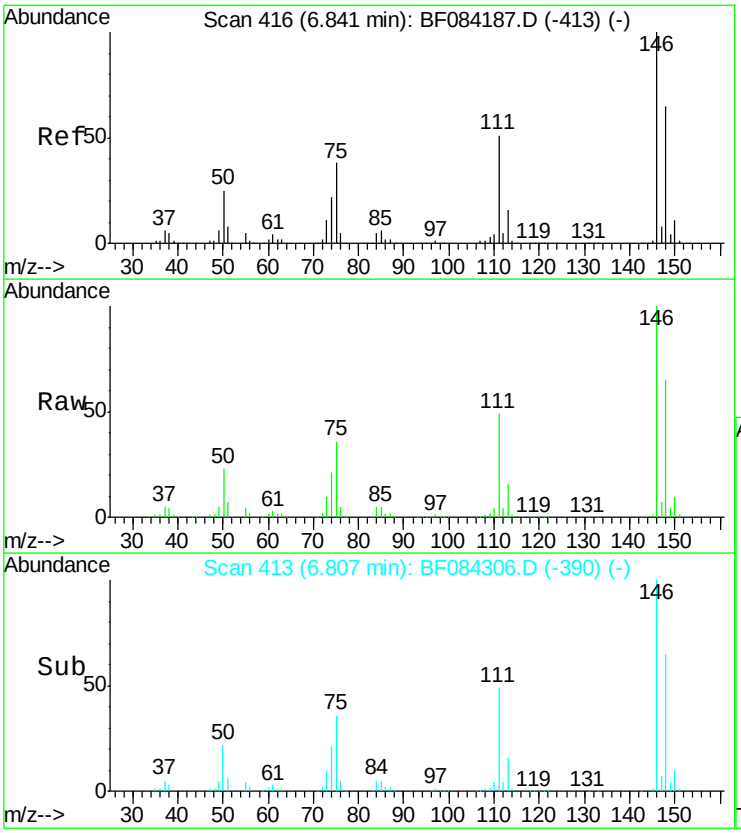
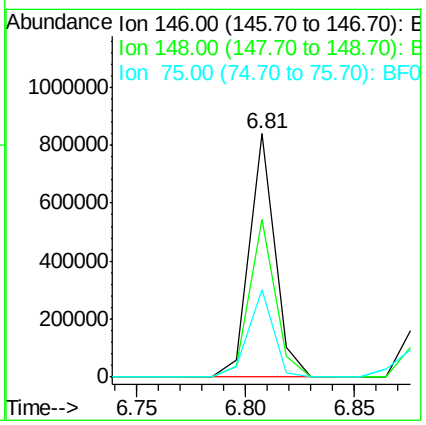
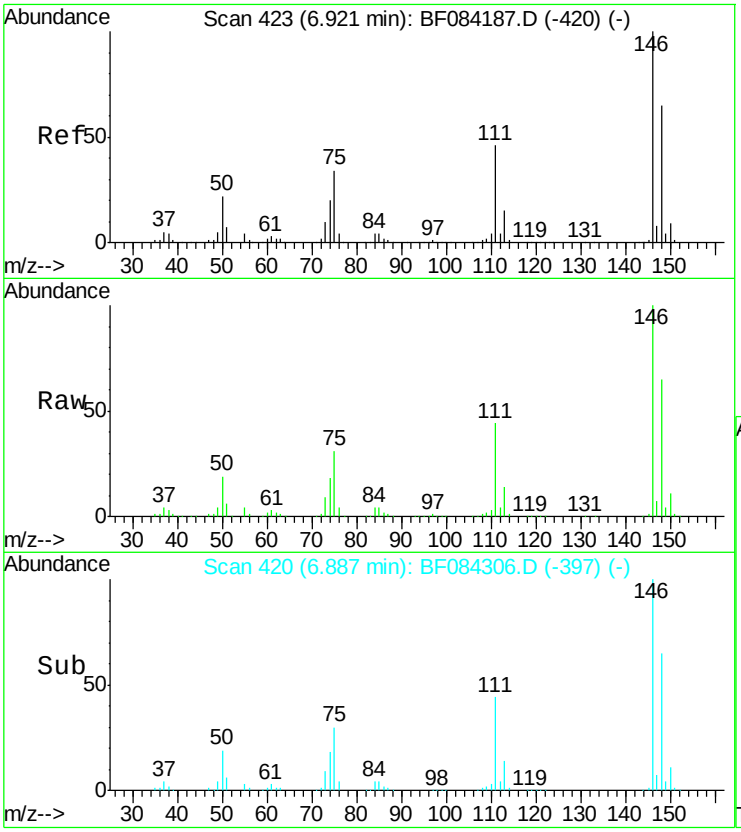



#12
1,3-Dichlorobenzene
Concen: 39.14 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:146 Resp: 687156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.9 | 77.9 |
| 75 | 36.1 | 20.5 | 30.7# |

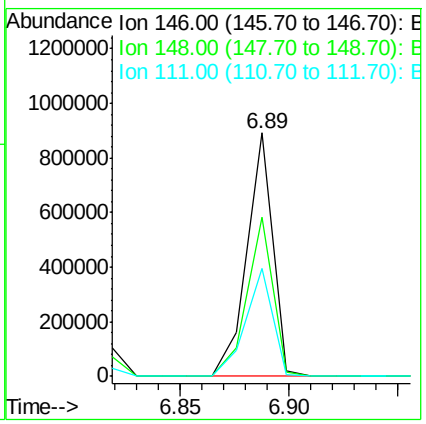





#13
1,4-Dichlorobenzene
Concen: 41.79 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:146 Resp: 735694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.4 | 51.9 | 77.9 |
| 111 | 44.4 | 41.6 | 62.4 |

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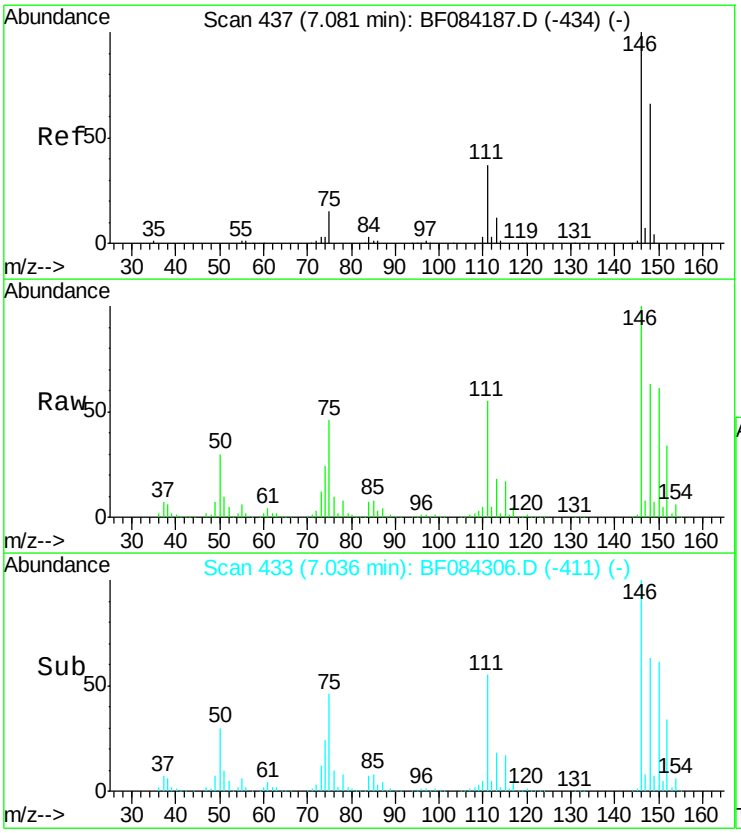
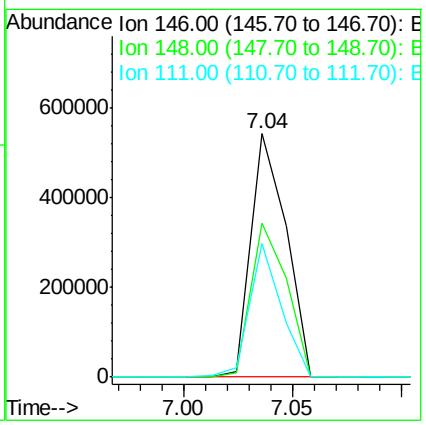
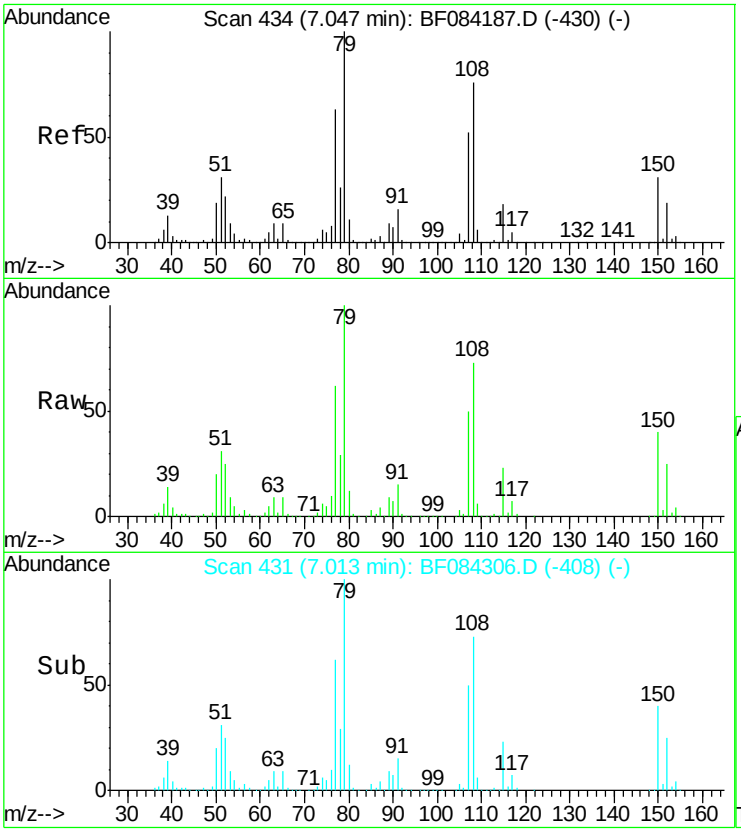



#14
1,2-Dichlorobenzene
Concen: 36.26 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:146 Resp: 611246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.6 | 77.4 |
| 111 | 54.9 | 38.0 | 57.0 |






#15
Benzyl Alcohol
Concen: 37.24 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 79 Resp: 590127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.5 | 69.0 | 103.4 |
| 77 | 62.4 | 50.0 | 75.0 |

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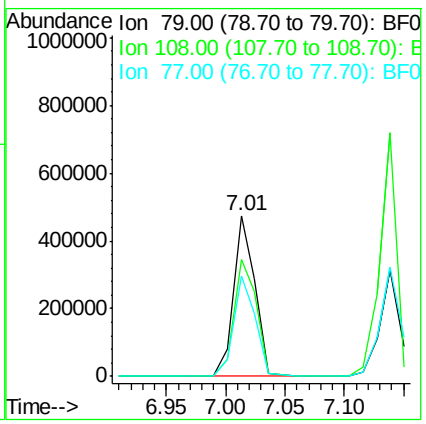
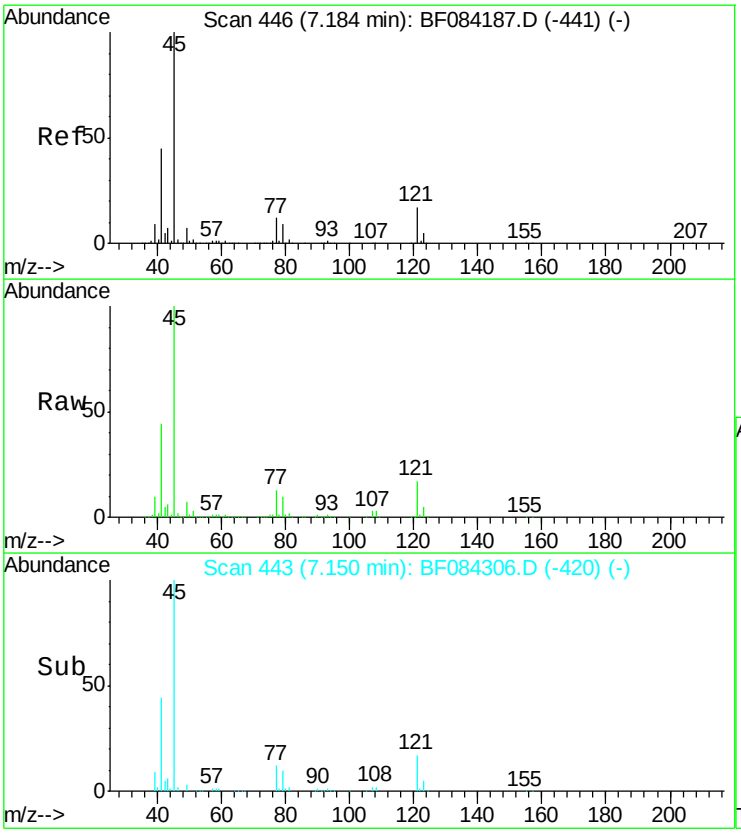
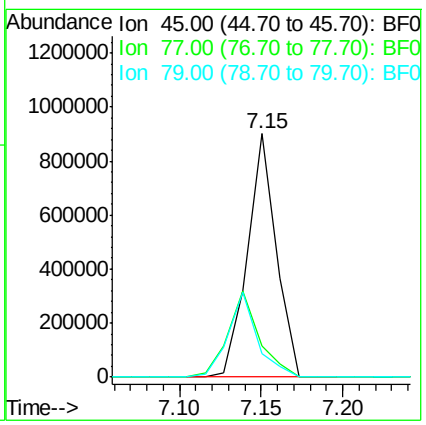


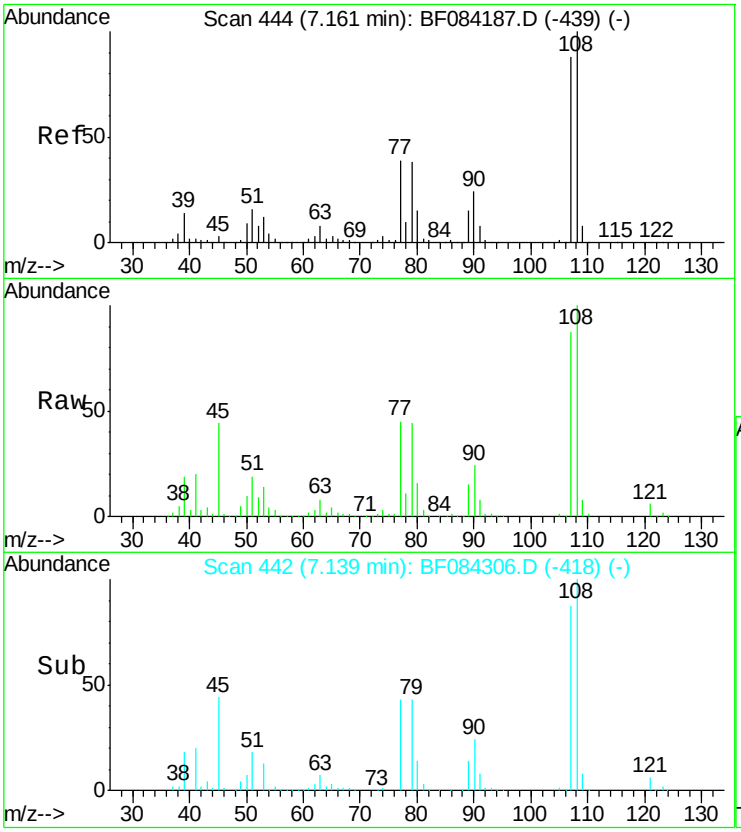




#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.29 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 45 Resp: 1096656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.6 | 0.0 | 39.6 |
| 79 | 9.8 | 0.0 | 35.0 |

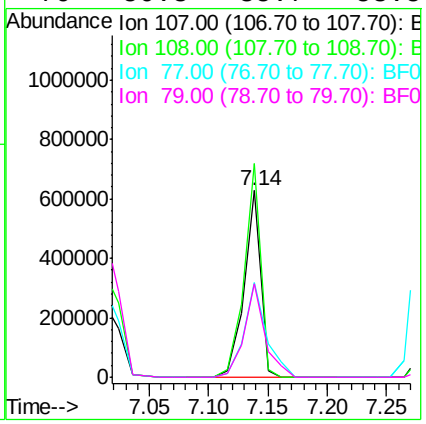





#17
2-Methylphenol
Concen: 43.00 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:107 Resp: 613282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 89.8 | 134.6 |
| 77 | 51.1 | 35.7 | 53.5 |
| 79 | 50.3 | 35.7 | 53.5 |

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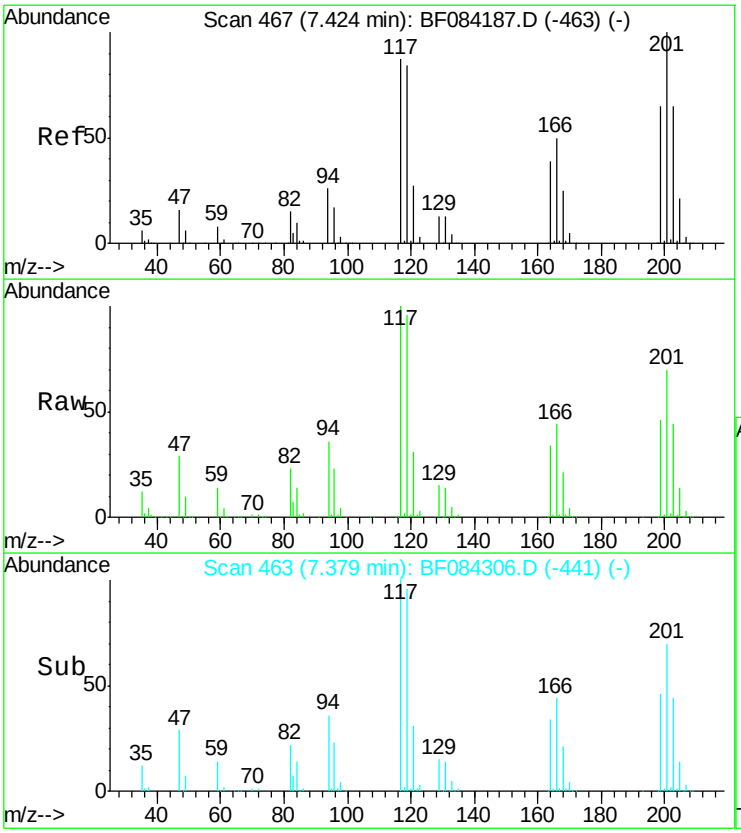
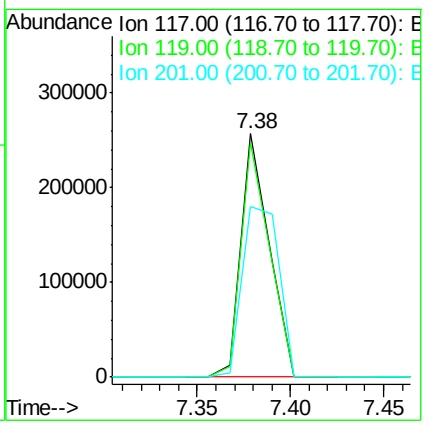
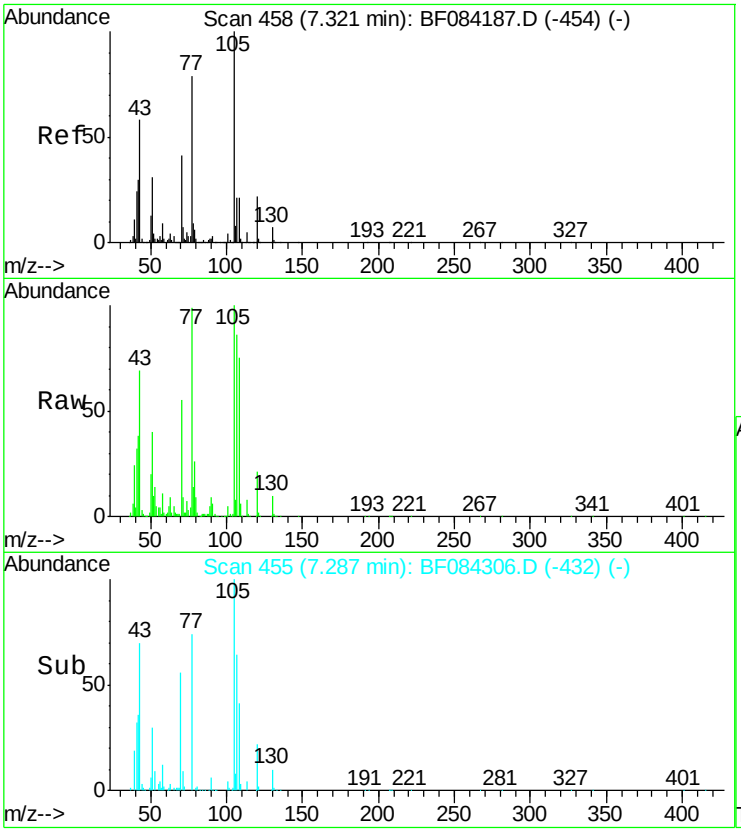



#18
Hexachloroethane
Concen: 38.24 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:117 Resp: 269215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 77.4 | 116.0 |
| 201 | 70.0 | 68.6 | 103.0 |

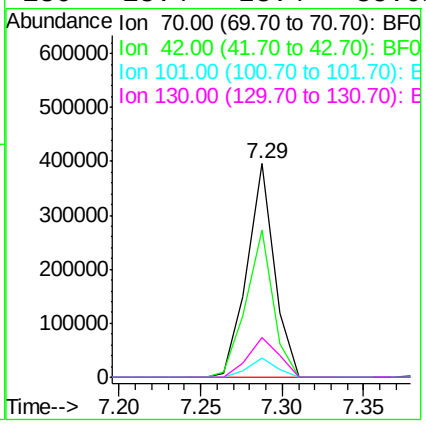





#19
n-Nitroso-di-n-propylamine
Concen: 36.12 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 70 Resp: 460673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 69.0 | 33.3 | 49.9# |
| 101 | 8.7 | 9.3 | 13.9# |
| 130 | 18.4 | 23.4 | 35.0# |




**Instrument :**
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**ClientSampleId :**
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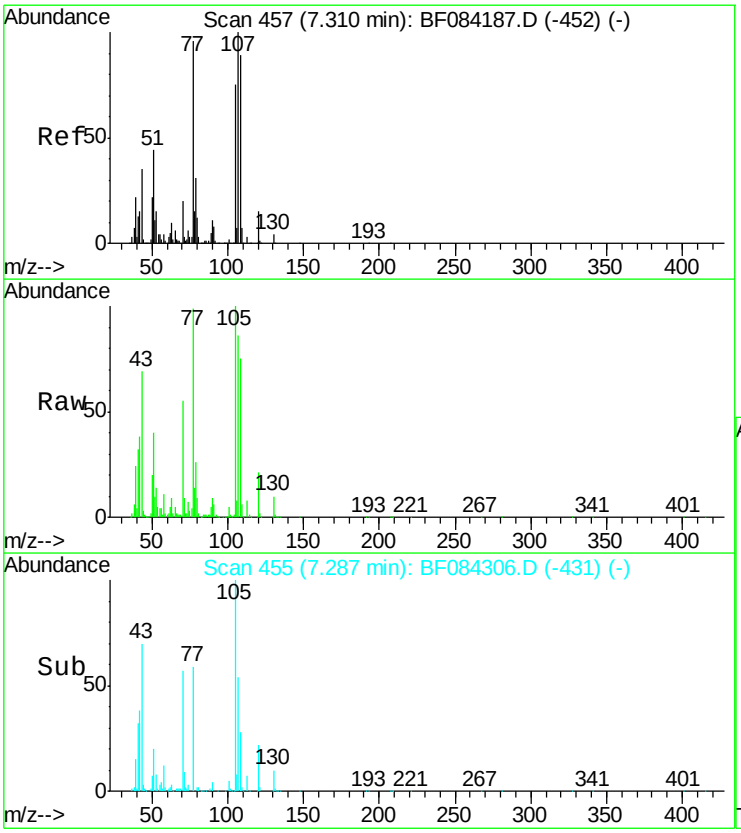
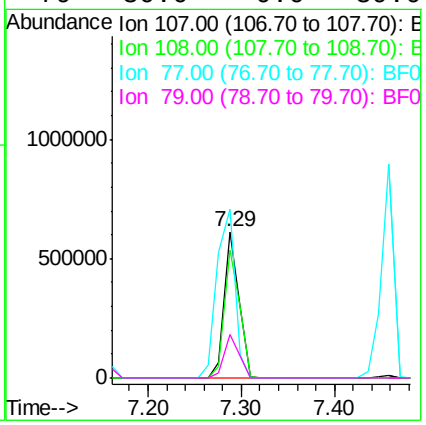
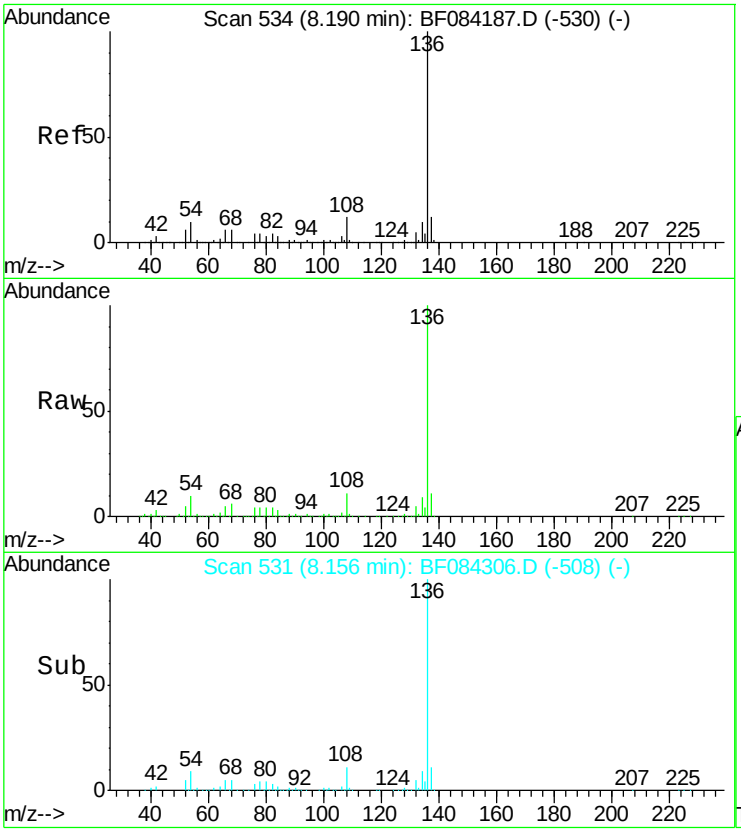



#20
3+4-Methylphenols
Concen: 40.06 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:107 Resp: 671673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.6 | 74.6 | 114.6 |
| 77 | 115.2 | 0.7 | 40.7# |
| 79 | 30.0 | 0.0 | 39.0 |

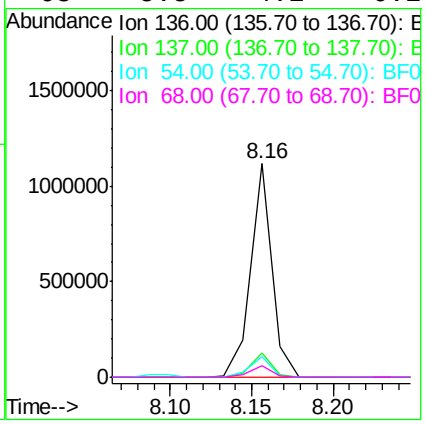





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:136 Resp: 1016855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.7 | 13.1 |
| 54 | 9.6 | 5.8 | 8.8# |
| 68 | 5.5 | 4.2 | 6.2 |




