Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084459.D
Acq On : 13 Jan 2016 23:28
Operator : SJ/UM
Sample : H1083-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HSR-WC-15-010516MSD

Quant Time: Jan 14 15:29:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 272147 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1146244 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 523058 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 978581 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 780189 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 571120 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 1767687 | 105.06 | ng | | 0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 2288278 | 108.29 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1555206 | 75.51 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 689400 | 130.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 2558327 | 86.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.95 | 244 | 2442313 | 69.88 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 281447 | 35.31 | ng | # | 69 |
| 3) Pyridine | 3.30 | 79 | 664506m | 29.90 | ng | | |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 392263 | 34.39 | ng | # | 97 |
| 6) Aniline | 6.50 | 93 | 378865 | 12.26 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.62 | 128 | 799988 | 41.91 | ng | | 95 |
| 9) Benzaldehyde | 6.38 | 77 | 103068 | 7.49 | ng | | 89 |
| 10) Phenol | 6.50 | 94 | 963484 | 40.10 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 827771 | 44.48 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 748944 | 38.03 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 798976 | 40.46 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 686410 | 36.30 | ng | | 96 |
| 15) Benzyl Alcohol | 6.98 | 79 | 659988 | 37.13 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1267550 | 37.40 | ng | | 89 |
| 17) 2-Methylphenol | 7.10 | 107 | 667129 | 41.70 | ng | | 97 |
| 18) Hexachloroethane | 7.34 | 117 | 298434 | 37.79 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 528246 | 36.93 | ng | # | 74 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 744416 | 39.59 | ng | # | 58 |
| 22) Acetophenone | 7.25 | 105 | 1092817 | 39.65 | ng | # | 94 |
| 24) Nitrobenzene | 7.42 | 77 | 904356 | 43.29 | ng | | 92 |
| 25) Isophorone | 7.66 | 82 | 1584027 | 40.21 | ng | | 97 |
| 26) 2-Nitrophenol | 7.73 | 139 | 415710 | 43.73 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 740340 | 38.47 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 999762 | 41.55 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 664820 | 41.47 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 696682 | 42.10 | ng | | 96 |
| 31) Naphthalene | 8.14 | 128 | 2791890 | 53.68 | ng | | 97 |
| 32) Benzoic acid | 7.92 | 122 | 475785 | 39.68 | ng | | 99 |
| 33) 4-Chloroaniline | 8.19 | 127 | 268111 | 11.25 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 363229 | 38.18 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 193541m | 35.82 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 785060 | 43.72 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 1516743 | 40.63 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 624870 | 41.56 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.99 | 237 | 640095 | 70.51 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084459.D
Acq On : 13 Jan 2016 23:28
Operator : SJ/UM
Sample : H1083-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HSR-WC-15-010516MSD

Quant Time: Jan 14 15:29:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 467913 | 41.59 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 458863 | 42.55 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 1755484 | 42.23 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 1329660 | 40.72 | ng | | 94 |
| 47) 2-Nitroaniline | 9.42 | 65 | 525070 | 48.72 | ng | # | 82 |
| 48) Acenaphthylene | 9.73 | 152 | 2117633 | 43.90 | ng | | 97 |
| 49) Dimethylphthalate | 9.61 | 163 | 1677733 | 44.87 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 379653 | 46.29 | ng | # | 66 |
| 51) Acenaphthene | 9.90 | 154 | 1578892 | 48.79 | ng | | 97 |
| 52) 3-Nitroaniline | 9.84 | 138 | 129141 | 12.71 | ng | # | 72 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 386303 | 109.21 | ng | # | 81 |
| 54) Dibenzofuran | 10.09 | 168 | 1922549 | 45.93 | ng | | 97 |
| 55) 4-Nitrophenol | 10.01 | 139 | 555525 | 75.31 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 458059 | 44.13 | ng | # | 86 |
| 57) Fluorene | 10.42 | 166 | 1422276 | 43.82 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 401171 | 43.57 | ng | | 91 |
| 59) Diethylphthalate | 10.30 | 149 | 1585470 | 43.00 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 680604 | 50.79 | ng | | 95 |
| 61) 4-Nitroaniline | 10.45 | 138 | 403416 | 44.53 | ng | # | 83 |
| 62) Azobenzene | 10.58 | 77 | 1836286 | 45.41 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 282739 | 47.67 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 1299636 | 41.54 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 466316 | 44.27 | ng | | 99 |
| 67) Hexachlorobenzene | 10.97 | 284 | 464266 | 39.16 | ng | # | 84 |
| 68) Atrazine | 11.07 | 200 | 444323 | 43.40 | ng | | 98 |
| 69) Pentachlorophenol | 11.17 | 266 | 522349 | 84.98 | ng | | 98 |
| 70) Phenanthrene | 11.38 | 178 | 2167359 | 42.34 | ng | | 96 |
| 71) Anthracene | 11.44 | 178 | 2279951 | 45.44 | ng | | 97 |
| 72) Carbazole | 11.60 | 167 | 2168771 | 44.21 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 2502869 | 49.13 | ng | # | 96 |
| 74) Fluoranthene | 12.57 | 202 | 2147779 | 40.17 | ng | | 98 |
| 76) Benzidine | 12.69 | 184 | 67347 | 2.41 | ng | | 98 |
| 77) Pyrene | 12.80 | 202 | 2179841 | 35.60 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 1097936 | 41.44 | ng | # | 85 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 1659113 | 36.22 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 387258 | 24.22 | ng | # | 98 |
| 82) Chrysene | 14.02 | 228 | 1594657 | 36.22 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 1307153 | 39.05 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 2107802 | 37.30 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 1380600 | 39.56 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 1765702m | 47.26 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 1146598m | 37.53 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 1374748 | 43.38 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.81 | 278 | 1155169 | 42.36 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 1190346 | 42.15 | ng | | 99 |

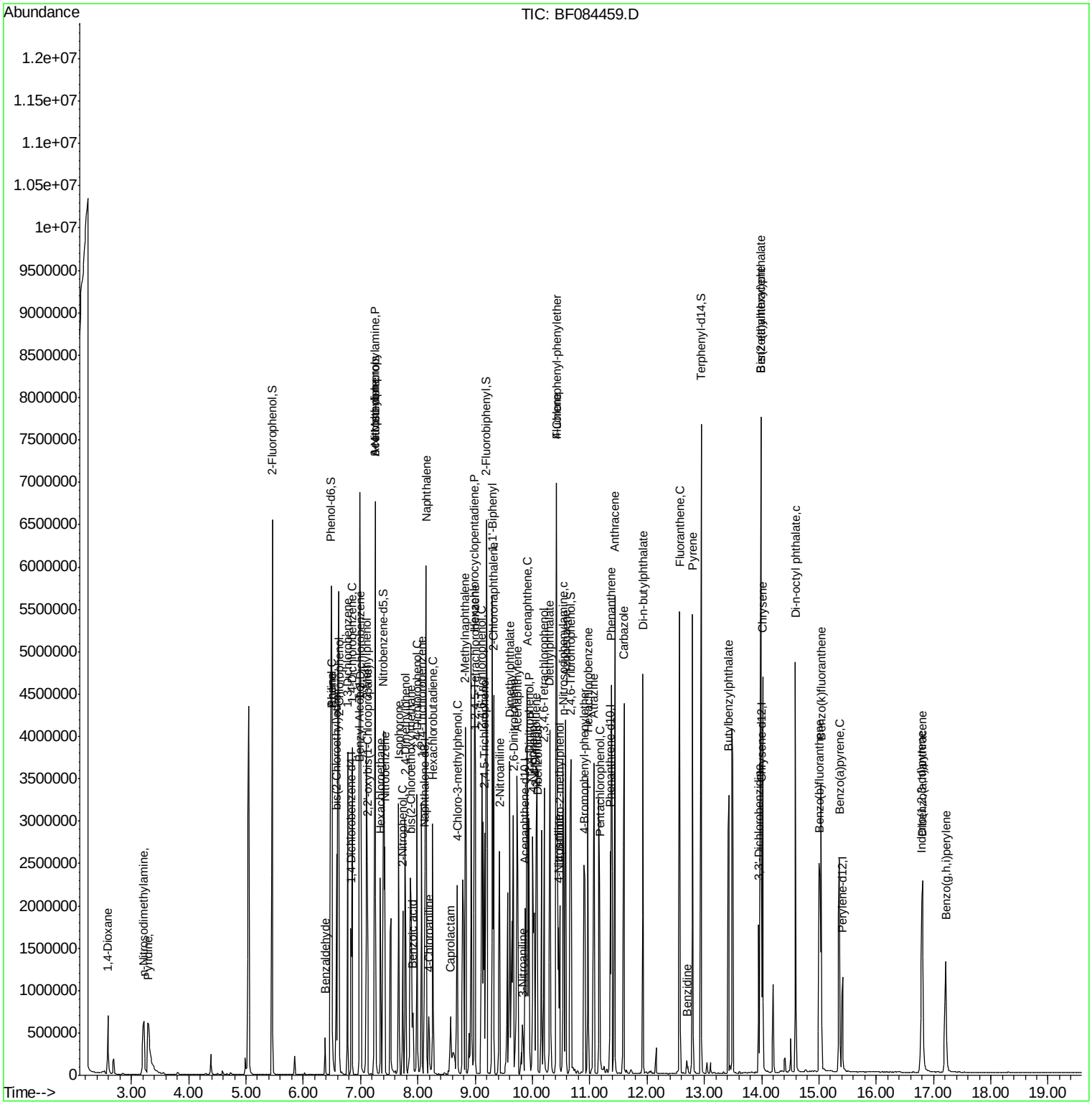
(#) = qualifier out of range (m) = manual integration (+) = signals summed

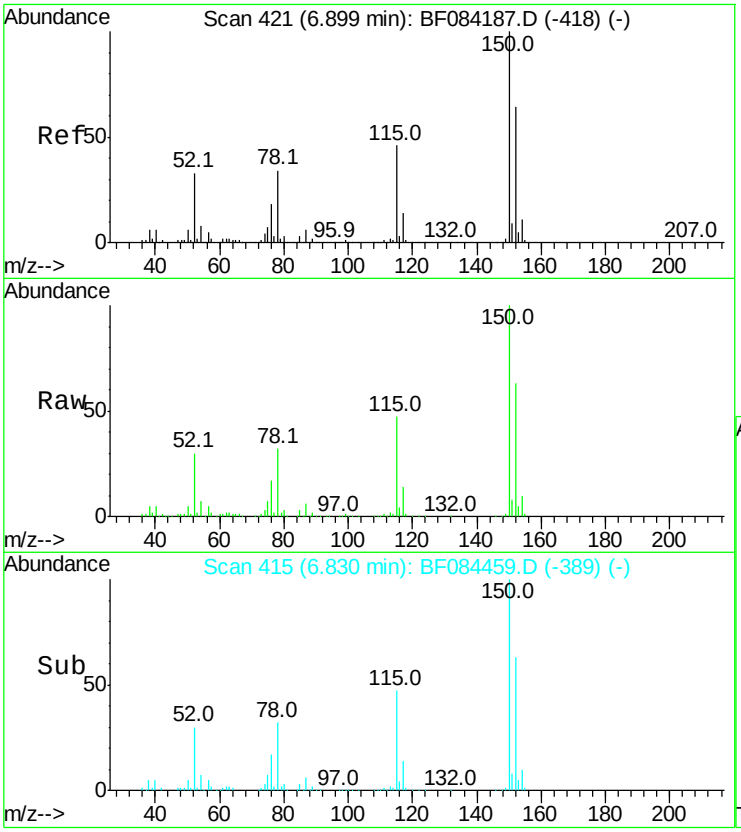
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084459.D
Acq On : 13 Jan 2016 23:28
Operator : SJ/UM
Sample : H1083-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Quant Time: Jan 14 15:29:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration



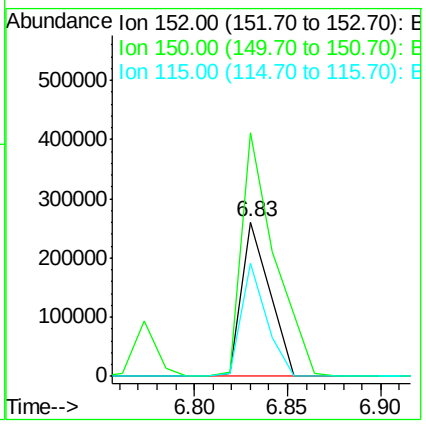


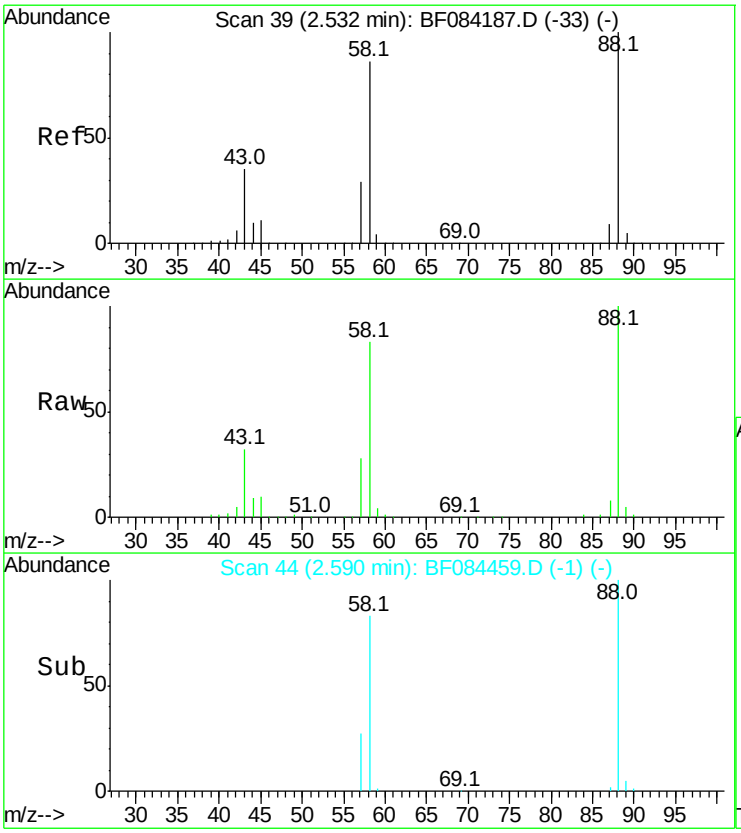

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:152 Resp: 272147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 123.0 | 184.4 |
| 115 | 73.6 | 51.4 | 77.2 |

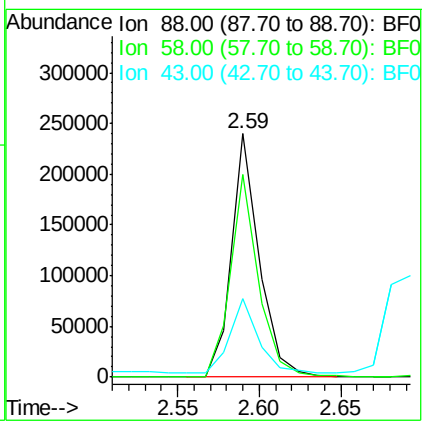


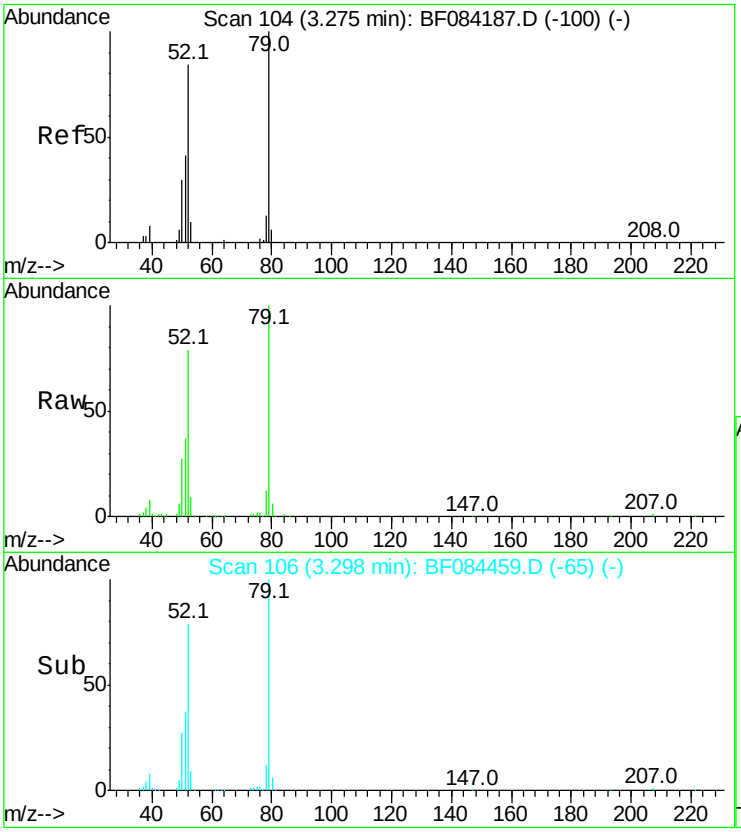




#2
1,4-Dioxane
Concen: 35.31 ng
RT: 2.59 min Scan# 44
Delta R.T. 0.19 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 88 Resp: 281447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.3 | 51.2 | 76.8# |
| 43 | 0.0 | 19.5 | 29.3# |



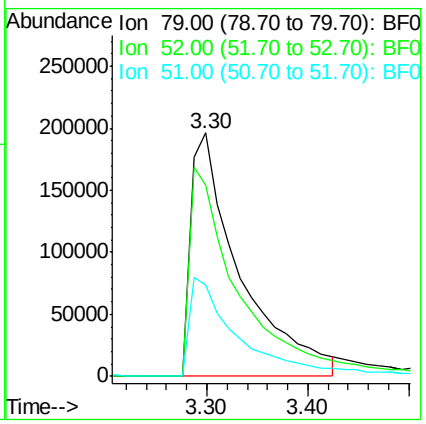


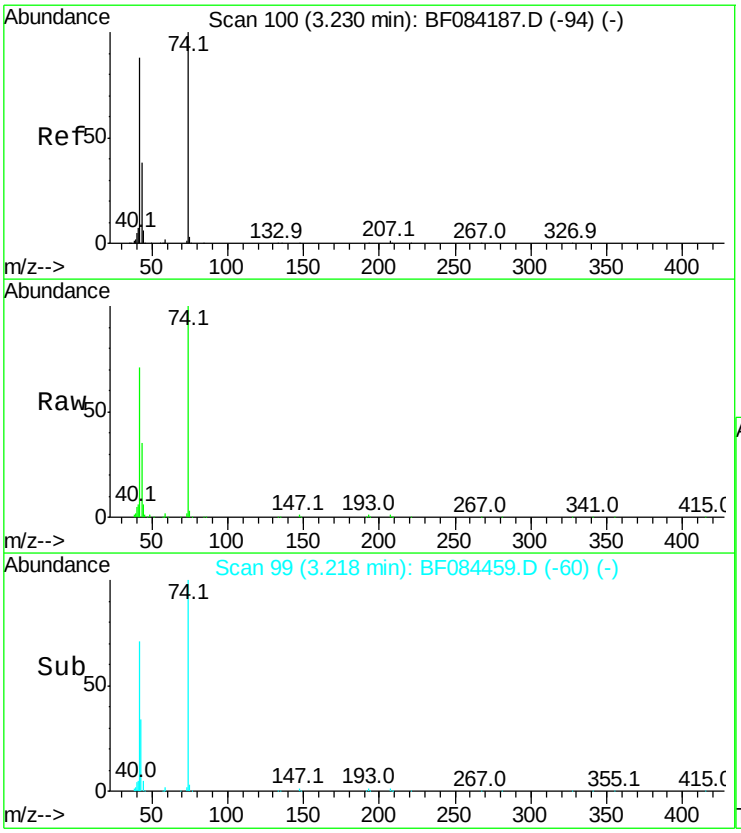

#3
Pyridine
Concen: 29.90 ng m
RT: 3.30 min Scan# 106
Delta R.T. 0.17 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 79 Resp: 664506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 78.6 | 49.0 | 73.4# |
| 51 | 37.5 | 25.2 | 37.8 |

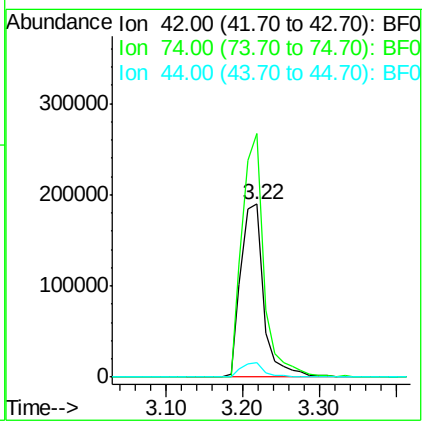


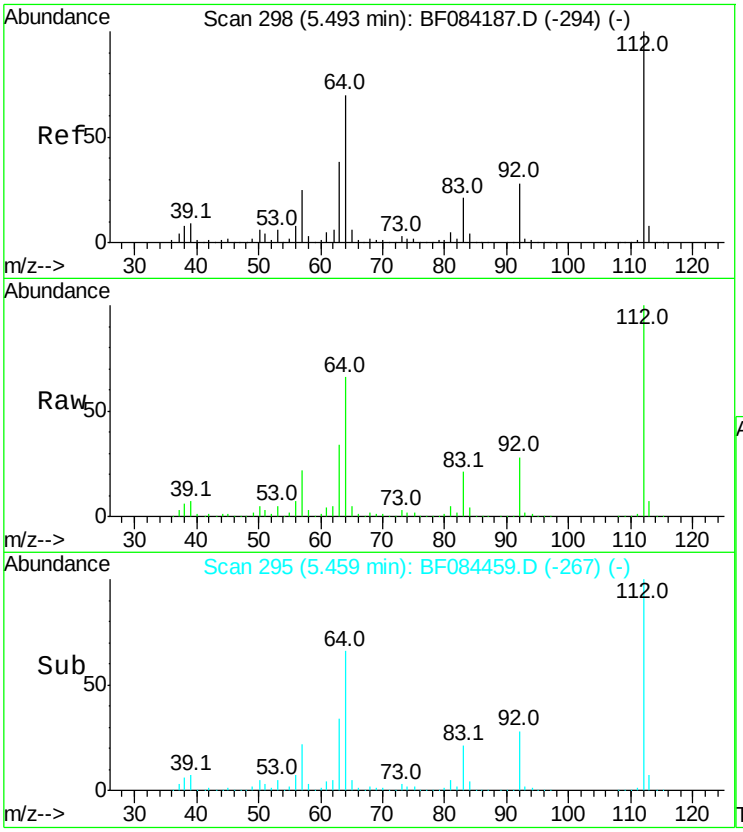




#4
n-Nitrosodimethylamine
Concen: 34.39 ng
RT: 3.22 min Scan# 99
Delta R.T. 0.15 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 42 Resp: 392263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 140.7 | 115.7 | 173.5 |
| 44 | 8.1 | 5.1 | 7.7# |



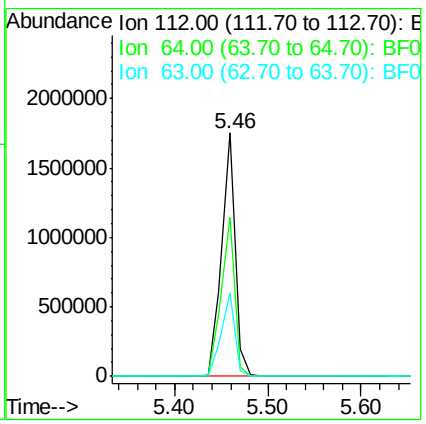


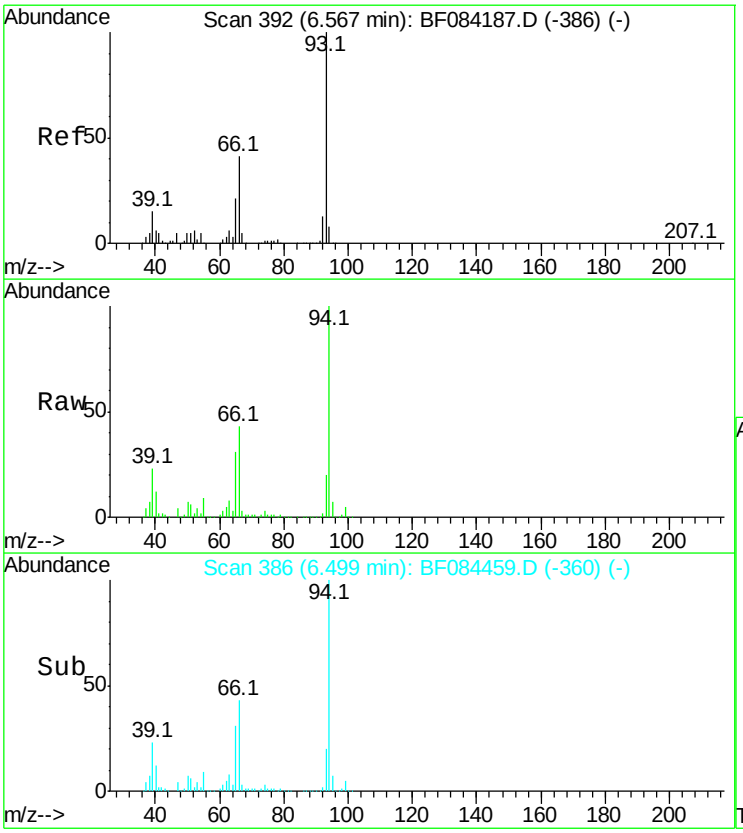

#5
2-Fluorophenol
Concen: 105.06 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.02 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:112 Resp: 1767687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.6 | 36.6 | 55.0# |
| 63 | 34.5 | 19.4 | 29.0# |

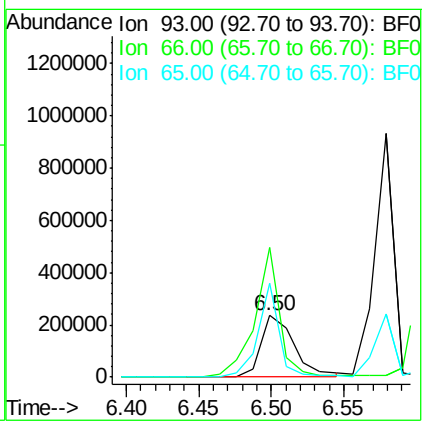


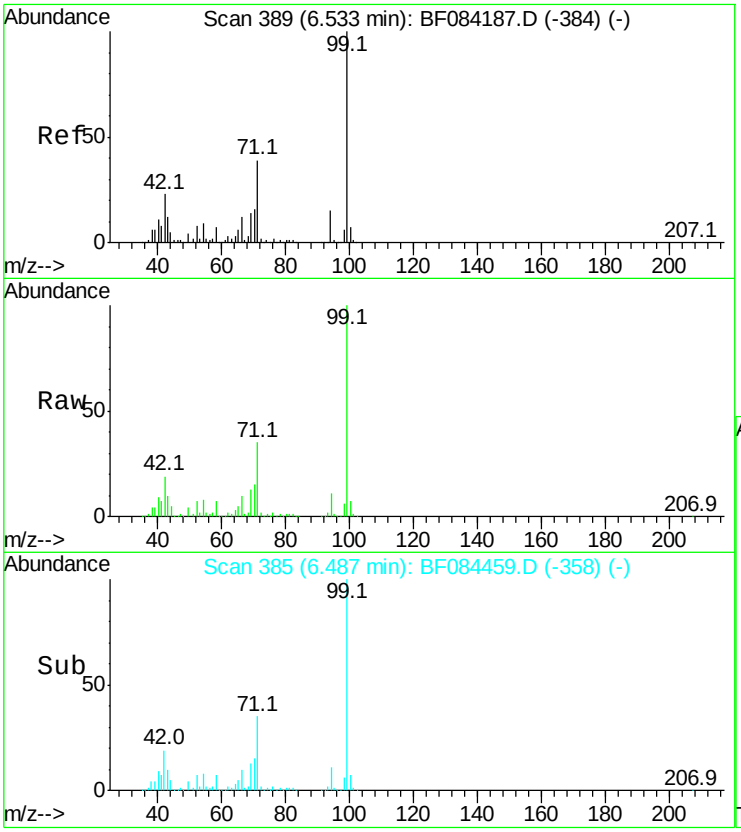




#6
Aniline
Concen: 12.26 ng
RT: 6.50 min Scan# 386
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 93 Resp: 378865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 211.1 | 44.9 | 67.3# |
| 65 | 153.2 | 23.7 | 35.5# |



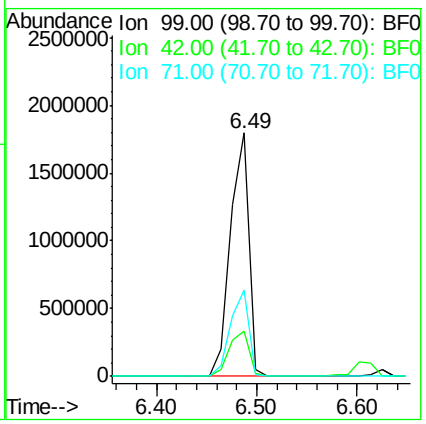


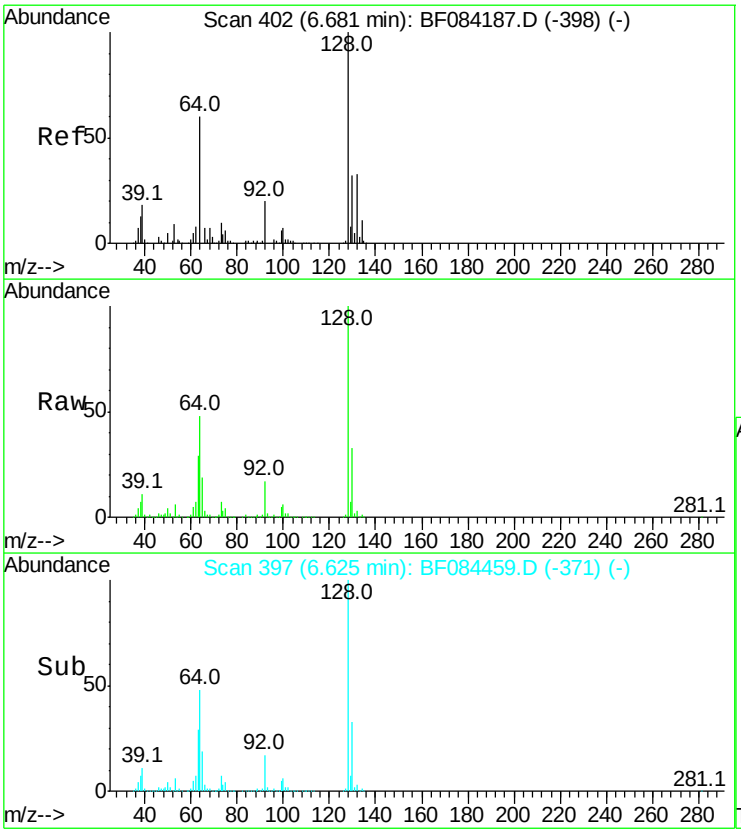

#7
Phenol-d6
Concen: 108.29 ng
RT: 6.49 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 99 Resp: 2288278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 12.8 | 19.2 |
| 71 | 35.2 | 30.9 | 46.3 |

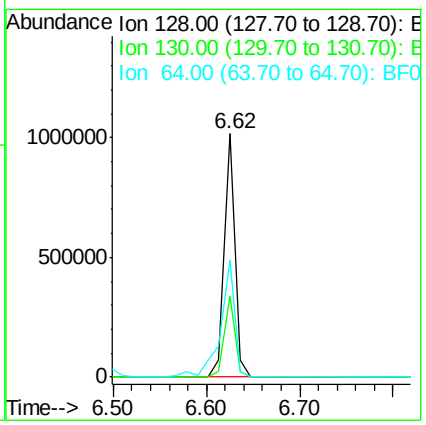


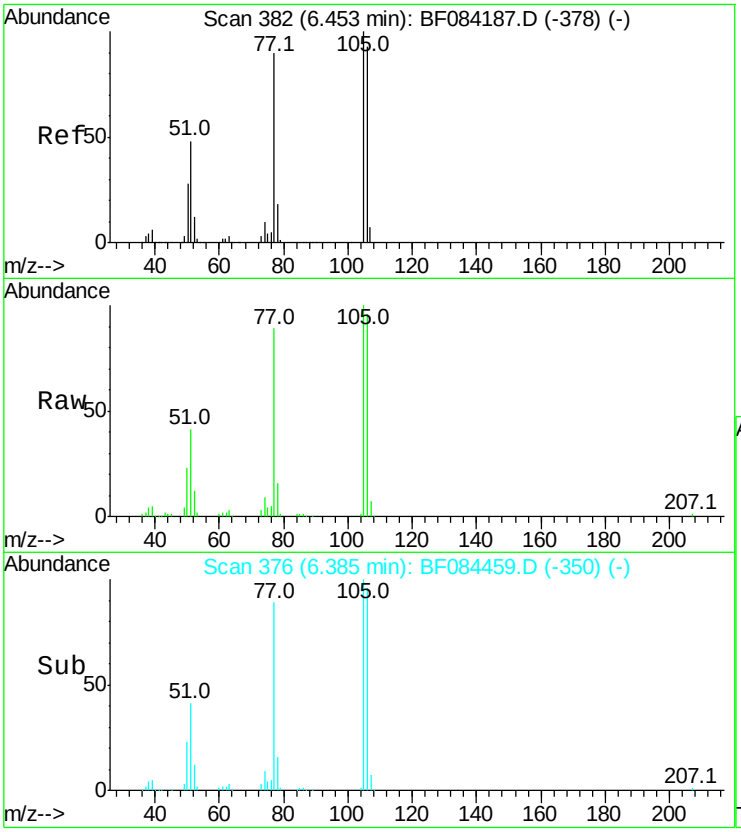




#8
2-Chlorophenol
Concen: 41.91 ng
RT: 6.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:128 Resp: 799988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.4 | 11.6 | 51.6 |
| 64 | 48.3 | 23.8 | 63.8 |



