Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090458.D
Acq On : 7 Oct 2016 21:57
Operator : UM/SJ
Sample : PB93867BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB93867BS

Quant Time: Oct 08 00:02:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.99 | 152 | 237748 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.28 | 136 | 1032599 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.04 | 164 | 525627 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.53 | 188 | 793155 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.18 | 240 | 499025 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.68 | 264 | 388660 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1879676 | 118.00 | ng | | 0.01 |
| 7) Phenol-d6 | 6.63 | 99 | 2505677 | 120.10 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 1768536 | 83.31 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 730369 | 170.88 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.37 | 172 | 2856295 | 90.54 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.13 | 244 | 2350341 | 105.89 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.75 | 88 | 261400 | 33.29 | ng | # | 88 |
| 3) Pyridine | 3.58 | 79 | 729210 | 33.30 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.47 | 42 | 317346 | 35.12 | ng | # | 46 |
| 6) Aniline | 6.73 | 93 | 858648 | 29.79 | ng | # | 55 |
| 8) 2-Chlorophenol | 6.78 | 128 | 777960 | 44.38 | ng | | 90 |
| 9) Benzaldehyde | 6.53 | 77 | 312969 | 29.68 | ng | | 96 |
| 10) Phenol | 6.65 | 94 | 1094260 | 45.11 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.73 | 93 | 858648 | 46.23 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.93 | 146 | 744019 | 42.58 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.01 | 146 | 749903 | 42.25 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 7.16 | 146 | 693114 | 40.53 | ng | | 97 |
| 15) Benzyl Alcohol | 7.14 | 79 | 743653 | 46.89 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.26 | 45 | 1056191 | 33.53 | ng | | 75 |
| 17) 2-Methylphenol | 7.25 | 107 | 648493 | 44.98 | ng | | 99 |
| 18) Hexachloroethane | 7.50 | 117 | 263184 | 37.61 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 639364 | 41.79 | ng | # | 79 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 763662 | 40.92 | ng | # | 68 |
| 22) Acetophenone | 7.40 | 105 | 1011508 | 41.36 | ng | | 95 |
| 24) Nitrobenzene | 7.57 | 77 | 778964 | 36.96 | ng | | 98 |
| 25) Isophorone | 7.81 | 82 | 1494212 | 38.50 | ng | | 97 |
| 26) 2-Nitrophenol | 7.89 | 139 | 397498 | 43.82 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 767549 | 43.51 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.03 | 93 | 972839 | 42.38 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 615826 | 45.92 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 642758 | 46.50 | ng | | 96 |
| 31) Naphthalene | 8.30 | 128 | 2136392 | 42.88 | ng | | 99 |
| 32) Benzoic acid | 8.06 | 122 | 503986 | 41.10 | ng | | 97 |
| 33) 4-Chloroaniline | 8.38 | 127 | 156199 | 7.59 | ng | # | 87 |
| 34) Hexachlorobutadiene | 8.42 | 225 | 311430 | 40.33 | ng | | 99 |
| 35) Caprolactam | 8.73 | 113 | 176188 | 39.07 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 8.84 | 107 | 684710 | 40.77 | ng | | 98 |
| 37) 2-Methylnaphthalene | 9.09 | 142 | 1207424 | 40.04 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.16 | 216 | 578268 | 41.73 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 9.15 | 237 | 337752 | 44.46 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090458.D
Acq On : 7 Oct 2016 21:57
Operator : UM/SJ
Sample : PB93867BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB93867BS

Quant Time: Oct 08 00:02:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.27 | 196 | 422260 | 44.16 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 423931 | 46.88 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.46 | 154 | 1510647 | 38.79 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.49 | 162 | 1330641 | 46.24 | ng | | 92 |
| 47) 2-Nitroaniline | 9.58 | 65 | 518026 | 45.62 | ng | | 95 |
| 48) Acenaphthylene | 9.90 | 152 | 1864943 | 39.28 | ng | | 100 |
| 49) Dimethylphthalate | 9.77 | 163 | 1614746 | 47.97 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 354730 | 47.46 | ng | # | 83 |
| 51) Acenaphthene | 10.07 | 154 | 1266849 | 42.79 | ng | | 97 |
| 52) 3-Nitroaniline | 9.98 | 138 | 126350 | 14.47 | ng | | 82 |
| 53) 2,4-Dinitrophenol | 10.10 | 184 | 263308 | 79.02 | ng | | 95 |
| 54) Dibenzofuran | 10.25 | 168 | 1612143 | 42.07 | ng | | 93 |
| 55) 4-Nitrophenol | 10.17 | 139 | 674287 | 88.27 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 407817 | 41.00 | ng | # | 29 |
| 57) Fluorene | 10.59 | 166 | 1275174 | 39.59 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 359889 | 53.29 | ng | | 92 |
| 59) Diethylphthalate | 10.46 | 149 | 1449859 | 41.63 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 10.59 | 204 | 649571 | 44.36 | ng | # | 78 |
| 61) 4-Nitroaniline | 10.61 | 138 | 292774 | 33.28 | ng | | 88 |
| 62) Azobenzene | 10.74 | 77 | 1672072 | 41.56 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198 | 173600 | 34.19 | ng | # | 65 |
| 65) n-Nitrosodiphenylamine | 10.70 | 169 | 1216309 | 45.76 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 374603 | 48.18 | ng | # | 78 |
| 67) Hexachlorobenzene | 11.14 | 284 | 400355 | 46.24 | ng | # | 73 |
| 68) Atrazine | 11.23 | 200 | 293803 | 44.83 | ng | | 98 |
| 69) Pentachlorophenol | 11.34 | 266 | 491378 | 95.34 | ng | | 97 |
| 70) Phenanthrene | 11.56 | 178 | 2010402 | 49.50 | ng | | 98 |
| 71) Anthracene | 11.61 | 178 | 1731774 | 41.75 | ng | | 99 |
| 72) Carbazole | 11.77 | 167 | 1673780 | 43.44 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.10 | 149 | 2209612 | 47.12 | ng | # | 96 |
| 74) Fluoranthene | 12.75 | 202 | 1653739 | 41.51 | ng | | 95 |
| 76) Benzidine | 12.86 | 184 | 208546 | 15.89 | ng | | 99 |
| 77) Pyrene | 12.98 | 202 | 1583507 | 47.59 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.60 | 149 | 783379 | 45.88 | ng | # | 85 |
| 80) Benzo(a)anthracene | 14.17 | 228 | 1251457 | 44.70 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.13 | 252 | 233671 | 23.02 | ng | # | 98 |
| 82) Chrysene | 14.20 | 228 | 1067630 | 41.43 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.16 | 149 | 1038611 | 42.80 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.77 | 149 | 1543497 | 42.90 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 17.18 | 276 | 971861 | 52.90 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 15.24 | 252 | 1147966 | 46.37 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 15.24 | 252 | 1147966 | 49.36 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.62 | 252 | 1016076 | 47.62 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.21 | 278 | 842197 | 46.39 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.64 | 276 | 752898 | 43.22 | ng | | 95 |

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

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Acq On : 7 Oct 2016 21:57
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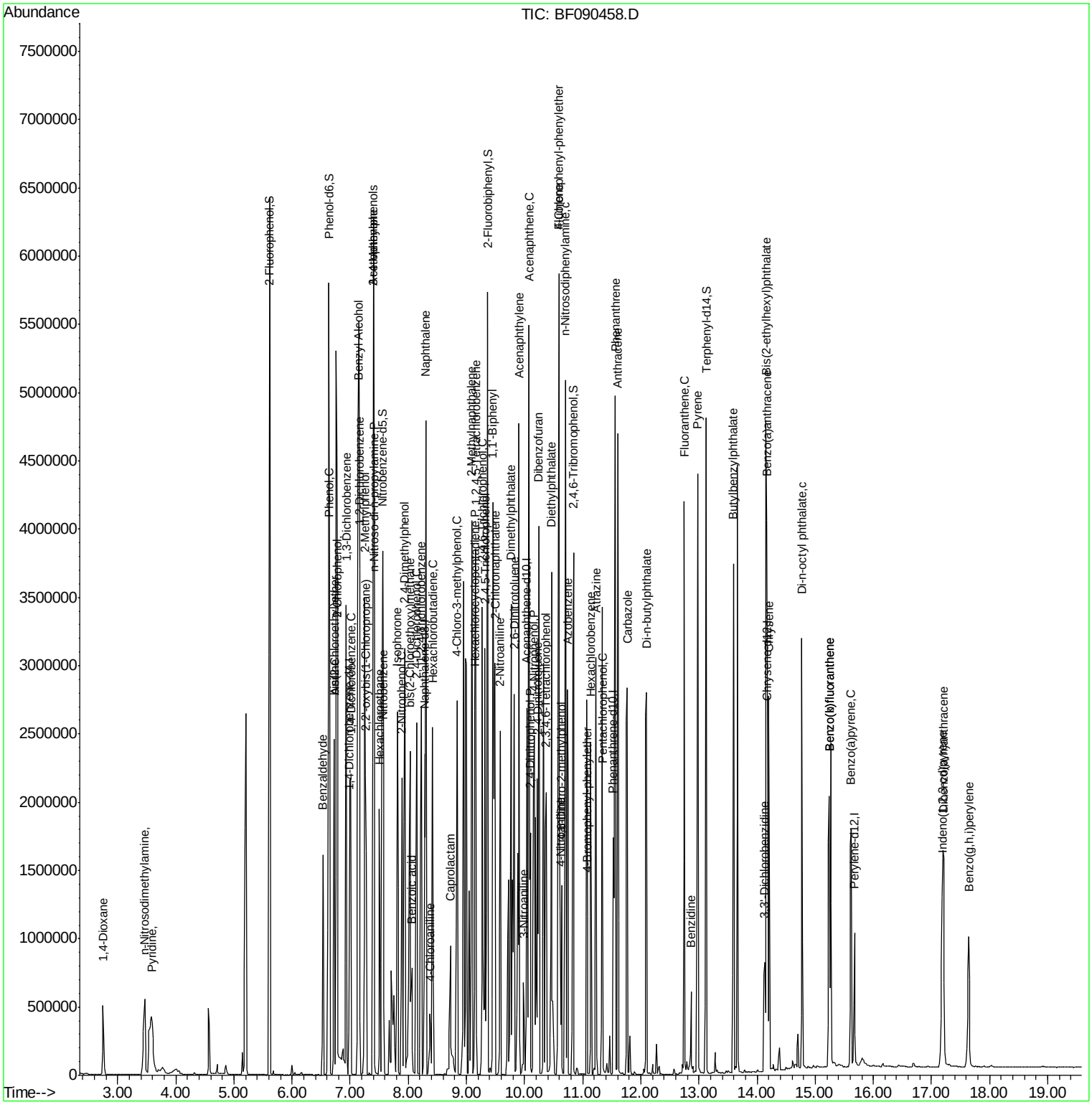
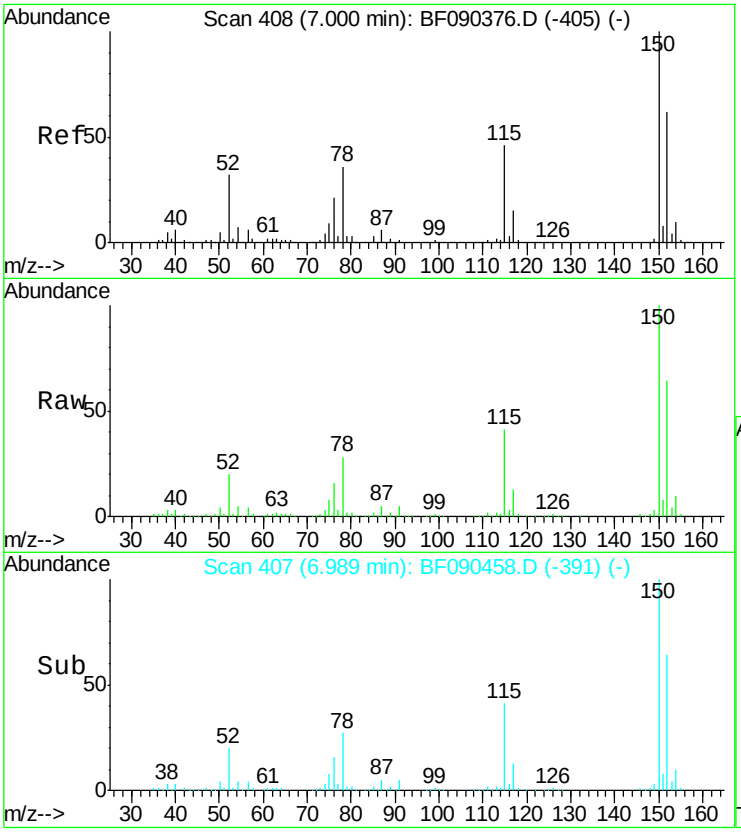
Sample : PB93867BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Quant Time: Oct 08 00:02:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration



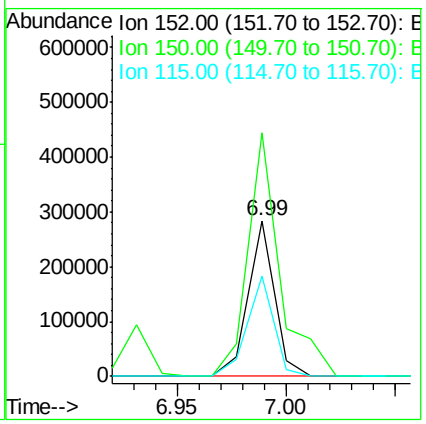


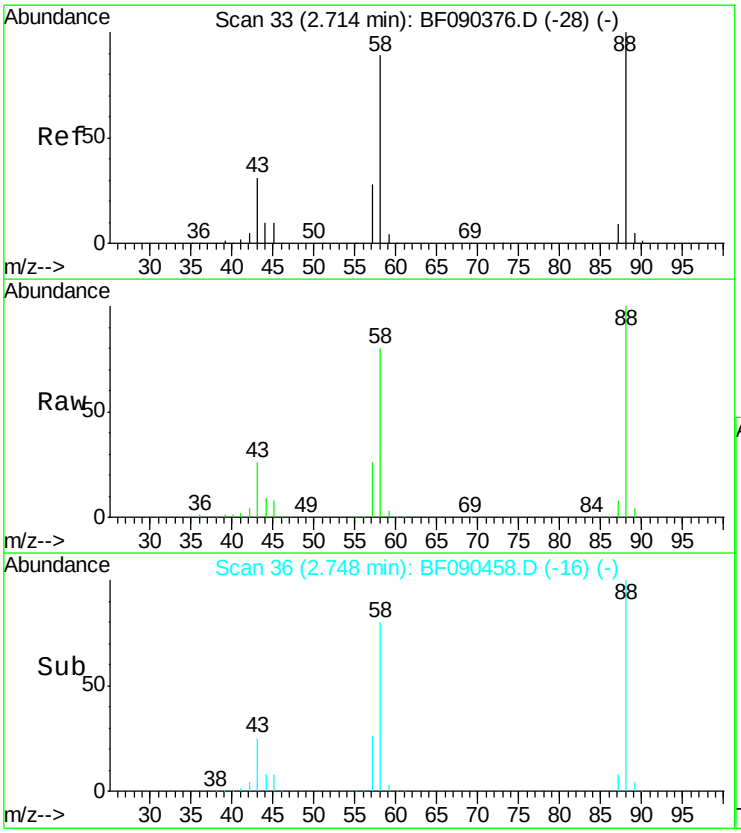

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.99 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:152 Resp: 237748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.7 | 124.6 | 186.8 |
| 115 | 64.7 | 46.2 | 69.4 |