**Instrument :**
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**ClientSampleId :**
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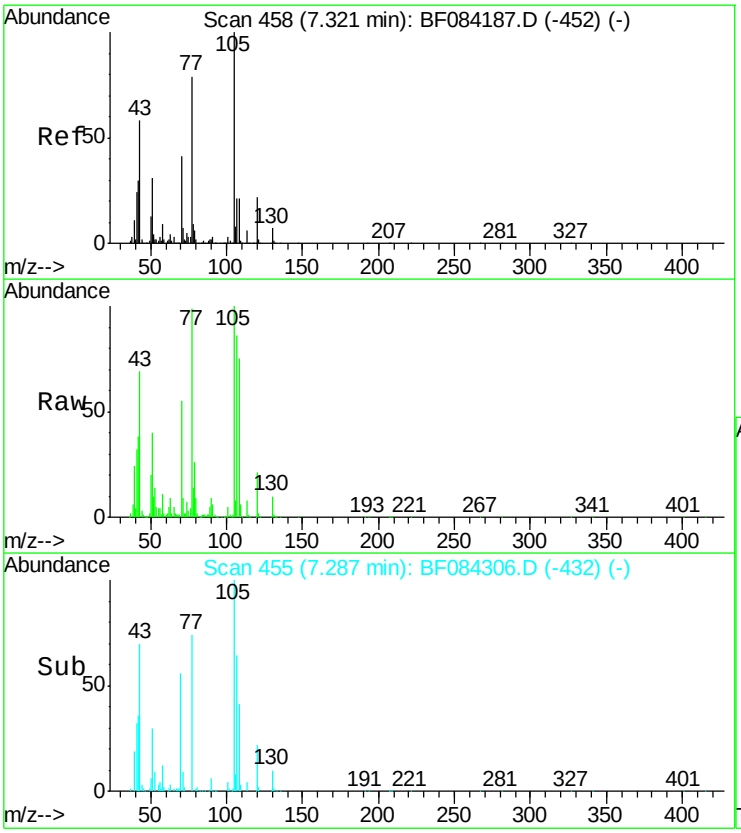
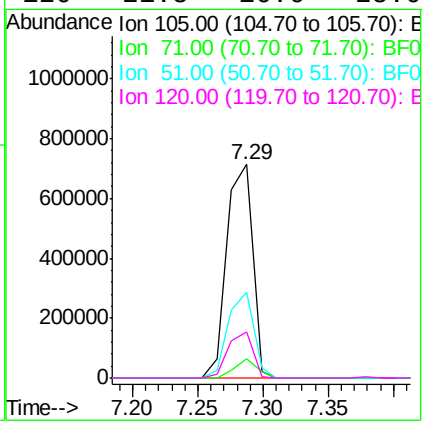
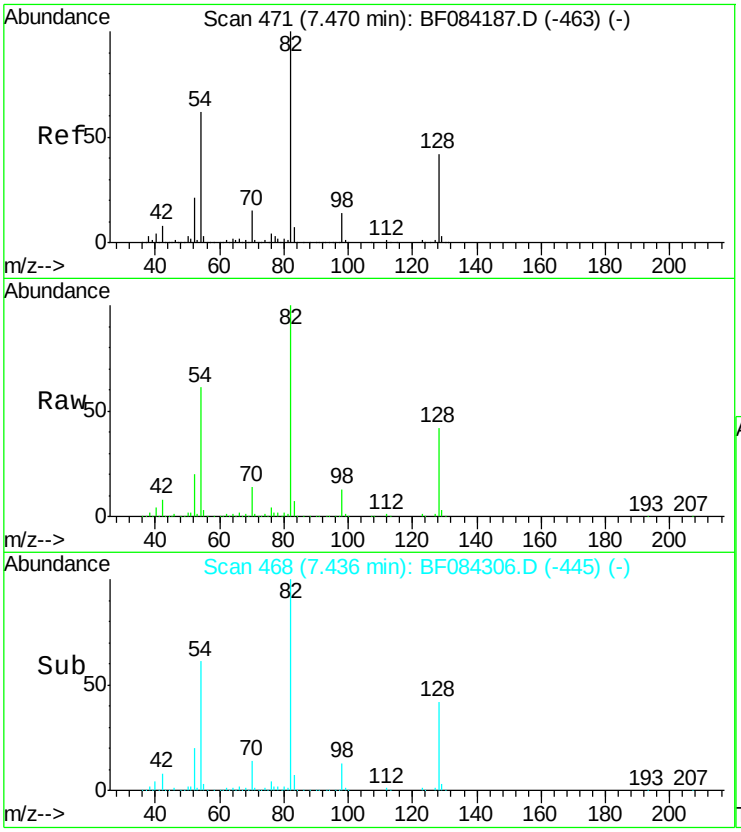



#22
Acetophenone
Concen: 40.10 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:105 Resp: 980536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 9.3 | 3.7 | 5.5# |
| 51 | 40.2 | 25.1 | 37.7# |
| 120 | 21.5 | 16.6 | 25.0 |

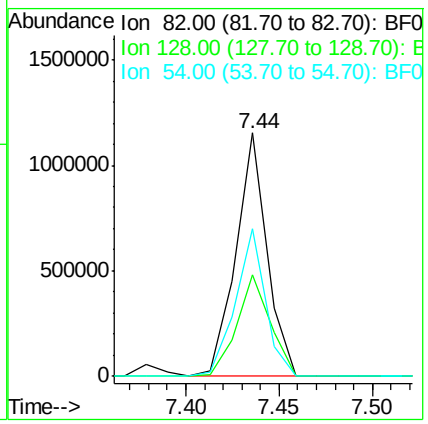





#23
Nitrobenzene-d5
Concen: 73.47 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 82 Resp: 1342319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 34.6 | 51.8 |
| 54 | 60.8 | 38.4 | 57.6# |




**Instrument :**
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**ClientSampleId :**
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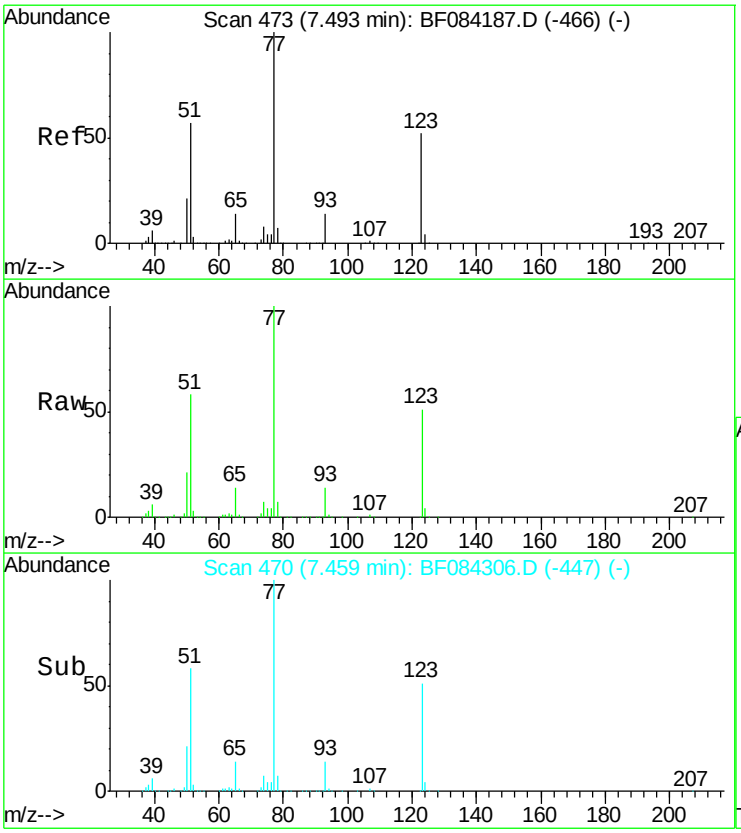
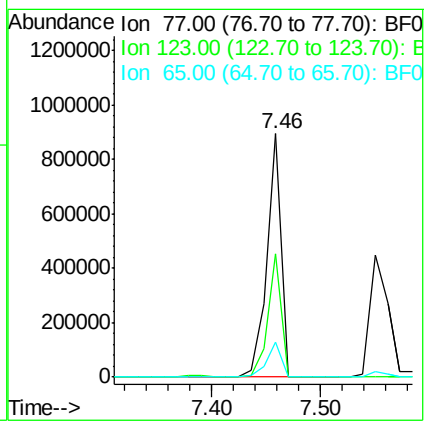
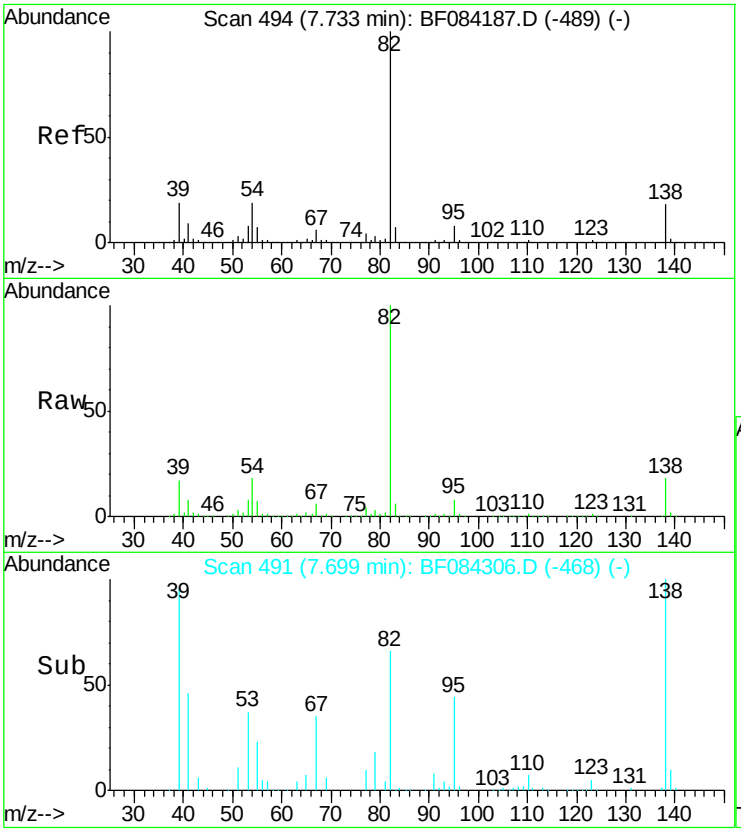



#24
Nitrobenzene
Concen: 44.31 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 77 Resp: 821193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.5 | 37.4 | 56.2 |
| 65 | 14.5 | 10.9 | 16.3 |

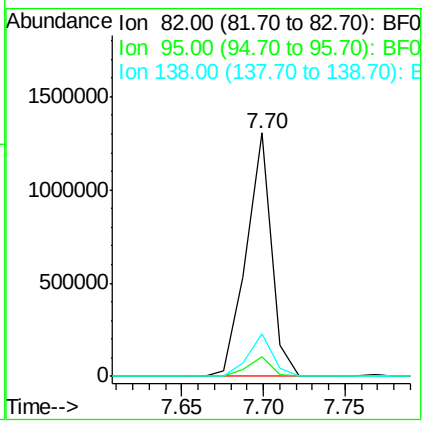





#25
Isophorone
Concen: 39.96 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 82 Resp: 1396258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.6 | 10.0 |
| 138 | 17.6 | 13.6 | 20.4 |




**Instrument :**
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**ClientSampleId :**
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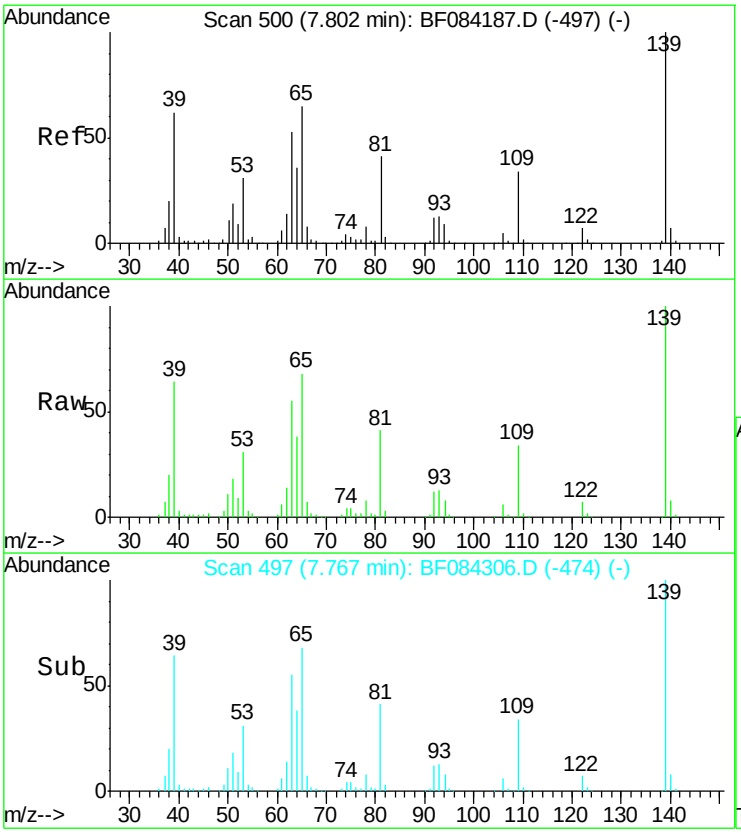
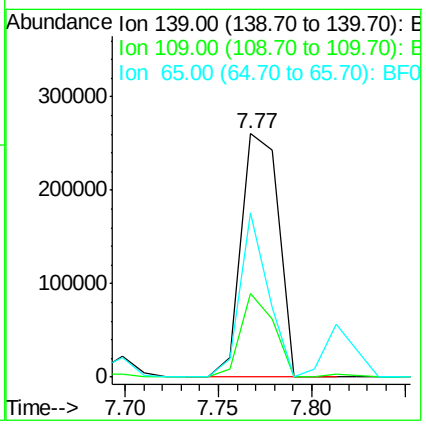
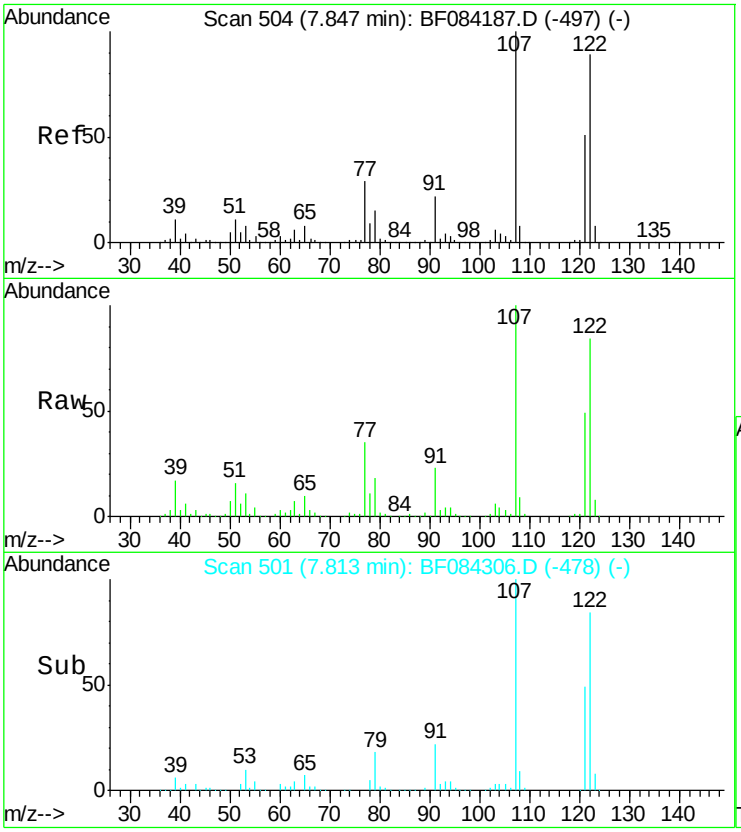



#26
2-Nitrophenol
Concen: 42.79 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:139 Resp: 360888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.1 | 25.4 | 38.2 |
| 65 | 67.7 | 32.3 | 48.5# |

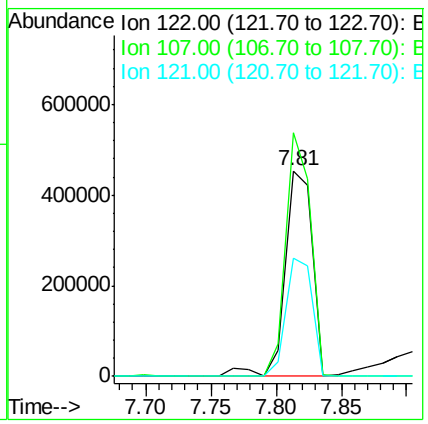





#27
2,4-Dimethylphenol
Concen: 39.05 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:122 Resp: 666599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.5 | 99.1 | 148.7 |
| 121 | 57.5 | 47.9 | 71.9 |




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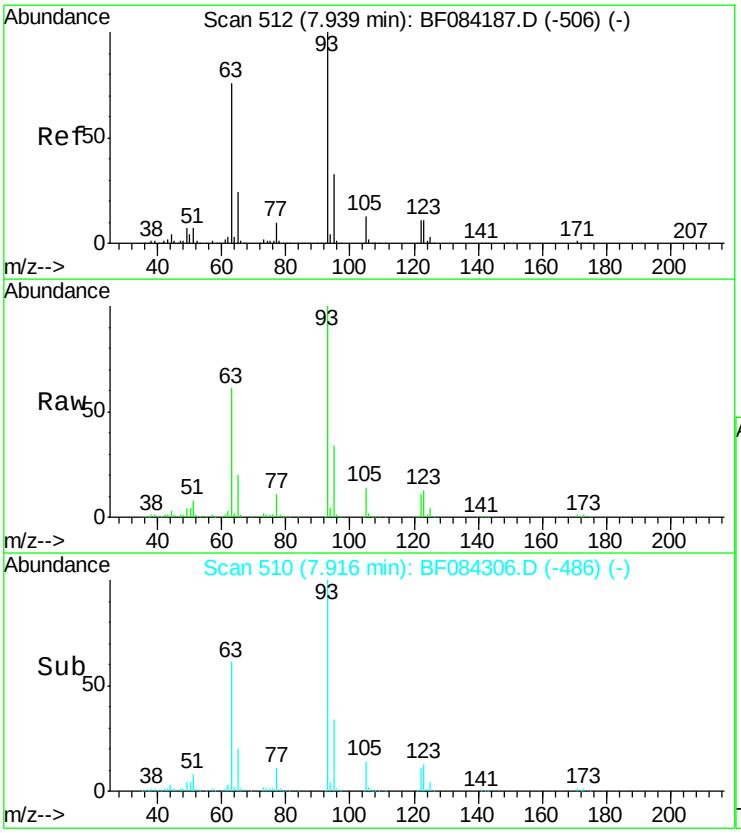
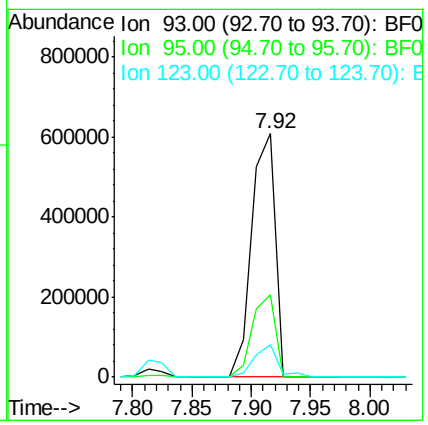
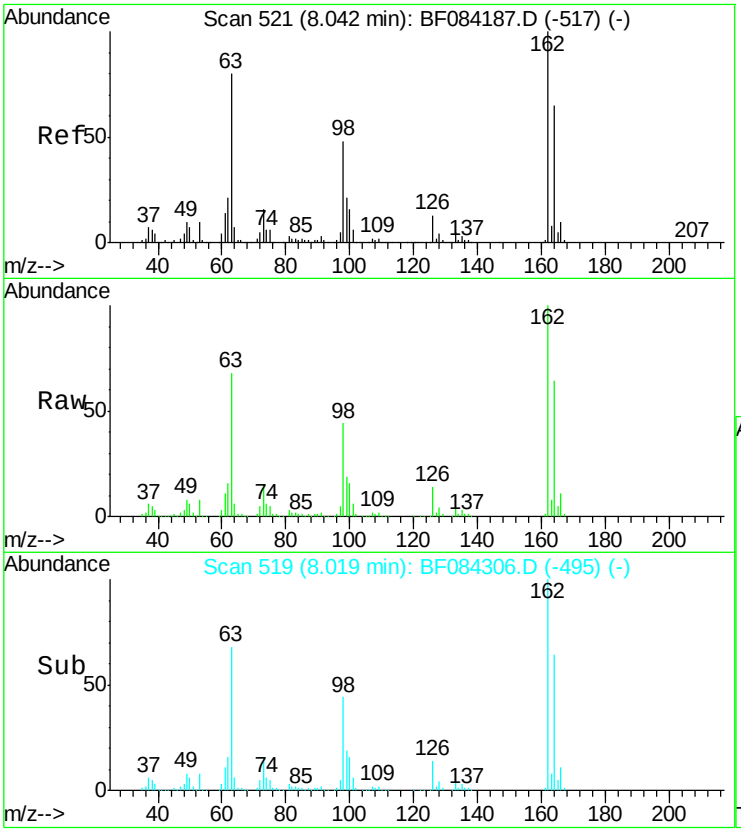



#28
bis(2-Chloroethoxy)methane
Concen: 39.63 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 93 Resp: 845919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.7 | 25.8 | 38.6 |
| 123 | 13.1 | 8.6 | 12.8# |

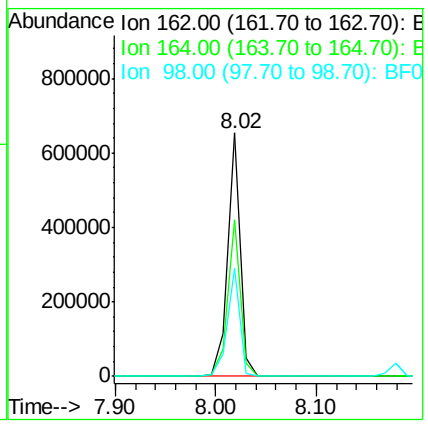





#29
2,4-Dichlorophenol
Concen: 40.07 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:162 Resp: 569795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.1 | 84.1 |
| 98 | 44.2 | 20.2 | 60.2 |




**Instrument :**
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**ClientSampleId :**
PB87680BS

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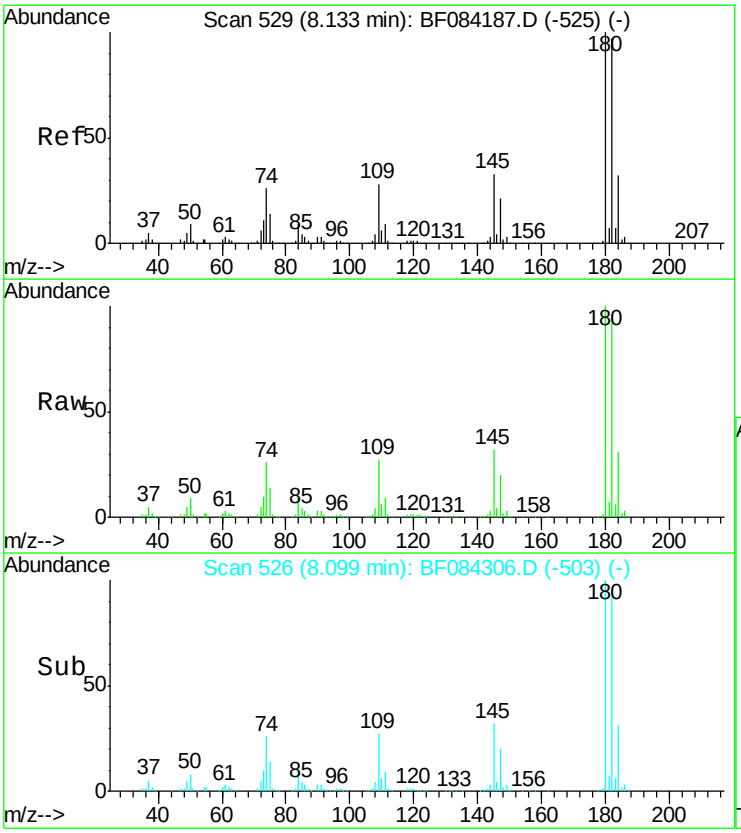
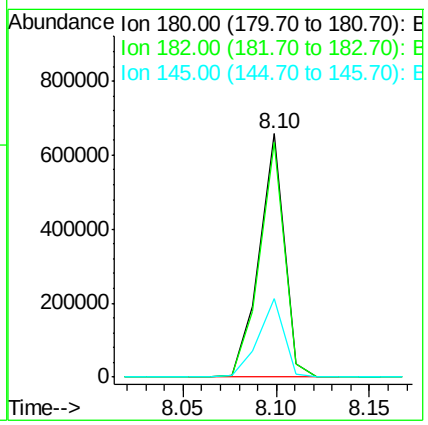
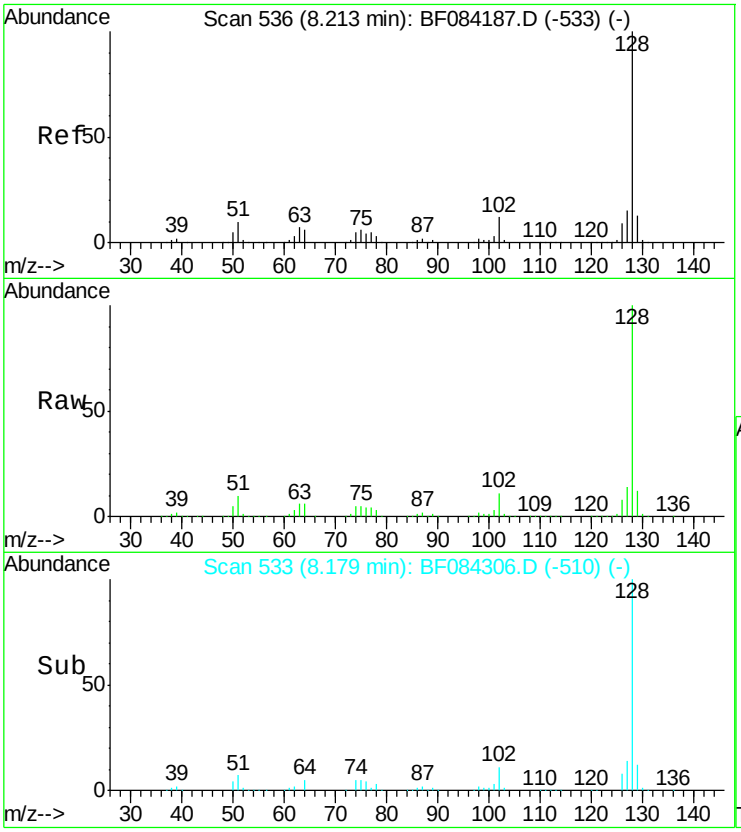



#30
1,2,4-Trichlorobenzene
Concen: 41.54 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:180 Resp: 609768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.4 | 114.6 |
| 145 | 32.3 | 31.6 | 47.4 |

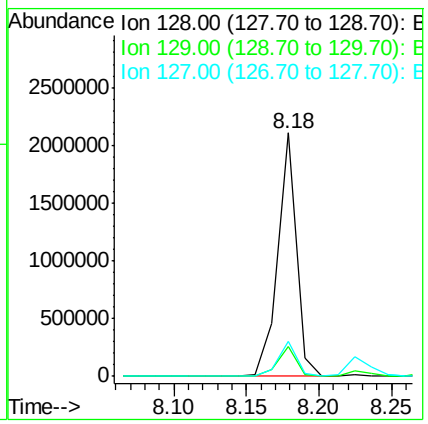





#31
Naphthalene
Concen: 40.78 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:128 Resp: 1881267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.0 | 9.1 | 13.7 |
| 127 | 14.3 | 11.1 | 16.7 |




