Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
Data File : BF108016.D
Acq On : 8 Aug 2018 13:40
Operator : JU/SJ
Sample : PB111180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB111180BL

Quant Time: Aug 08 14:55:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.01 | 152 | 302655 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 1143769 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.06 | 164 | 626108 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.56 | 188 | 1297954 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.21 | 240 | 1149661 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.77 | 264 | 991020 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 2209071 | 132.14 | ng | 0.02 |
| 7) Phenol-d6 | 6.63 | 99 | 2920849 | 131.48 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.58 | 82 | 1994730 | 97.32 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.86 | 330 | 938335 | 150.25 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 3557424 | 91.22 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.15 | 244 | 4172622 | 92.28 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.97 | 88 | 486 | 0.057 | ng | # 1 |
| 4) n-Nitrosodimethylamine | 3.63 | 42 | 347 | 0.028 | ng | # 1 |
| 6) Aniline | 6.79 | 93 | 3584 | 0.119 | ng | # 1 |
| 8) 2-Chlorophenol | 6.80 | 128 | 929 | 0.049 | ng | # 1 |
| 9) Benzaldehyde | 6.63 | 77 | 5751 | 0.334 | ng | # 1 |
| 10) Phenol | 6.64 | 94 | 279 | 0.012 | ng | # 1 |
| 11) bis(2-Chloroethyl)ether | 6.79 | 93 | 3584 | 0.193 | ng | # 1 |
| 12) 1,3-Dichlorobenzene | 7.17 | 146 | 291 | 0.013 | ng | # 1 |
| 13) 1,4-Dichlorobenzene | 7.17 | 146 | 291 | 0.013 | ng | # 1 |
| 14) 1,2-Dichlorobenzene | 7.17 | 146 | 291 | 0.014 | ng | # 1 |
| 15) Benzyl Alcohol | 7.17 | 79 | 34528 | 1.846 | ng | # 41 |
| 17) 2-Methylphenol | 7.17 | 107 | 365 | 0.023 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.58 | 70 | 281273 | 18.724 | ng | # 86 |
| 20) 3+4-Methylphenols | 7.17 | 107 | 365 | 0.018 | ng | # 1 |
| 22) Acetophenone | 7.37 | 105 | 132 | 0.005 | ng | # 1 |
| 24) Nitrobenzene | 7.58 | 77 | 7384 | 0.356 | ng | # 33 |
| 25) Isophorone | 7.58 | 82 | 1992140 | 50.991 | ng | # 64 |
| 28) bis(2-Chloroethoxy)methane | 8.30 | 93 | 304 | 0.013 | ng | # 1 |
| 45) 1,1'-Biphenyl | 9.47 | 154 | 7221 | 0.156 | ng | 84 |
| 47) 2-Nitroaniline | 9.38 | 65 | 7355 | 0.623 | ng | # 1 |
| 48) Acenaphthylene | 9.91 | 152 | 170 | 0.003 | ng | # 60 |
| 50) 2,6-Dinitrotoluene | 10.06 | 165 | 80714 | 8.846 | ng | # 26 |
| 51) Acenaphthene | 10.06 | 154 | 2899 | 0.082 | ng | # 4 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 80714 | 6.872 | ng | # 24 |
| 57) Fluorene | 10.85 | 166 | 38867 | 0.959 | ng | # 92 |
| 59) Diethylphthalate | 10.47 | 149 | 228 | 0.005 | ng | # 61 |
| 62) Azobenzene | 10.85 | 77 | 5739 | 0.132 | ng | # 1 |
| 64) 4,6-Dinitro-2-methylphenol | 10.86 | 198 | 2620 | 5.836 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 10.85 | 169 | 31390 | 0.818 | ng | # 50 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 63259 | 4.485 | ng | # 1 |
| 70) Phenanthrene | 11.58 | 178 | 636 | 0.010 | ng | # 59 |
| 71) Anthracene | 11.58 | 178 | 636 | 0.010 | ng | # 60 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 1066 | 0.017 | ng | # 78 |
| 76) Benzidine | 13.15 | 184 | 66687 | 1.553 | ng | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
Data File : BF108016.D
Acq On : 8 Aug 2018 13:40
Operator : JU/SJ
Sample : PB111180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB111180BL

Quant Time: Aug 08 14:55:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 77) Pyrene | 13.15 | 202 | 15469 | 0.213 | ng | # | 68 |
| 80) Benzo(a)anthracene | 14.21 | 228 | 3196 | 0.048 | ng | # | 65 |
| 82) Chrysene | 14.21 | 228 | 3196 | 0.053 | ng | # | 63 |
| 83) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 470 | 0.012 | ng | # | 53 |
| 84) Di-n-octyl phthalate | 14.92 | 149 | 120 | 0.002 | ng | # | 1 |
| 89) Benzo(a)pyrene | 15.77 | 252 | 3382 | 0.064 | ng | # | 66 |

