Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097180.D
Acq On : 29 Jul 2017 3:29
Operator : SJ/JU
Sample : I4456-15MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-18D24MSD

Quant Time: Jul 29 04:50:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.49 | 152 | 91110 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.77 | 136 | 358551 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.52 | 164 | 128340 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 10.99 | 188 | 198975 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.62 | 240 | 167361 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 14.96 | 264 | 142637 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.09 | 112 | 636981 | 105.39 | ng | | 0.00 |
| 7) Phenol-d6 | 6.16 | 99 | 750308 | 108.74 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 409888 | 67.06 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.30 | 330 | 96786 | 95.45 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.85 | 172 | 612610 | 81.01 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.57 | 244 | 454604 | 55.38 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.05 | 88 | 85113 | 33.746 | ng | # | 76 |
| 3) Pyridine | 2.67 | 79 | 229902 | 29.768 | ng | # | 62 |
| 4) n-Nitrosodimethylamine | 2.61 | 42 | 144428 | 33.756 | ng | | 82 |
| 6) Aniline | 6.15 | 93 | 256027 | 29.488 | ng | # | 83 |
| 8) 2-Chlorophenol | 6.28 | 128 | 219829 | 34.016 | ng | | 98 |
| 9) Benzaldehyde | 6.03 | 77 | 162526 | 39.796 | ng | | 96 |
| 10) Phenol | 6.17 | 94 | 311496 | 38.061 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.23 | 93 | 229597 | 35.470 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.43 | 146 | 232010 | 33.313 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.50 | 146 | 232890 | 33.743 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.66 | 146 | 209093 | 34.696 | ng | | 97 |
| 15) Benzyl Alcohol | 6.65 | 79 | 159321 | 36.471 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.78 | 45 | 428959 | 33.040 | ng | | 80 |
| 17) 2-Methylphenol | 6.77 | 107 | 159741 | 32.027 | ng | # | 89 |
| 18) Hexachloroethane | 7.00 | 117 | 66045 | 26.156 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 6.92 | 70 | 145519 | 32.041 | ng | # | 81 |
| 20) 3+4-Methylphenols | 6.93 | 107 | 218222 | 33.499 | ng | # | 63 |
| 22) Acetophenone | 6.90 | 105 | 288755 | 33.535 | ng | # | 98 |
| 24) Nitrobenzene | 7.07 | 77 | 203422 | 31.957 | ng | | 96 |
| 25) Isophorone | 7.32 | 82 | 369284 | 30.852 | ng | | 96 |
| 26) 2-Nitrophenol | 7.39 | 139 | 94634 | 27.479 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.45 | 122 | 175349 | 30.866 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.53 | 93 | 256849 | 32.883 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.65 | 162 | 175663 | 35.894 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.72 | 180 | 160167 | 34.335 | ng | | 96 |
| 31) Naphthalene | 7.79 | 128 | 573375 | 33.924 | ng | | 100 |
| 32) Benzoic acid | 7.55 | 122 | 9825 | 2.316 | ng | | 91 |
| 33) 4-Chloroaniline | 7.85 | 127 | 184906 | 26.887 | ng | | 98 |
| 34) Hexachlorobutadiene | 7.92 | 225 | 82226 | 33.249 | ng | | 97 |
| 35) Caprolactam | 8.21 | 113 | 51052 | 32.532 | ng | # | 49 |
| 36) 4-Chloro-3-methylphenol | 8.35 | 107 | 158708 | 29.725 | ng | | 86 |
| 37) 2-Methylnaphthalene | 8.49 | 142 | 377047 | 35.234 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.65 | 216 | 126625 | 36.977 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.64 | 237 | 4230 | 9.833 | ng | | 96 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097180.D
Acq On : 29 Jul 2017 3:29
Operator : SJ/JU
Sample : I4456-15MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-18D24MSD

Quant Time: Jul 29 04:50:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.77 | 196 | 87748 | 35.359 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.82 | 196 | 88429 | 35.601 | ng | | 94 |
| 45) 1,1'-Biphenyl | 8.95 | 154 | 418481 | 38.176 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.97 | 162 | 307420 | 38.109 | ng | | 93 |
| 47) 2-Nitroaniline | 9.07 | 65 | 114541 | 39.125 | ng | | 95 |
| 48) Acenaphthylene | 9.37 | 152 | 439606 | 35.504 | ng | | 100 |
| 49) Dimethylphthalate | 9.25 | 163 | 484577 | 49.721 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.32 | 165 | 65099 | 31.494 | ng | # | 84 |
| 51) Acenaphthene | 9.55 | 154 | 245774 | 33.698 | ng | | 98 |
| 52) 3-Nitroaniline | 9.48 | 138 | 88091 | 34.334 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.62 | 184 | 1707 | 1.816 | ng | # | 72 |
| 54) Dibenzofuran | 9.72 | 168 | 368380 | 37.920 | ng | | 99 |
| 55) 4-Nitrophenol | 9.67 | 139 | 90259 | 59.156 | ng | # | 63 |
| 56) 2,4-Dinitrotoluene | 9.72 | 165 | 71297 | 30.004 | ng | # | 56 |
| 57) Fluorene | 10.06 | 166 | 277207 | 37.966 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.85 | 232 | 60390 | 35.212 | ng | # | 96 |
| 59) Diethylphthalate | 9.95 | 149 | 322730 | 36.095 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.06 | 204 | 120551 | 39.983 | ng | | 97 |
| 61) 4-Nitroaniline | 10.09 | 138 | 91893 | 37.694 | ng | | 93 |
| 62) Azobenzene | 10.22 | 77 | 280213 | 33.782 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.14 | 198 | 3758 | 3.039 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.17 | 169 | 244950 | 35.381 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.55 | 248 | 69029 | 34.763 | ng | | 93 |
| 67) Hexachlorobenzene | 10.61 | 284 | 69924 | 31.402 | ng | # | 85 |
| 68) Atrazine | 10.71 | 200 | 64046 | 32.261 | ng | | 96 |
| 69) Pentachlorophenol | 10.81 | 266 | 57203 | 62.087 | ng | | 96 |
| 70) Phenanthrene | 11.02 | 178 | 404977 | 37.986 | ng | | 99 |
| 71) Anthracene | 11.06 | 178 | 390985 | 35.807 | ng | | 98 |
| 72) Carbazole | 11.23 | 167 | 384825 | 35.835 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.57 | 149 | 464233 | 34.972 | ng | | 98 |
| 74) Fluoranthene | 12.20 | 202 | 473532 | 45.339 | ng | | 98 |
| 76) Benzidine | 12.33 | 184 | 301328 | 48.524 | ng | # | 92 |
| 77) Pyrene | 12.42 | 202 | 518005 | 37.807 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.05 | 149 | 203803 | 29.242 | ng | # | 78 |
| 80) Benzo(a)anthracene | 13.61 | 228 | 395583 | 36.530 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.57 | 252 | 129289 | 31.660 | ng | # | 97 |
| 82) Chrysene | 13.64 | 228 | 385349 | 36.443 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.62 | 149 | 277673 | 30.514 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.23 | 149 | 494948 | 29.639 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 16.19 | 276 | 229205 | 25.279 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.61 | 252 | 355634 | 41.477 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.63 | 252 | 246852 | 30.213 | ng | # | 96 |
| 89) Benzo(a)pyrene | 14.92 | 252 | 287203 | 36.599 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.20 | 278 | 176090 | 27.364 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.55 | 276 | 187968 | 27.854 | ng | | 99 |

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

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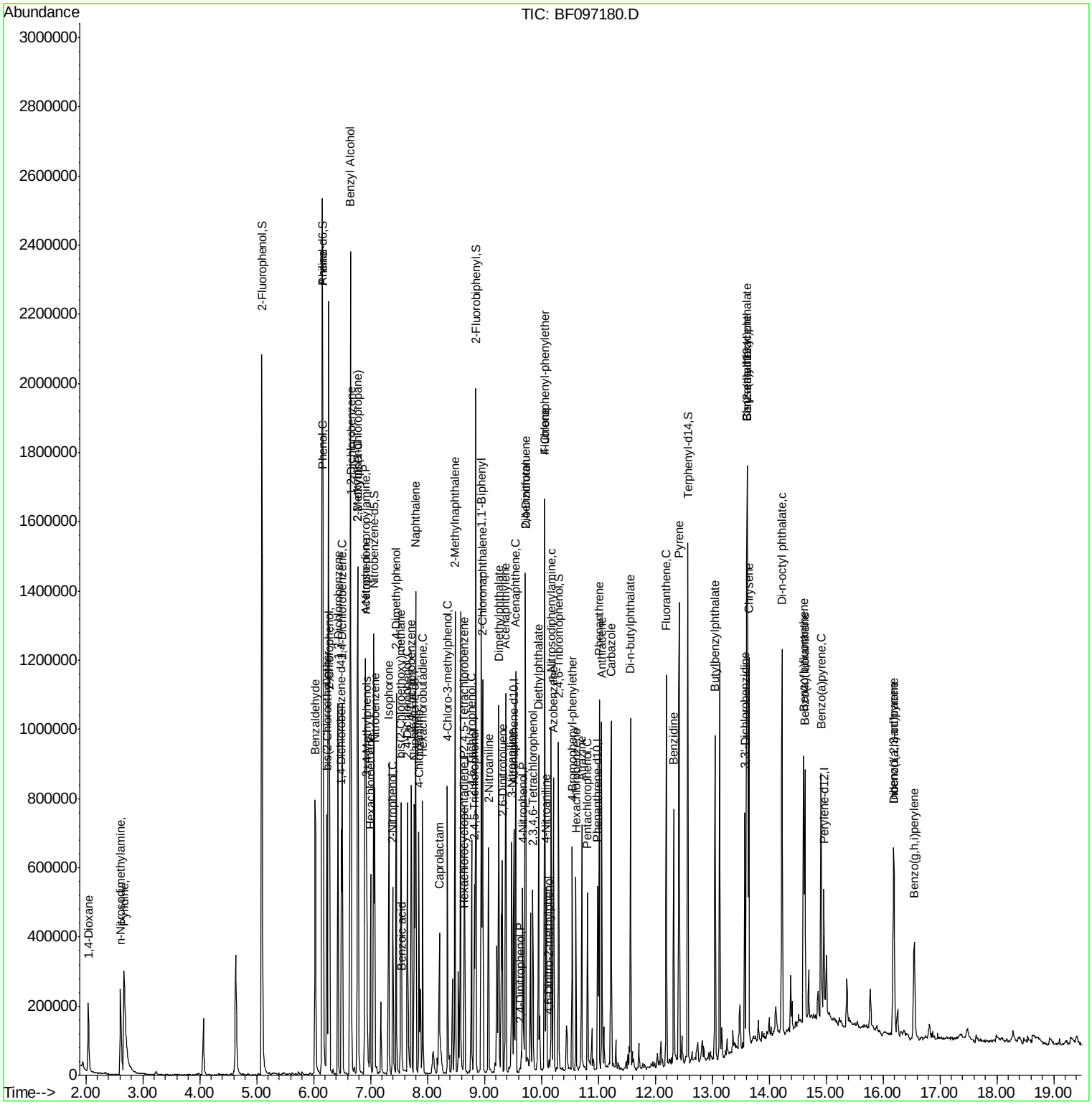
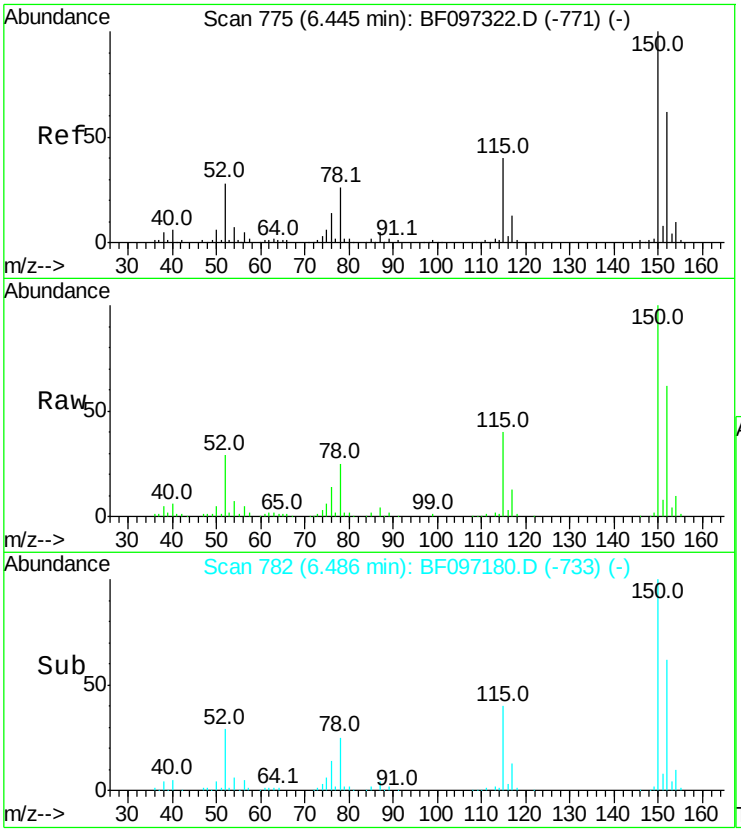
Acq On : 29 Jul 2017 3:29
Operator : SJ/JU
Sample : I4456-15MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Quant Time: Jul 29 04:50:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



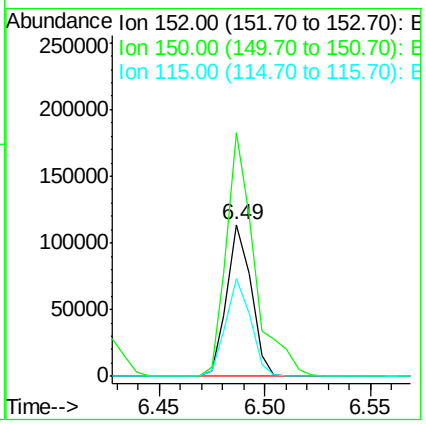


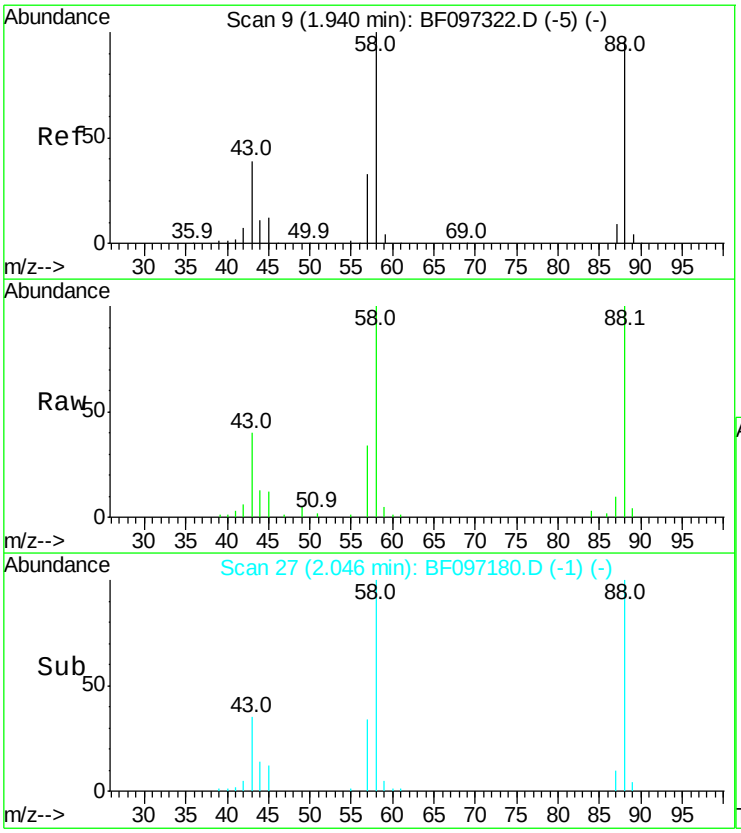

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:152 Resp: 91110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.6 | 126.2 | 189.2 |
| 115 | 64.6 | 52.2 | 78.2 |

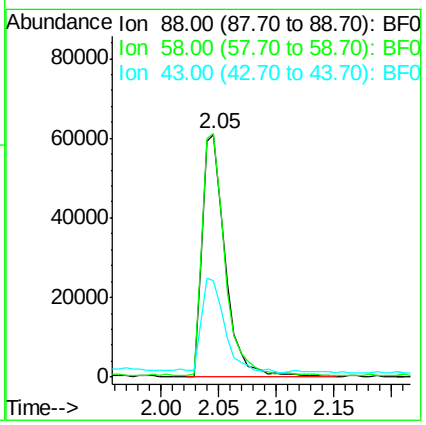


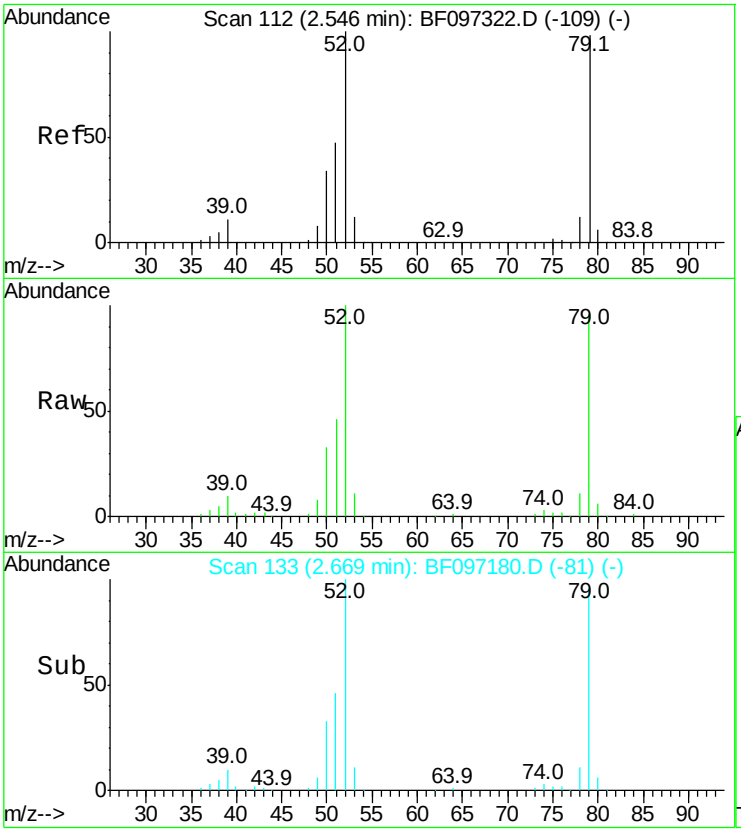




#2
1,4-Dioxane
Concen: 33.746 ng
RT: 2.05 min Scan# 27
Delta R.T. -0.00 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 88 Resp: 85113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 98.6 | 61.4 | 92.0# |
| 43 | 40.3 | 23.4 | 35.0# |



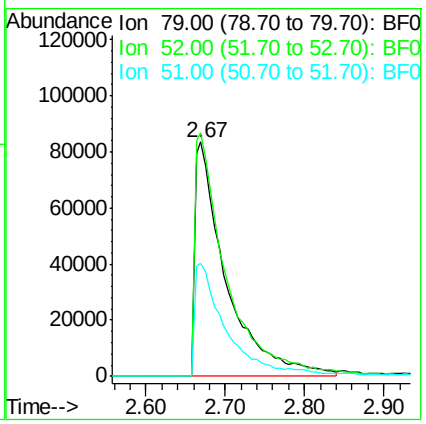


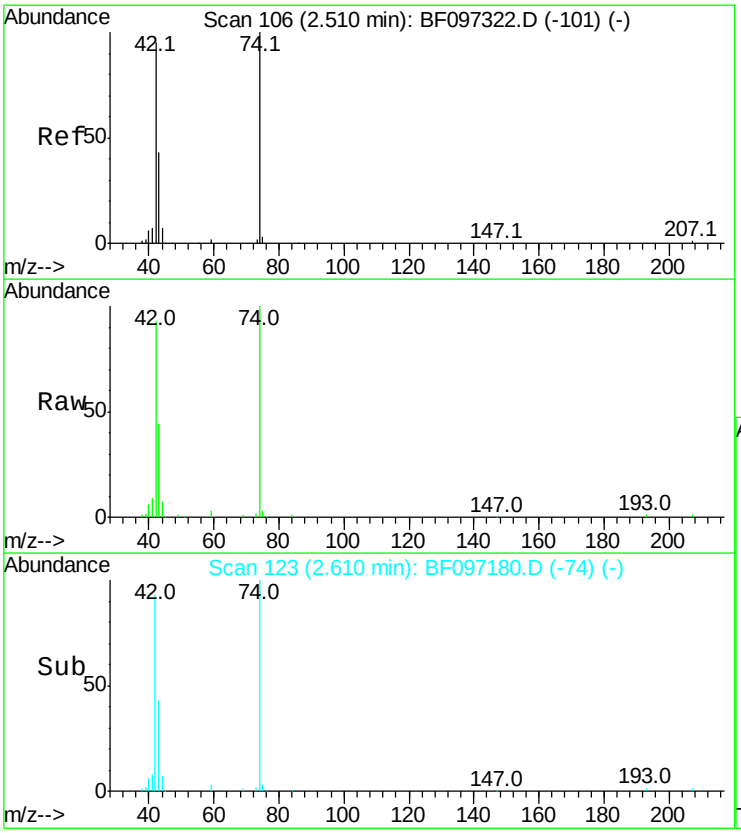

#3
Pyridine
Concen: 29.768 ng
RT: 2.67 min Scan# 133
Delta R.T. 0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 79 Resp: 229902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 103.9 | 54.8 | 82.2# |
| 51 | 48.2 | 27.0 | 40.4# |

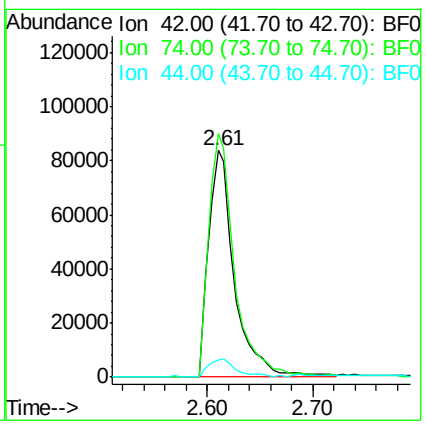


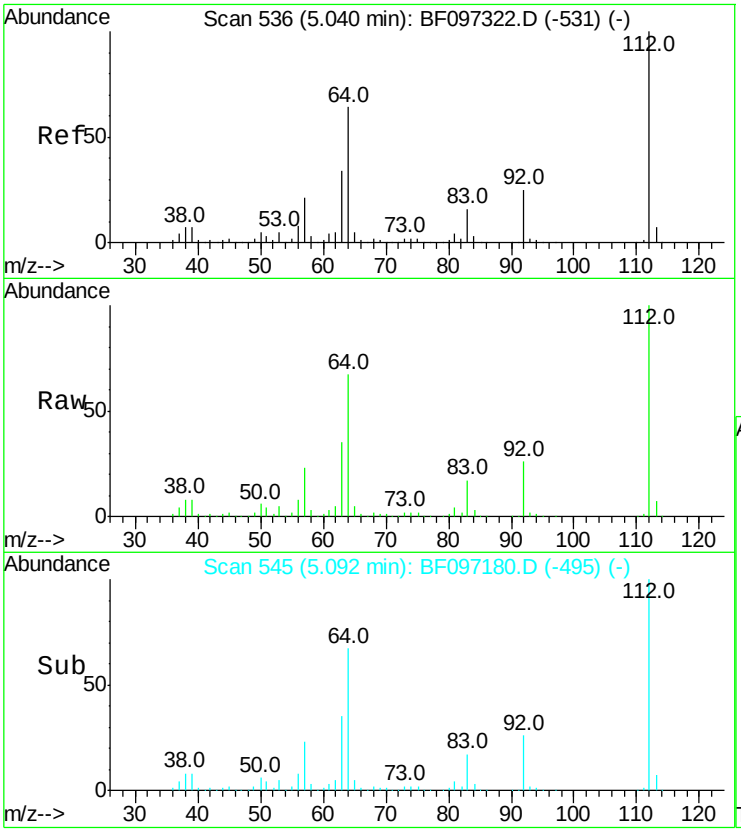




#4
n-Nitrosodimethylamine
Concen: 33.756 ng
RT: 2.61 min Scan# 123
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 42 Resp: 144428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 107.3 | 103.9 | 155.9 |
| 44 | 7.7 | 5.7 | 8.5 |



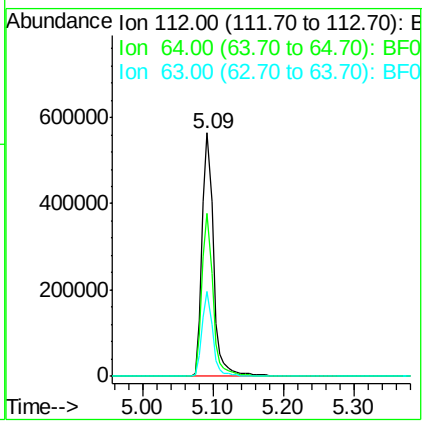


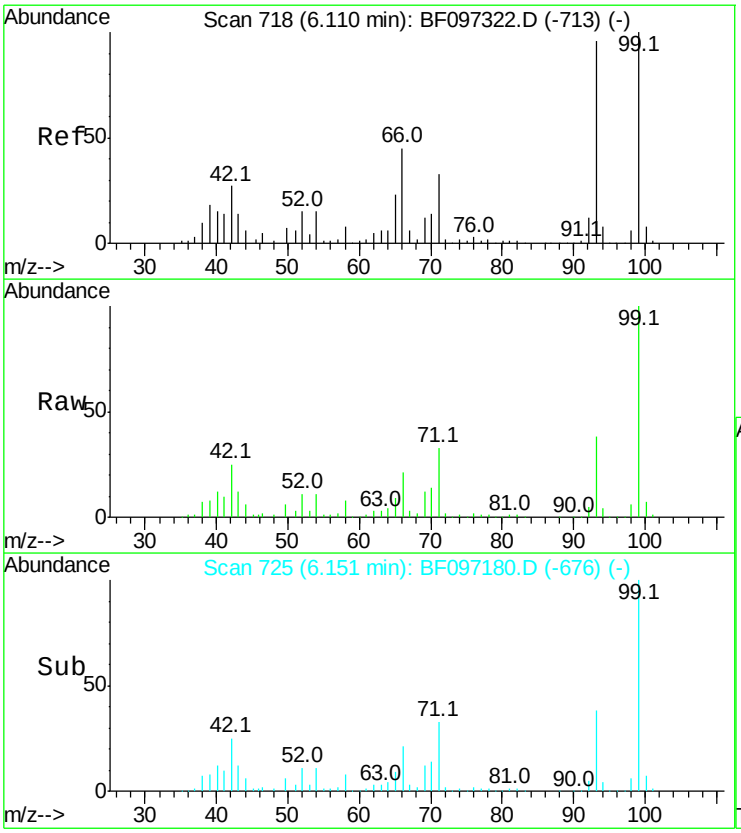

#5
2-Fluorophenol
Concen: 105.394 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:112 Resp: 636981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.7 | 46.0 | 69.0 |
| 63 | 34.6 | 23.4 | 35.0 |

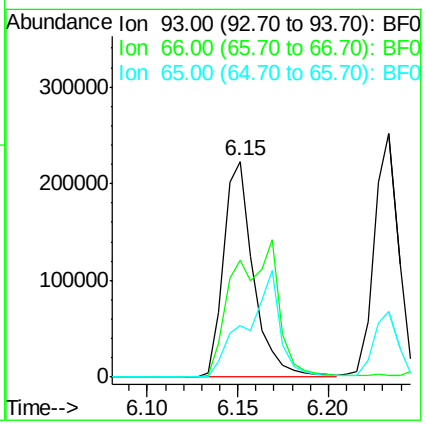


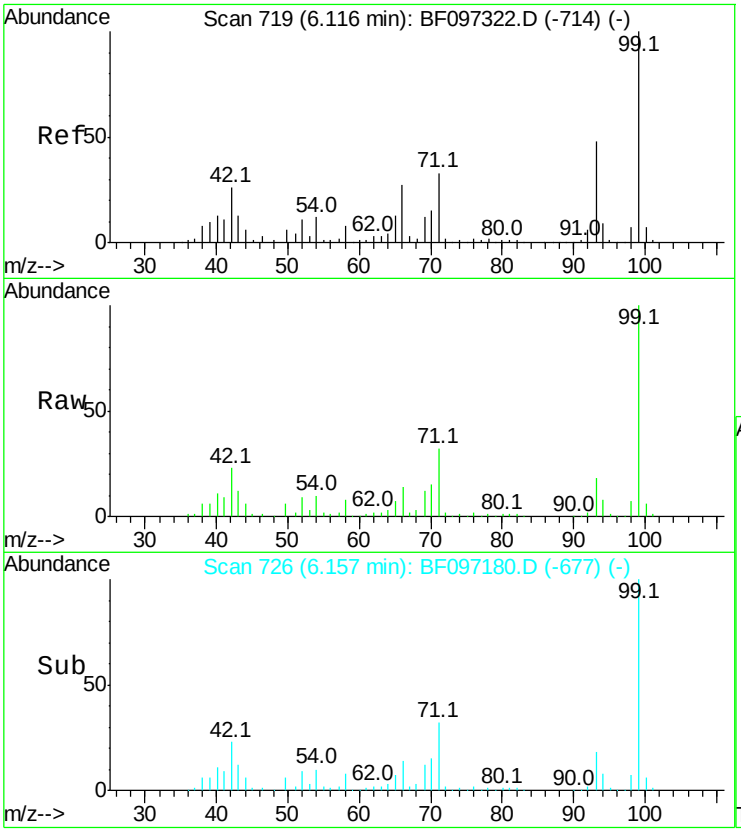




#6
Aniline
Concen: 29.488 ng
RT: 6.15 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 93 Resp: 256027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 54.4 | 32.9 | 49.3# |
| 65 | 24.0 | 16.0 | 24.0# |



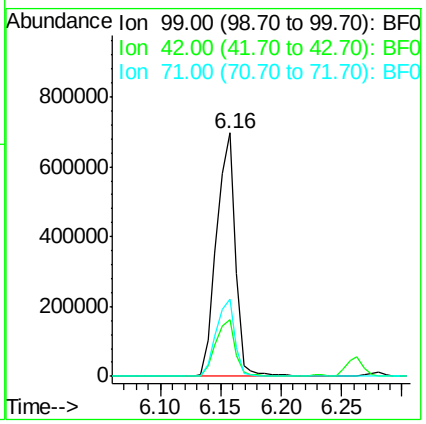


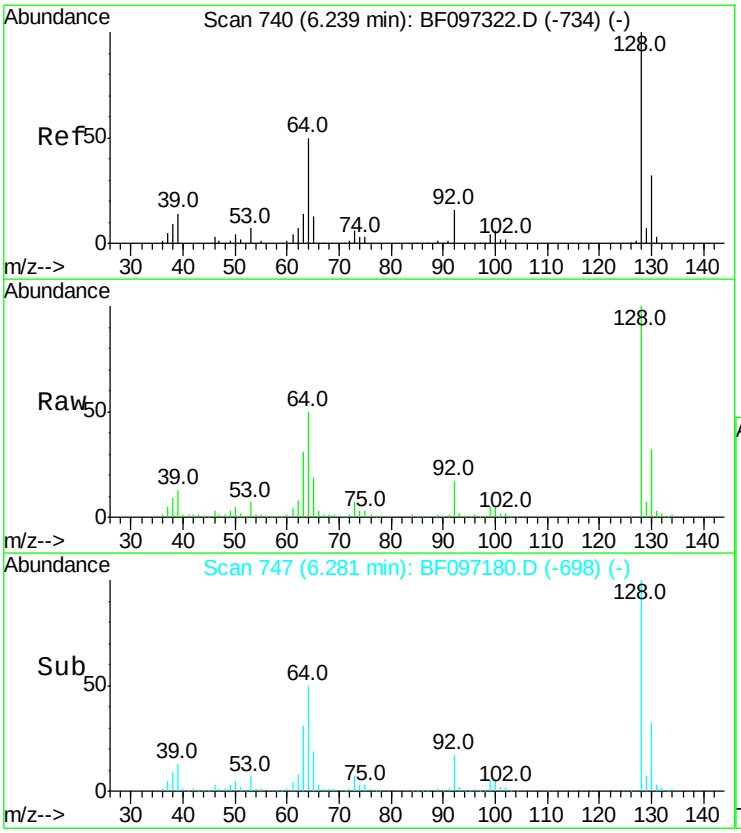

#7
Phenol-d6
Concen: 108.744 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 99 Resp: 750308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.2 | 13.5 | 20.3# |
| 71 | 31.8 | 24.5 | 36.7 |