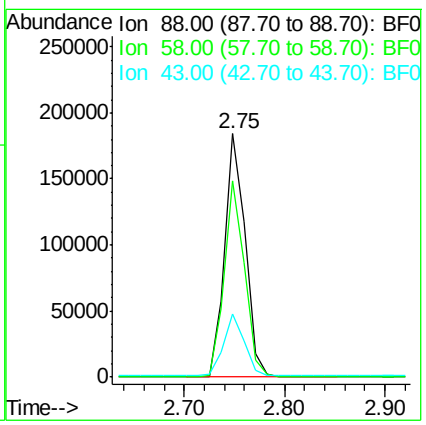


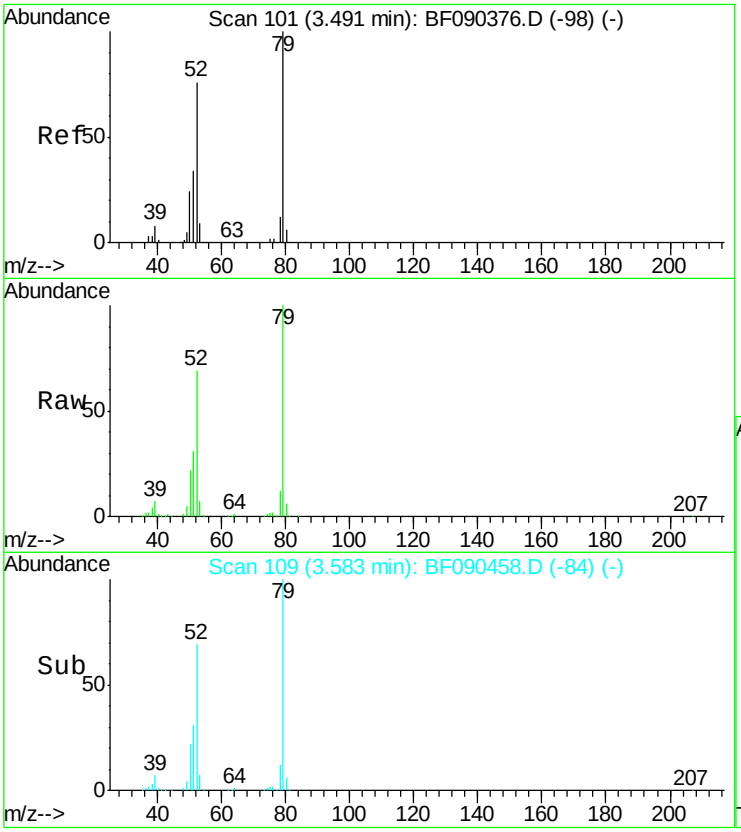




#2
1,4-Dioxane
Concen: 33.29 ng
RT: 2.75 min Scan# 36
Delta R.T. 0.03 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 88 Resp: 261400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 80.6 | 71.2 | 106.8 |
| 43 | 25.9 | 29.8 | 44.6# |



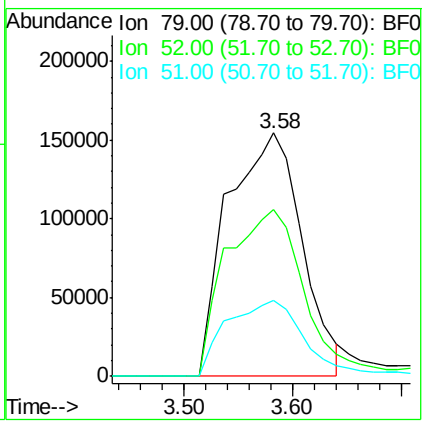


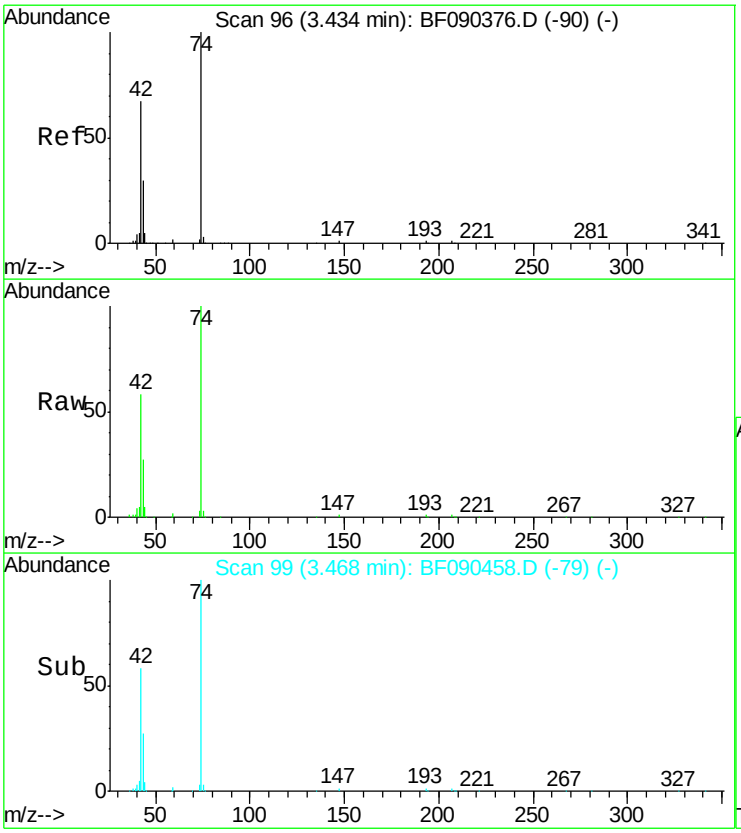

#3
Pyridine
Concen: 33.30 ng
RT: 3.58 min Scan# 109
Delta R.T. 0.09 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 79 Resp: 729210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 68.7 | 71.3 | 106.9# |
| 51 | 31.3 | 34.5 | 51.7# |

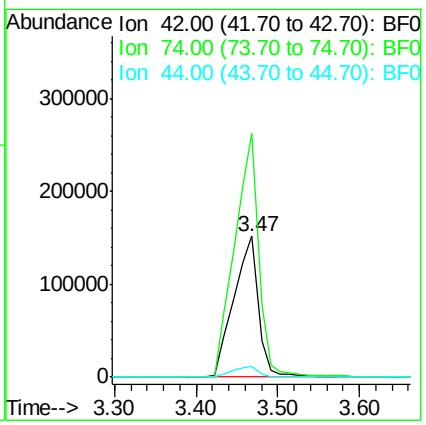


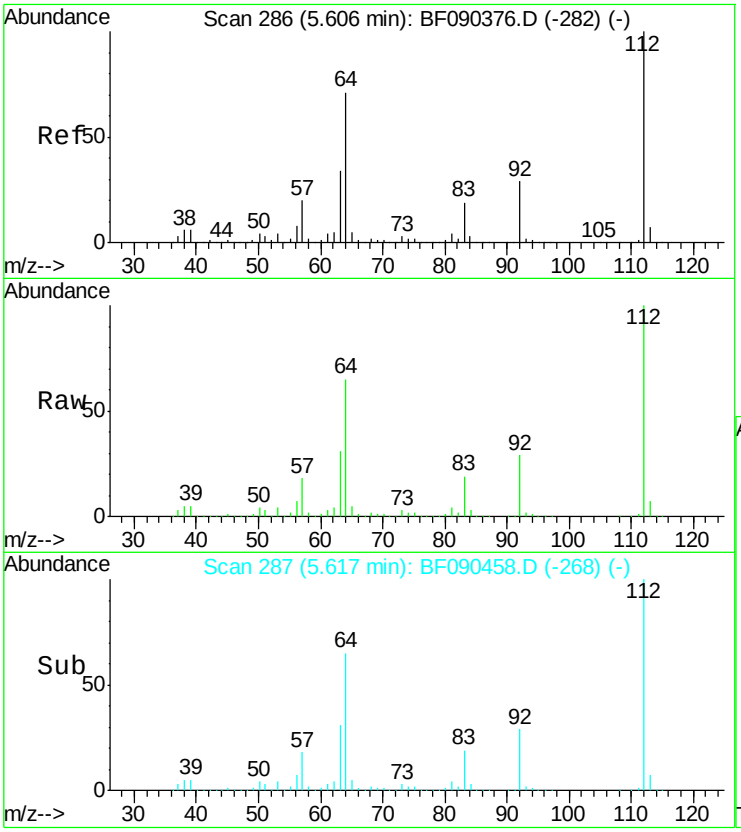




#4
n-Nitrosodimethylamine
Concen: 35.12 ng
RT: 3.47 min Scan# 99
Delta R.T. 0.03 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 42 Resp: 317346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 172.7 | 88.9 | 133.3# |
| 44 | 7.9 | 6.5 | 9.7 |



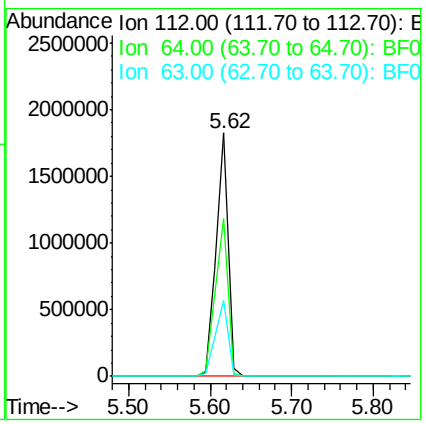


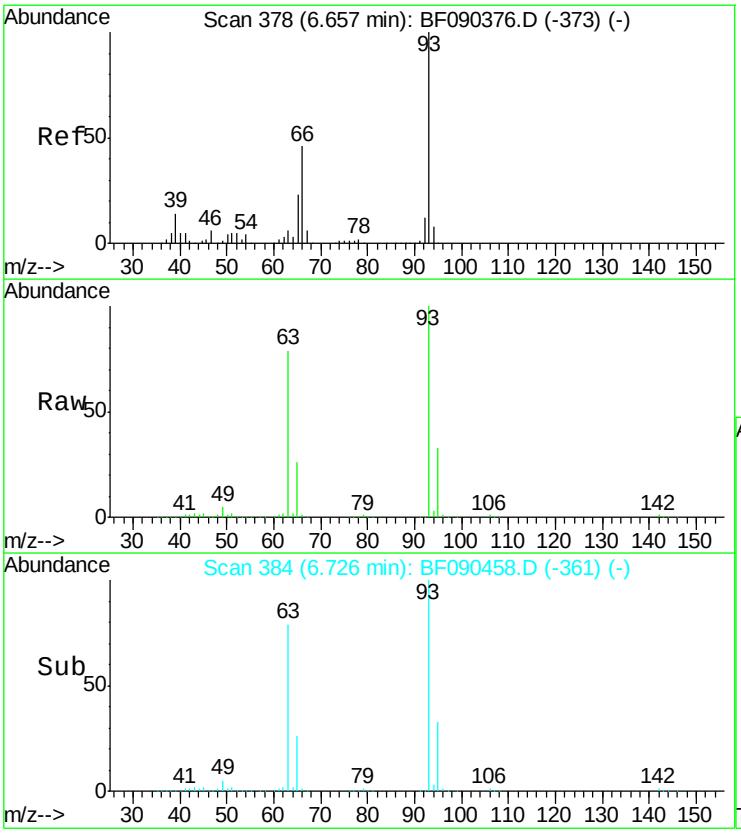

#5
2-Fluorophenol
Concen: 118.00 ng
RT: 5.62 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:112 Resp: 1879676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.7 | 57.9 | 86.9 |
| 63 | 31.2 | 29.6 | 44.4 |

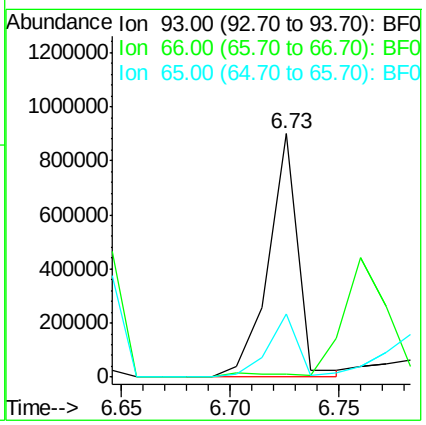


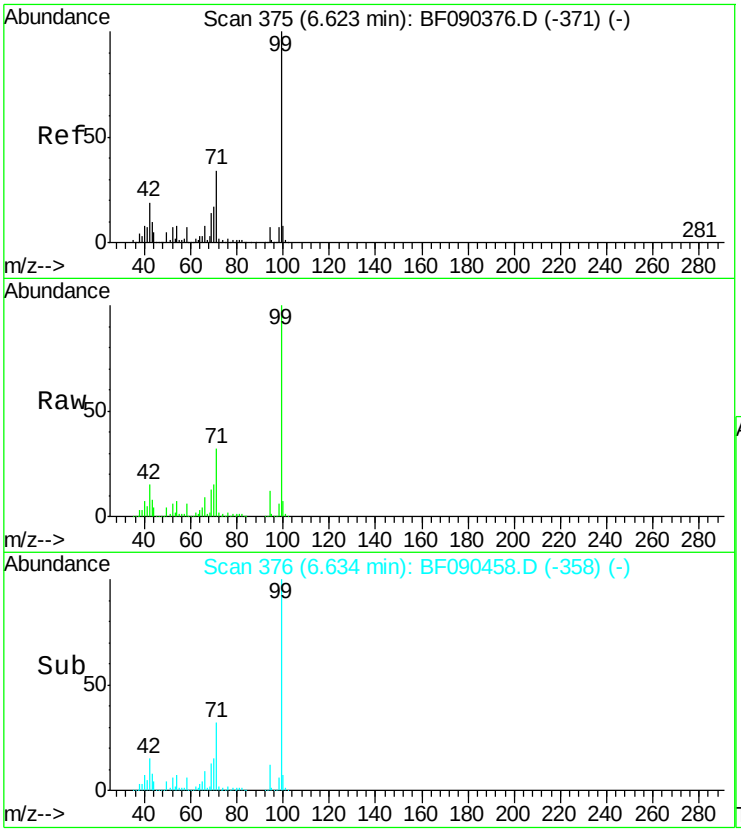




#6
Aniline
Concen: 29.79 ng
RT: 6.73 min Scan# 384
Delta R.T. 0.07 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 93 Resp: 858648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 1.0 | 34.5 | 51.7# |
| 65 | 25.8 | 18.2 | 27.2 |



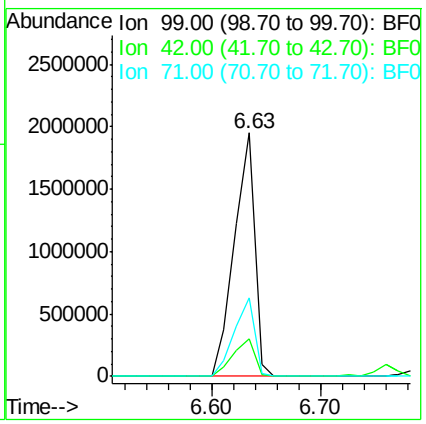


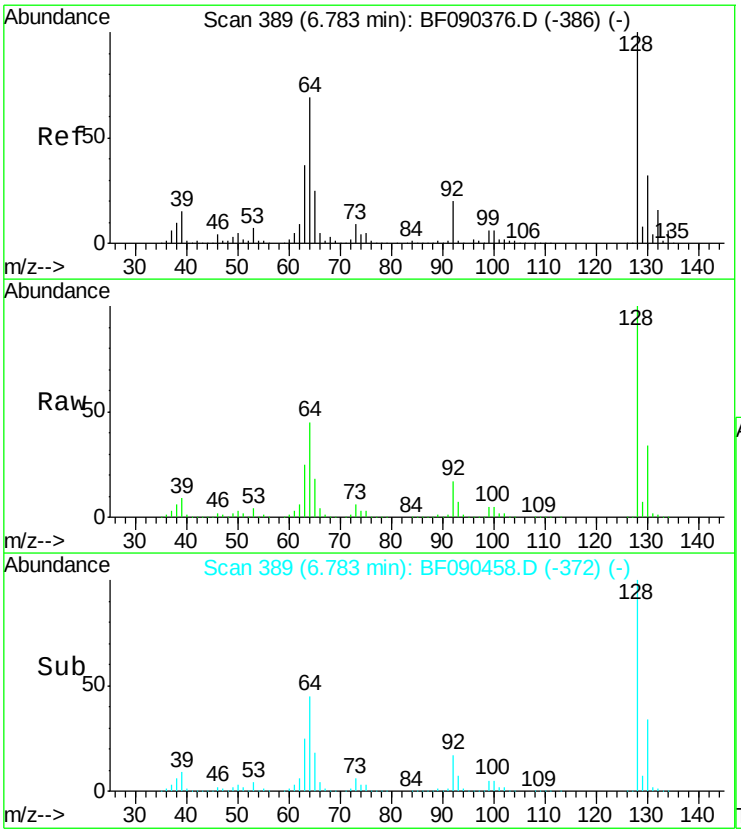

#7
Phenol-d6
Concen: 120.10 ng
RT: 6.63 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 99 Resp: 2505677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.4 | 20.0 | 30.0# |
| 71 | 32.4 | 27.9 | 41.9 |