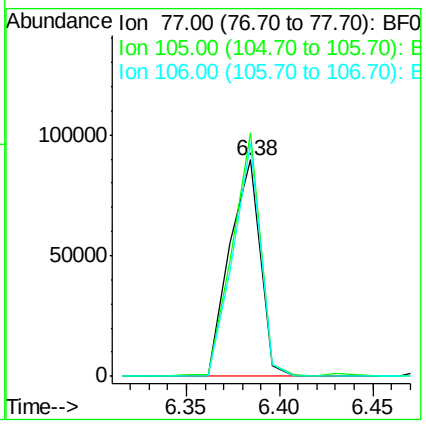


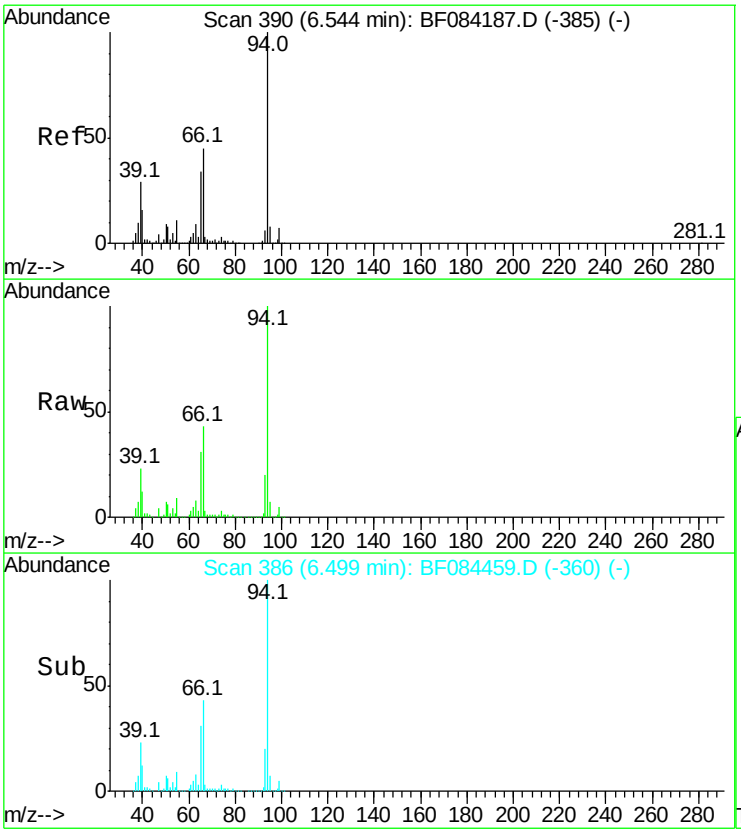

#9
Benzaldehyde
Concen: 7.49 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 77 Resp: 103068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 112.4 | 83.0 | 123.0 |
| 106 | 107.7 | 74.6 | 114.6 |

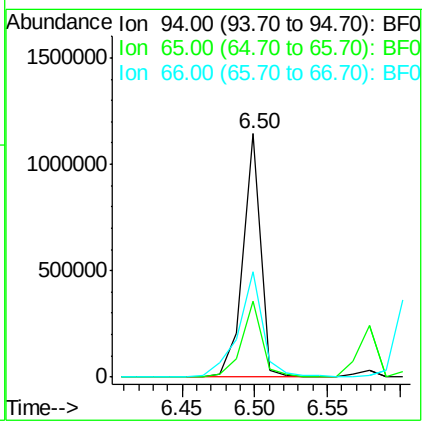


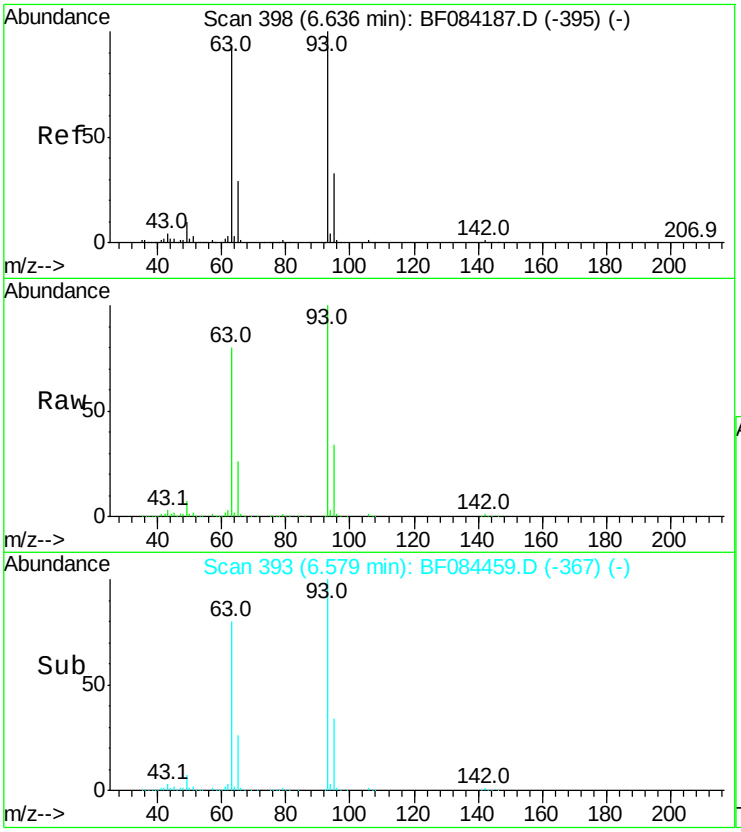




#10
Phenol
Concen: 40.10 ng
RT: 6.50 min Scan# 386
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 94 Resp: 963484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.4 | 12.9 | 52.9 |
| 66 | 43.3 | 32.7 | 72.7 |



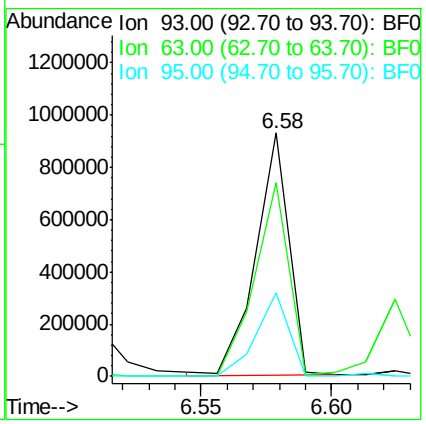


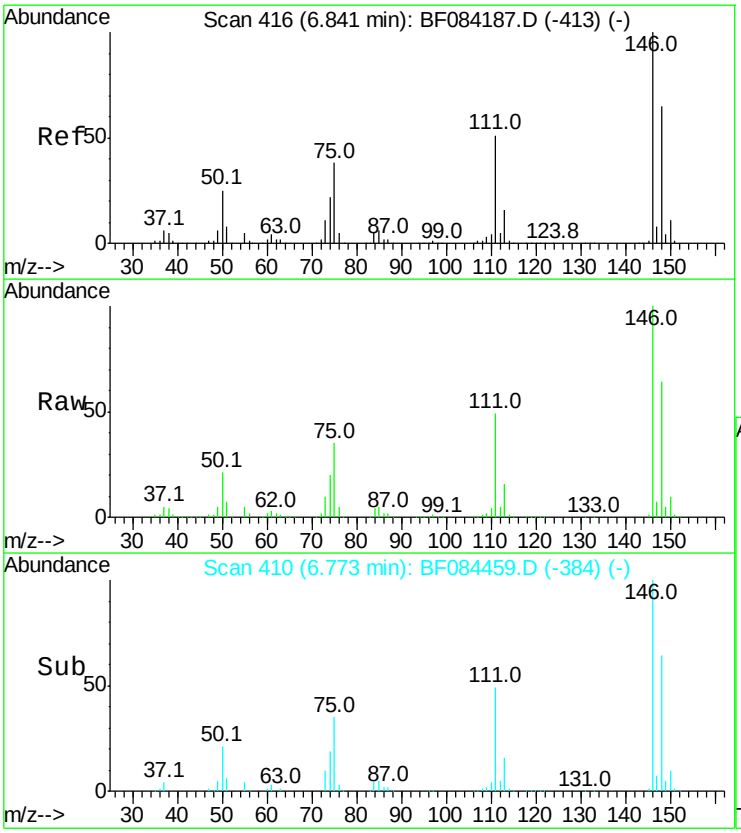

#11
bis(2-Chloroethyl)ether
Concen: 44.48 ng
RT: 6.58 min Scan# 393
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 93 Resp: 827771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.5 | 45.9 | 85.9 |
| 95 | 34.1 | 12.3 | 52.3 |

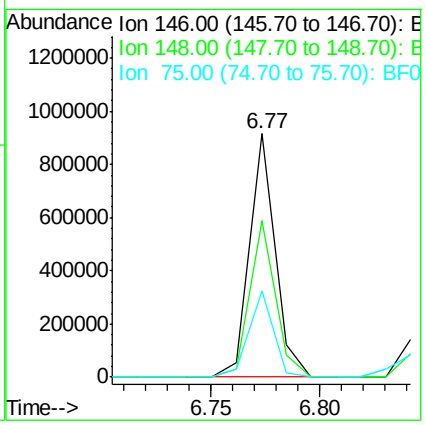


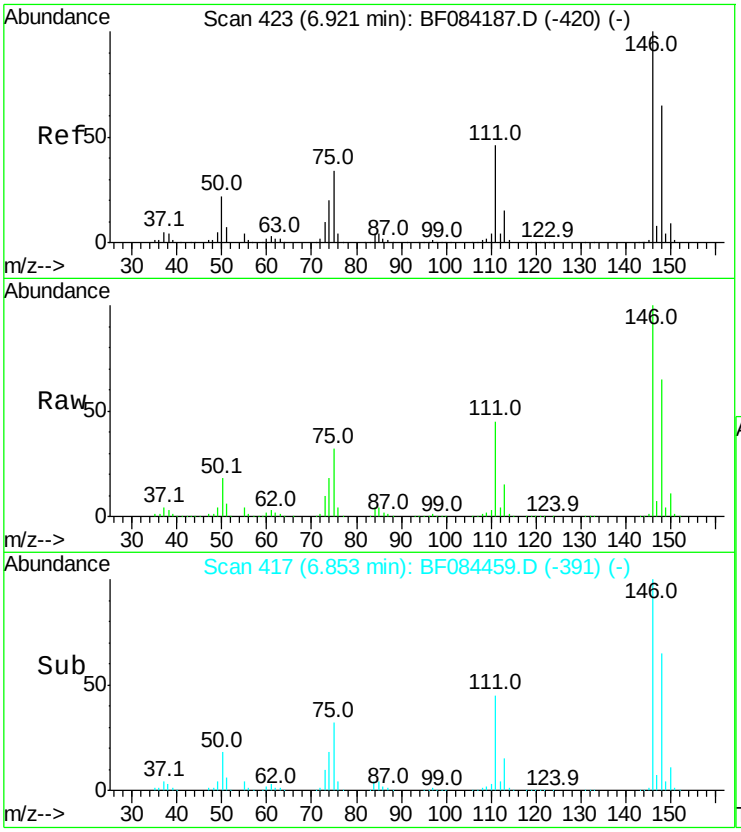




#12
1,3-Dichlorobenzene
Concen: 38.03 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:146 Resp: 748944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.9 | 77.9 |
| 75 | 35.4 | 20.5 | 30.7# |



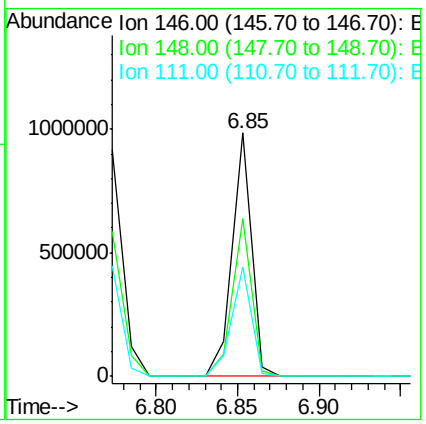


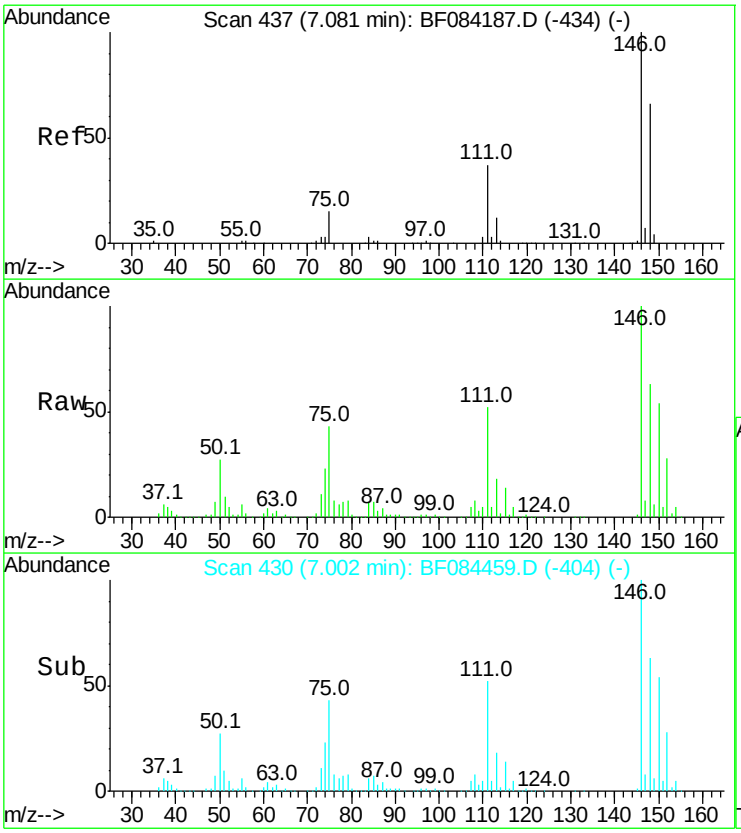

#13
1,4-Dichlorobenzene
Concen: 40.46 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:146 Resp: 798976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 44.7 | 41.6 | 62.4 |

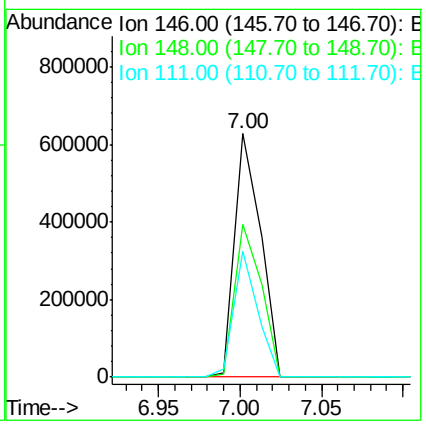


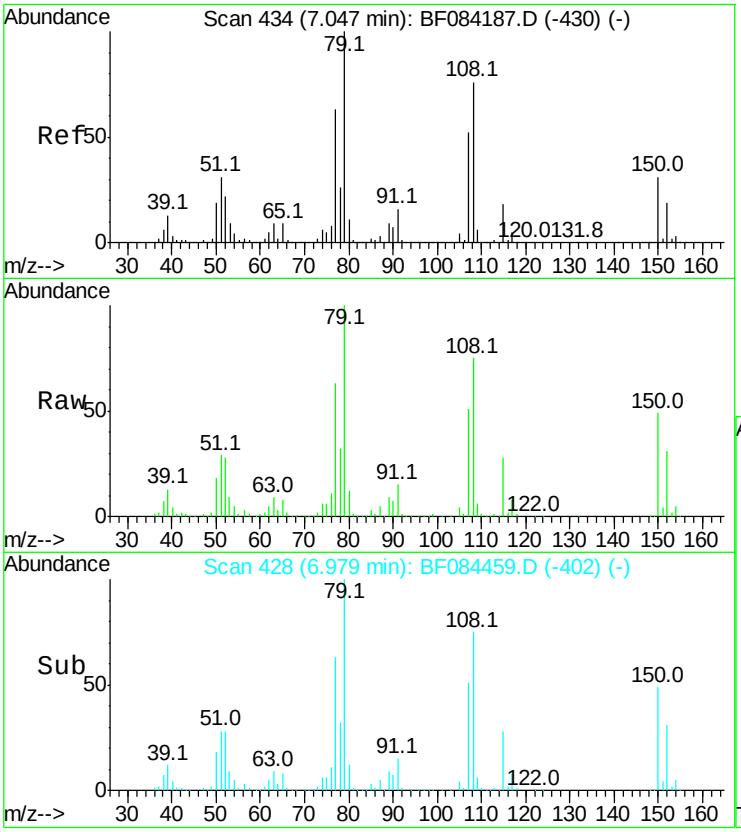




#14
1,2-Dichlorobenzene
Concen: 36.30 ng
RT: 7.00 min Scan# 430
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:146 Resp: 686410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.6 | 77.4 |
| 111 | 51.8 | 38.0 | 57.0 |



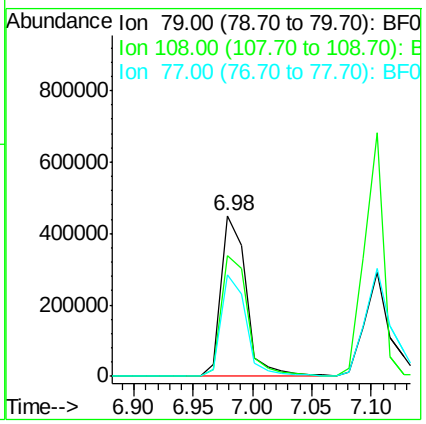


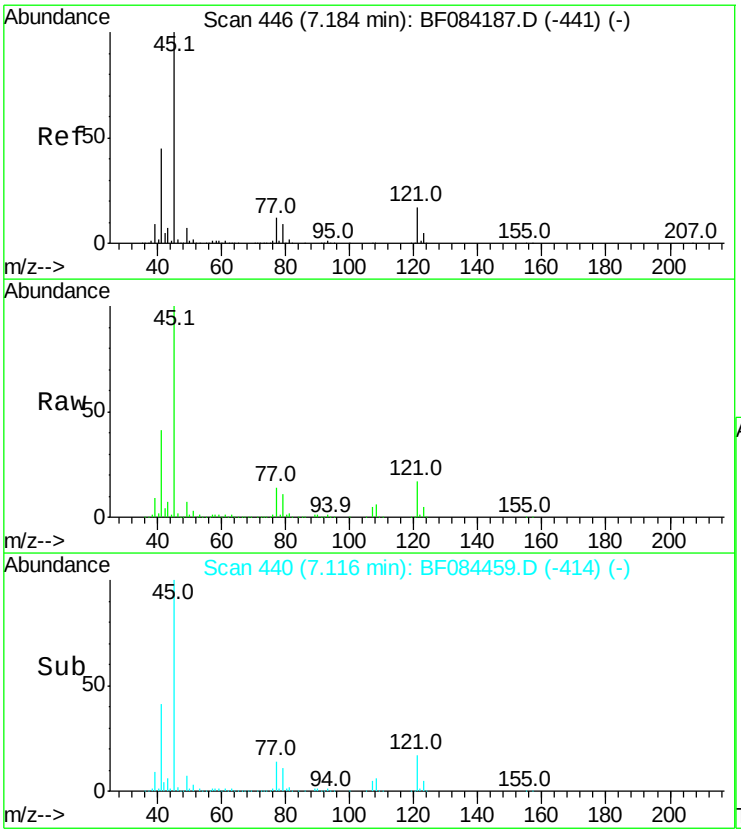

#15
Benzyl Alcohol
Concen: 37.13 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 79 Resp: 659988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.1 | 69.0 | 103.4 |
| 77 | 62.9 | 50.0 | 75.0 |

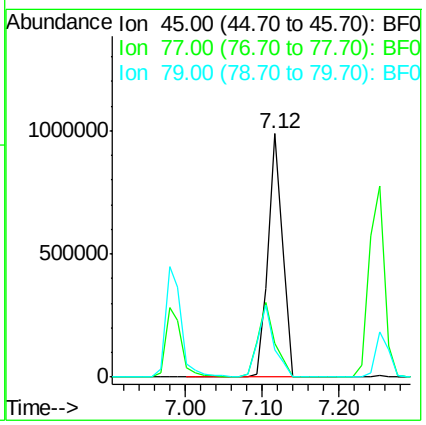


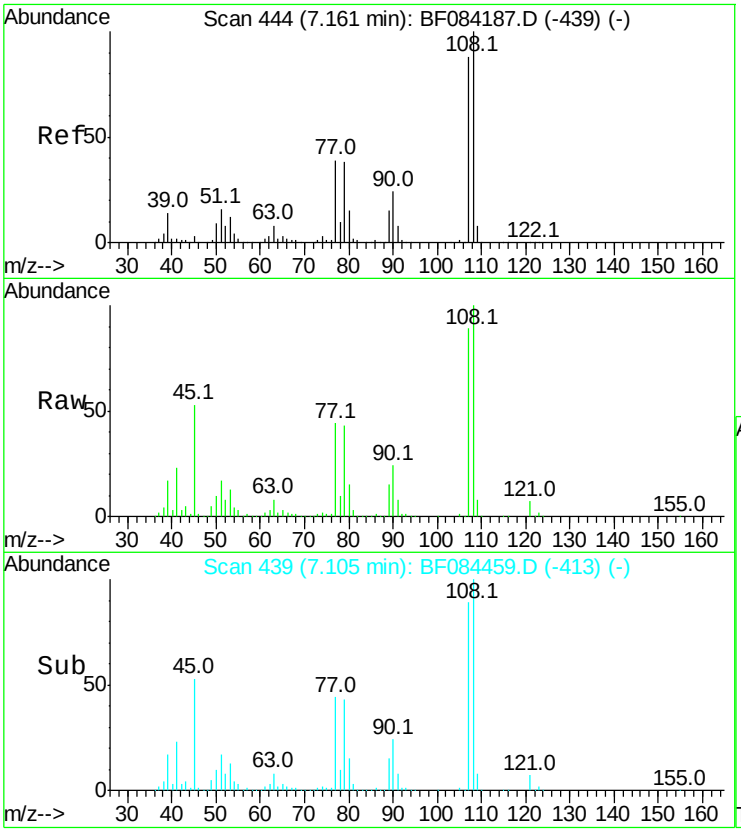




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.40 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 45 Resp: 1267550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.1 | 0.0 | 39.6 |
| 79 | 11.0 | 0.0 | 35.0 |



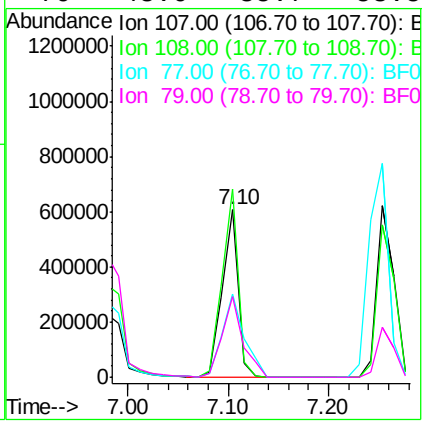


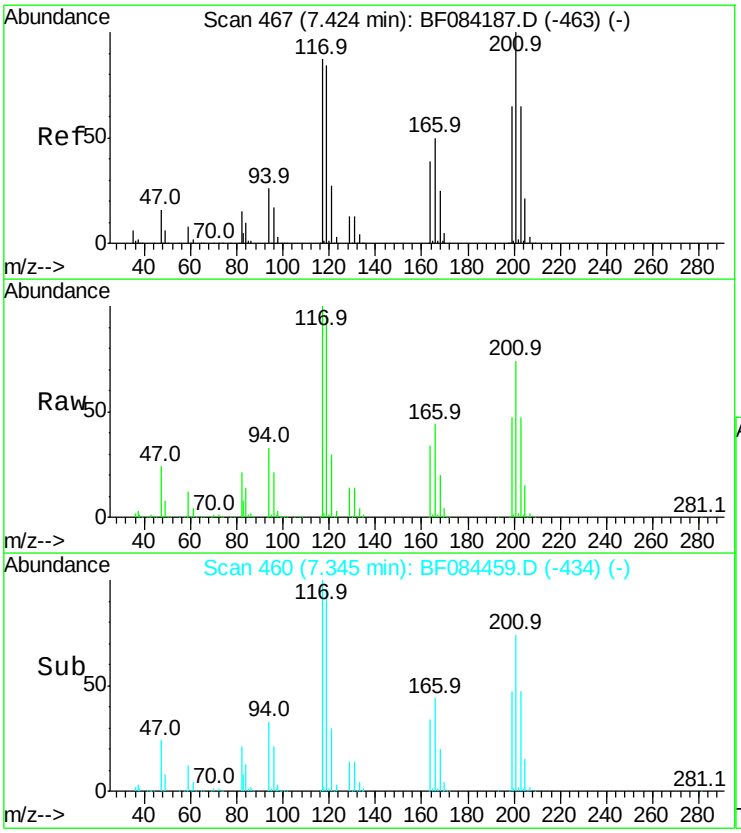

#17
2-Methylphenol
Concen: 41.70 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:107 Resp: 667129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 89.8 | 134.6 |
| 77 | 49.9 | 35.7 | 53.5 |
| 79 | 48.0 | 35.7 | 53.5 |

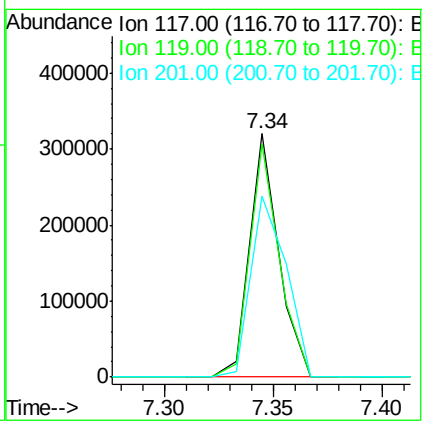


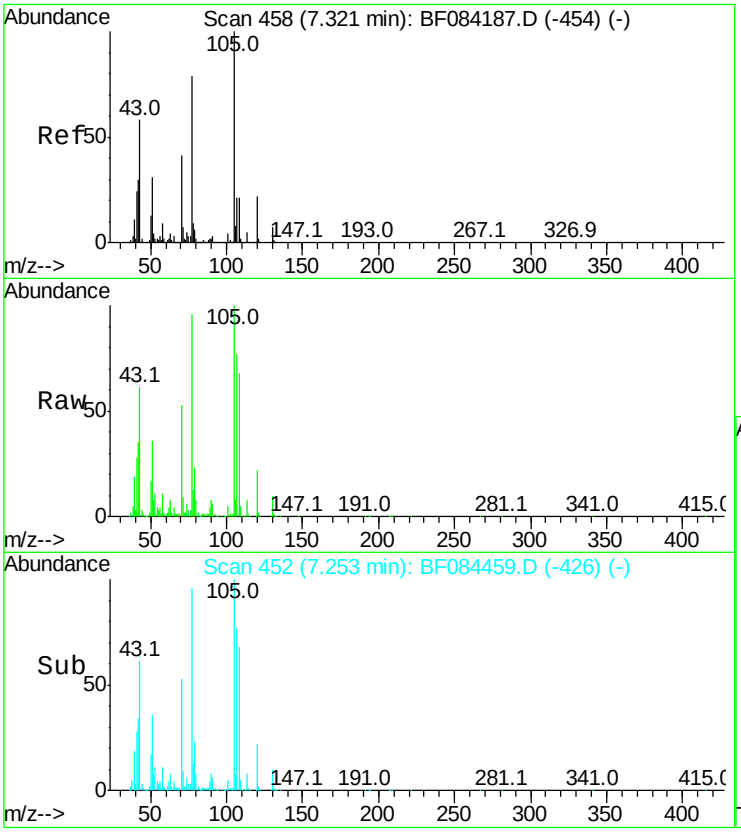




#18
Hexachloroethane
Concen: 37.79 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:117 Resp: 298434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 77.4 | 116.0 |
| 201 | 74.1 | 68.6 | 103.0 |



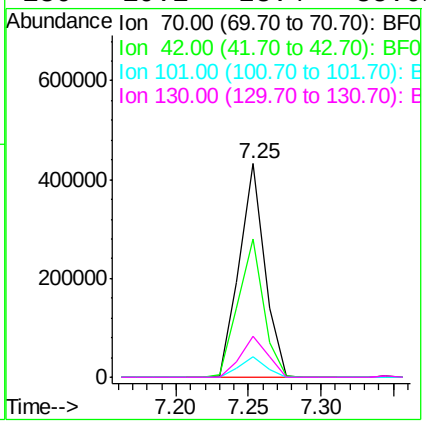


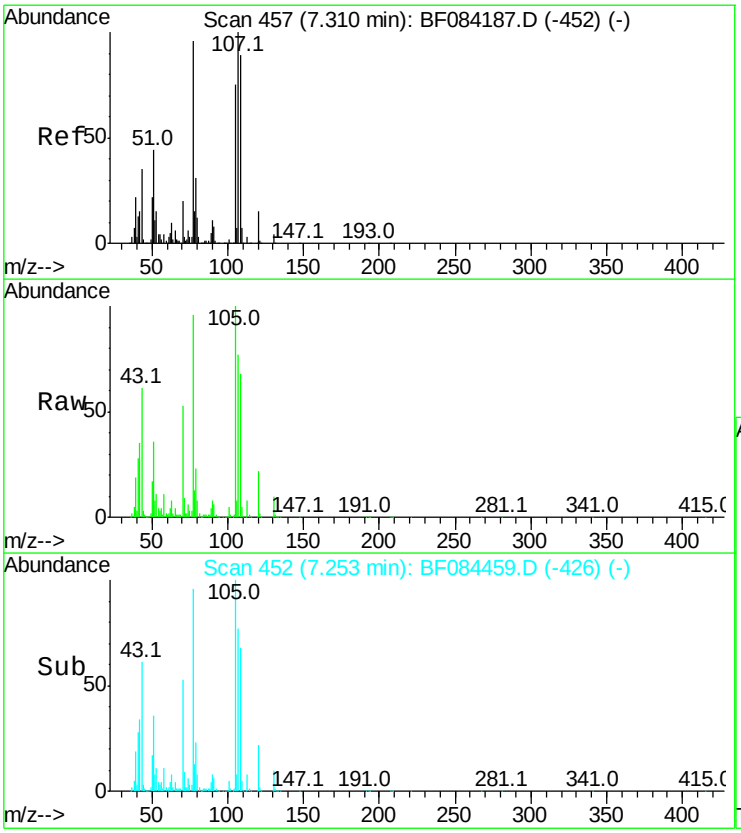

#19
n-Nitroso-di-n-propylamine
Concen: 36.93 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 70 Resp: 528246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.7 | 33.3 | 49.9# |
| 101 | 9.4 | 9.3 | 13.9 |
| 130 | 19.1 | 23.4 | 35.0# |