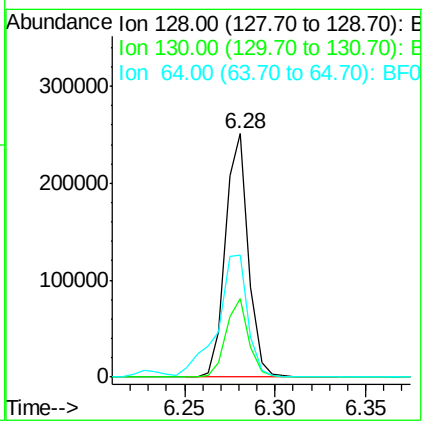


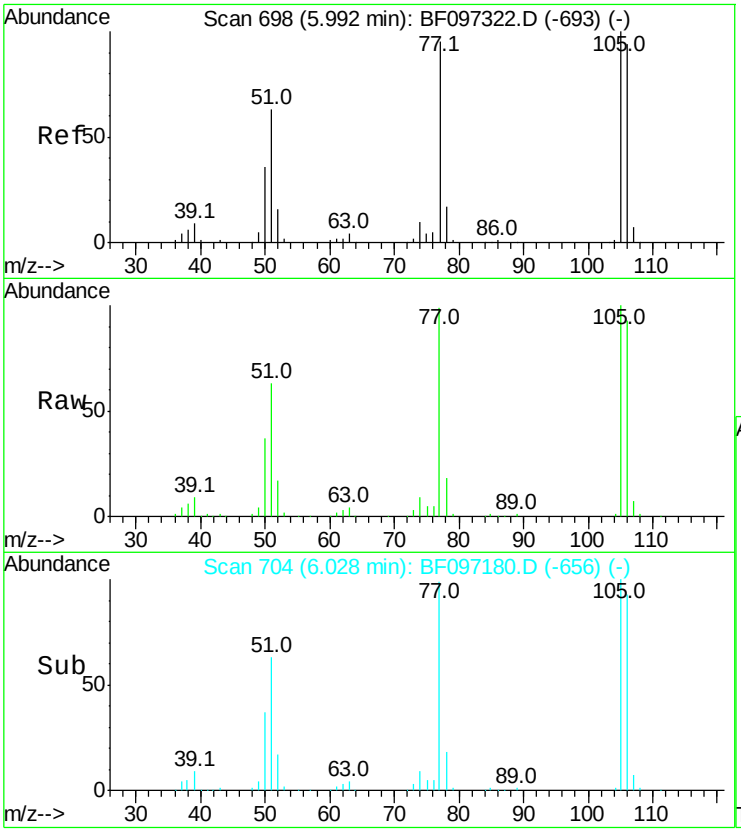




#8
2-Chlorophenol
Concen: 34.016 ng
RT: 6.28 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:128 Resp: 219829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.9 | 52.9 |
| 64 | 50.3 | 28.4 | 68.4 |



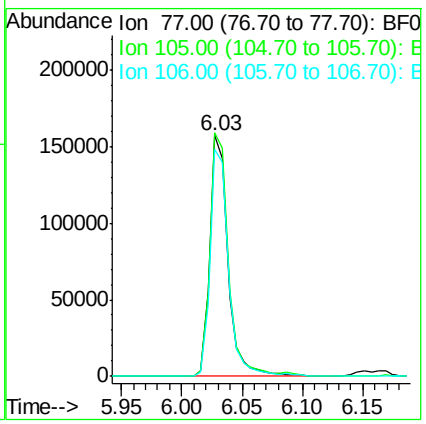


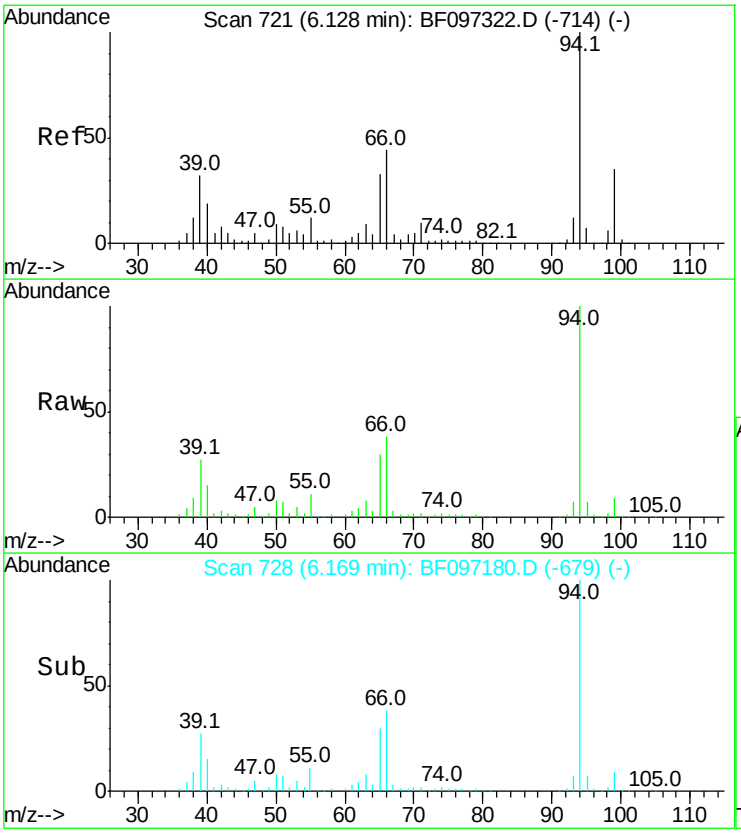

#9
Benzaldehyde
Concen: 39.796 ng
RT: 6.03 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 77 Resp: 162526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.1 | 83.8 | 123.8 |
| 106 | 94.3 | 79.1 | 119.1 |

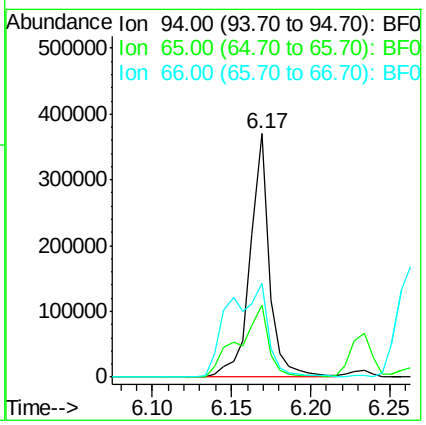


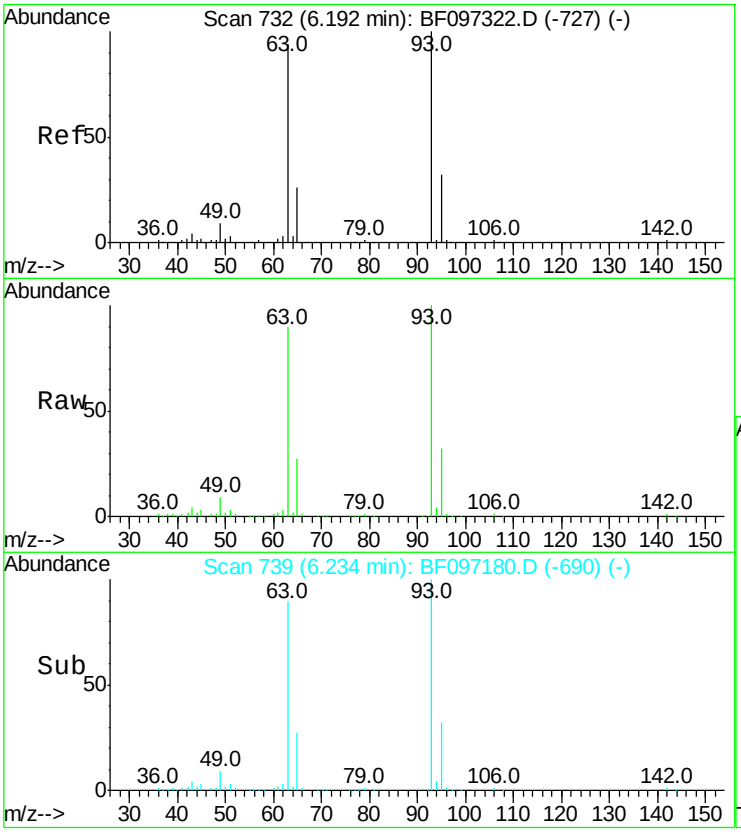




#10
Phenol
Concen: 38.061 ng
RT: 6.17 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 94 Resp: 311496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.7 | 9.9 | 49.9 |
| 66 | 38.4 | 23.1 | 63.1 |



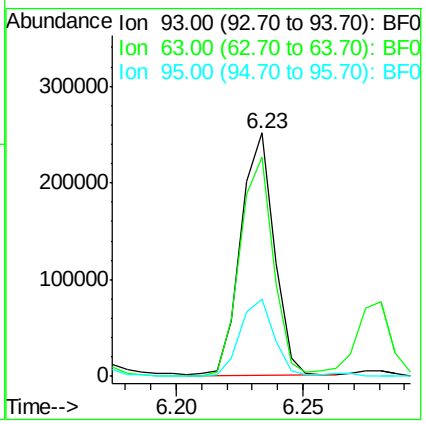


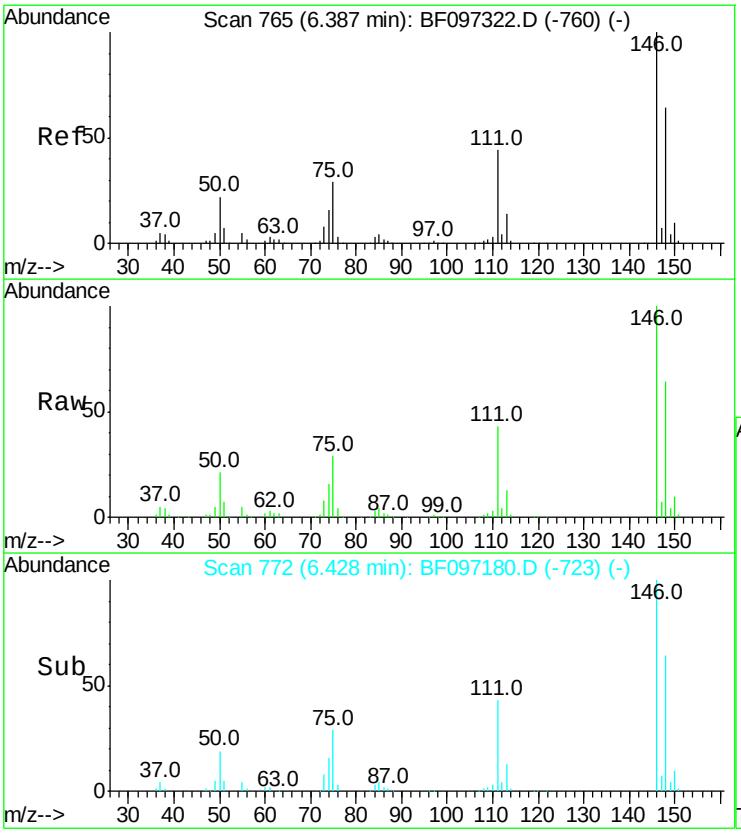

#11
bis(2-Chloroethyl)ether
Concen: 35.470 ng
RT: 6.23 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 93 Resp: 229597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 89.9 | 59.2 | 99.2 |
| 95 | 31.6 | 12.8 | 52.8 |

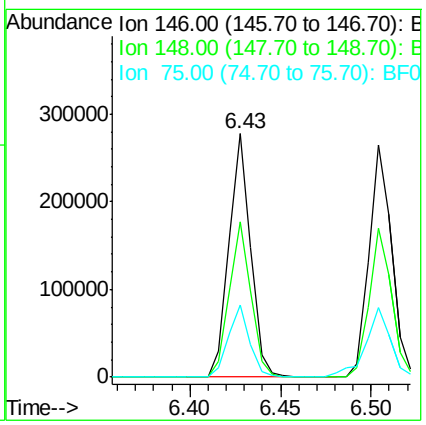


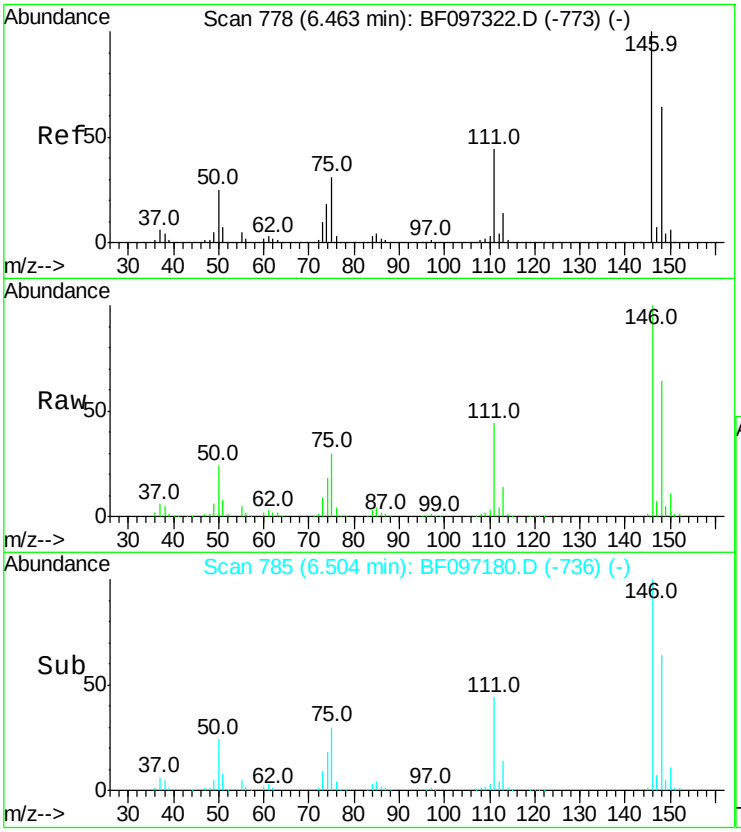




#12
1,3-Dichlorobenzene
Concen: 33.313 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:146 Resp: 232010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.8 | 77.6 |
| 75 | 29.5 | 23.1 | 34.7 |



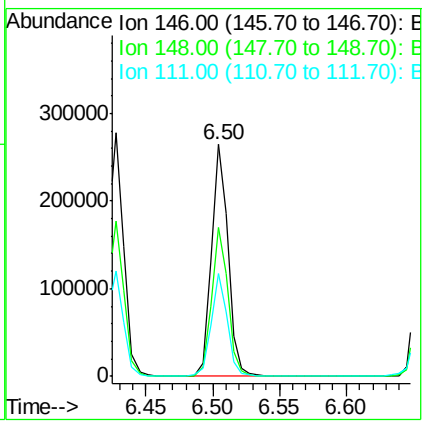


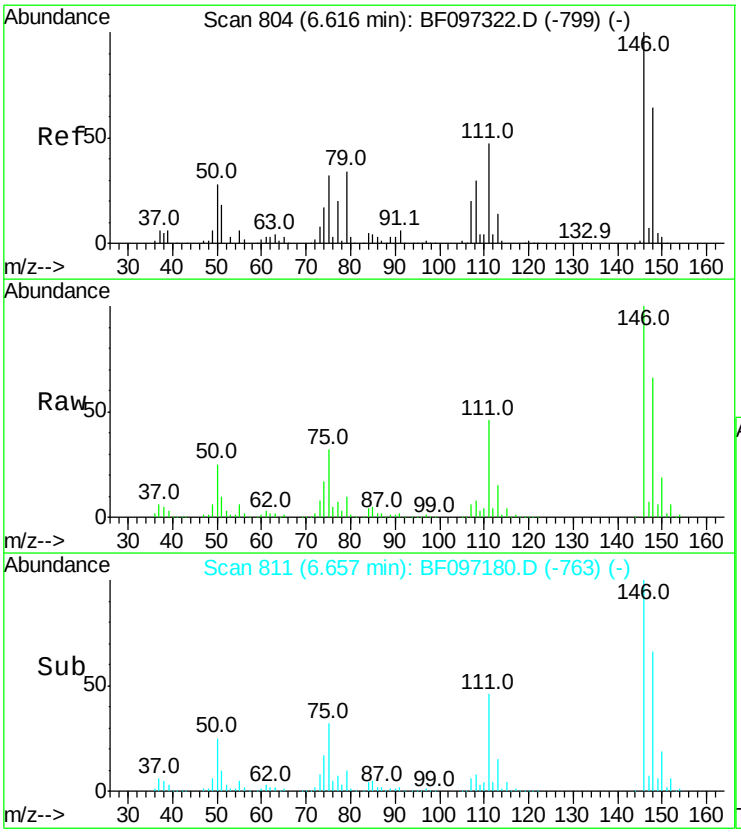

#13
1,4-Dichlorobenzene
Concen: 33.743 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:146 Resp: 232890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 52.2 | 78.2 |
| 111 | 44.3 | 30.3 | 45.5 |

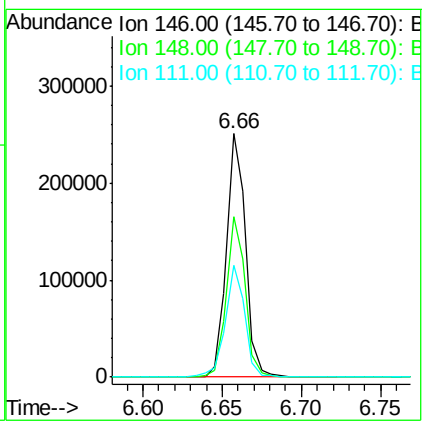


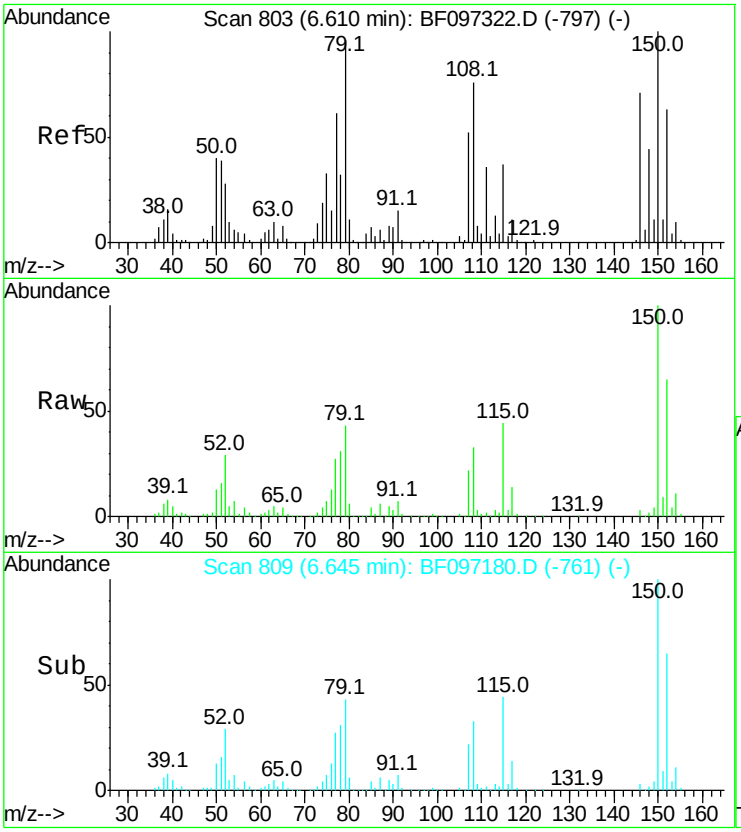




#14
1,2-Dichlorobenzene
Concen: 34.696 ng
RT: 6.66 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:146 Resp: 209093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.8 | 50.4 | 75.6 |
| 111 | 46.2 | 38.2 | 57.4 |



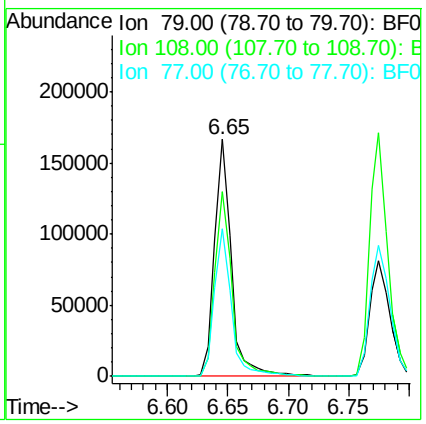


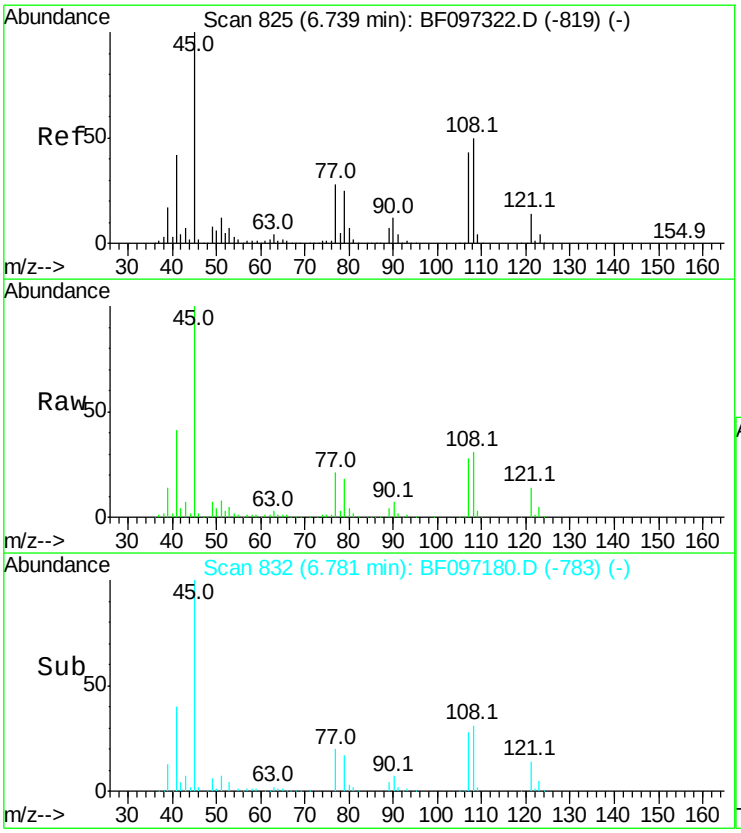

#15
Benzyl Alcohol
Concen: 36.471 ng
RT: 6.65 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 79 Resp: 159321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.9 | 63.4 | 95.0 |
| 77 | 62.5 | 49.2 | 73.8 |

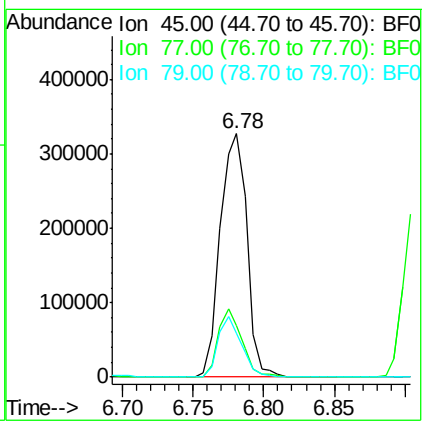


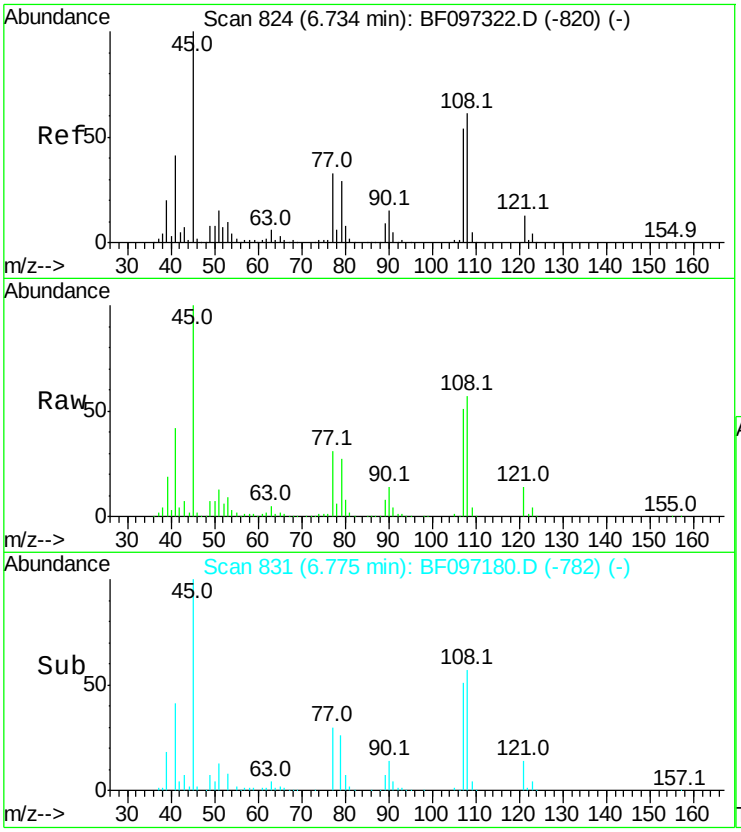




#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.040 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 45 Resp: 428959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 20.9 | 0.0 | 33.2 |
| 79 | 18.1 | 0.0 | 30.0 |



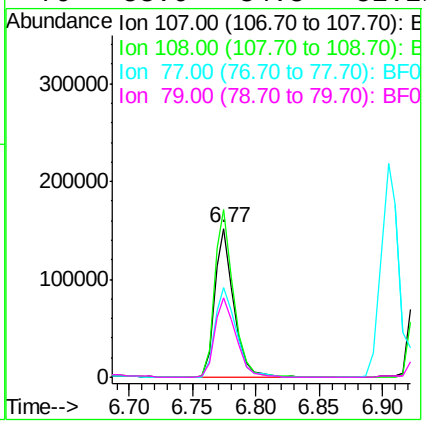


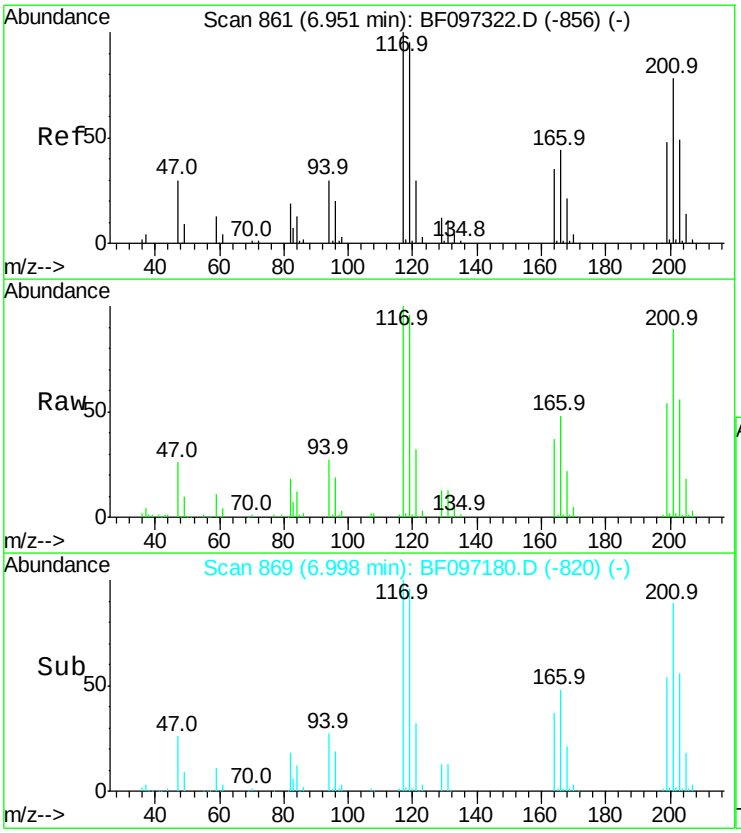

#17
2-Methylphenol
Concen: 32.027 ng
RT: 6.77 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:107 Resp: 159741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 93.4 | 140.0 |
| 77 | 60.5 | 35.8 | 53.6# |
| 79 | 53.6 | 34.8 | 52.2# |

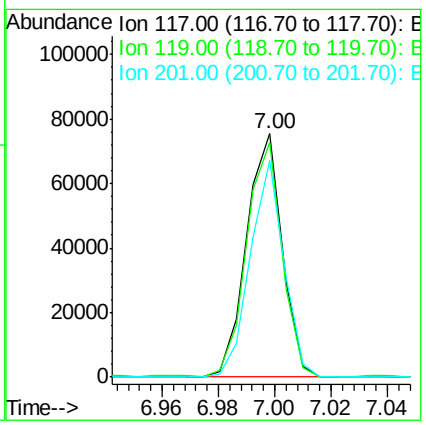


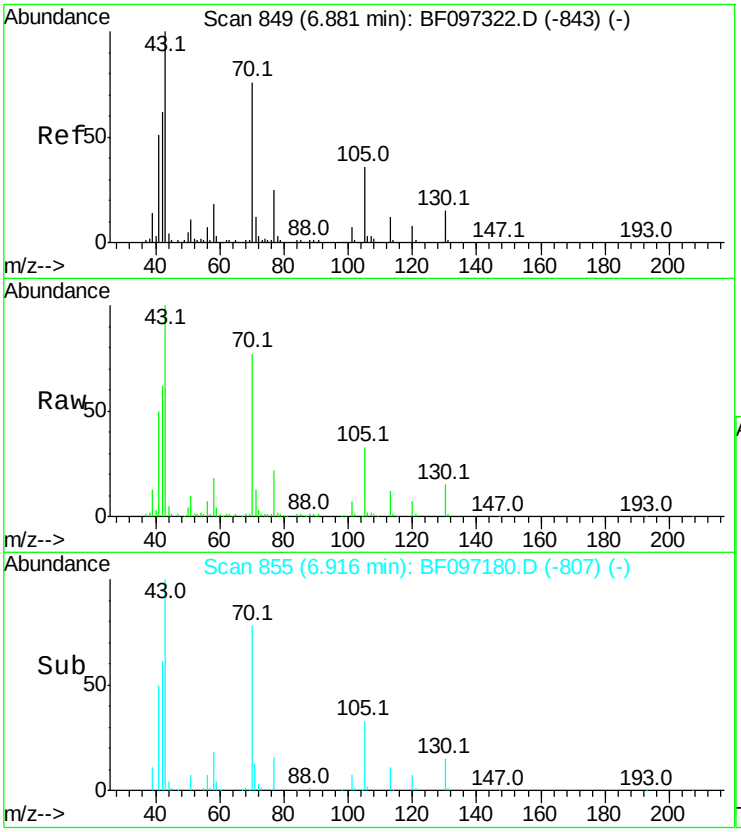




#18
Hexachloroethane
Concen: 26.156 ng
RT: 7.00 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:117 Resp: 66045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 77.4 | 116.0 |
| 201 | 89.2 | 94.6 | 141.8# |



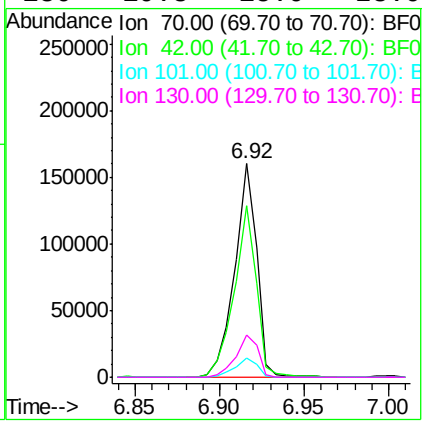


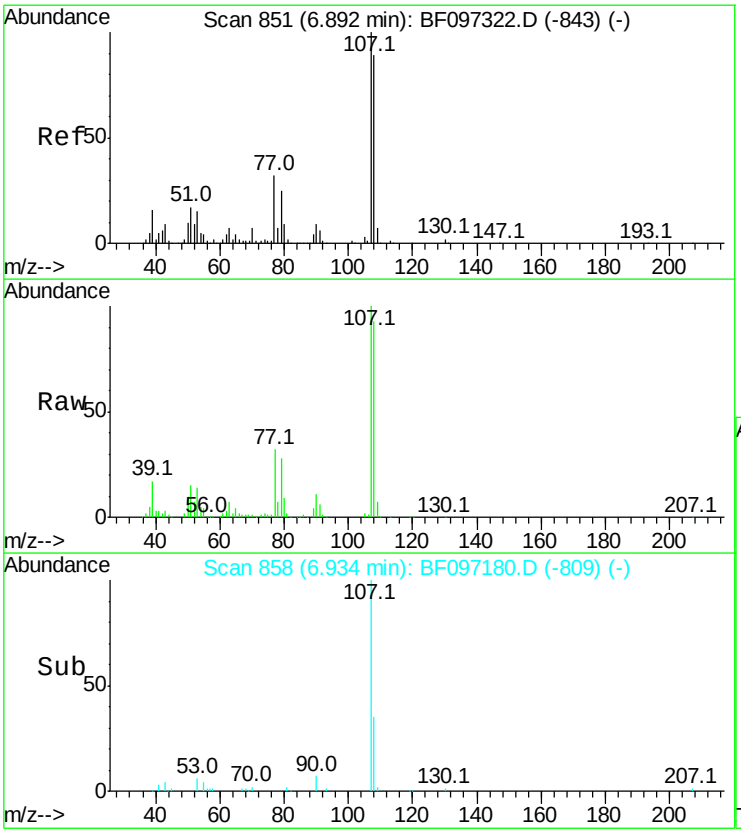

#19
n-Nitroso-di-n-propylamine
Concen: 32.041 ng
RT: 6.92 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 70 Resp: 145519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 80.5 | 47.2 | 70.8# |
| 101 | 9.0 | 7.2 | 10.8 |
| 130 | 19.8 | 15.9 | 23.9 |