**Instrument :**
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**ClientSampleId :**
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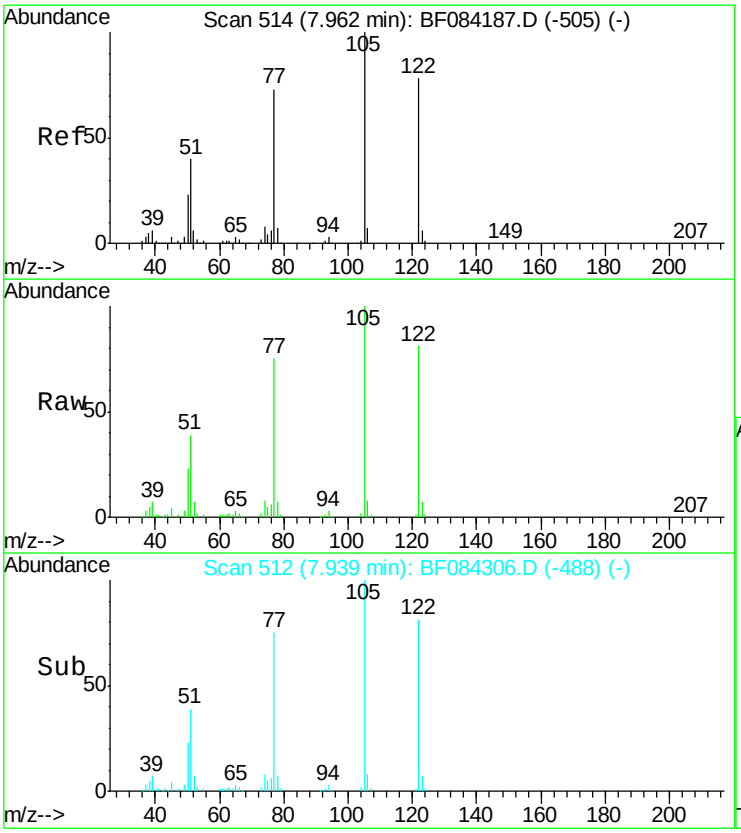
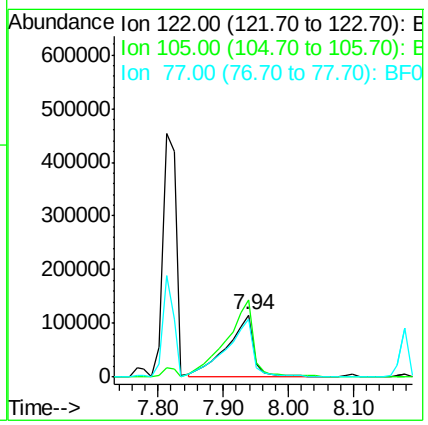
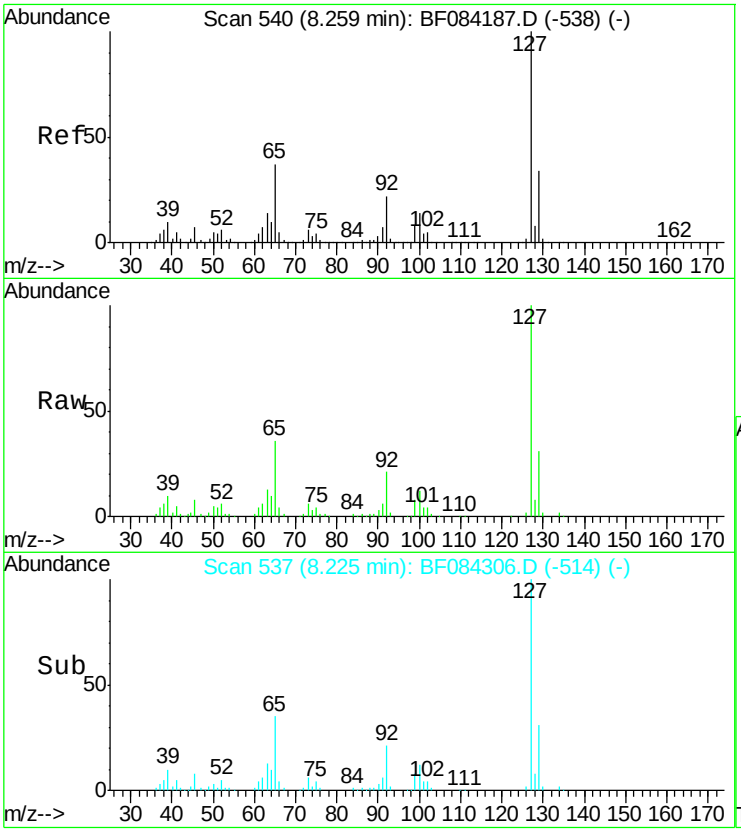



#32
Benzoic acid
Concen: 32.52 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:122 Resp: 331754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.2 | 100.3 | 140.3 |
| 77 | 93.7 | 63.5 | 103.5 |

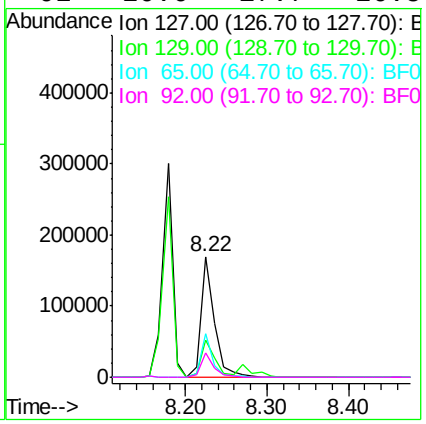





#33
4-Chloroaniline
Concen: 9.45 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:127 Resp: 199842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 30.8 | 26.5 | 39.7 |
| 65 | 35.8 | 27.2 | 40.8 |
| 92 | 20.6 | 17.7 | 26.5 |

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**ClientSampleId :**
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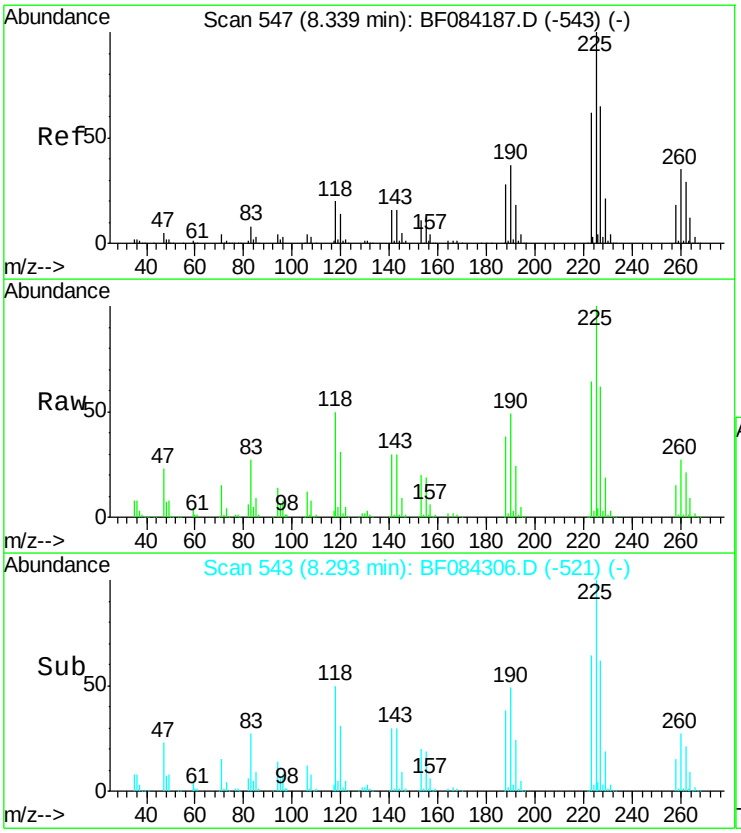
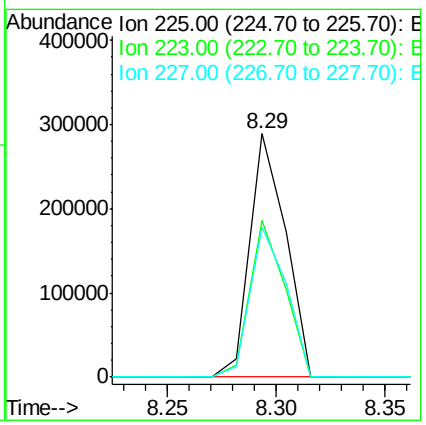
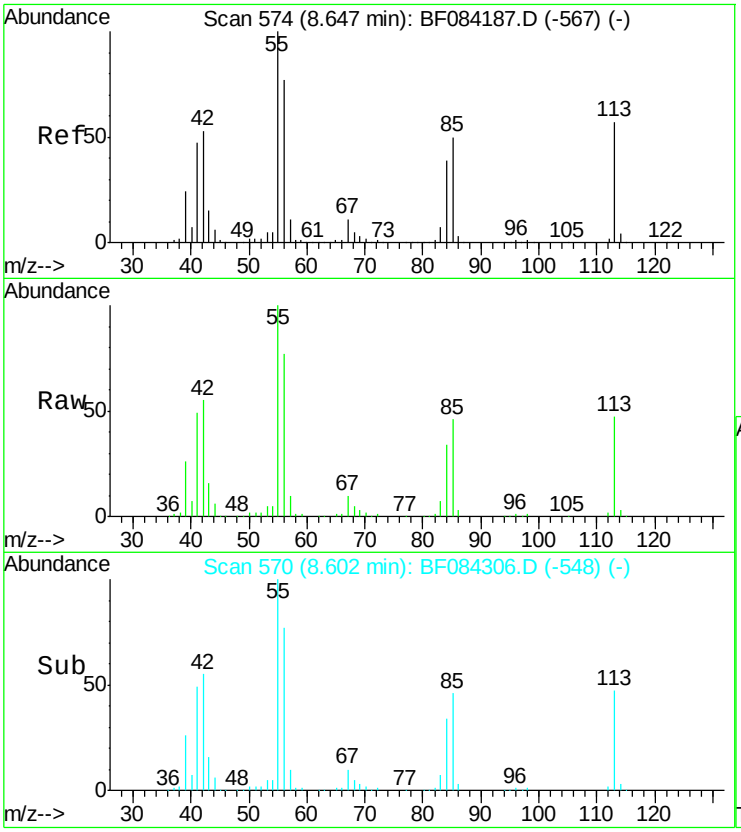



#34
Hexachlorobutadiene
Concen: 39.27 ng
RT: 8.29 min Scan# 543
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:225 Resp: 331378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 49.4 | 74.0 |
| 227 | 61.6 | 50.8 | 76.2 |

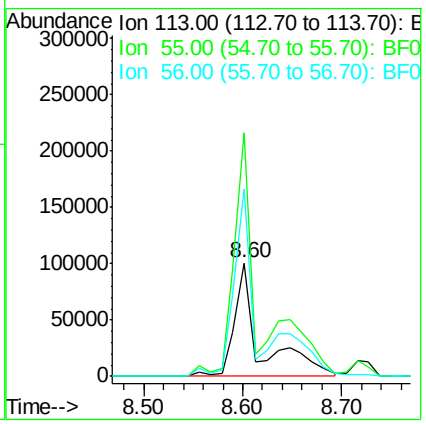





#35
Caprolactam
Concen: 38.23 ng m
RT: 8.60 min Scan# 570
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:113 Resp: 183281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 215.0 | 116.9 | 156.9# |
| 56 | 165.6 | 93.8 | 133.8# |




**Instrument :**
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**ClientSampleId :**
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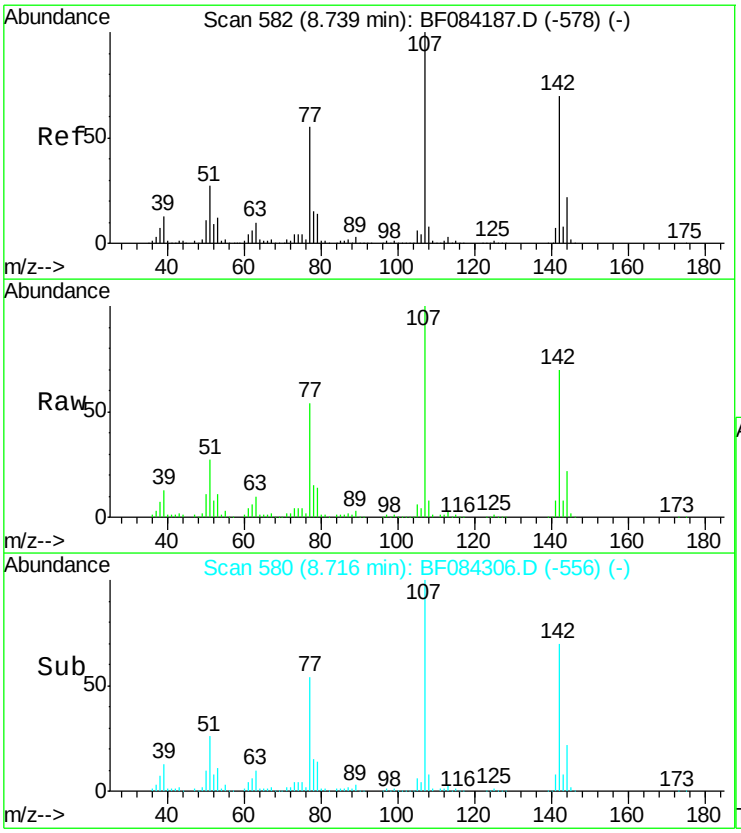
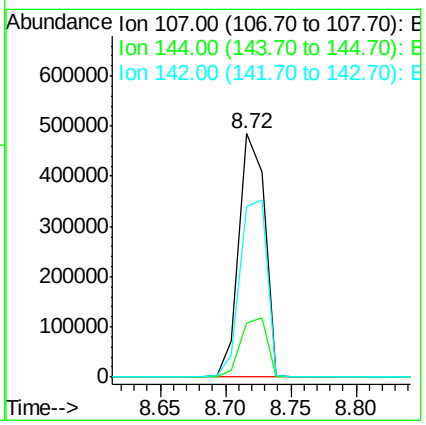
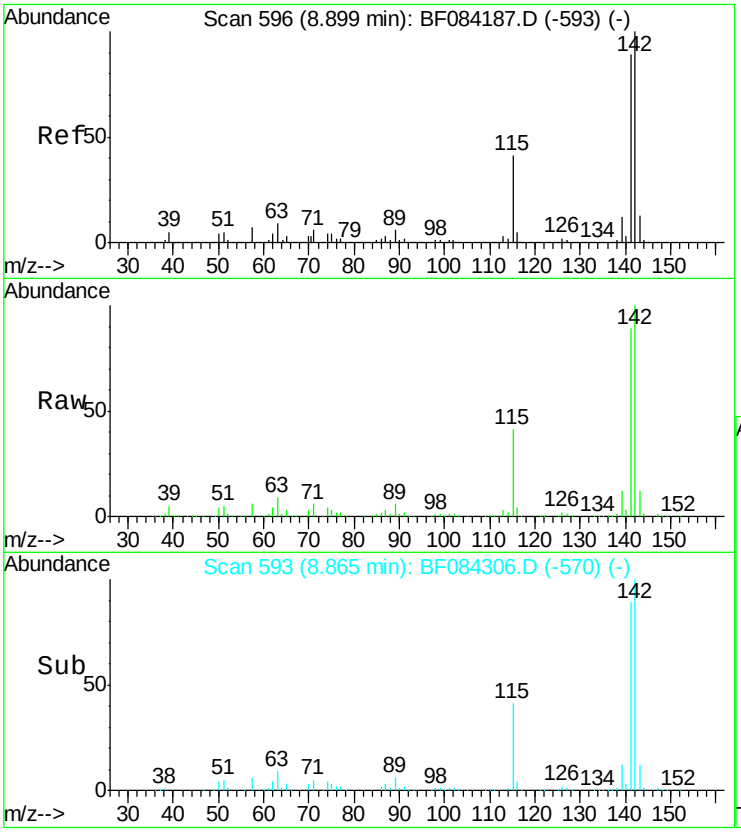



#36
4-Chloro-3-methylphenol
Concen: 41.99 ng
RT: 8.72 min Scan# 580
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:107 Resp: 668813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.1 | 19.7 | 29.5 |
| 142 | 70.0 | 61.8 | 92.6 |

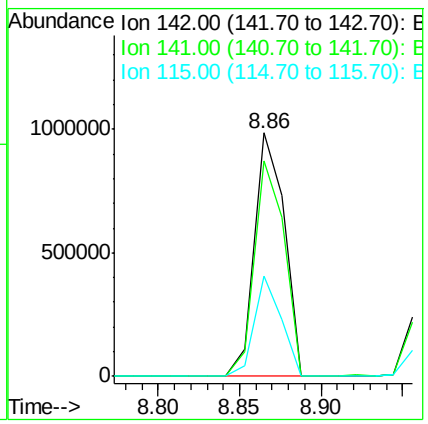





#37
2-Methylnaphthalene
Concen: 37.84 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:142 Resp: 1253336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 72.4 | 108.6 |
| 115 | 40.9 | 27.9 | 41.9 |




**Instrument :**
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**ClientSampleId :**
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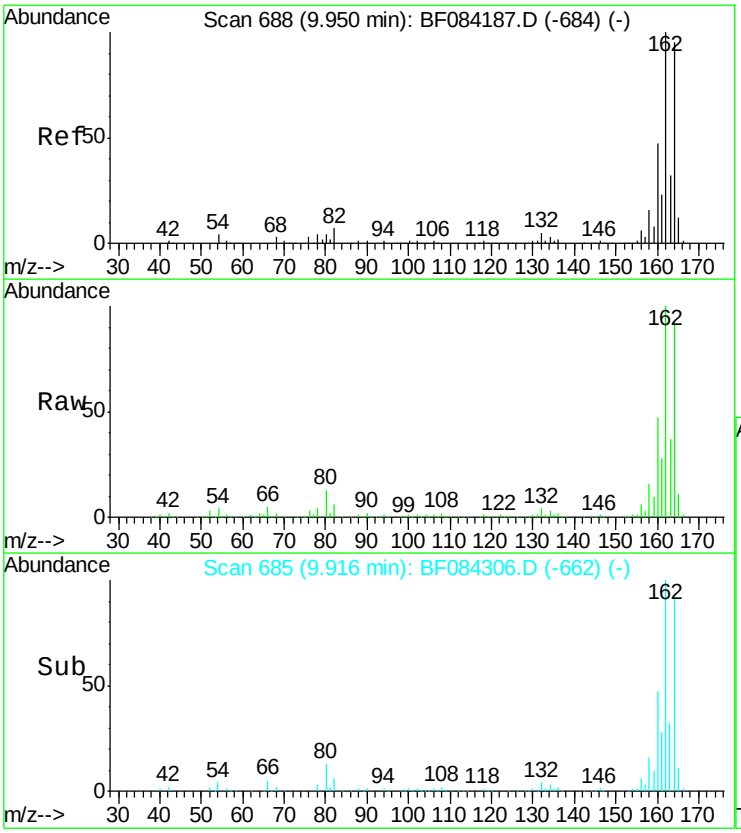
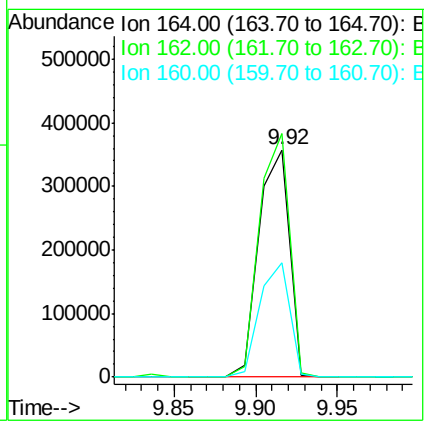
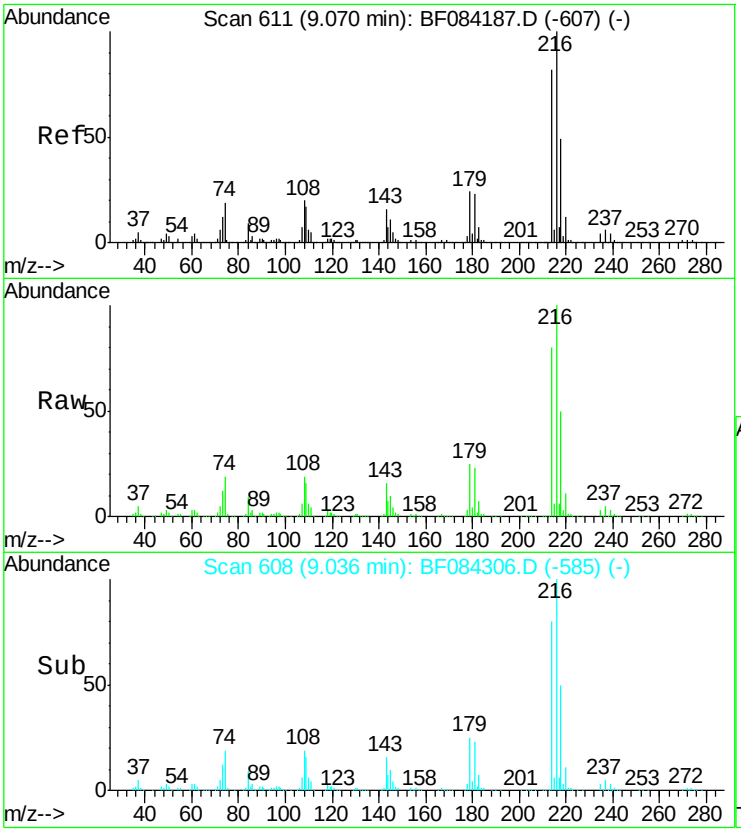



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:164 Resp: 466108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.2 | 85.1 | 127.7 |
| 160 | 50.2 | 37.5 | 56.3 |

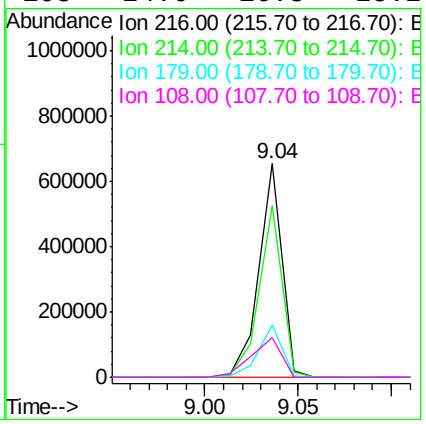





#39
1,2,4,5-Tetrachlorobenzene
Concen: 41.54 ng
RT: 9.04 min Scan# 608
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:216 Resp: 556689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.2 | 64.2 | 96.2 |
| 179 | 24.9 | 18.7 | 28.1 |
| 108 | 24.6 | 16.8 | 25.2 |




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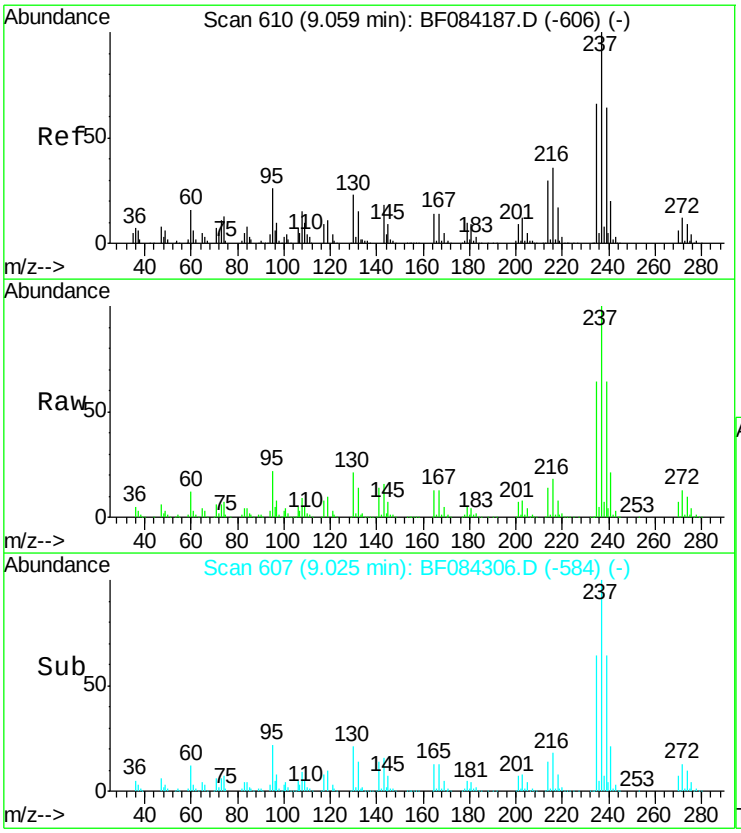
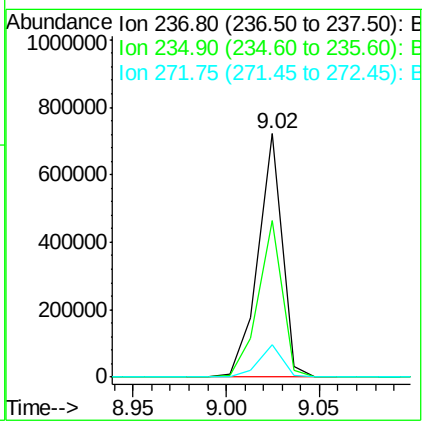
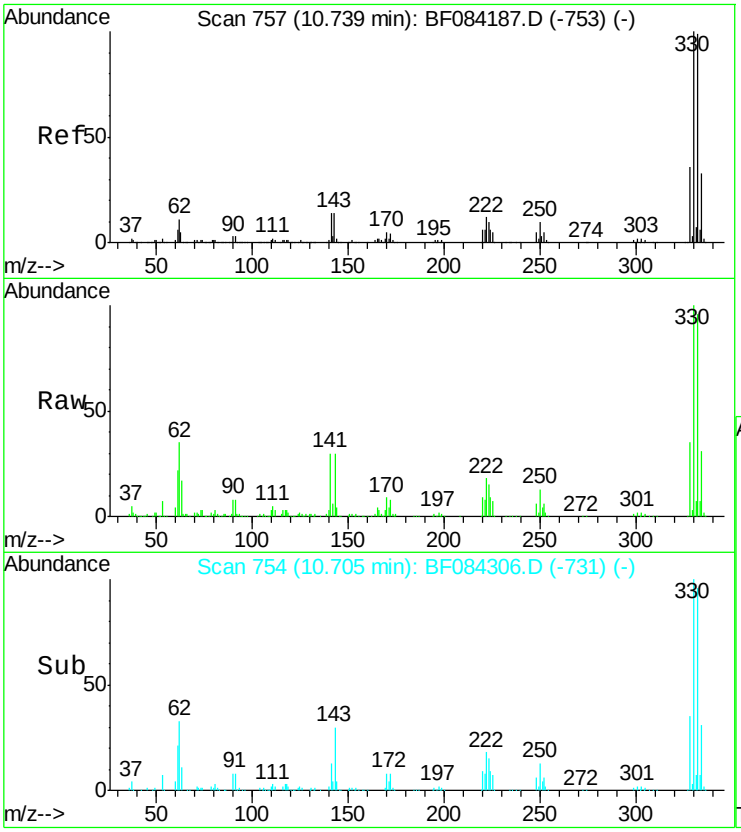



#40
Hexachlorocyclopentadiene
Concen: 79.64 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:237 Resp: 644204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.1 | 43.1 | 83.1 |
| 272 | 13.1 | 0.0 | 35.1 |

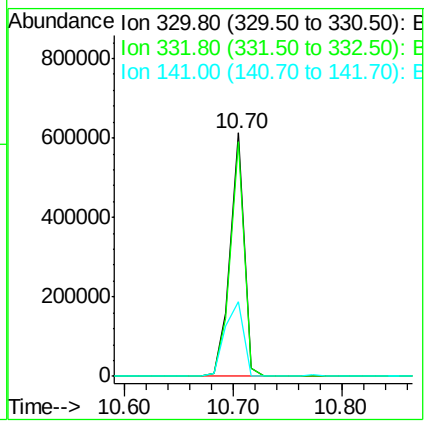





#41
2,4,6-Tribromophenol
Concen: 117.60 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:330 Resp: 553416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.5 | 76.6 | 114.8 |
| 141 | 40.0 | 27.8 | 41.6 |