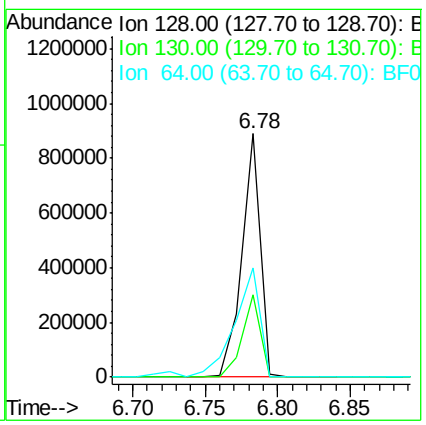


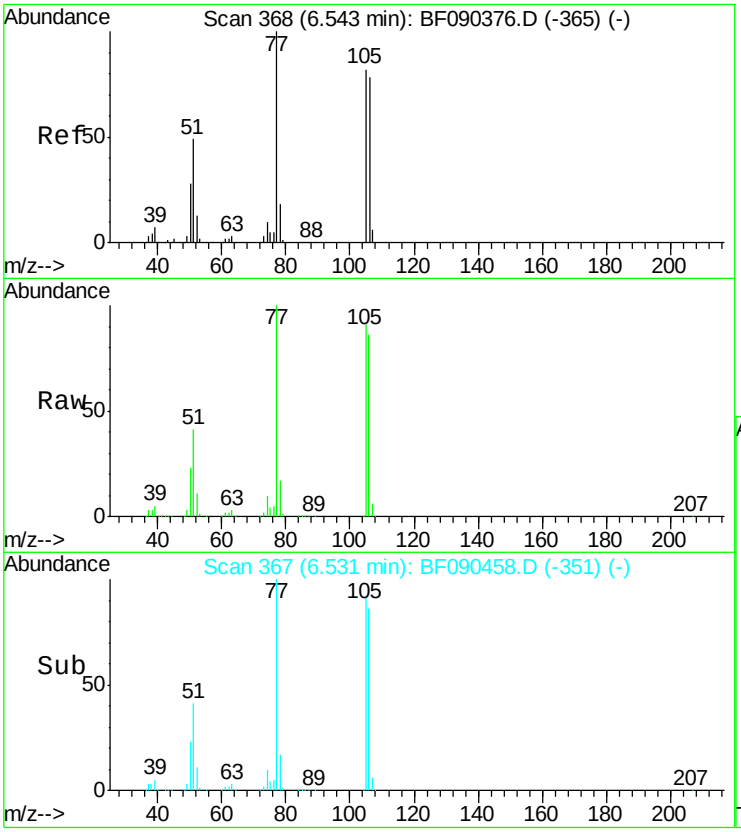




#8
2-Chlorophenol
Concen: 44.38 ng
RT: 6.78 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:128 Resp: 777960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 34.0 | 13.3 | 53.3 |
| 64 | 45.0 | 36.0 | 76.0 |



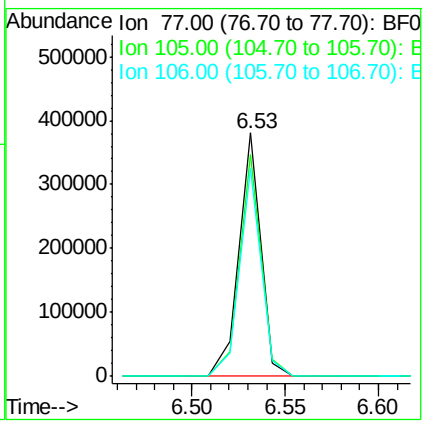


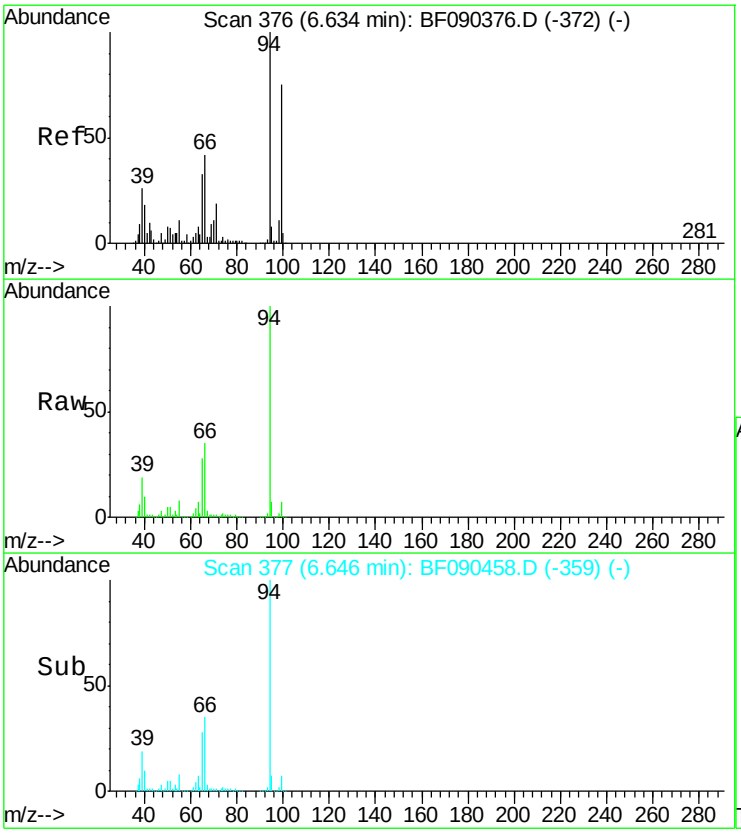

#9
Benzaldehyde
Concen:  29.68 ng
RT: 6.53 min  Scan# 367
Delta R.T.  -0.01 min
Lab File:  BF090458.D
Acq:  7 Oct 2016  21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 77 Resp:  312969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.0 | 73.1 | 113.1 |
| 106 | 85.6 | 70.2 | 110.2 |

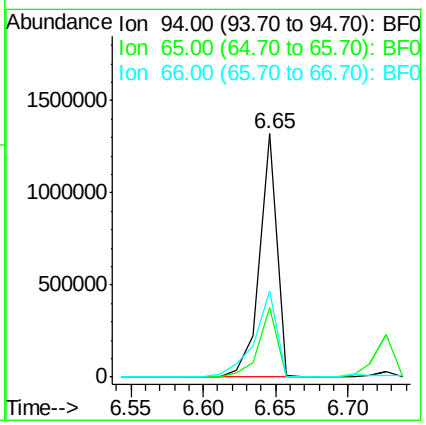


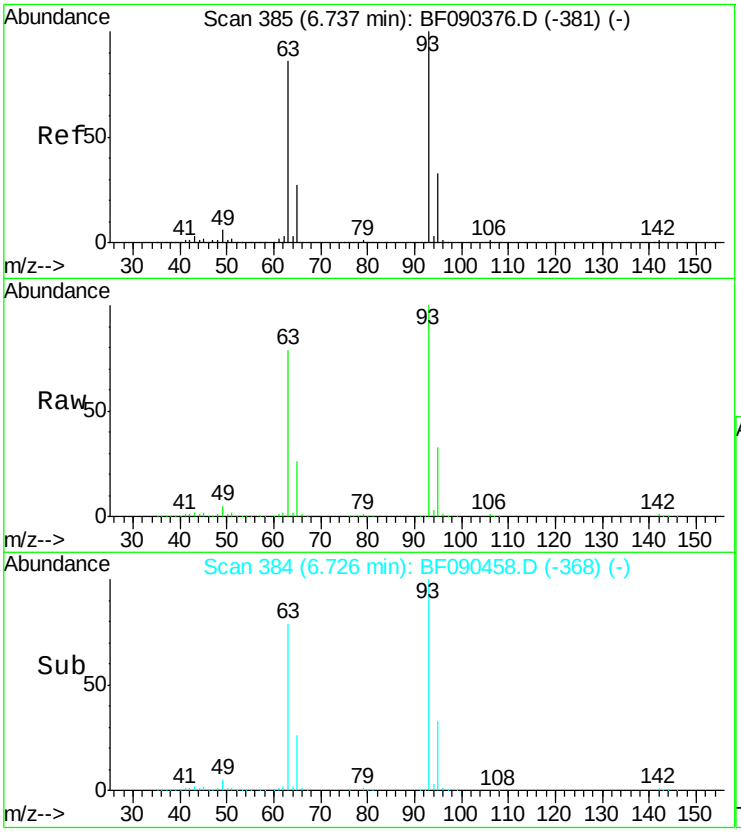




#10
Phenol
Concen:  45.11 ng
RT: 6.65 min  Scan# 377
Delta R.T.  0.01 min
Lab File:  BF090458.D
Acq:  7 Oct 2016  21:57

Tgt Ion: 94 Resp: 1094260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.4 | 13.3 | 53.3 |
| 66 | 35.3 | 20.4 | 60.4 |



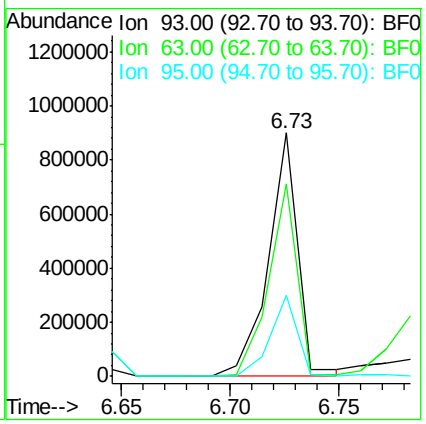


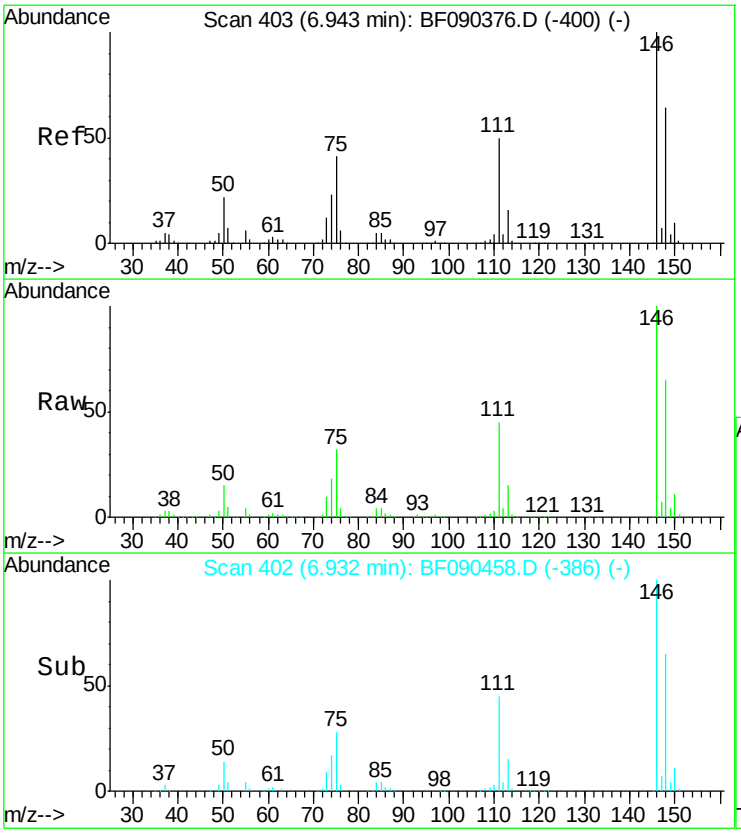

#11
bis(2-Chloroethyl)ether
Concen: 46.23 ng
RT: 6.73 min Scan# 384
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 93 Resp: 858648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.8 | 59.7 | 99.7 |
| 95 | 33.1 | 14.0 | 54.0 |

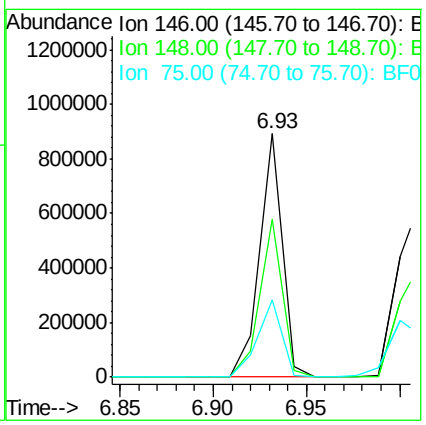


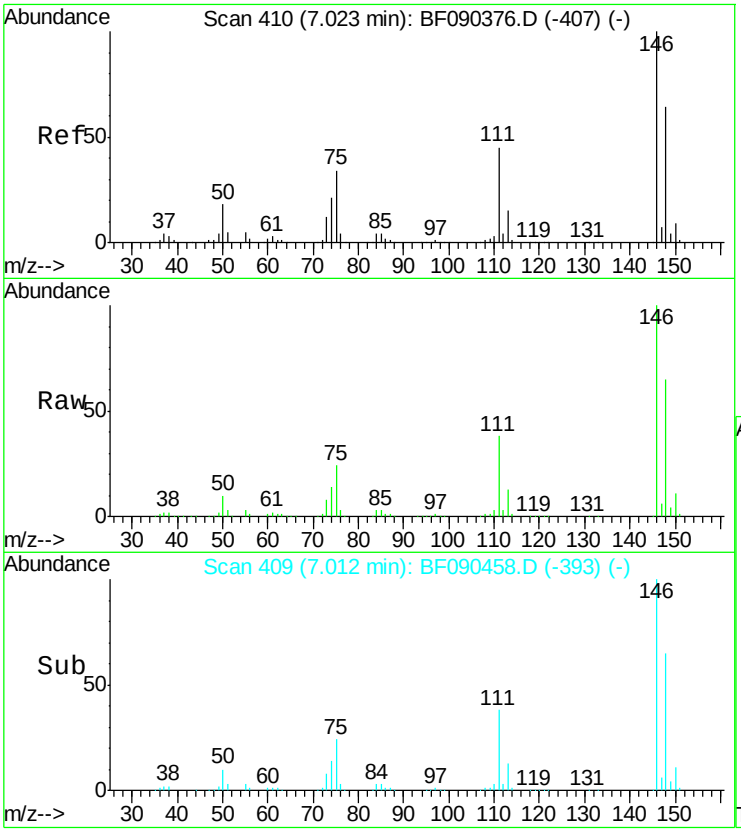




#12
1,3-Dichlorobenzene
Concen: 42.58 ng
RT: 6.93 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:146 Resp: 744019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 52.2 | 78.4 |
| 75 | 31.7 | 21.4 | 32.2 |



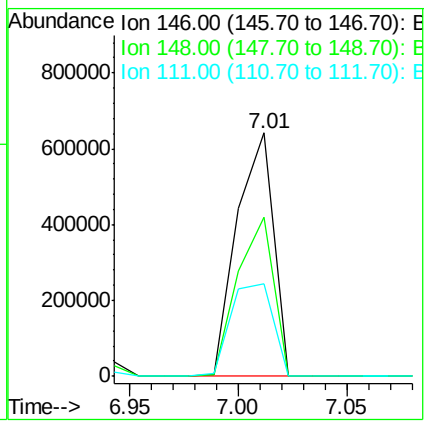


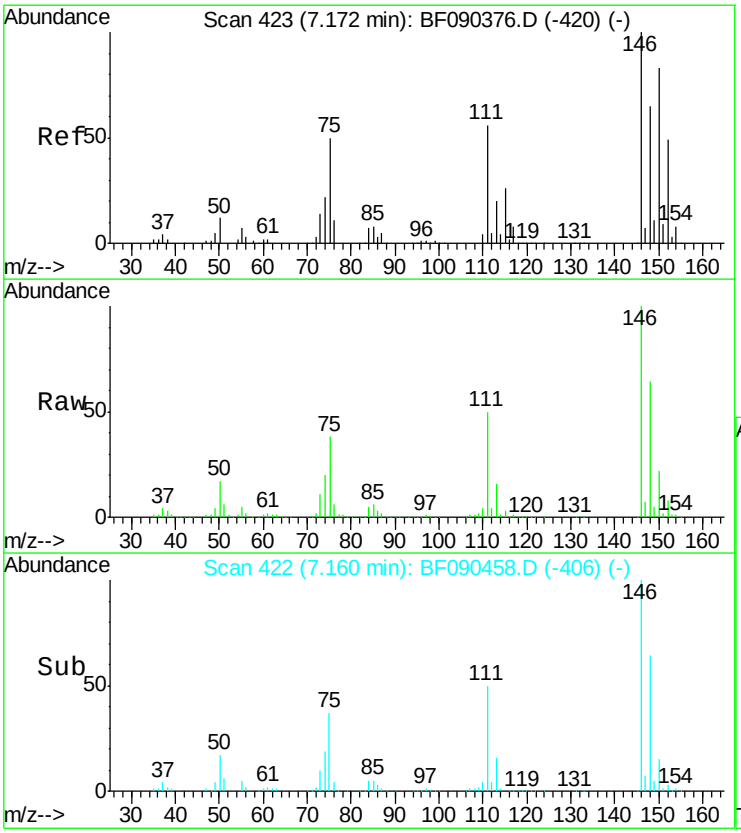

#13
1,4-Dichlorobenzene
Concen: 42.25 ng
RT: 7.01 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:146 Resp: 749903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.1 | 76.7 |
| 111 | 37.8 | 37.8 | 56.6 |