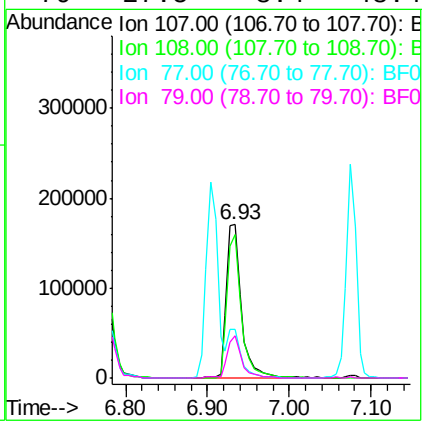


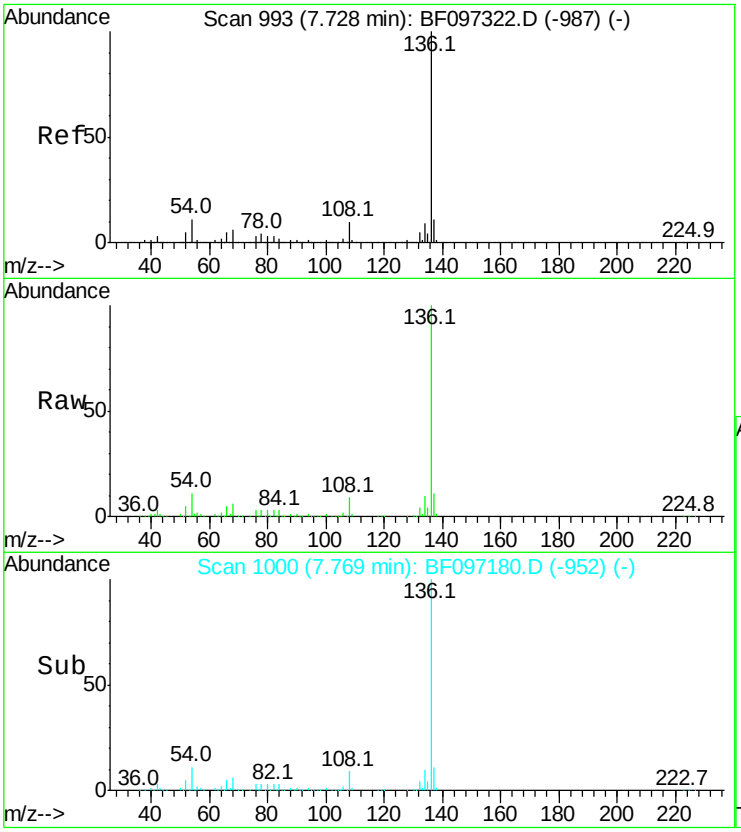




#20
3+4-Methylphenols
Concen: 33.499 ng
RT: 6.93 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:107 Resp: 218222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 93.3 | 71.0 | 111.0 |
| 77 | 31.7 | 90.5 | 130.5# |
| 79 | 27.5 | 8.4 | 48.4 |



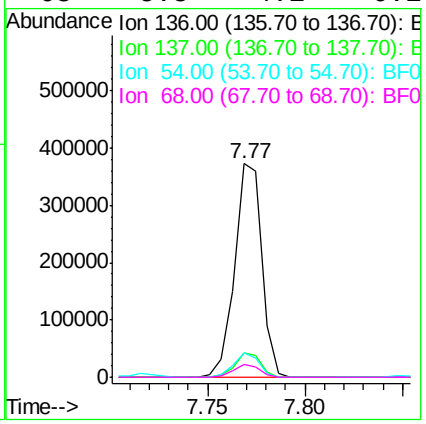


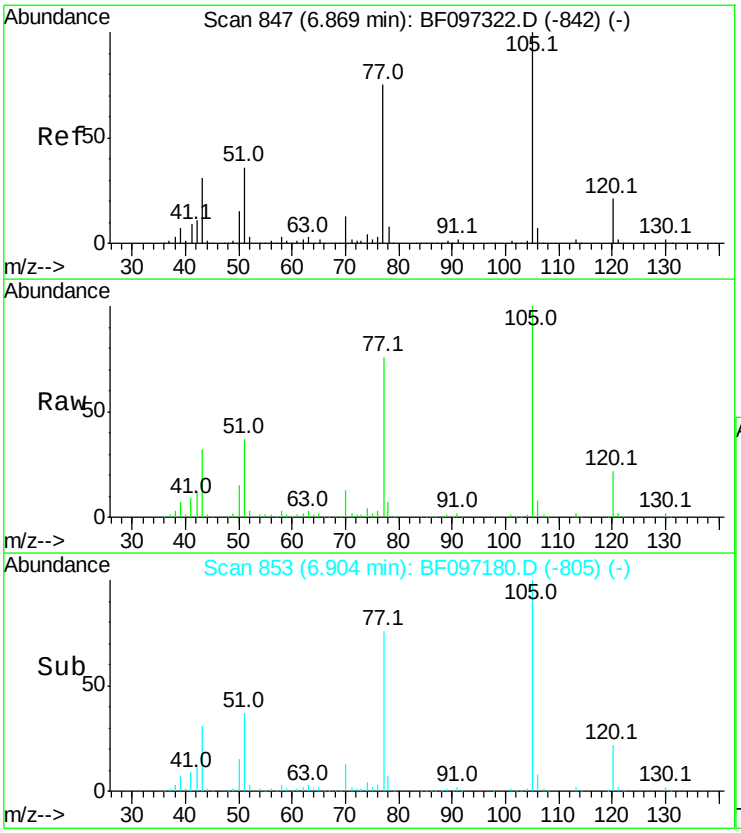

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:136 Resp: 358551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.5 | 12.7 |
| 54 | 11.3 | 4.9 | 7.3# |
| 68 | 5.8 | 4.1 | 6.1 |

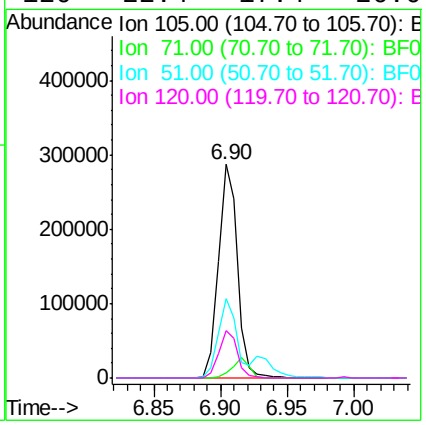


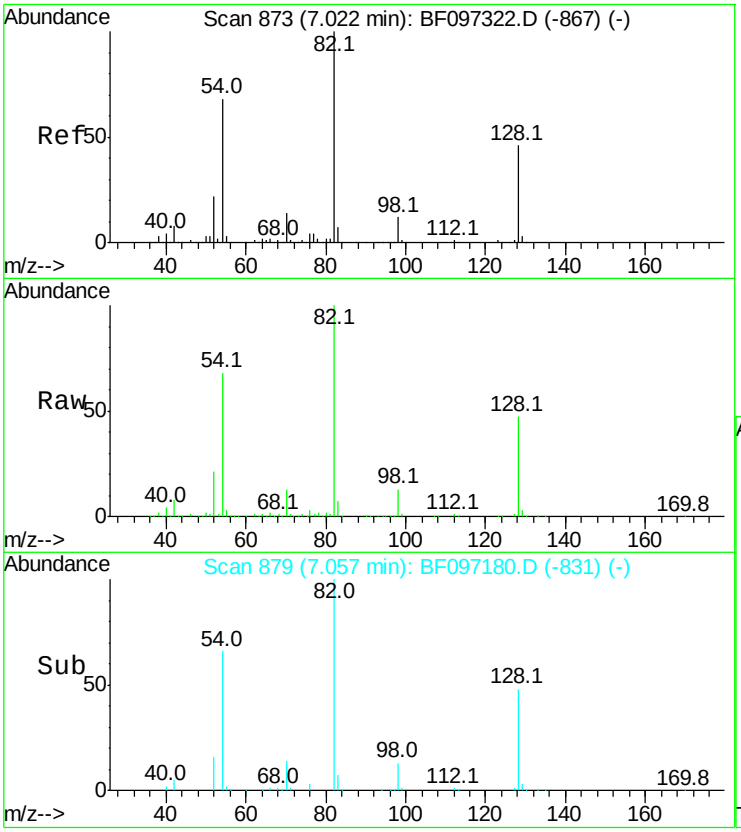




#22
Acetophenone
Concen: 33.535 ng
RT: 6.90 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:105 Resp: 288755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.3 | 2.8 | 4.2# |
| 51 | 36.9 | 30.7 | 46.1 |
| 120 | 22.4 | 17.4 | 26.0 |



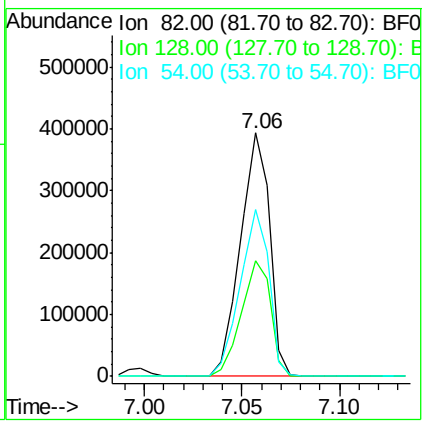


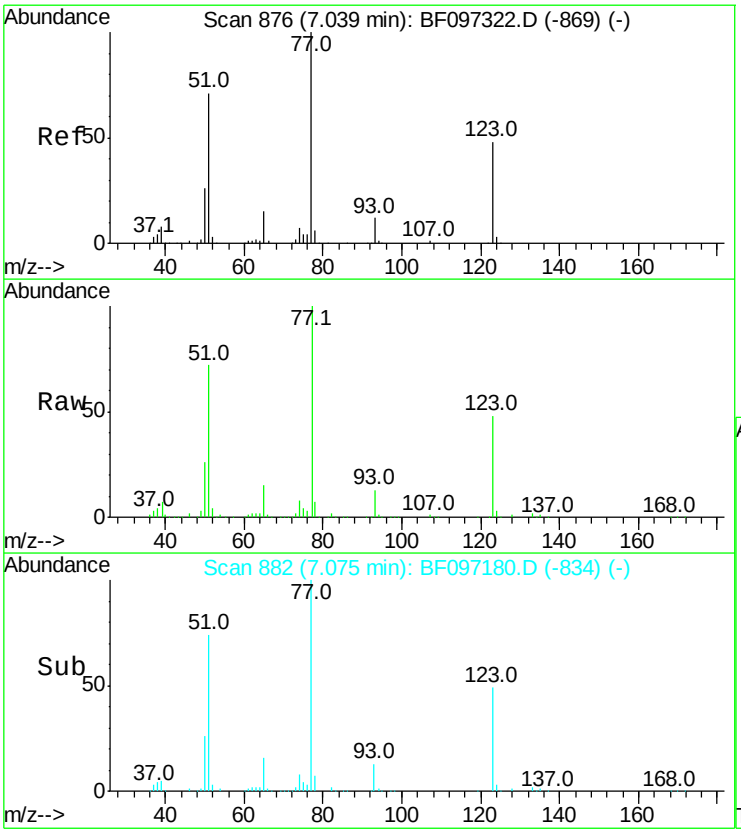

#23
Nitrobenzene-d5
Concen: 67.063 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 82 Resp: 409888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 34.0 | 51.0 |
| 54 | 68.5 | 42.2 | 63.2# |

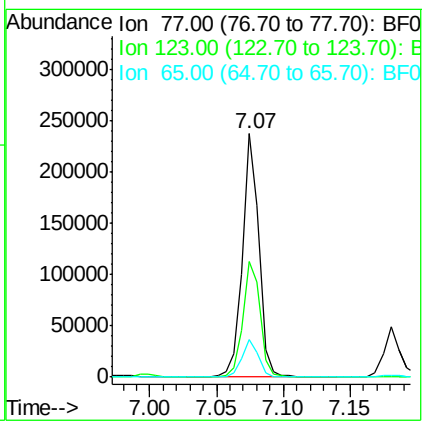


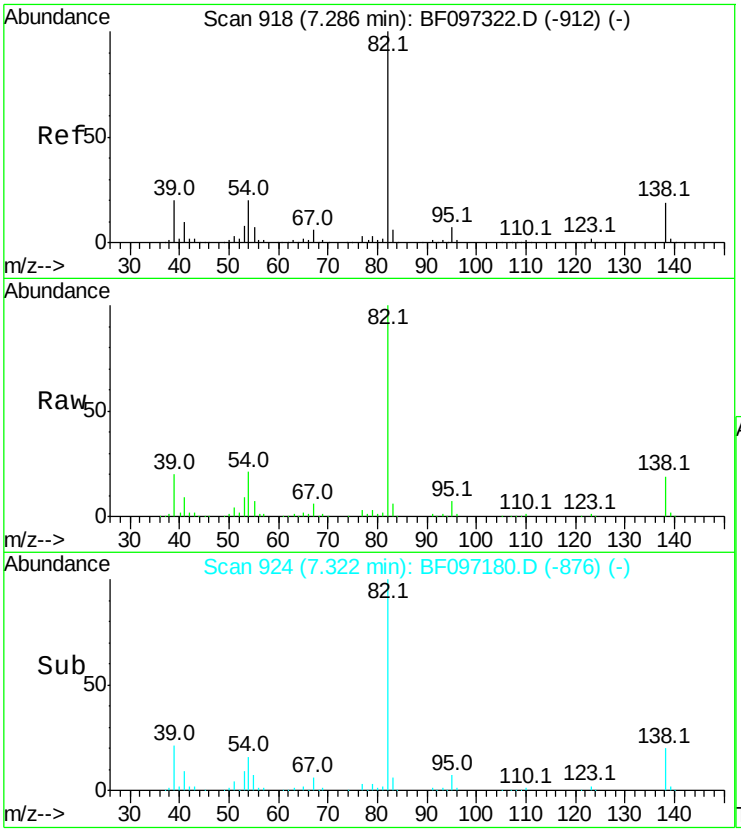




#24
Nitrobenzene
Concen: 31.957 ng
RT: 7.07 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 77 Resp: 203422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 35.8 | 53.8 |
| 65 | 15.2 | 10.6 | 15.8 |



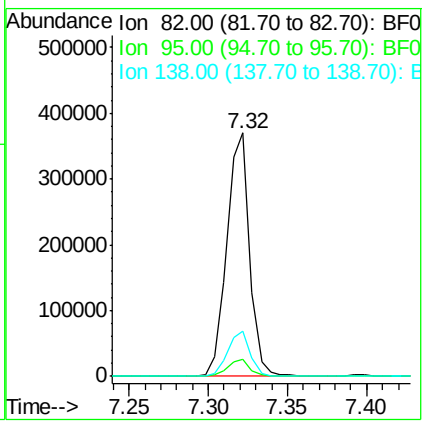


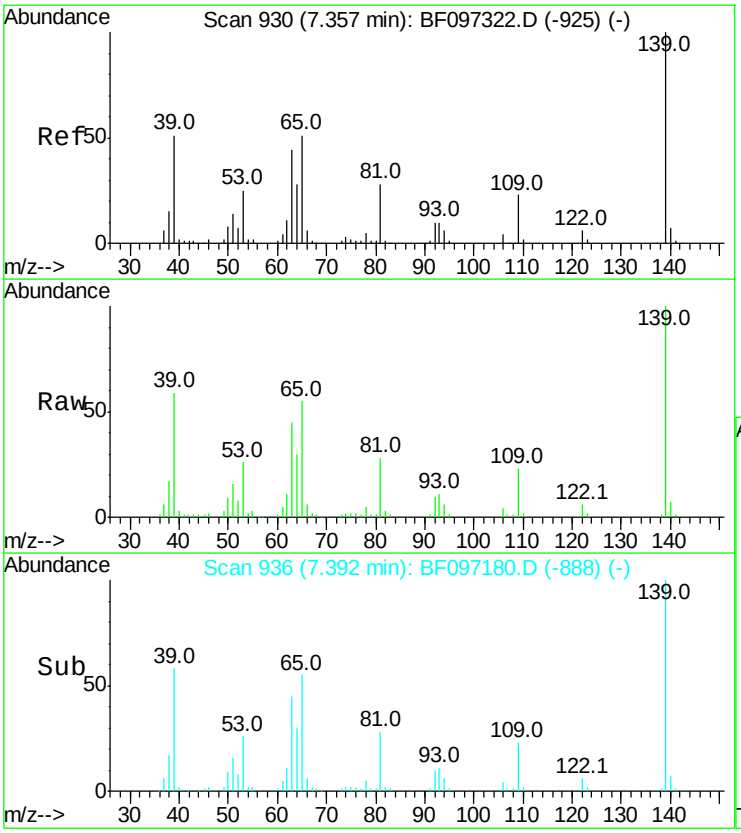

#25
Isophorone
Concen: 30.852 ng
RT: 7.32 min Scan# 924
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 82 Resp: 369284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 18.8 | 13.1 | 19.7 |

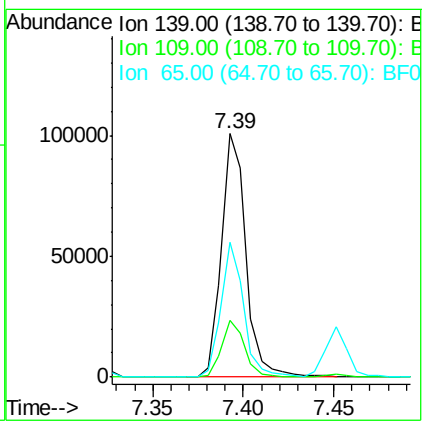


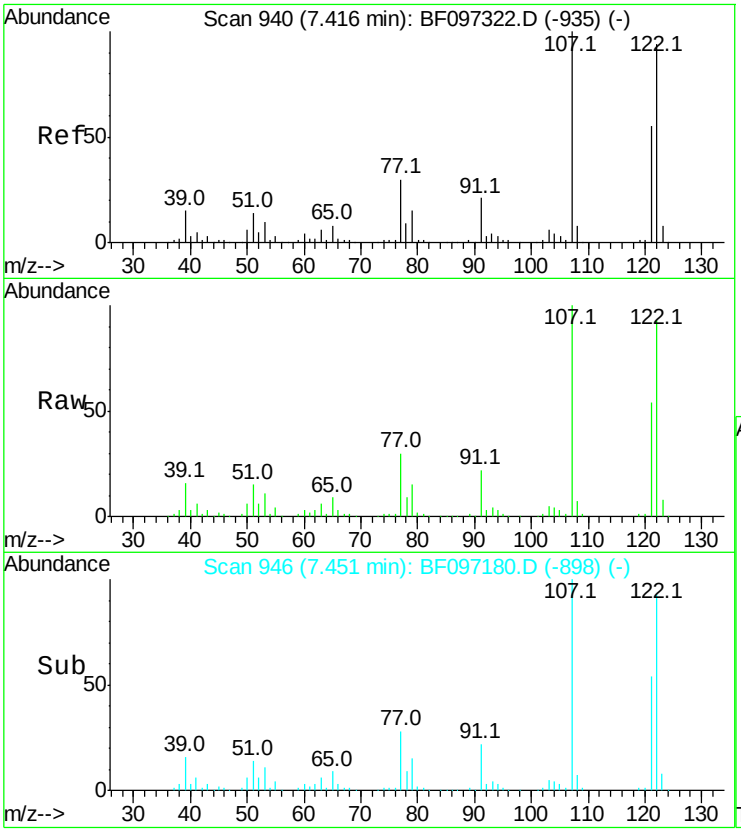




#26
2-Nitrophenol
Concen: 27.479 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:139 Resp: 94634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 23.5 | 21.0 | 31.6 |
| 65 | 55.5 | 33.0 | 49.6# |



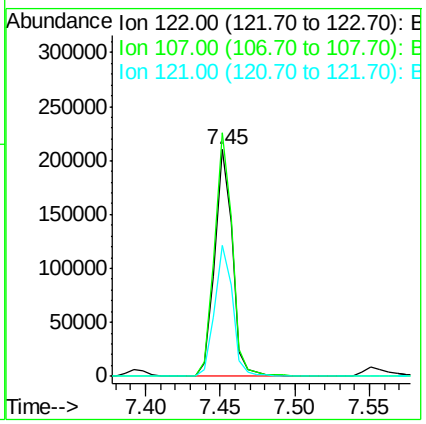


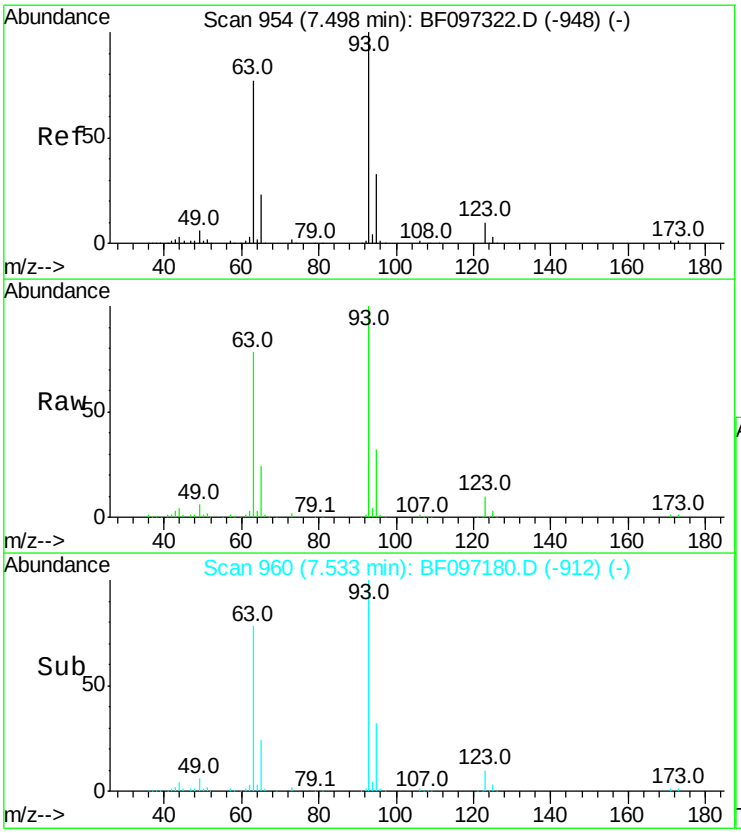

#27
2,4-Dimethylphenol
Concen: 30.866 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:122 Resp: 175349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 107.5 | 89.2 | 133.8 |
| 121 | 57.6 | 45.2 | 67.8 |

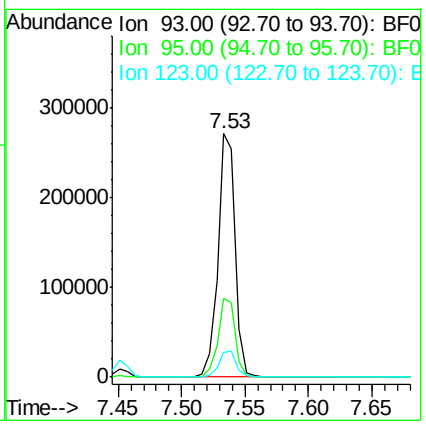


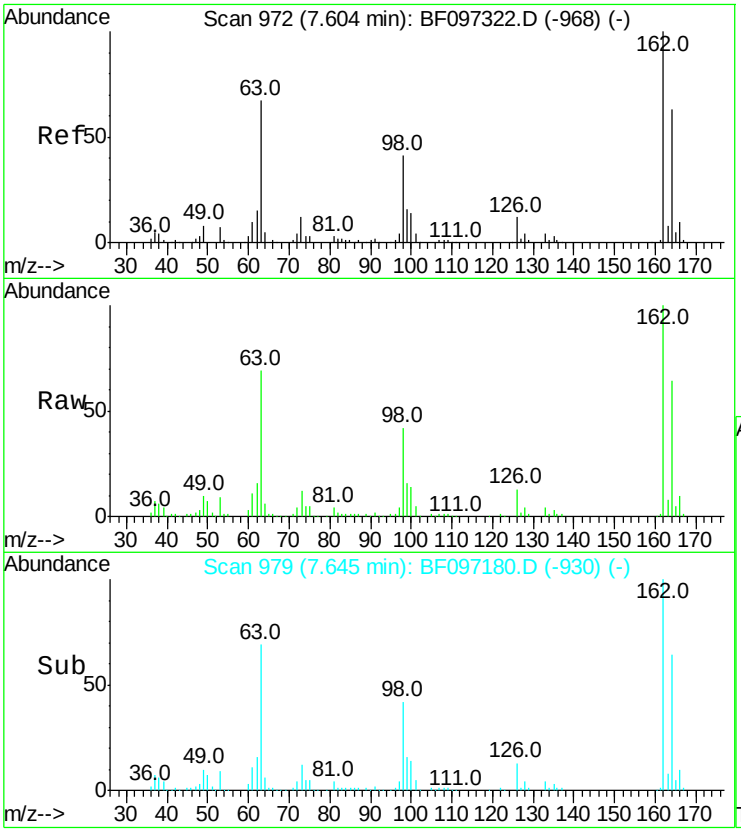




#28
bis(2-Chloroethoxy)methane
Concen: 32.883 ng
RT: 7.53 min Scan# 960
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 93 Resp: 256849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.5 | 39.7 |
| 123 | 10.2 | 9.0 | 13.4 |



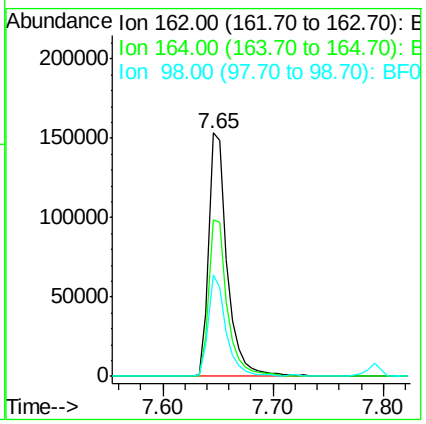


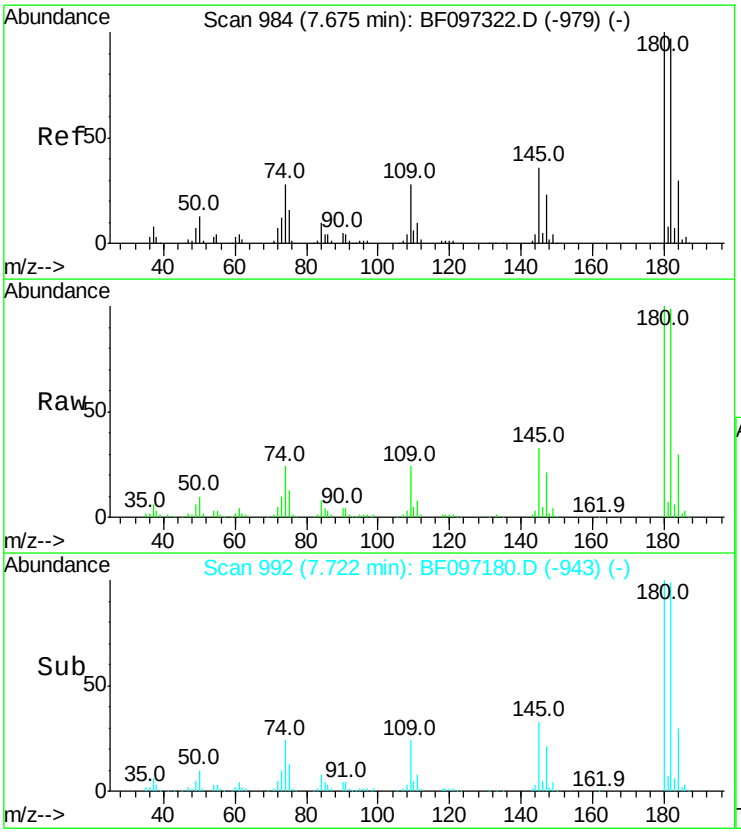

#29
2,4-Dichlorophenol
Concen: 35.894 ng
RT: 7.65 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:162 Resp: 175663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.3 | 44.6 | 84.6 |
| 98 | 41.6 | 14.8 | 54.8 |

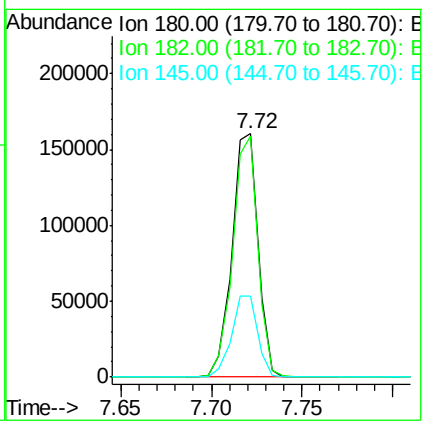


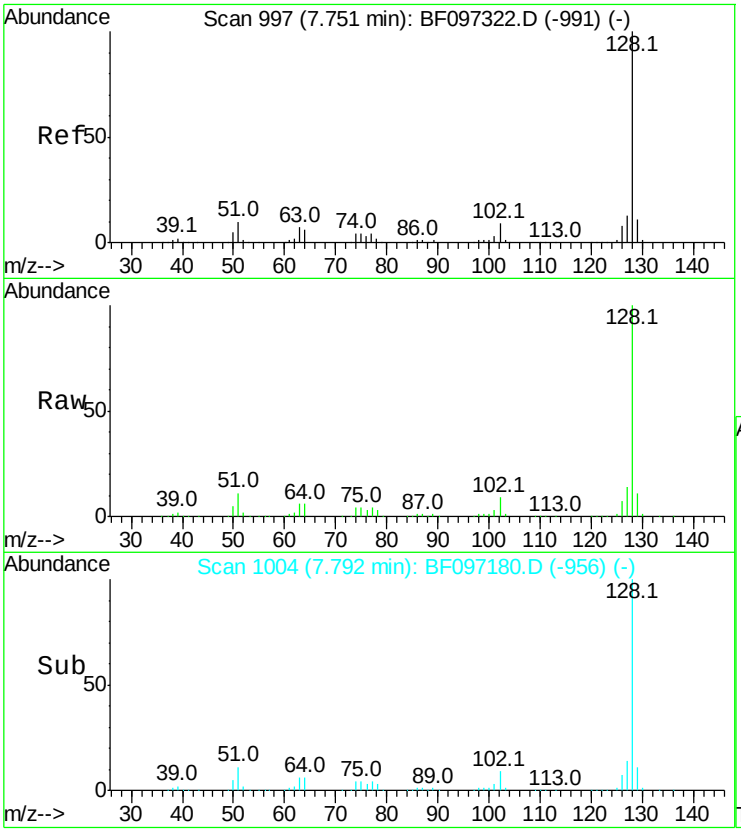




#30
1,2,4-Trichlorobenzene
Concen: 34.335 ng
RT: 7.72 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:180 Resp: 160167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.8 | 75.8 | 113.6 |
| 145 | 33.1 | 25.3 | 37.9 |



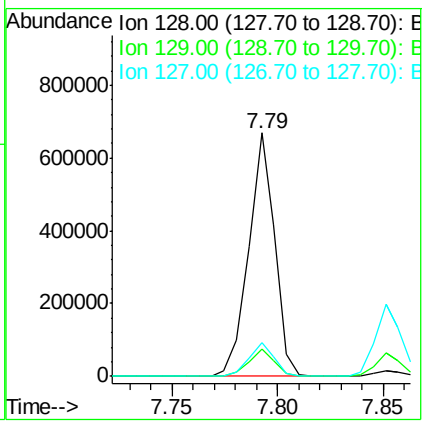


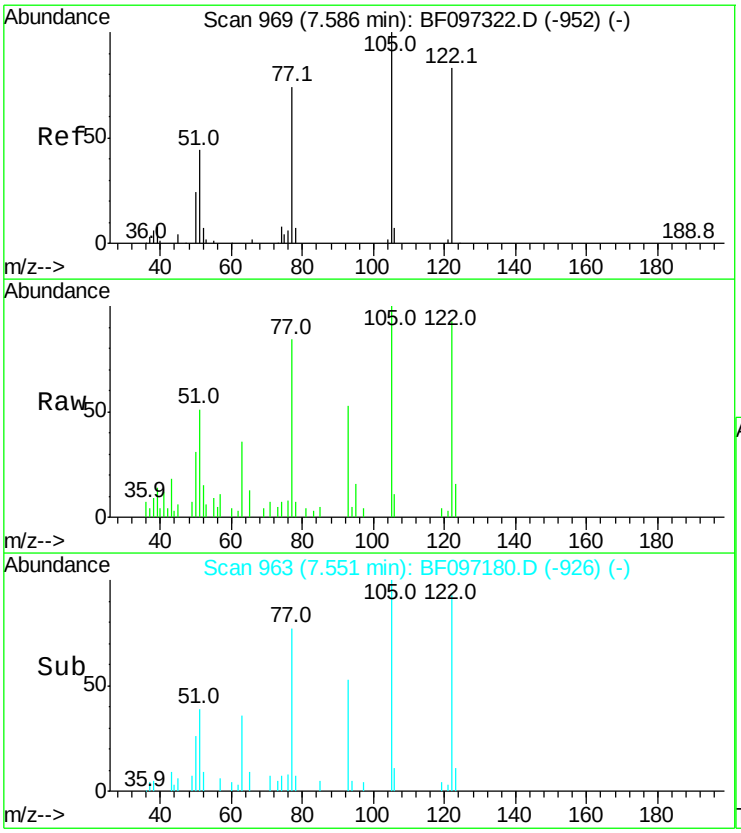

#31
Naphthalene
Concen: 33.924 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:128 Resp: 573375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.0 | 13.6 |
| 127 | 13.6 | 10.8 | 16.2 |