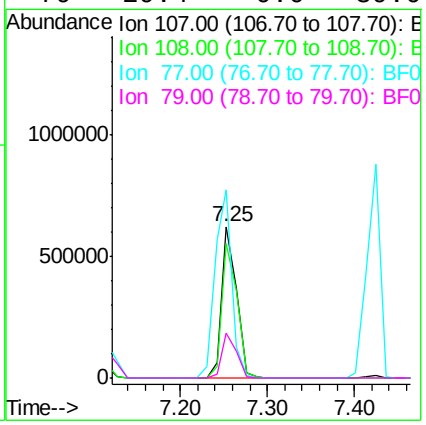


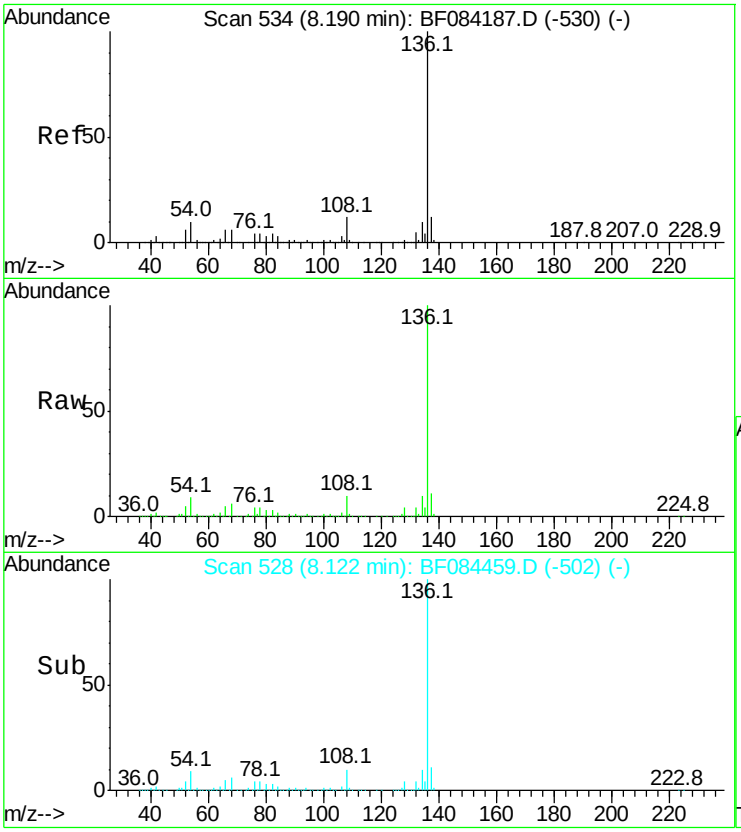




#20
3+4-Methylphenols
Concen: 39.59 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:107 Resp: 744416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 74.6 | 114.6 |
| 77 | 124.2 | 0.7 | 40.7# |
| 79 | 29.4 | 0.0 | 39.0 |



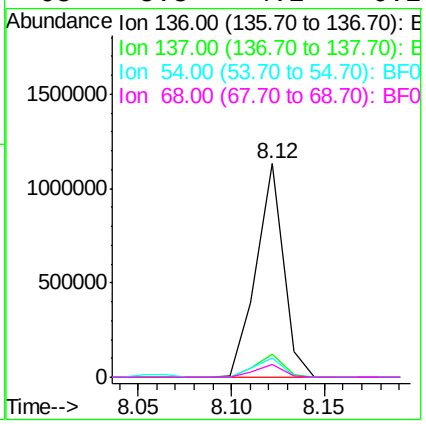


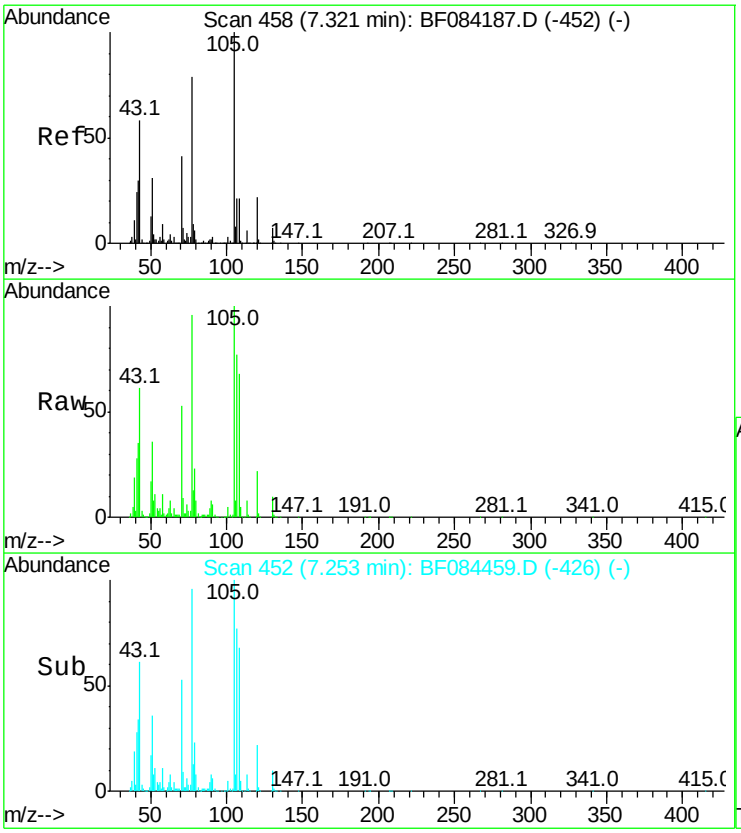

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:136 Resp: 1146244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.7 | 13.1 |
| 54 | 8.8 | 5.8 | 8.8# |
| 68 | 5.8 | 4.2 | 6.2 |

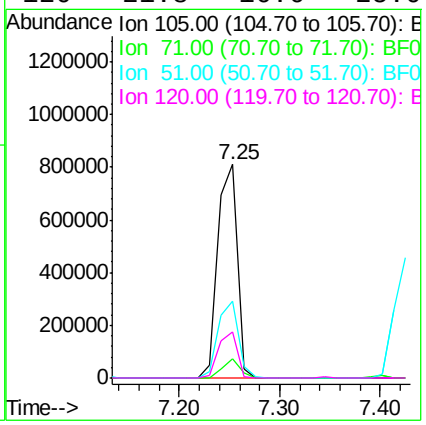


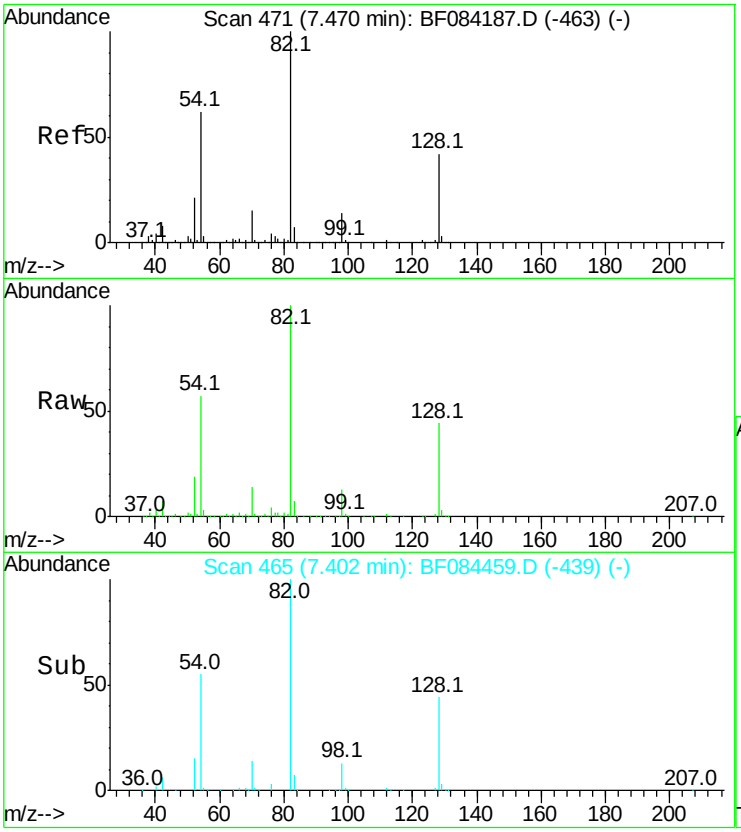




#22
Acetophenone
Concen: 39.65 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:105 Resp: 1092817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 9.0 | 3.7 | 5.5# |
| 51 | 35.8 | 25.1 | 37.7 |
| 120 | 21.8 | 16.6 | 25.0 |



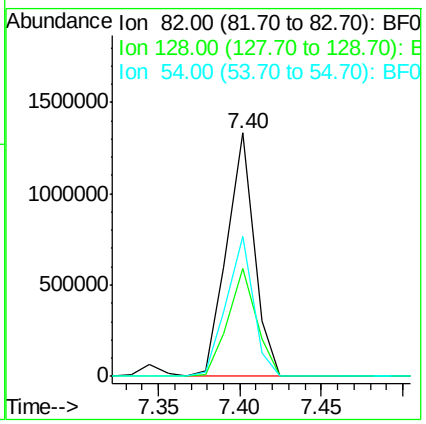


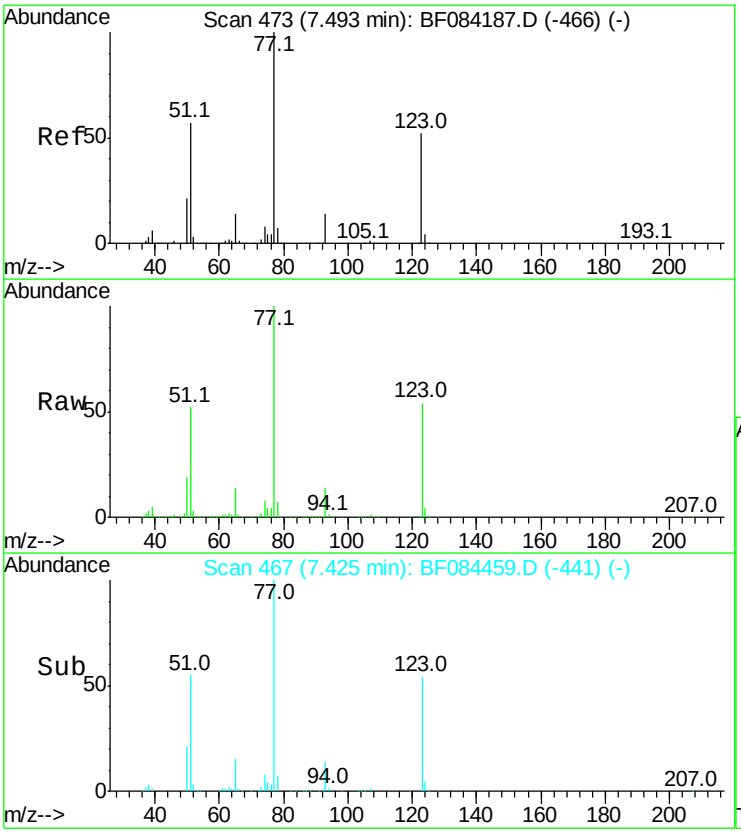

#23
Nitrobenzene-d5
Concen: 75.51 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 82 Resp: 1555206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 34.6 | 51.8 |
| 54 | 57.4 | 38.4 | 57.6 |

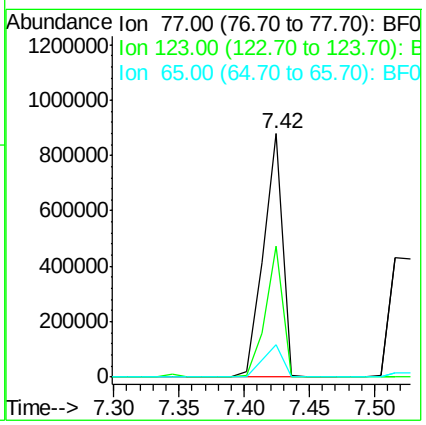


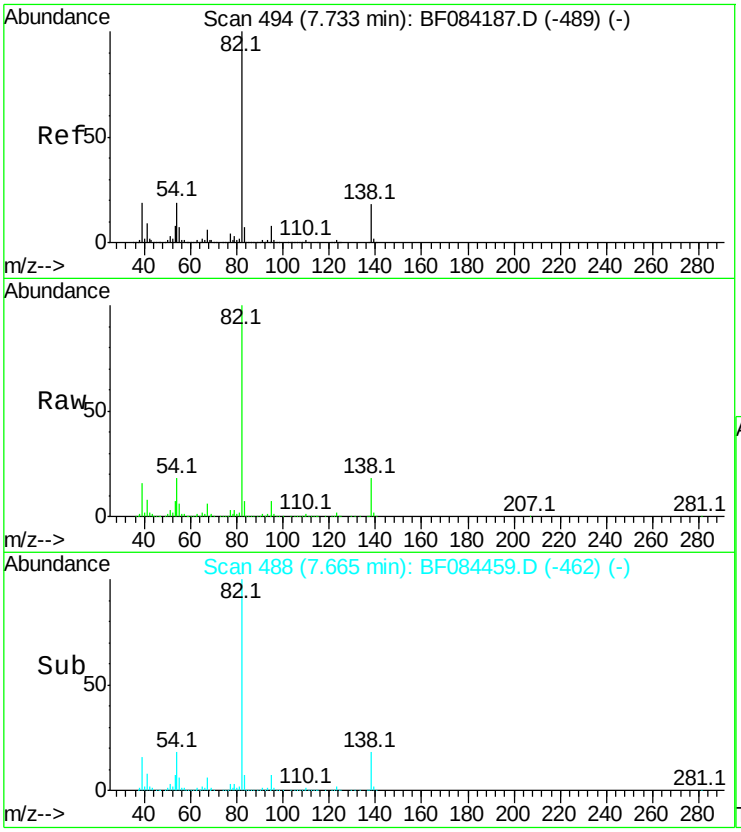




#24
Nitrobenzene
Concen: 43.29 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 77 Resp: 904356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 53.8 | 37.4 | 56.2 |
| 65 | 13.5 | 10.9 | 16.3 |



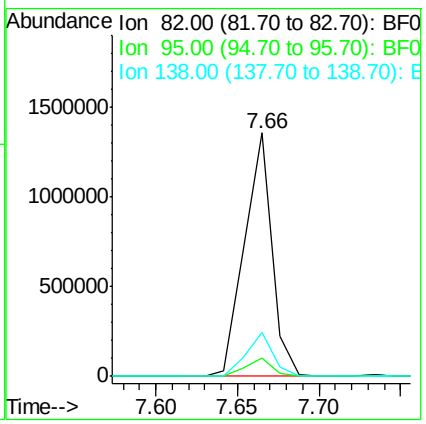


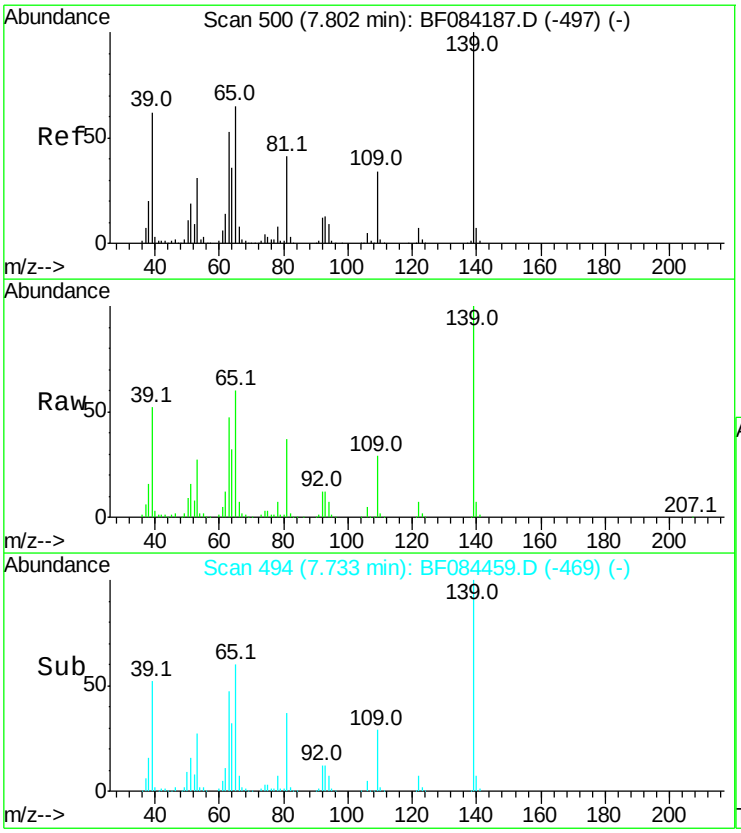

#25
Isophorone
Concen: 40.21 ng
RT: 7.66 min Scan# 488
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 82 Resp: 1584027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.4 | 6.6 | 10.0 |
| 138 | 18.3 | 13.6 | 20.4 |

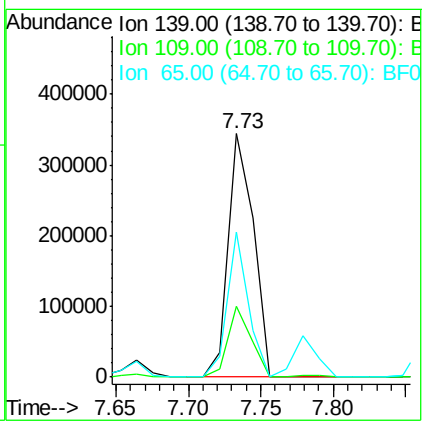


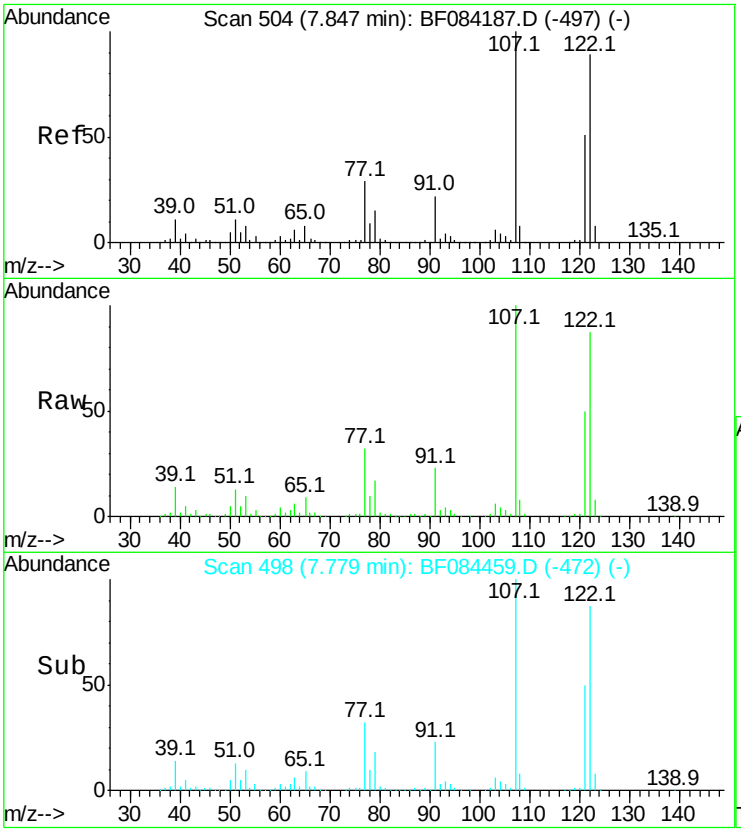




#26
2-Nitrophenol
Concen: 43.73 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:139 Resp: 415710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.2 | 25.4 | 38.2 |
| 65 | 59.7 | 32.3 | 48.5# |



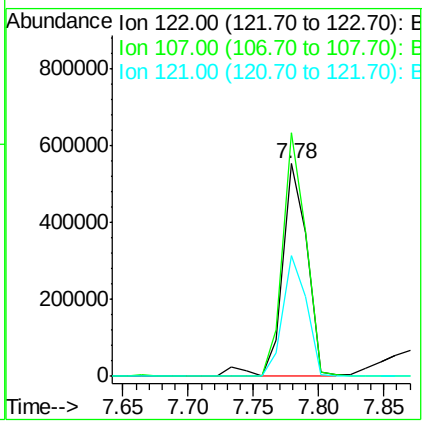


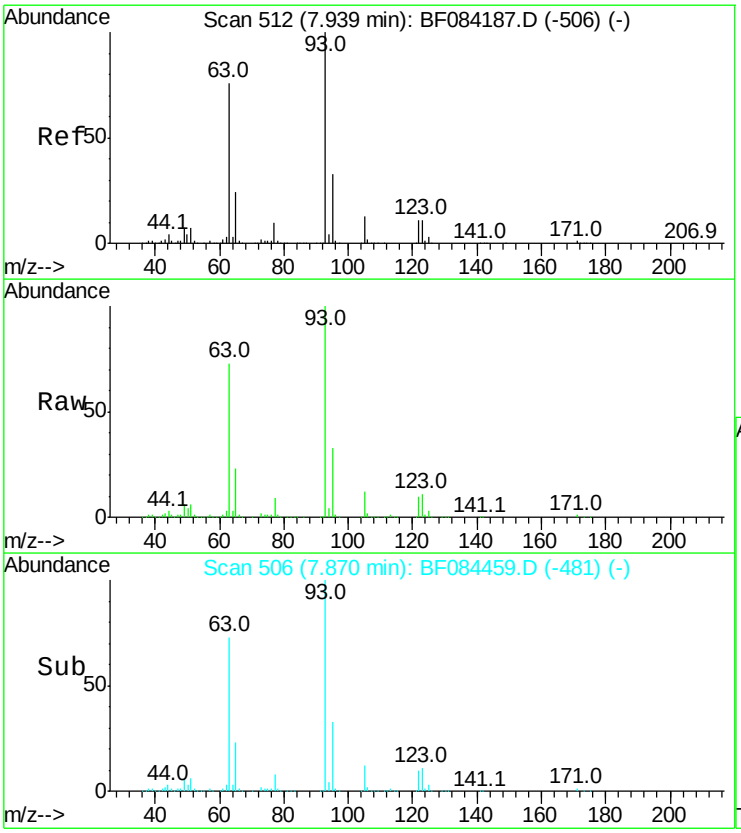

#27
2,4-Dimethylphenol
Concen: 38.47 ng
RT: 7.78 min Scan# 498
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:122 Resp: 740340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.5 | 99.1 | 148.7 |
| 121 | 57.0 | 47.9 | 71.9 |

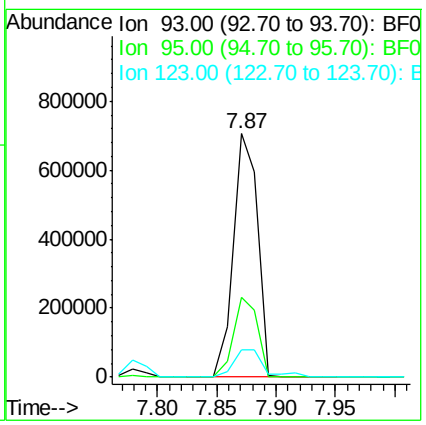


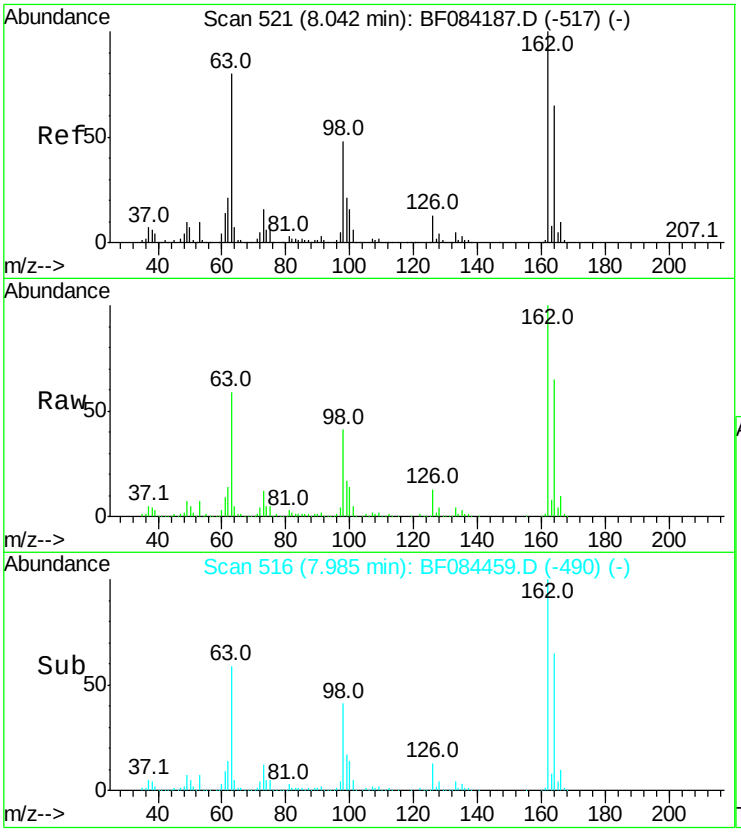




#28
bis(2-Chloroethoxy)methane
Concen: 41.55 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 93 Resp: 999762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 25.8 | 38.6 |
| 123 | 11.0 | 8.6 | 12.8 |



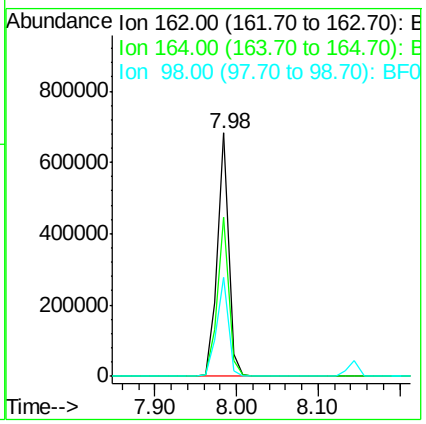


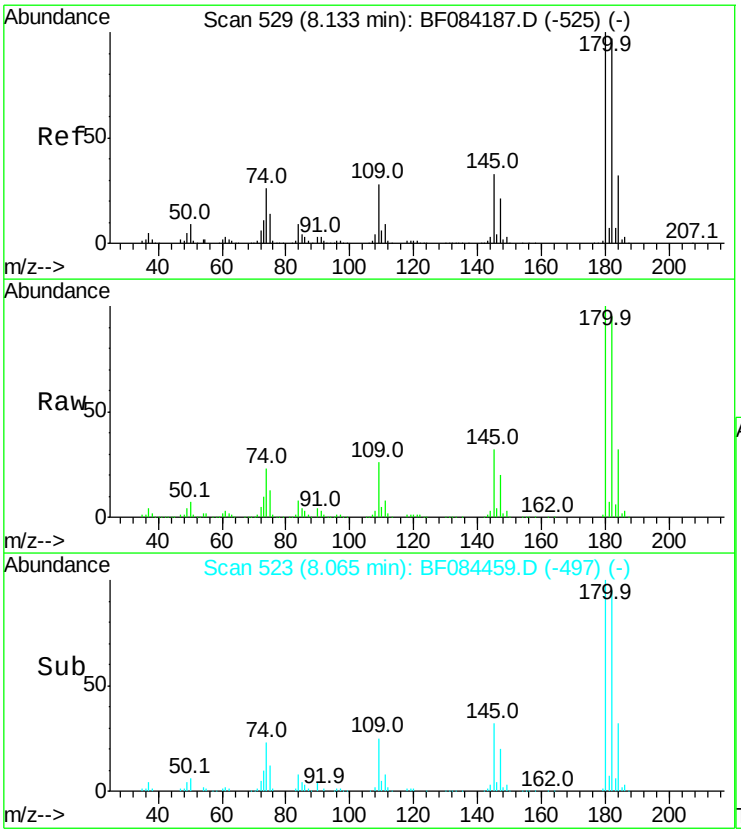

#29
2,4-Dichlorophenol
Concen: 41.47 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:162 Resp: 664820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.4 | 44.1 | 84.1 |
| 98 | 40.6 | 20.2 | 60.2 |

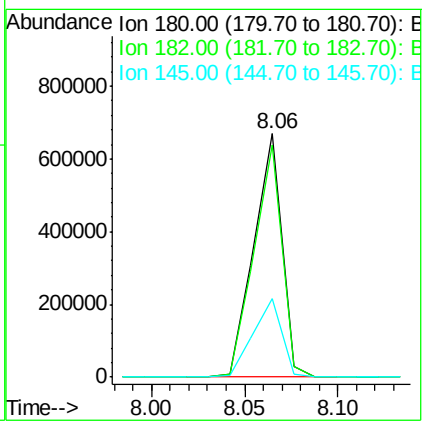


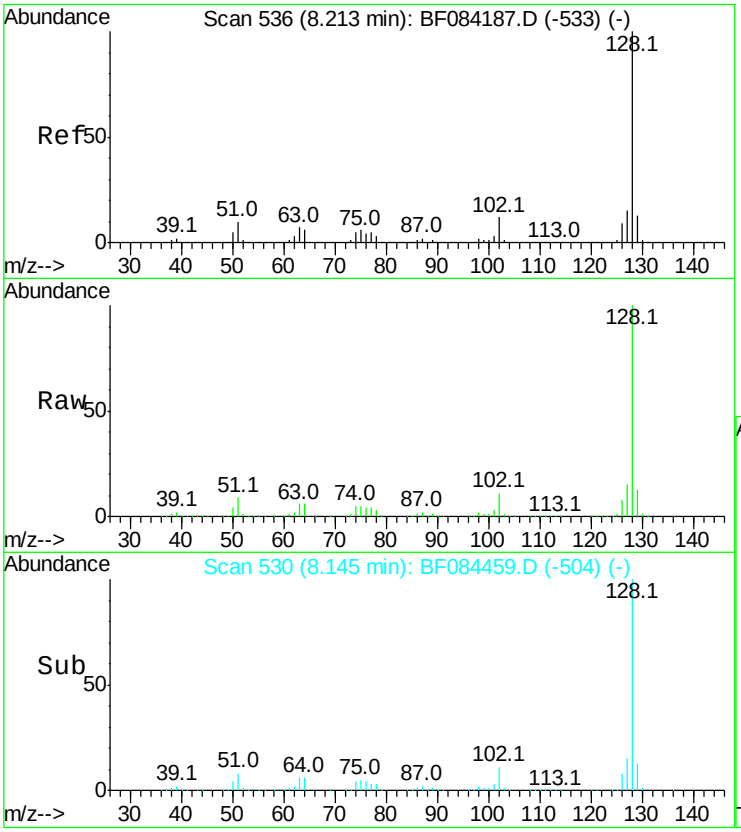




#30
1,2,4-Trichlorobenzene
Concen: 42.10 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:180 Resp: 696682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.4 | 114.6 |
| 145 | 32.1 | 31.6 | 47.4 |



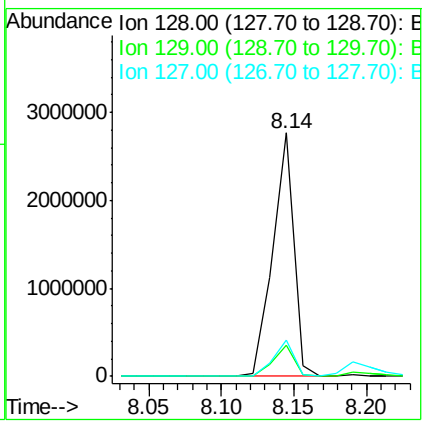


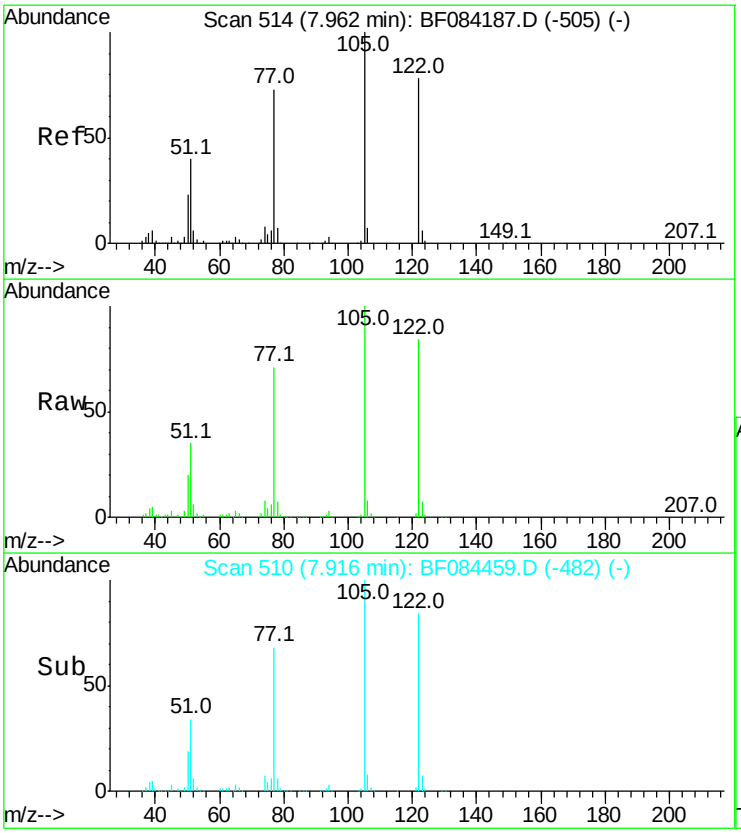

#31
Naphthalene
Concen: 53.68 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:128 Resp: 2791890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.7 | 9.1 | 13.7 |
| 127 | 15.1 | 11.1 | 16.7 |