**Instrument :**
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**ClientSampleId :**
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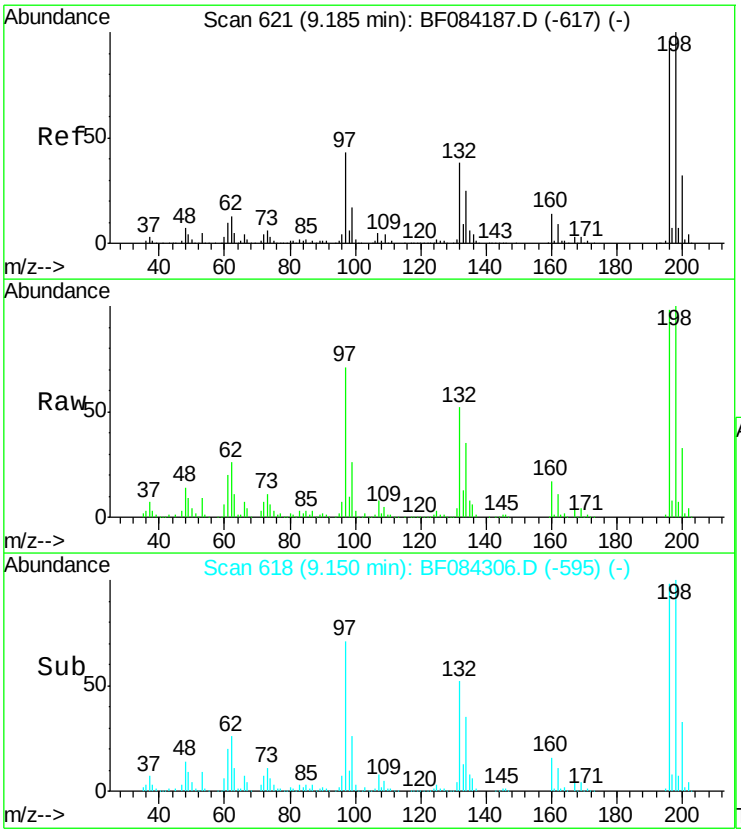
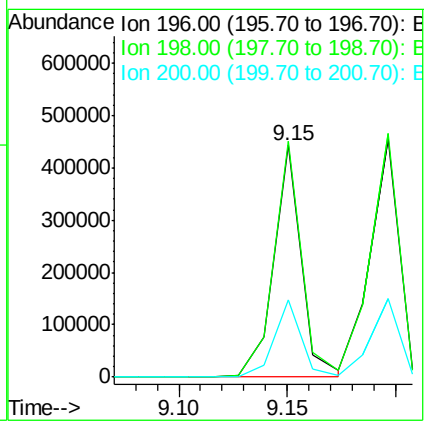
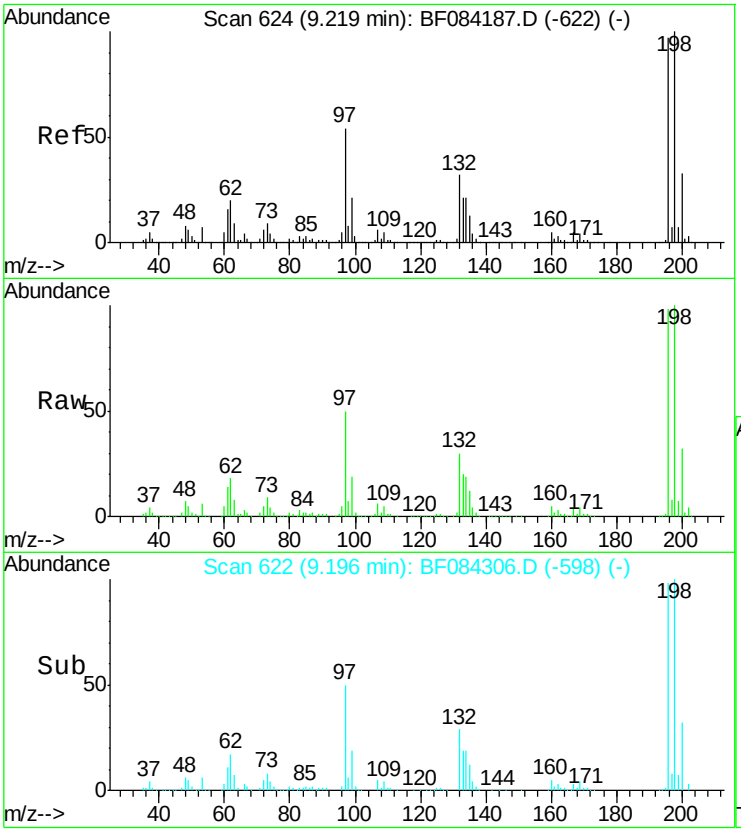



#42
2,4,6-Trichlorophenol
Concen: 39.64 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:196 Resp: 397407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.9 | 77.7 | 116.5 |
| 200 | 33.6 | 24.6 | 37.0 |

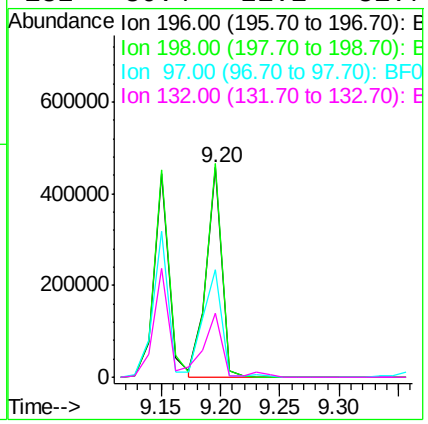





#43
2,4,5-Trichlorophenol
Concen: 43.96 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:196 Resp: 422435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.9 | 79.0 | 118.6 |
| 97 | 51.1 | 33.0 | 49.6# |
| 132 | 30.4 | 21.1 | 31.7 |




**Instrument :**
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**ClientSampleId :**
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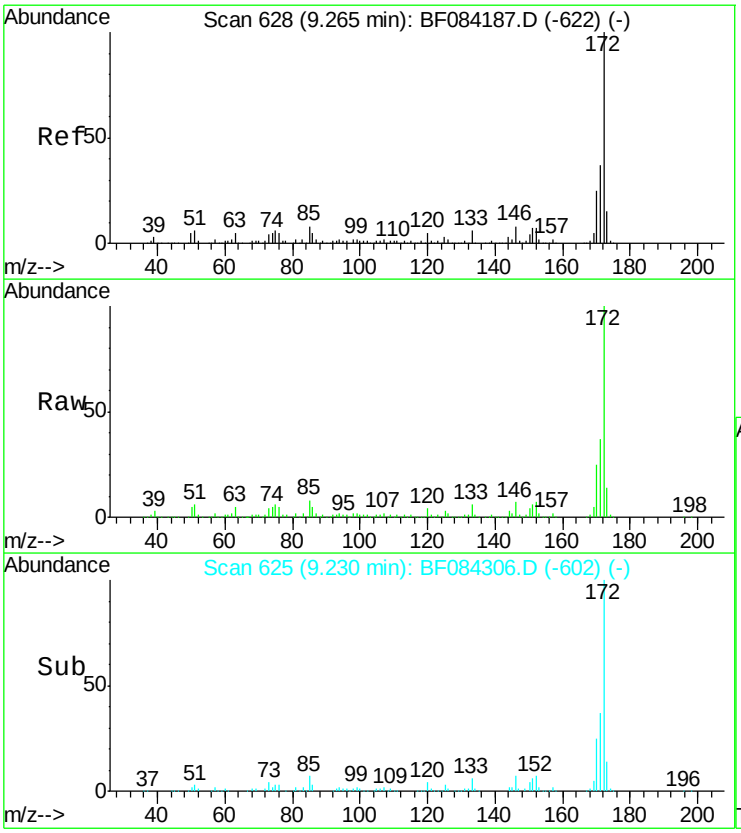
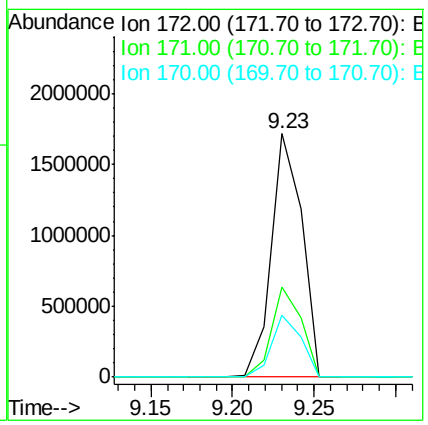
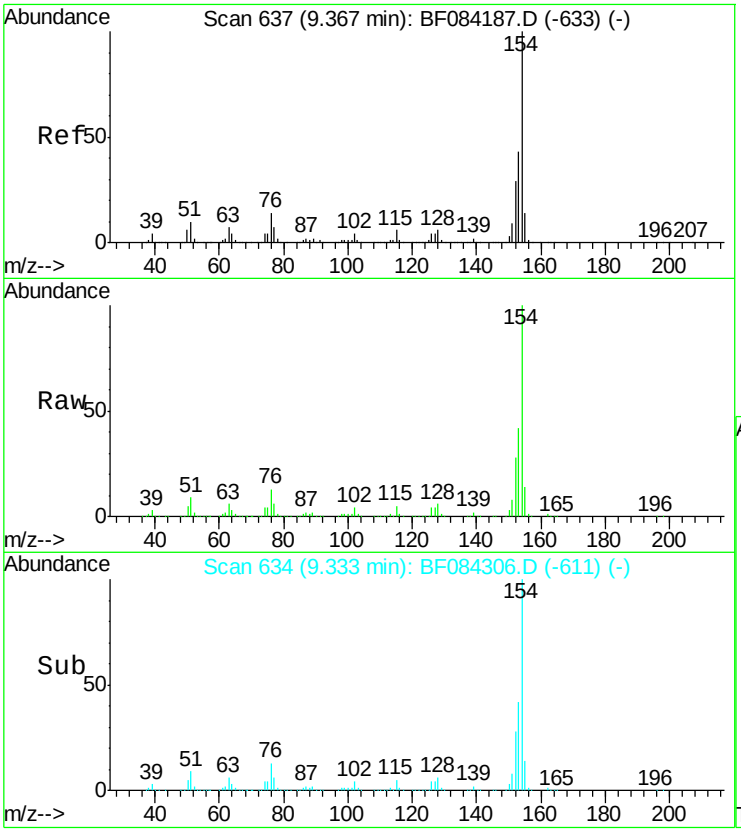



#44
2-Fluorobiphenyl
Concen: 84.60 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:172 Resp: 2242392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.1 | 28.9 | 43.3 |
| 170 | 25.4 | 18.6 | 27.8 |

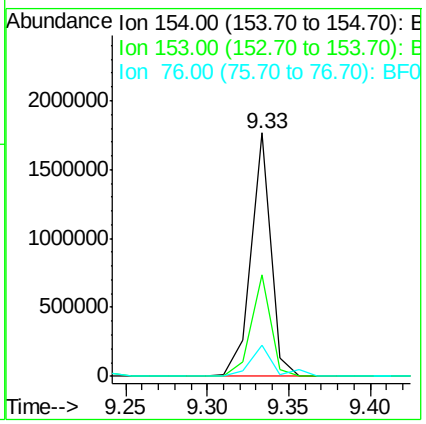





#45
1,1'-Biphenyl
Concen: 40.40 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:154 Resp: 1496786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.6 | 21.6 | 61.6 |
| 76 | 12.8 | 0.0 | 32.7 |




**Instrument :**
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**ClientSampleId :**
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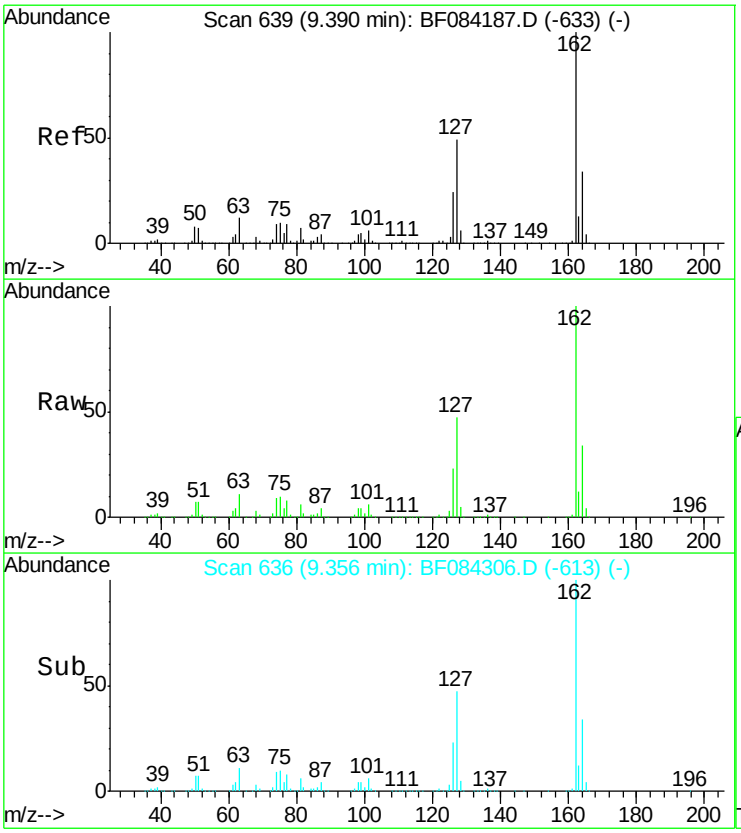
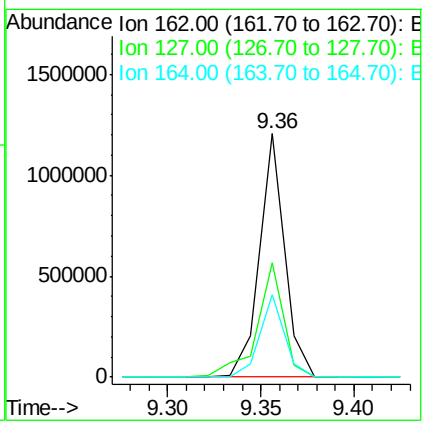
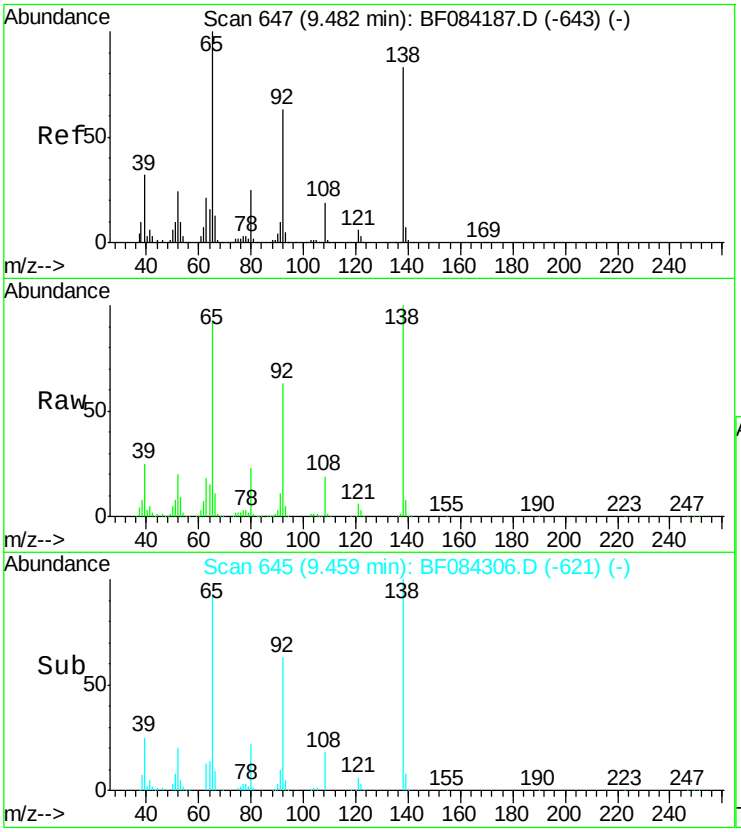



#46
2-Chloronaphthalene
Concen: 38.29 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:162 Resp: 1114298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 47.0 | 40.2 | 60.4 |
| 164 | 33.7 | 25.7 | 38.5 |

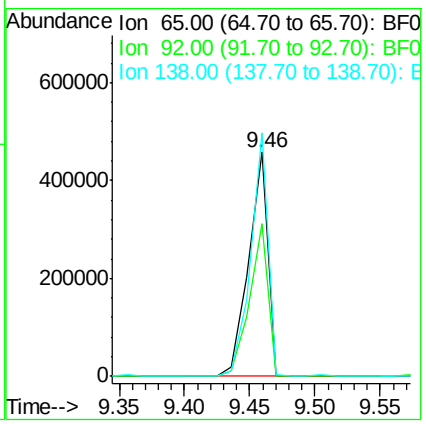





#47
2-Nitroaniline
Concen: 48.71 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 65 Resp: 467824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.9 | 53.4 | 80.2 |
| 138 | 108.5 | 71.1 | 106.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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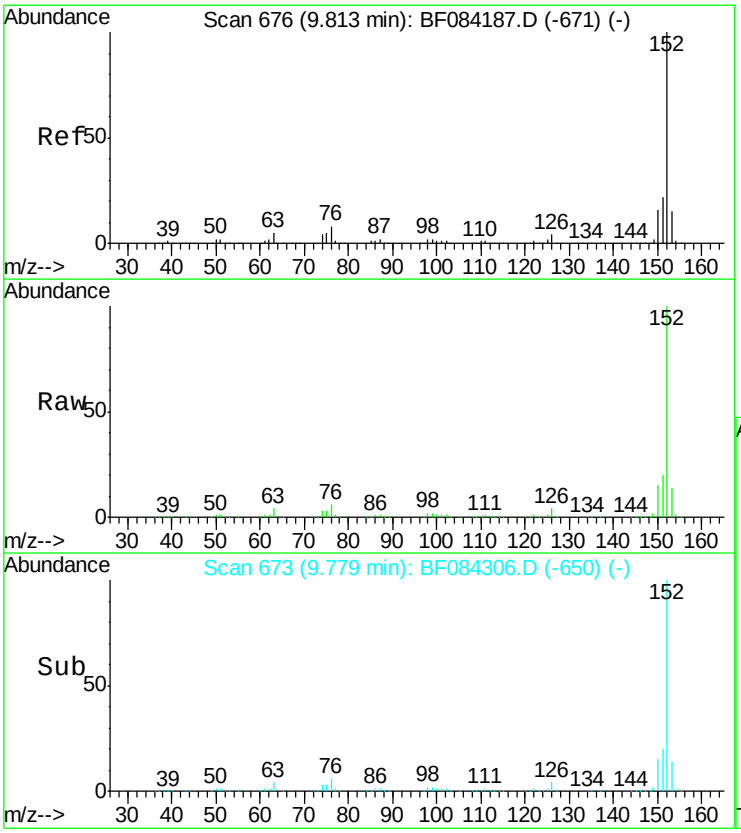
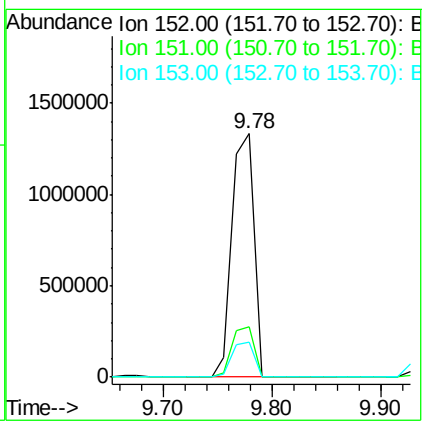
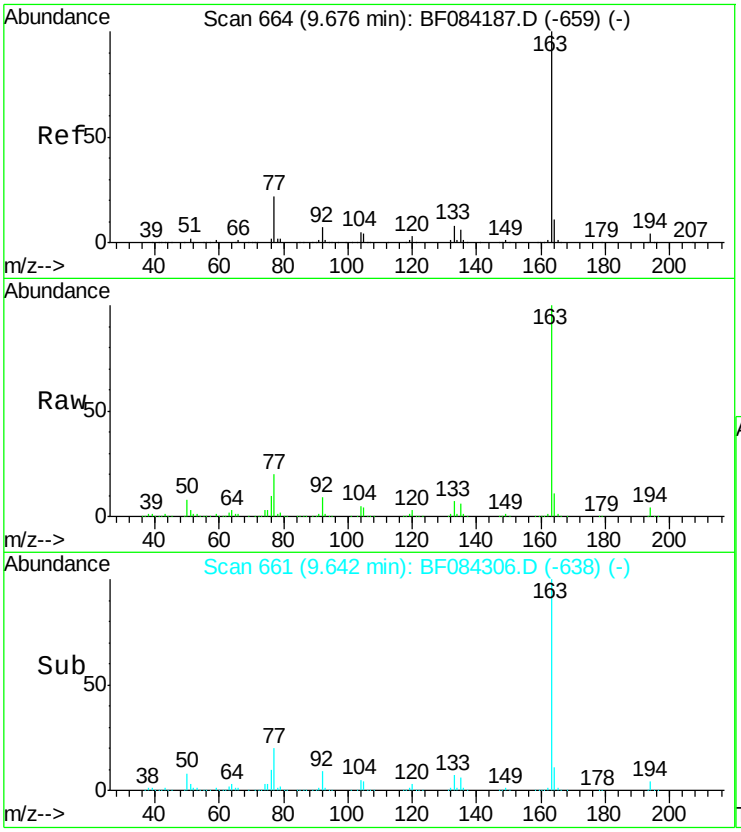



#48
Acenaphthylene
Concen: 42.66 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:152 Resp: 1833742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.3 | 24.5 |
| 153 | 14.4 | 10.4 | 15.6 |

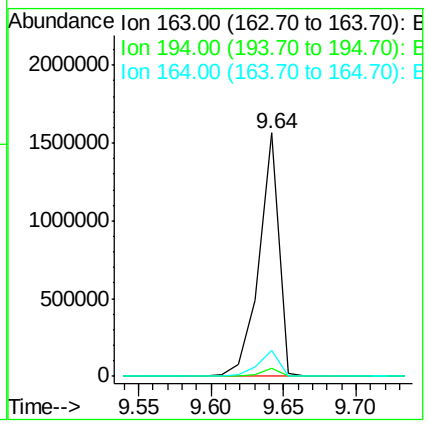





#49
Dimethylphthalate
Concen: 44.47 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:163 Resp: 1481966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 8.0 | 12.0# |
| 164 | 10.5 | 8.0 | 12.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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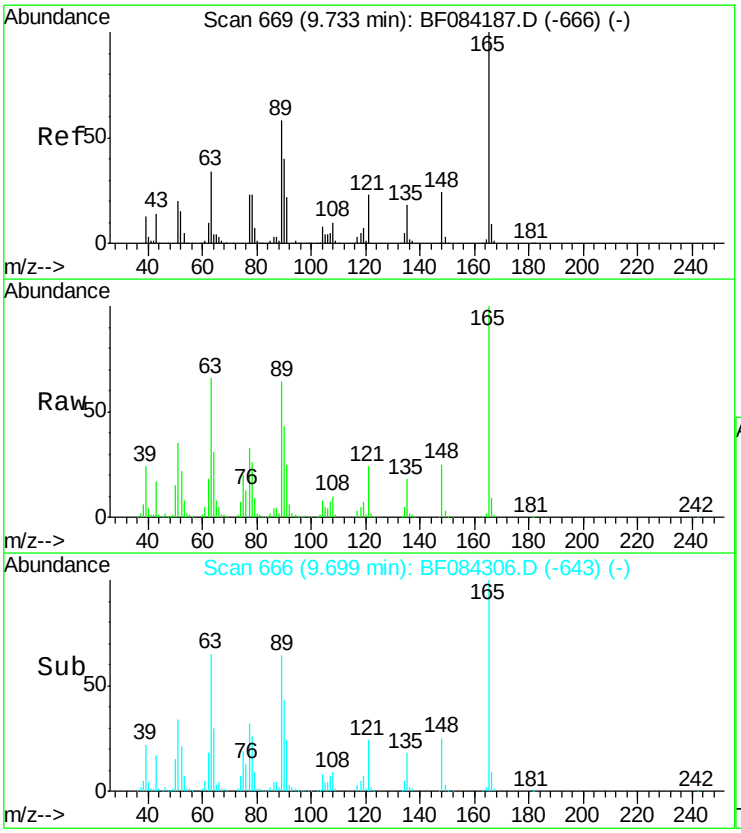
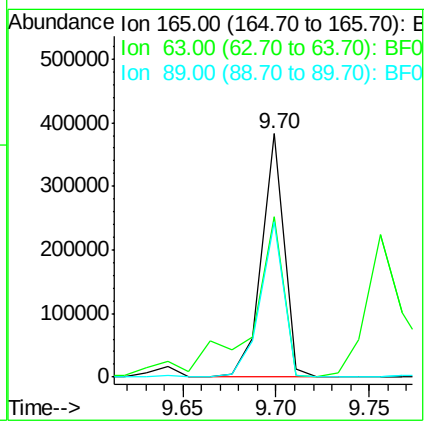
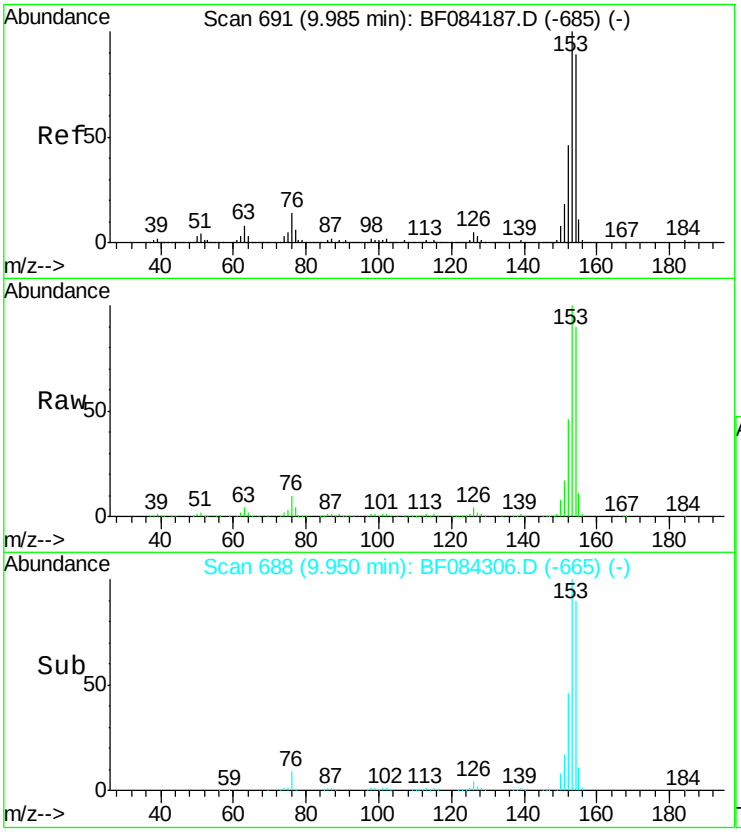



#50
2,6-Dinitrotoluene
Concen: 43.32 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:165 Resp: 316634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 65.8 | 28.8 | 43.2# |
| 89 | 63.8 | 35.1 | 52.7# |

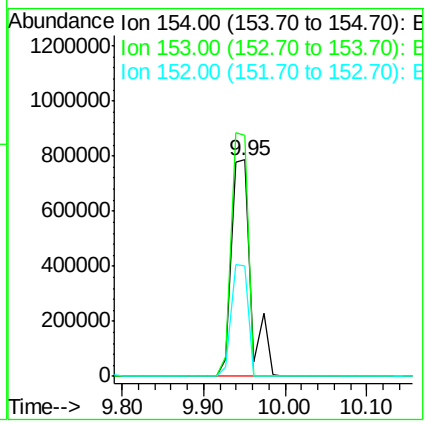





#51
Acenaphthene
Concen: 45.89 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:154 Resp: 1323230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 91.5 | 137.3 |
| 152 | 50.9 | 43.0 | 64.6 |