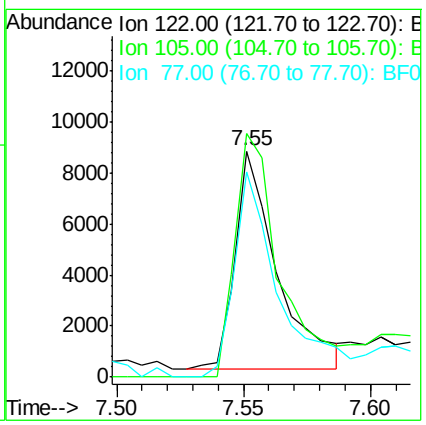


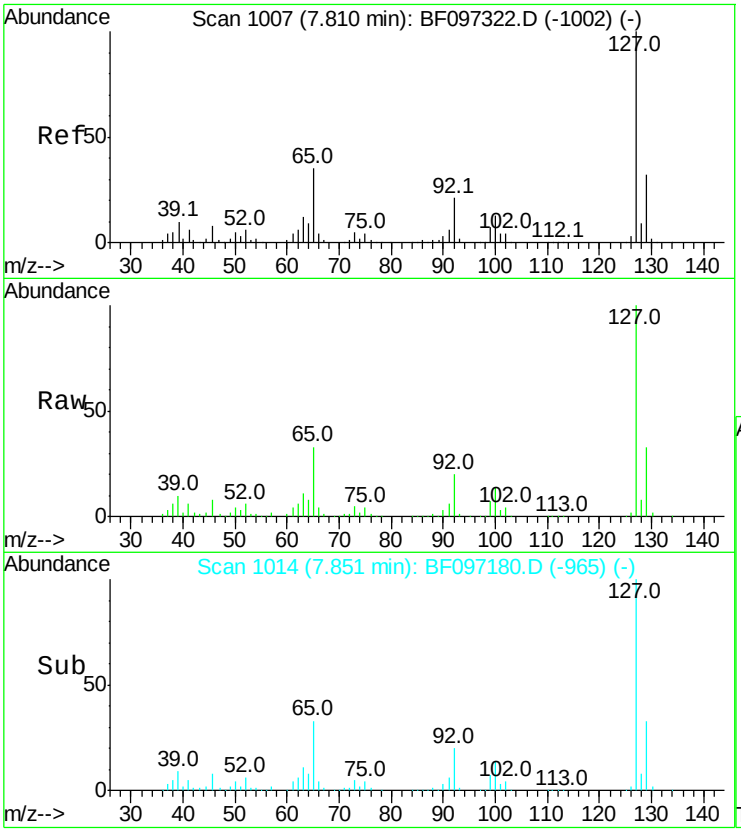




#32
Benzoic acid
Concen: 2.316 ng
RT: 7.55 min Scan# 963
Delta R.T. -0.08 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:122 Resp: 9825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 107.6 | 103.3 | 143.3 |
| 77 | 90.9 | 73.7 | 113.7 |



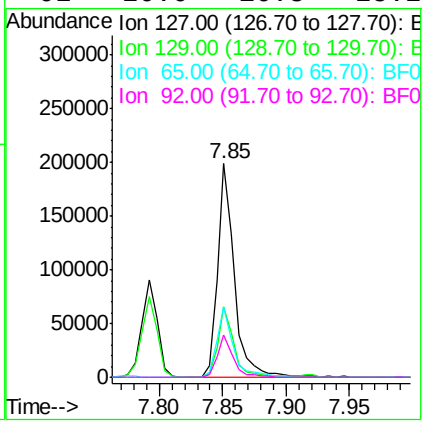


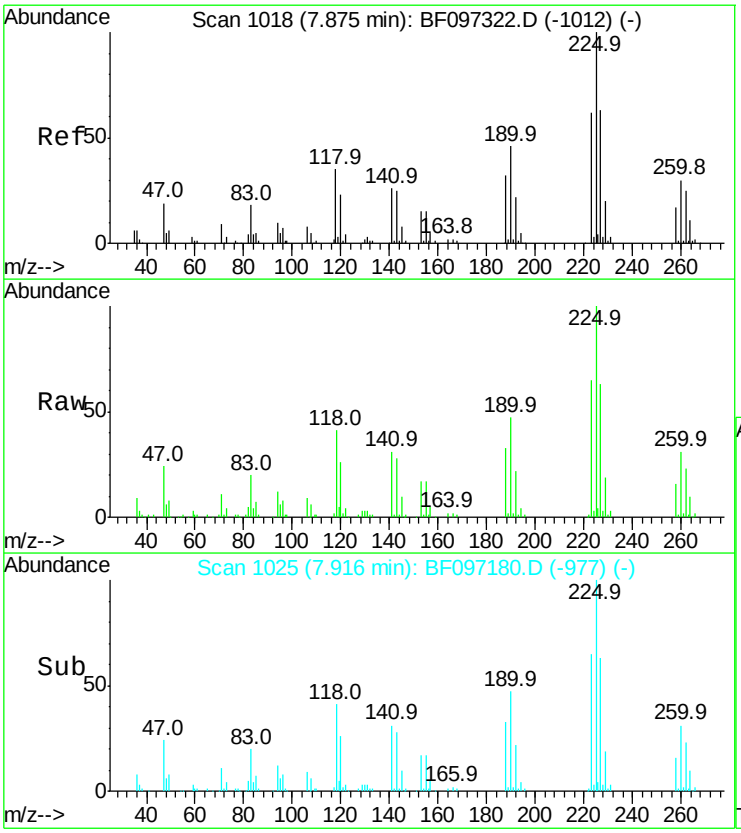

#33
4-Chloroaniline
Concen: 26.887 ng
RT: 7.85 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:127 Resp: 184906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 26.2 | 39.2 |
| 65 | 33.1 | 27.8 | 41.8 |
| 92 | 20.0 | 16.8 | 25.2 |

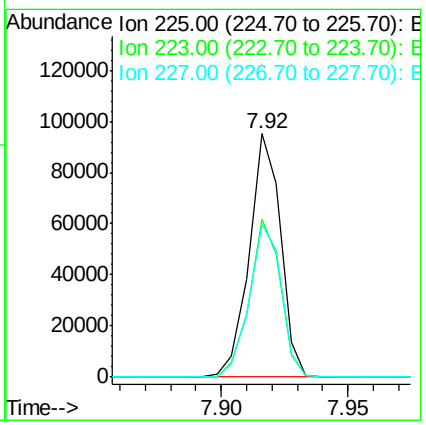


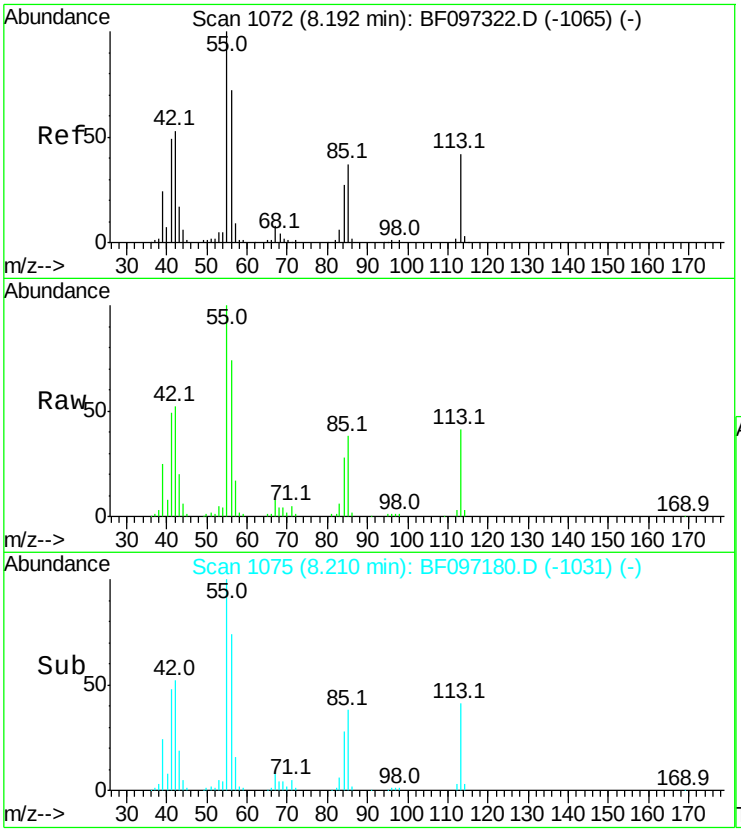




#34
Hexachlorobutadiene
Concen: 33.249 ng
RT: 7.92 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:225 Resp: 82226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.8 | 48.8 | 73.2 |
| 227 | 62.6 | 51.1 | 76.7 |



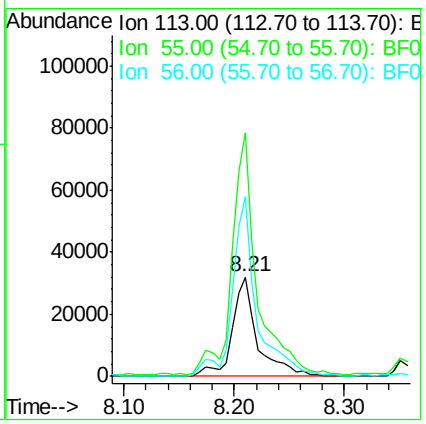


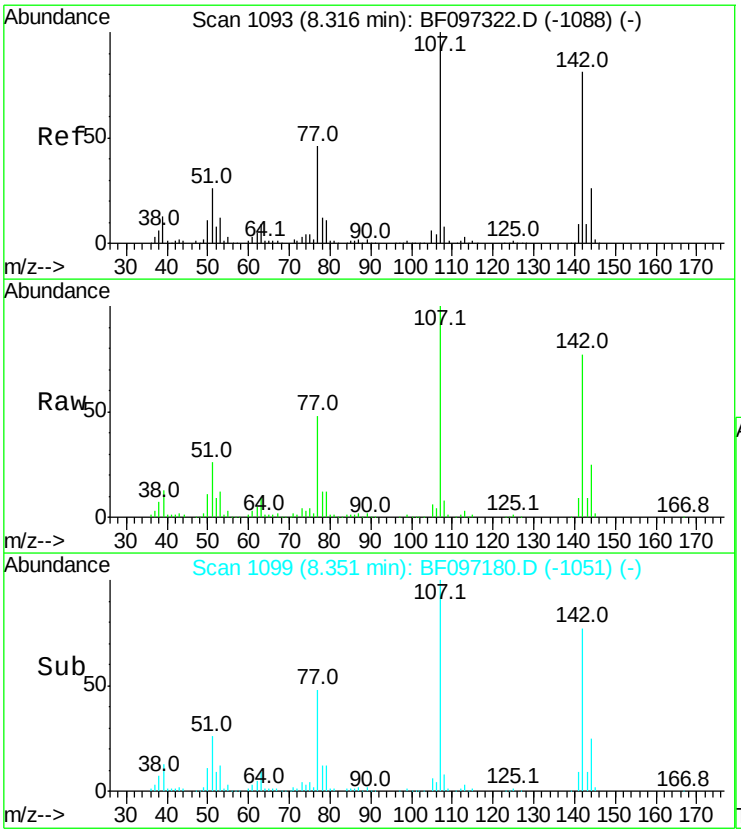

#35
Caprolactam
Concen: 32.532 ng
RT: 8.21 min Scan# 1075
Delta R.T. -0.04 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:113 Resp: 51052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 244.8 | 150.2 | 190.2# |
| 56 | 180.4 | 107.8 | 147.8# |

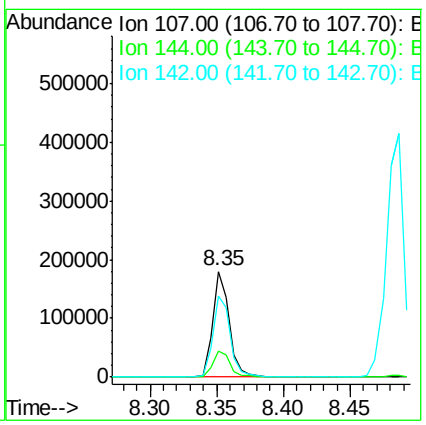


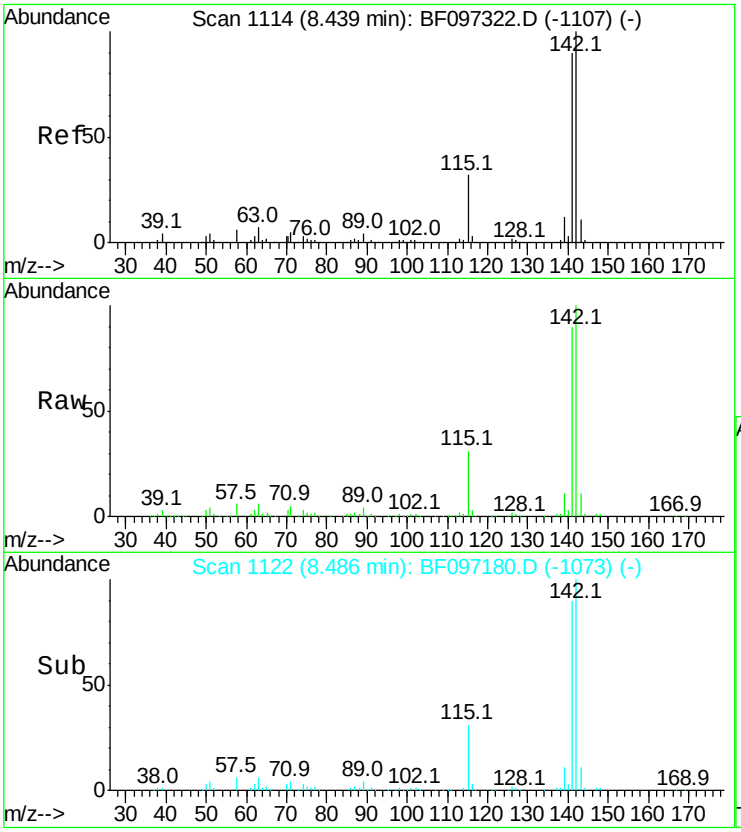




#36
4-Chloro-3-methylphenol
Concen: 29.725 ng
RT: 8.35 min Scan# 1099
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:107 Resp: 158708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 24.2 | 36.4 |
| 142 | 76.7 | 73.4 | 110.0 |



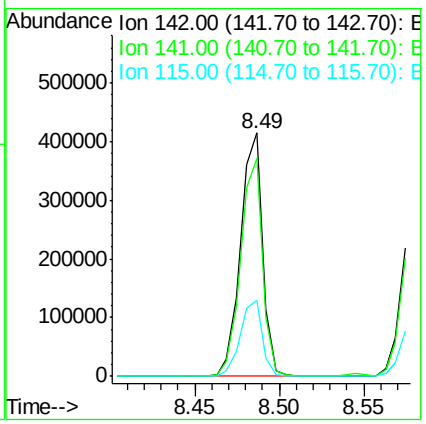


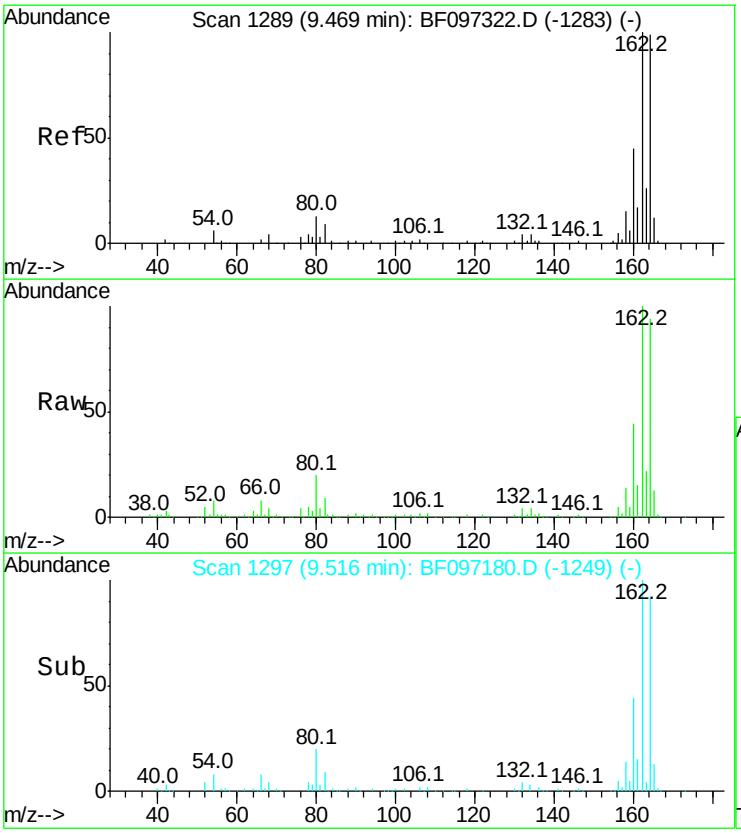

#37
2-Methylnaphthalene
Concen: 35.234 ng
RT: 8.49 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:142 Resp: 377047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 71.3 | 106.9 |
| 115 | 31.3 | 27.1 | 40.7 |

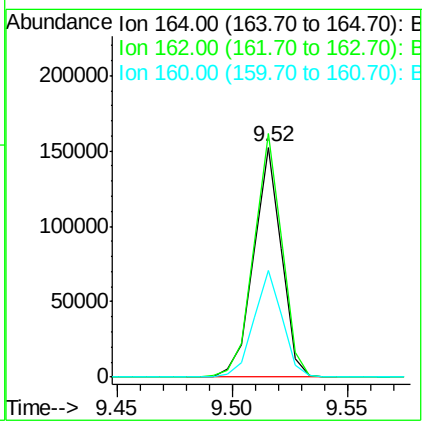


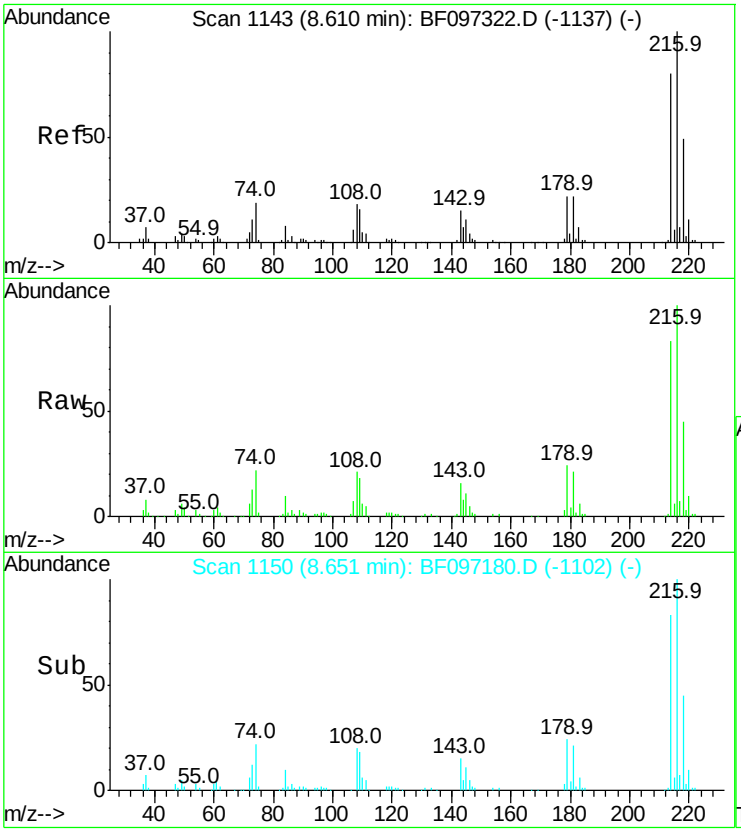




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:164 Resp: 128340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.9 | 82.6 | 123.8 |
| 160 | 46.4 | 36.2 | 54.2 |



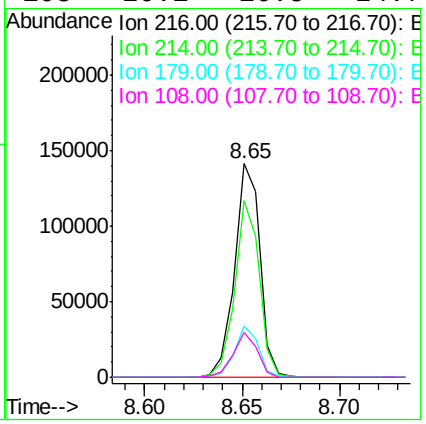


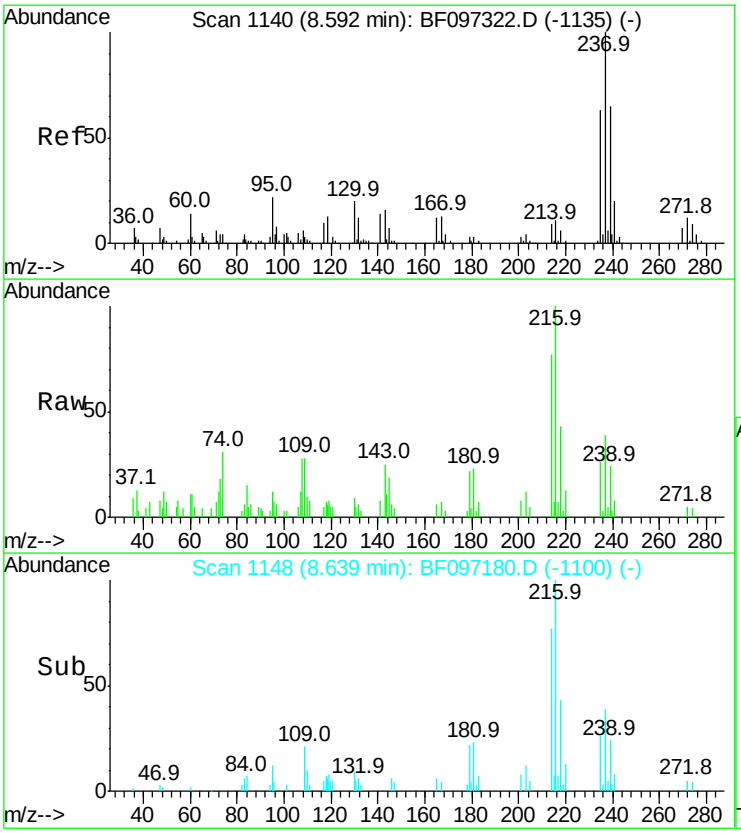

#39
1,2,4,5-Tetrachlorobenzene
Concen: 36.977 ng
RT: 8.65 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:216 Resp: 126625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.1 | 63.4 | 95.2 |
| 179 | 22.4 | 17.9 | 26.9 |
| 108 | 20.1 | 16.5 | 24.7 |

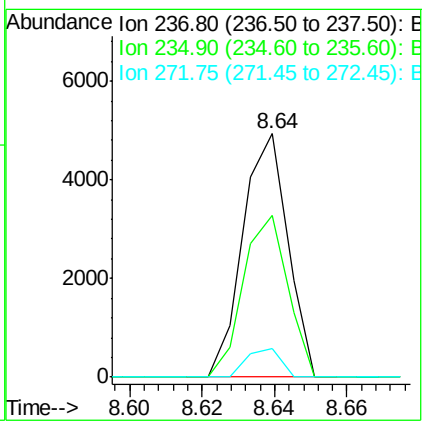


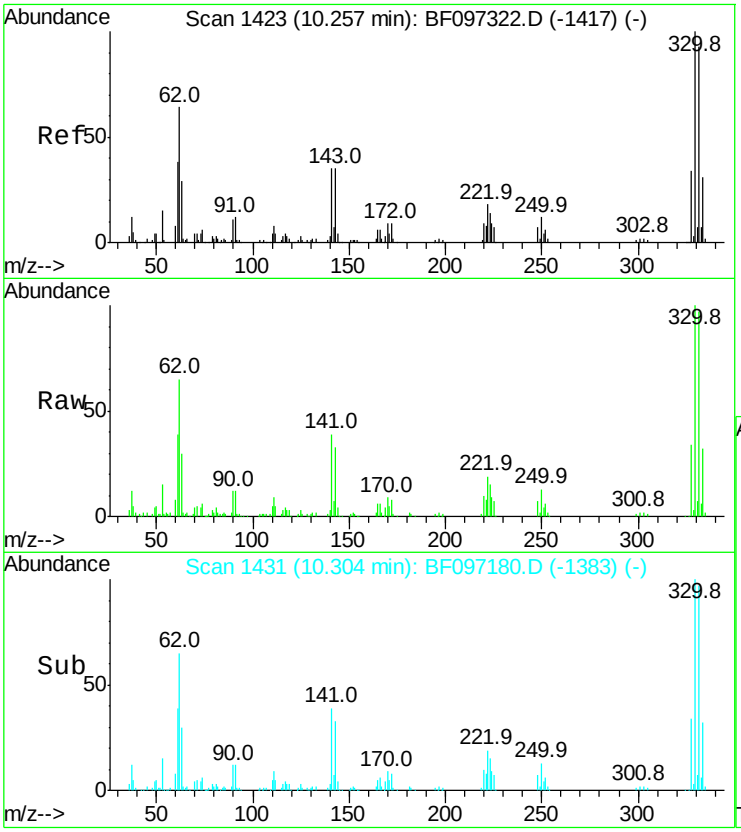




#40
Hexachlorocyclopentadiene
Concen: 9.833 ng
RT: 8.64 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:237 Resp: 4230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 66.4 | 42.6 | 82.6 |
| 272 | 11.7 | 0.0 | 31.9 |



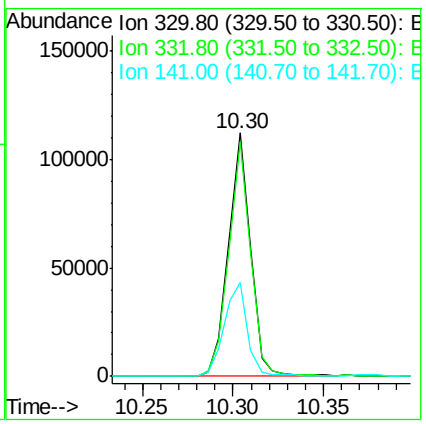


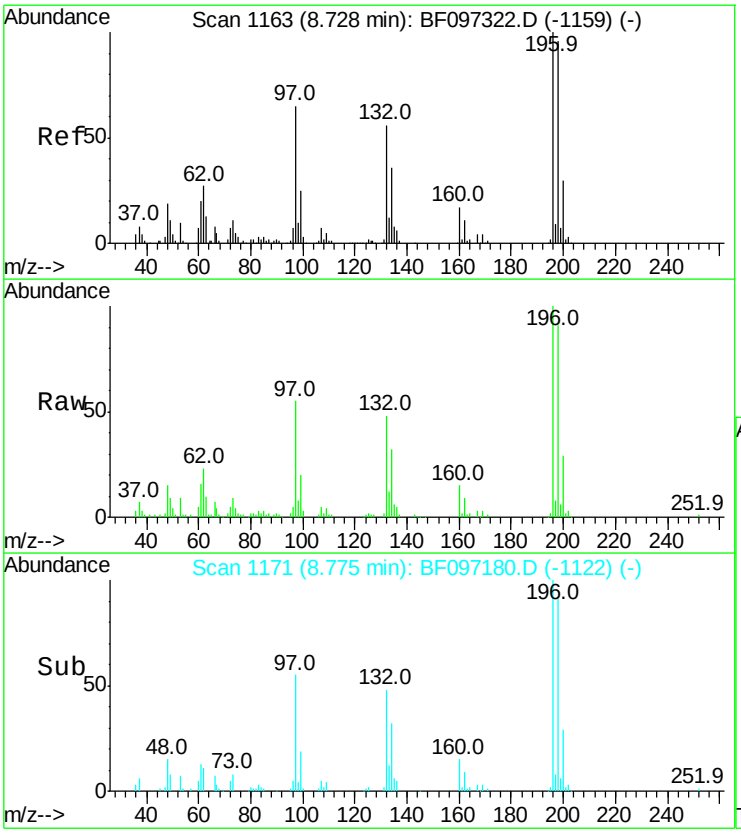

#41
2,4,6-Tribromophenol
Concen: 95.449 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:330 Resp: 96786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.6 | 115.0 |
| 141 | 40.7 | 31.4 | 47.2 |

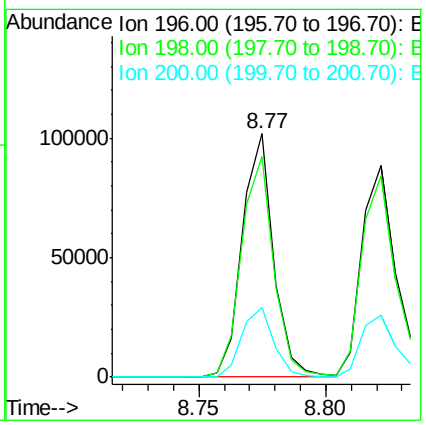


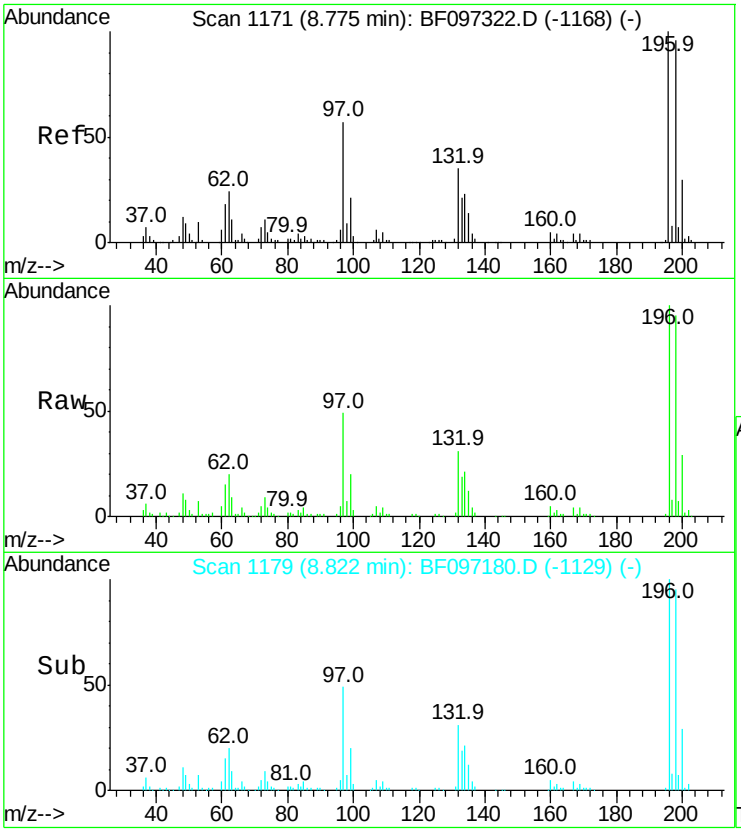




#42
2,4,6-Trichlorophenol
Concen: 35.359 ng
RT: 8.77 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:196 Resp: 87748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 90.7 | 74.2 | 111.4 |
| 200 | 28.8 | 24.0 | 36.0 |



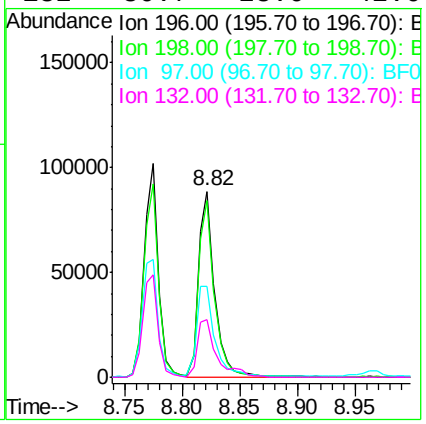


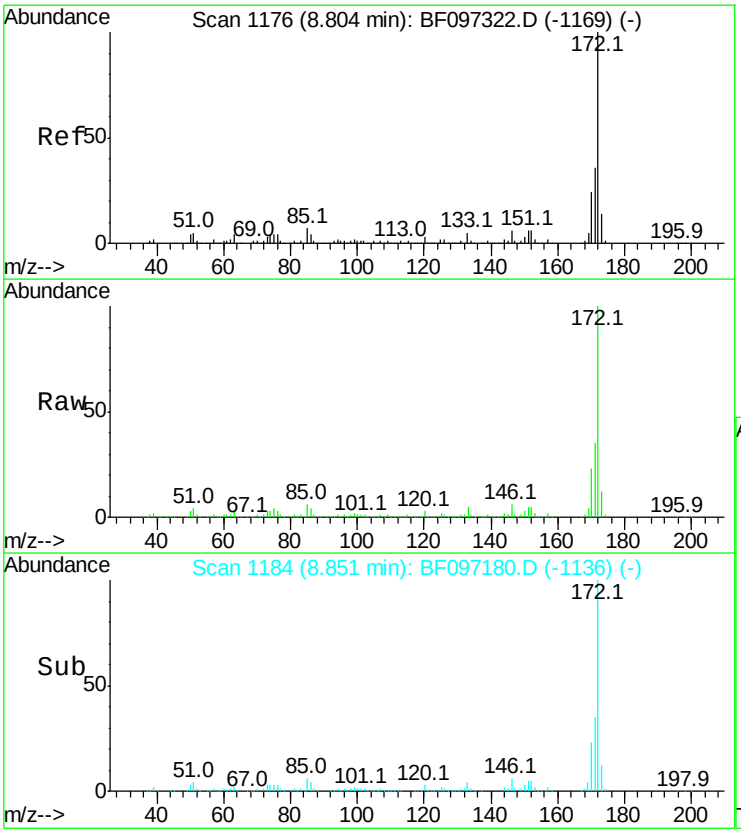

#43
2,4,5-Trichlorophenol
Concen: 35.601 ng
RT: 8.82 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:196 Resp: 88429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.8 | 75.7 | 113.5 |
| 97 | 48.6 | 47.7 | 71.5 |
| 132 | 30.7 | 28.0 | 42.0 |