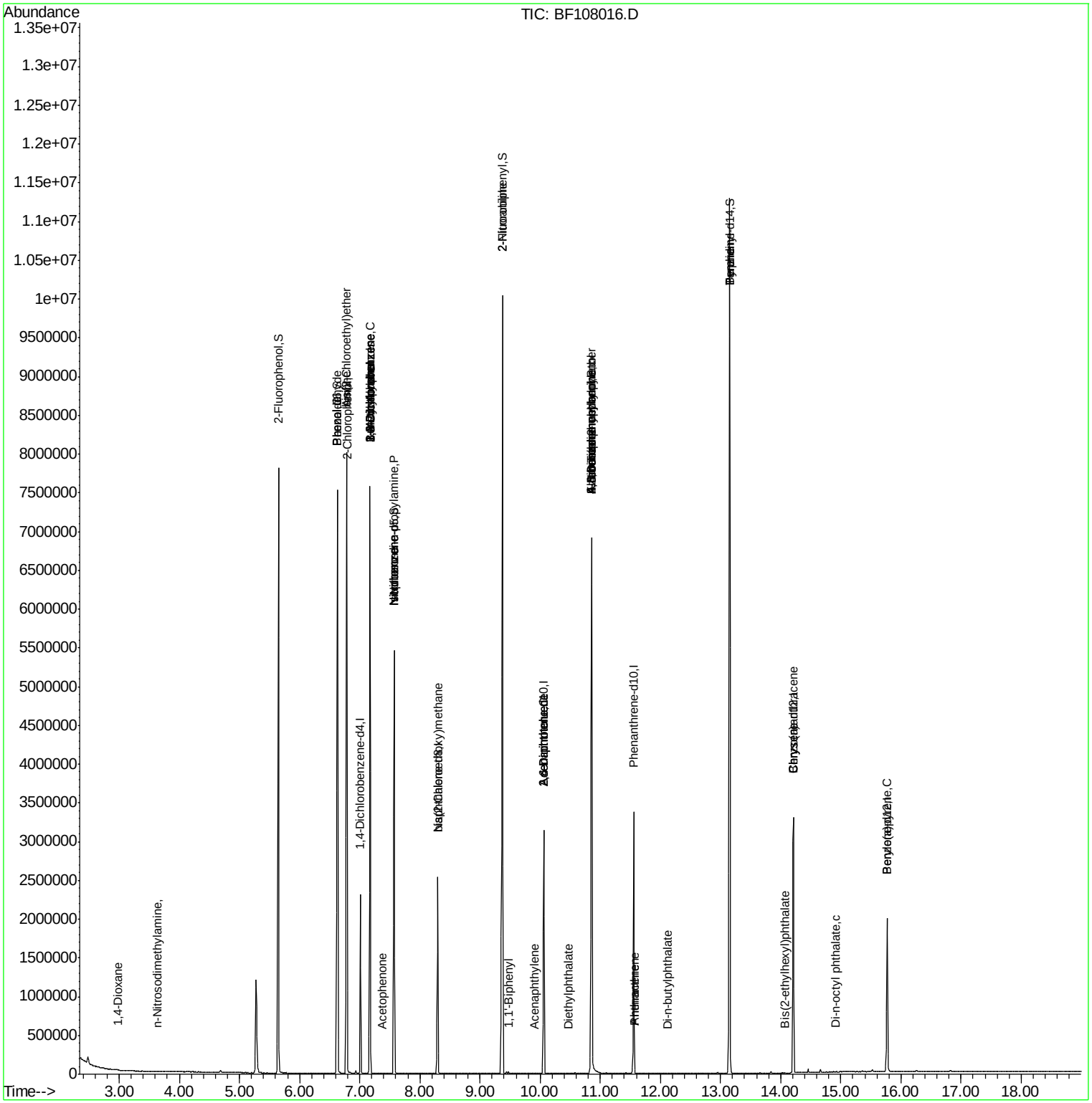
(#) = qualifier out of range (m) = manual integration (+) = signals summed