**Instrument :**
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**ClientSampleId :**
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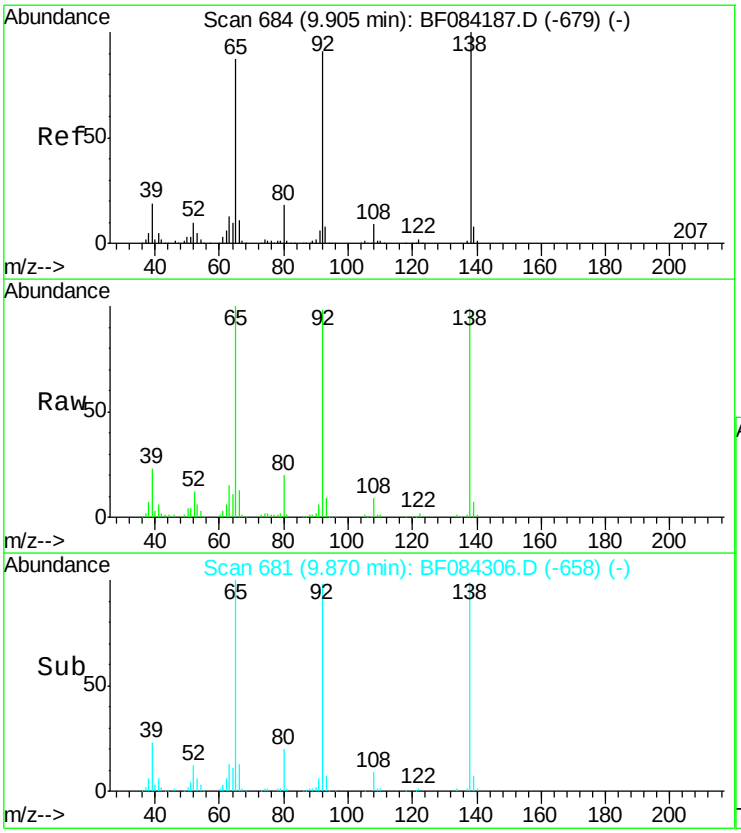
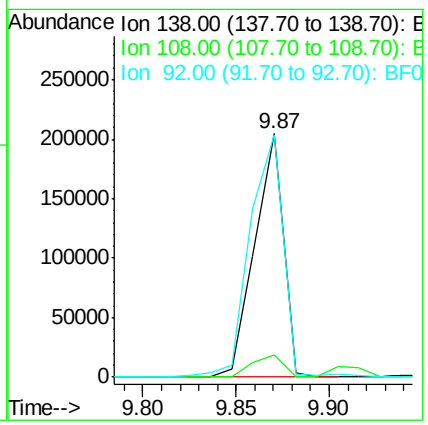
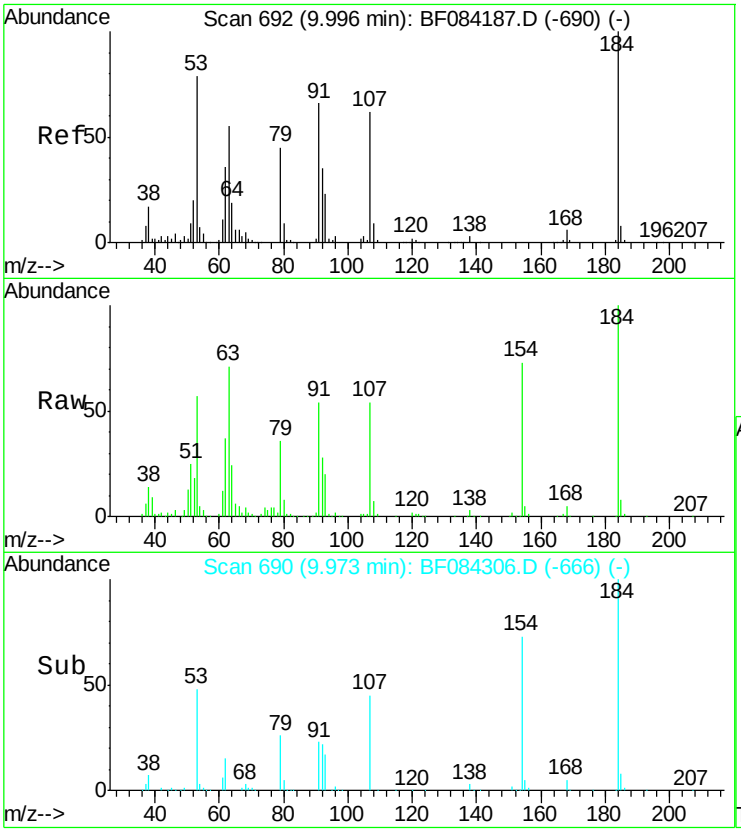



#52
3-Nitroaniline
Concen: 23.98 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:138 Resp: 217192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.2 | 10.5 | 15.7# |
| 92 | 99.4 | 103.9 | 155.9# |

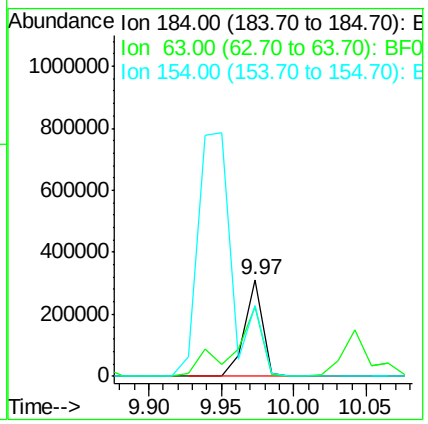





#53
2,4-Dinitrophenol
Concen: 87.54 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:184 Resp: 273636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 71.3 | 43.1 | 64.7# |
| 154 | 72.9 | 60.5 | 90.7 |




**Instrument :**
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**ClientSampleId :**
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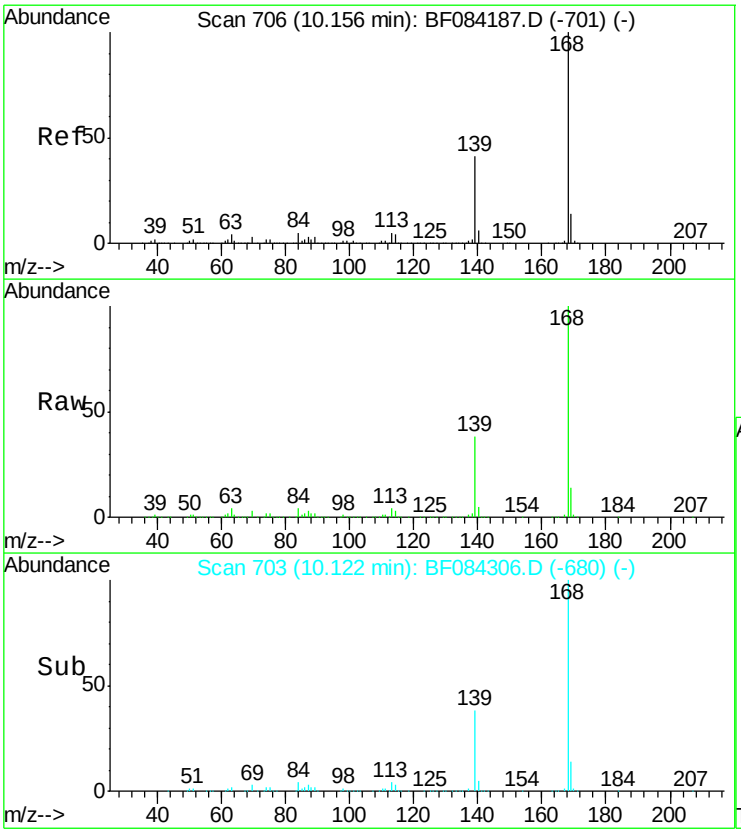
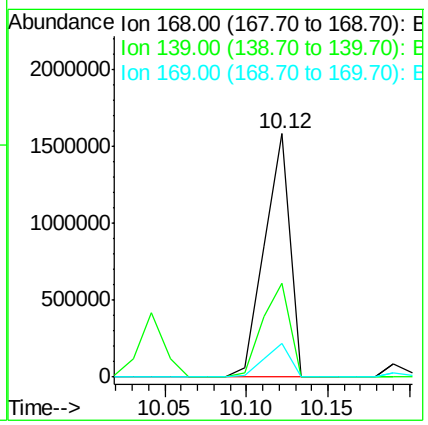
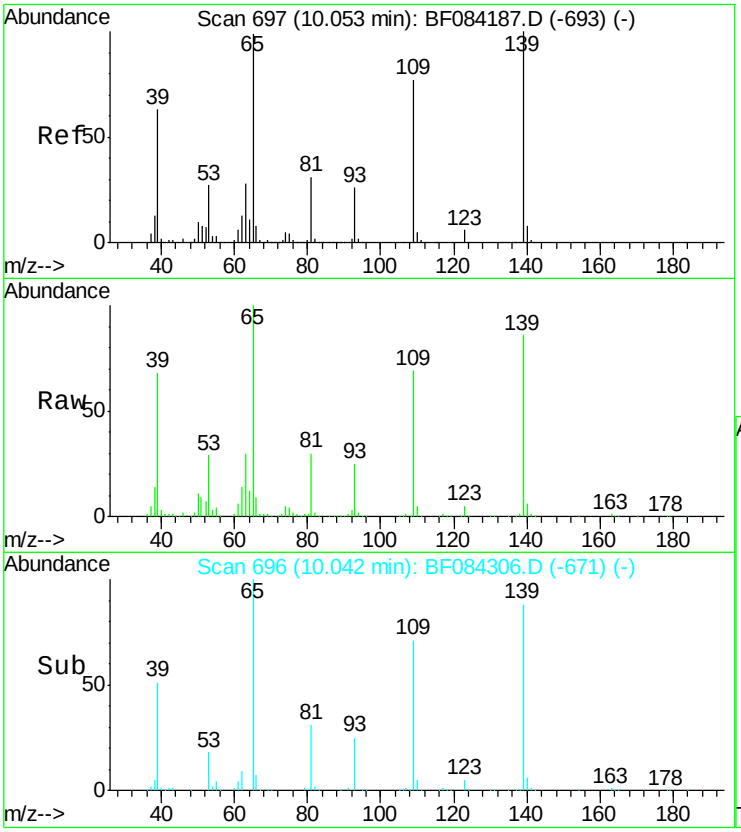



#54
Dibenzofuran
Concen: 45.97 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:168 Resp: 1714577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.4 | 30.5 | 45.7 |
| 169 | 13.6 | 10.4 | 15.6 |

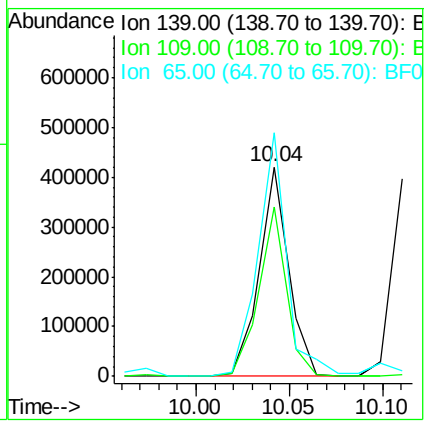





#55
4-Nitrophenol
Concen: 70.08 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:139 Resp: 460650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.8 | 58.5 | 98.5 |
| 65 | 116.3 | 57.6 | 97.6# |




**Instrument :**
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**ClientSampleId :**
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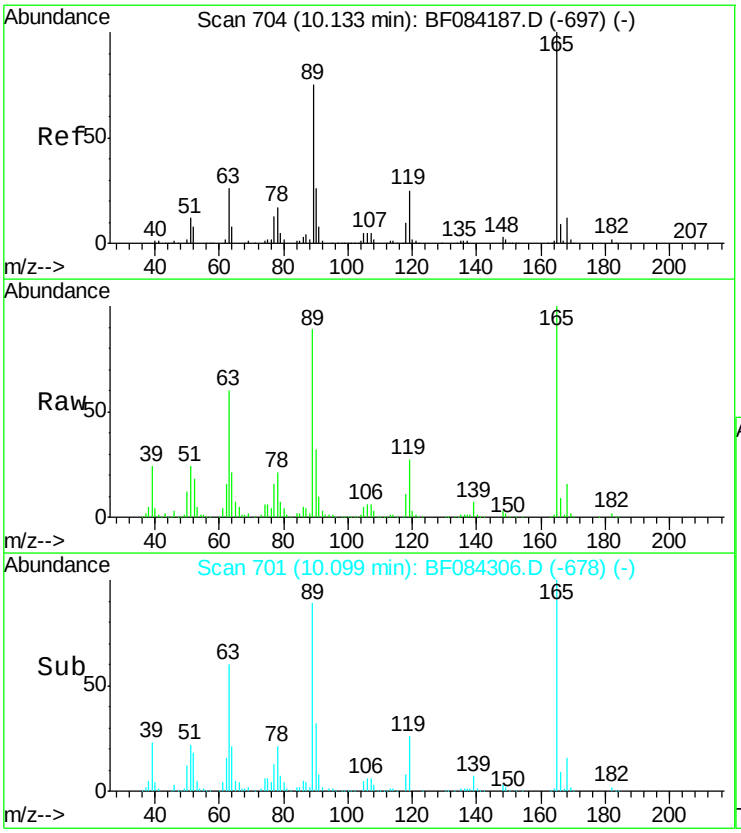
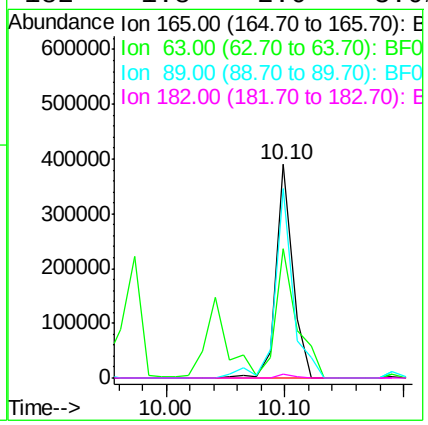
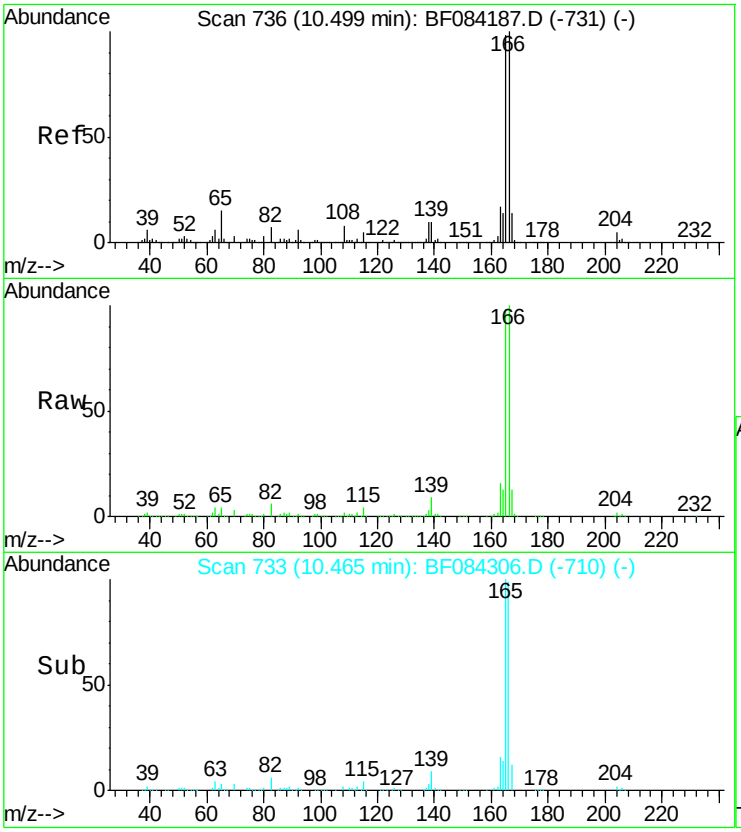



#56
2,4-Dinitrotoluene
Concen: 41.13 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:165 Resp: 380428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.4 | 36.7 | 55.1# |
| 89 | 88.9 | 61.9 | 92.9 |
| 182 | 1.8 | 2.0 | 3.0# |

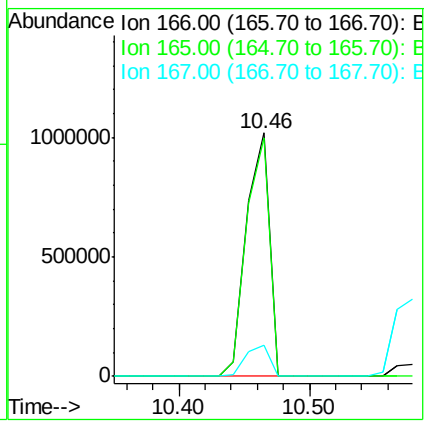





#57
Fluorene
Concen: 43.18 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:166 Resp: 1249737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 79.1 | 118.7 |
| 167 | 12.9 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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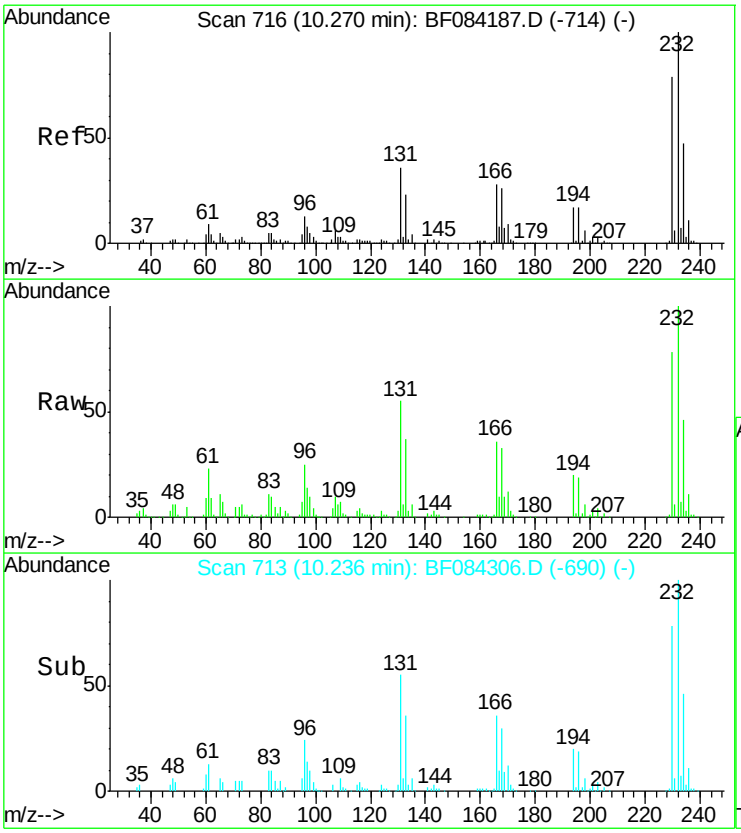
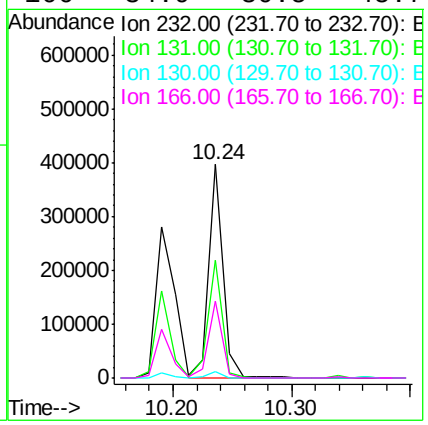
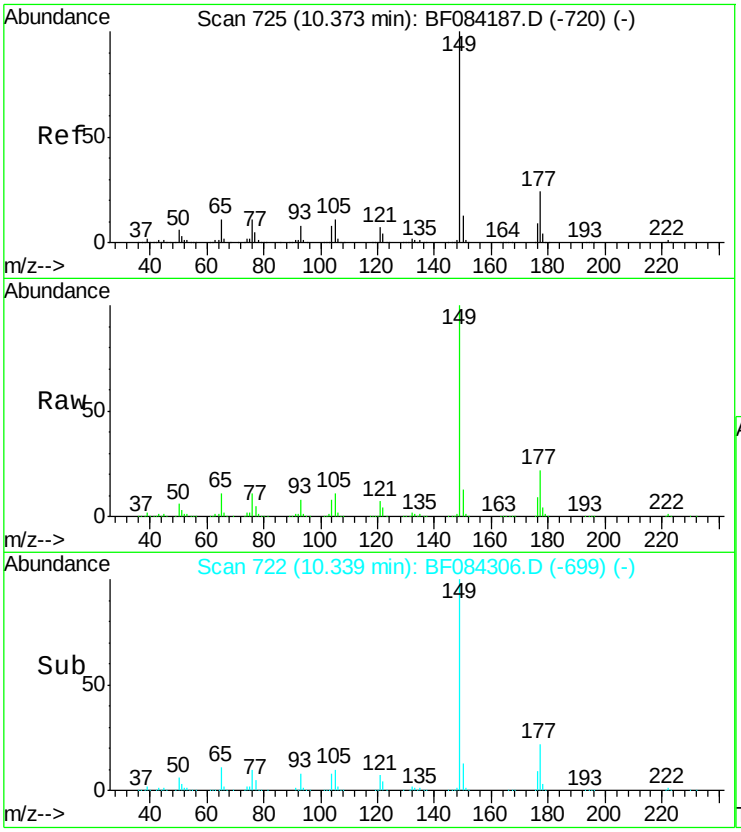



#58
2,3,4,6-Tetrachlorophenol
Concen: 40.31 ng
RT: 10.24 min Scan# 713
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:232 Resp: 330749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 54.8 | 47.0 | 70.6 |
| 130 | 2.8 | 2.0 | 3.0 |
| 166 | 34.9 | 30.5 | 45.7 |

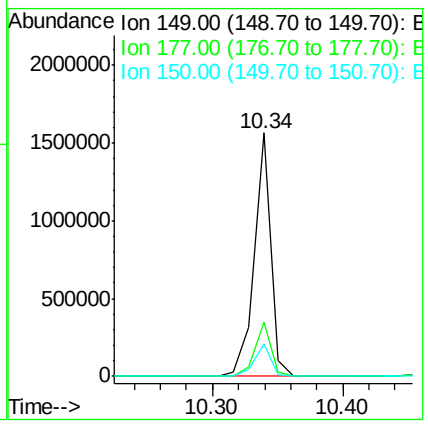





#59
Diethylphthalate
Concen: 41.93 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:149 Resp: 1377684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.3 | 25.9 |
| 150 | 13.3 | 9.8 | 14.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

**Manual Integrations APPROVED**
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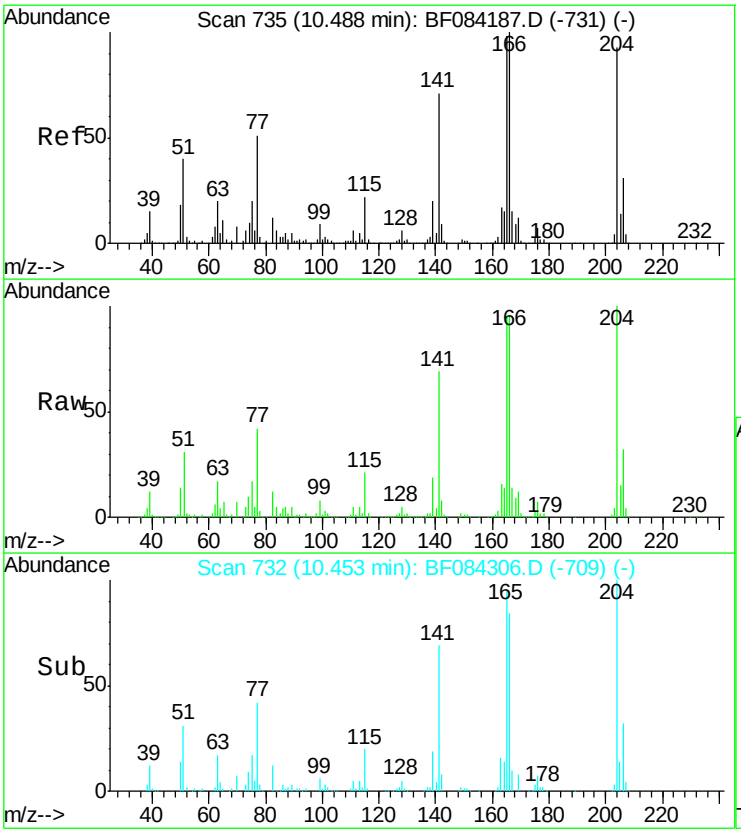
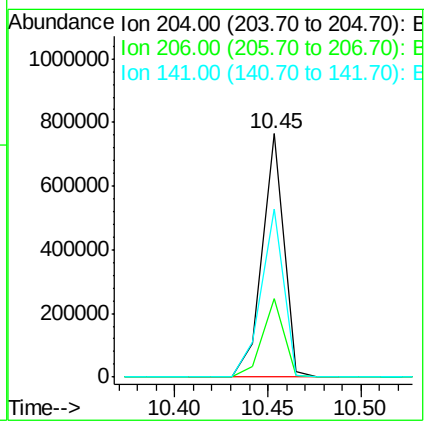
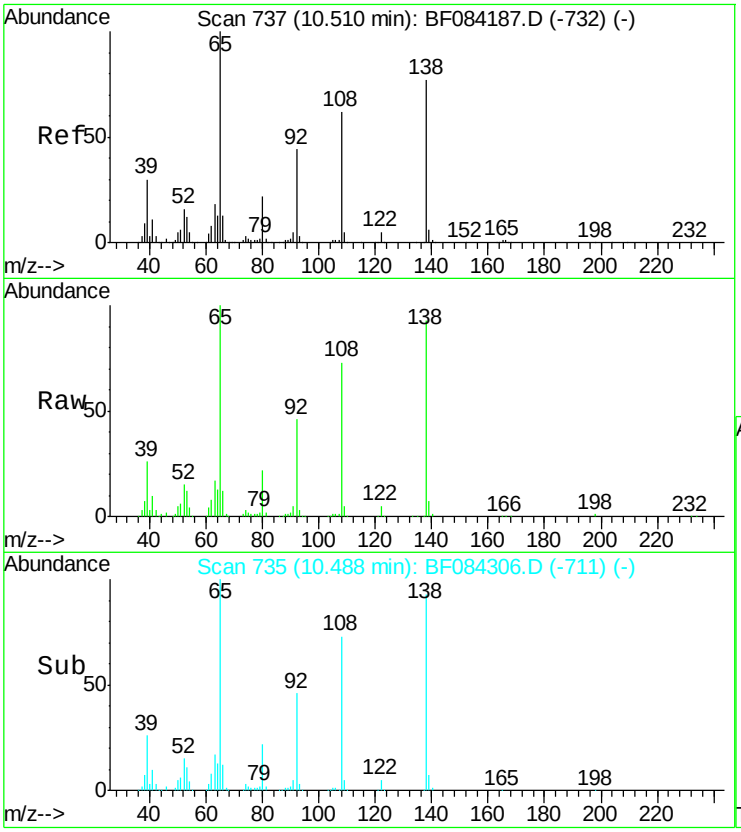



#60
4-Chlorophenyl-phenylether
Concen: 51.35 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:204 Resp: 612110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.7 | 38.5 |
| 141 | 69.3 | 55.1 | 82.7 |

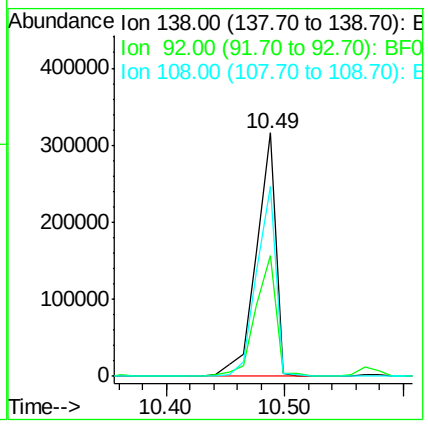





#61
4-Nitroaniline
Concen: 44.87 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:138 Resp: 362242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.8 | 32.6 | 72.6 |
| 108 | 78.2 | 68.6 | 108.6 |