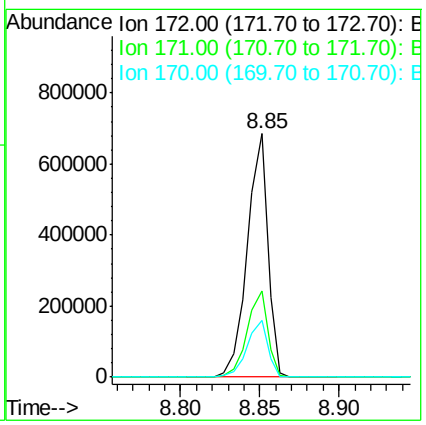


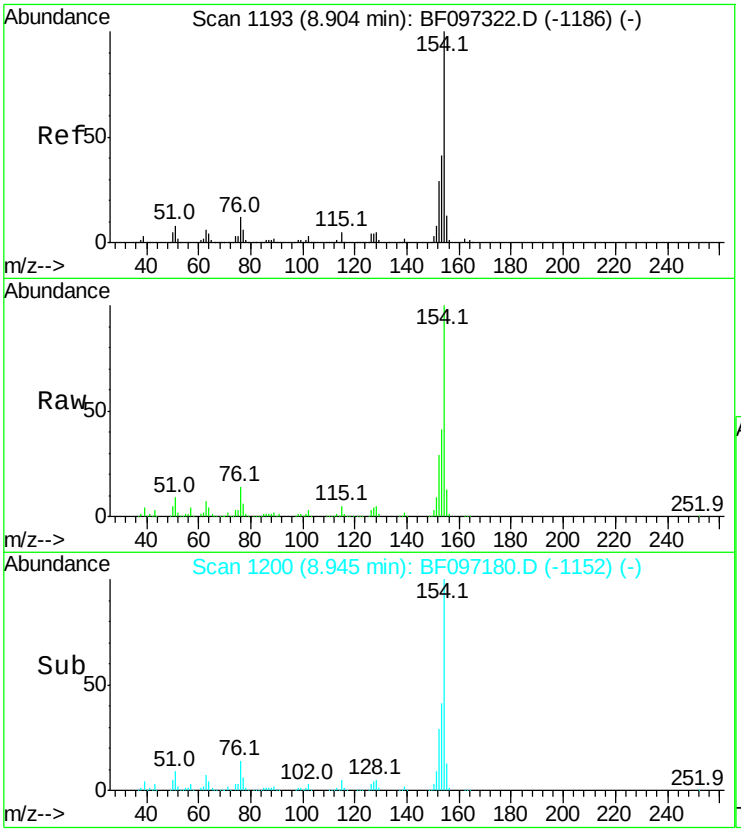




#44
2-Fluorobiphenyl
Concen: 81.008 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:172 Resp: 612610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 29.6 | 44.4 |
| 170 | 23.4 | 19.8 | 29.8 |



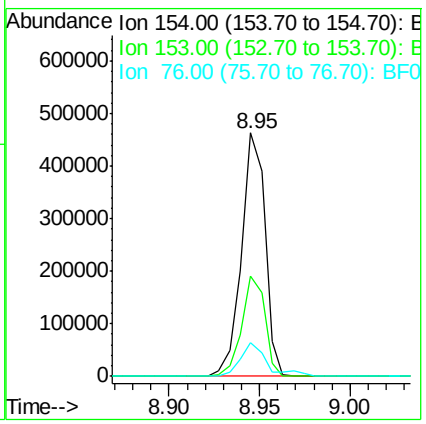


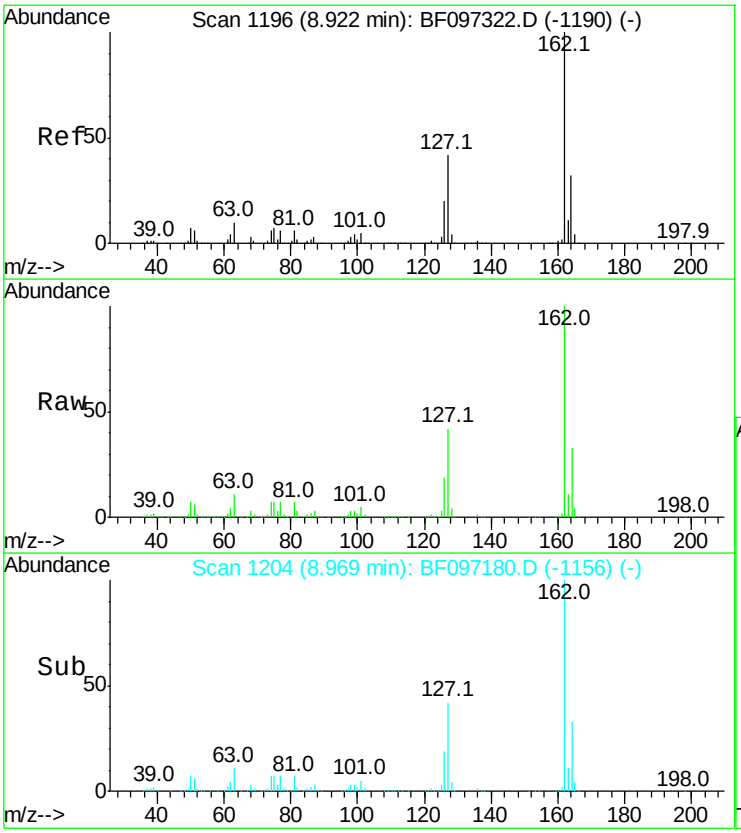

#45
1,1'-Biphenyl
Concen: 38.176 ng
RT: 8.95 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:154 Resp: 418481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.4 | 21.2 | 61.2 |
| 76 | 13.9 | 0.0 | 29.9 |

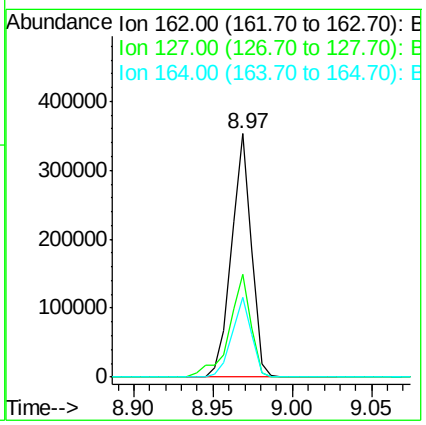


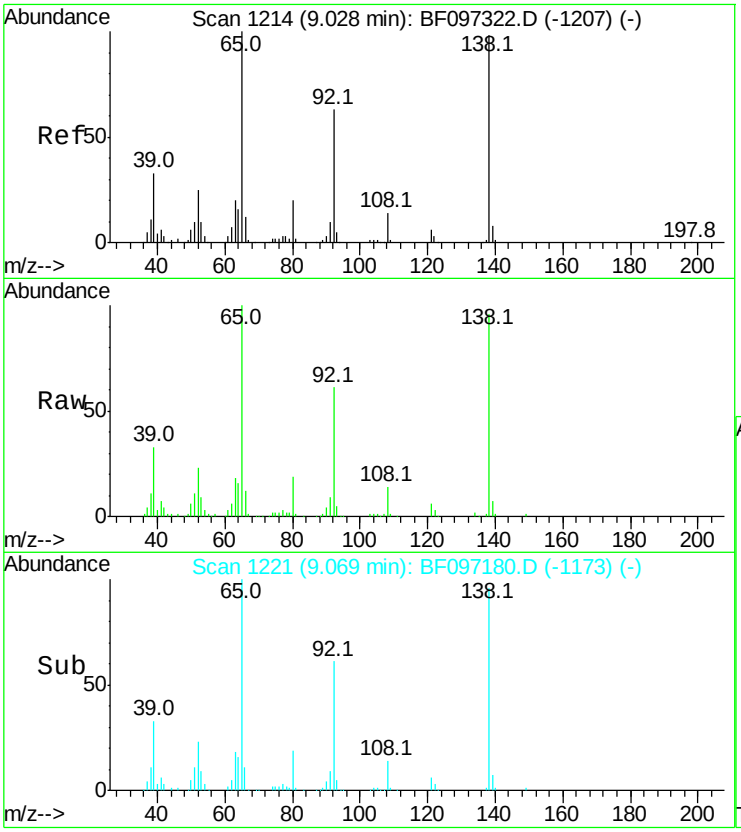




#46
2-Chloronaphthalene
Concen: 38.109 ng
RT: 8.97 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:162 Resp: 307420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 28.3 | 42.5 |
| 164 | 32.7 | 27.0 | 40.4 |



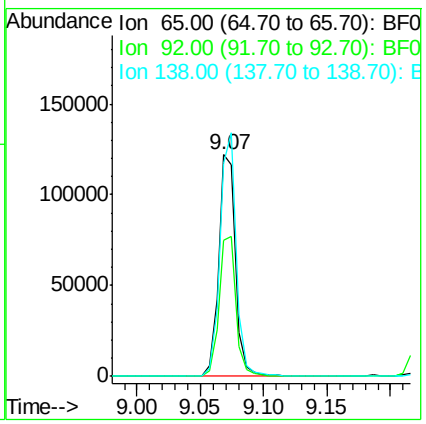


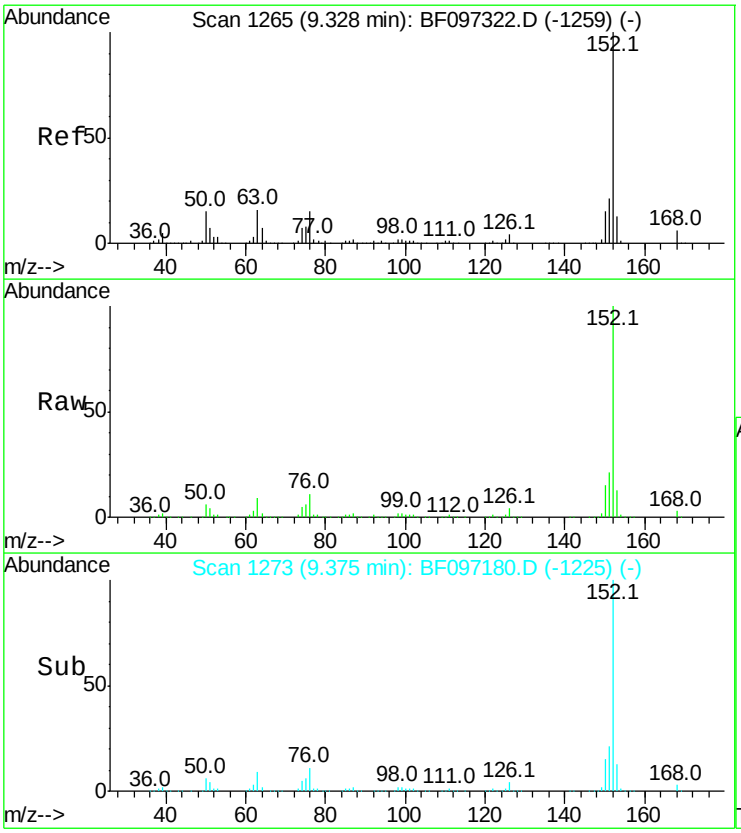

#47
2-Nitroaniline
Concen: 39.125 ng
RT: 9.07 min Scan# 1221
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion: 65 Resp: 114541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 61.3 | 53.9 | 80.9 |
| 138 | 95.9 | 78.8 | 118.2 |

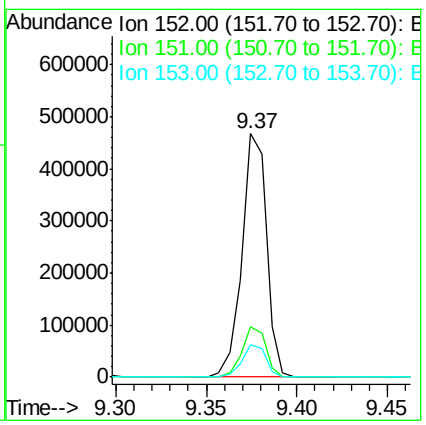


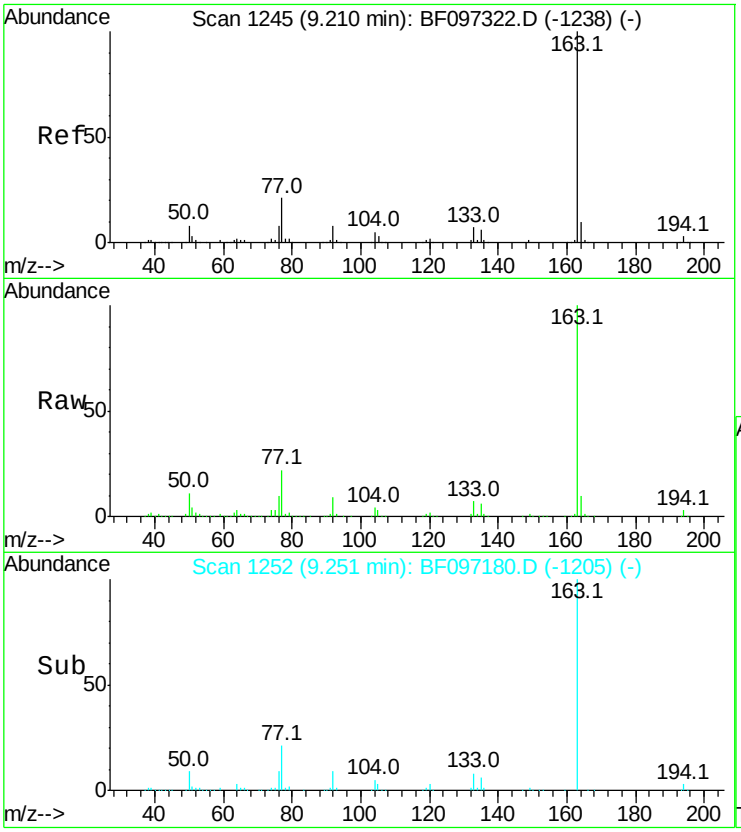




#48
Acenaphthylene
Concen: 35.504 ng
RT: 9.37 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:152 Resp: 439606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 16.8 | 25.2 |
| 153 | 13.5 | 10.8 | 16.2 |

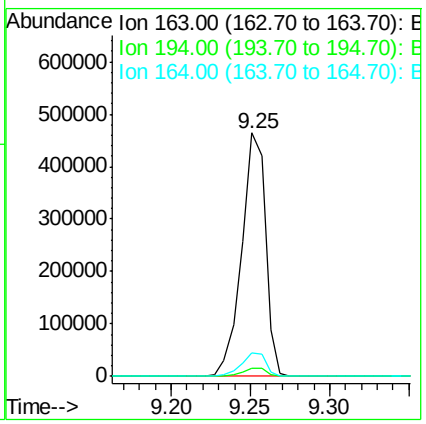




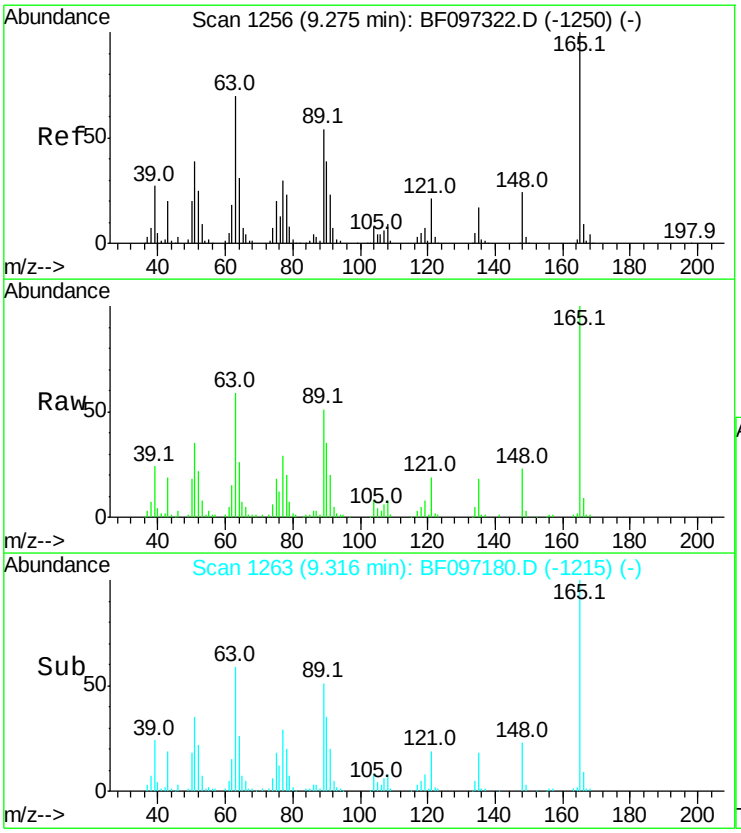

#49
Dimethylphthalate
Concen: 49.721 ng
RT: 9.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:163 Resp: 484577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.6 | 4.0 |
| 164 | 9.8 | 8.4 | 12.6 |



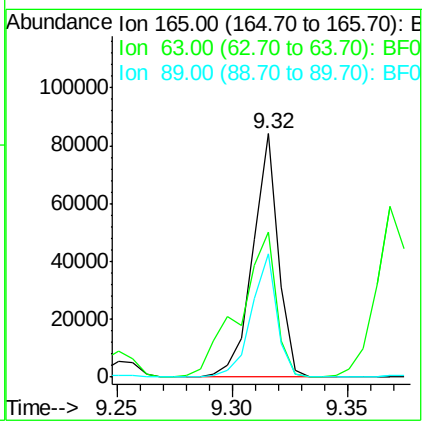

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

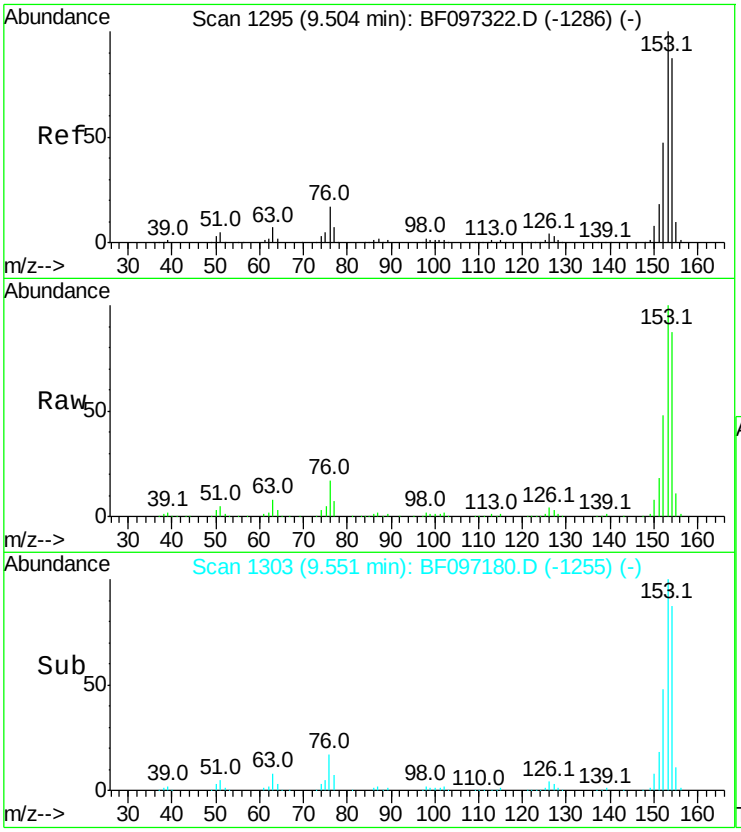



#50
2,6-Dinitrotoluene
Concen: 31.494 ng
RT: 9.32 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:165 Resp: 65099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.3 | 34.3 | 51.5# |
| 89 | 50.5 | 37.1 | 55.7 |

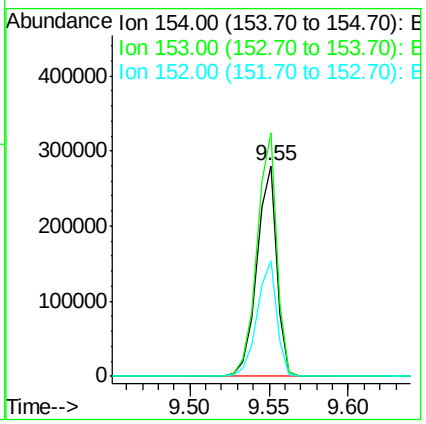




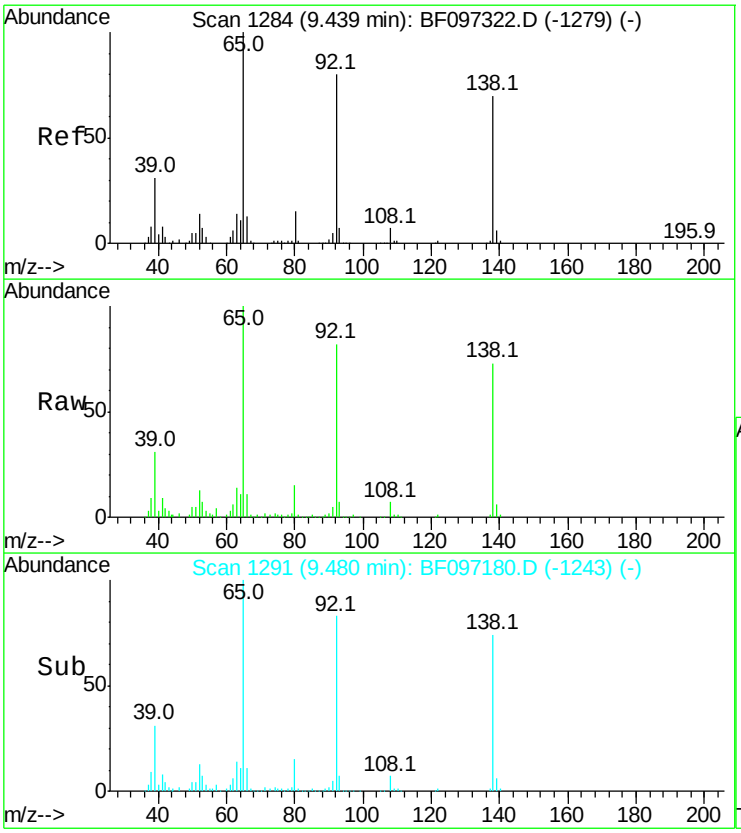

#51
Acenaphthene
Concen: 33.698 ng
RT: 9.55 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:154 Resp: 245774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.5 | 90.5 | 135.7 |
| 152 | 55.0 | 43.6 | 65.4 |



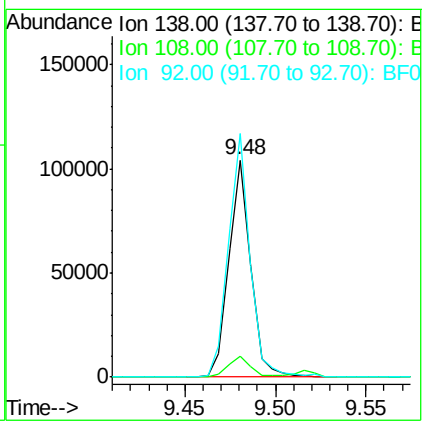

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

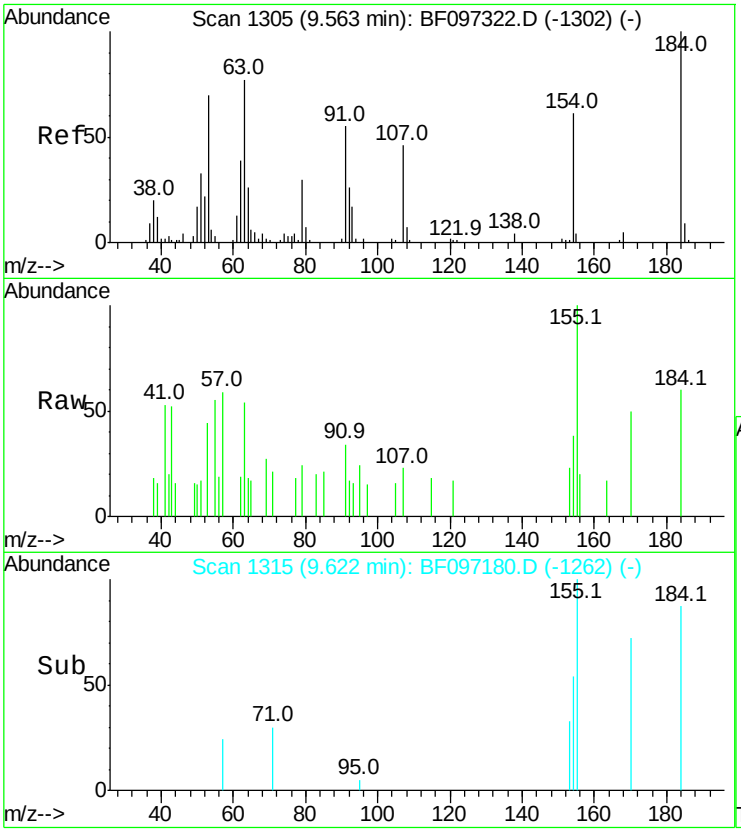



#52
3-Nitroaniline
Concen: 34.334 ng
RT: 9.48 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:138 Resp: 88091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.8 | 9.1 | 13.7 |
| 92 | 112.3 | 93.8 | 140.6 |



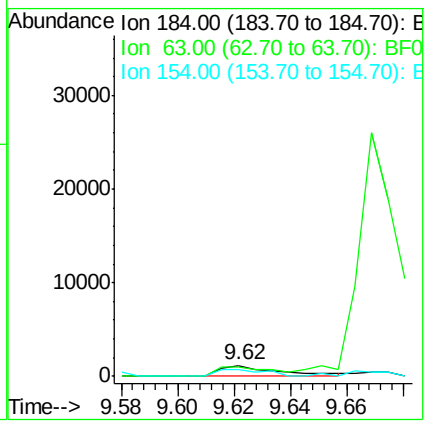


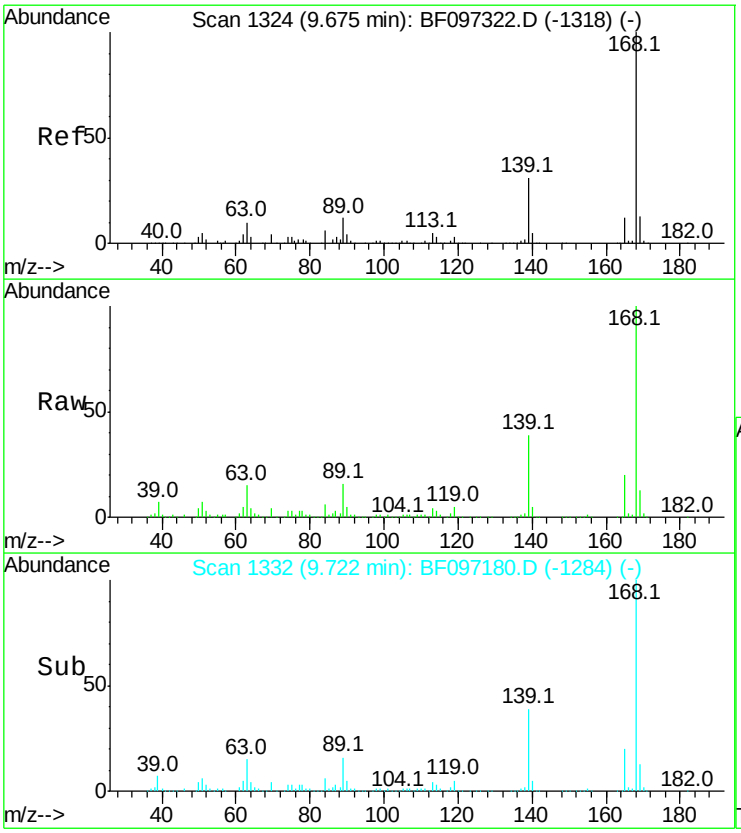

#53
2,4-Dinitrophenol
Concen: 1.816 ng
RT: 9.62 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:184 Resp: 1707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 90.1 | 62.7 | 94.1 |
| 154 | 62.2 | 81.1 | 121.7# |

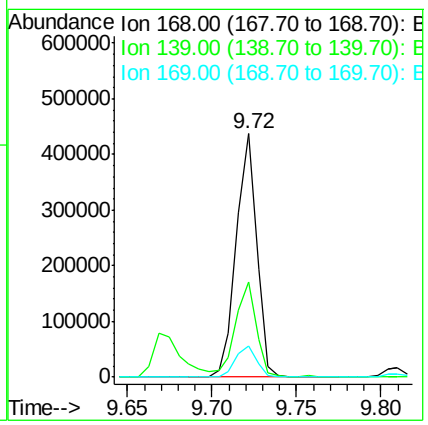


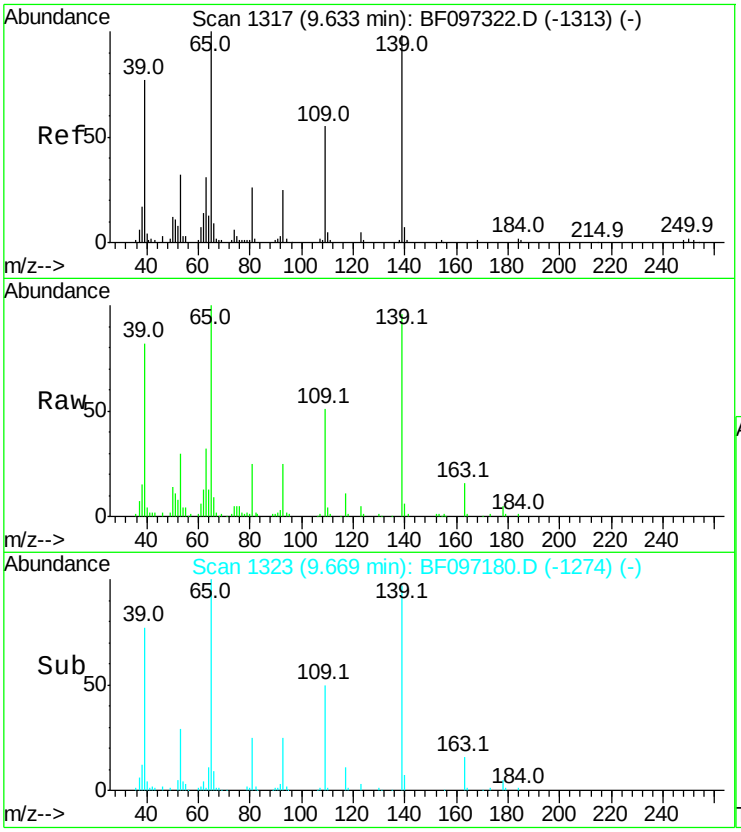




#54
Dibenzofuran
Concen: 37.920 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:168 Resp: 368380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.0 | 30.6 | 45.8 |
| 169 | 13.0 | 10.8 | 16.2 |