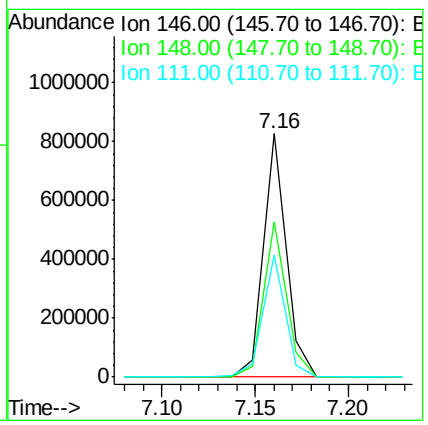


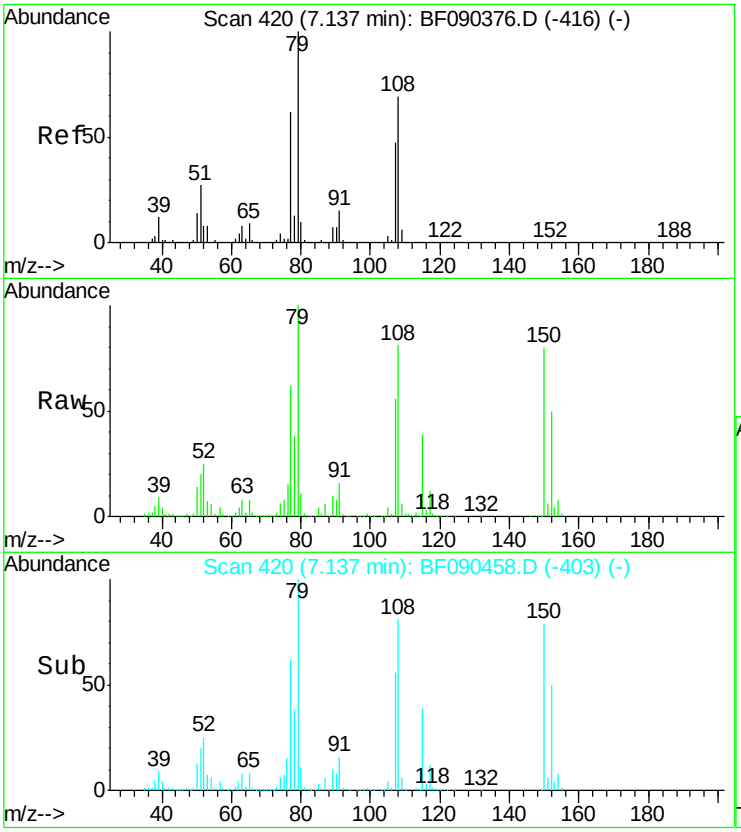




#14
1,2-Dichlorobenzene
Concen: 40.53 ng
RT: 7.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:146 Resp: 693114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 52.3 | 78.5 |
| 111 | 50.1 | 38.2 | 57.4 |



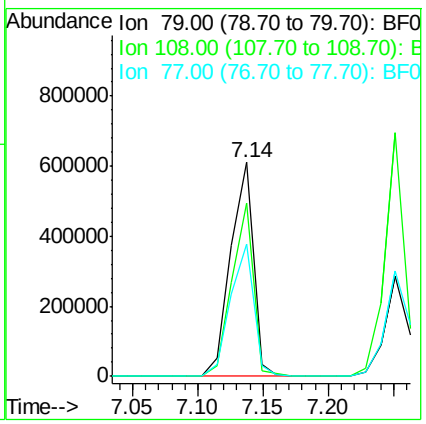


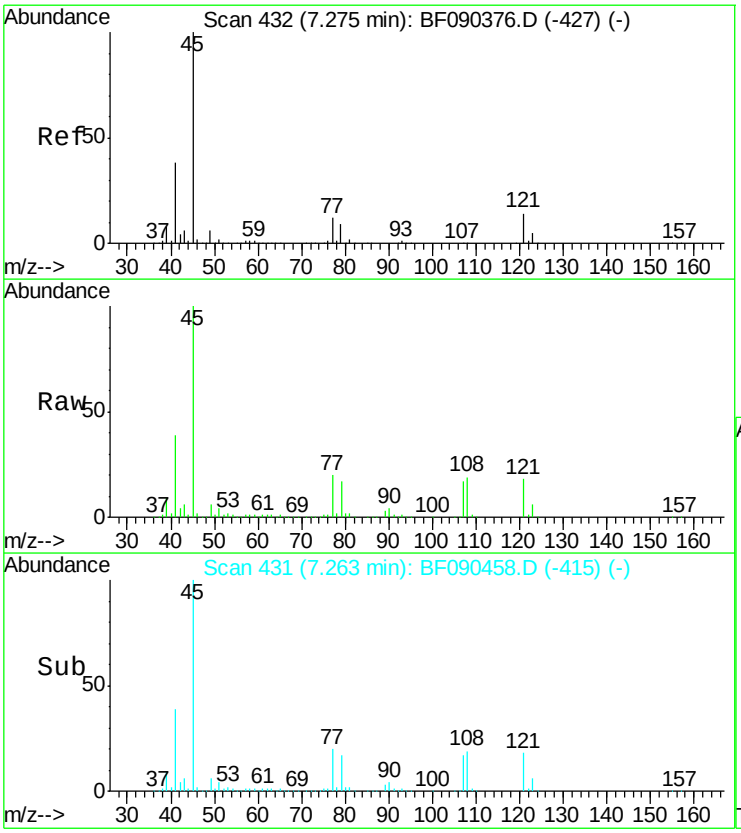

#15
Benzyl Alcohol
Concen: 46.89 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 79 Resp: 743653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.0 | 60.9 | 91.3 |
| 77 | 61.7 | 51.5 | 77.3 |

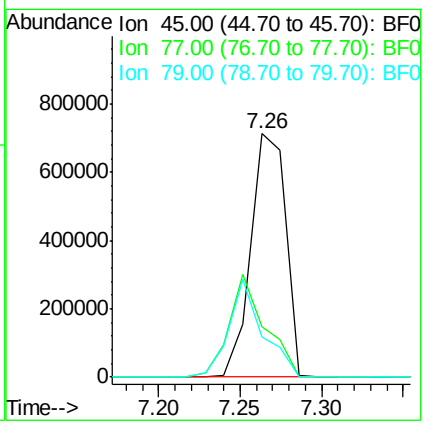


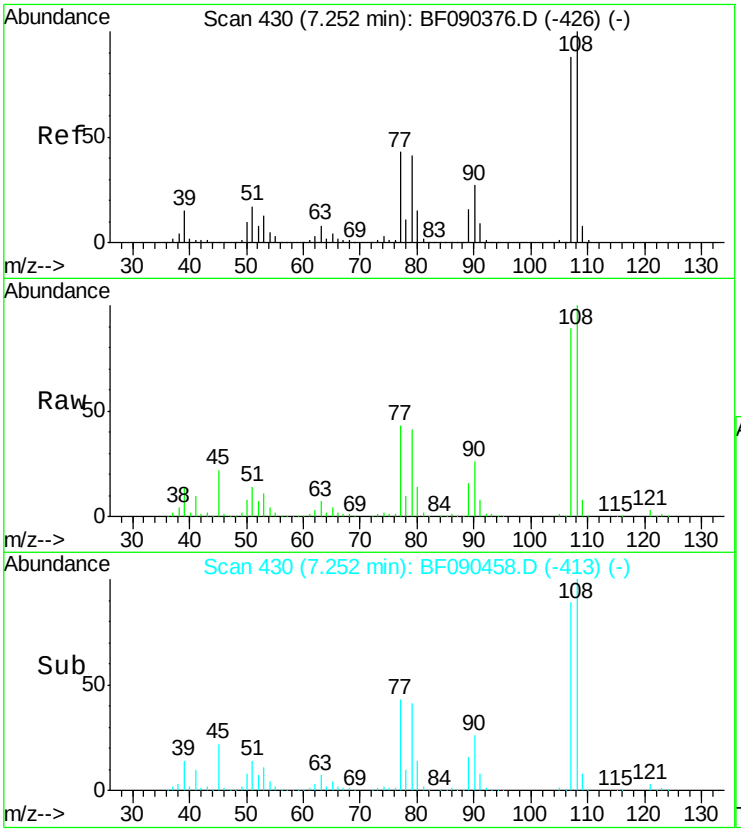




#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.53 ng
RT: 7.26 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 45 Resp: 1056191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 20.5 | 0.0 | 30.8 |
| 79 | 16.7 | 0.0 | 28.2 |



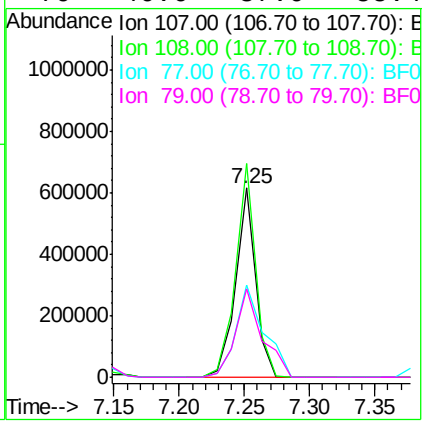


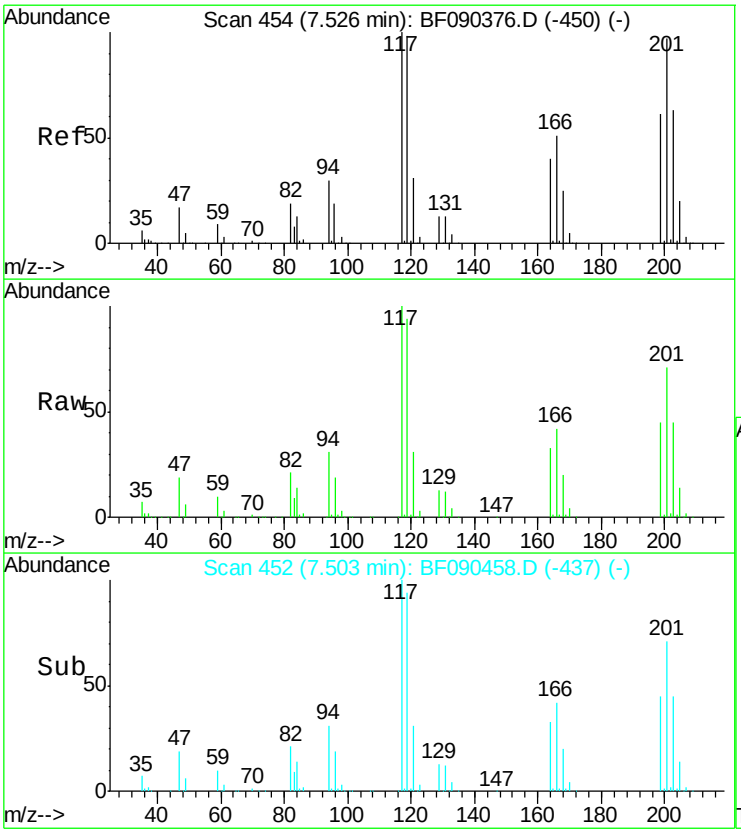

#17
2-Methylphenol
Concen: 44.98 ng
RT: 7.25 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:107 Resp: 648493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.9 | 136.3 |
| 77 | 48.9 | 38.2 | 57.4 |
| 79 | 46.6 | 37.0 | 55.4 |

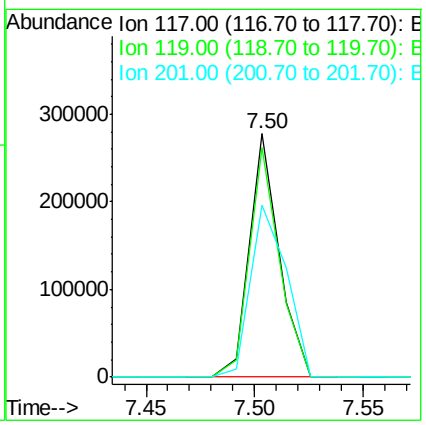


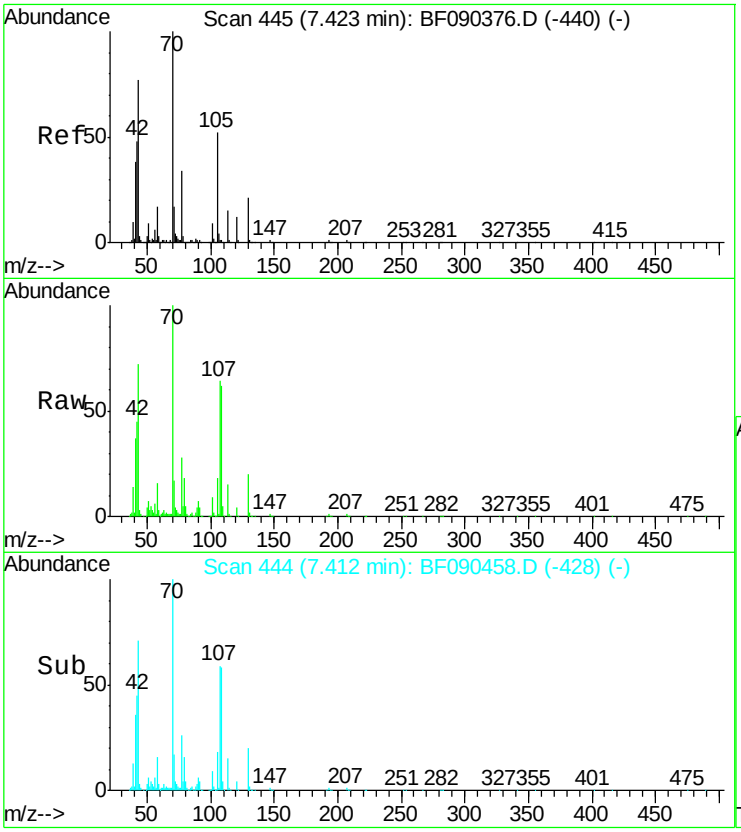




#18
Hexachloroethane
Concen: 37.61 ng
RT: 7.50 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:117 Resp: 263184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.9 | 113.9 |
| 201 | 70.7 | 66.5 | 99.7 |



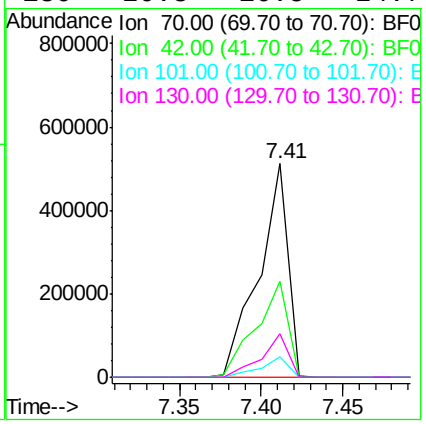


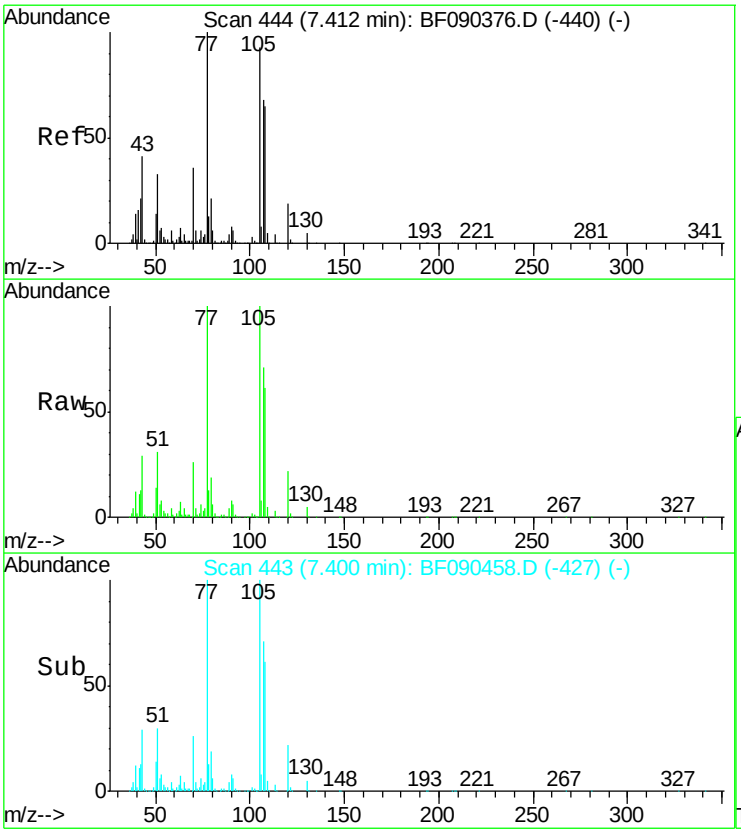

#19
n-Nitroso-di-n-propylamine
Concen: 41.79 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 70 Resp: 639364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.7 | 55.4 | 83.2# |
| 101 | 9.3 | 7.6 | 11.4 |
| 130 | 20.3 | 16.5 | 24.7 |