**Instrument :**
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**ClientSampleId :**
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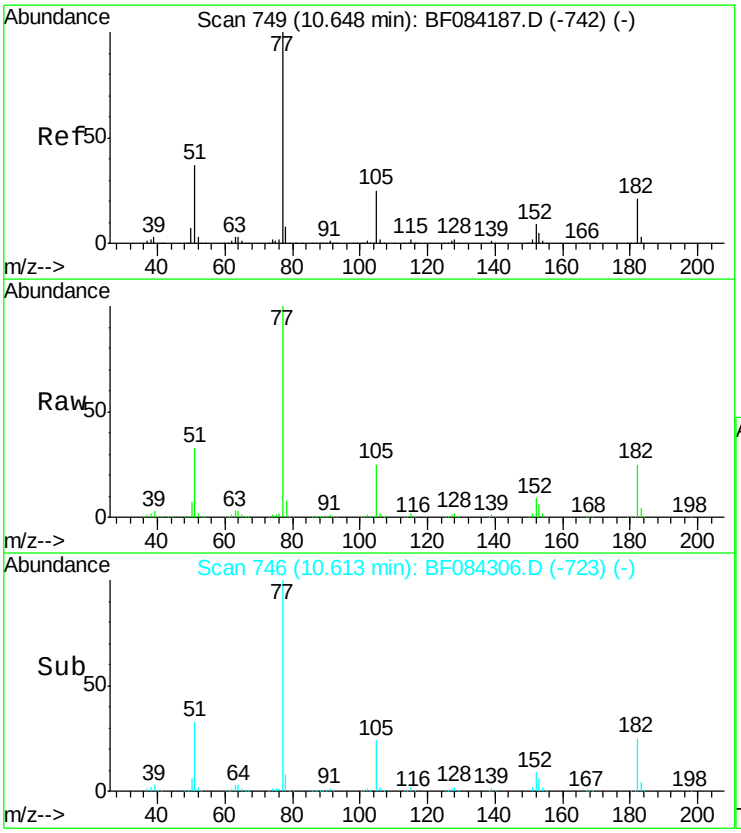
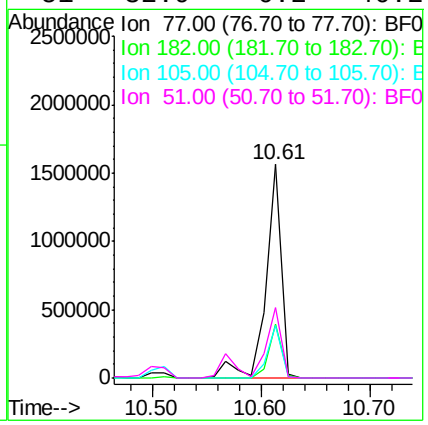
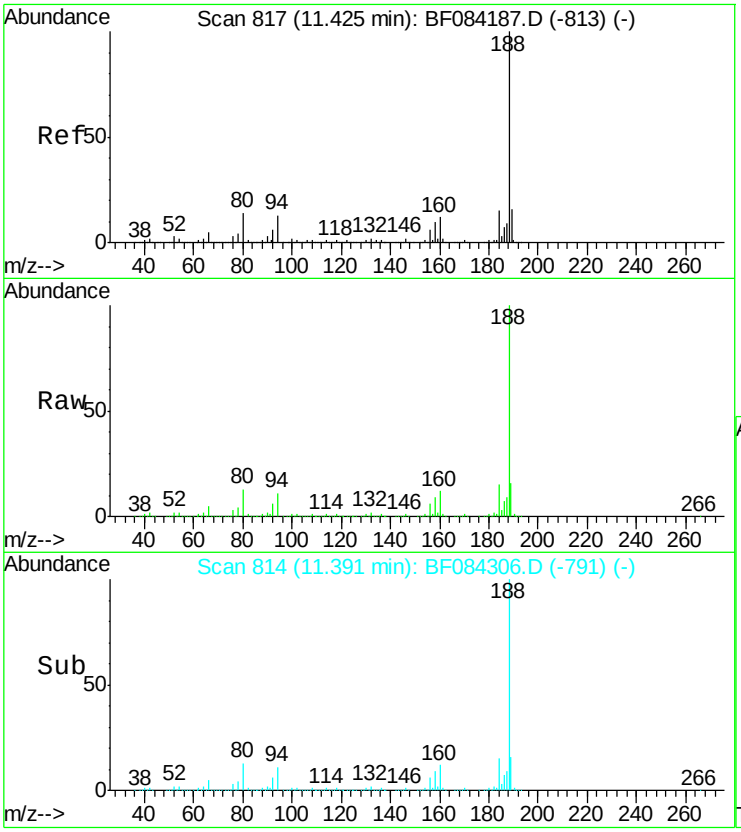



#62
Azobenzene
Concen: 43.30 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion: 77 Resp: 1560441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.2 | 8.3 | 48.3 |
| 105 | 24.5 | 4.6 | 44.6 |
| 51 | 32.9 | 6.2 | 46.2 |

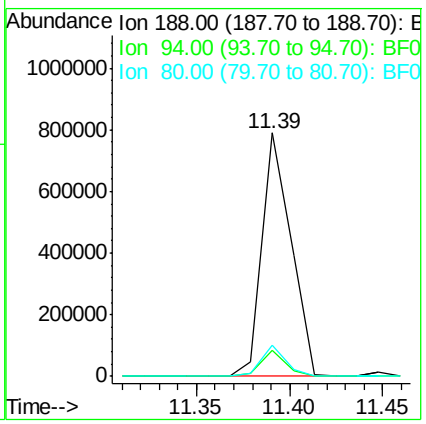





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:188 Resp: 845720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 9.0 | 13.4 |
| 80 | 12.6 | 9.6 | 14.4 |




**Instrument :**
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**ClientSampleId :**
PB87680BS

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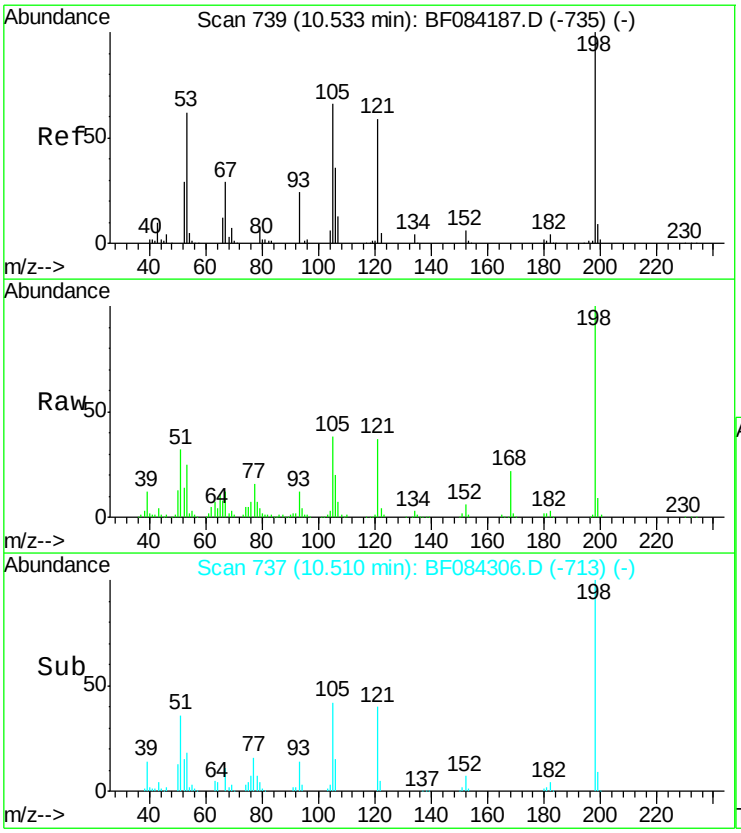
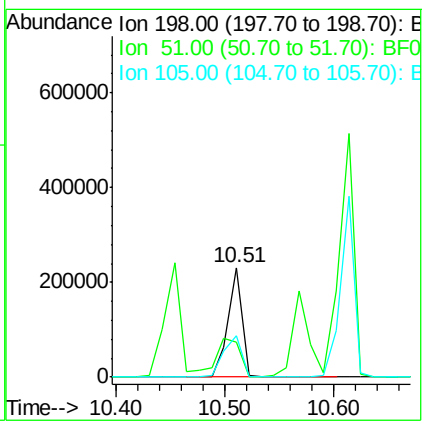
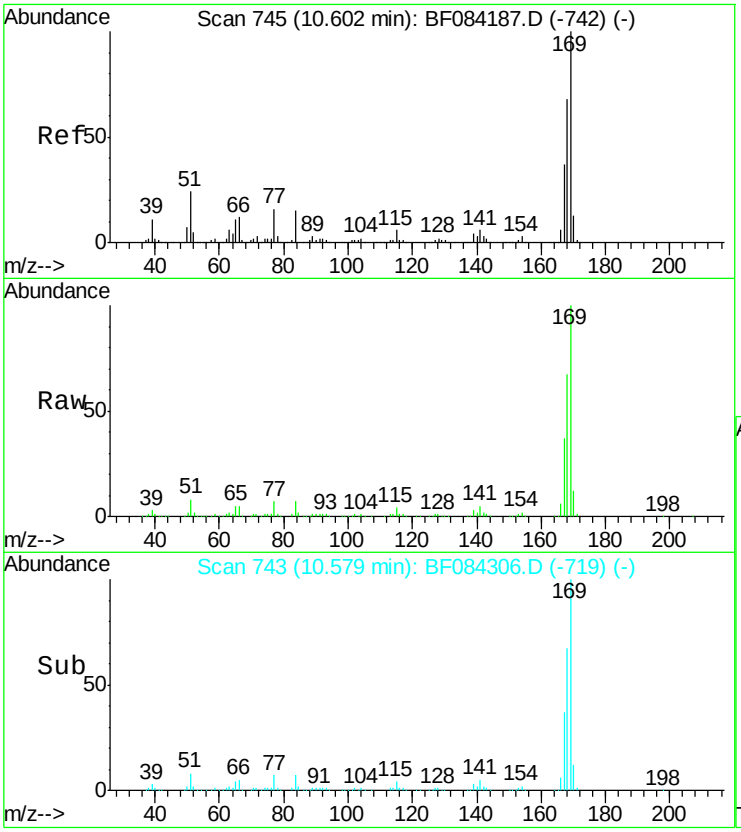



#64
4,6-Dinitro-2-methylphenol
Concen: 40.44 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:198 Resp: 208908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 32.0 | 18.9 | 58.9 |
| 105 | 37.6 | 26.4 | 66.4 |

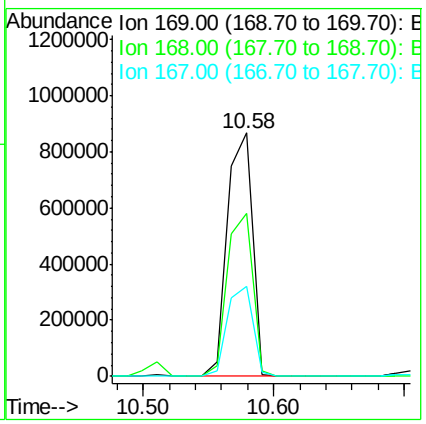





#65
n-Nitrosodiphenylamine
Concen: 42.54 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:169 Resp: 1150170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 55.1 | 82.7 |
| 167 | 37.1 | 30.0 | 45.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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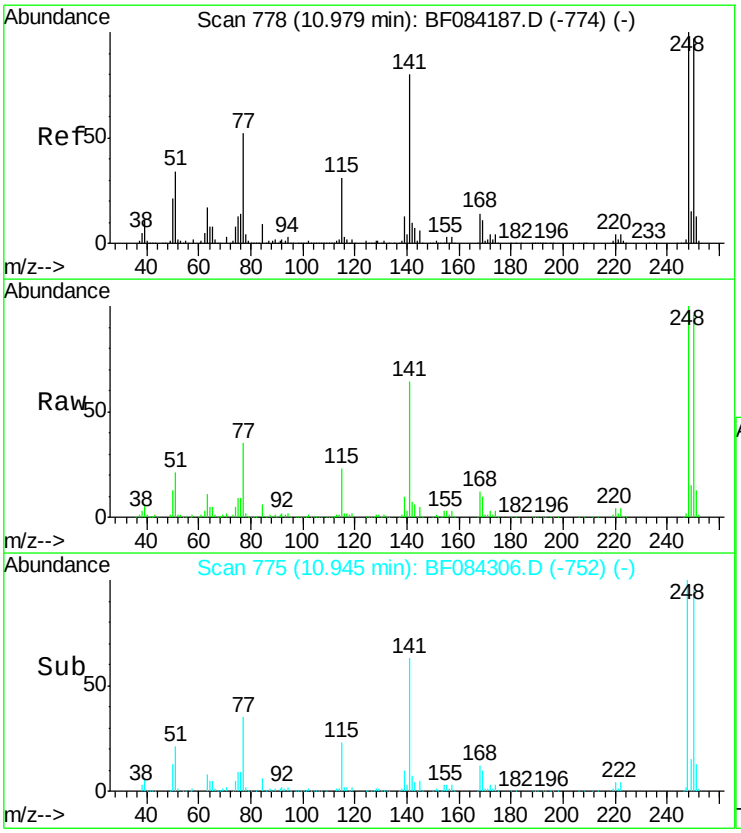
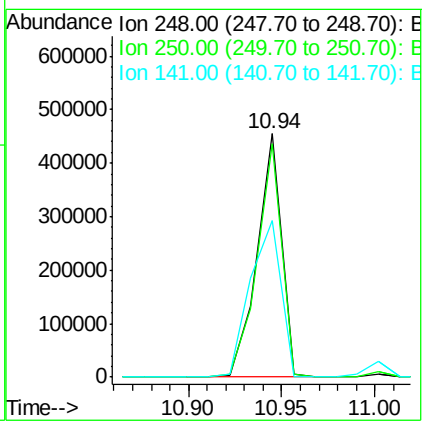
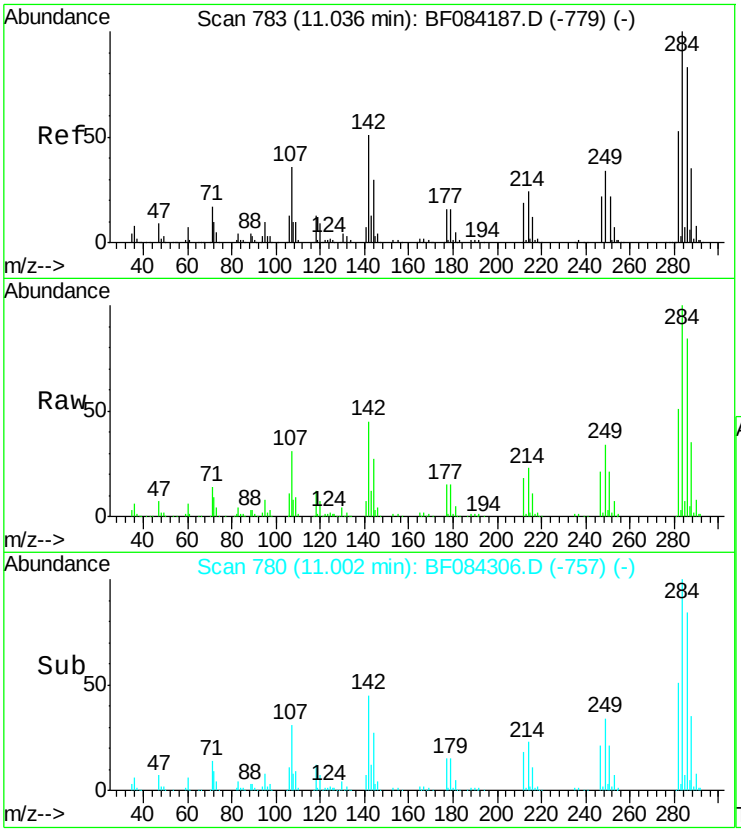



#66
4-Bromophenyl-phenylether
Concen: 45.02 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:248 Resp: 409818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.6 | 78.4 | 117.6 |
| 141 | 64.4 | 44.0 | 66.0 |

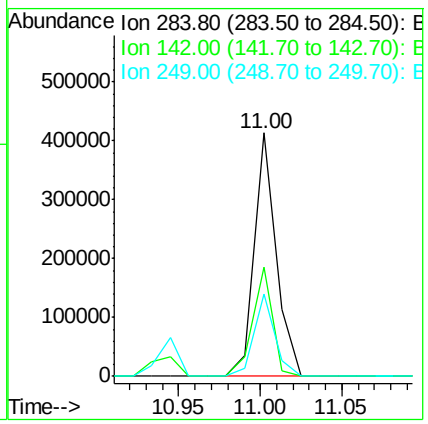





#67
Hexachlorobenzene
Concen: 37.89 ng
RT: 11.00 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:284 Resp: 388198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 45.1 | 22.2 | 33.4# |
| 249 | 33.6 | 24.6 | 37.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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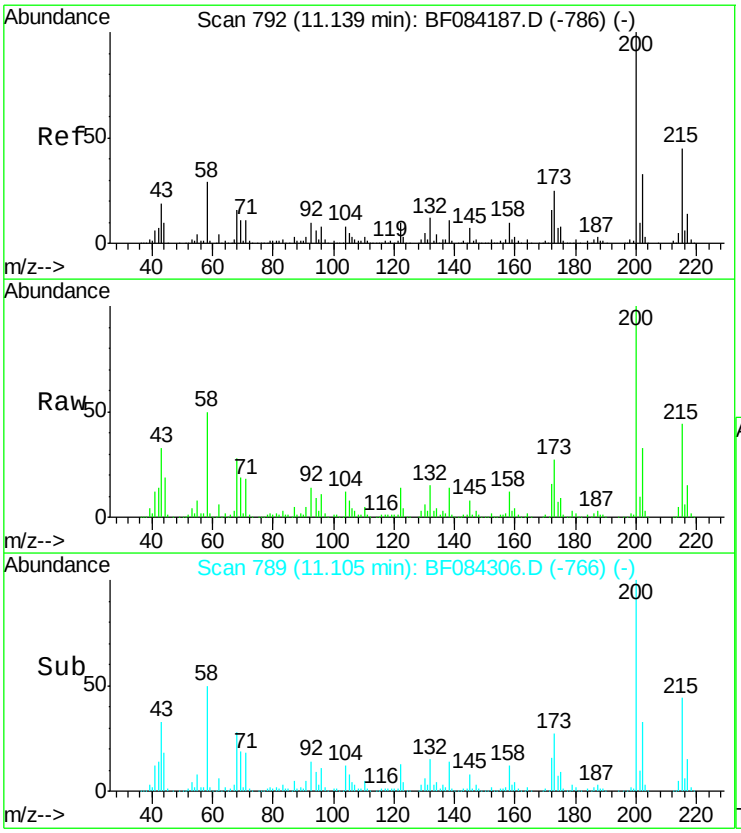
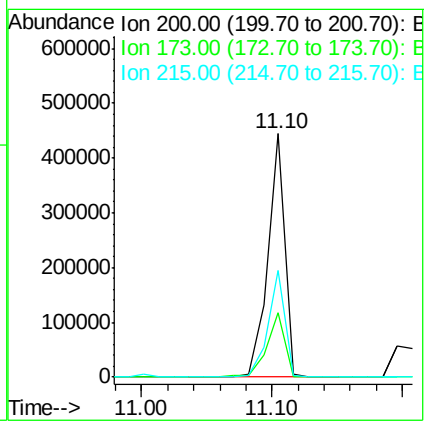
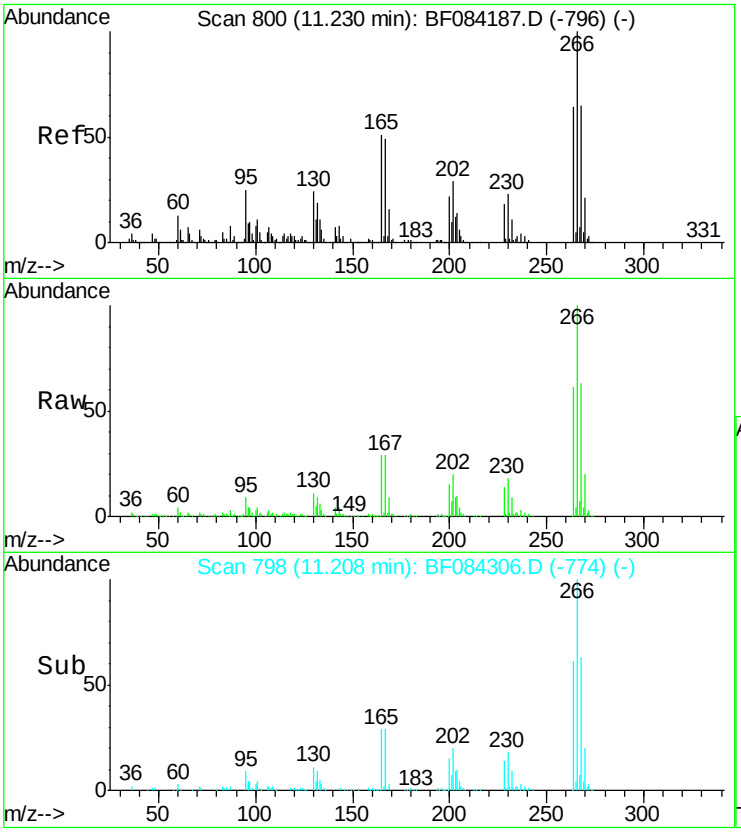



#68
Atrazine
Concen: 45.50 ng
RT: 11.10 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:200 Resp: 402606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 9.5 | 49.5 |
| 215 | 43.9 | 23.8 | 63.8 |

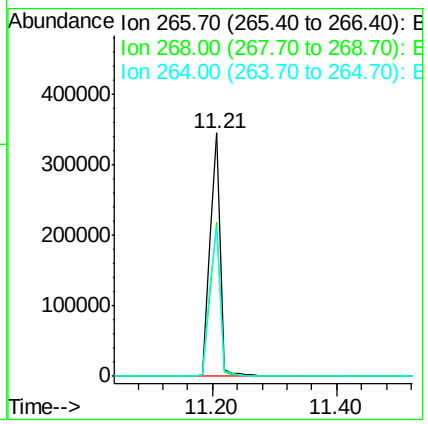





#69
Pentachlorophenol
Concen: 74.93 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:266 Resp: 398042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 52.4 | 78.6 |
| 264 | 61.3 | 50.2 | 75.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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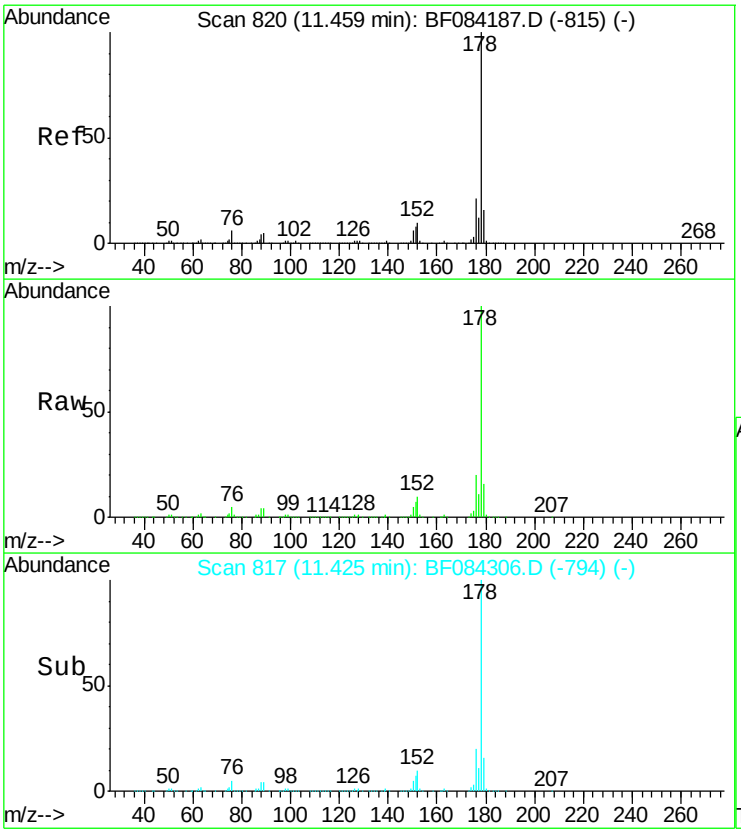
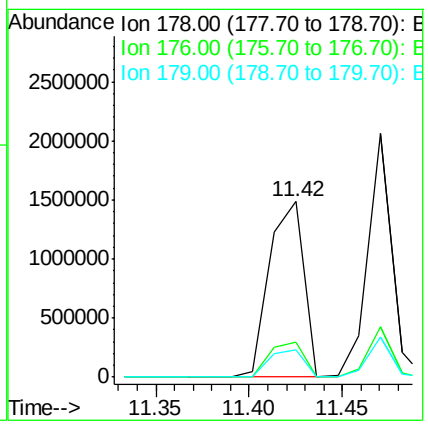
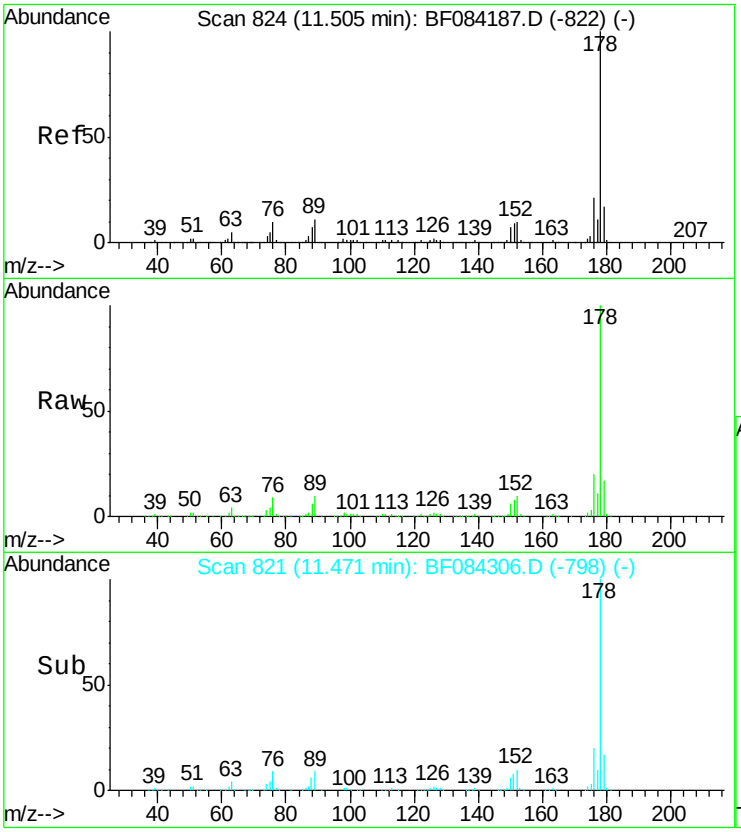



#70
Phenanthrene
Concen: 43.15 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:178 Resp: 1908754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 15.3 | 22.9 |
| 179 | 15.8 | 12.0 | 18.0 |

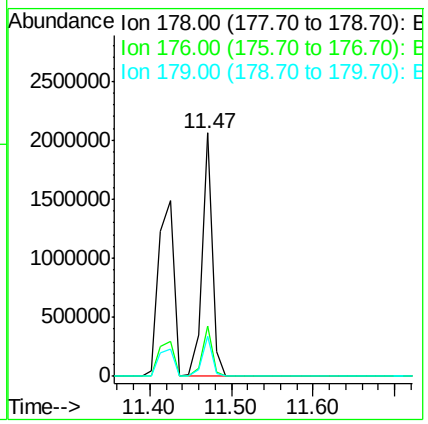





#71
Anthracene
Concen: 41.70 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:178 Resp: 1808203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.4 | 23.0 |
| 179 | 16.6 | 12.5 | 18.7 |