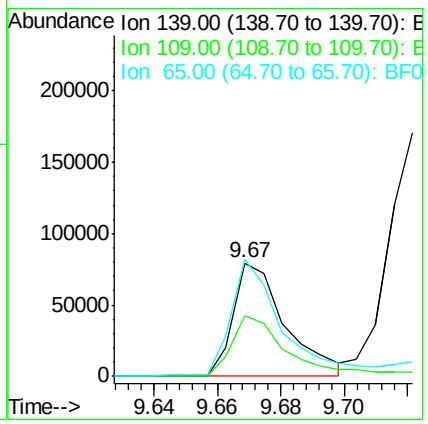


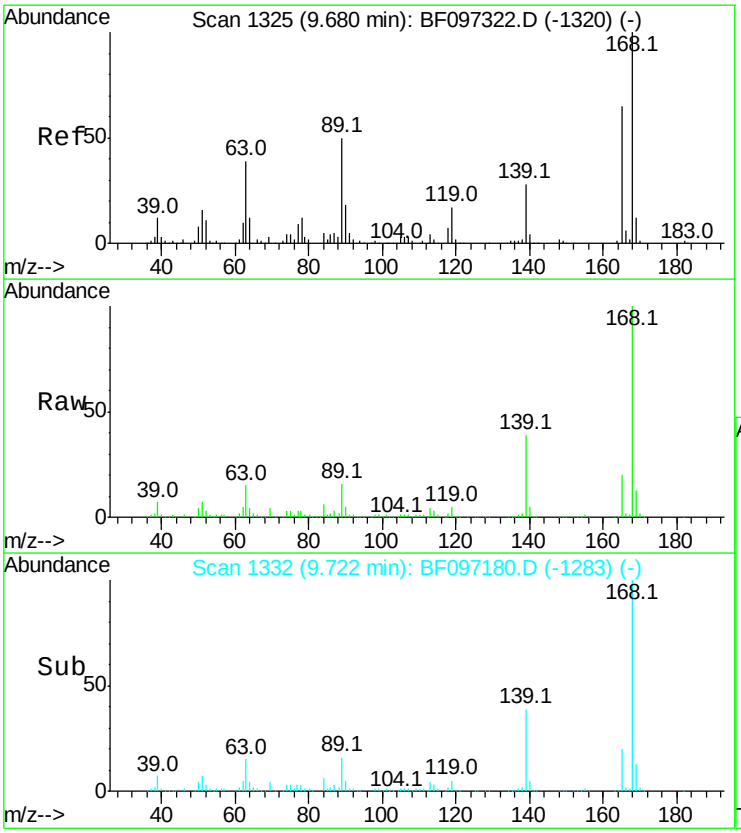

#55
4-Nitrophenol
Concen: 59.156 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:139 Resp: 90259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 53.0 | 34.1 | 74.1 |
| 65 | 103.7 | 31.4 | 71.4# |

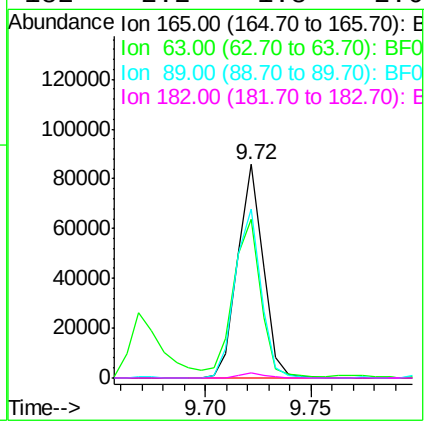


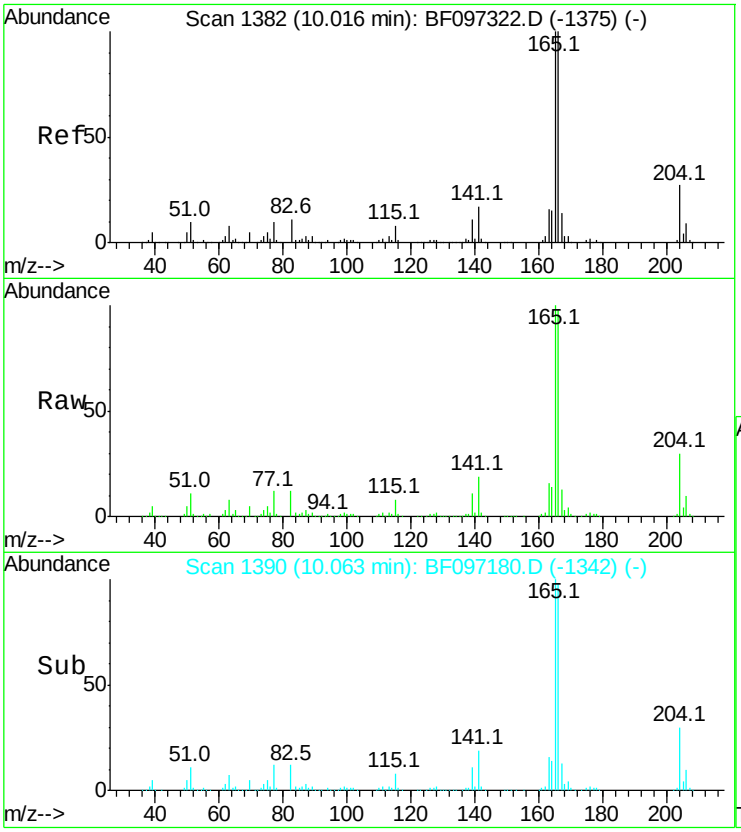




#56
2,4-Dinitrotoluene
Concen: 30.004 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:165 Resp: 71297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 74.4 | 25.4 | 38.0# |
| 89 | 79.0 | 46.4 | 69.6# |
| 182 | 2.2 | 1.8 | 2.6 |



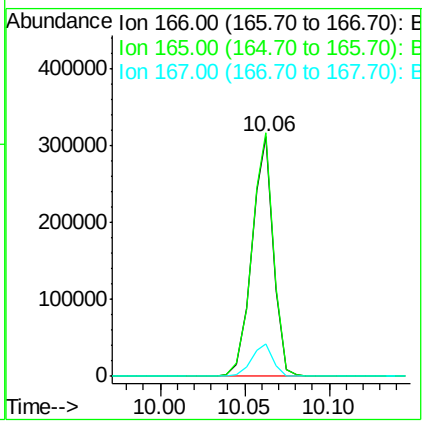


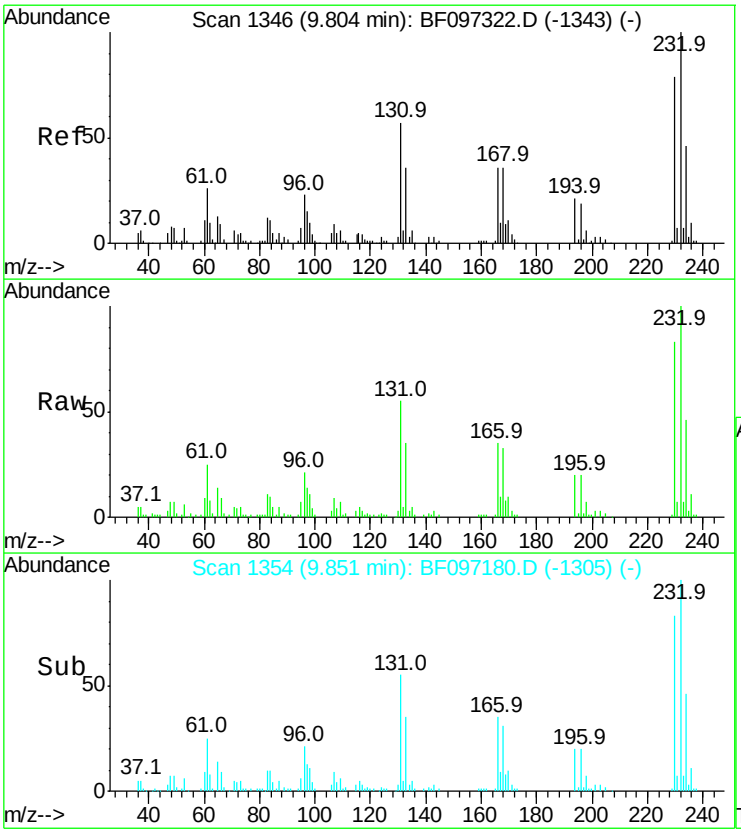

#57
Fluorene
Concen: 37.966 ng
RT: 10.06 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:166 Resp: 277207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.6 | 78.8 | 118.2 |
| 167 | 13.5 | 10.6 | 16.0 |

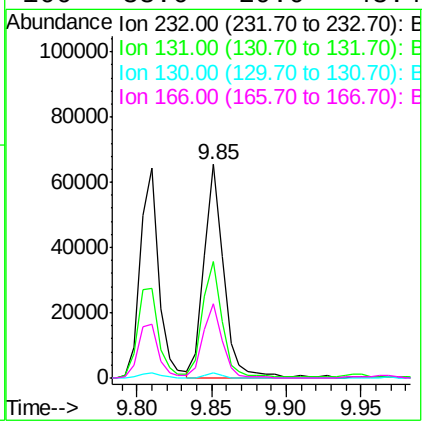


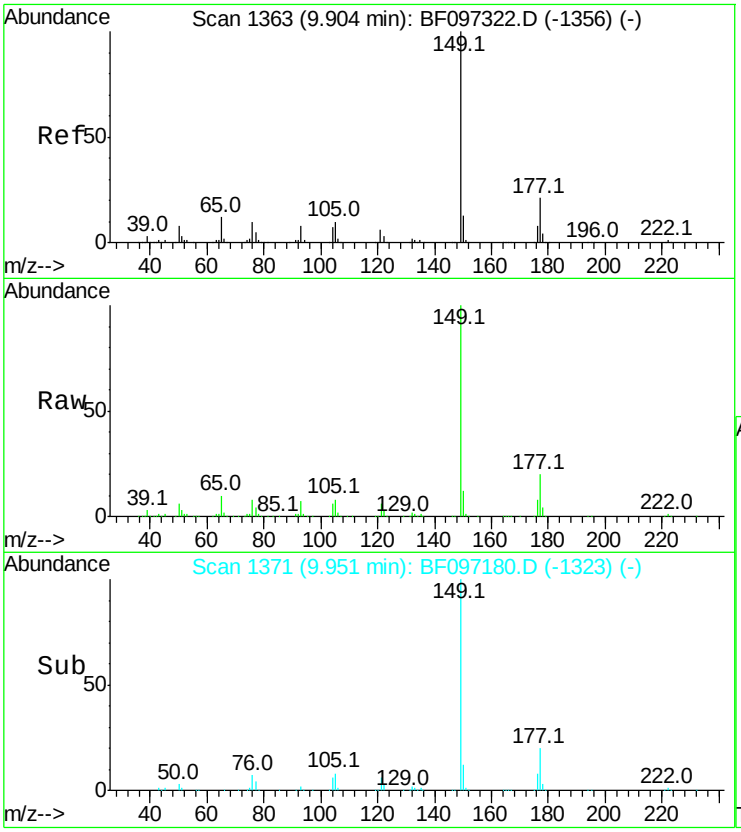




#58
2,3,4,6-Tetrachlorophenol
Concen: 35.212 ng
RT: 9.85 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:232 Resp: 60390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 53.6 | 44.8 | 67.2 |
| 130 | 2.1 | 2.3 | 3.5# |
| 166 | 33.6 | 29.0 | 43.4 |

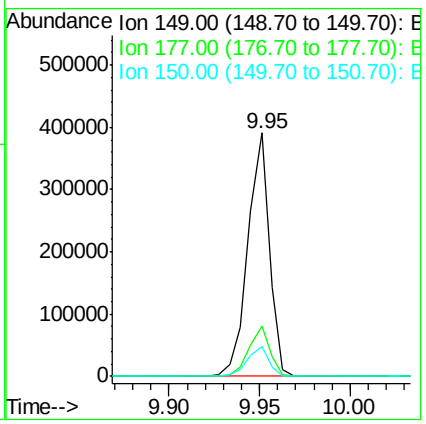




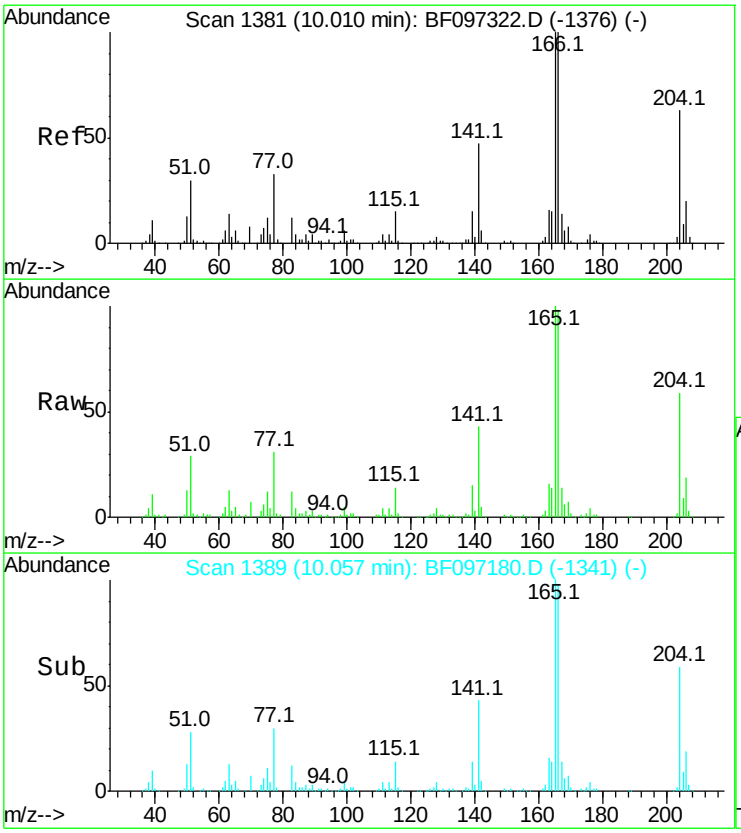

#59
Diethylphthalate
Concen: 36.095 ng
RT: 9.95 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:149 Resp: 322730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.5 | 16.7 | 25.1 |
| 150 | 12.3 | 10.2 | 15.2 |



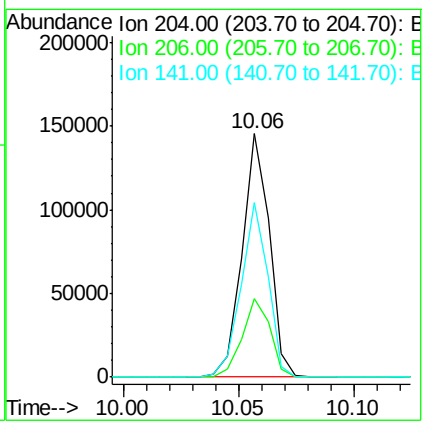

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

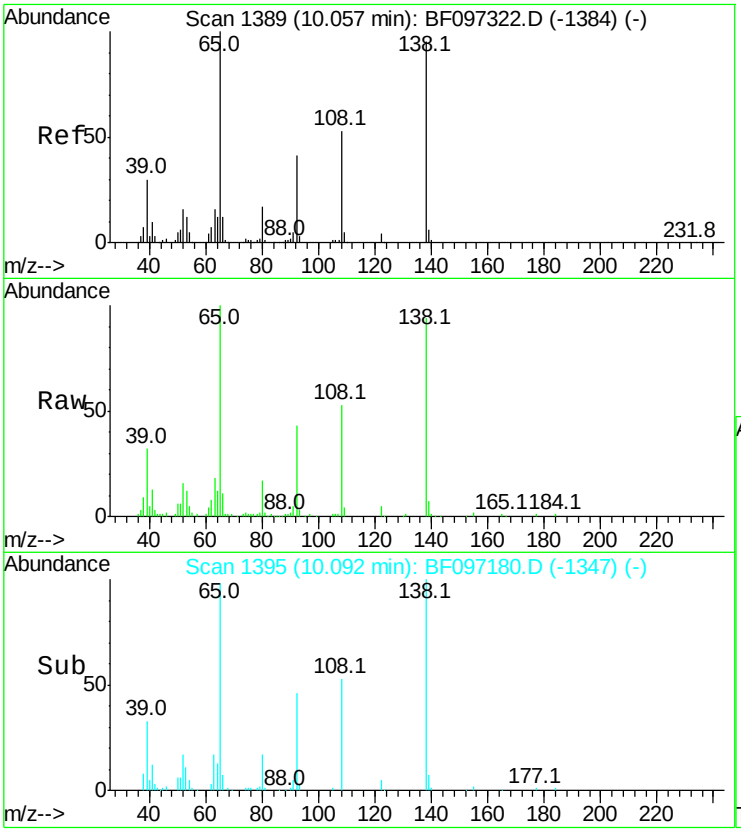



#60
4-Chlorophenyl-phenylether
Concen: 39.983 ng
RT: 10.06 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:204 Resp: 120551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.2 | 39.2 |
| 141 | 71.9 | 60.8 | 91.2 |



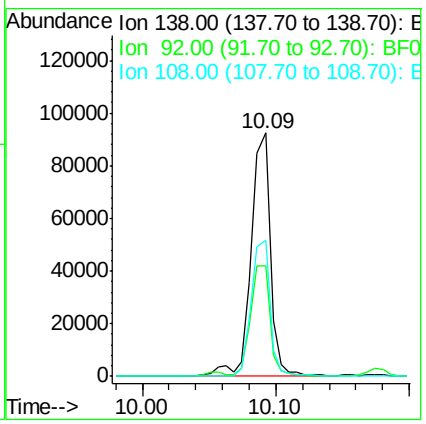


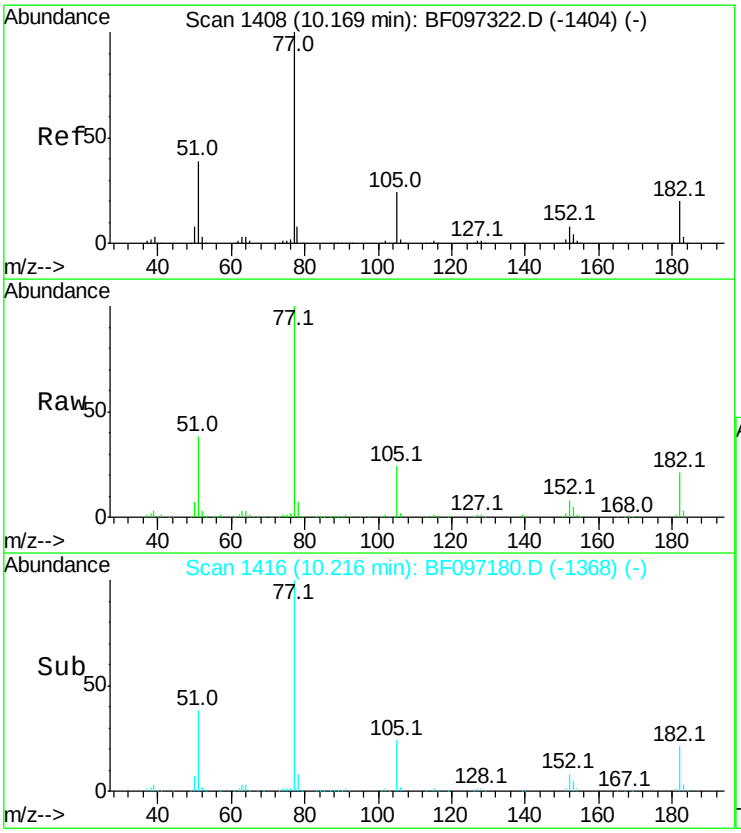

#61
4-Nitroaniline
Concen: 37.694 ng
RT: 10.09 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:138 Resp: 91893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 45.6 | 21.8 | 61.8 |
| 108 | 55.8 | 42.3 | 82.3 |

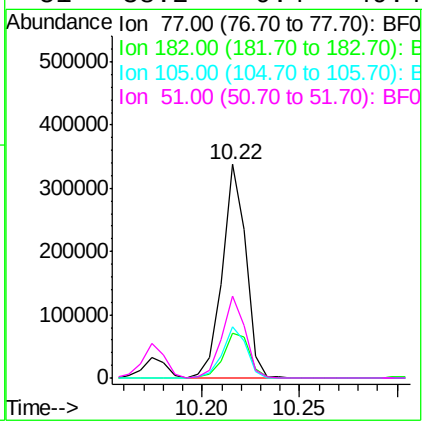


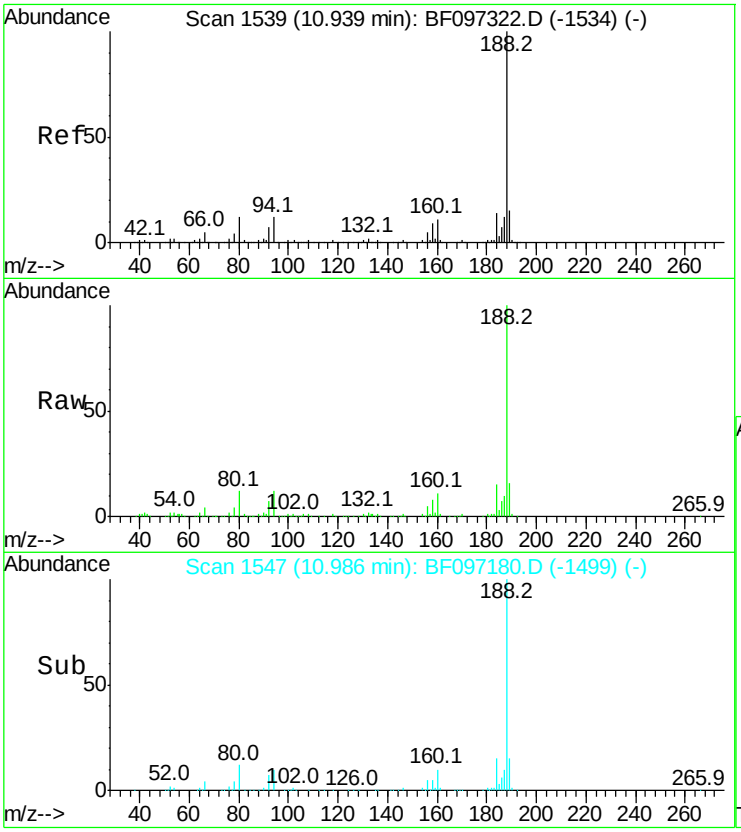




#62
Azobenzene
Concen: 33.782 ng
RT: 10.22 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 77 Resp: 280213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 21.0 | 0.1 | 40.1 |
| 105 | 24.2 | 3.6 | 43.6 |
| 51 | 38.2 | 9.4 | 49.4 |



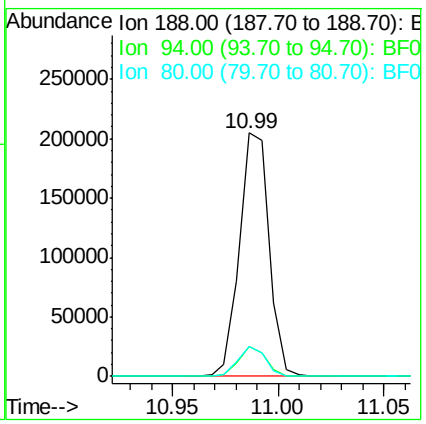


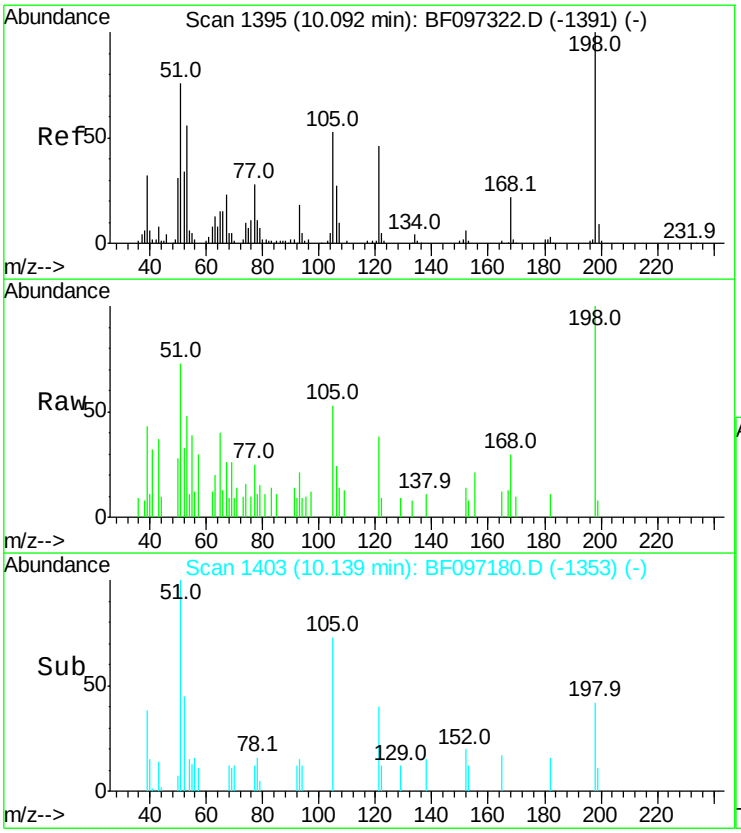

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:188 Resp: 198975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.4 | 9.4 | 14.2 |
| 80 | 12.1 | 10.2 | 15.2 |

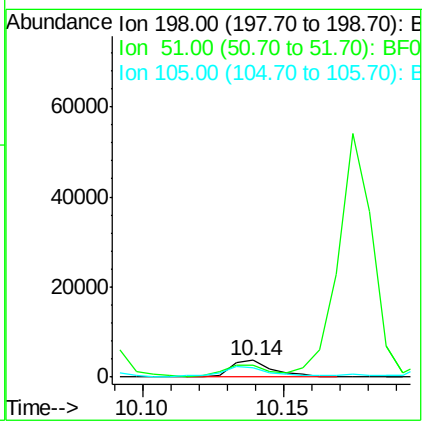


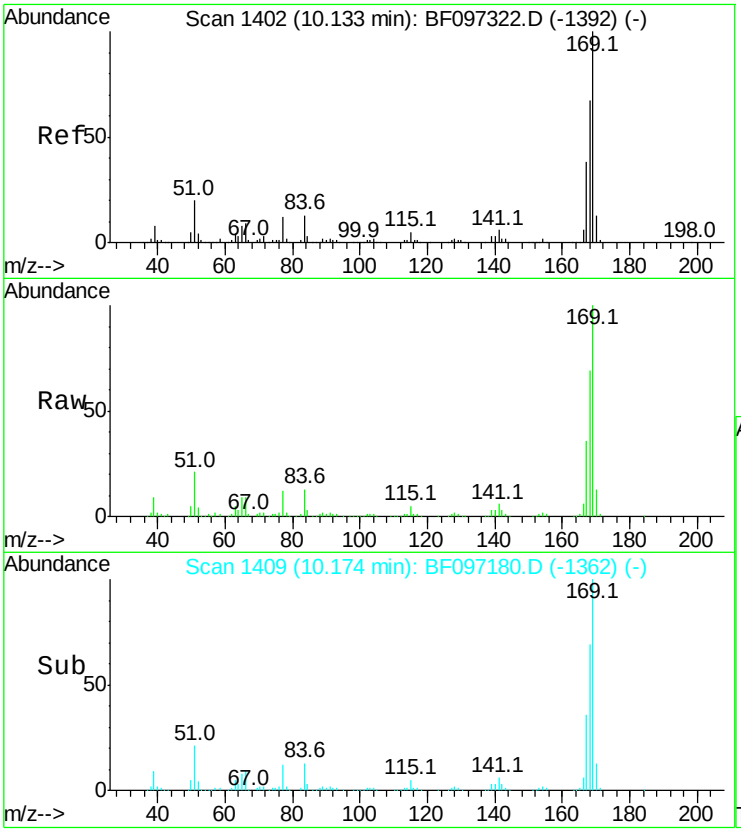




#64
4,6-Dinitro-2-methylphenol
Concen: 3.039 ng
RT: 10.14 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:198 Resp: 3758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 72.8 | 53.2 | 93.2 |
| 105 | 53.3 | 45.8 | 85.8 |



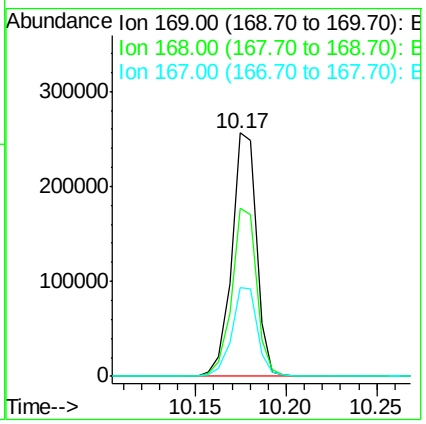


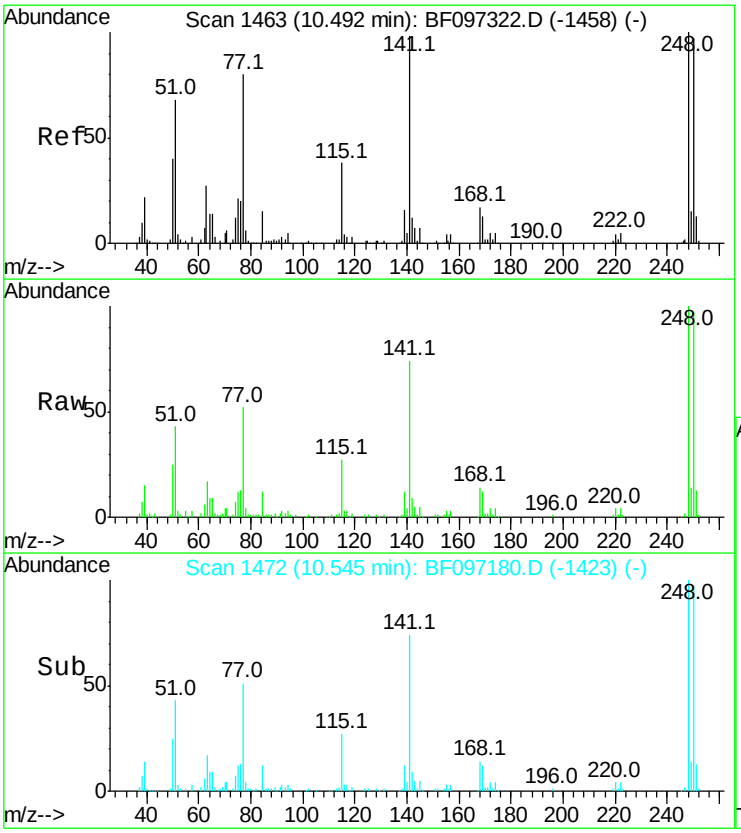

#65
n-Nitrosodiphenylamine
Concen: 35.381 ng
RT: 10.17 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:169 Resp: 244950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.2 | 53.2 | 79.8 |
| 167 | 36.5 | 29.5 | 44.3 |

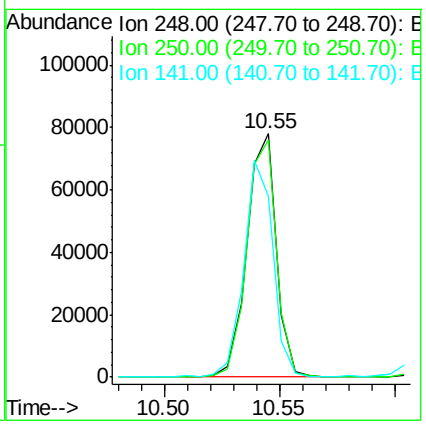


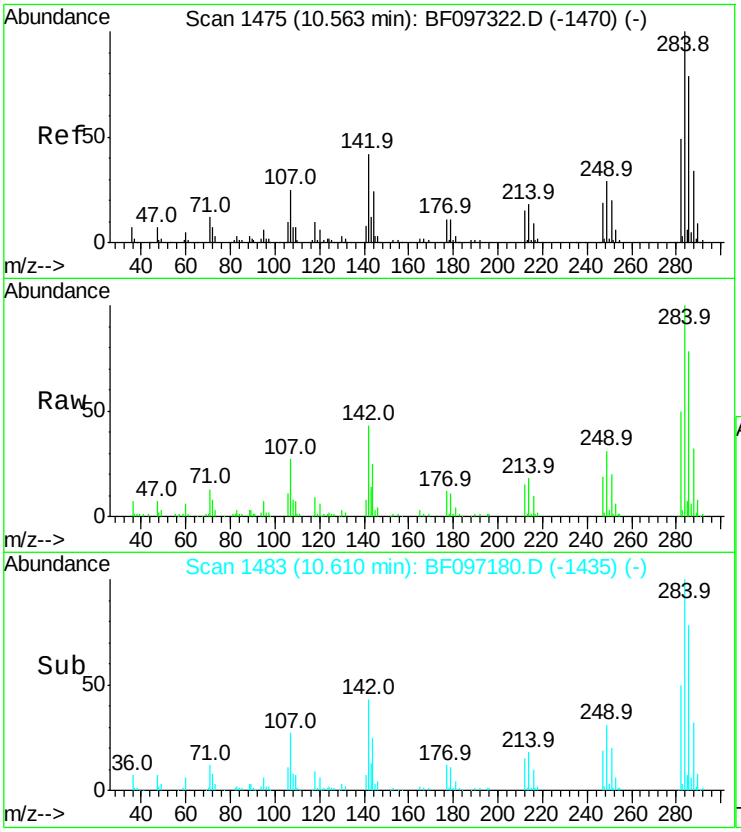




#66
4-Bromophenyl-phenylether
Concen: 34.763 ng
RT: 10.55 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:248 Resp: 69029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 76.8 | 115.2 |
| 141 | 74.3 | 68.6 | 103.0 |