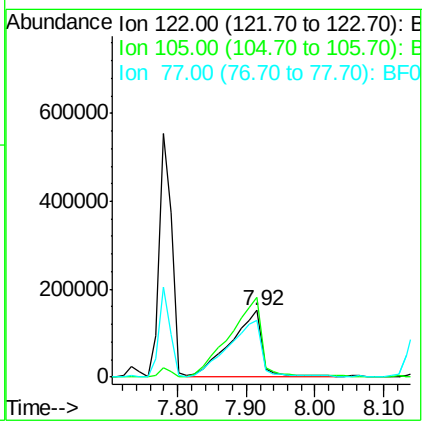


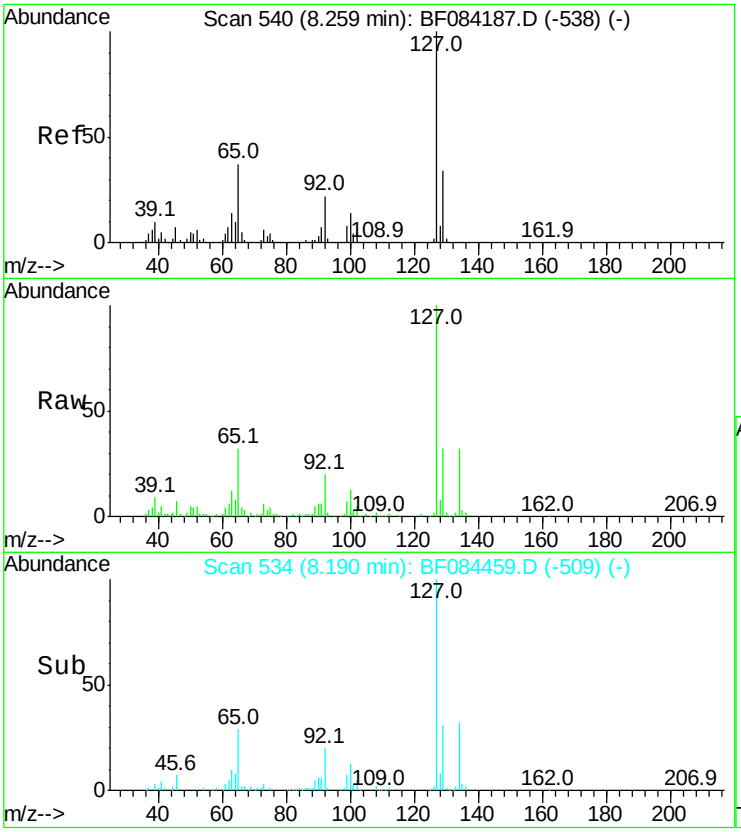




#32
Benzoic acid
Concen: 39.68 ng
RT: 7.92 min Scan# 510
Delta R.T. 0.02 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:122 Resp: 475785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.7 | 100.3 | 140.3 |
| 77 | 85.6 | 63.5 | 103.5 |



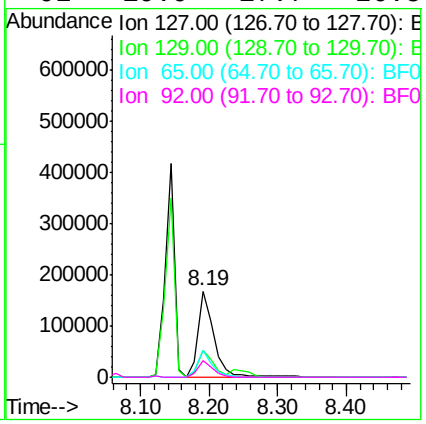


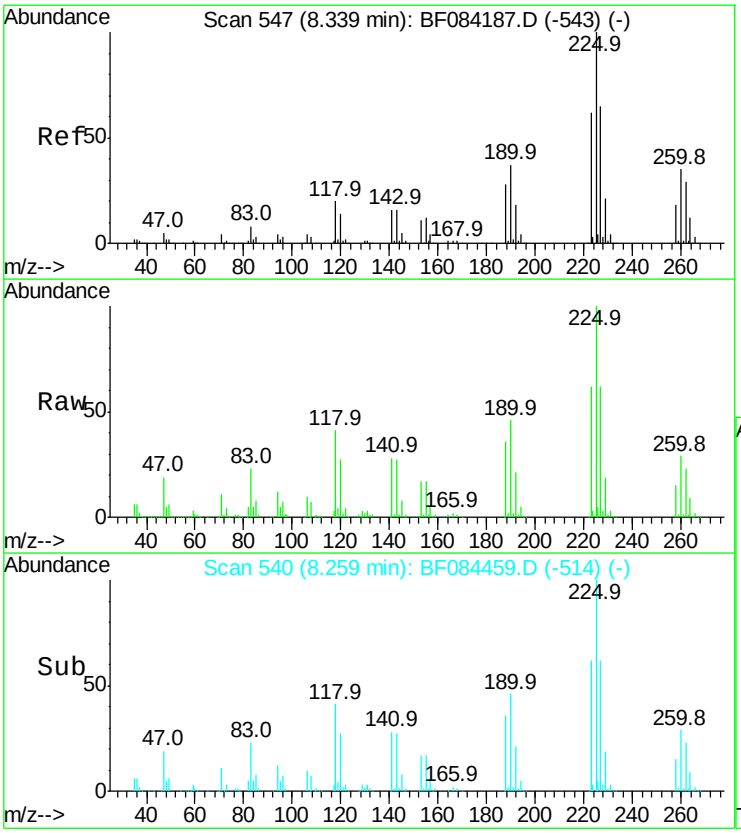

#33
4-Chloroaniline
Concen: 11.25 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:127 Resp: 268111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 26.5 | 39.7 |
| 65 | 31.8 | 27.2 | 40.8 |
| 92 | 19.9 | 17.7 | 26.5 |

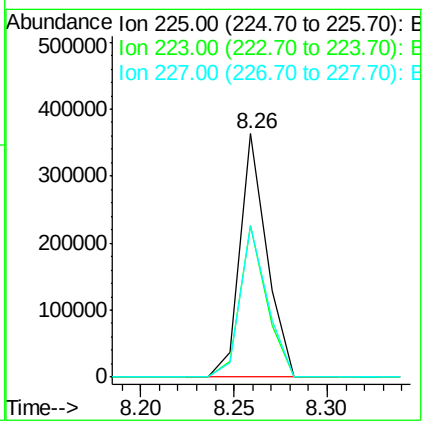


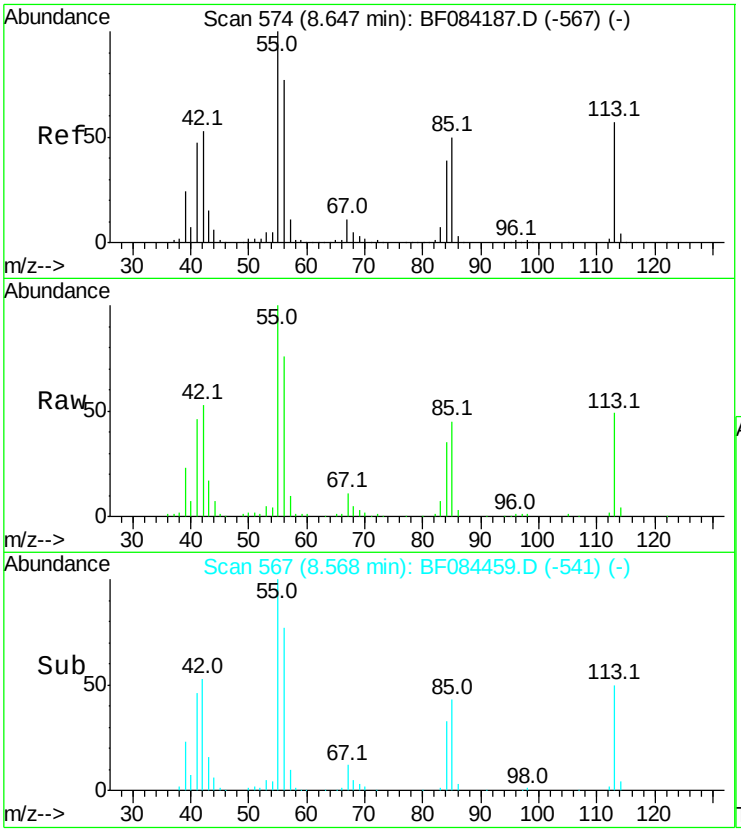




#34
Hexachlorobutadiene
Concen: 38.18 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:225 Resp: 363229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.4 | 74.0 |
| 227 | 62.0 | 50.8 | 76.2 |



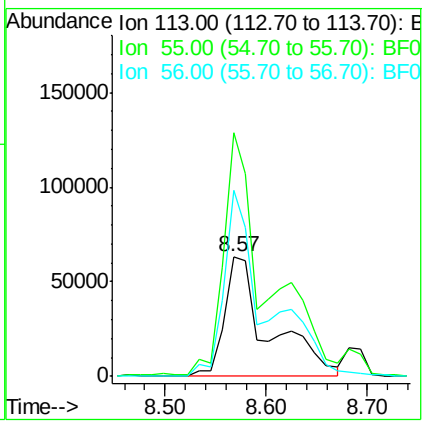


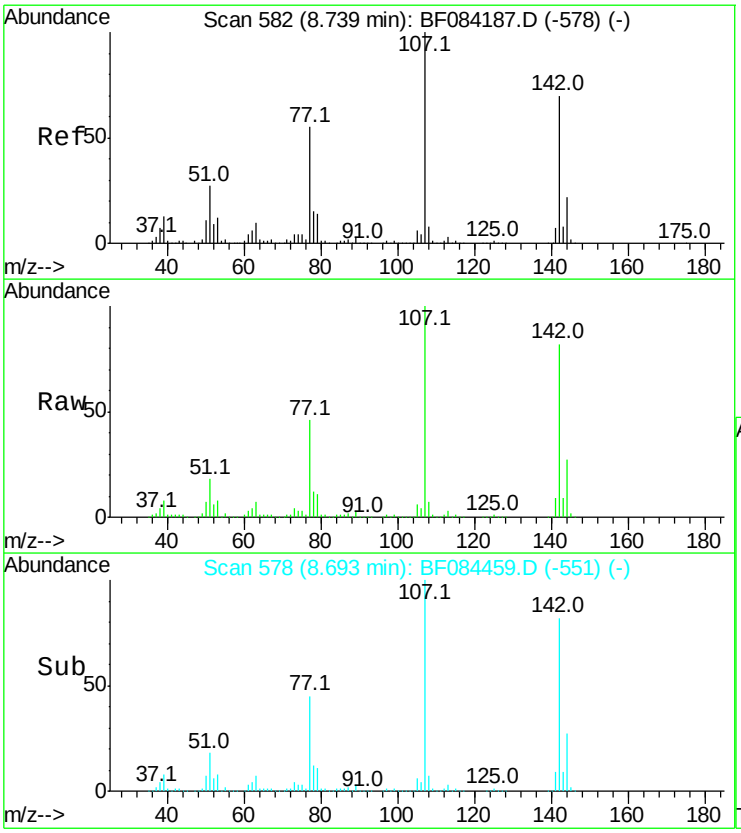

#35
Caprolactam
Concen: 35.82 ng m
RT: 8.57 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:113 Resp: 193541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 202.7 | 116.9 | 156.9# |
| 56 | 154.9 | 93.8 | 133.8# |

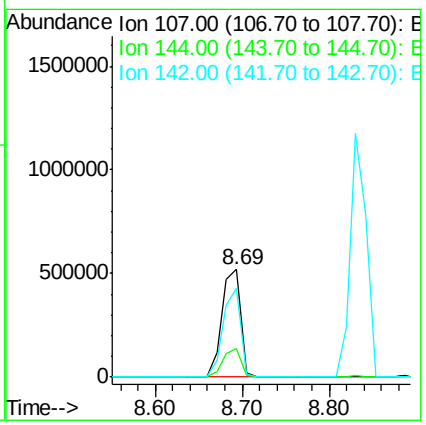


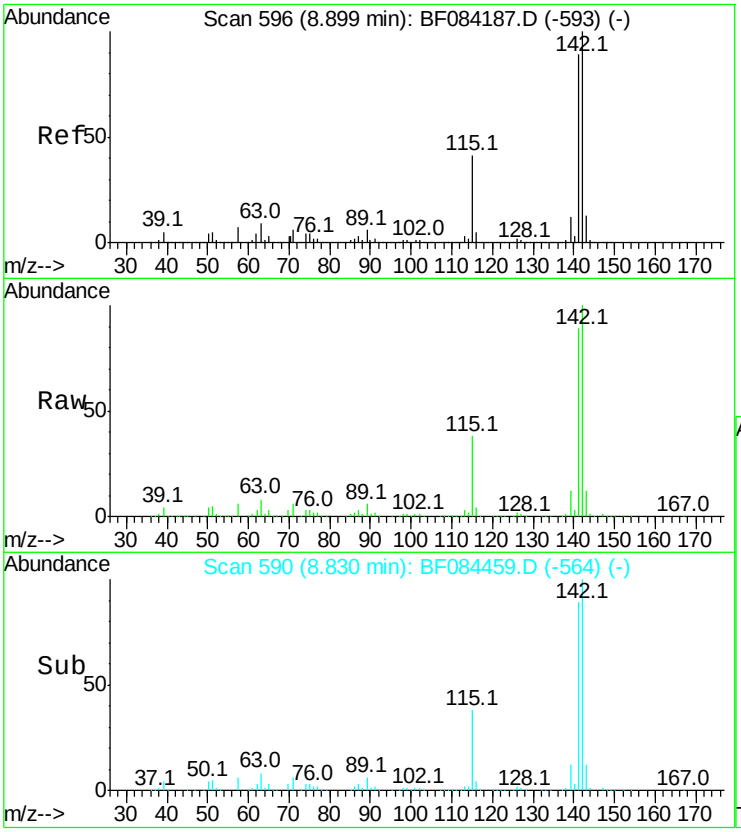




#36
4-Chloro-3-methylphenol
Concen: 43.72 ng
RT: 8.69 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:107 Resp: 785060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.9 | 19.7 | 29.5 |
| 142 | 82.2 | 61.8 | 92.6 |



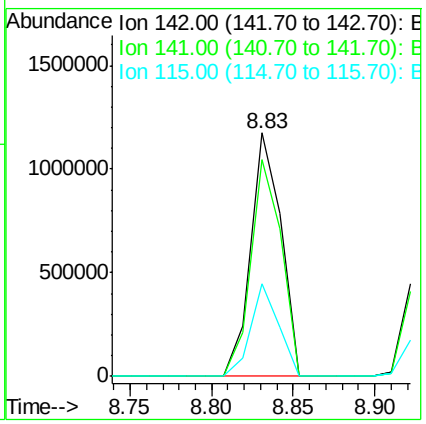


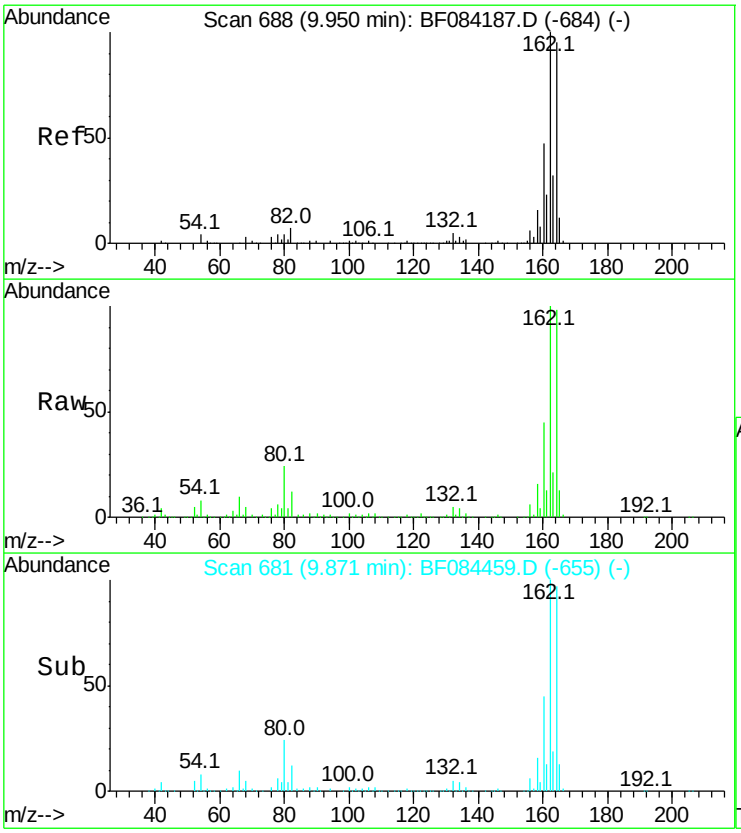

#37
2-Methylnaphthalene
Concen: 40.63 ng
RT: 8.83 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:142 Resp: 1516743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 72.4 | 108.6 |
| 115 | 38.2 | 27.9 | 41.9 |

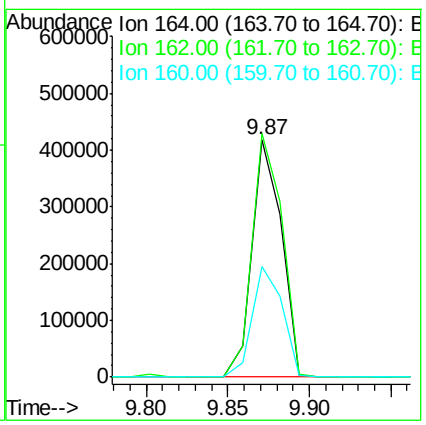


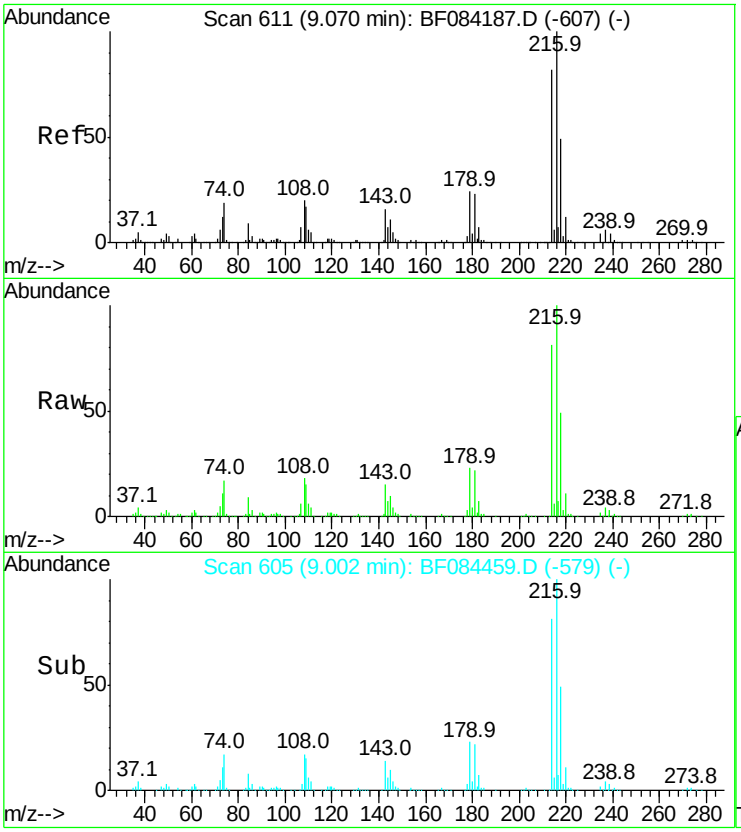




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:164 Resp: 523058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 85.1 | 127.7 |
| 160 | 46.5 | 37.5 | 56.3 |



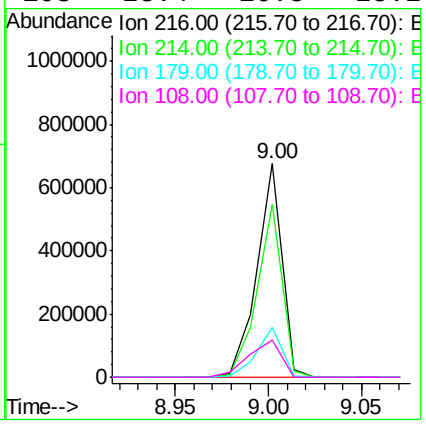


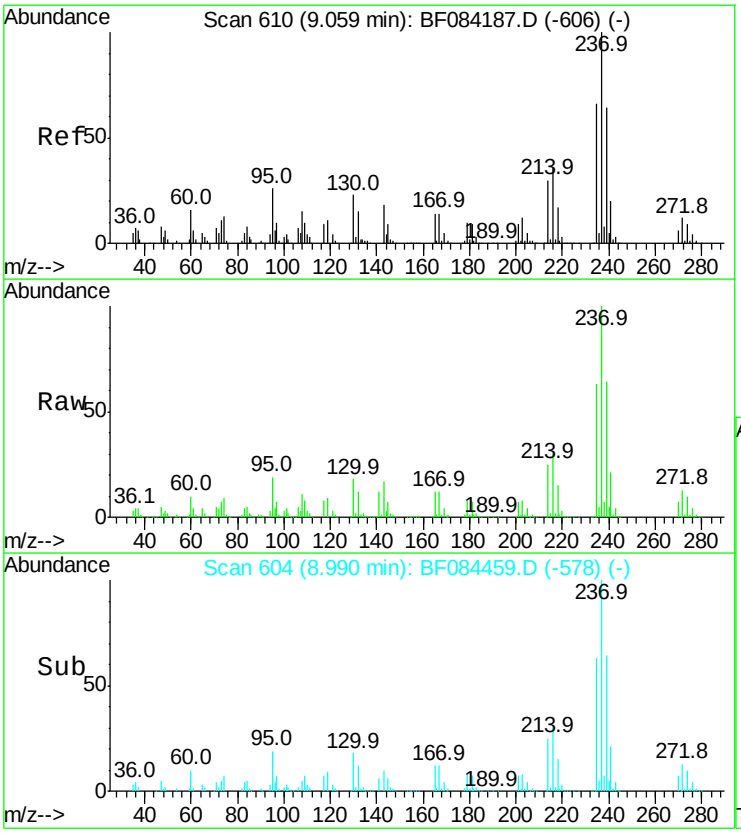

#39
1,2,4,5-Tetrachlorobenzene
Concen: 41.56 ng
RT: 9.00 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:216 Resp: 624870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.6 | 64.2 | 96.2 |
| 179 | 23.9 | 18.7 | 28.1 |
| 108 | 23.4 | 16.8 | 25.2 |

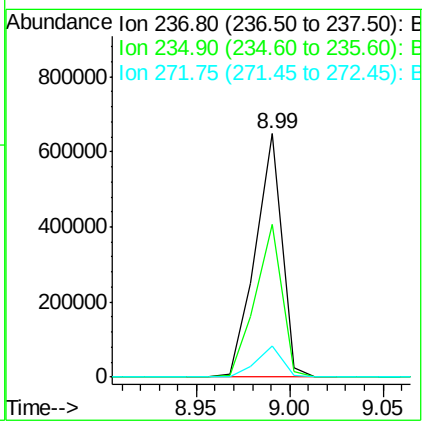


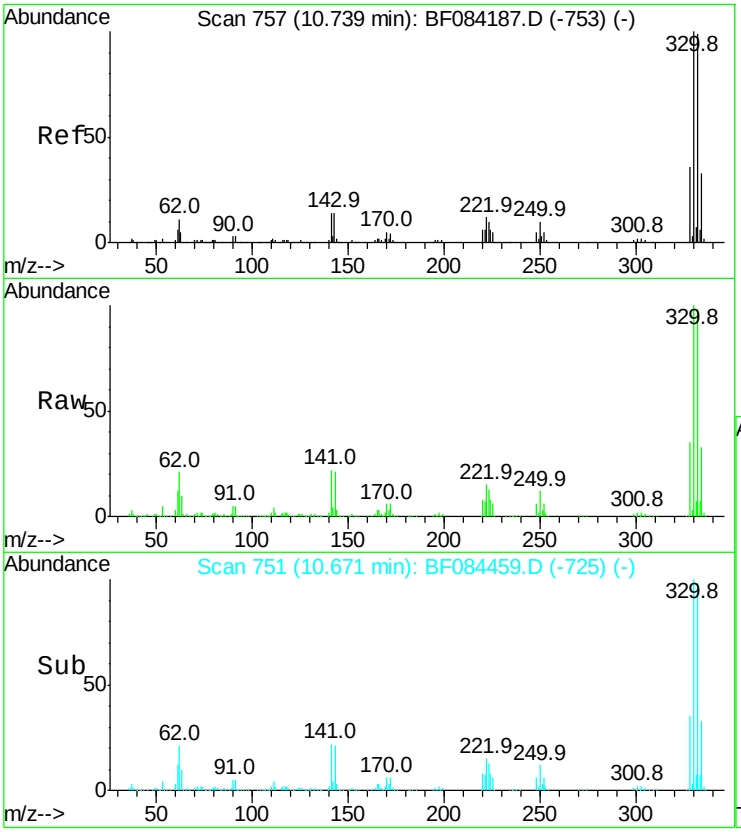




#40
Hexachlorocyclopentadiene
Concen: 70.51 ng
RT: 8.99 min Scan# 604
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:237 Resp: 640095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.1 | 83.1 |
| 272 | 12.8 | 0.0 | 35.1 |



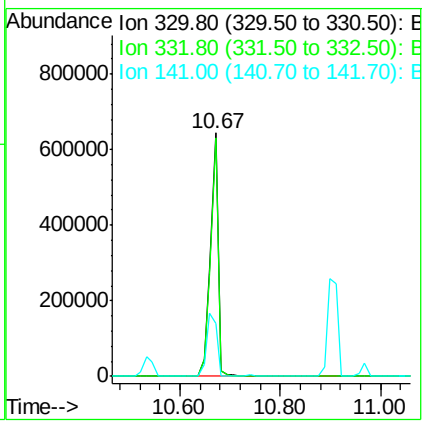


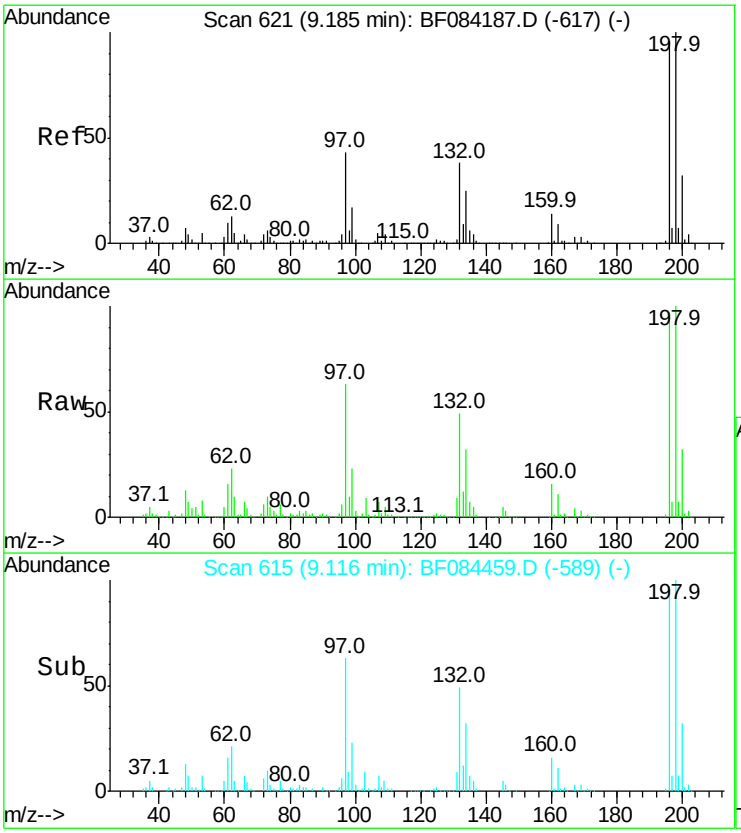

#41
2,4,6-Tribromophenol
Concen: 130.55 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:330 Resp: 689400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 76.6 | 114.8 |
| 141 | 34.6 | 27.8 | 41.6 |

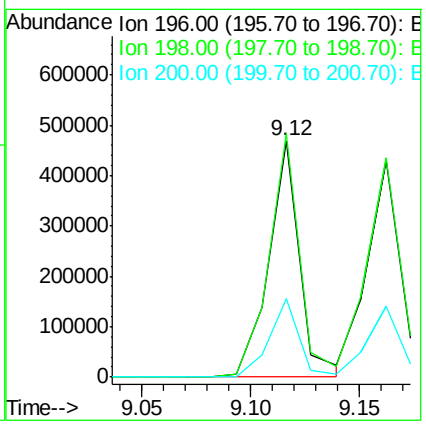


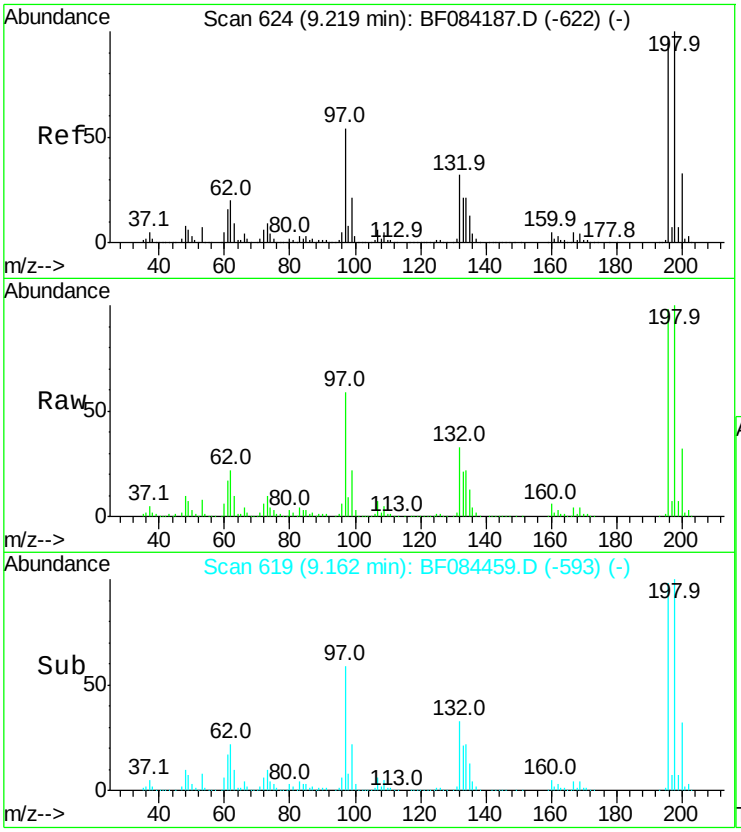




#42
2,4,6-Trichlorophenol
Concen: 41.59 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:196 Resp: 467913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 103.1 | 77.7 | 116.5 |
| 200 | 33.1 | 24.6 | 37.0 |



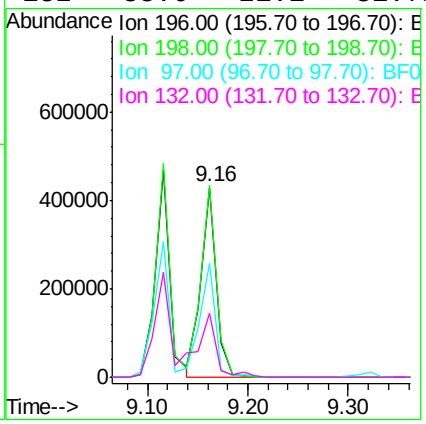


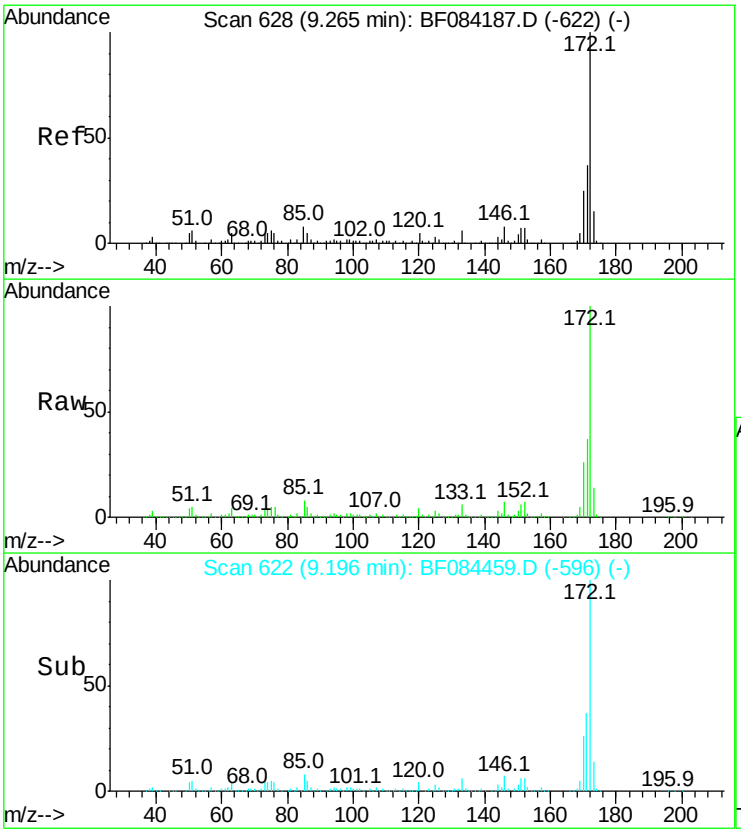

#43
2,4,5-Trichlorophenol
Concen: 42.55 ng
RT: 9.16 min Scan# 619
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:196 Resp: 458863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.6 | 79.0 | 118.6 |
| 97 | 59.9 | 33.0 | 49.6# |
| 132 | 33.6 | 21.1 | 31.7# |