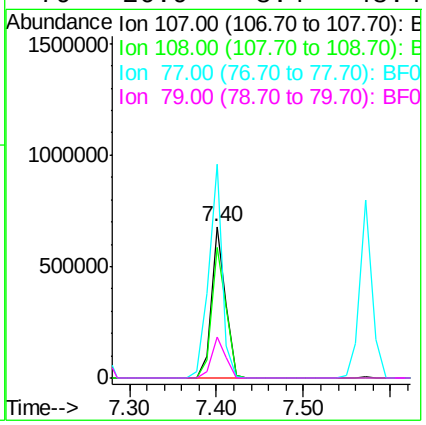


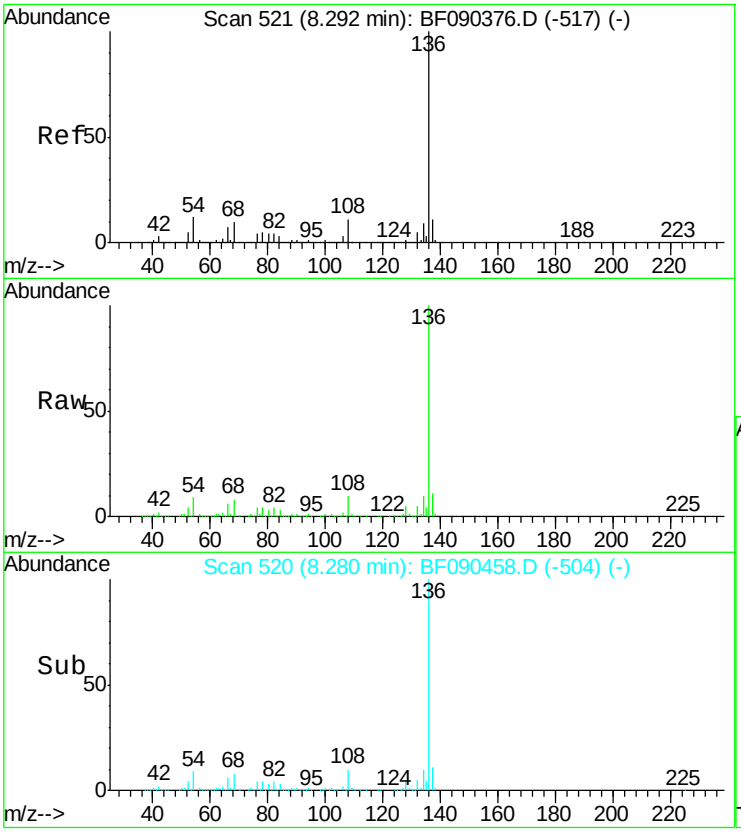




#20
3+4-Methylphenols
Concen: 40.92 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:107 Resp: 763662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.5 | 66.7 | 106.7 |
| 77 | 140.9 | 53.7 | 93.7# |
| 79 | 26.9 | 8.4 | 48.4 |



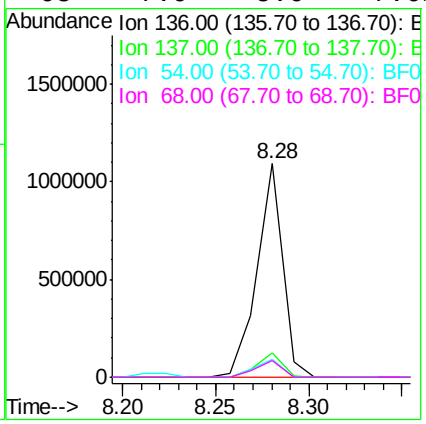


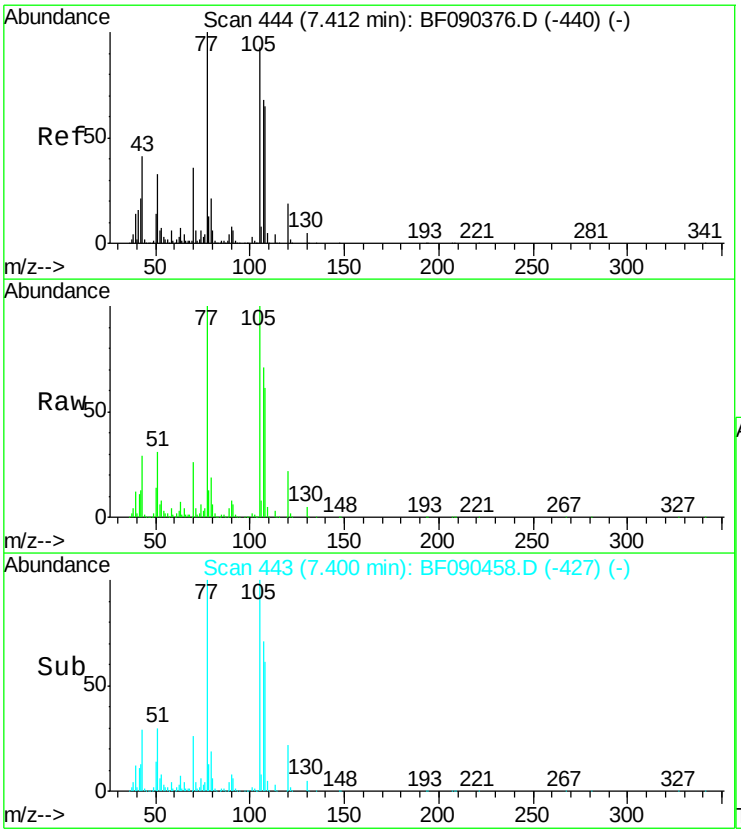

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:136 Resp: 1032599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.0 | 13.6 |
| 54 | 8.6 | 6.6 | 10.0 |
| 68 | 7.9 | 5.0 | 7.6# |

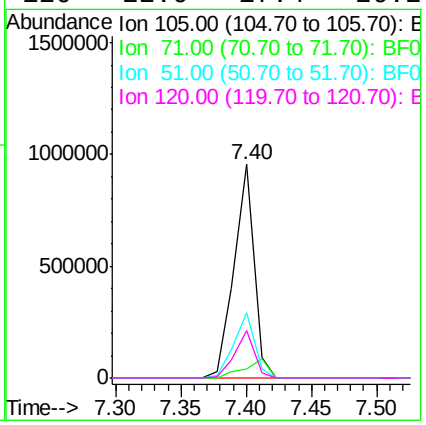


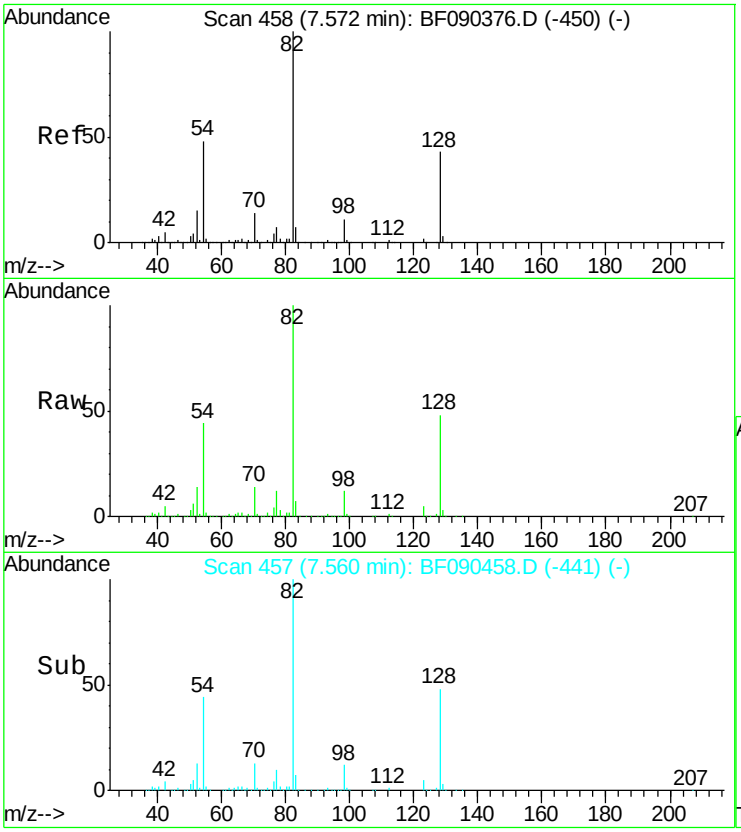




#22
Acetophenone
Concen: 41.36 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:105 Resp: 1011508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.4 | 3.8 | 5.6 |
| 51 | 30.6 | 28.2 | 42.4 |
| 120 | 22.0 | 17.4 | 26.2 |



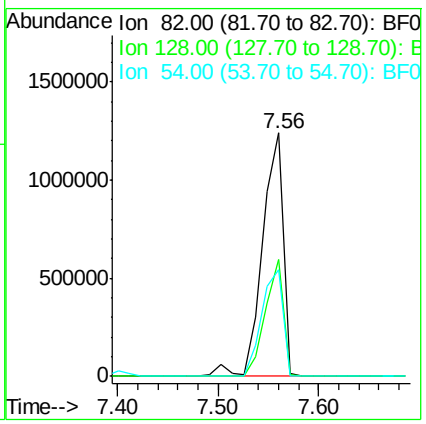


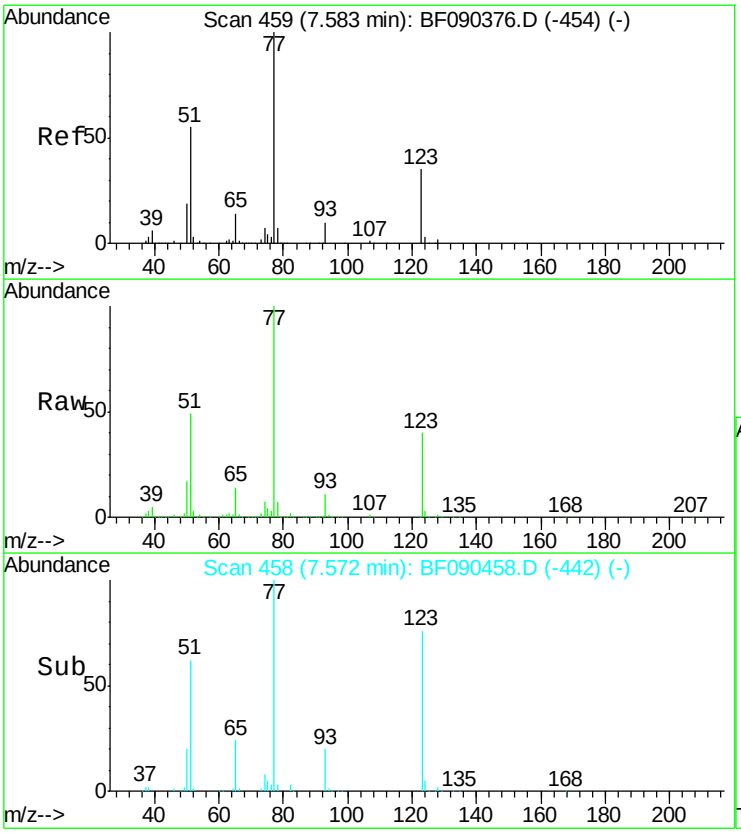

#23
Nitrobenzene-d5
Concen: 83.31 ng
RT: 7.56 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 82 Resp: 1768536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.9 | 40.0 | 60.0 |
| 54 | 44.0 | 42.6 | 64.0 |

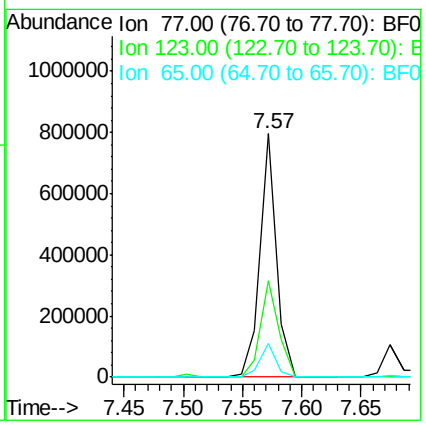


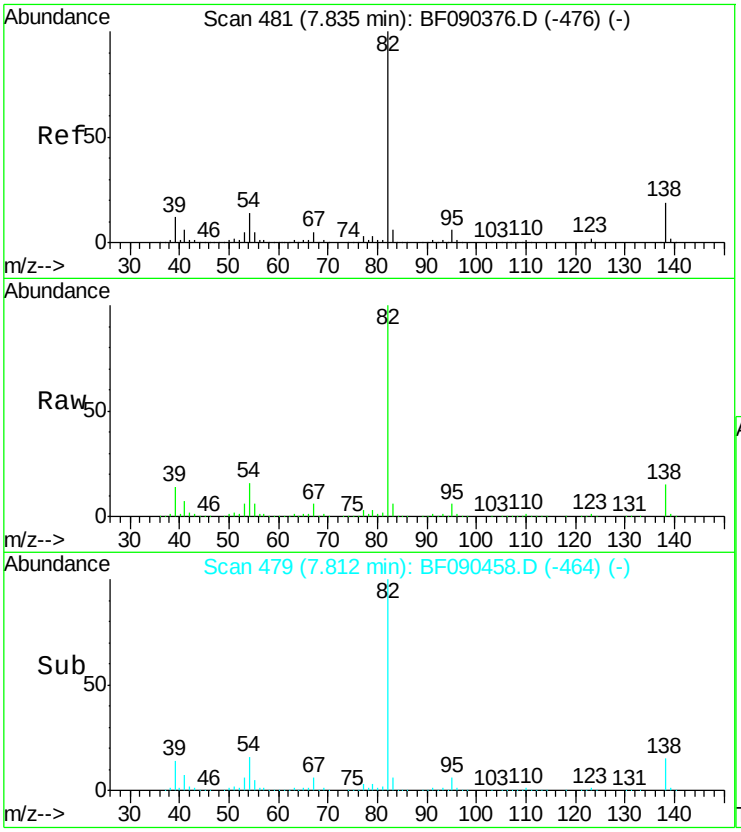




#24
Nitrobenzene
Concen: 36.96 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 77 Resp: 778964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 39.9 | 33.0 | 49.4 |
| 65 | 13.9 | 12.0 | 18.0 |



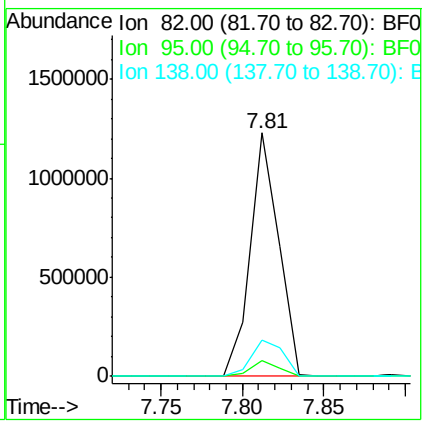


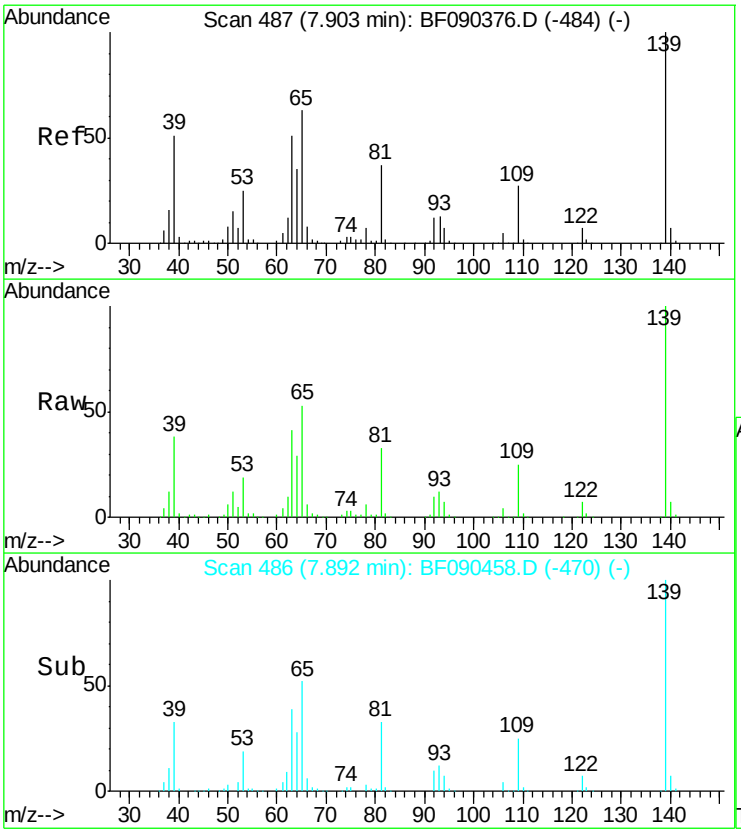

#25
Isophorone
Concen: 38.50 ng
RT: 7.81 min Scan# 479
Delta R.T. -0.02 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion: 82 Resp: 1494212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.2 | 5.2 | 7.8 |
| 138 | 14.7 | 13.0 | 19.4 |