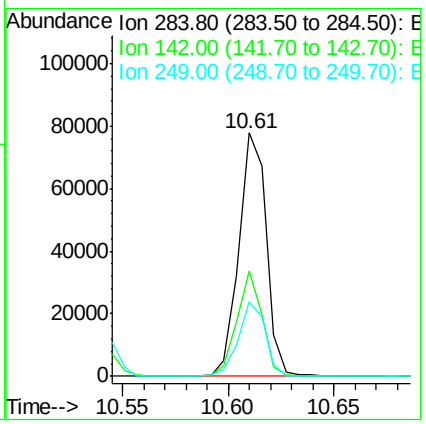


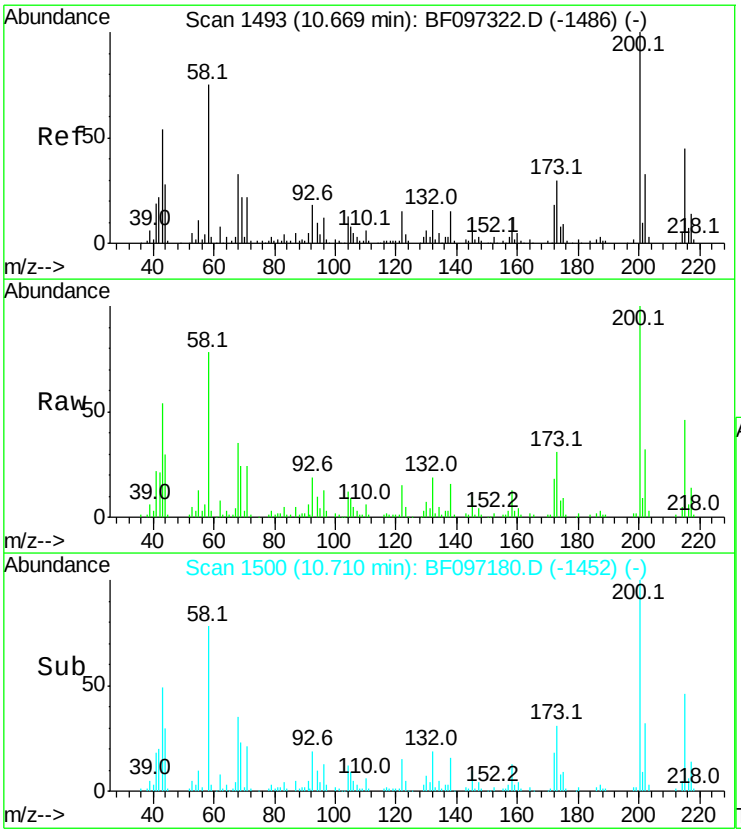

#67
Hexachlorobenzene
Concen: 31.402 ng
RT: 10.61 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:284 Resp: 69924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 43.3 | 22.8 | 34.2# |
| 249 | 30.9 | 24.0 | 36.0 |

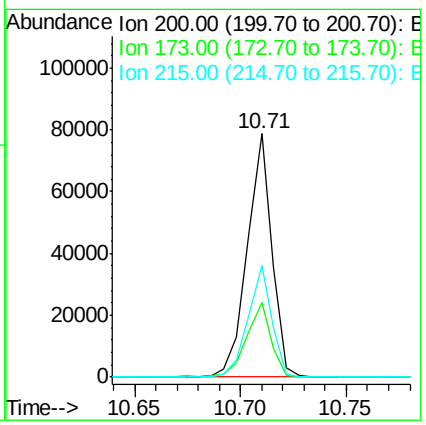


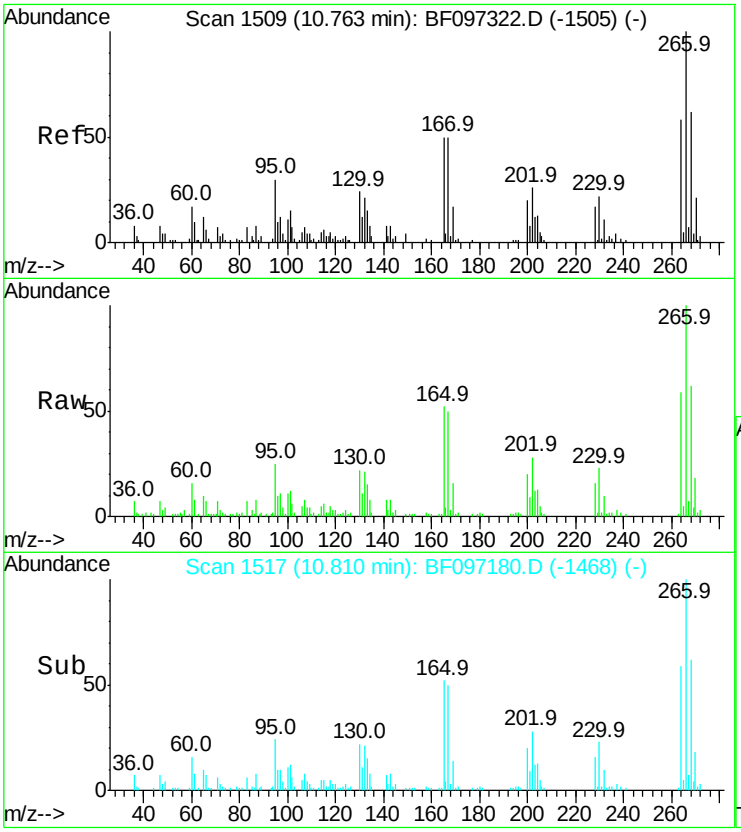




#68
Atrazine
Concen: 32.261 ng
RT: 10.71 min Scan# 1500
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:200 Resp: 64046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 30.7 | 6.3 | 46.3 |
| 215 | 46.0 | 27.2 | 67.2 |



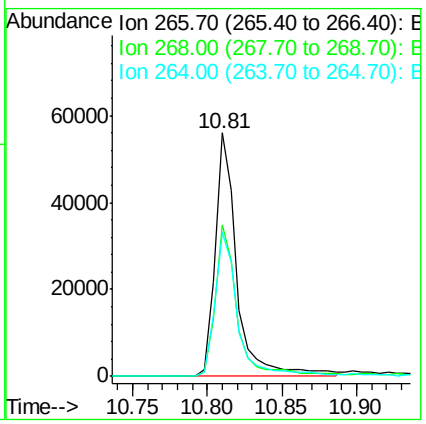


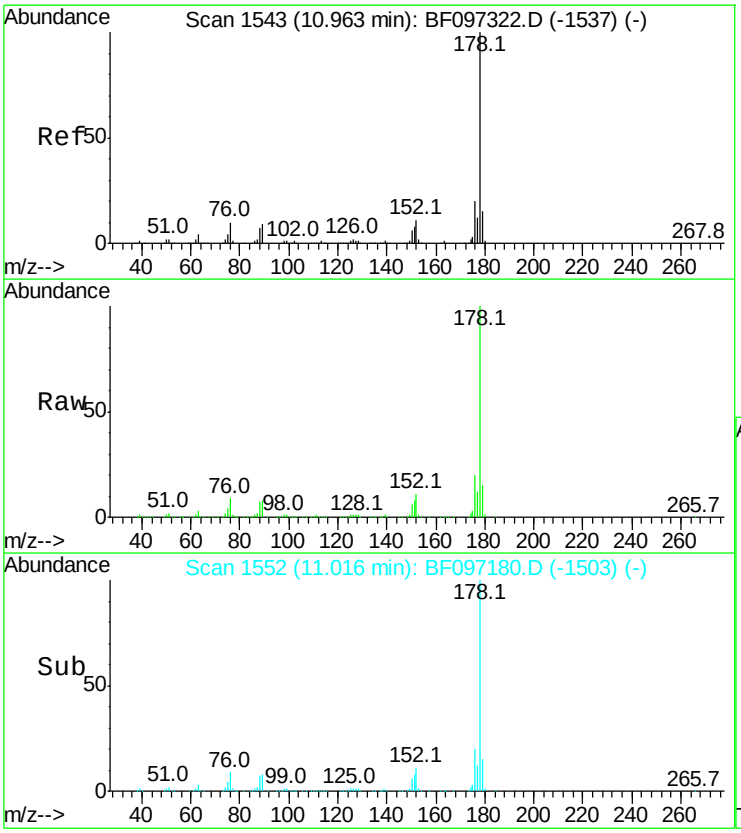

#69
Pentachlorophenol
Concen: 62.087 ng
RT: 10.81 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:266 Resp: 57203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.3 | 51.1 | 76.7 |
| 264 | 59.3 | 51.7 | 77.5 |

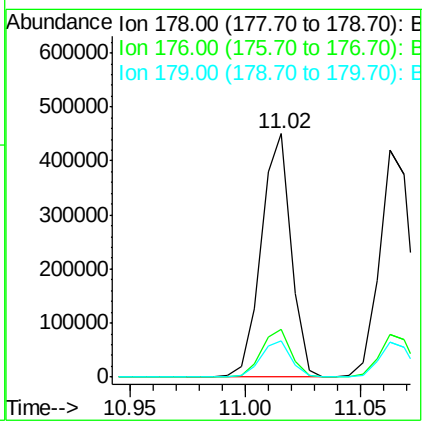


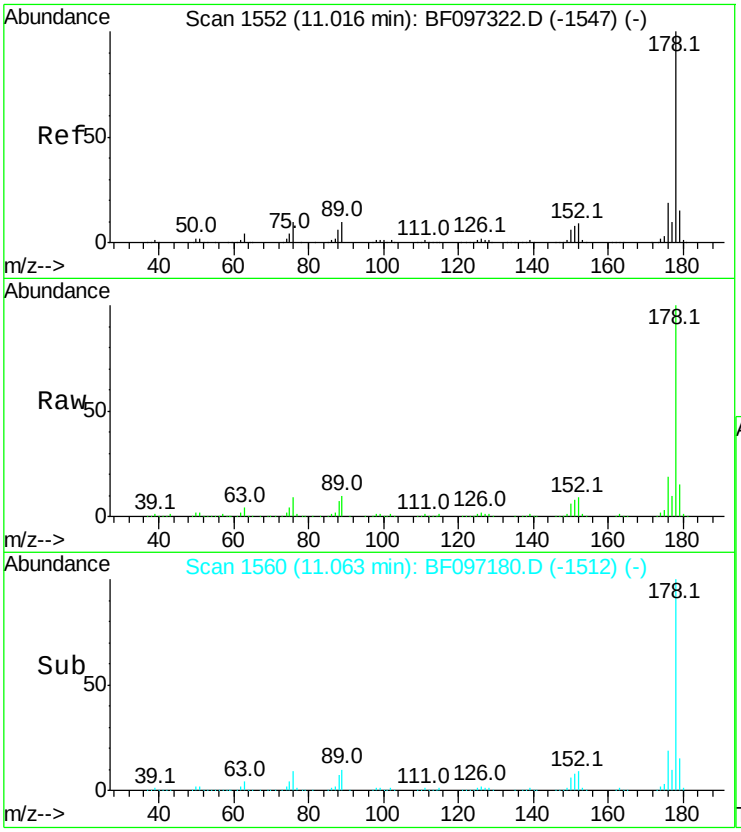




#70
Phenanthrene
Concen: 37.986 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:178 Resp: 404977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 16.2 | 24.4 |
| 179 | 15.1 | 12.6 | 19.0 |



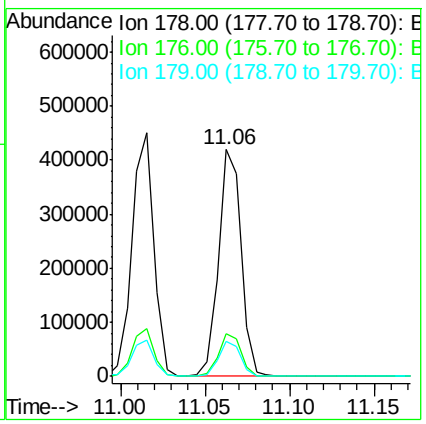


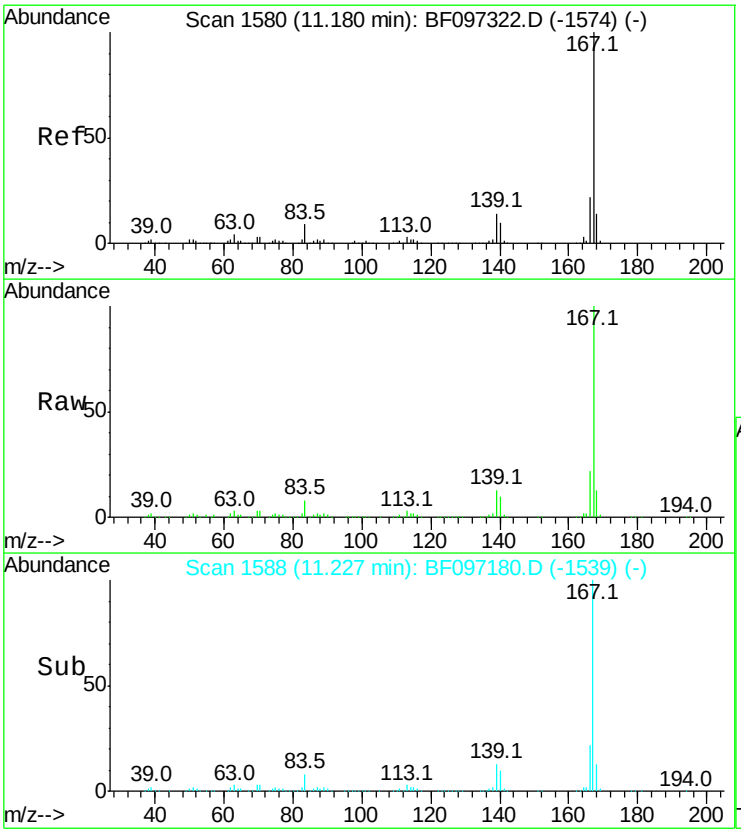

#71
Anthracene
Concen: 35.807 ng
RT: 11.06 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:178 Resp: 390985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.8 | 23.8 |
| 179 | 15.2 | 12.7 | 19.1 |

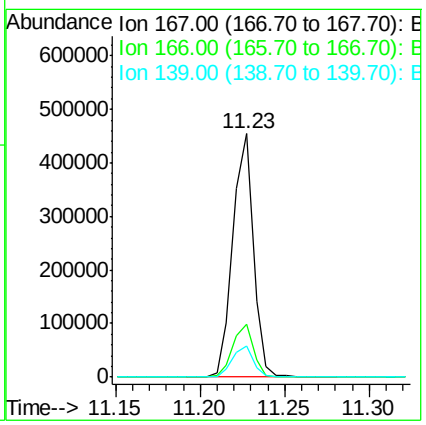


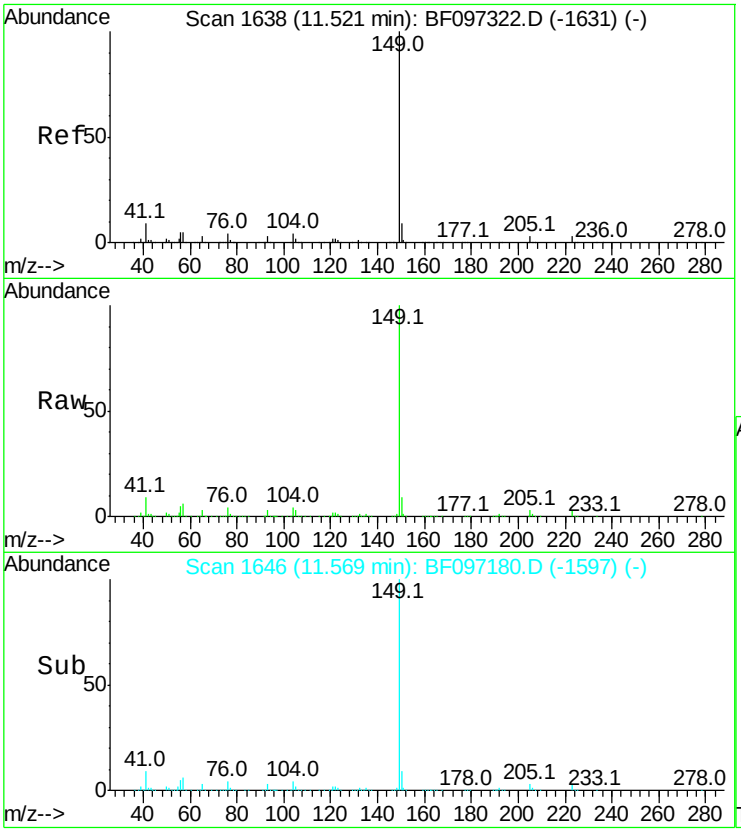




#72
Carbazole
Concen: 35.835 ng
RT: 11.23 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:167 Resp: 384825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 18.1 | 27.1 |
| 139 | 12.8 | 11.7 | 17.5 |



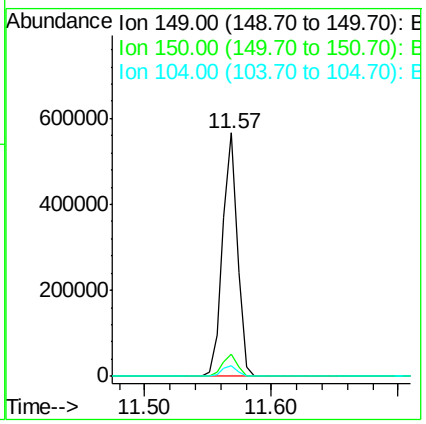


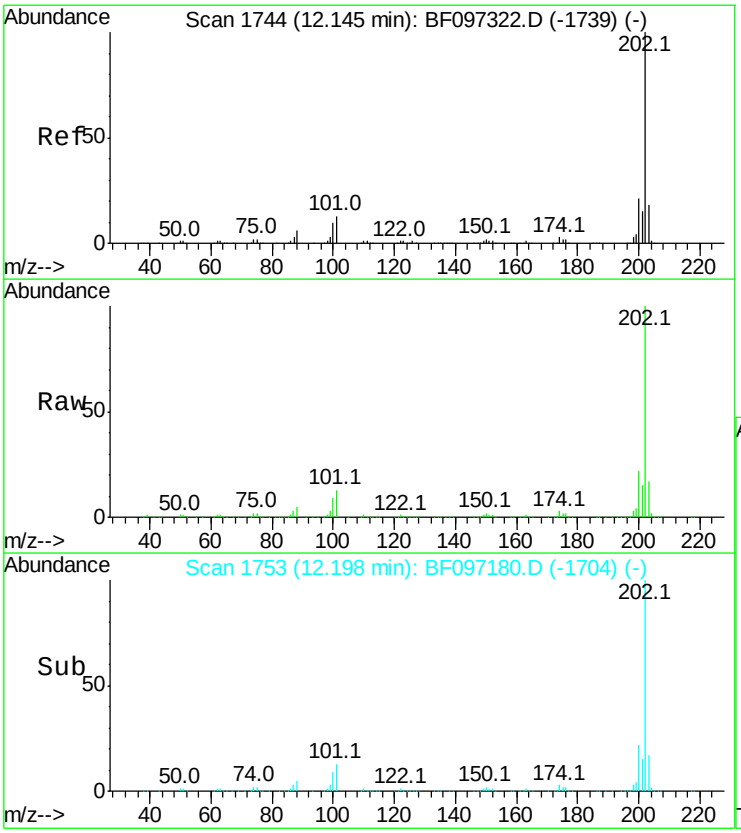

#73
Di-n-butylphthalate
Concen: 34.972 ng
RT: 11.57 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:149 Resp: 464233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.7 | 11.5 |
| 104 | 4.2 | 4.0 | 6.0 |

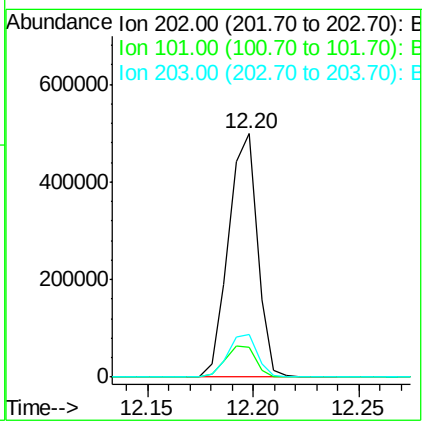


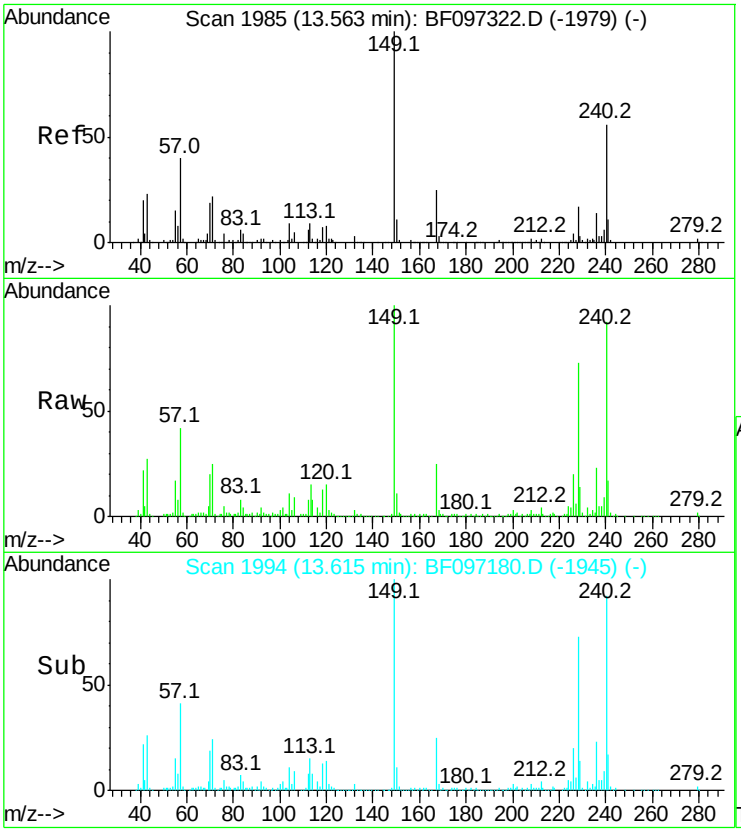




#74
Fluoranthene
Concen: 45.339 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:202 Resp: 473532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 33.2 |
| 203 | 17.5 | 0.0 | 38.1 |



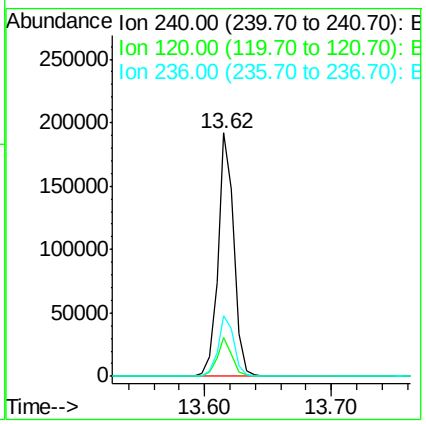


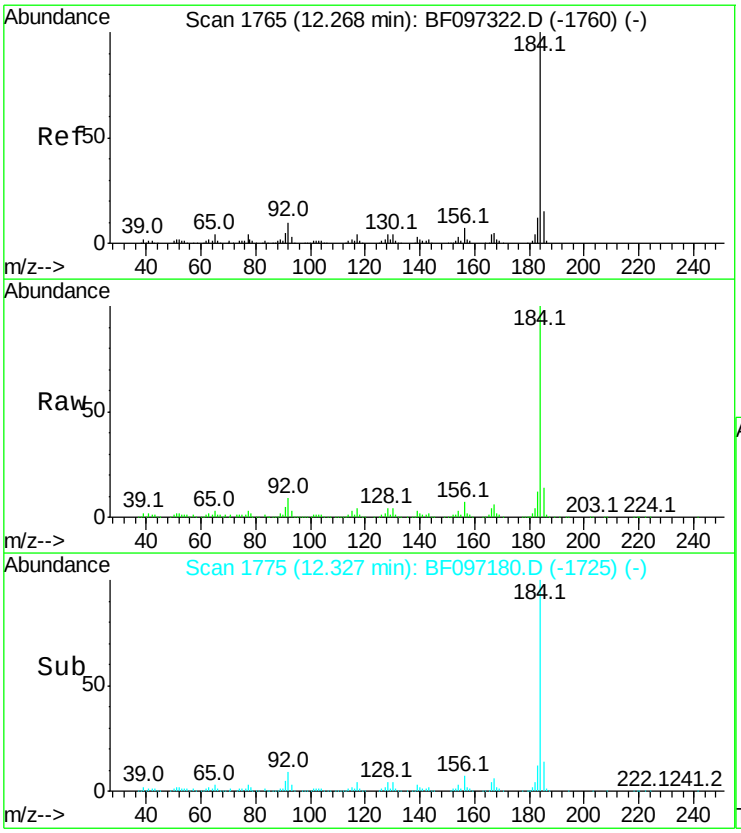

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:240 Resp: 167361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.9 | 5.8 | 8.8# |
| 236 | 24.9 | 20.5 | 30.7 |

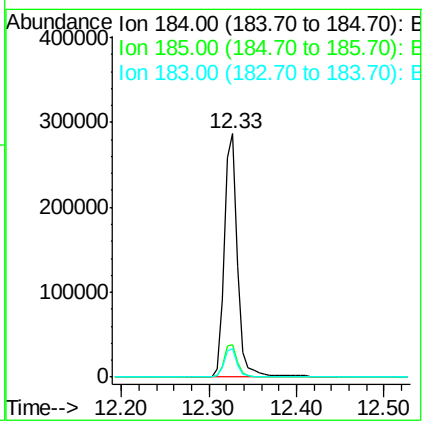


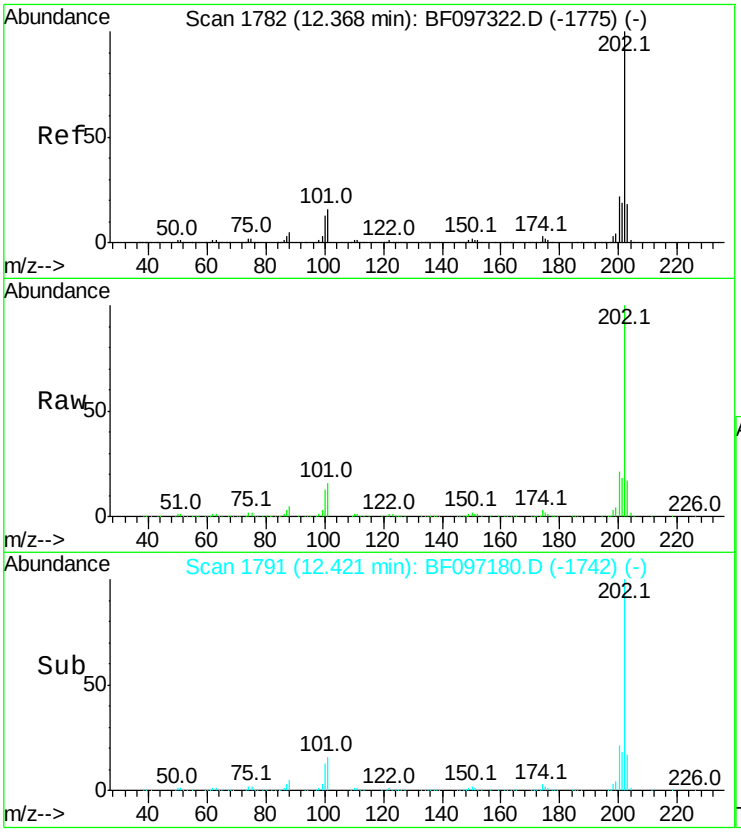




#76
Benzidine
Concen: 48.524 ng
RT: 12.33 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:184 Resp: 301328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.6 | 15.5 | 23.3# |
| 183 | 11.8 | 9.8 | 14.6 |



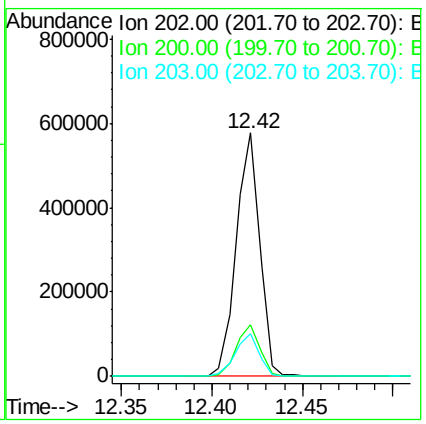


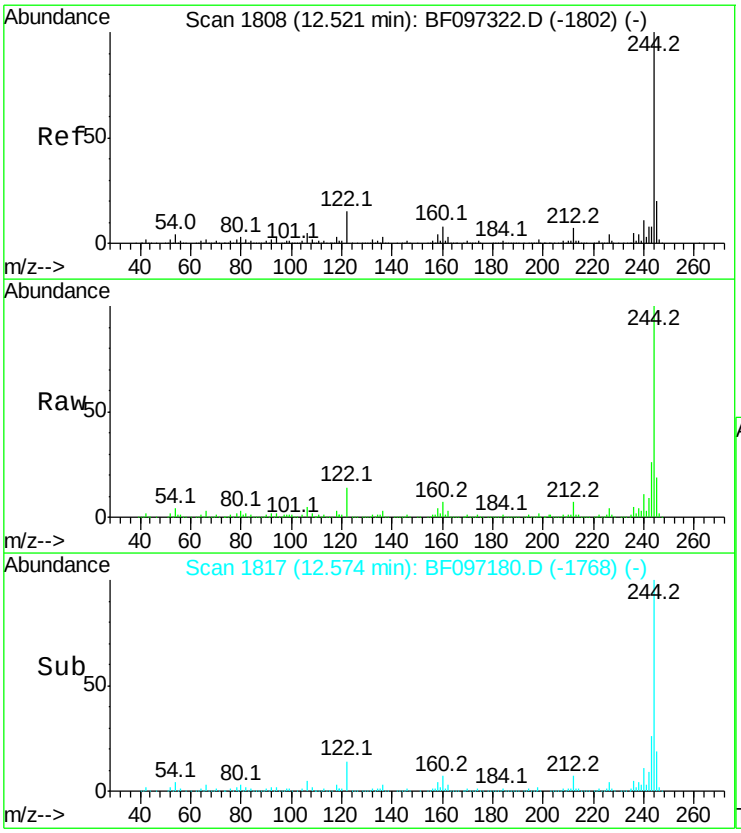

#77
Pyrene
Concen: 37.807 ng
RT: 12.42 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:202 Resp: 518005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.6 | 26.4 |
| 203 | 17.5 | 14.4 | 21.6 |

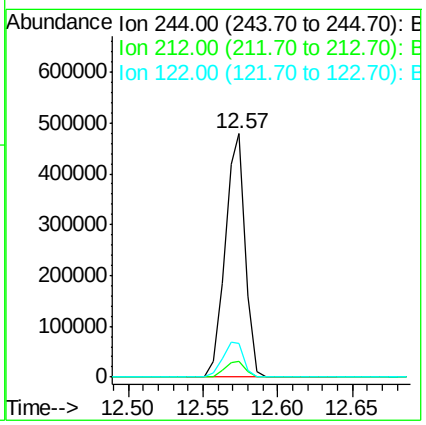


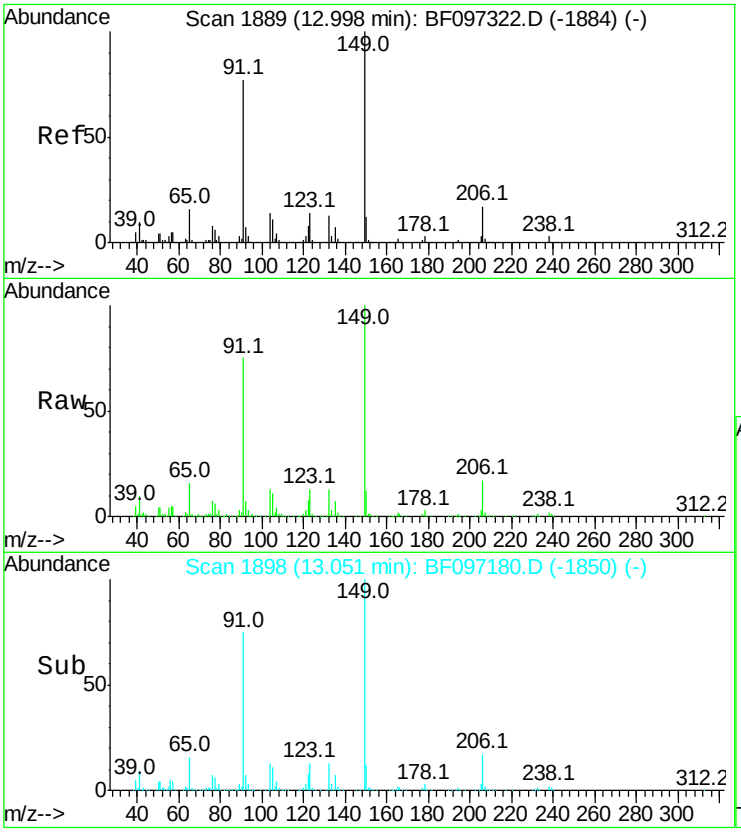




#78
Terphenyl-d14
Concen: 55.382 ng
RT: 12.57 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:244 Resp: 454604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.0 | 9.0 |
| 122 | 13.8 | 10.3 | 15.5 |