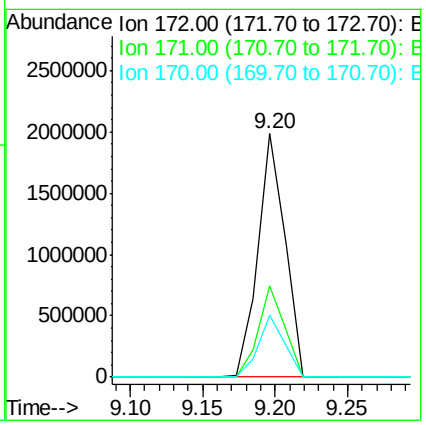


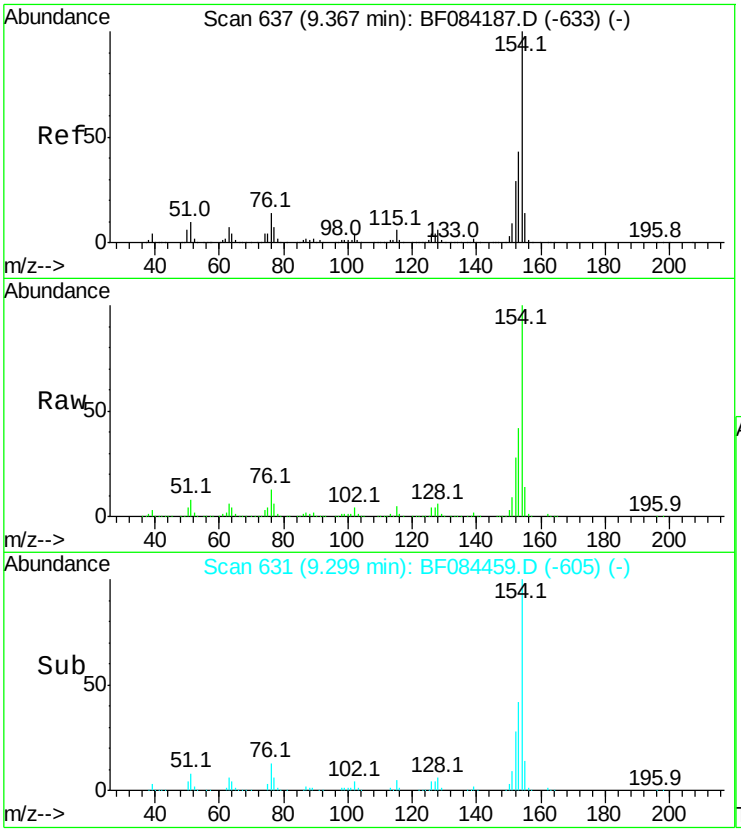




#44
2-Fluorobiphenyl
Concen: 86.13 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:172 Resp: 2558327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.4 | 28.9 | 43.3 |
| 170 | 25.5 | 18.6 | 27.8 |



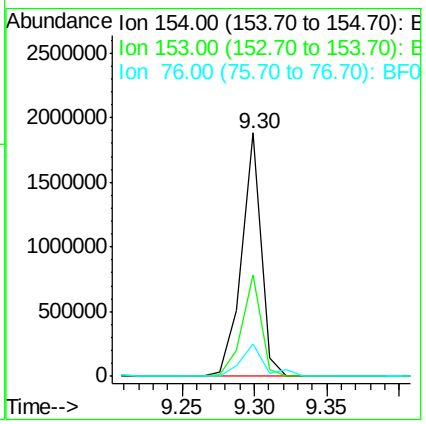


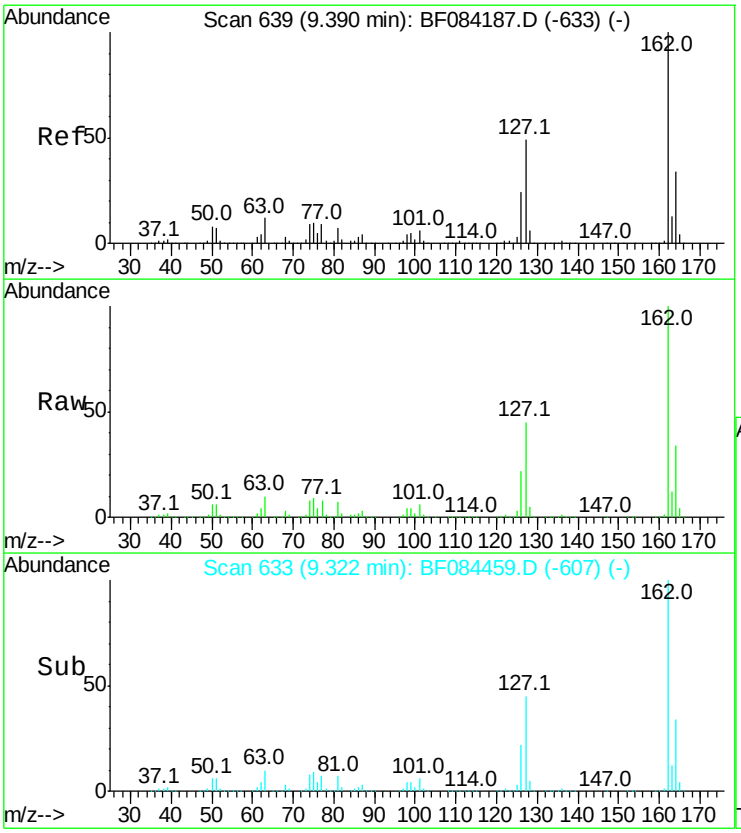

#45
1,1'-Biphenyl
Concen: 42.23 ng
RT: 9.30 min Scan# 631
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:154 Resp: 1755484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.9 | 21.6 | 61.6 |
| 76 | 13.4 | 0.0 | 32.7 |

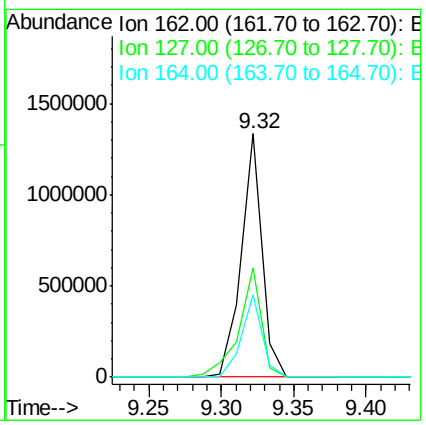


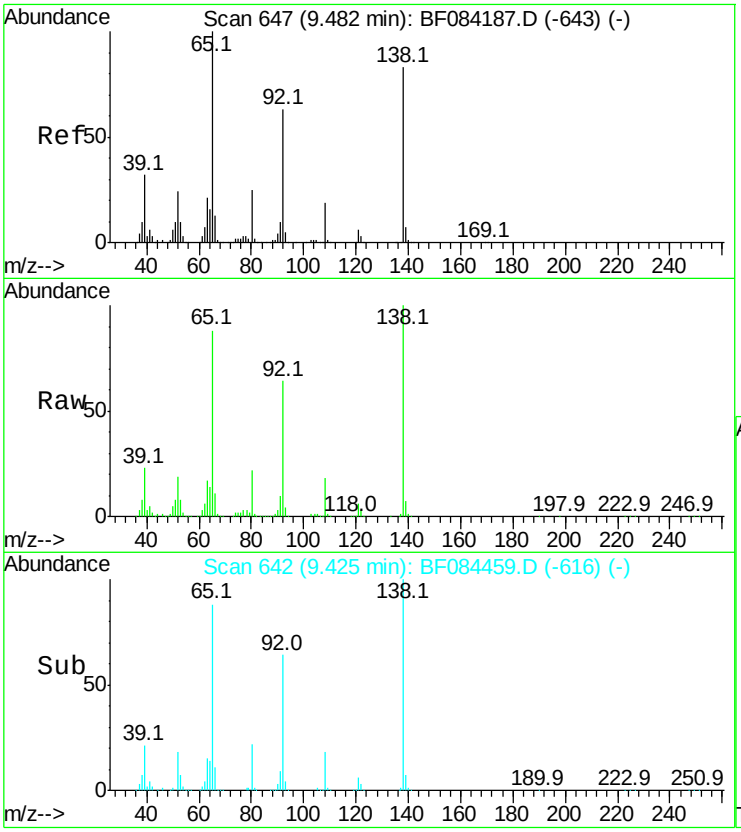




#46
2-Chloronaphthalene
Concen: 40.72 ng
RT: 9.32 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:162 Resp: 1329660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 45.0 | 40.2 | 60.4 |
| 164 | 33.9 | 25.7 | 38.5 |



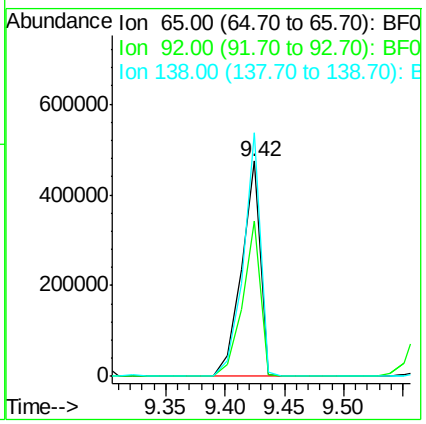


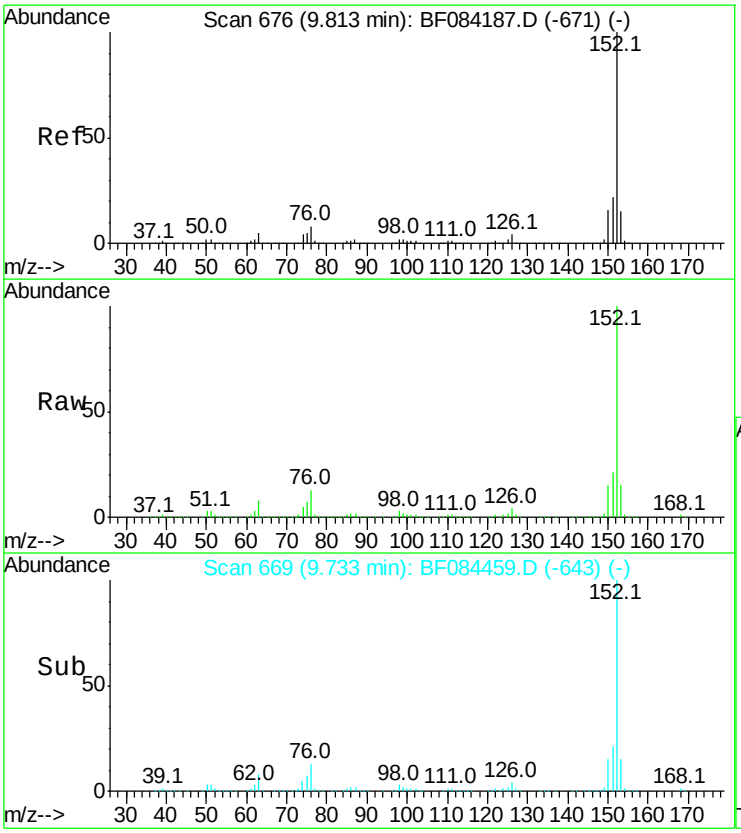

#47
2-Nitroaniline
Concen: 48.72 ng
RT: 9.42 min Scan# 642
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion: 65 Resp: 525070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.1 | 53.4 | 80.2 |
| 138 | 113.1 | 71.1 | 106.7# |

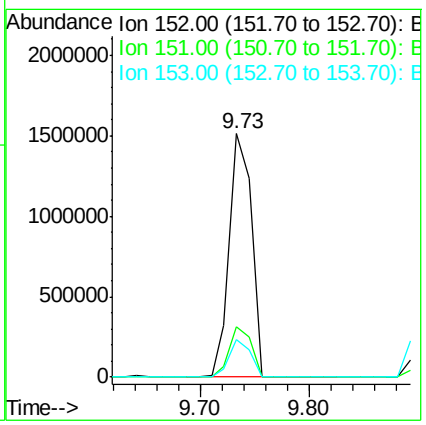


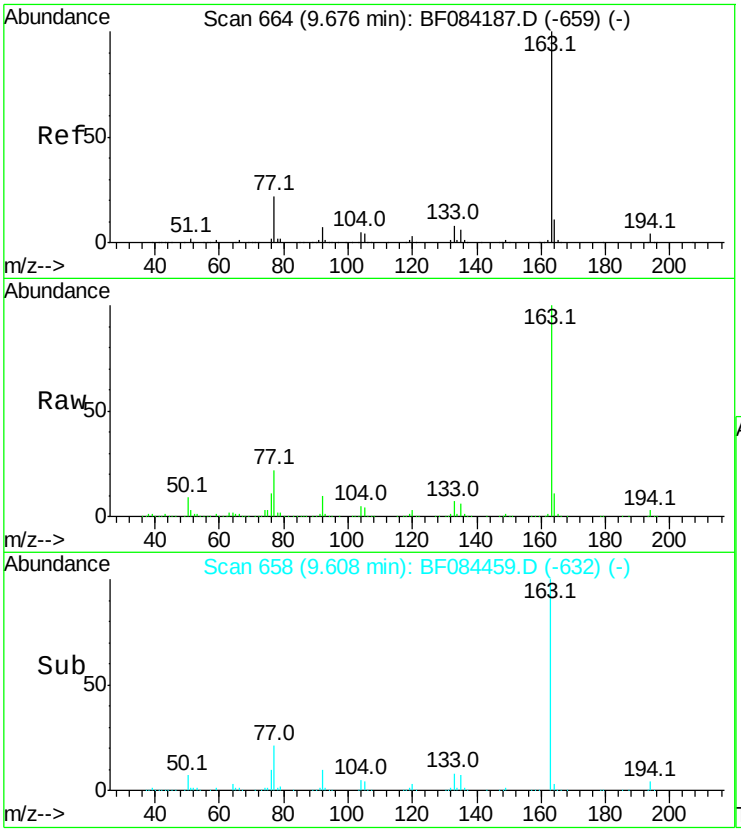




#48
Acenaphthylene
Concen: 43.90 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:152 Resp: 2117633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 16.3 | 24.5 |
| 153 | 15.3 | 10.4 | 15.6 |



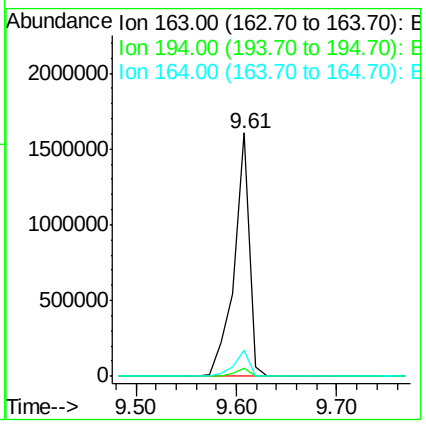


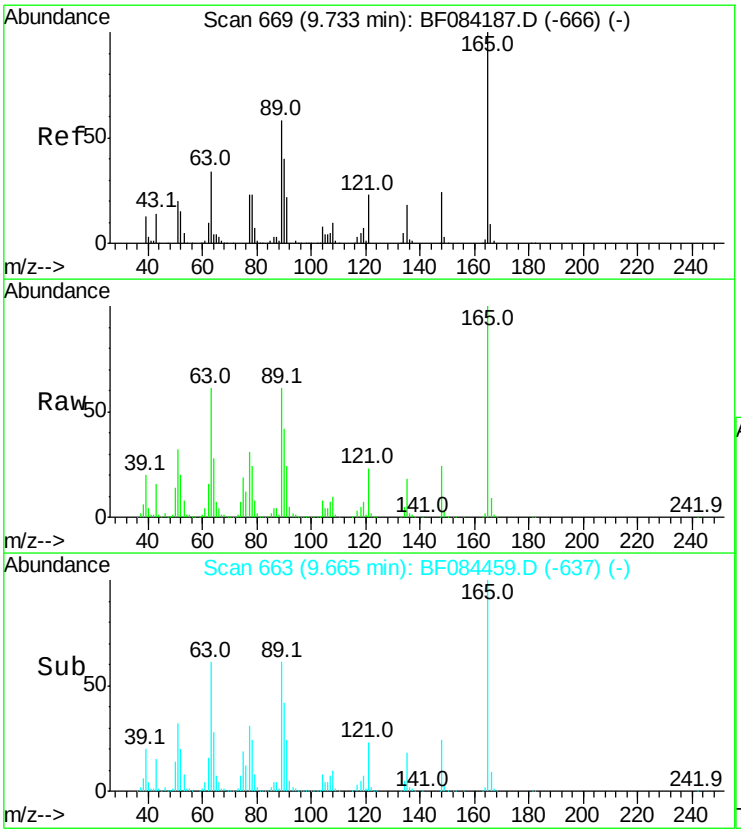

#49
Dimethylphthalate
Concen: 44.87 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:163 Resp: 1677733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 8.0 | 12.0# |
| 164 | 10.7 | 8.0 | 12.0 |

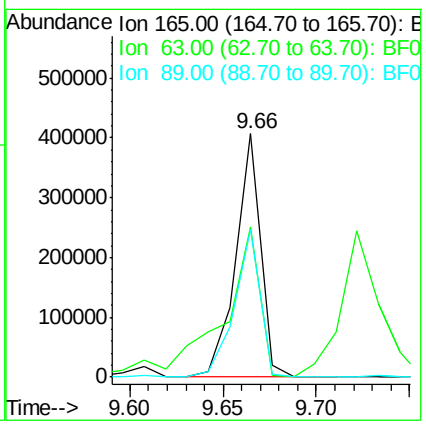


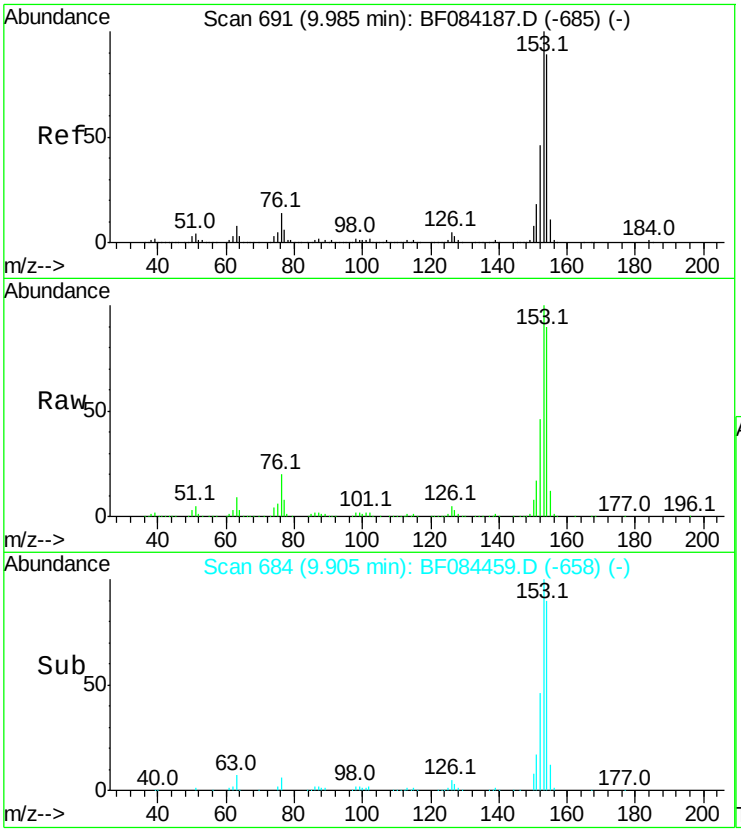




#50
2,6-Dinitrotoluene
Concen: 46.29 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:165 Resp: 379653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.5 | 28.8 | 43.2# |
| 89 | 60.8 | 35.1 | 52.7# |



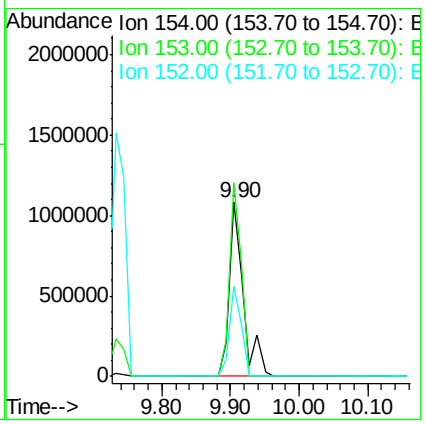


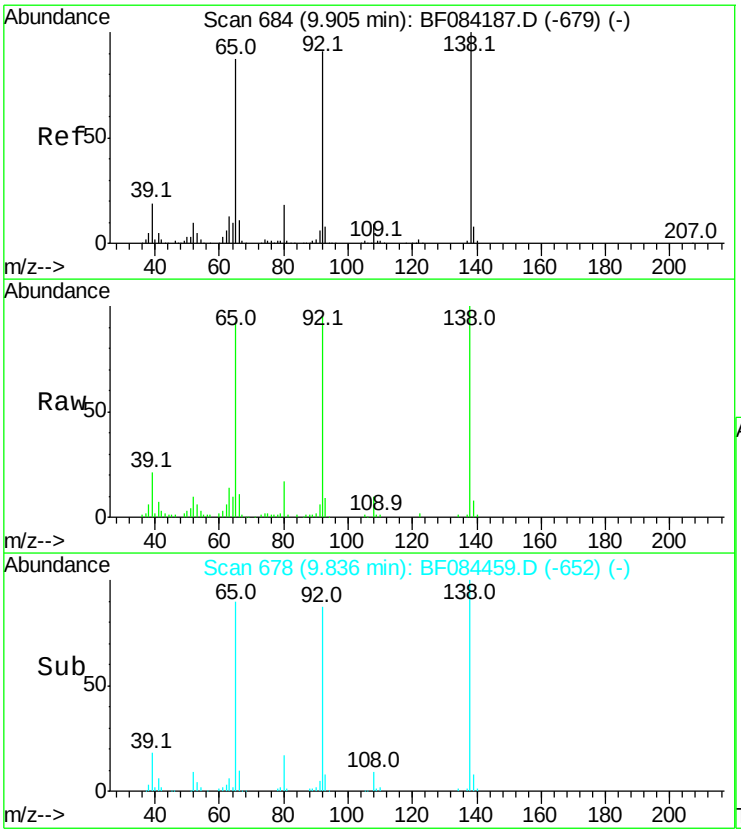

#51
Acenaphthene
Concen: 48.79 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:154 Resp: 1578892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 91.5 | 137.3 |
| 152 | 51.5 | 43.0 | 64.6 |

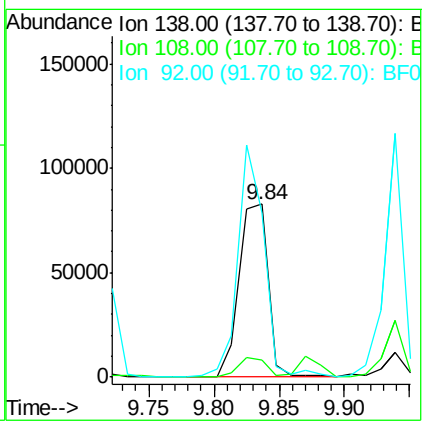


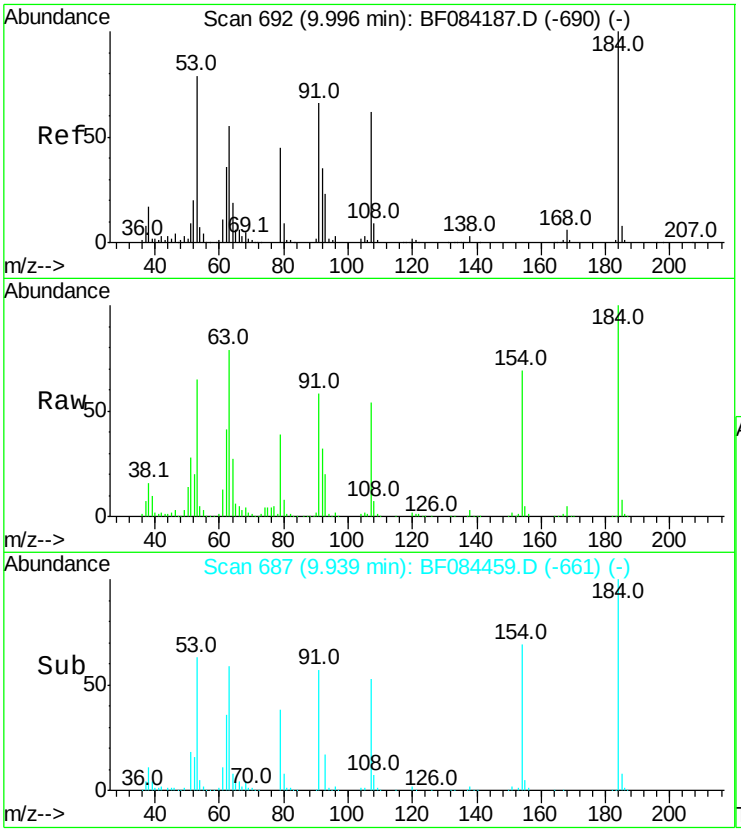




#52
3-Nitroaniline
Concen: 12.71 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:138 Resp: 129141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.6 | 10.5 | 15.7# |
| 92 | 94.9 | 103.9 | 155.9# |



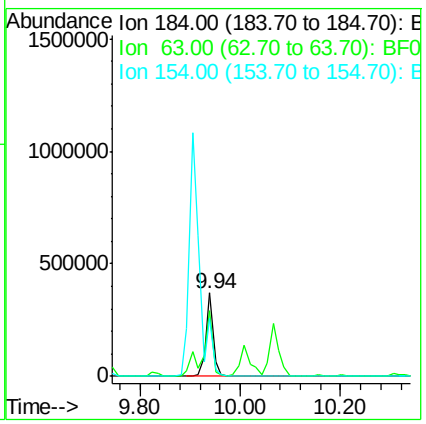


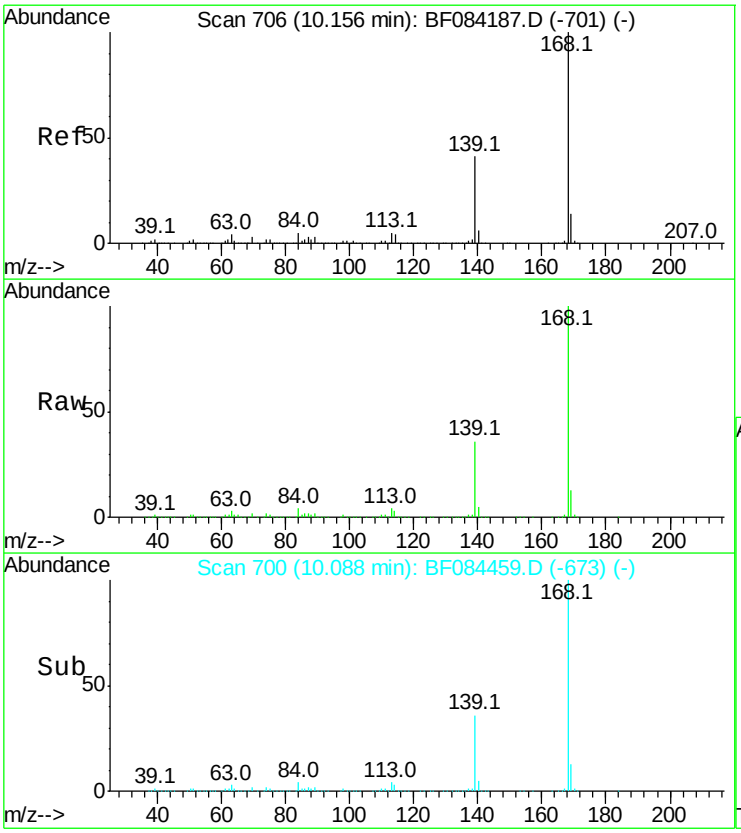

#53
2,4-Dinitrophenol
Concen: 109.21 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:184 Resp: 386303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 79.4 | 43.1 | 64.7# |
| 154 | 69.4 | 60.5 | 90.7 |

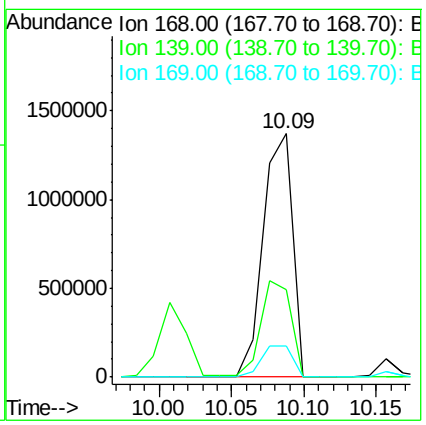


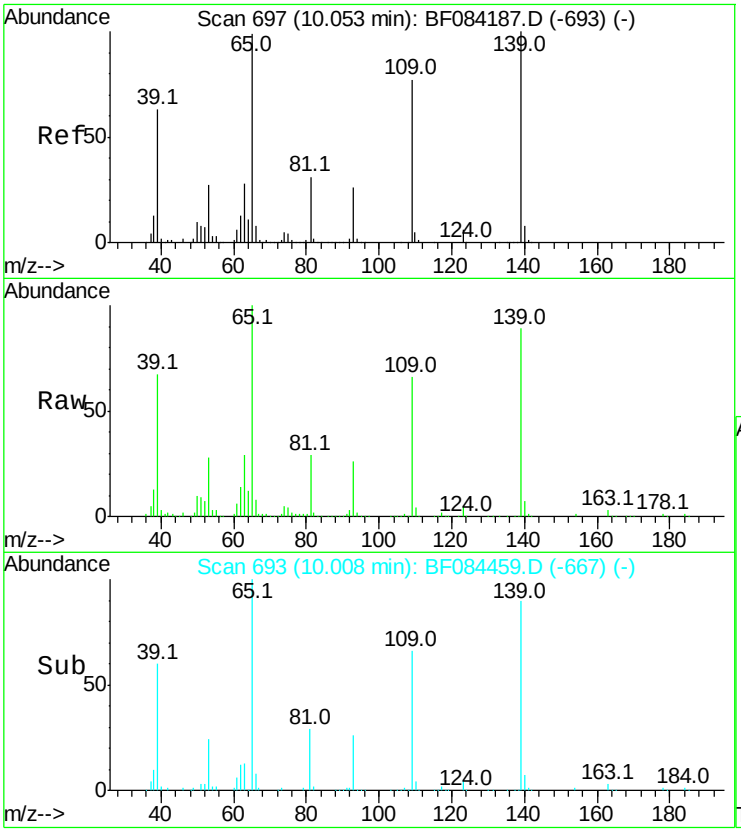




#54
Dibenzofuran
Concen: 45.93 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:168 Resp: 1922549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.9 | 30.5 | 45.7 |
| 169 | 13.1 | 10.4 | 15.6 |



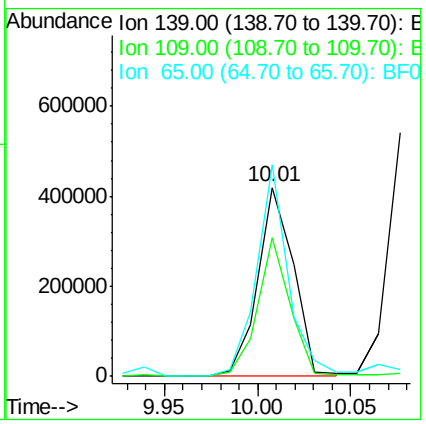


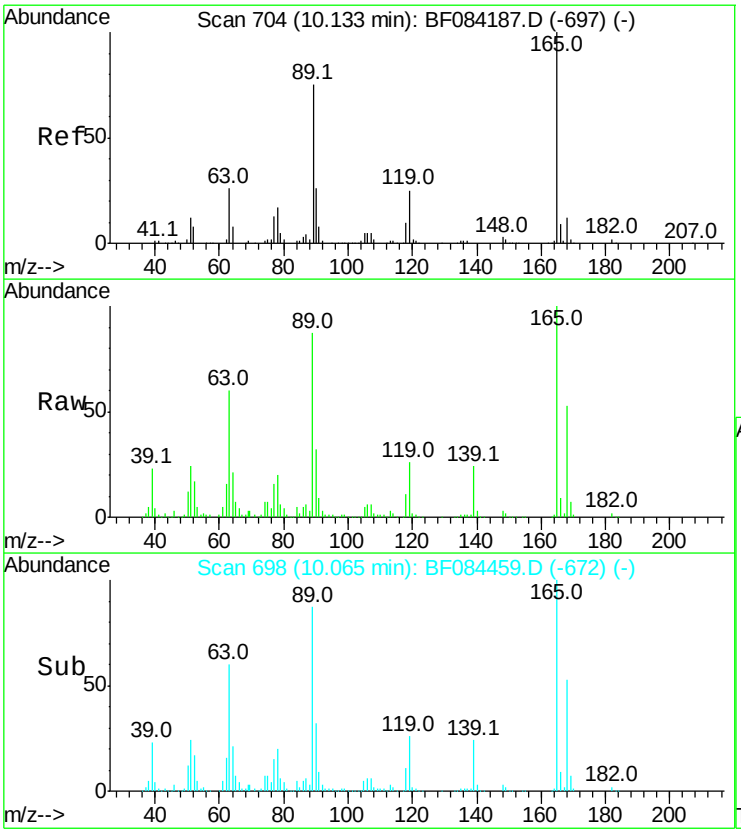

#55
4-Nitrophenol
Concen: 75.31 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:139 Resp: 555525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 58.5 | 98.5 |
| 65 | 112.5 | 57.6 | 97.6# |