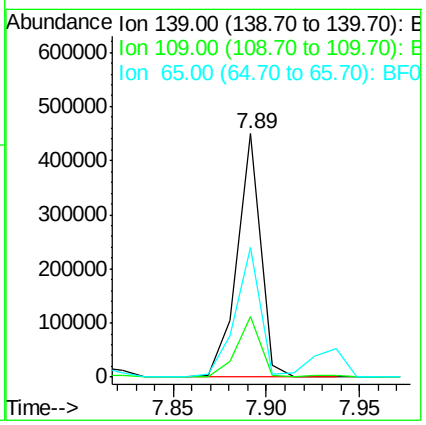


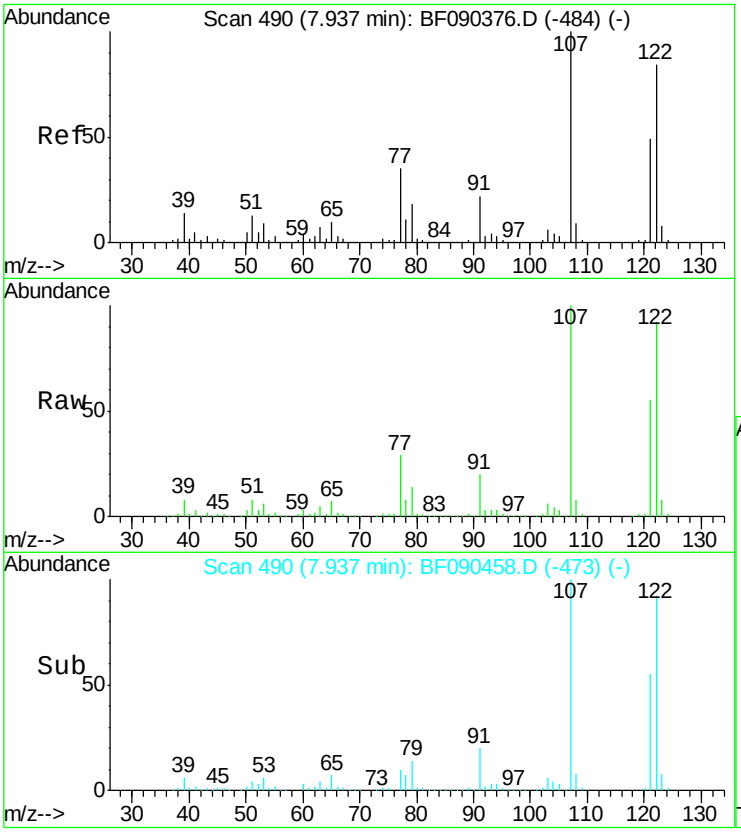




#26
2-Nitrophenol
Concen: 43.82 ng
RT: 7.89 min Scan# 486
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:139 Resp: 397498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 24.8 | 18.9 | 28.3 |
| 65 | 53.3 | 31.6 | 47.4# |



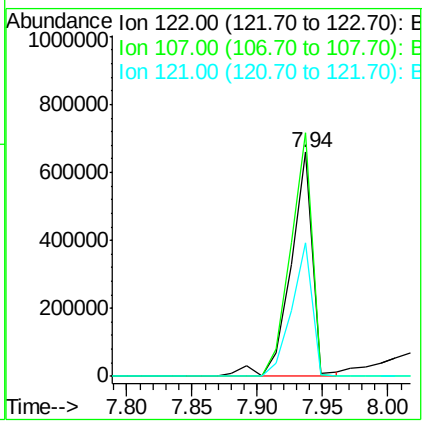


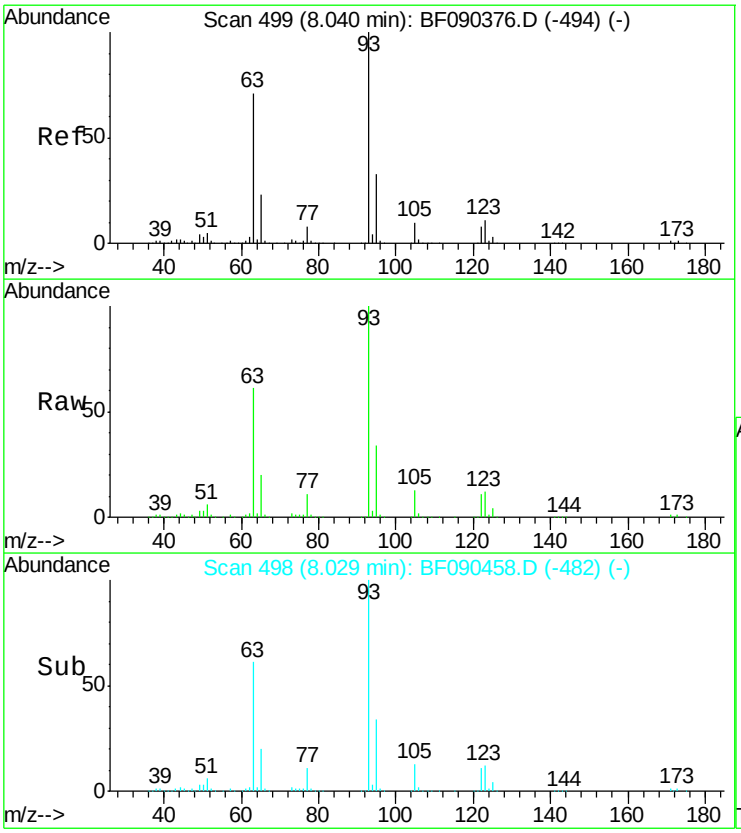

#27
2,4-Dimethylphenol
Concen: 43.51 ng
RT: 7.94 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:122 Resp: 767549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 108.6 | 88.6 | 132.8 |
| 121 | 59.7 | 47.5 | 71.3 |

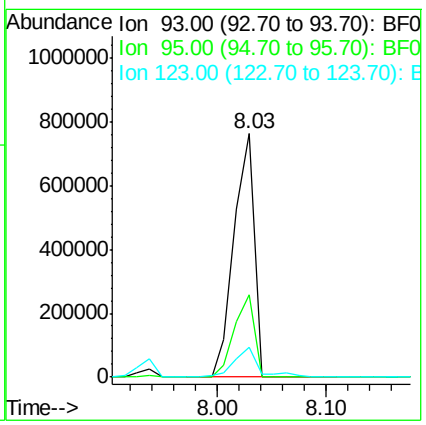


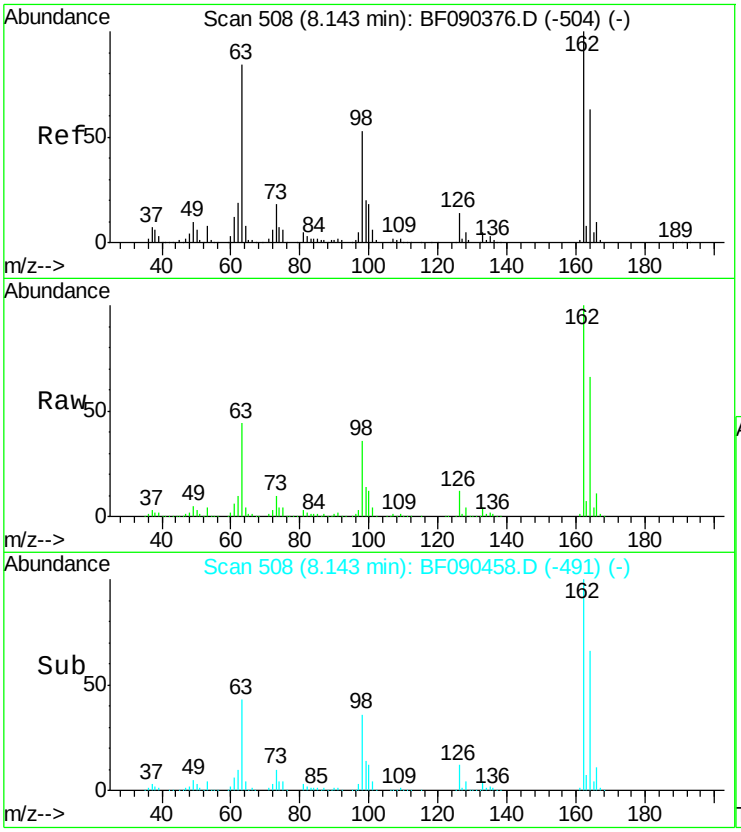




#28
bis(2-Chloroethoxy)methane
Concen: 42.38 ng
RT: 8.03 min Scan# 498
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion: 93 Resp: 972839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.6 | 27.0 | 40.4 |
| 123 | 12.4 | 11.1 | 16.7 |



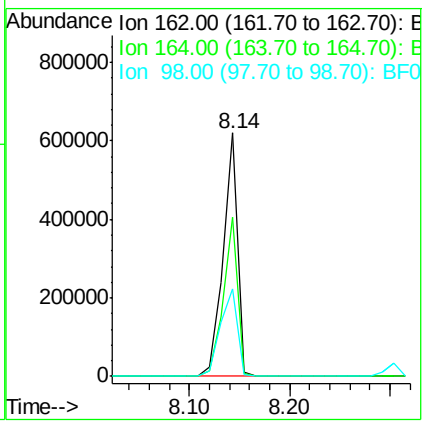


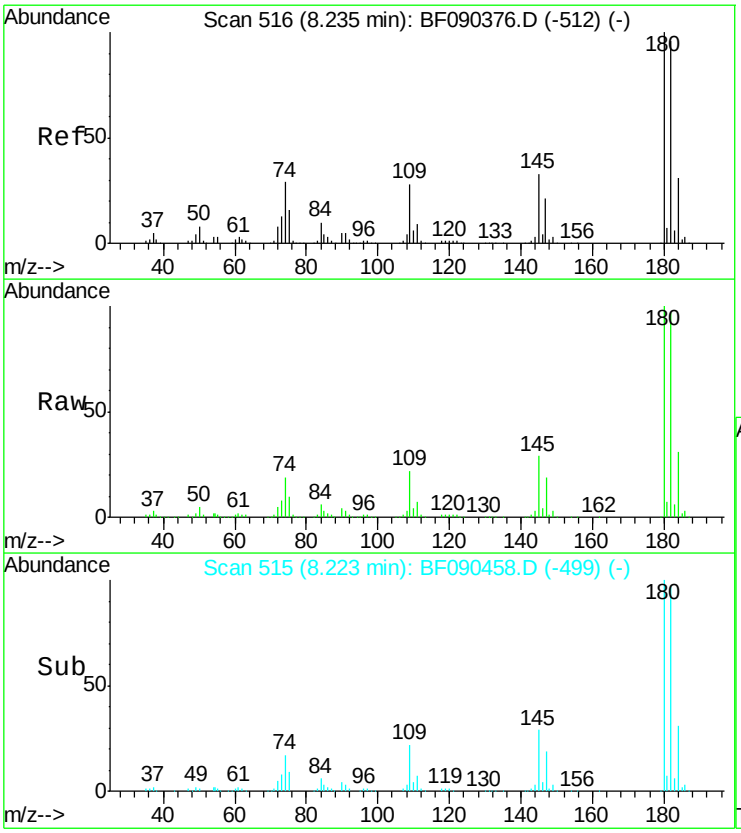

#29
2,4-Dichlorophenol
Concen: 45.92 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:162 Resp: 615826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.5 | 45.7 | 85.7 |
| 98 | 35.8 | 13.3 | 53.3 |

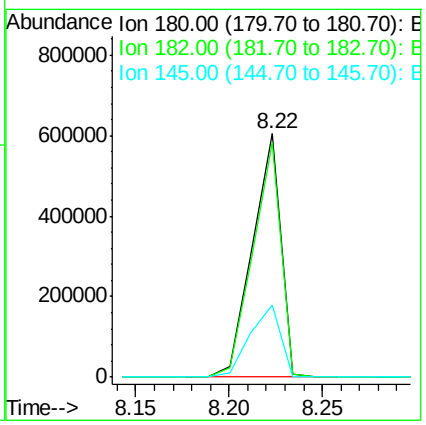


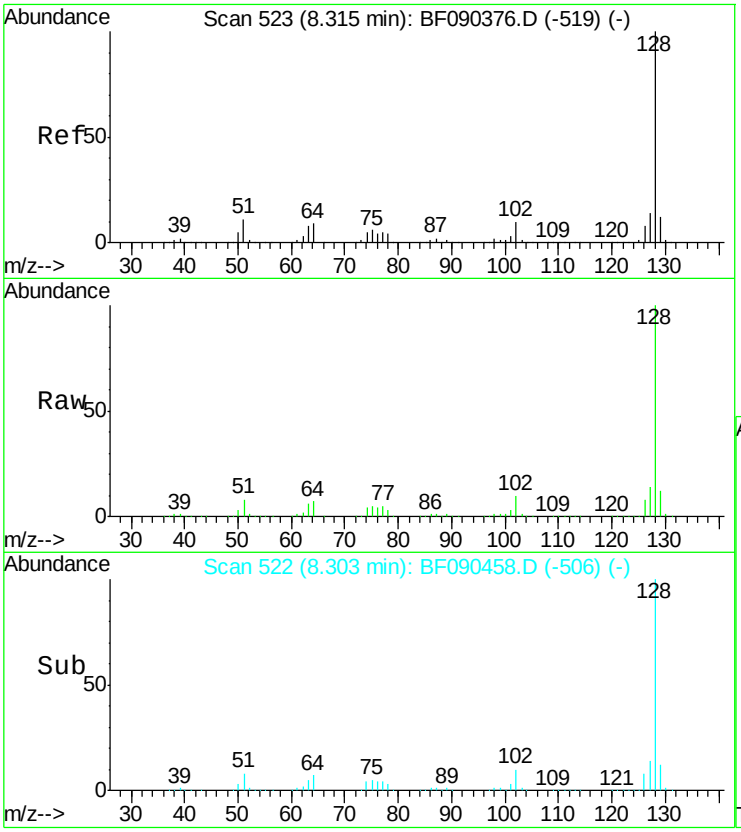




#30
1,2,4-Trichlorobenzene
Concen: 46.50 ng
RT: 8.22 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:180 Resp: 642758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 75.3 | 112.9 |
| 145 | 29.4 | 27.7 | 41.5 |



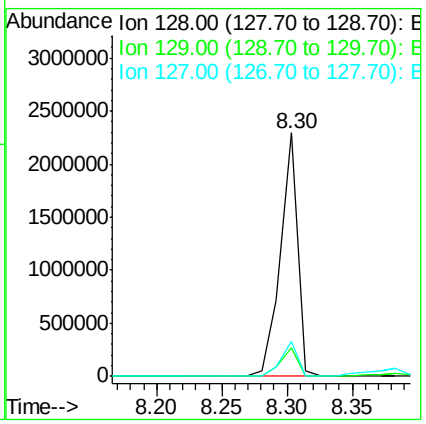


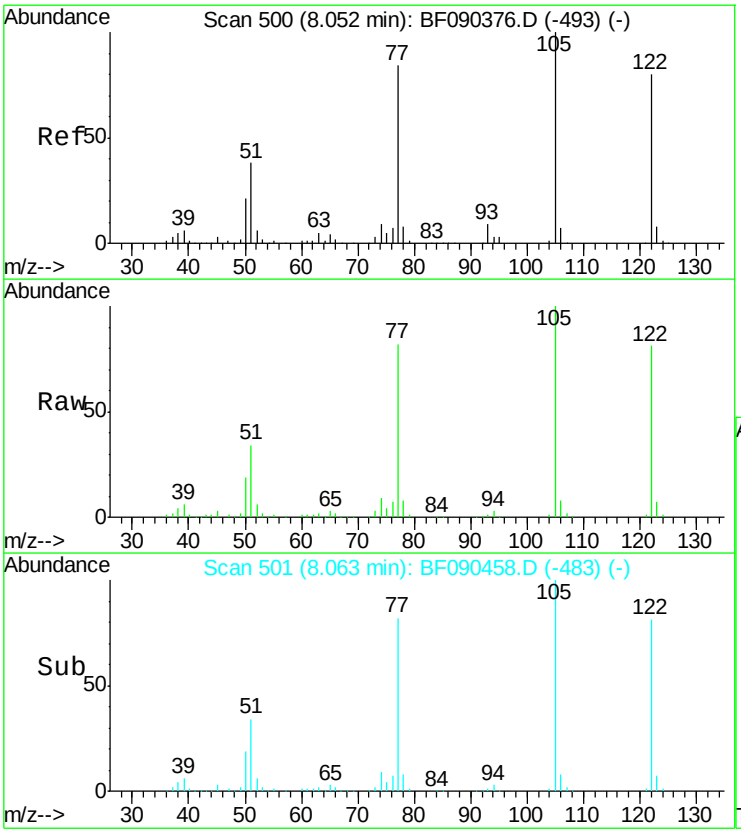

#31
Naphthalene
Concen: 42.88 ng
RT: 8.30 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:128 Resp: 2136392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.0 | 9.7 | 14.5 |
| 127 | 14.2 | 11.7 | 17.5 |