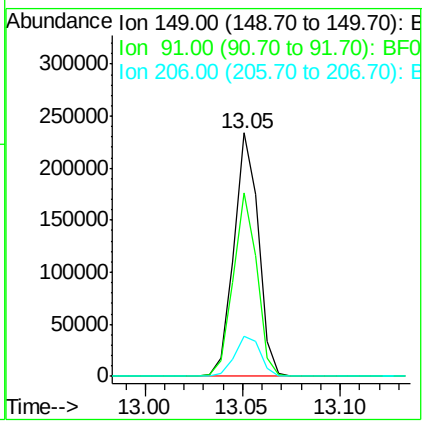


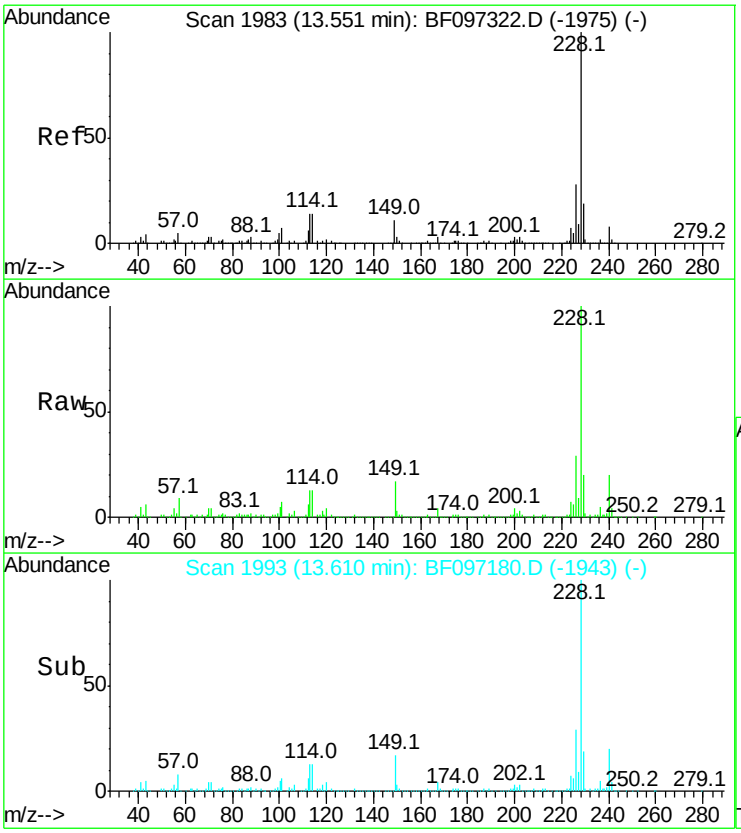

#79
Butylbenzylphthalate
Concen: 29.242 ng
RT: 13.05 min Scan# 1898
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:149 Resp: 203803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 75.5 | 45.0 | 67.4# |
| 206 | 16.5 | 17.0 | 25.6# |

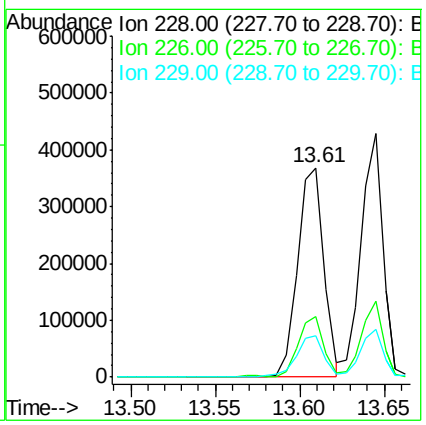


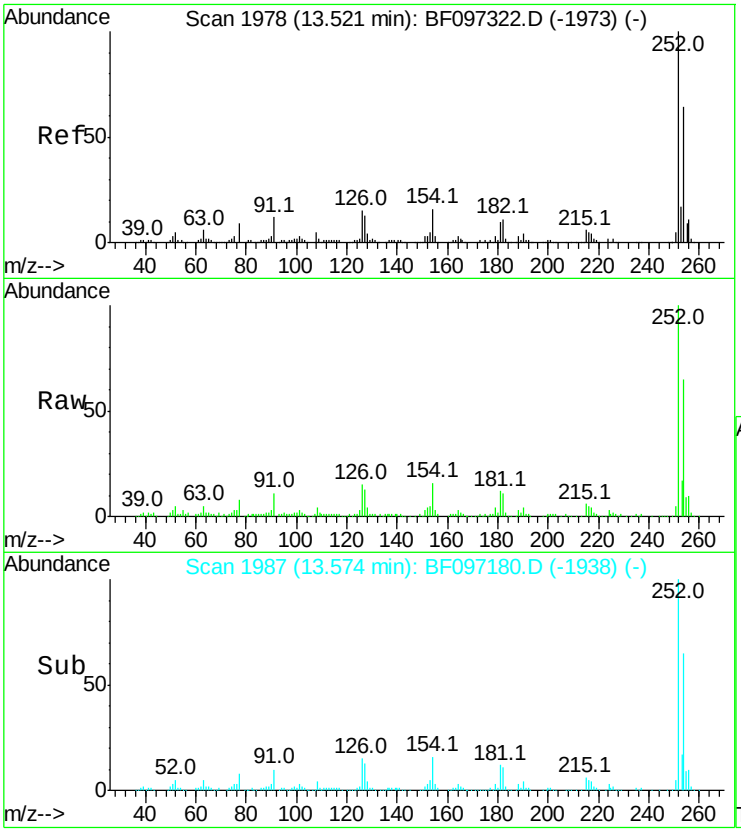




#80
Benzo(a)anthracene
Concen: 36.530 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:228 Resp: 395583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 22.6 | 33.8 |
| 229 | 19.6 | 16.3 | 24.5 |



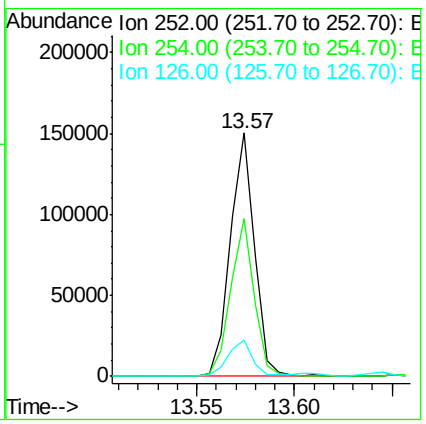


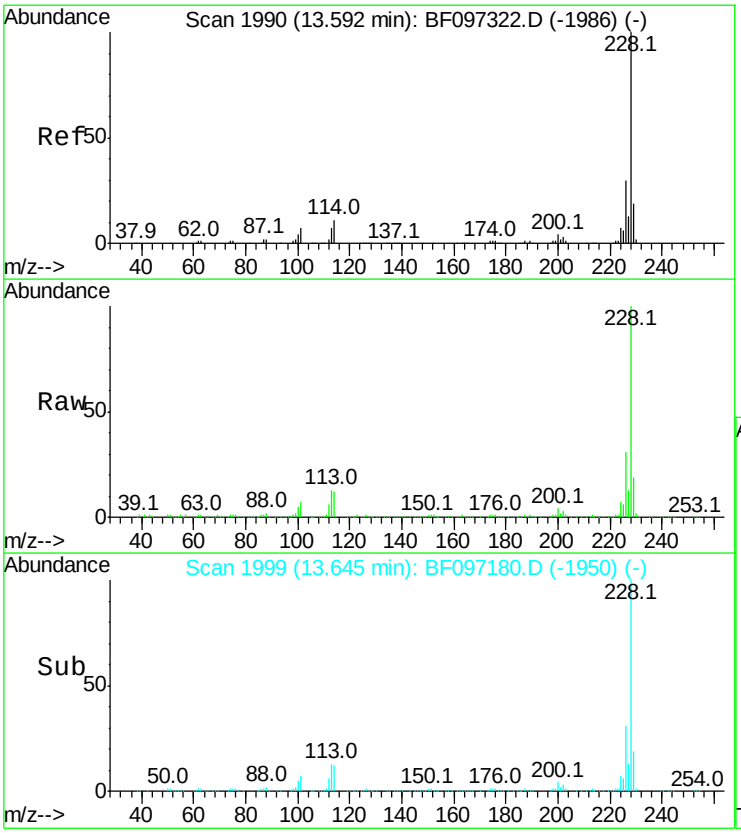

#81
3,3'-Dichlorobenzidine
Concen: 31.660 ng
RT: 13.57 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:252 Resp: 129289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.5 | 77.3 |
| 126 | 15.1 | 15.8 | 23.8# |

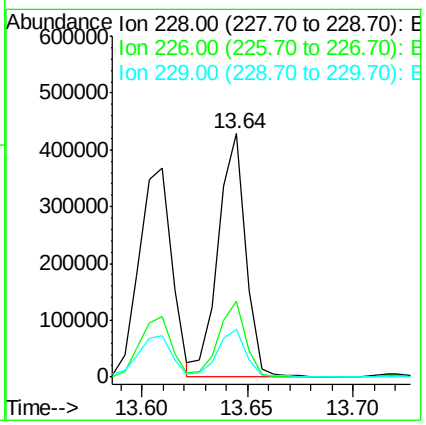


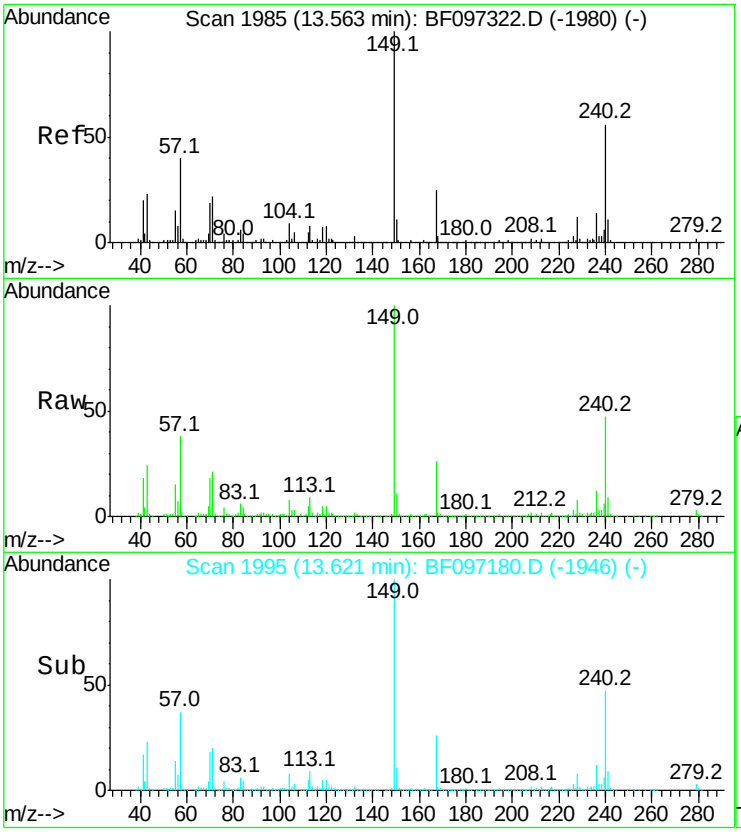




#82
Chrysene
Concen: 36.443 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:228 Resp: 385349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.9 | 37.3 |
| 229 | 19.5 | 15.8 | 23.6 |



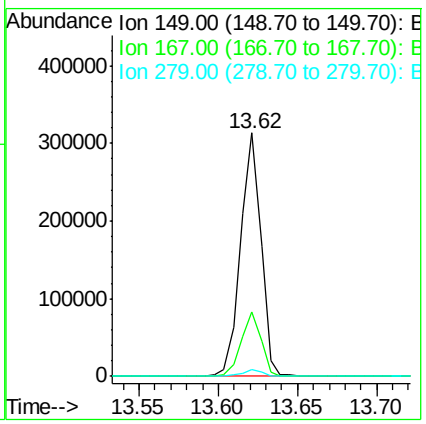


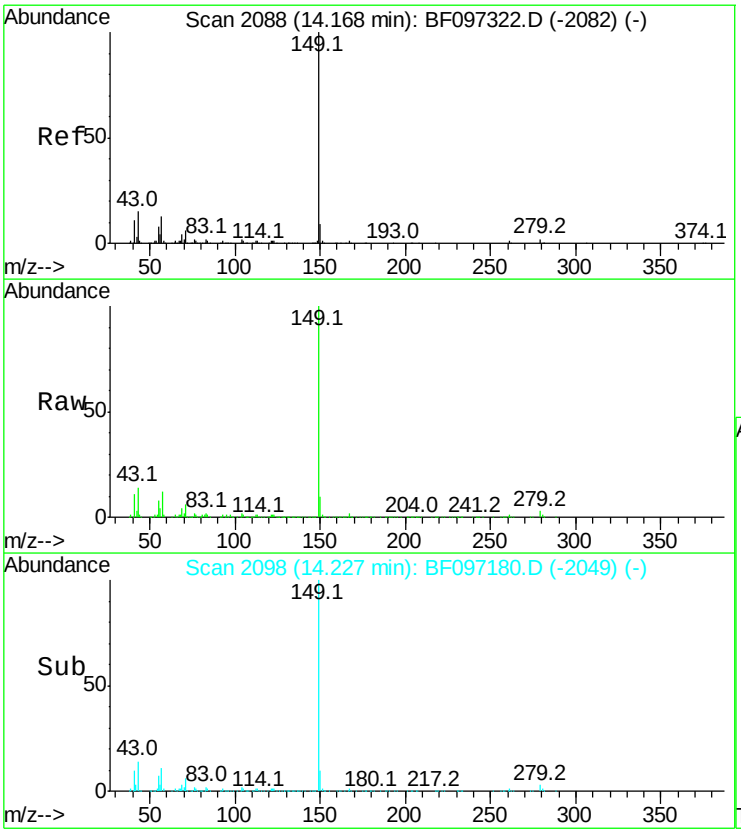

#83
Bis(2-ethylhexyl)phthalate
Concen: 30.514 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:149 Resp: 277673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.3 | 21.0 | 31.4 |
| 279 | 2.8 | 1.9 | 2.9 |

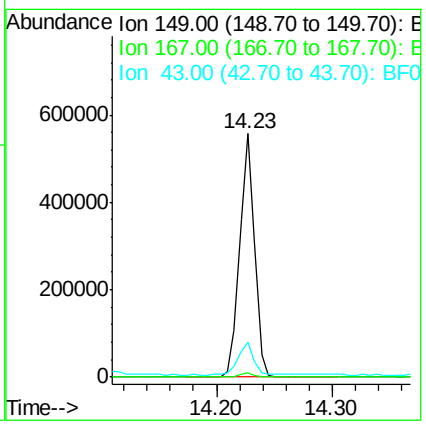


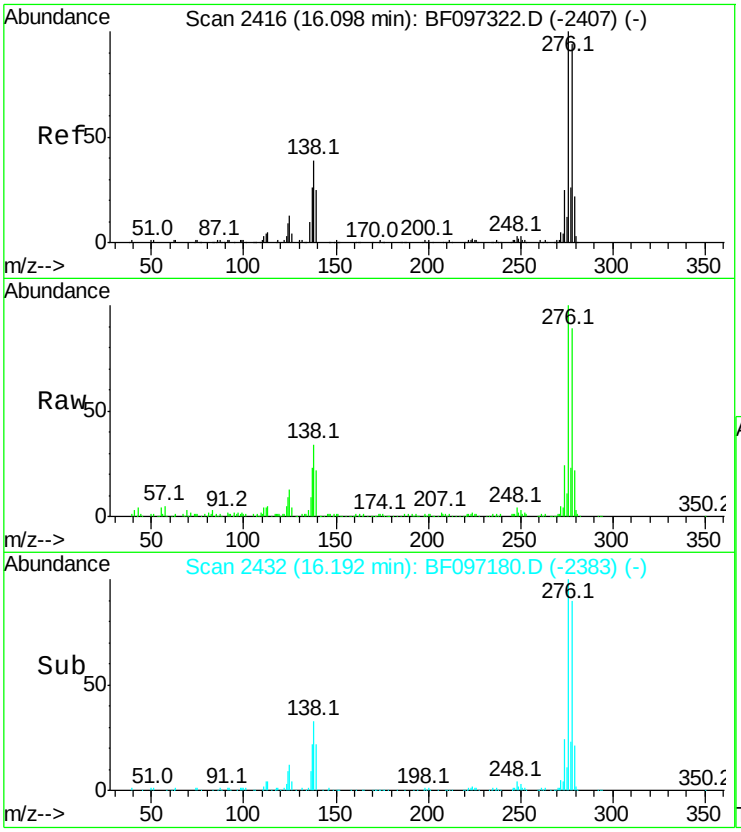




#84
Di-n-octyl phthalate
Concen: 29.639 ng
RT: 14.23 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:149 Resp: 494948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 14.1 | 8.5 | 12.7# |



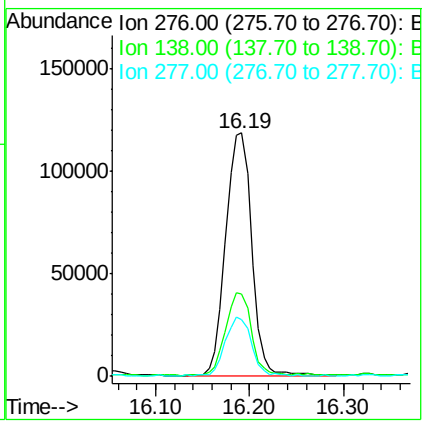


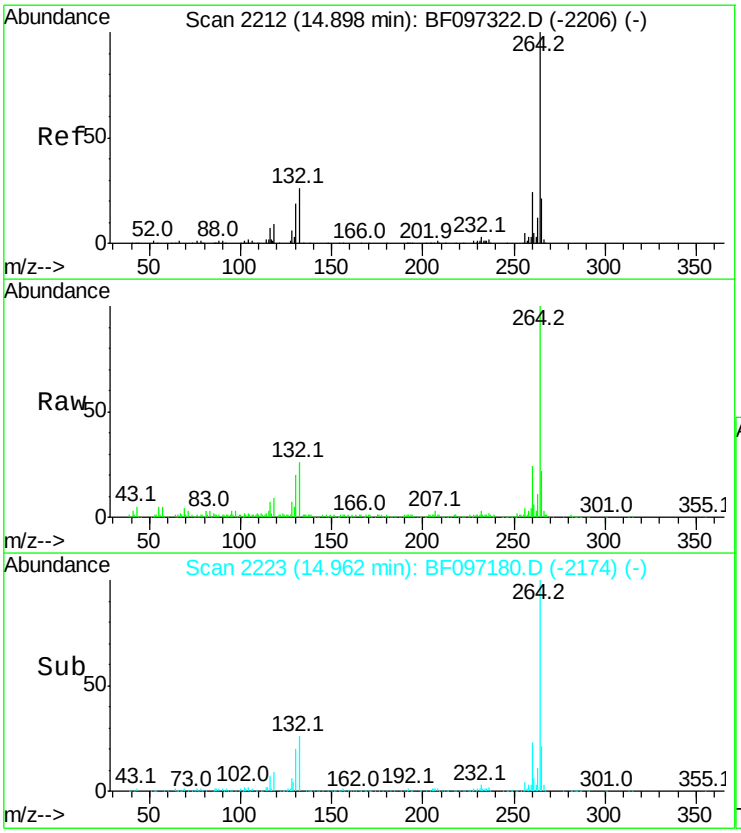

#85
Indeno(1,2,3-cd)pyrene
Concen: 25.279 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:276 Resp: 229205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.6 | 27.8 | 41.6 |
| 277 | 25.4 | 20.2 | 30.4 |

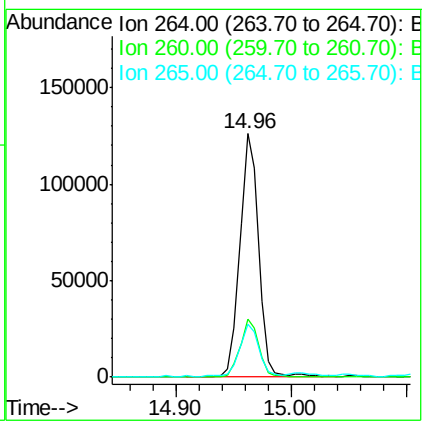


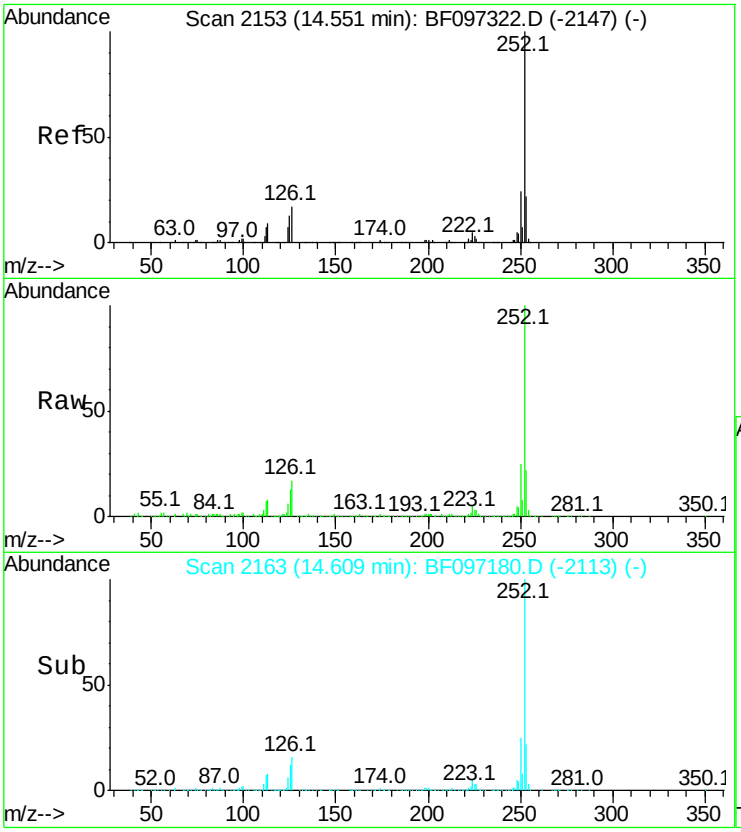




#86
Perylene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:264 Resp: 142637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.5 | 29.3 |
| 265 | 21.7 | 17.2 | 25.8 |



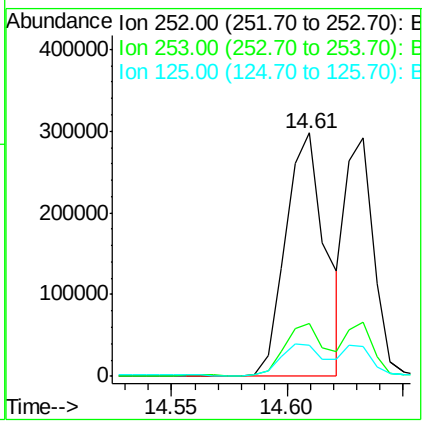


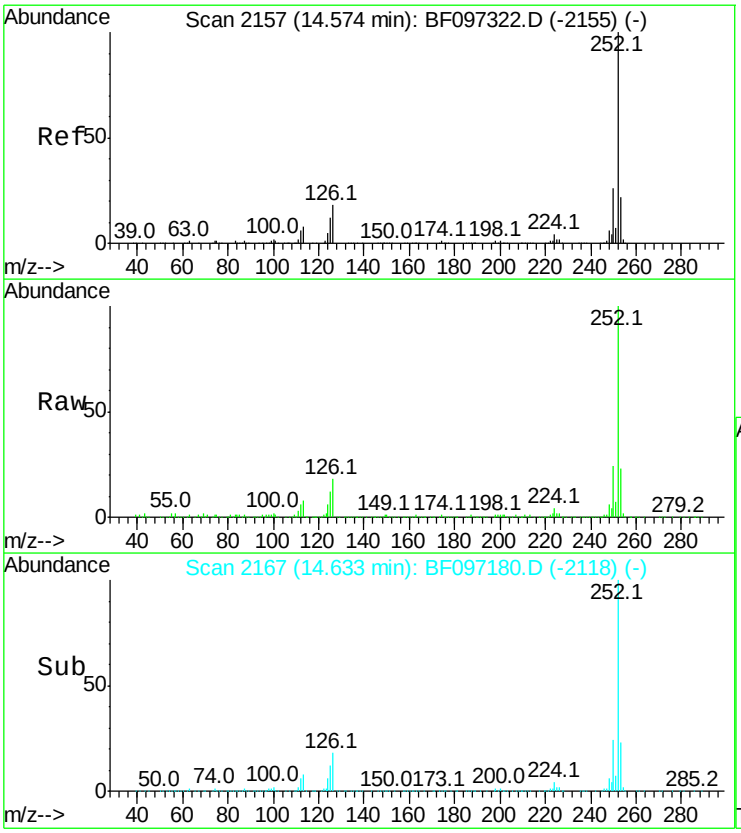

#87
Benzo(b)fluoranthene
Concen: 41.477 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:252 Resp: 355634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 18.1 | 27.1 |
| 125 | 12.7 | 9.8 | 14.8 |

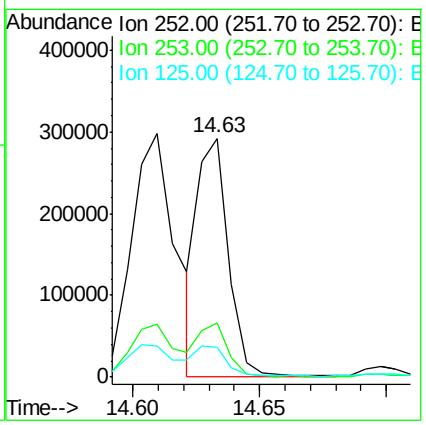


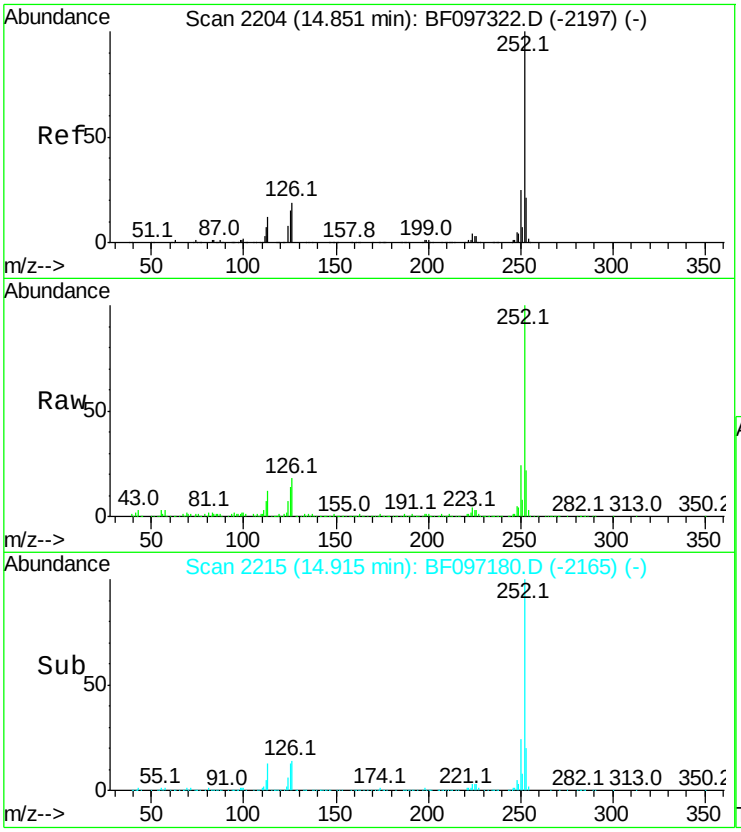




#88
Benzo(k)fluoranthene
Concen: 30.213 ng
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:252 Resp: 246852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.4 | 27.6 |
| 125 | 12.3 | 13.1 | 19.7# |



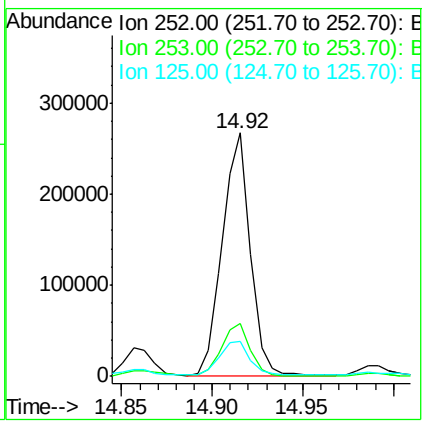


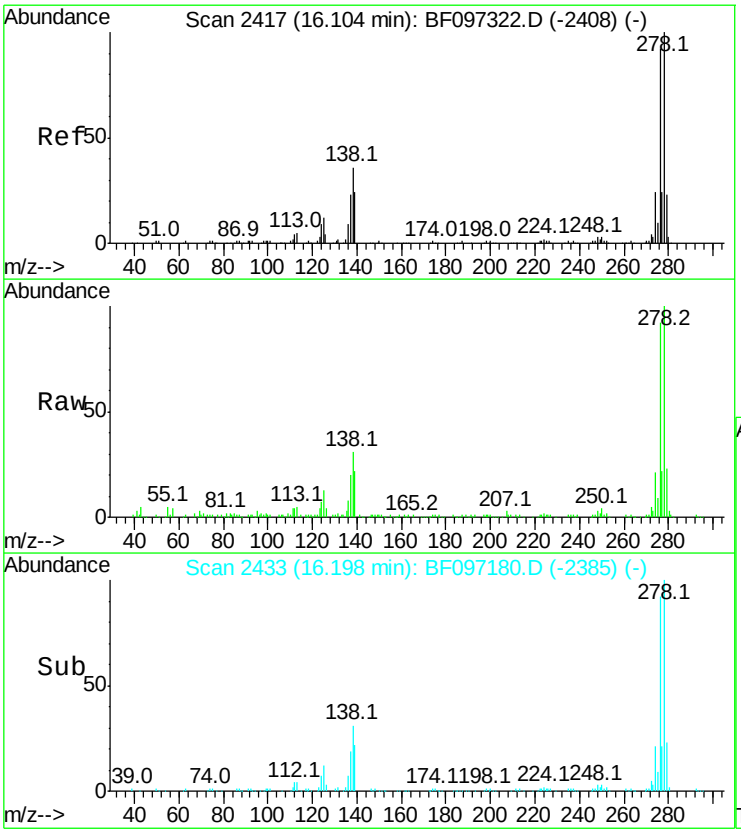

#89
Benzo(a)pyrene
Concen: 36.599 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:252 Resp: 287203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 14.3 | 11.0 | 16.4 |

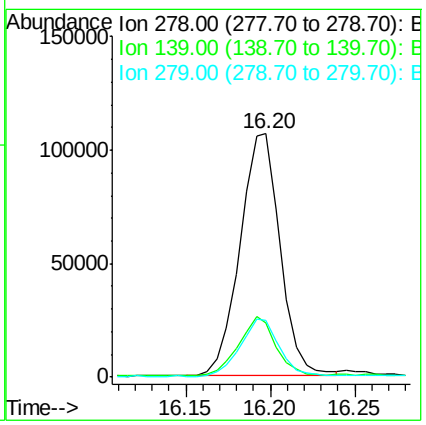


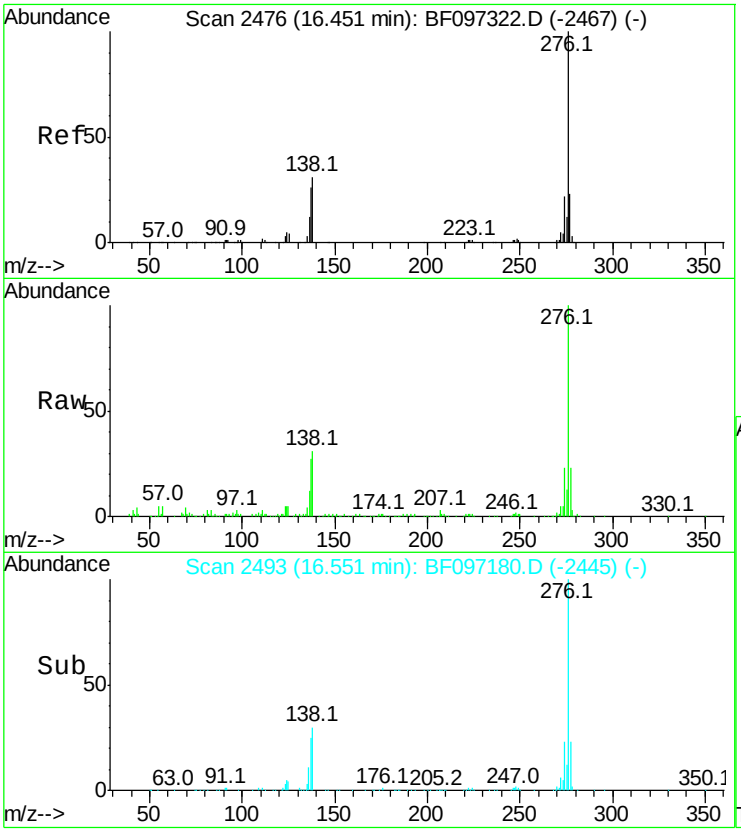




#90
Dibenzo(a,h)anthracene
Concen: 27.364 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:278 Resp: 176090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.2 | 16.6 | 24.8 |
| 279 | 23.0 | 19.3 | 28.9 |






#91
Benzo(g,h,i)perylene
Concen: 27.854 ng
RT: 16.55 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

**Instrument :**
BNA_F
**ClientSampleId :**
TP-18D24MSD

Tgt Ion:276 Resp: 187968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 30.5 | 25.4 | 38.0 |