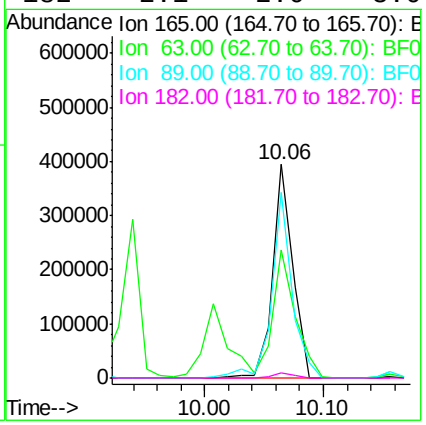


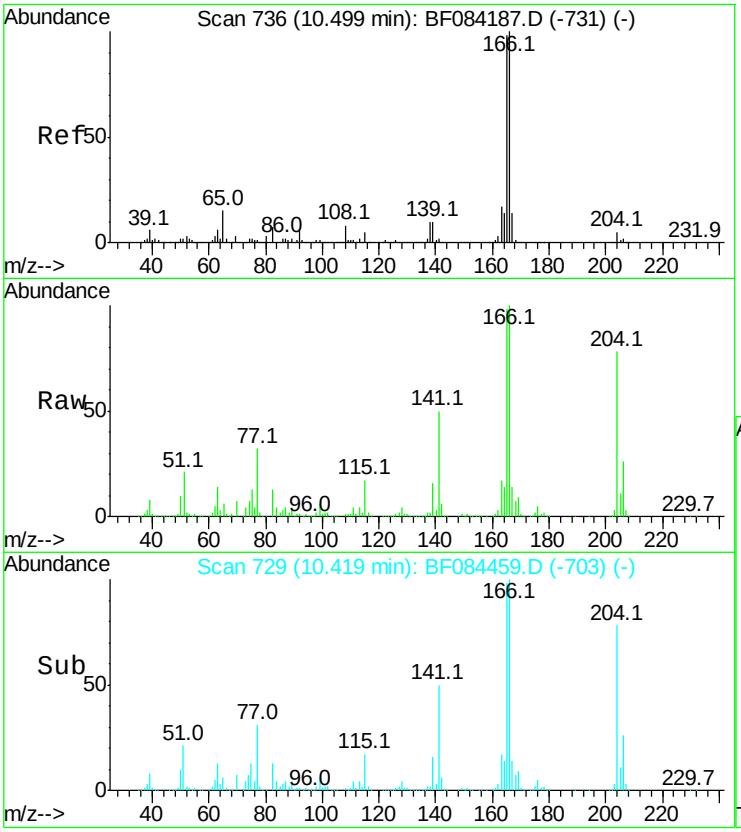




#56
2,4-Dinitrotoluene
Concen: 44.13 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:165 Resp: 458059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.8 | 36.7 | 55.1# |
| 89 | 86.8 | 61.9 | 92.9 |
| 182 | 2.1 | 2.0 | 3.0 |



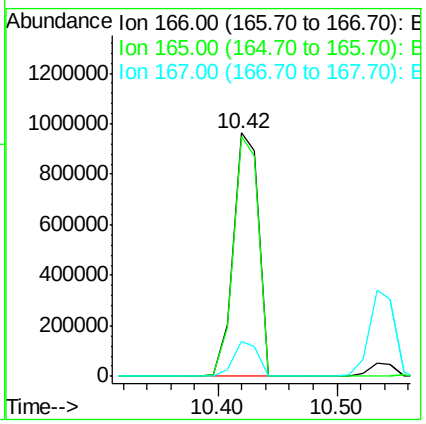


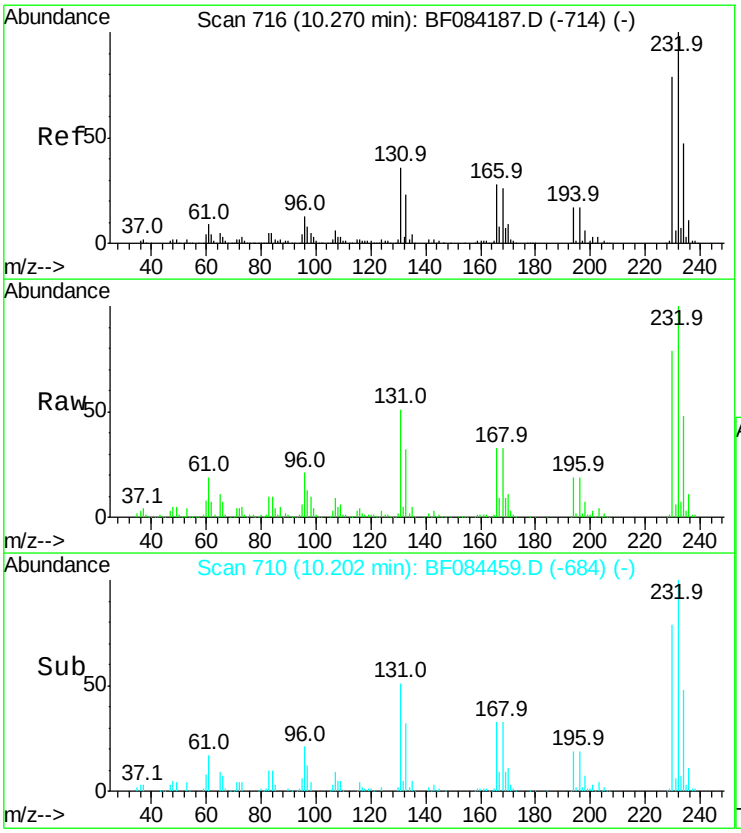

#57
Fluorene
Concen: 43.82 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:166 Resp: 1422276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 79.1 | 118.7 |
| 167 | 14.2 | 10.4 | 15.6 |

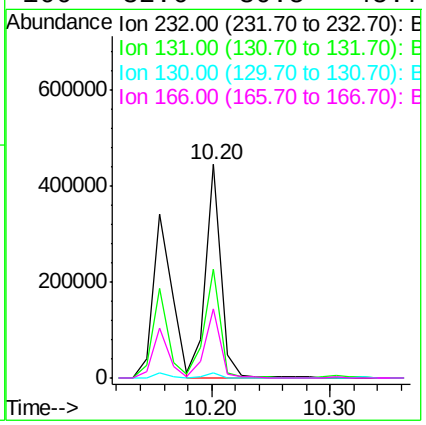


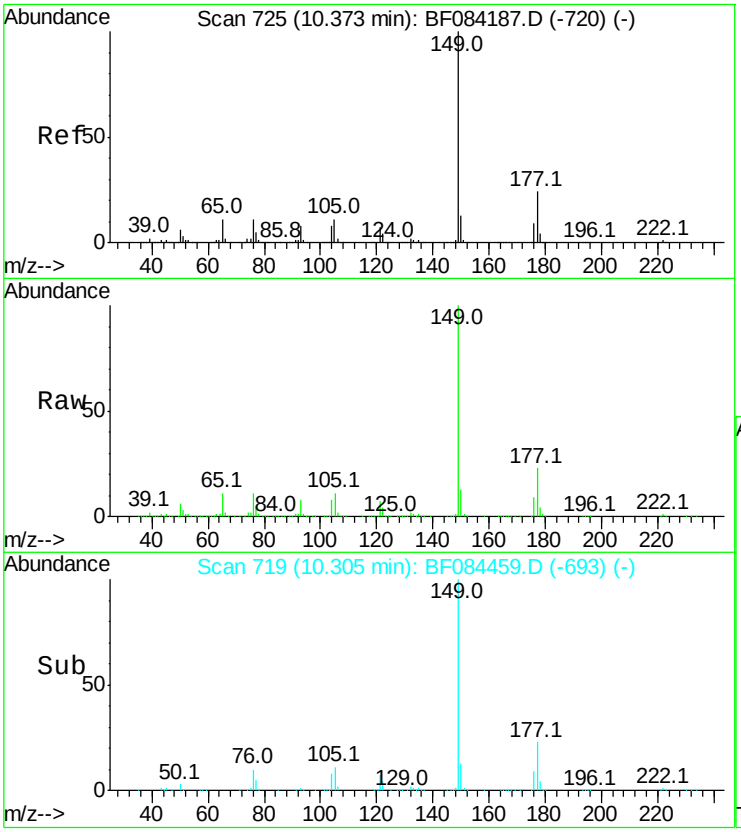




#58
2,3,4,6-Tetrachlorophenol
Concen: 43.57 ng
RT: 10.20 min Scan# 710
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:232 Resp: 401171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 52.2 | 47.0 | 70.6 |
| 130 | 2.5 | 2.0 | 3.0 |
| 166 | 32.6 | 30.5 | 45.7 |



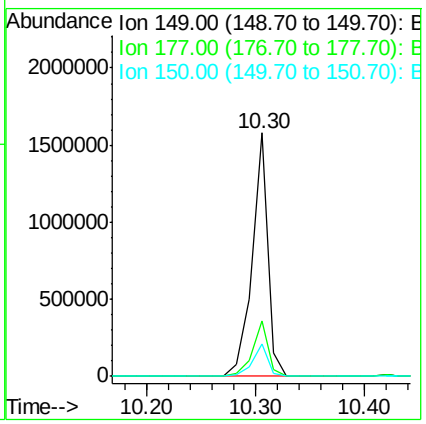


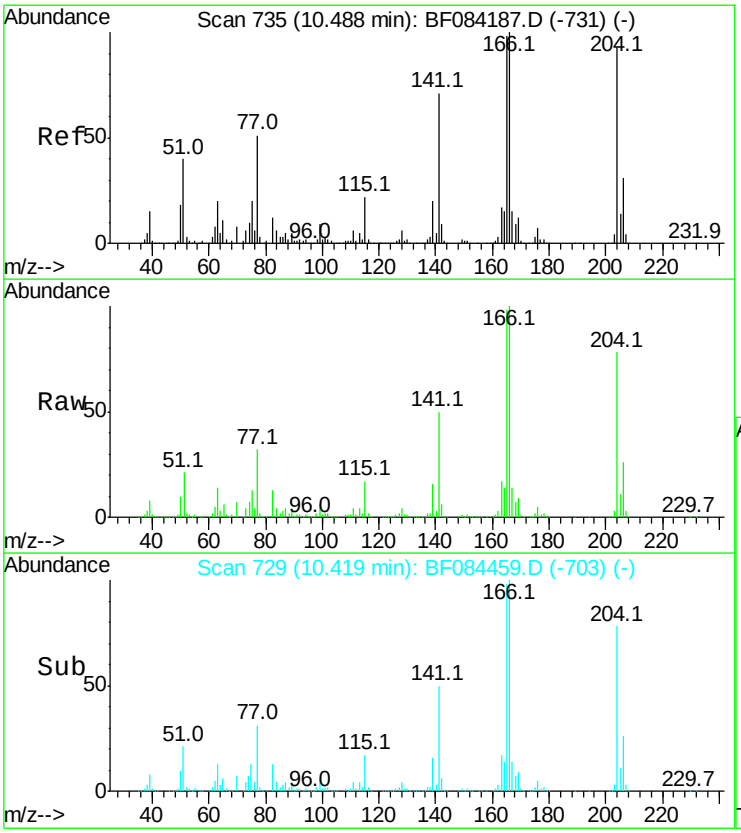

#59
Diethylphthalate
Concen: 43.00 ng
RT: 10.30 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:149 Resp: 1585470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.9 | 17.3 | 25.9 |
| 150 | 13.1 | 9.8 | 14.8 |

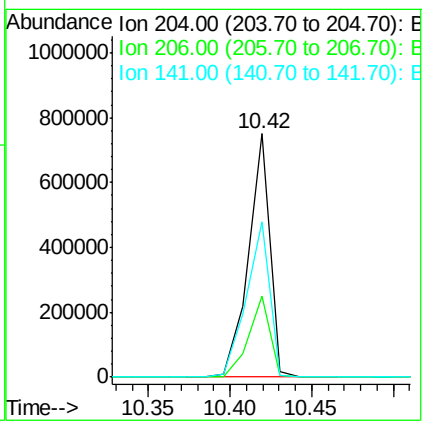


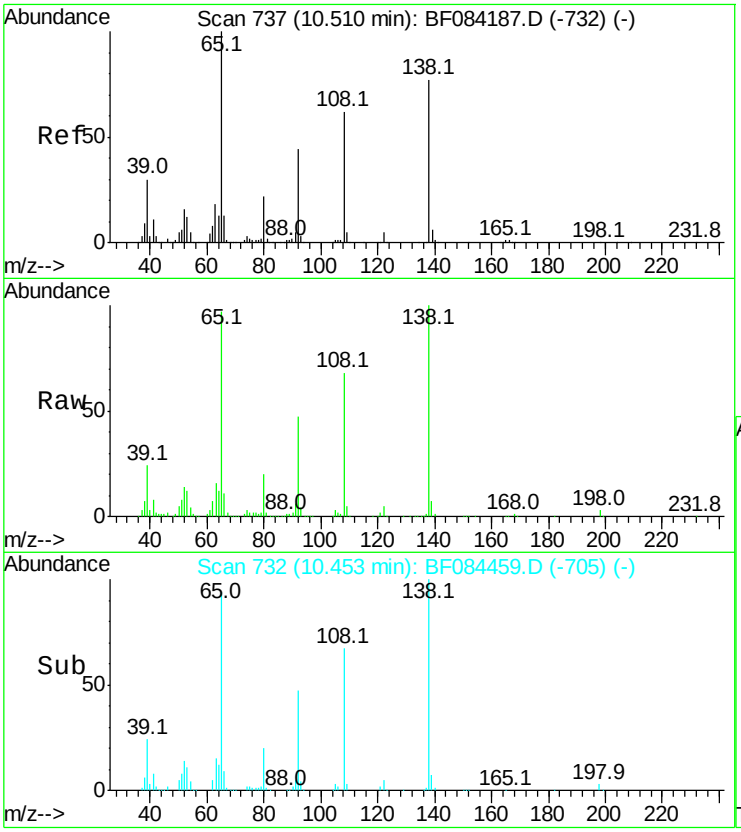




#60
4-Chlorophenyl-phenylether
Concen: 50.79 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:204 Resp: 680604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 25.7 | 38.5 |
| 141 | 63.9 | 55.1 | 82.7 |



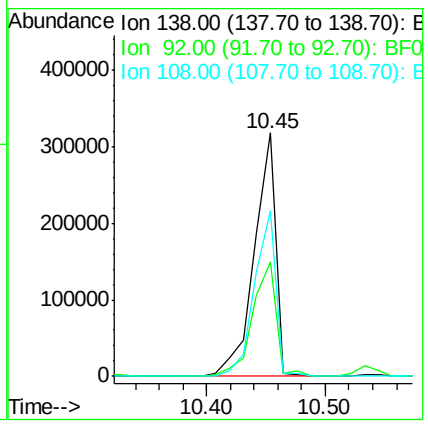


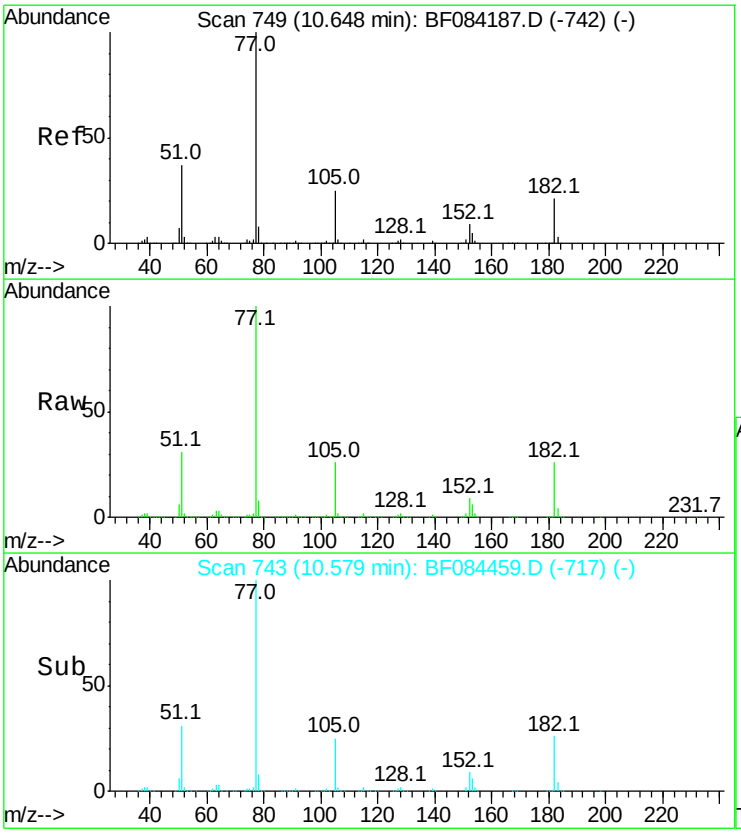

#61
4-Nitroaniline
Concen: 44.53 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:138 Resp: 403416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.0 | 32.6 | 72.6 |
| 108 | 68.2 | 68.6 | 108.6# |

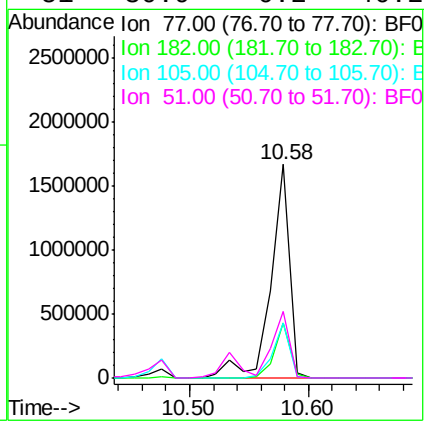


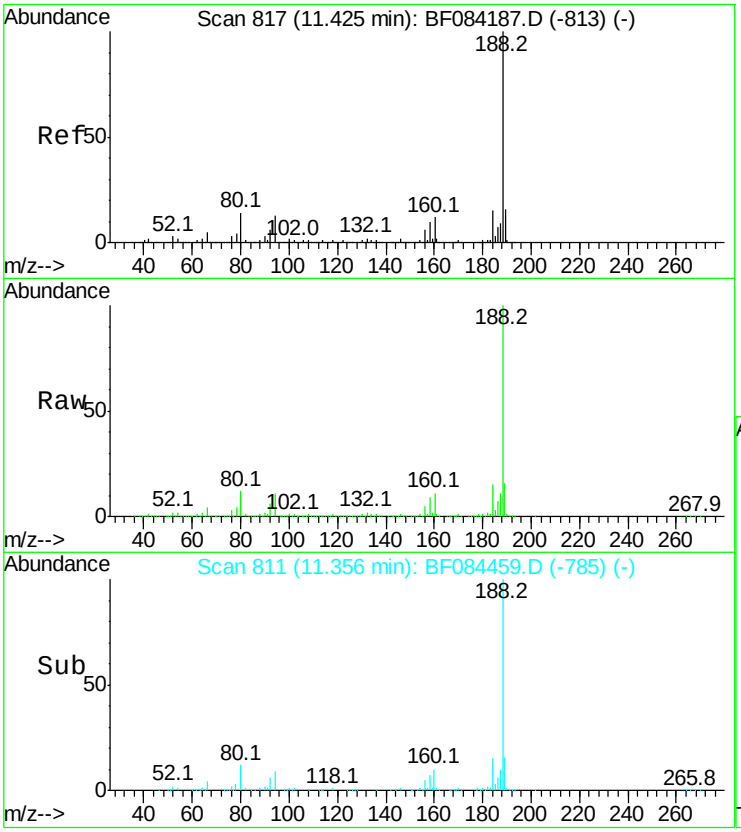




#62
Azobenzene
Concen: 45.41 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion: 77 Resp: 1836286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.5 | 8.3 | 48.3 |
| 105 | 25.7 | 4.6 | 44.6 |
| 51 | 30.9 | 6.2 | 46.2 |



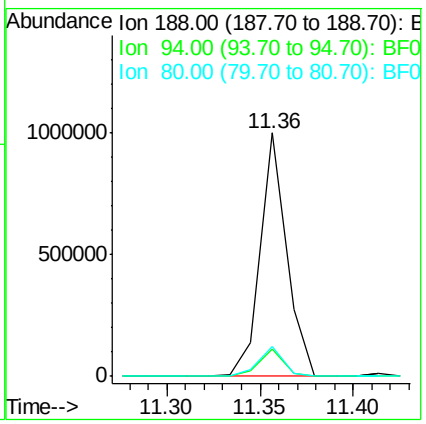


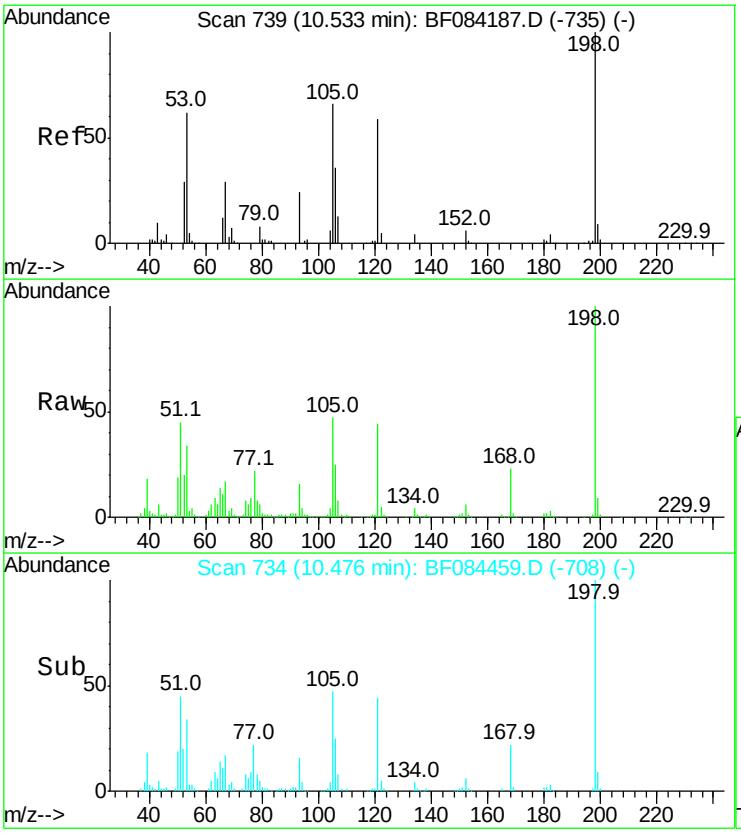

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:188 Resp: 978581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.5 | 9.0 | 13.4 |
| 80 | 12.3 | 9.6 | 14.4 |

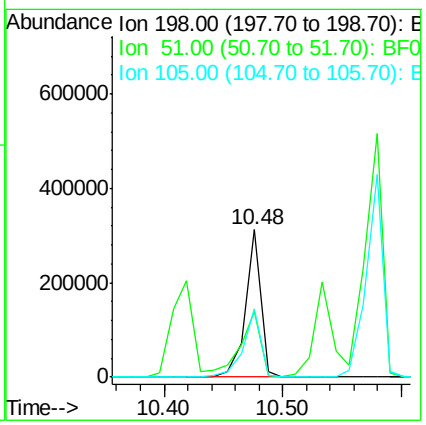


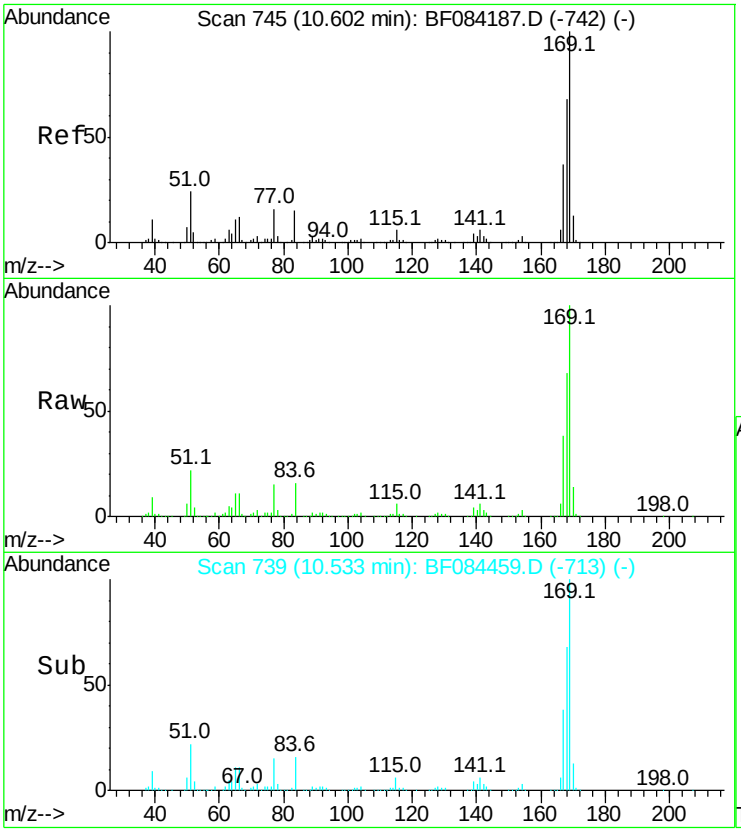




#64
4,6-Dinitro-2-methylphenol
Concen: 47.67 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:198 Resp: 282739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.9 | 18.9 | 58.9 |
| 105 | 46.7 | 26.4 | 66.4 |



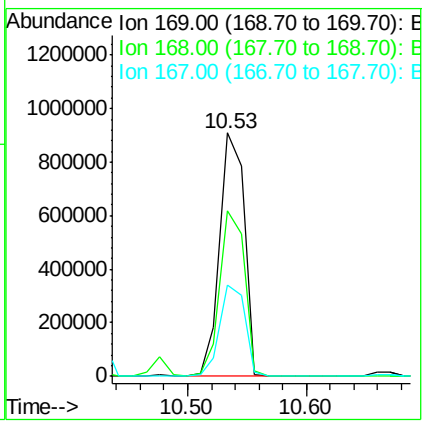


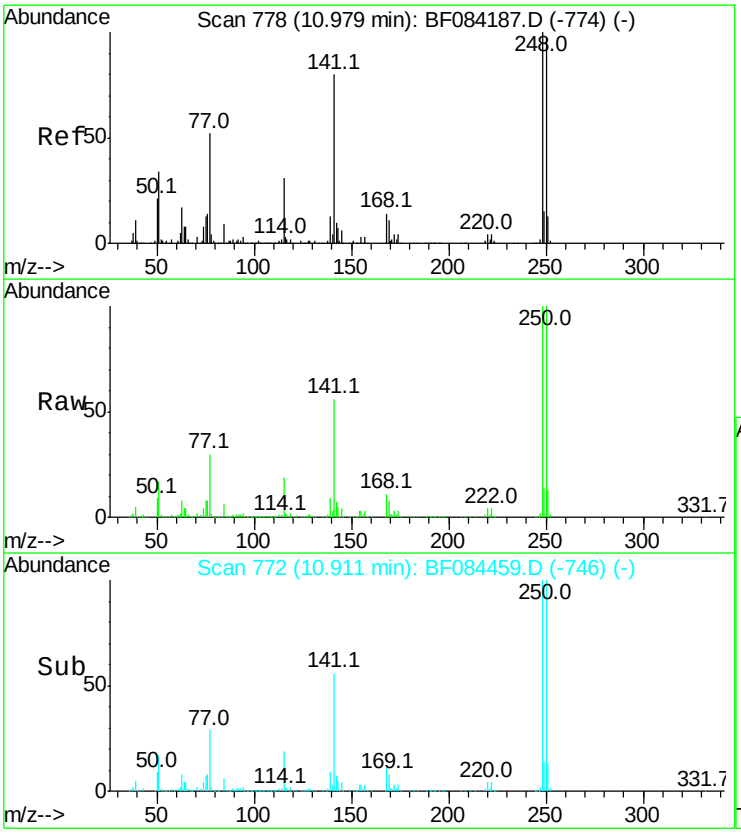

#65
n-Nitrosodiphenylamine
Concen: 41.54 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:169 Resp: 1299636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.8 | 55.1 | 82.7 |
| 167 | 37.6 | 30.0 | 45.0 |

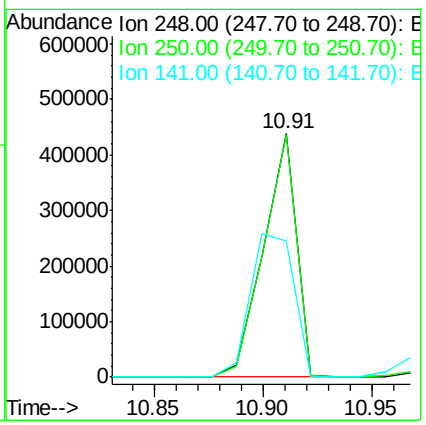


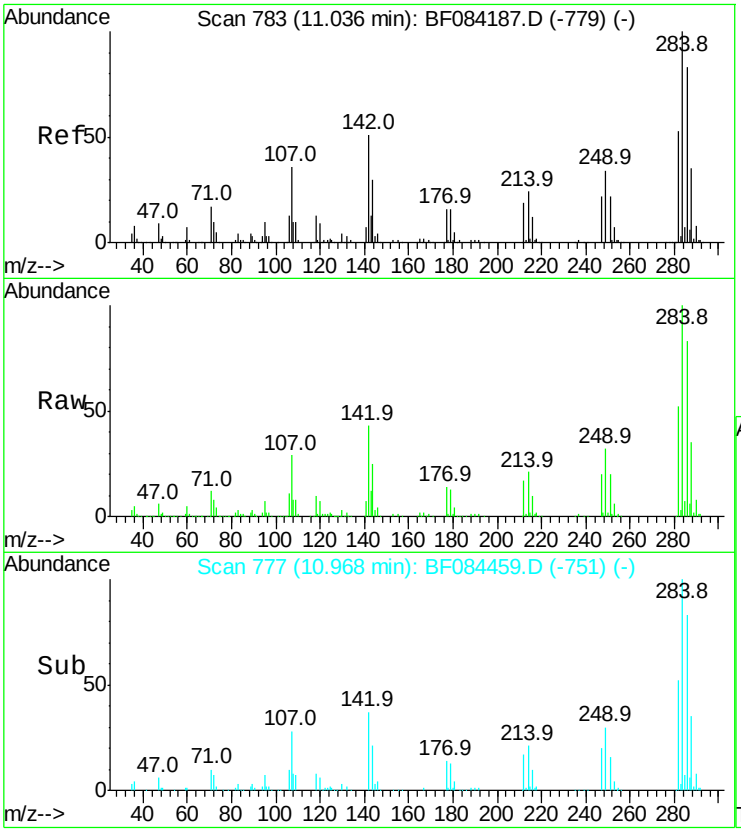




#66
4-Bromophenyl-phenylether
Concen: 44.27 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:248 Resp: 466316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.6 | 78.4 | 117.6 |
| 141 | 55.9 | 44.0 | 66.0 |