**Instrument :**
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**ClientSampleId :**
PB87680BS

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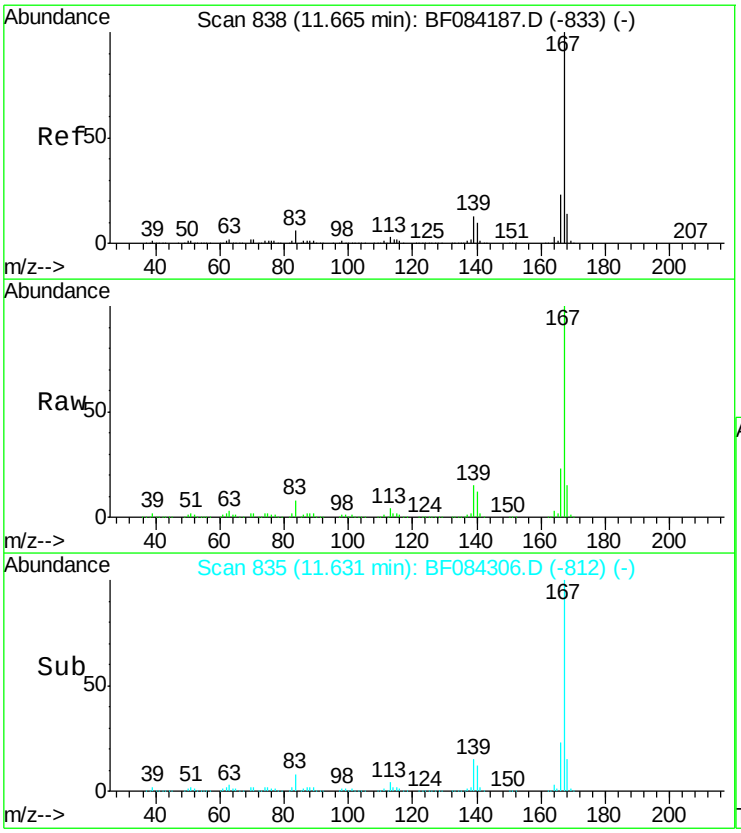
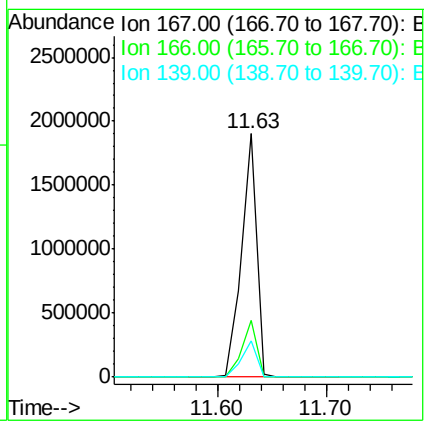
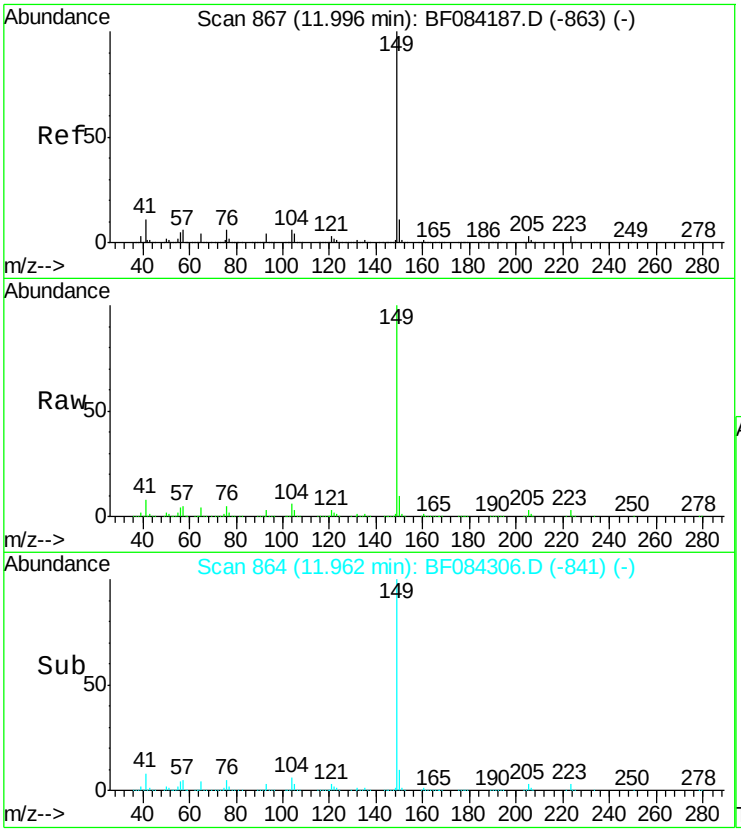



#72
Carbazole
Concen: 42.62 ng
RT: 11.63 min Scan# 835
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:167 Resp: 1807007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.4 | 17.6 | 26.4 |
| 139 | 14.8 | 11.8 | 17.8 |

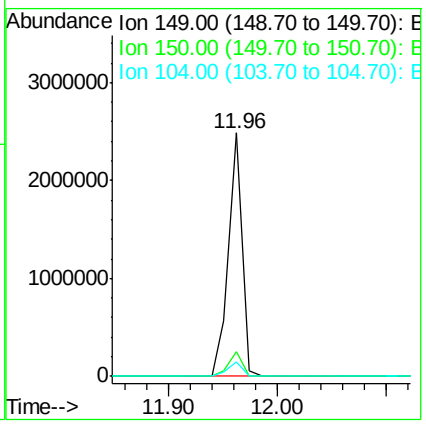





#73
Di-n-butylphthalate
Concen: 48.27 ng
RT: 11.96 min Scan# 864
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:149 Resp: 2135601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.1 | 7.1 | 10.7 |
| 104 | 5.8 | 3.2 | 4.8# |




**Instrument :**
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**ClientSampleId :**
PB87680BS

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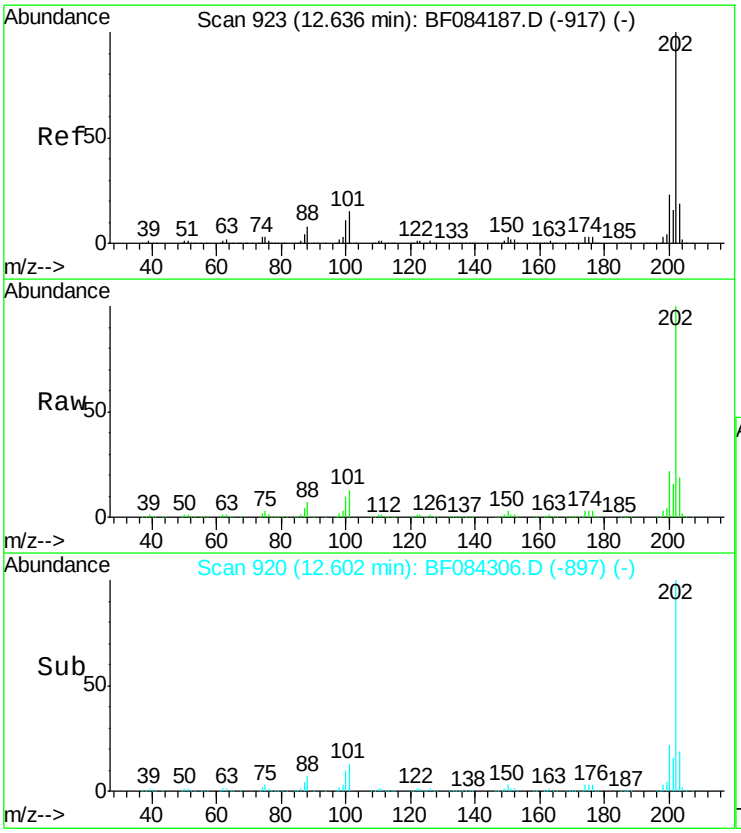
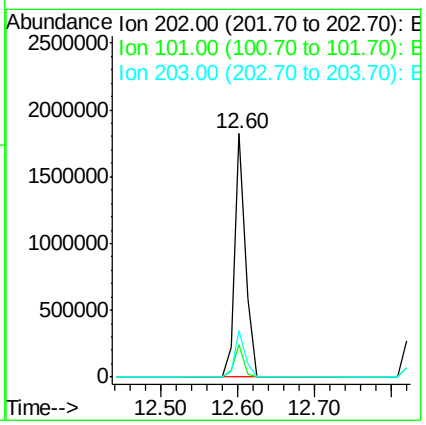
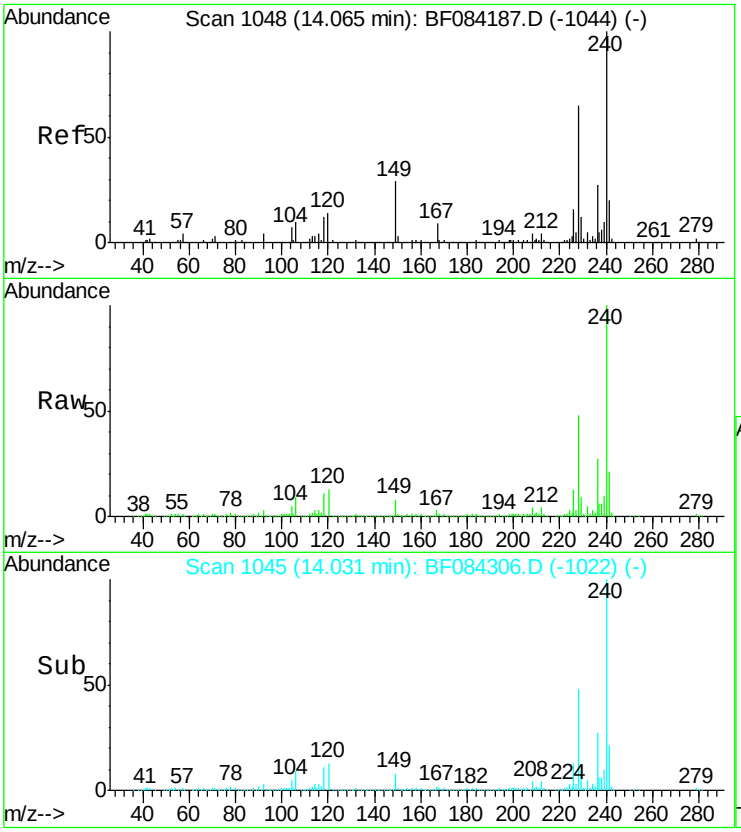



#74
Fluoranthene
Concen: 39.44 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:202 Resp: 1822473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 32.8 |
| 203 | 19.0 | 0.0 | 37.9 |

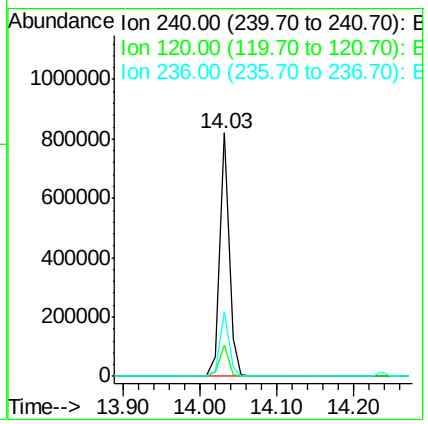





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:240 Resp: 705435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.6 | 9.5 | 14.3 |
| 236 | 26.7 | 20.6 | 31.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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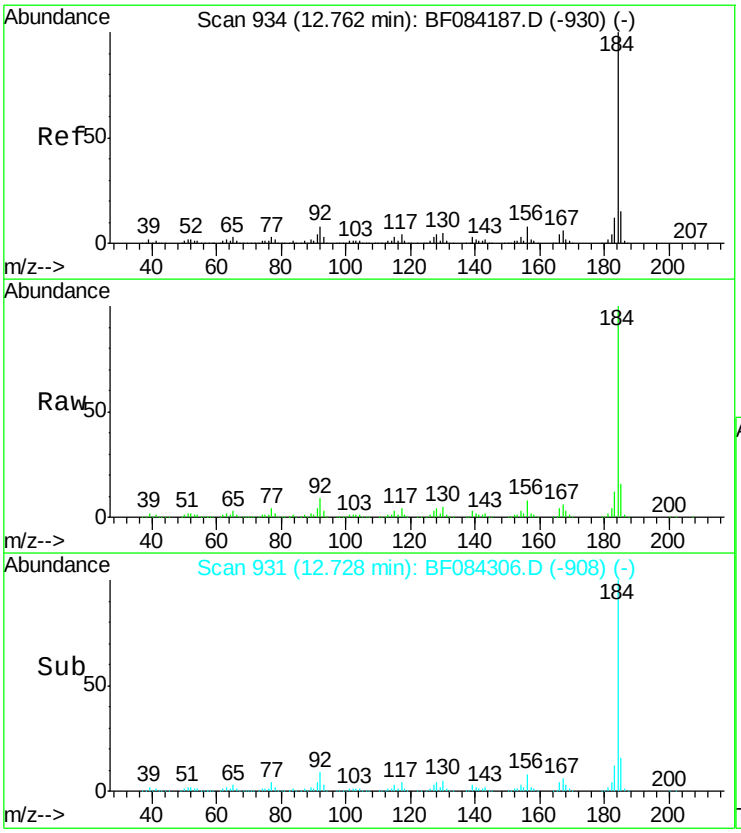
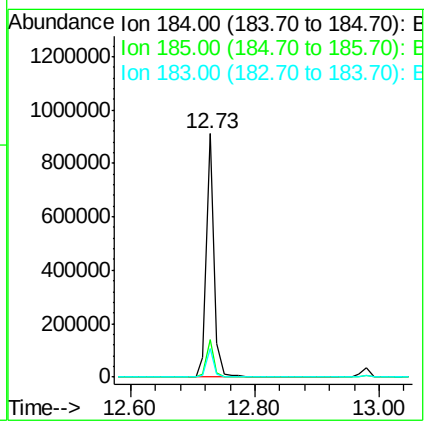
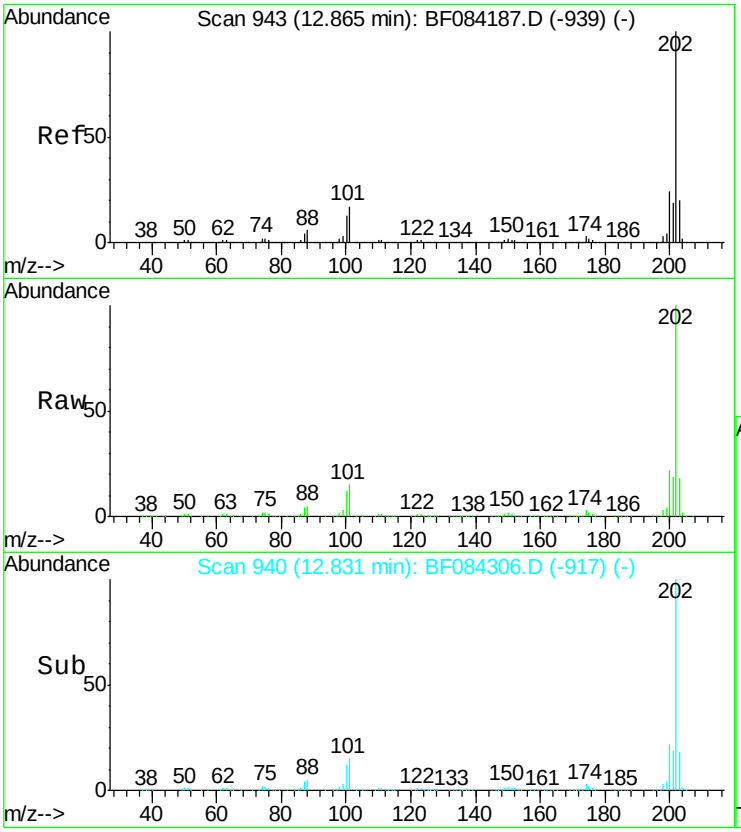



#76
Benzidine
Concen: 31.21 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:184 Resp: 789493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.5 | 12.2 | 18.2 |
| 183 | 11.6 | 9.8 | 14.8 |

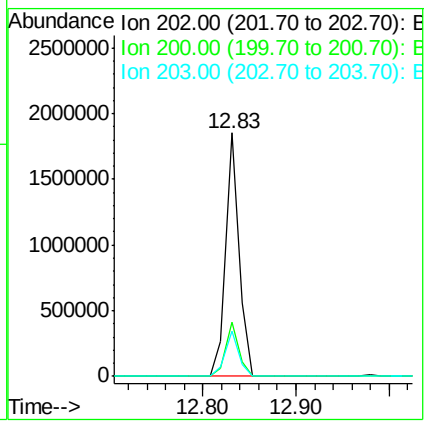





#77
Pyrene
Concen: 33.54 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:202 Resp: 1856479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.2 | 17.2 | 25.8 |
| 203 | 18.5 | 14.3 | 21.5 |




**Instrument :**
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**ClientSampleId :**
PB87680BS

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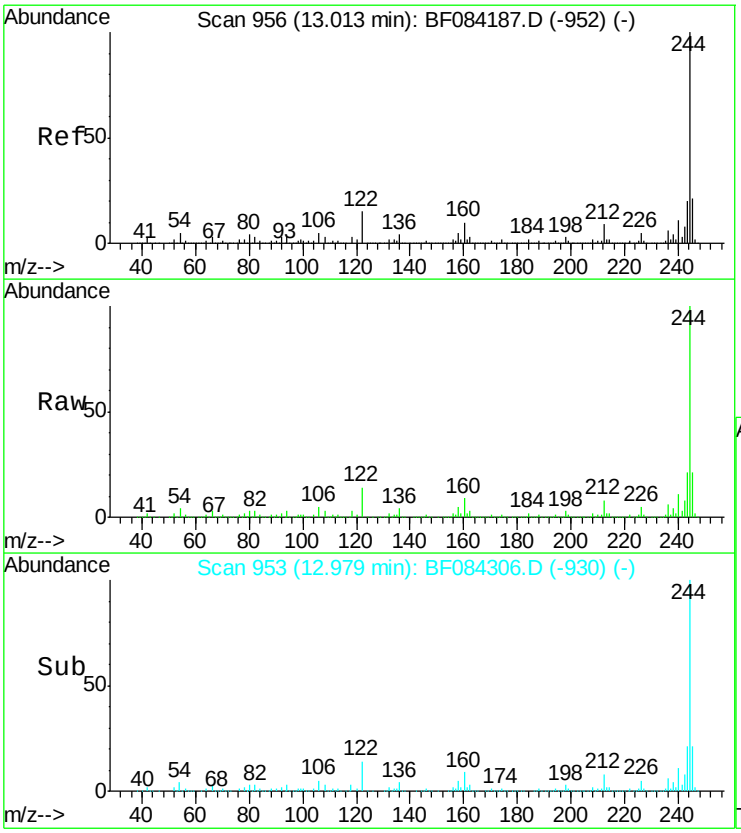
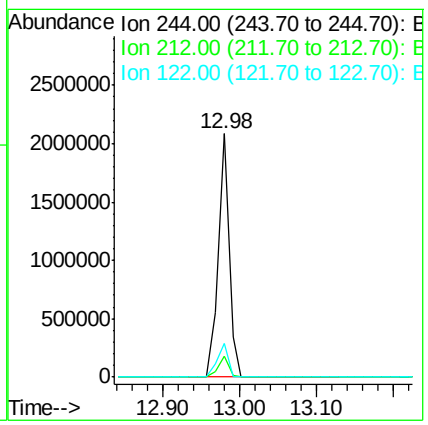
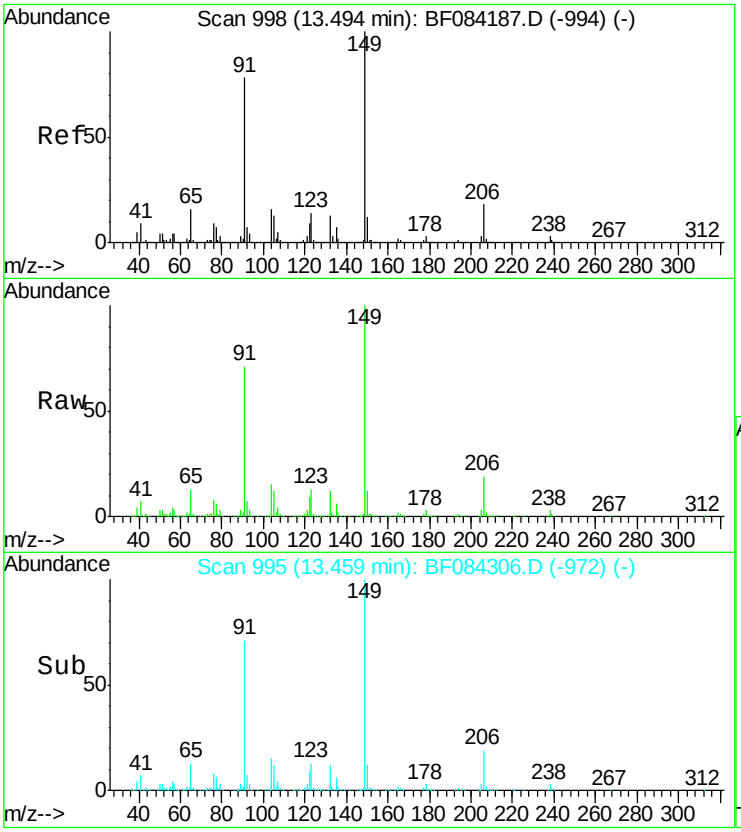



#78
Terphenyl-d14
Concen: 65.18 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:244 Resp: 2059927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 5.7 | 8.5 |
| 122 | 13.9 | 7.4 | 11.0# |

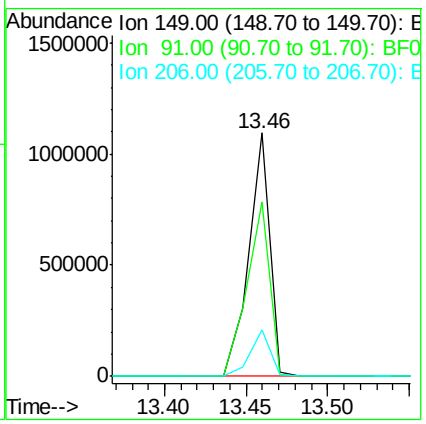





#79
Butylbenzylphthalate
Concen: 40.96 ng
RT: 13.46 min Scan# 995
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:149 Resp: 981231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.4 | 57.6 | 86.4 |
| 206 | 19.1 | 13.2 | 19.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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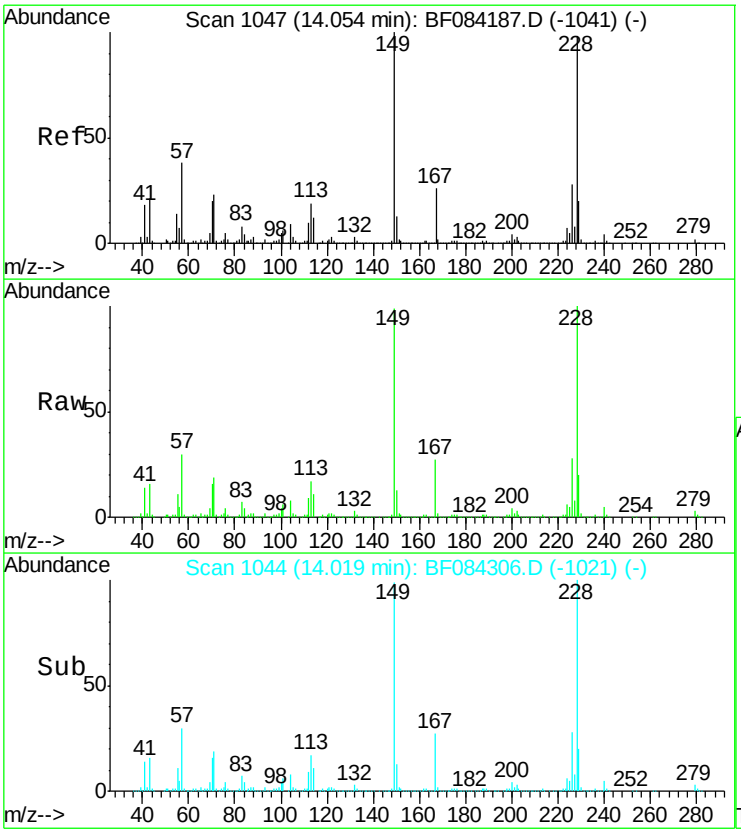
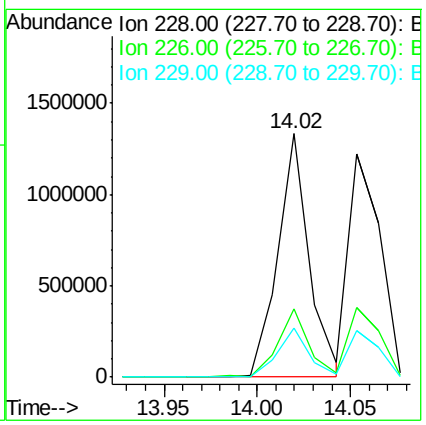
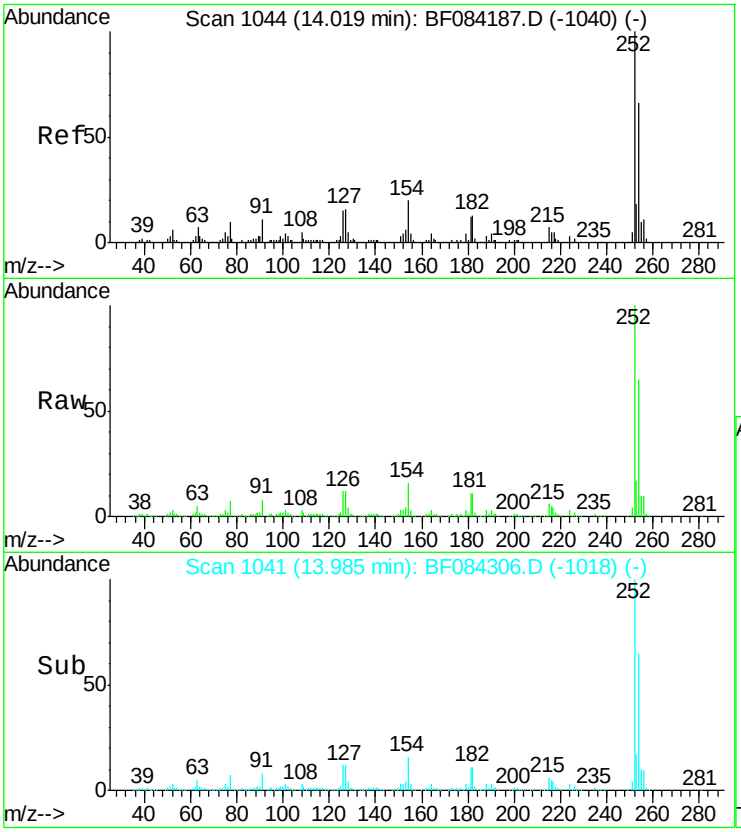



#80
Benzo(a)anthracene
Concen: 37.58 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:228 Resp: 1556672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 21.8 | 32.6 |
| 229 | 20.4 | 15.8 | 23.8 |

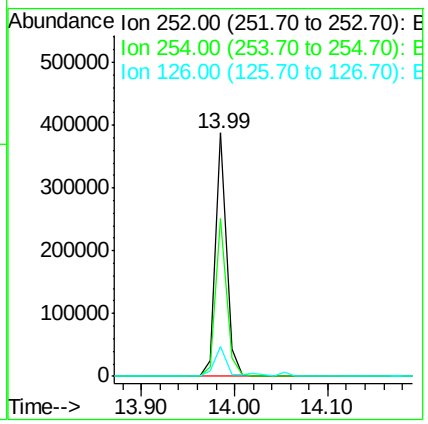





#81
3,3'-Dichlorobenzidine
Concen: 22.01 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:252 Resp: 318159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 53.5 | 80.3 |
| 126 | 12.0 | 4.9 | 7.3# |