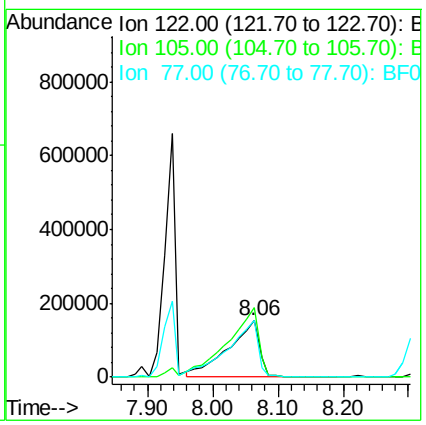


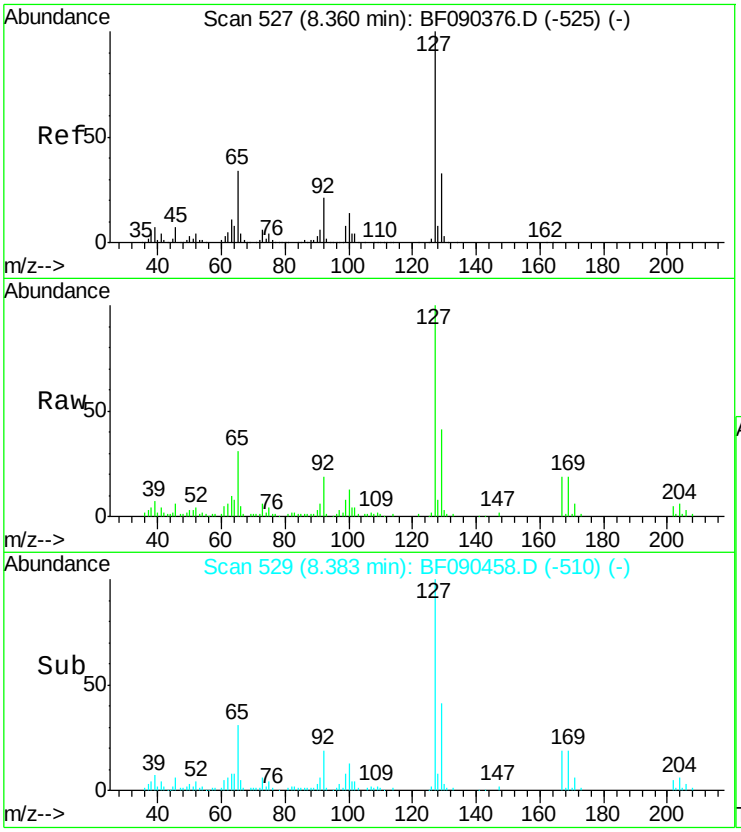




#32
Benzoic acid
Concen: 41.10 ng
RT: 8.06 min Scan# 501
Delta R.T. 0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:122 Resp: 503986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.6 | 103.9 | 143.9 |
| 77 | 101.2 | 74.6 | 114.6 |



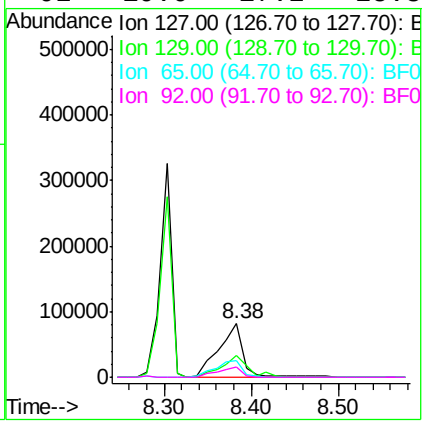


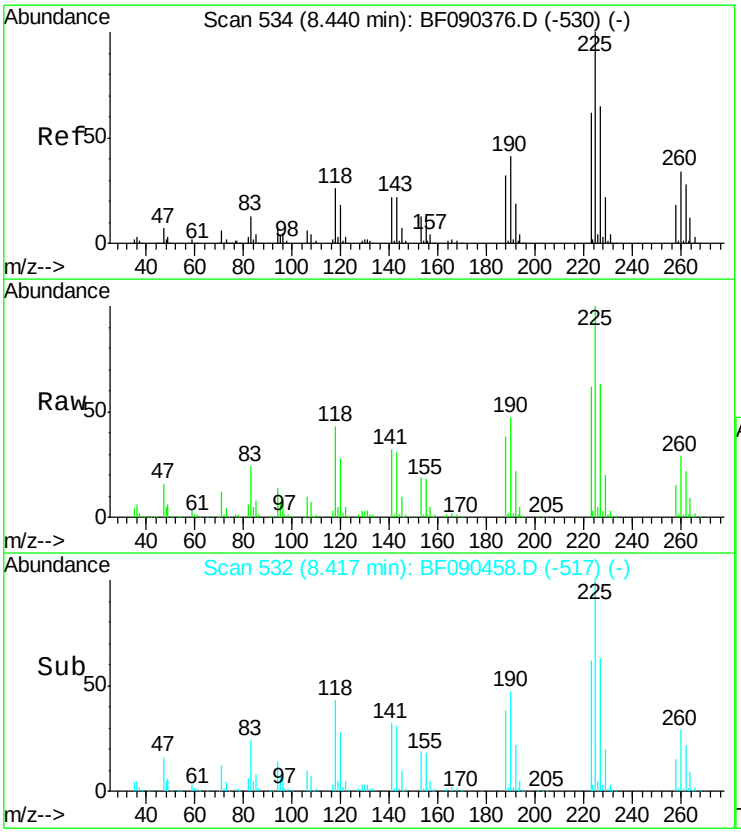

#33
4-Chloroaniline
Concen: 7.59 ng
RT: 8.38 min Scan# 529
Delta R.T. 0.02 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:127 Resp: 156199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 40.9 | 26.2 | 39.4# |
| 65 | 31.4 | 32.5 | 48.7# |
| 92 | 19.0 | 17.2 | 25.8 |

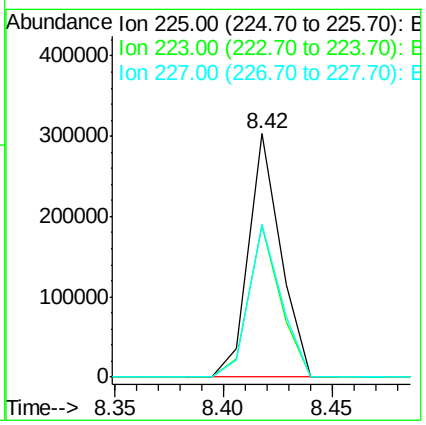


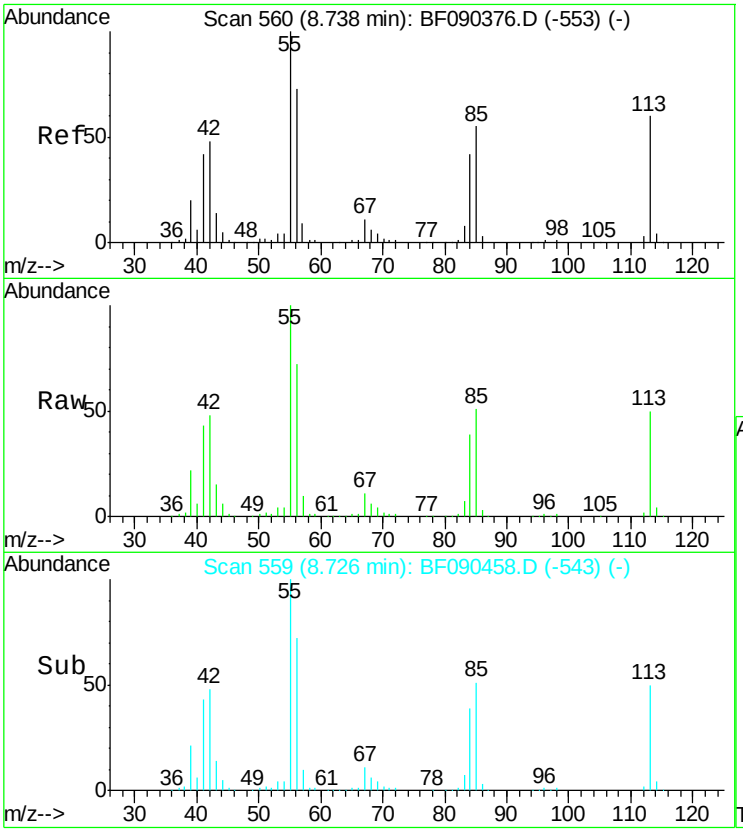




#34
Hexachlorobutadiene
Concen: 40.33 ng
RT: 8.42 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:225 Resp: 311430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 51.0 | 76.4 |
| 227 | 62.7 | 50.8 | 76.2 |



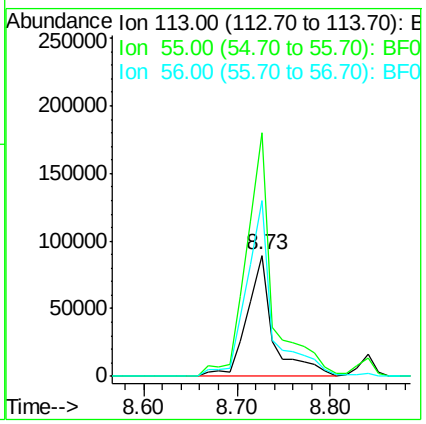


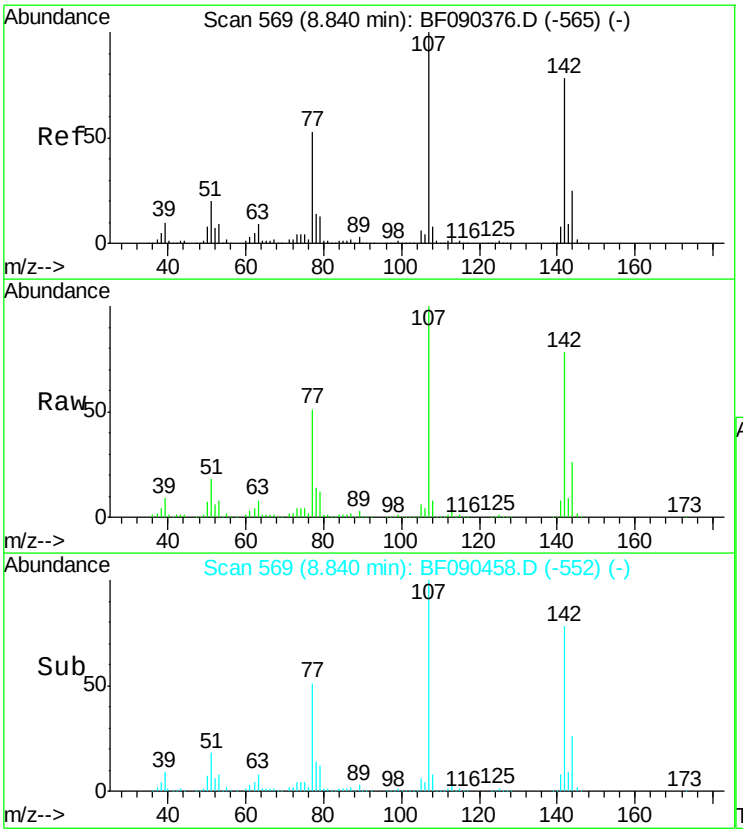

#35
Caprolactam
Concen: 39.07 ng
RT: 8.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:113 Resp: 176188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 200.7 | 203.3 | 243.3# |
| 56 | 145.1 | 140.5 | 180.5 |

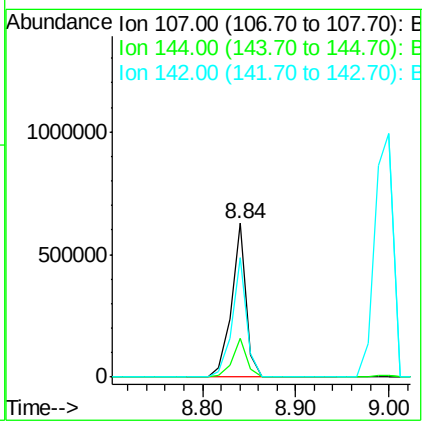


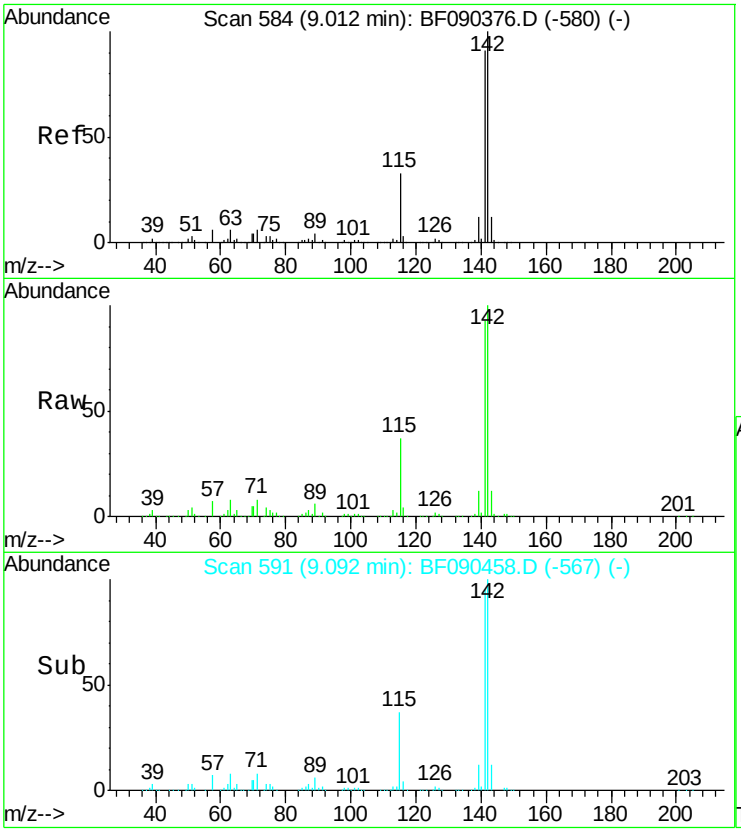




#36
4-Chloro-3-methylphenol
Concen: 40.77 ng
RT: 8.84 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:107 Resp: 684710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 19.8 | 29.8 |
| 142 | 77.7 | 60.7 | 91.1 |



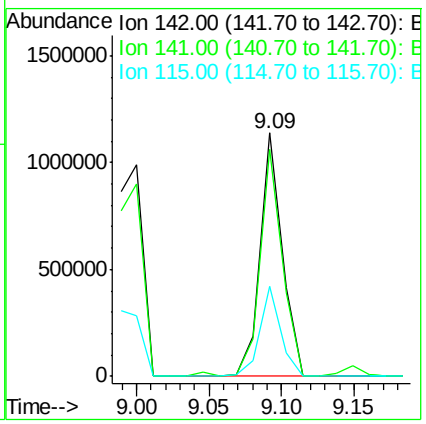


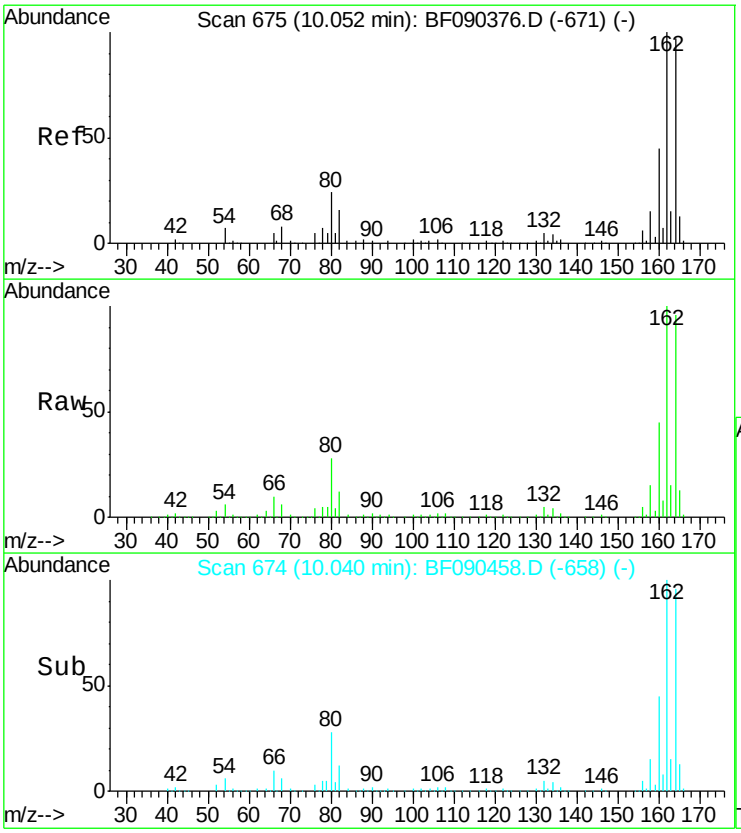

#37
2-Methylnaphthalene
Concen: 40.04 ng
RT: 9.09 min Scan# 591
Delta R.T. 0.08 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:142 Resp: 1207424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 71.8 | 107.8 |
| 115 | 36.7 | 28.8 | 43.2 |