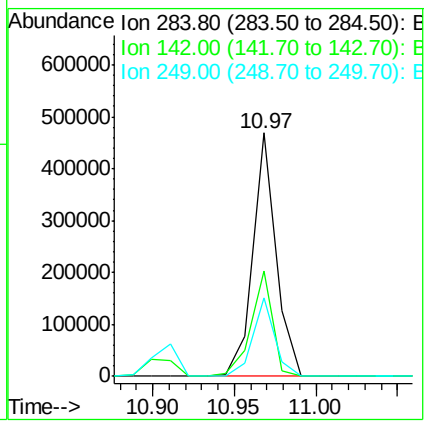


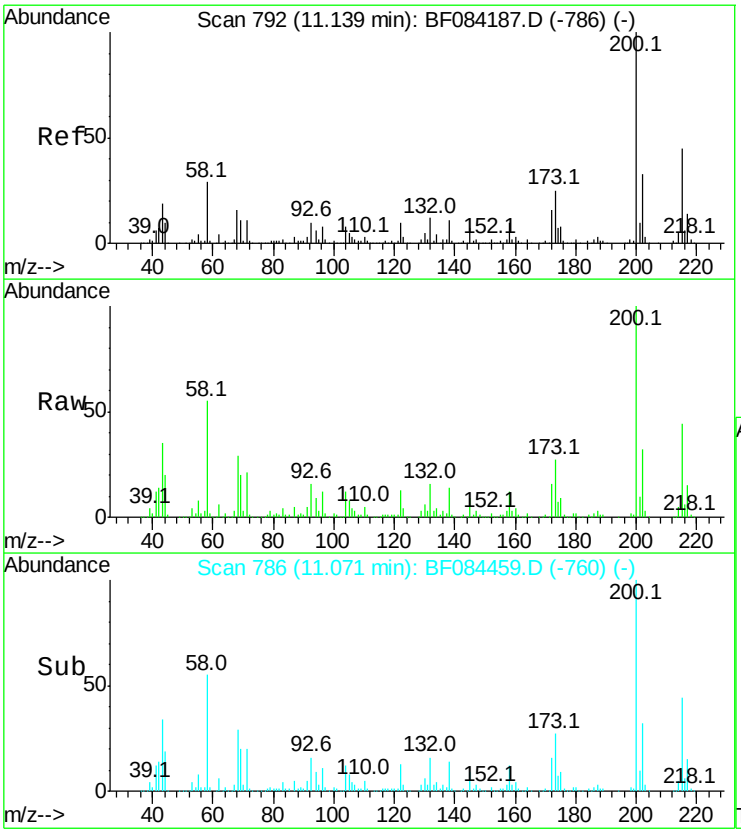

#67
Hexachlorobenzene
Concen: 39.16 ng
RT: 10.97 min Scan# 777
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:284 Resp: 464266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 43.4 | 22.2 | 33.4# |
| 249 | 32.3 | 24.6 | 37.0 |

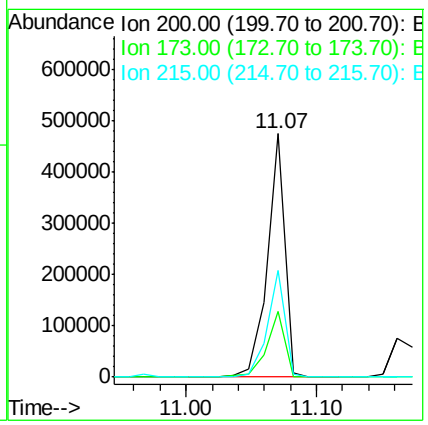


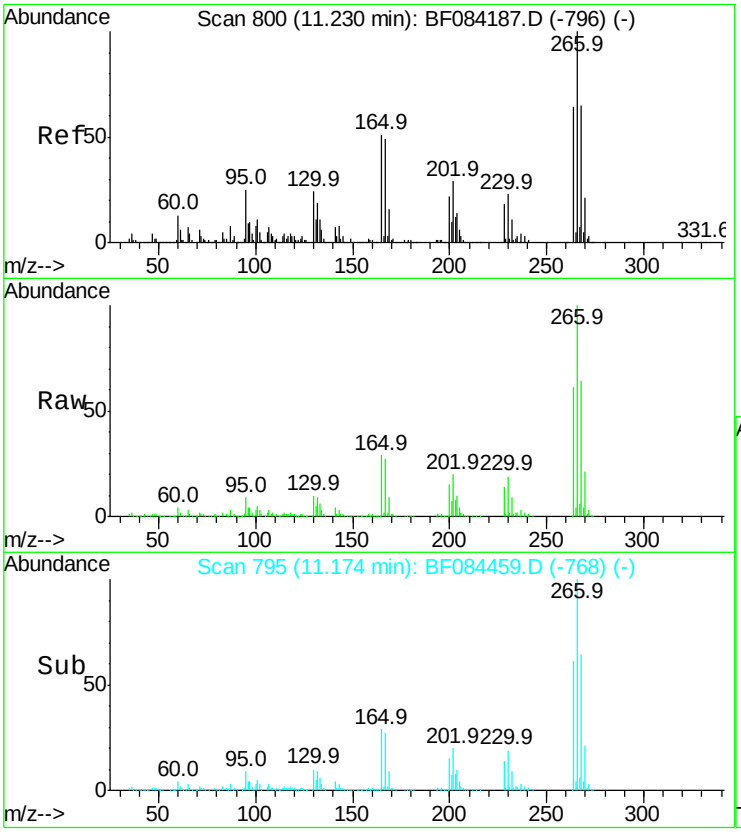




#68
Atrazine
Concen: 43.40 ng
RT: 11.07 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:200 Resp: 444323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 9.5 | 49.5 |
| 215 | 43.9 | 23.8 | 63.8 |



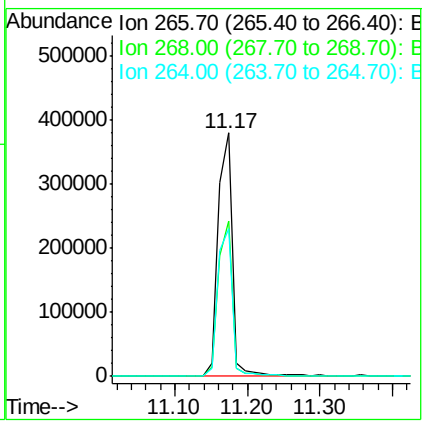


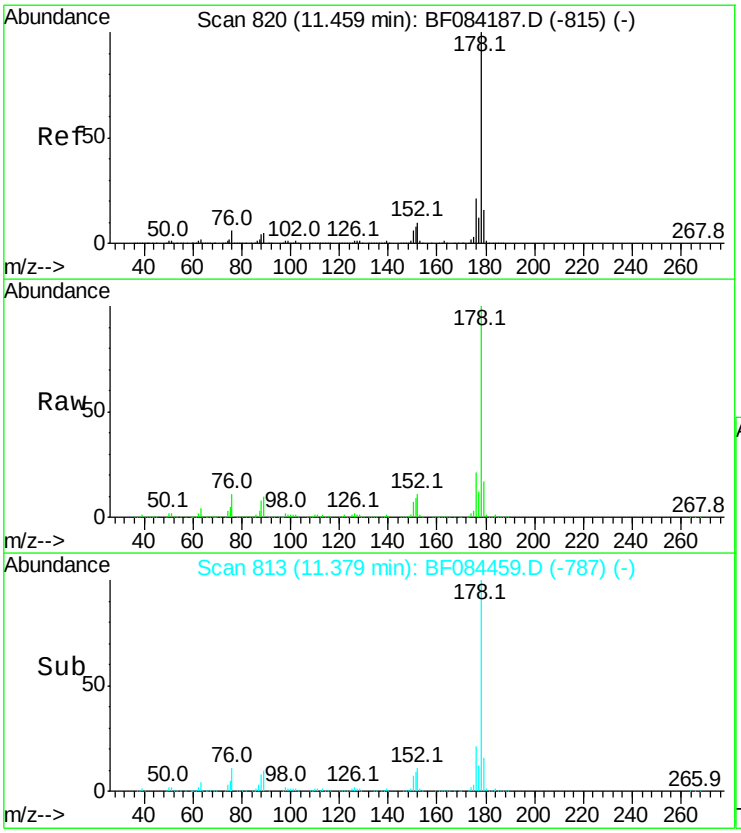

#69
Pentachlorophenol
Concen: 84.98 ng
RT: 11.17 min Scan# 795
Delta R.T. 0.01 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:266 Resp: 522349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 52.4 | 78.6 |
| 264 | 60.9 | 50.2 | 75.2 |

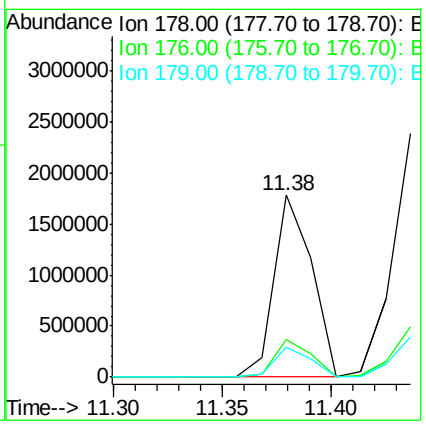


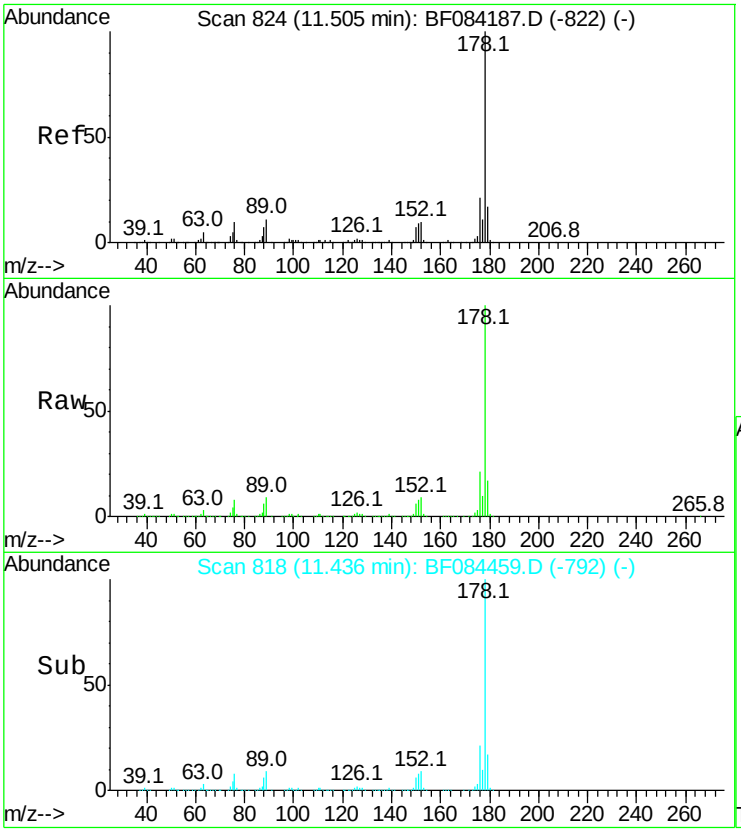




#70
Phenanthrene
Concen: 42.34 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:178 Resp: 2167359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.7 | 15.3 | 22.9 |
| 179 | 16.7 | 12.0 | 18.0 |



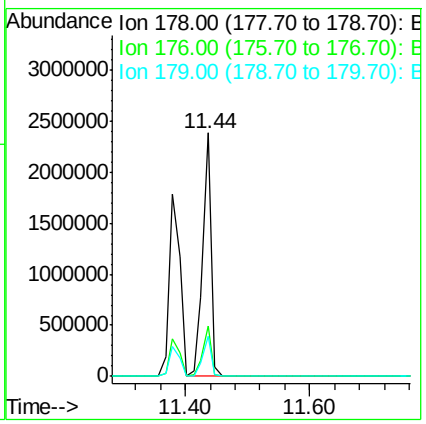


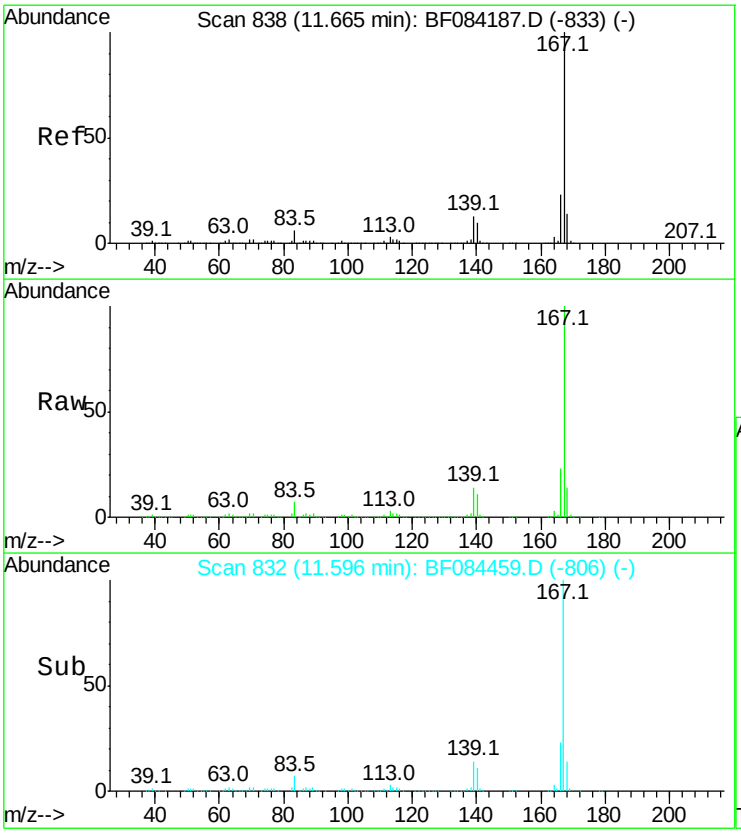

#71
Anthracene
Concen: 45.44 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:178 Resp: 2279951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.6 | 15.4 | 23.0 |
| 179 | 16.6 | 12.5 | 18.7 |

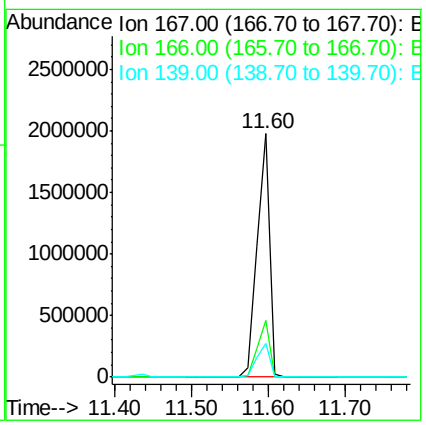


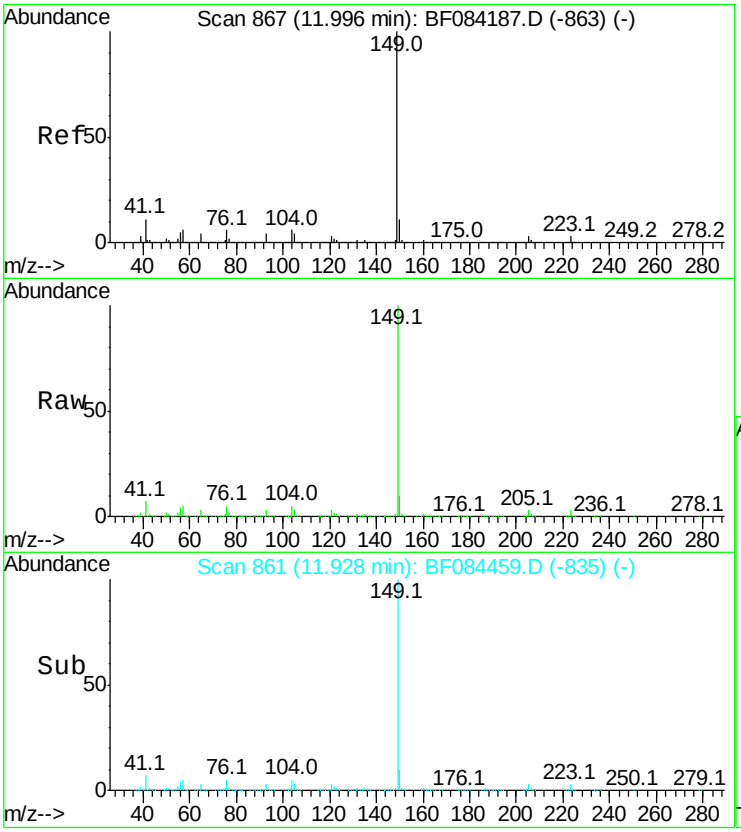




#72
Carbazole
Concen: 44.21 ng
RT: 11.60 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:167 Resp: 2168771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.4 | 17.6 | 26.4 |
| 139 | 13.9 | 11.8 | 17.8 |



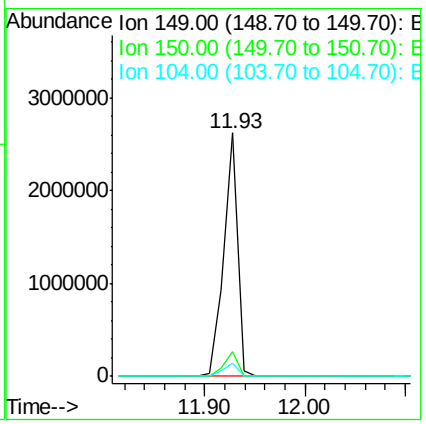


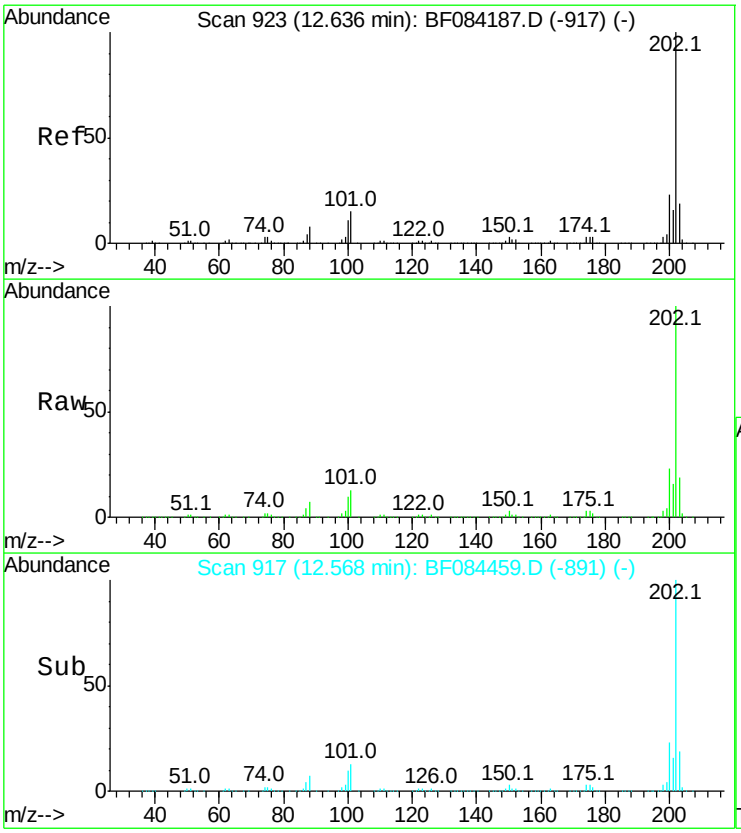

#73
Di-n-butylphthalate
Concen: 49.13 ng
RT: 11.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:149 Resp: 2502869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.2 | 7.1 | 10.7 |
| 104 | 5.5 | 3.2 | 4.8# |

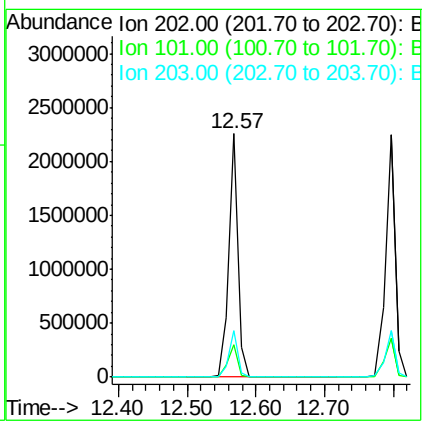


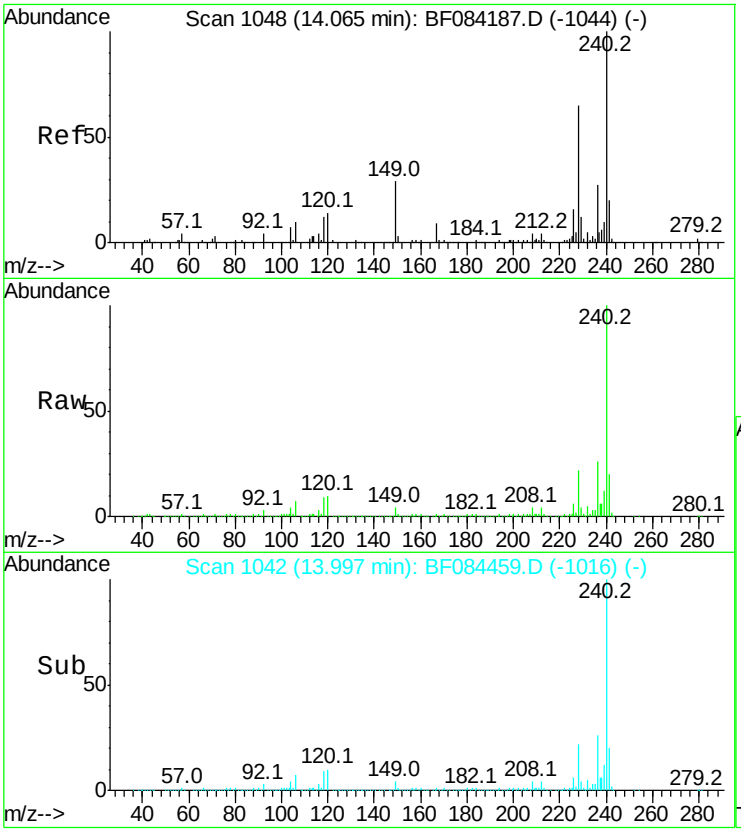




#74
Fluoranthene
Concen: 40.17 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:202 Resp: 2147779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 0.0 | 32.8 |
| 203 | 19.2 | 0.0 | 37.9 |



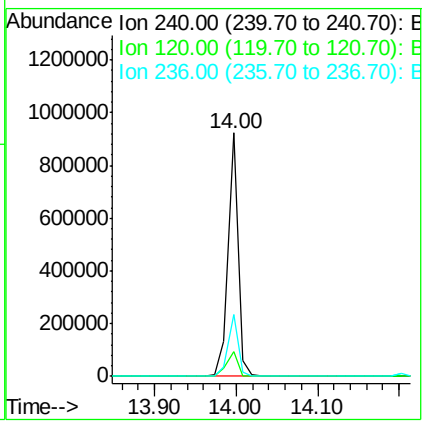


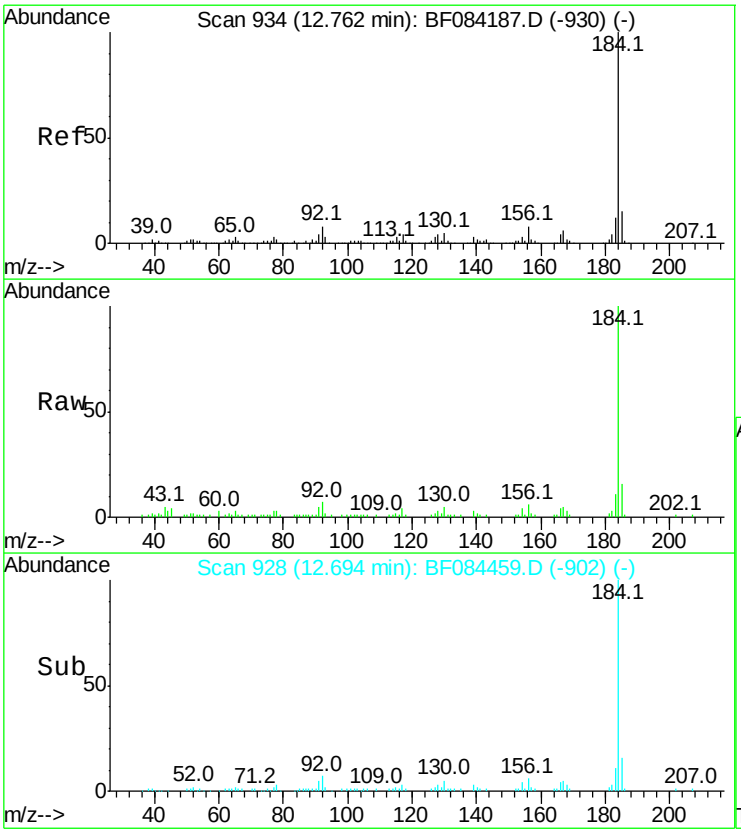

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:240 Resp: 780189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 9.5 | 14.3 |
| 236 | 25.6 | 20.6 | 31.0 |

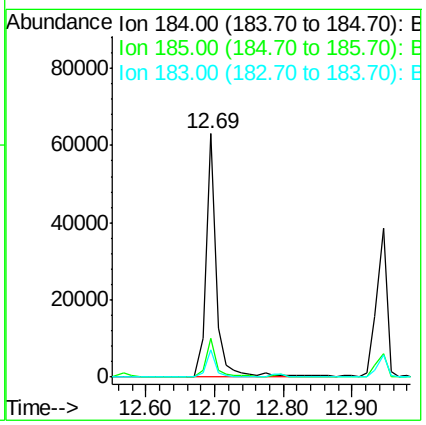


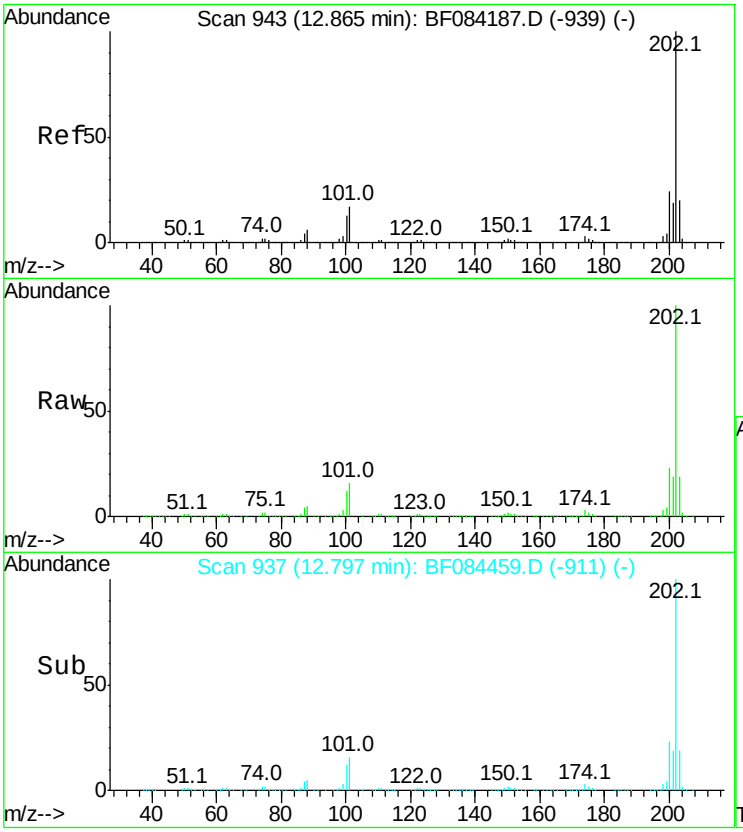




#76
Benzidine
Concen: 2.41 ng
RT: 12.69 min Scan# 928
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:184 Resp: 67347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.9 | 12.2 | 18.2 |
| 183 | 11.3 | 9.8 | 14.8 |



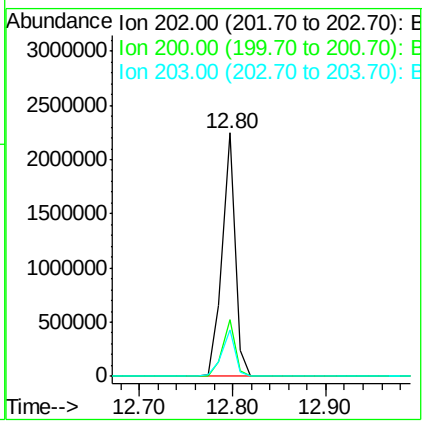


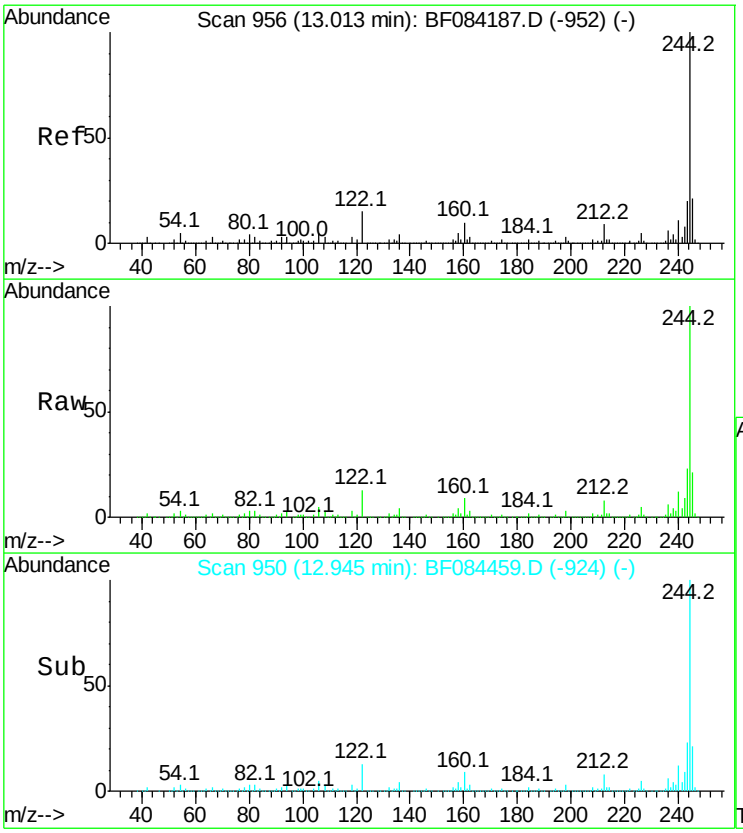

#77
Pyrene
Concen: 35.60 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:202 Resp: 2179841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 23.3 | 17.2 | 25.8 |
| 203 | 19.0 | 14.3 | 21.5 |

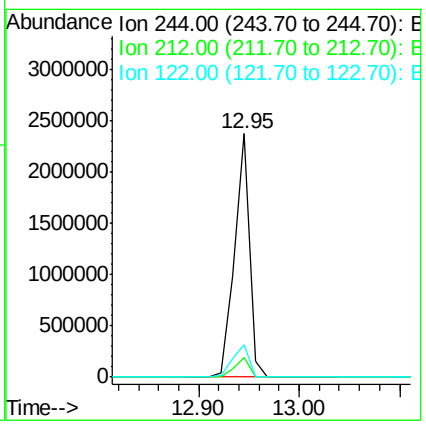


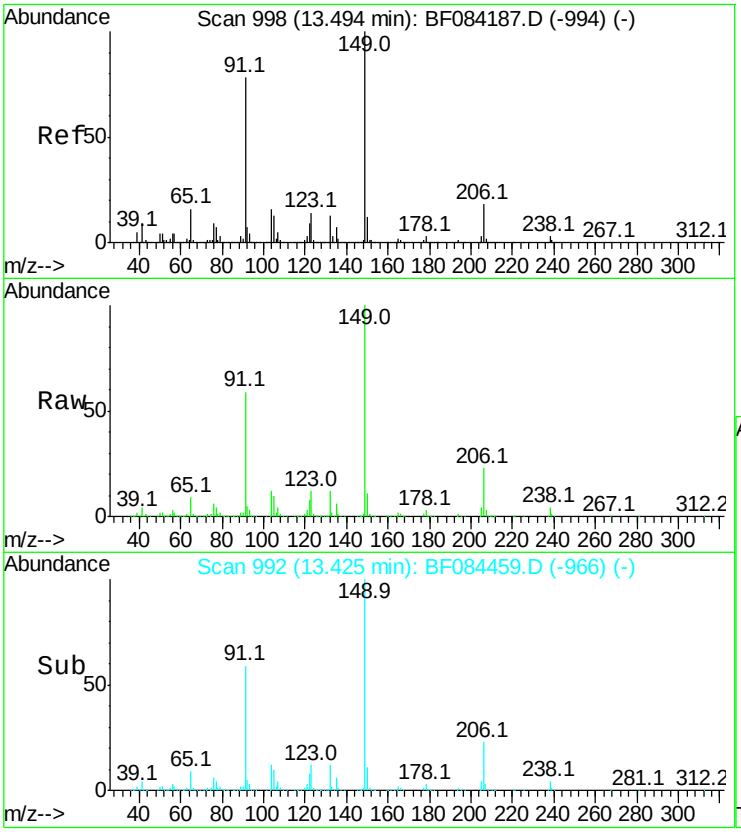




#78
Terphenyl-d14
Concen: 69.88 ng
RT: 12.95 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:244 Resp: 2442313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 5.7 | 8.5 |
| 122 | 13.4 | 7.4 | 11.0# |