**Instrument :**
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**ClientSampleId :**
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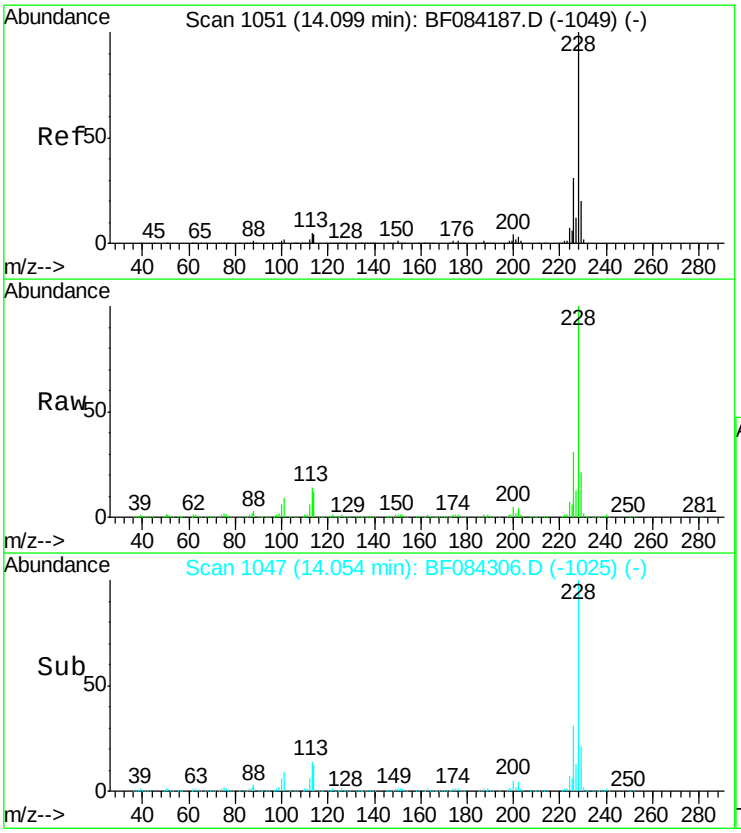
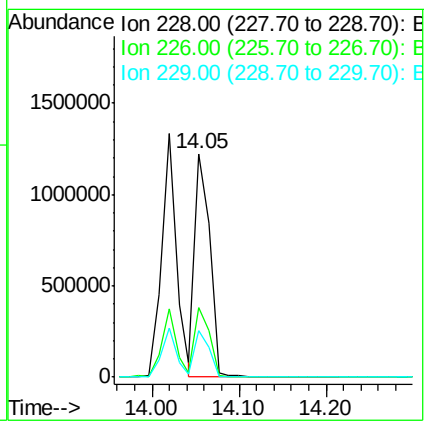
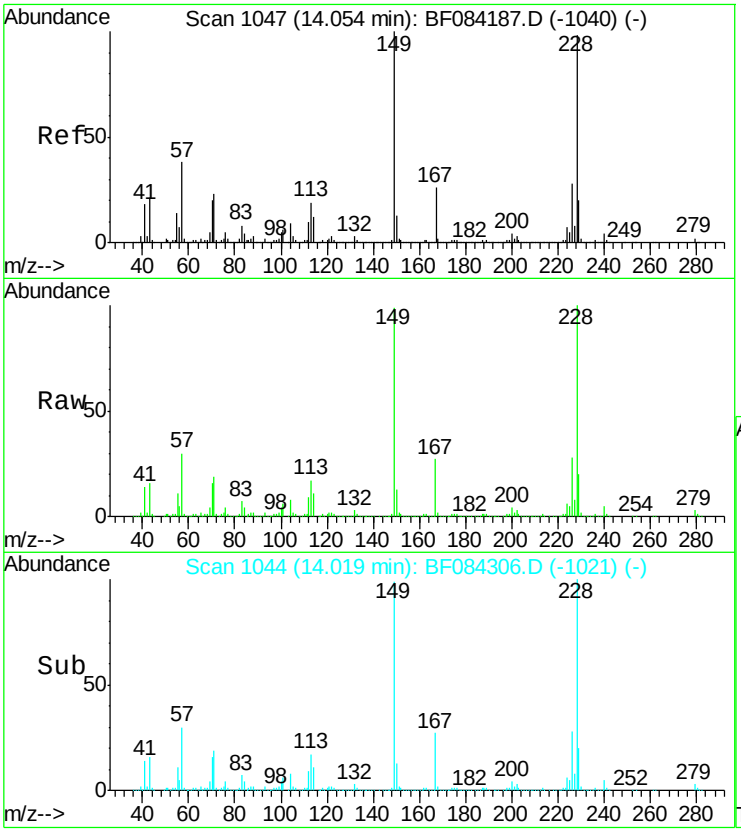



#82
Chrysene
Concen: 36.50 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:228 Resp: 1452623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.3 | 36.5 |
| 229 | 20.9 | 16.1 | 24.1 |

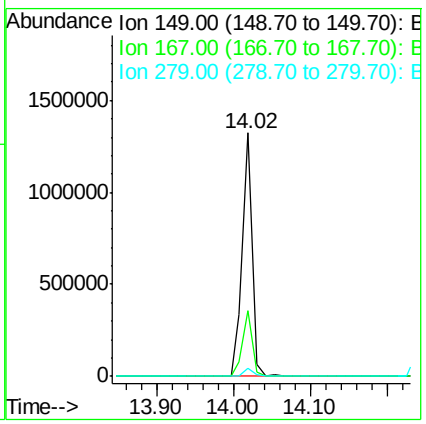





#83
Bis(2-ethylhexyl)phthalate
Concen: 39.42 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:149 Resp: 1193026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 19.7 | 29.5 |
| 279 | 3.1 | 1.8 | 2.6# |

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**ClientSampleId :**
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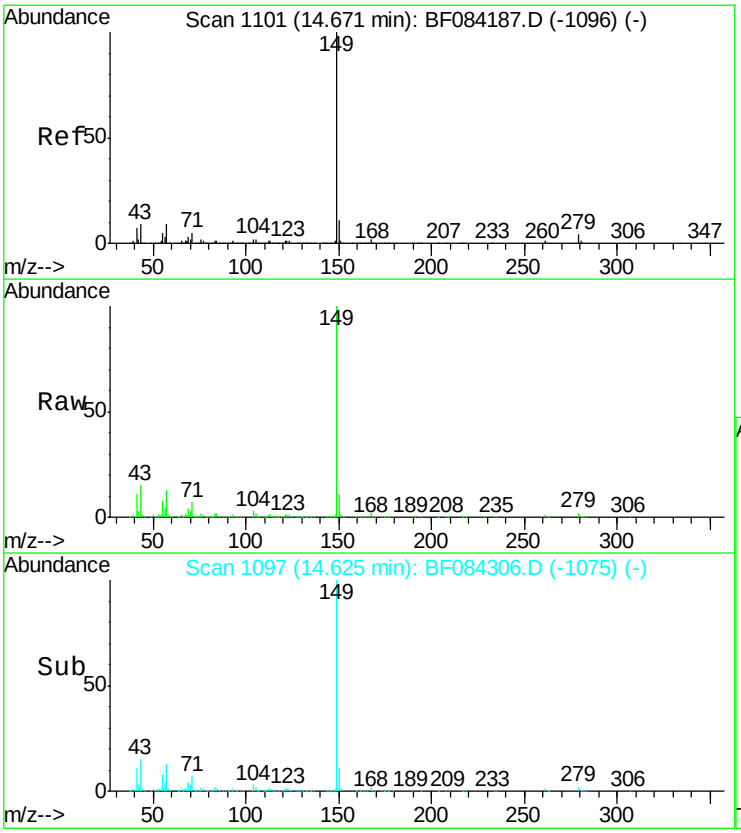
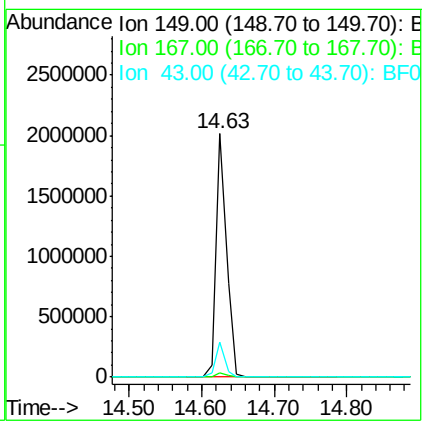
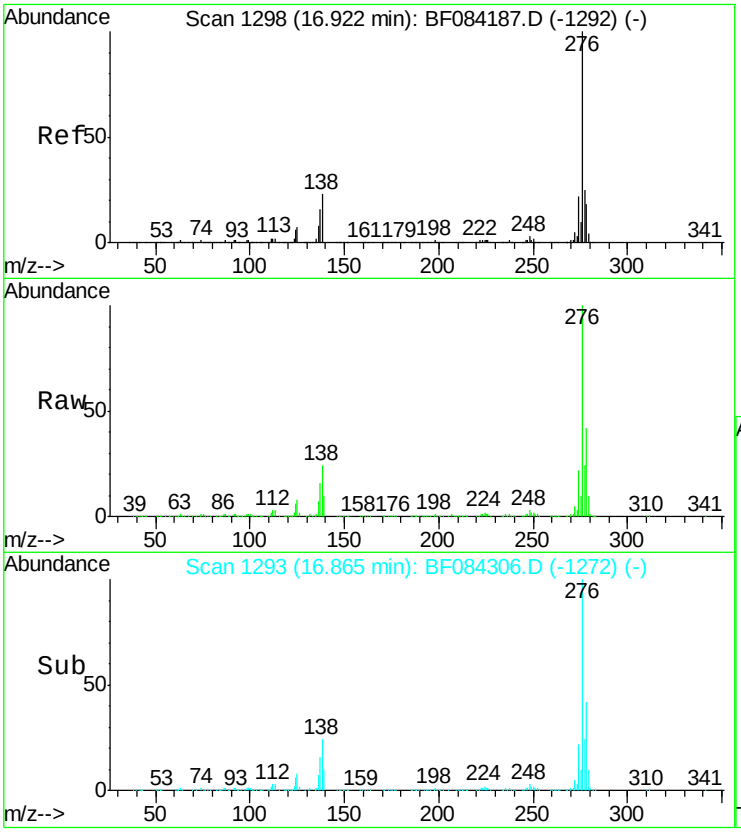



#84
Di-n-octyl phthalate
Concen: 39.36 ng
RT: 14.63 min Scan# 1097
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:149 Resp: 2010800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.2 | 1.8 |
| 43 | 12.8 | 5.6 | 8.4# |

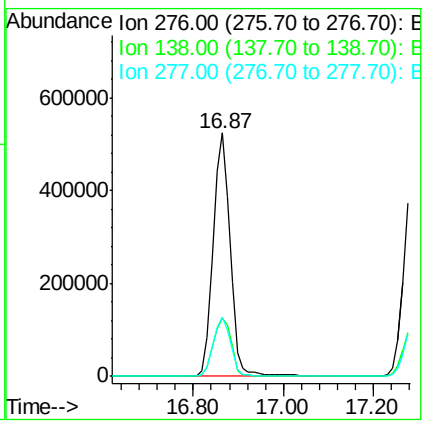





#85
Indeno(1,2,3-cd)pyrene
Concen: 44.10 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.06 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:276 Resp: 1391310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.6 | 20.6 | 30.8 |
| 277 | 24.7 | 20.1 | 30.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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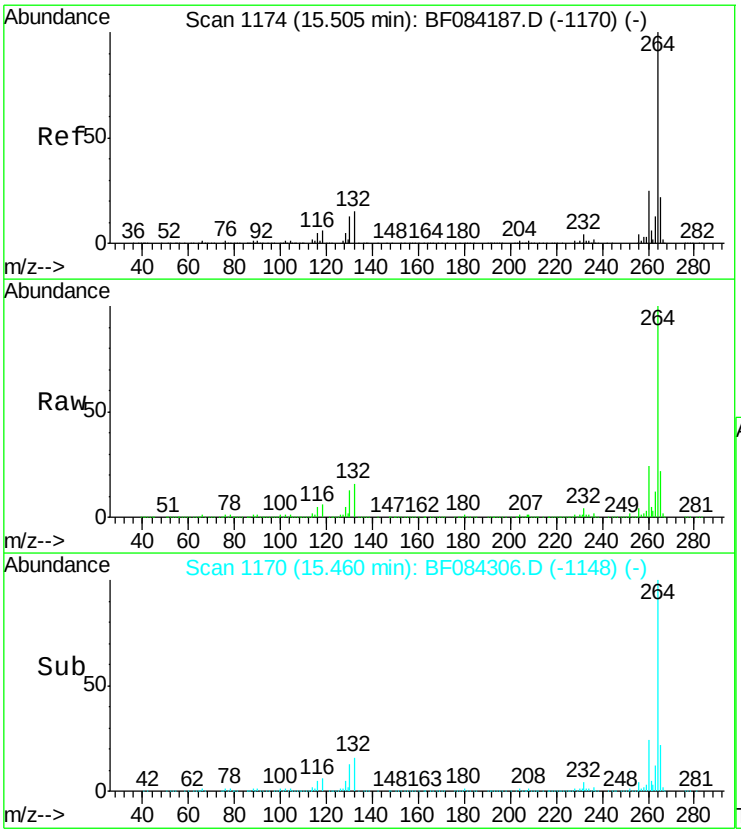
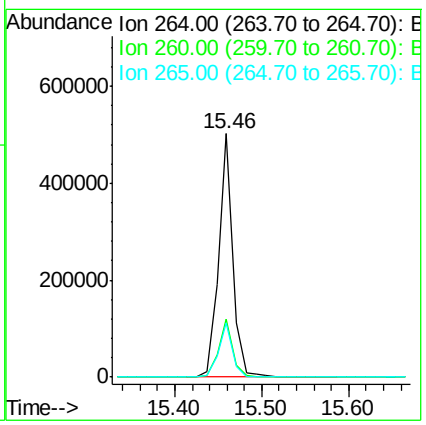
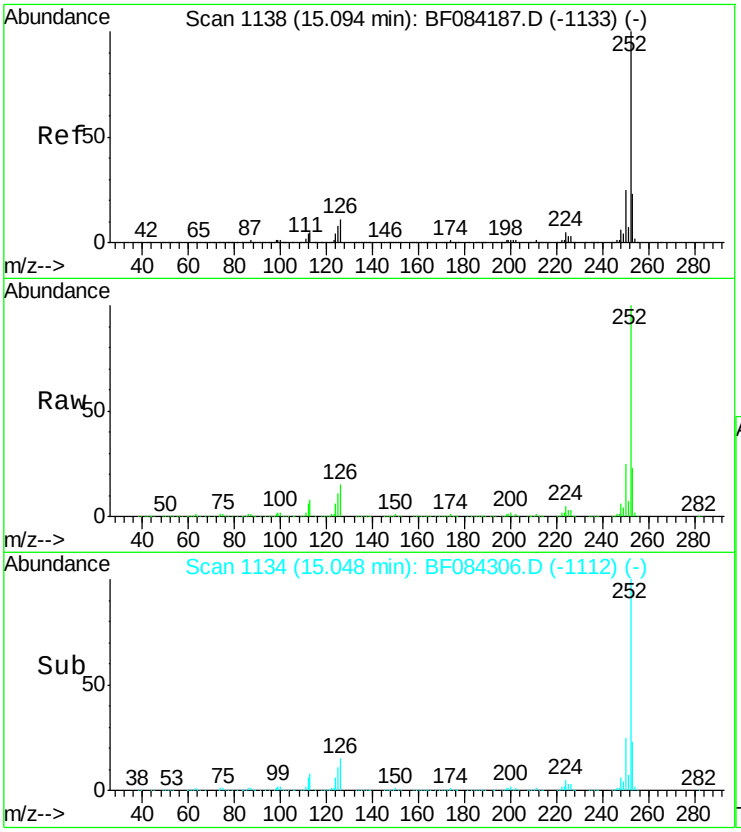



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:264 Resp: 577140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.4 | 29.2 |
| 265 | 22.4 | 17.8 | 26.6 |

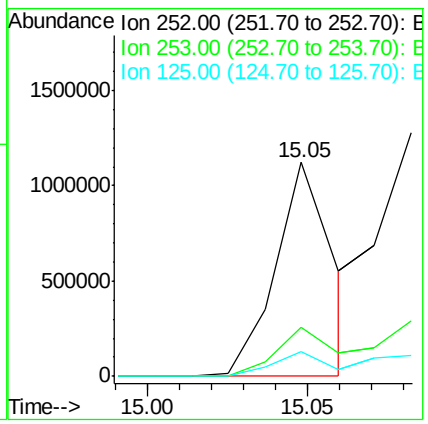





#87
Benzo(b)fluoranthene
Concen: 37.04 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:252 Resp: 1398300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.3 | 25.9 |
| 125 | 11.3 | 6.5 | 9.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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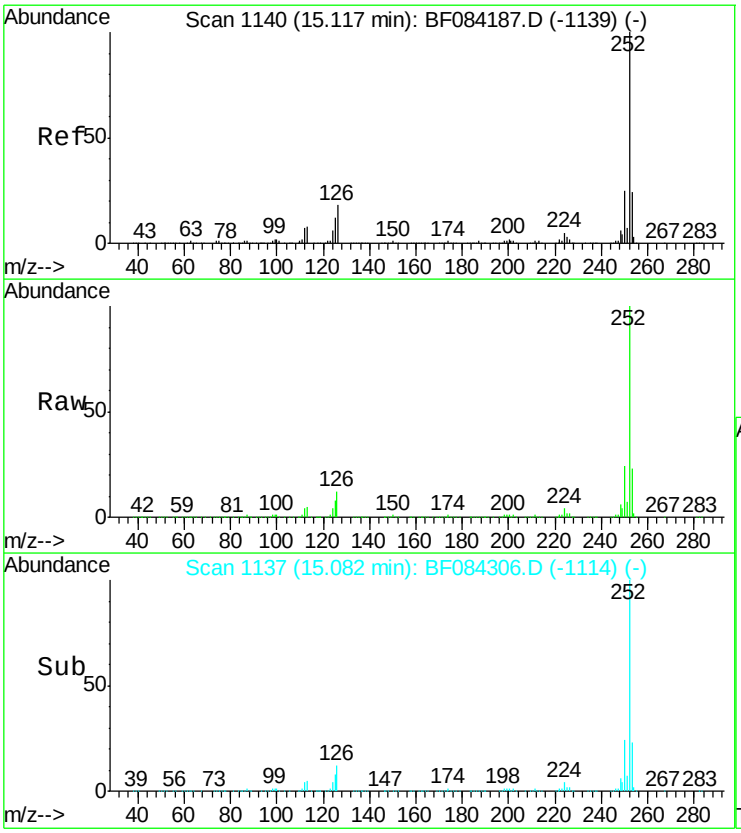
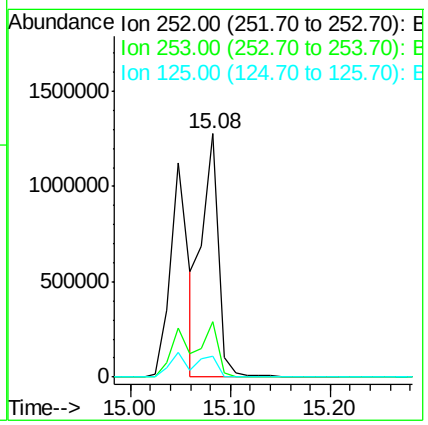
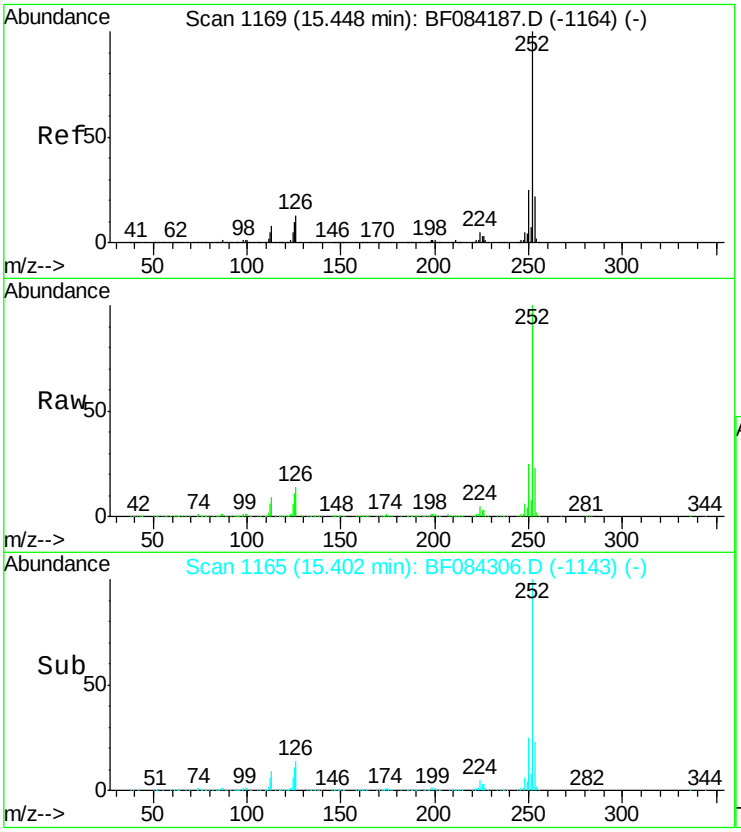



#88
Benzo(k)fluoranthene
Concen: 47.50 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:252 Resp: 1466633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 18.1 | 27.1 |
| 125 | 8.4 | 9.0 | 13.6# |

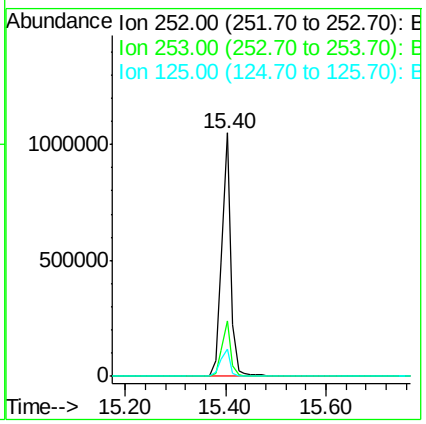





#89
Benzo(a)pyrene
Concen: 40.74 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:252 Resp: 1304744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.3 | 25.9 |
| 125 | 11.2 | 7.0 | 10.4# |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

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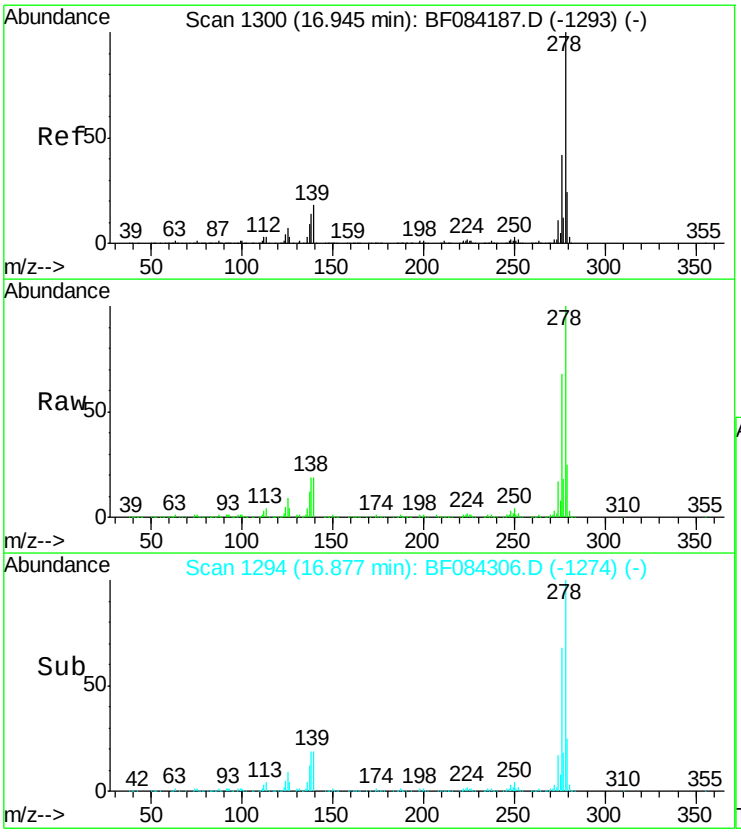
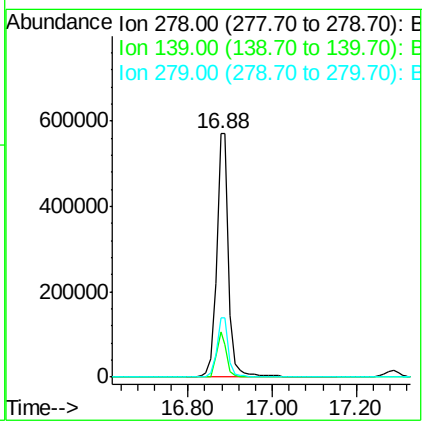
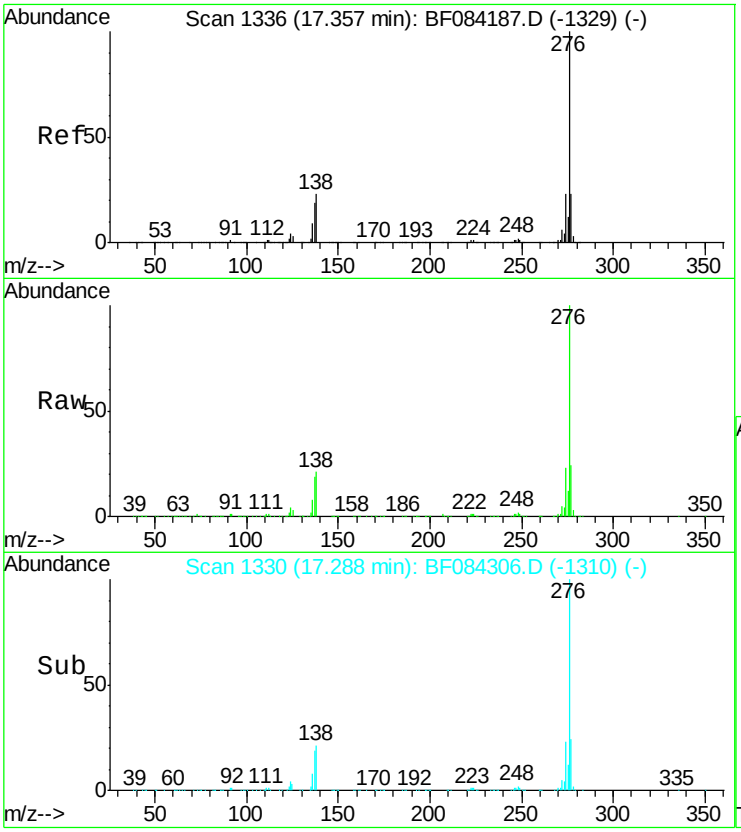



#90
Dibenzo(a,h)anthracene
Concen: 41.54 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.07 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:278 Resp: 1144586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.5 | 15.0 | 22.4 |
| 279 | 24.6 | 18.9 | 28.3 |

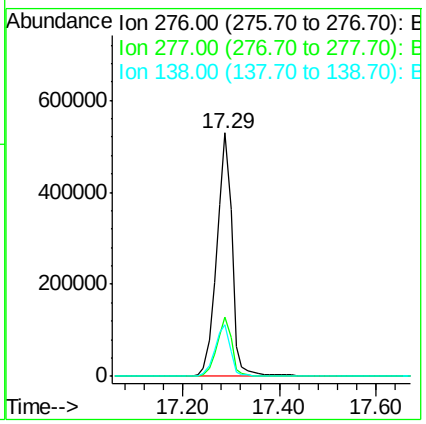





#91
Benzo(g,h,i)perylene
Concen: 40.63 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.07 min
Lab File: BF084306.D
Acq: 7 Jan 2016 15:38

Tgt Ion:276 Resp: 1159494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 18.8 | 28.2 |
| 138 | 21.4 | 17.8 | 26.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB87680BS

**Manual Integrations APPROVED**
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