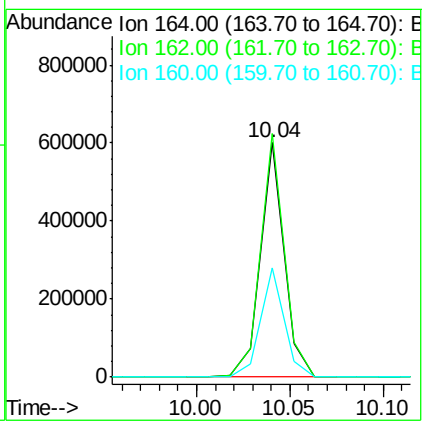


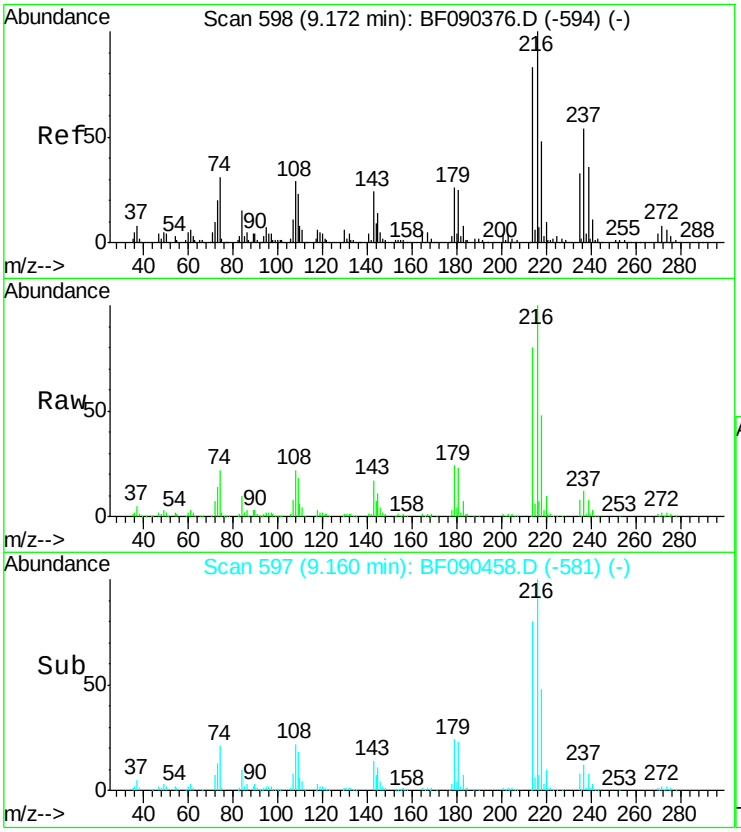




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:164 Resp: 525627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 80.1 | 120.1 |
| 160 | 46.6 | 36.3 | 54.5 |



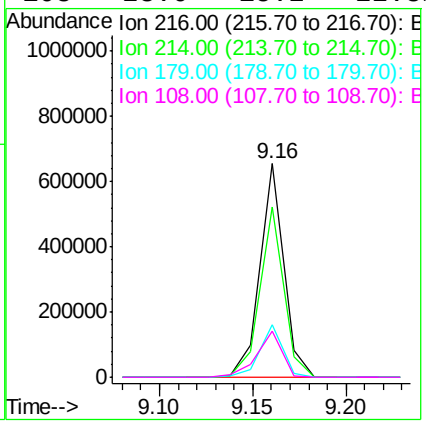


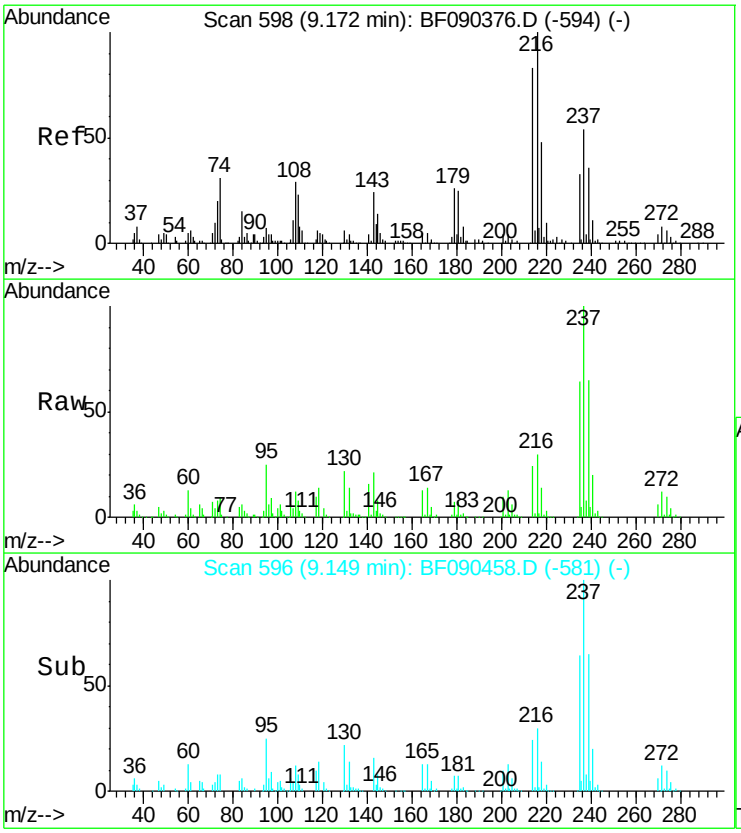

#39
1,2,4,5-Tetrachlorobenzene
Concen: 41.73 ng
RT: 9.16 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:216 Resp: 578268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.5 | 64.2 | 96.2 |
| 179 | 23.5 | 18.0 | 27.0 |
| 108 | 23.0 | 15.2 | 22.8# |

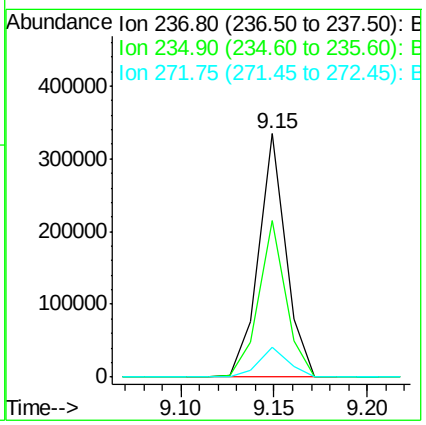


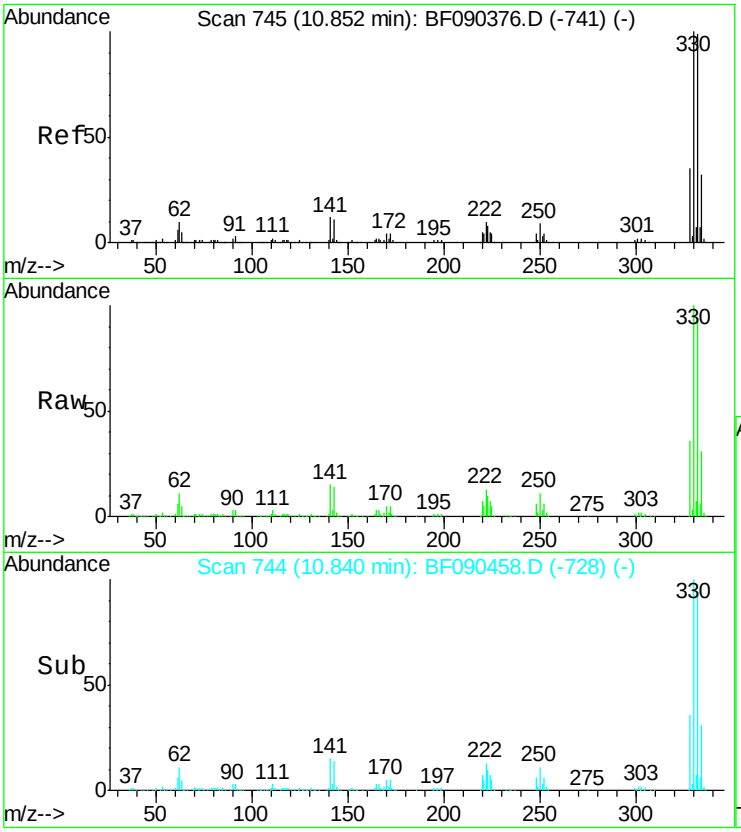




#40
Hexachlorocyclopentadiene
Concen: 44.46 ng
RT: 9.15 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:237 Resp: 337752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.4 | 43.6 | 83.6 |
| 272 | 12.2 | 0.0 | 32.7 |



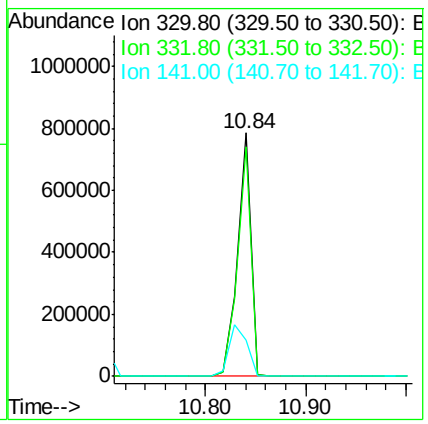


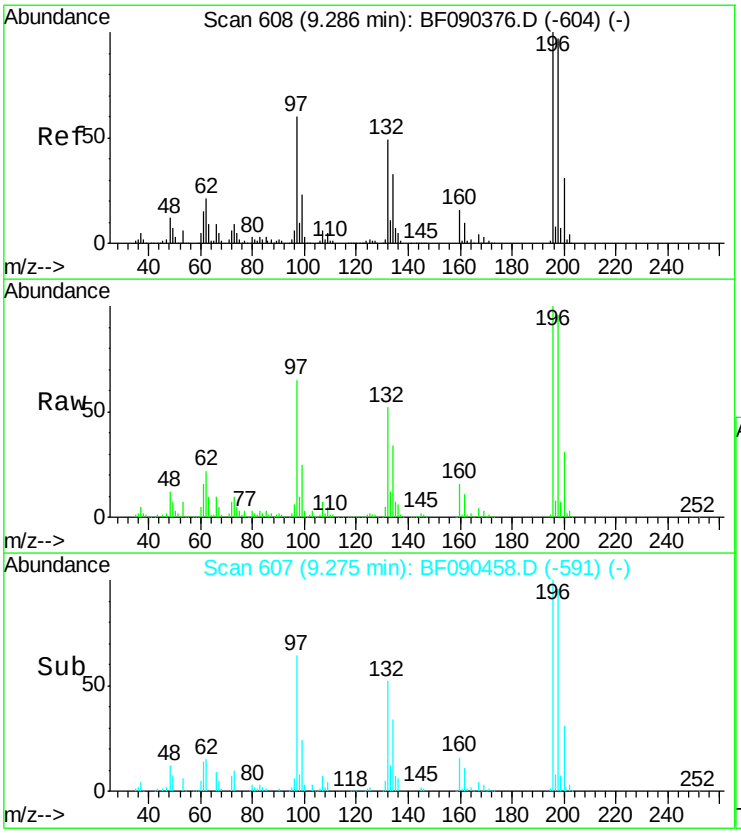

#41
2,4,6-Tribromophenol
Concen: 170.88 ng
RT: 10.84 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:330 Resp: 730369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 75.4 | 113.0 |
| 141 | 28.7 | 26.9 | 40.3 |

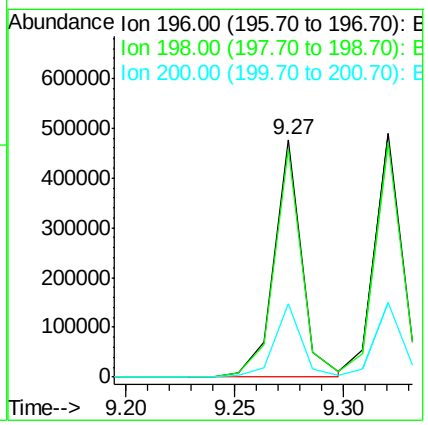


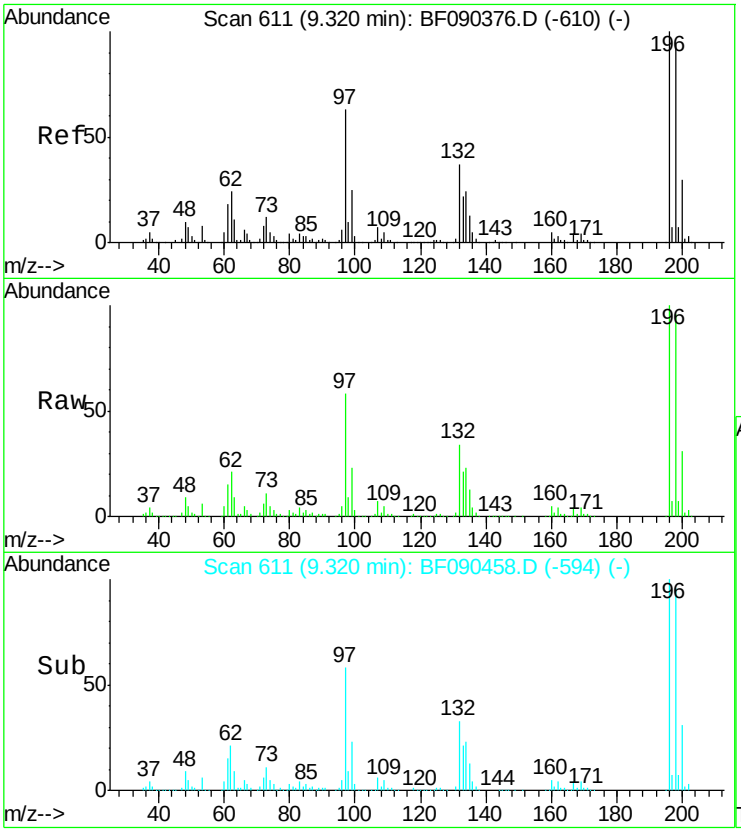




#42
2,4,6-Trichlorophenol
Concen: 44.16 ng
RT: 9.27 min Scan# 607
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:196 Resp: 422260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.3 | 78.9 | 118.3 |
| 200 | 30.8 | 25.4 | 38.2 |



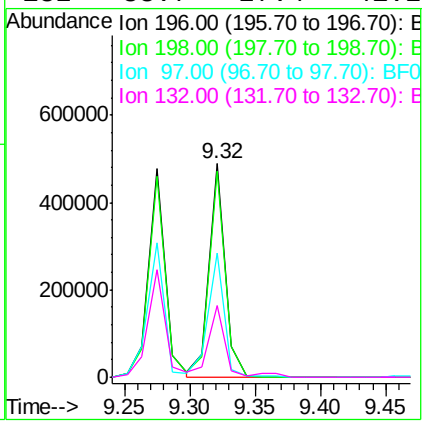


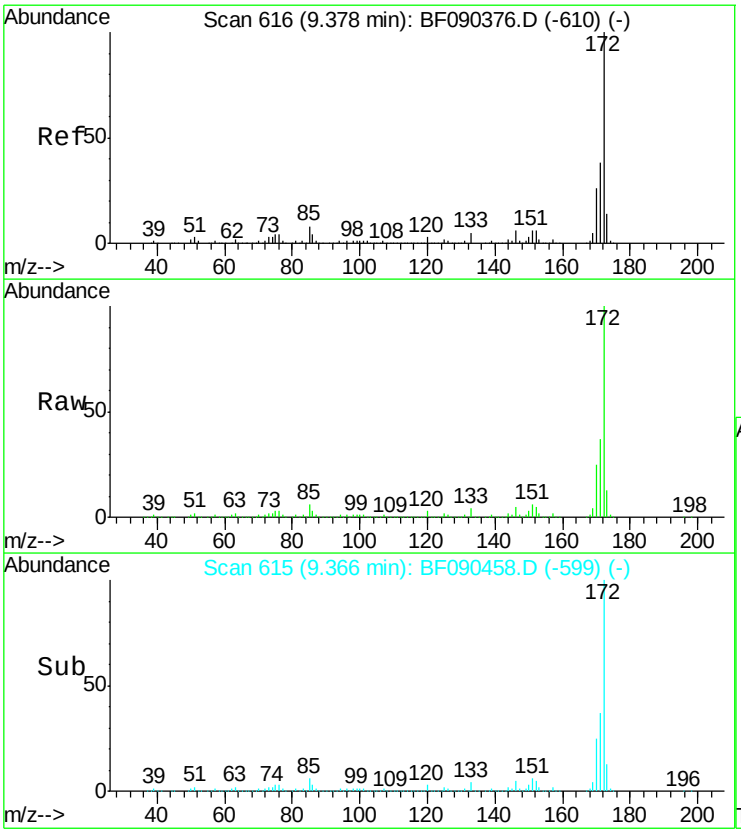

#43
2,4,5-Trichlorophenol
Concen: 46.88 ng
RT: 9.32 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

**Instrument :**
BNA_F
**ClientSampleId :**
PB93867BS

Tgt Ion:196 Resp: 423931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 78.1 | 117.1 |
| 97 | 58.3 | 48.1 | 72.1 |
| 132 | 33.7 | 27.4 | 41.2 |




#44
2-Fluorobiphenyl
Concen: 90.54 ng
RT: 9.37 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF090458.D
Acq: 7 Oct 2016 21:57

Tgt Ion:172 Resp: 2856295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.3 | 31.8 | 47.8 |
| 170 | 25.4 | 21.7 | 32.5 |