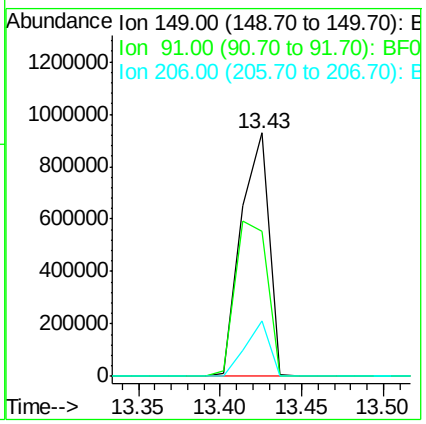


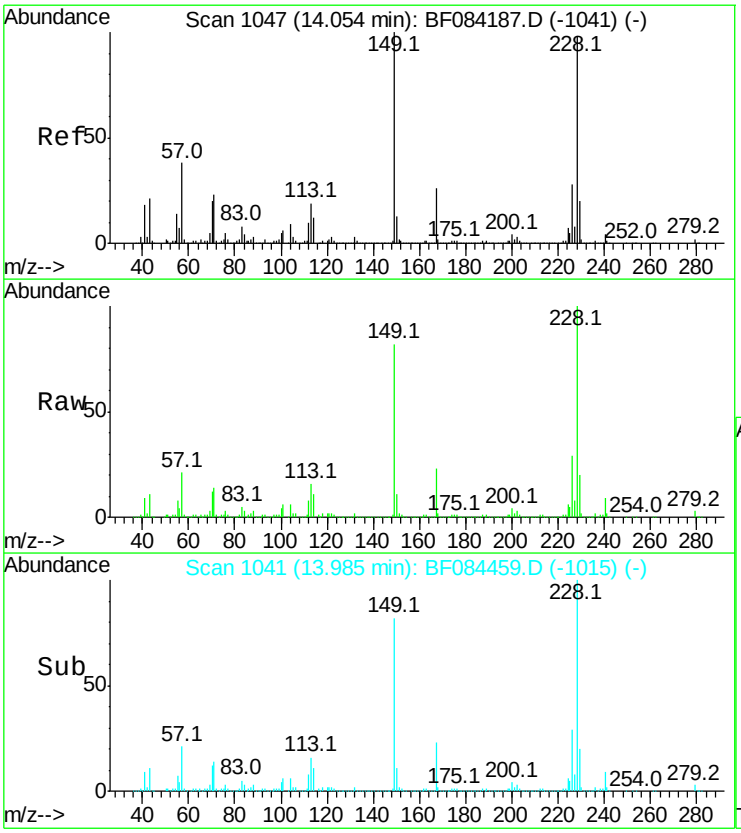

#79
Butylbenzylphthalate
Concen: 41.44 ng
RT: 13.43 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:149 Resp: 1097936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 59.4 | 57.6 | 86.4 |
| 206 | 23.0 | 13.2 | 19.8# |

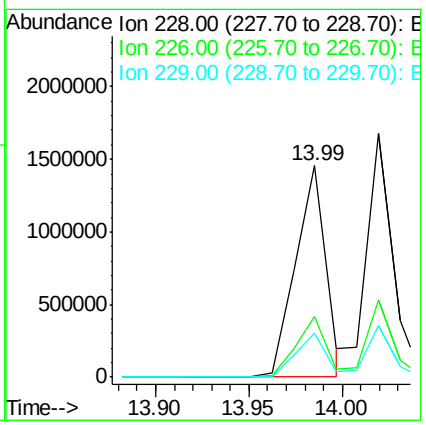


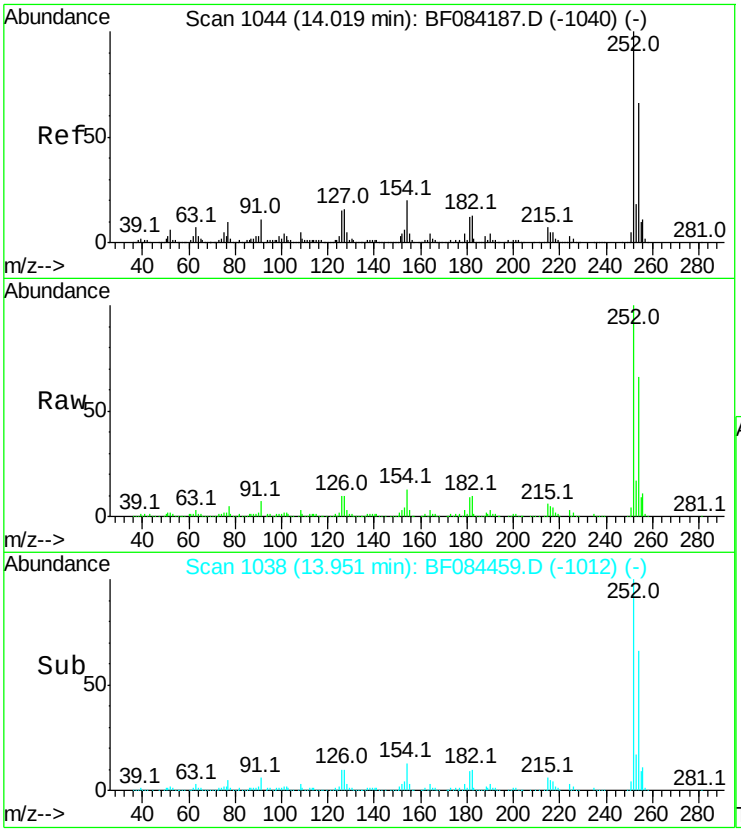




#80
Benzo(a)anthracene
Concen: 36.22 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:228 Resp: 1659113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.6 | 21.8 | 32.6 |
| 229 | 20.5 | 15.8 | 23.8 |



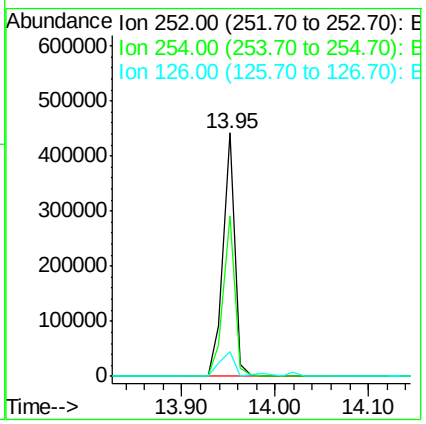


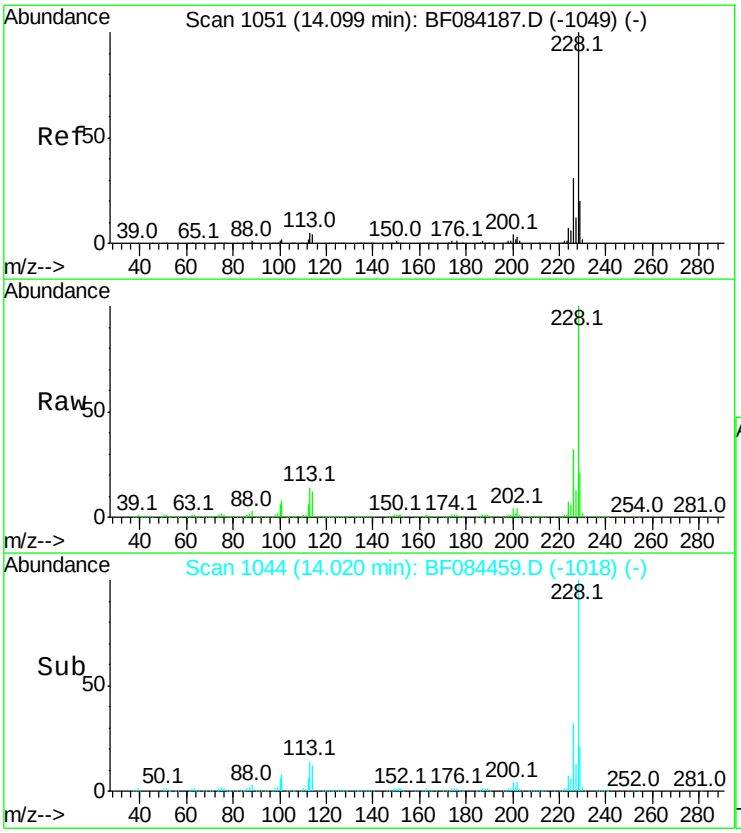

#81
3,3'-Dichlorobenzidine
Concen: 24.22 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:252 Resp: 387258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.7 | 53.5 | 80.3 |
| 126 | 10.0 | 4.9 | 7.3# |

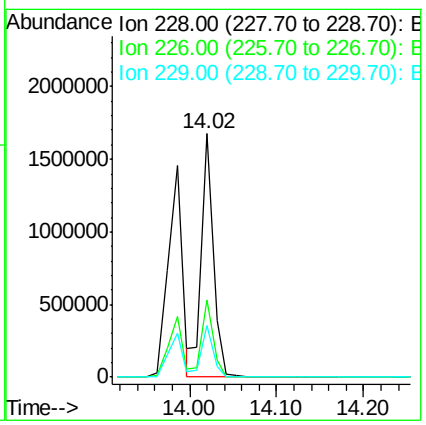


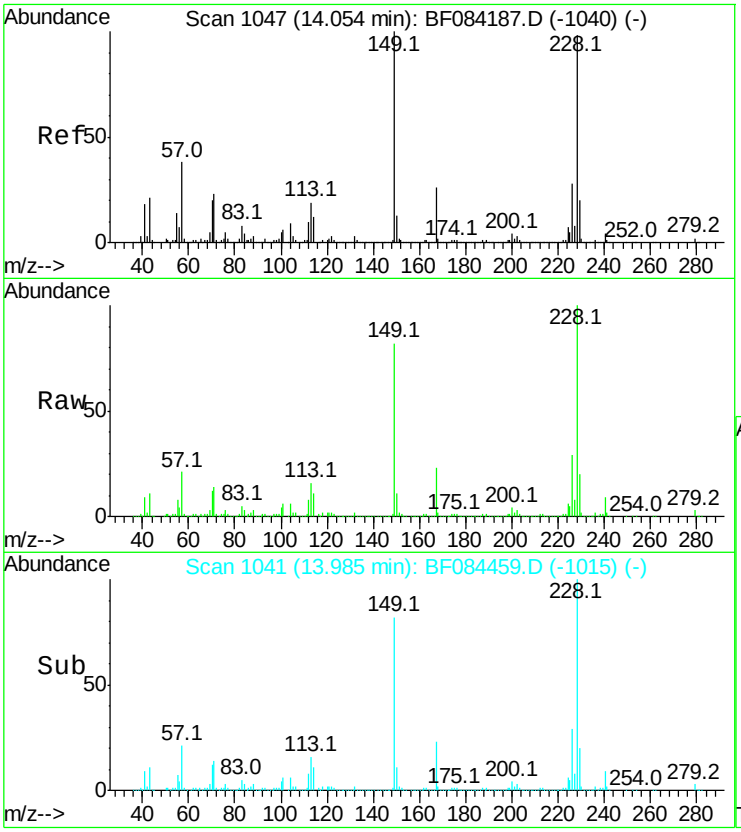




#82
Chrysene
Concen: 36.22 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:228 Resp: 1594657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 24.3 | 36.5 |
| 229 | 21.3 | 16.1 | 24.1 |



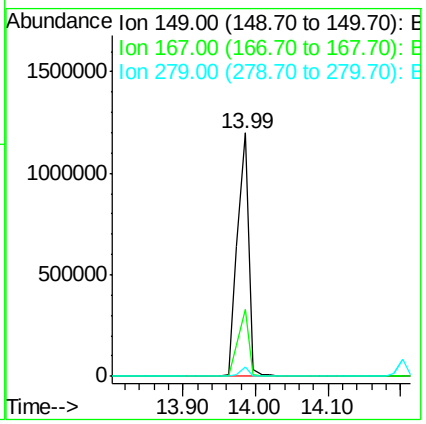


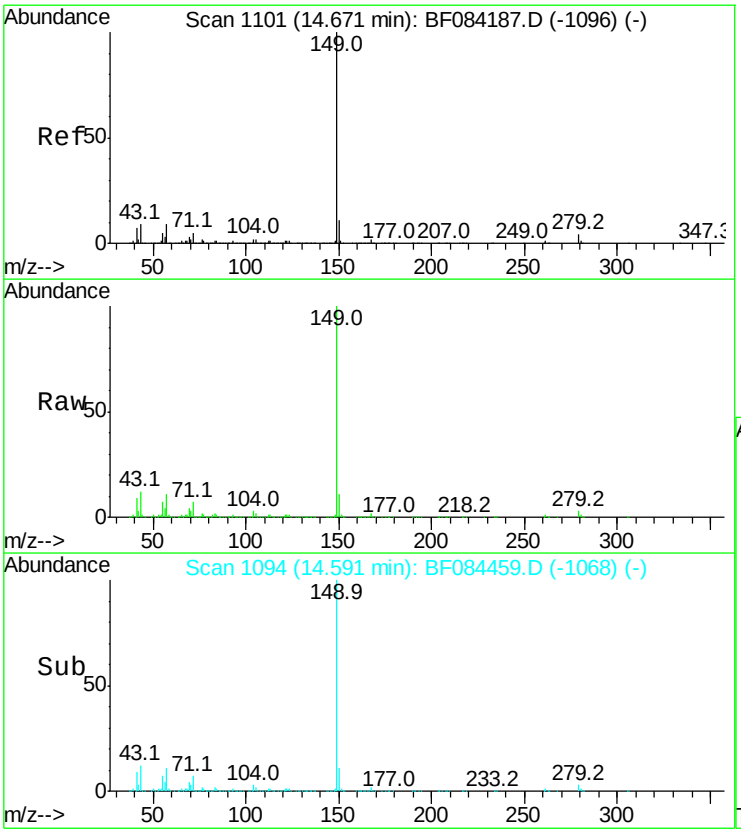

#83
Bis(2-ethylhexyl)phthalate
Concen: 39.05 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:149 Resp: 1307153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 19.7 | 29.5 |
| 279 | 3.8 | 1.8 | 2.6# |

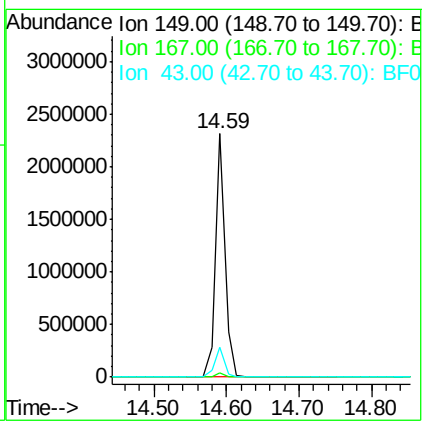


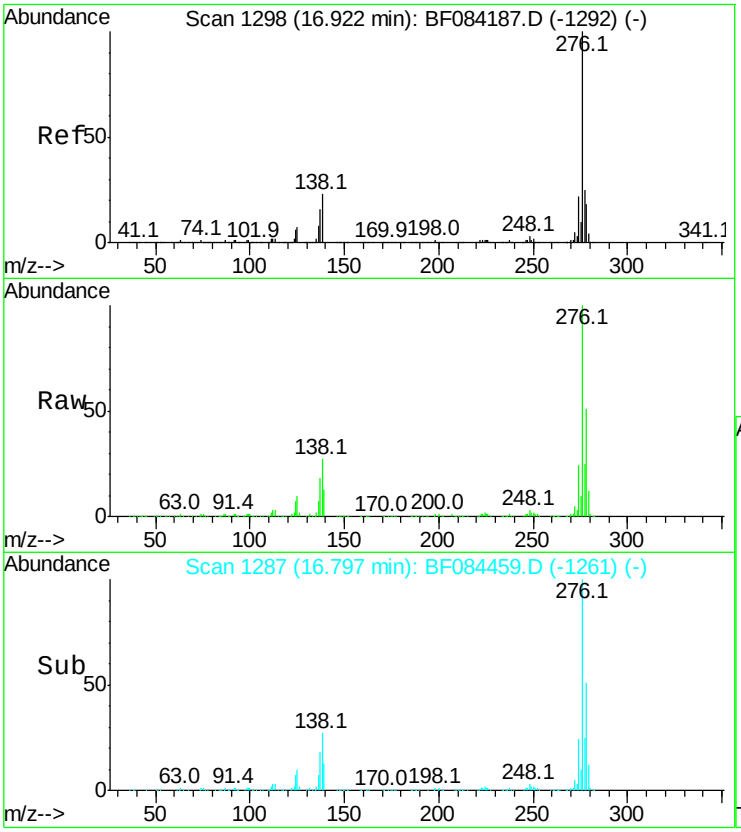




#84
Di-n-octyl phthalate
Concen: 37.30 ng
RT: 14.59 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:149 Resp: 2107802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.2 | 1.8 |
| 43 | 12.1 | 5.6 | 8.4# |



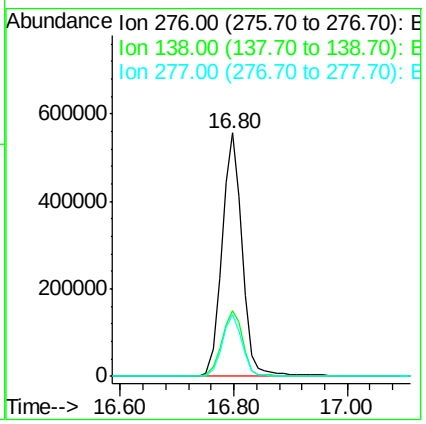


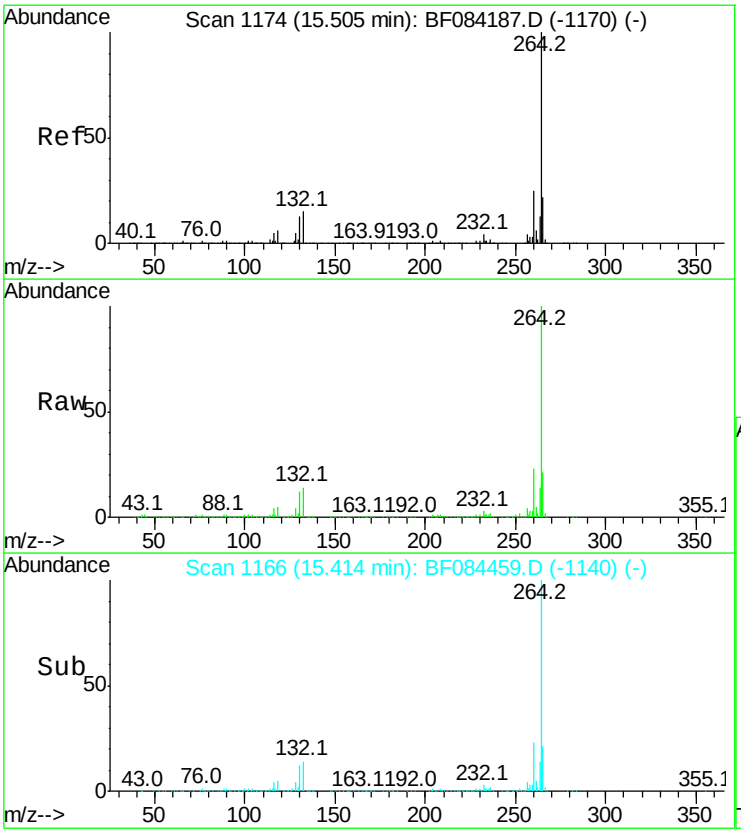

#85
Indeno(1,2,3-cd)pyrene
Concen: 39.56 ng
RT: 16.80 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:276 Resp: 1380600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.3 | 20.6 | 30.8 |
| 277 | 25.4 | 20.1 | 30.1 |

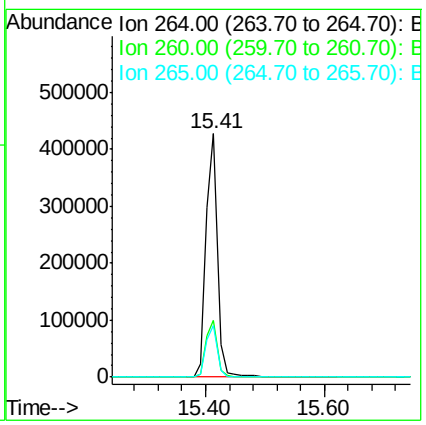


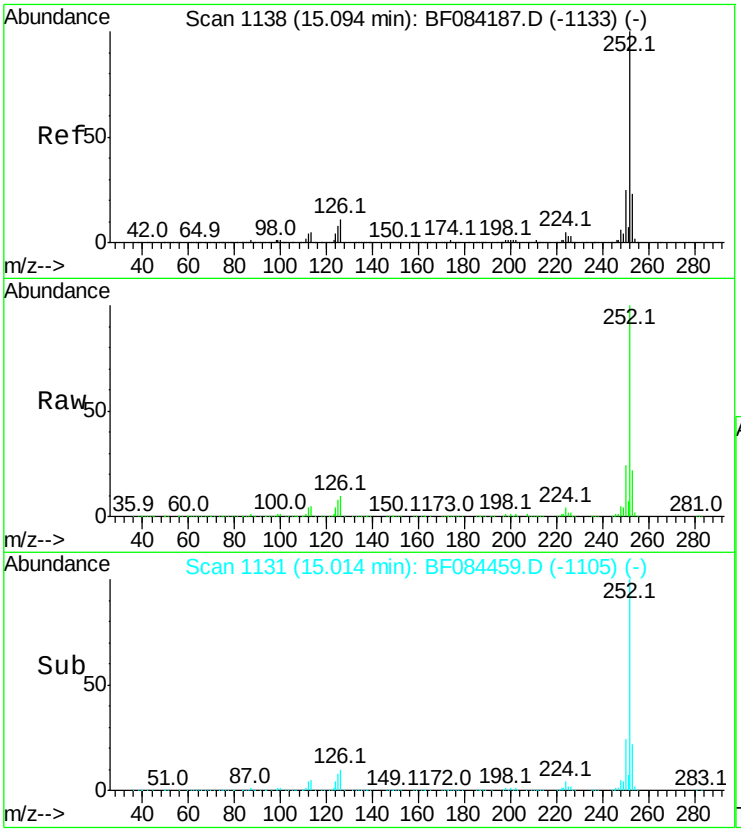




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:264 Resp: 571120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.4 | 29.2 |
| 265 | 21.4 | 17.8 | 26.6 |



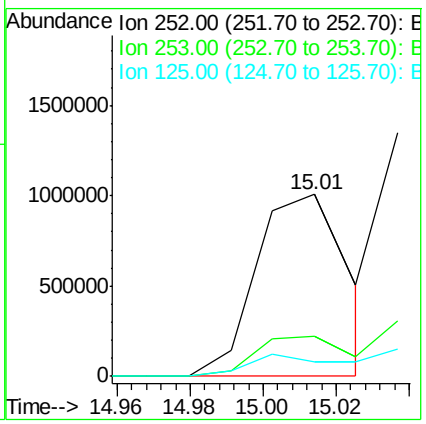


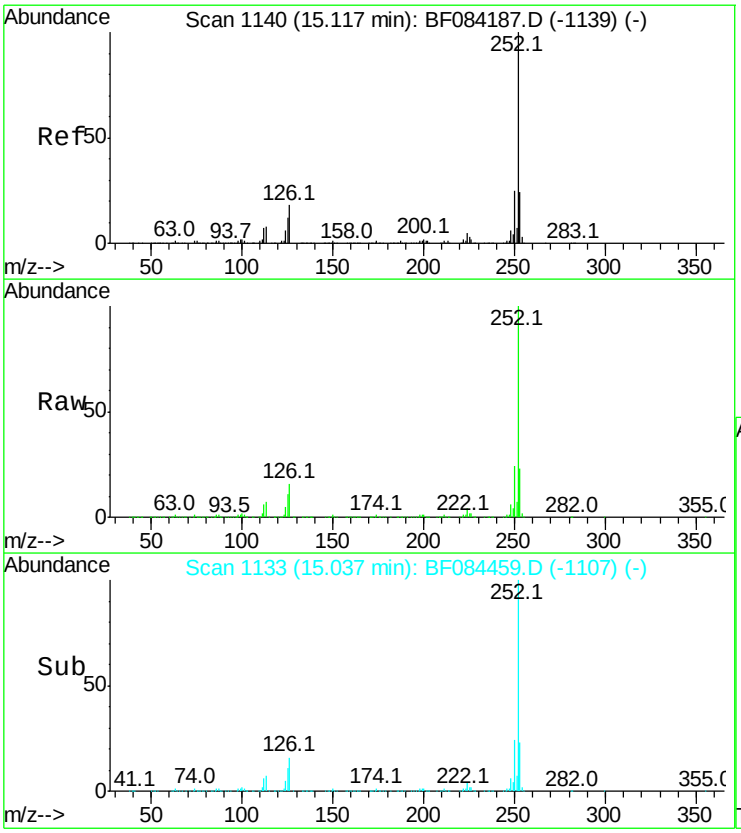

#87
Benzo(b)fluoranthene
Concen: 47.26 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:252 Resp: 1765702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.3 | 25.9 |
| 125 | 7.8 | 6.5 | 9.7 |

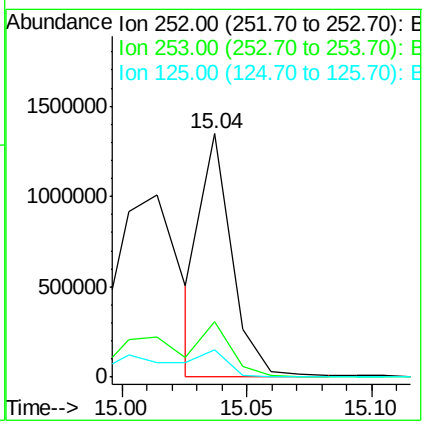


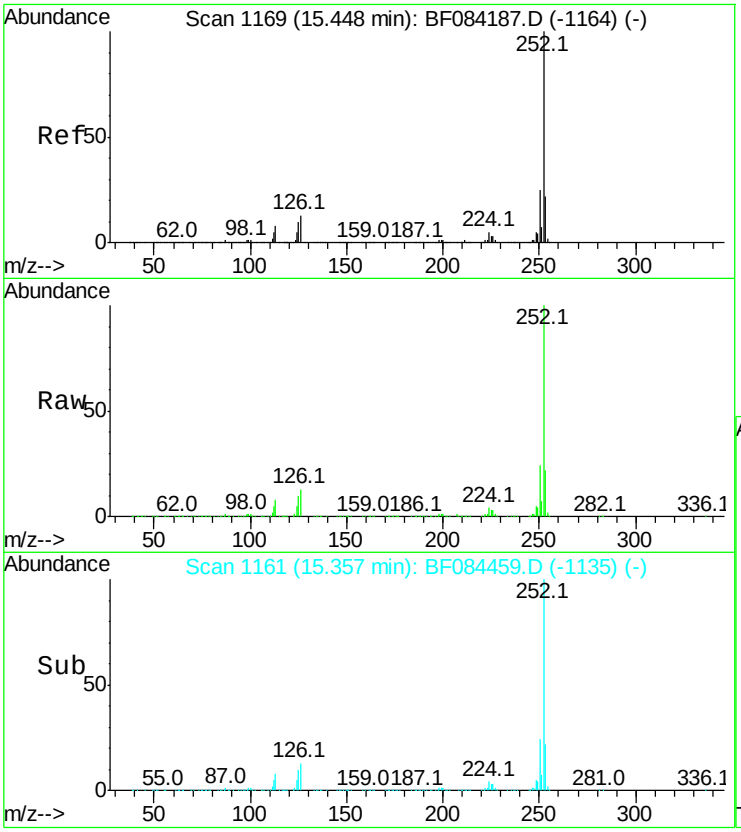




#88
Benzo(k)fluoranthene
Concen: 37.53 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:252 Resp: 1146598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.1 | 27.1 |
| 125 | 11.0 | 9.0 | 13.6 |



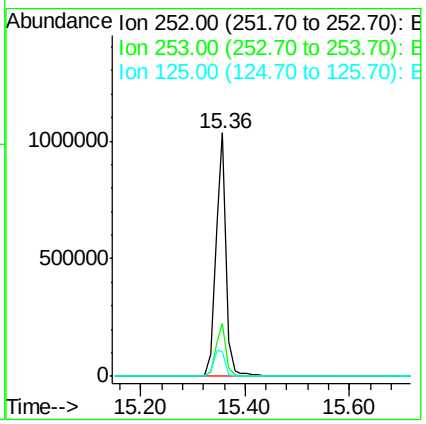


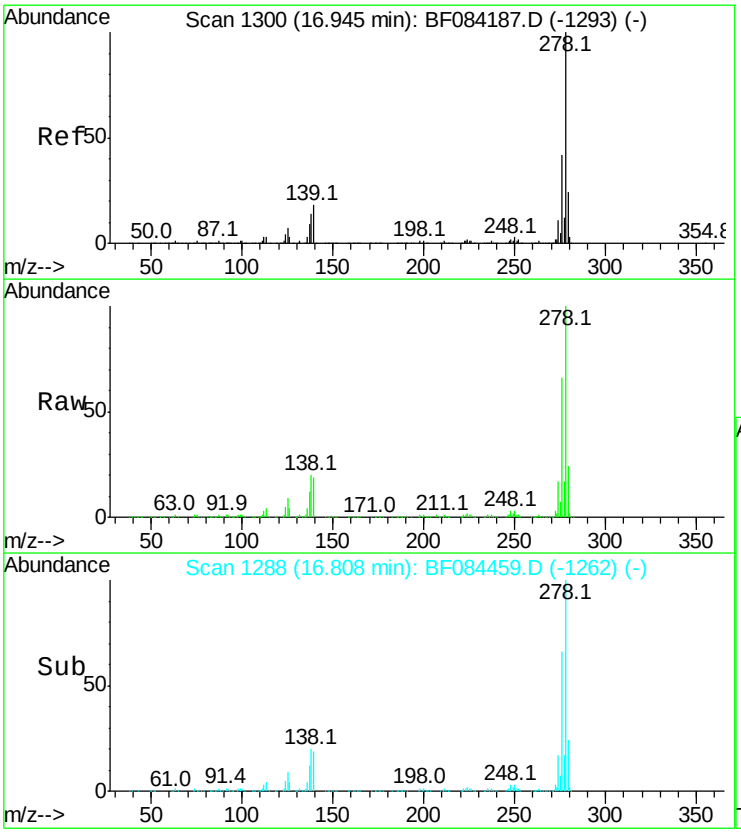

#89
Benzo(a)pyrene
Concen: 43.38 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:252 Resp: 1374748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.3 | 25.9 |
| 125 | 10.3 | 7.0 | 10.4 |

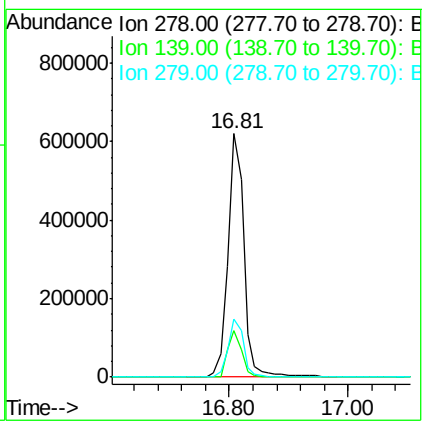


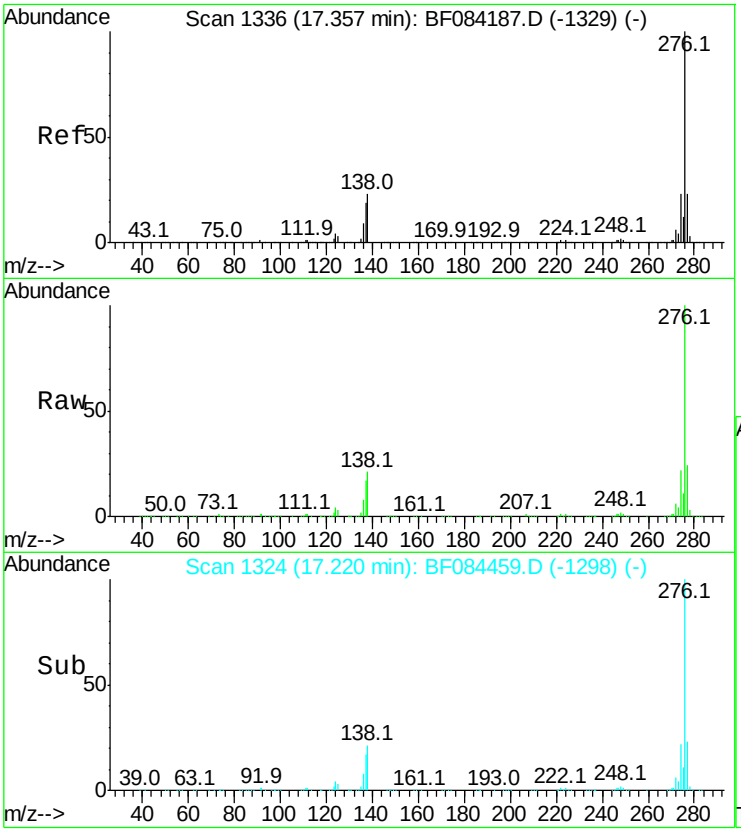




#90
Dibenzo(a,h)anthracene
Concen: 42.36 ng
RT: 16.81 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

Tgt Ion:278 Resp: 1155169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.0 | 15.0 | 22.4 |
| 279 | 23.9 | 18.9 | 28.3 |






#91
Benzo(g,h,i)perylene
Concen: 42.15 ng
RT: 17.22 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF084459.D
Acq: 13 Jan 2016 23:28

**Instrument :**
BNA_F
**ClientSampleId :**
HSR-WC-15-010516MSD

Tgt Ion:276 Resp: 1190346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.8 | 28.2 |
| 138 | 21.5 | 17.8 | 26.6 |