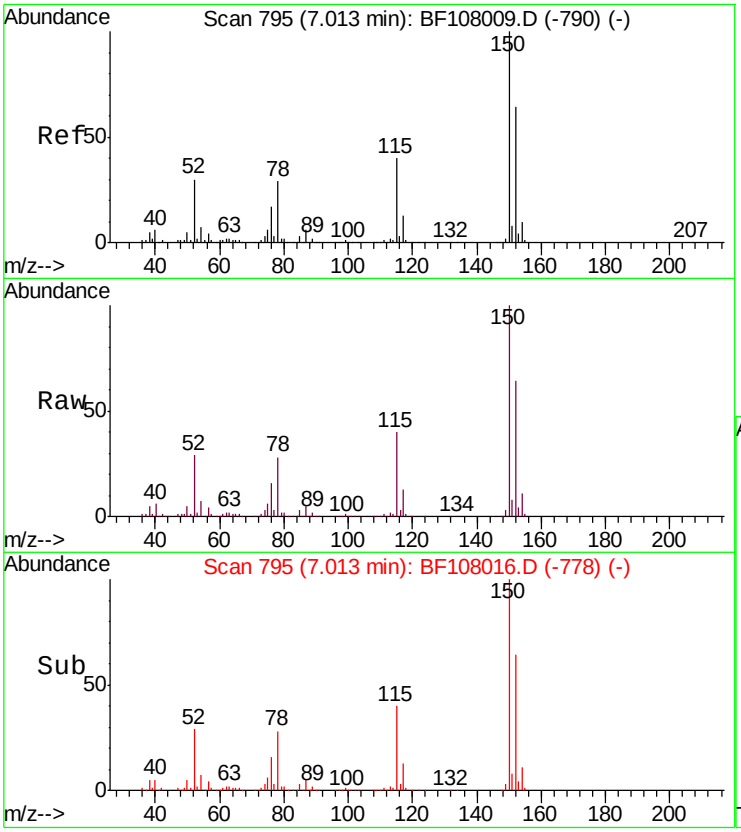
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
Data File : BF108016.D
Acq On : 8 Aug 2018 13:40
Operator : JU/SJ
Sample : PB111180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Quant Time: Aug 08 14:55:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration



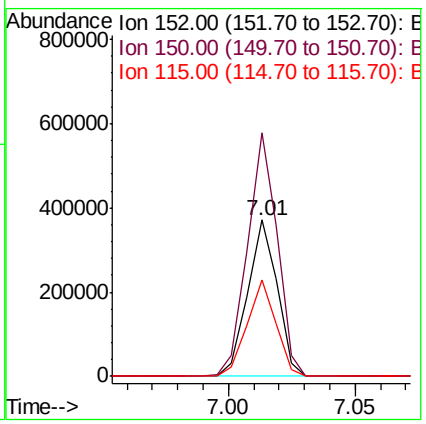


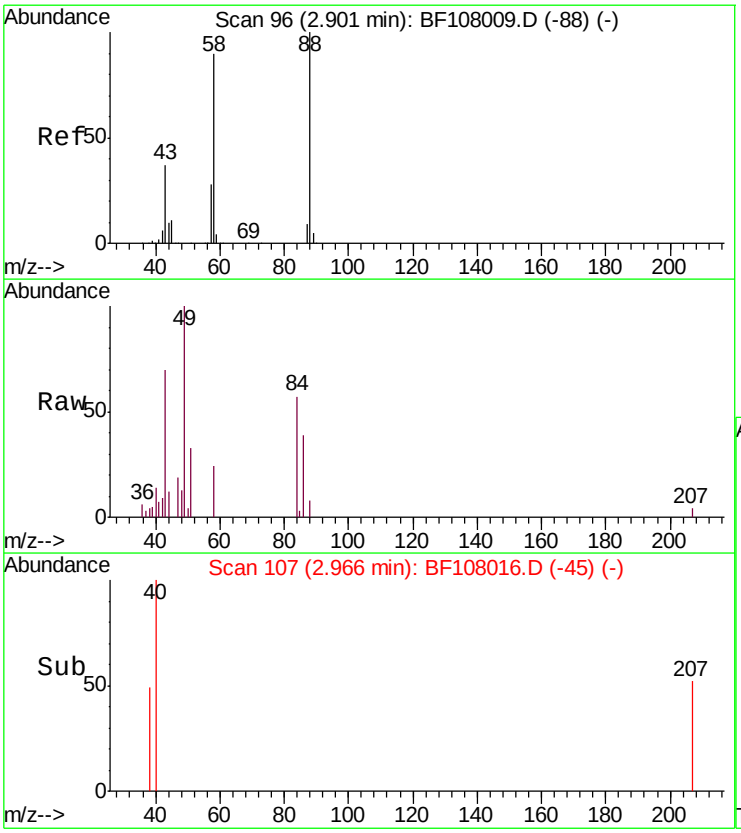

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:152 Resp: 302655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 124.6 | 186.8 |
| 115 | 61.5 | 50.1 | 75.1 |

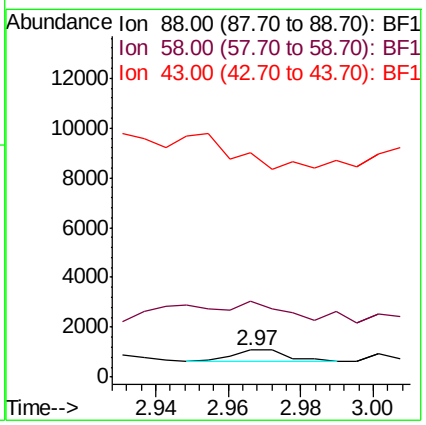


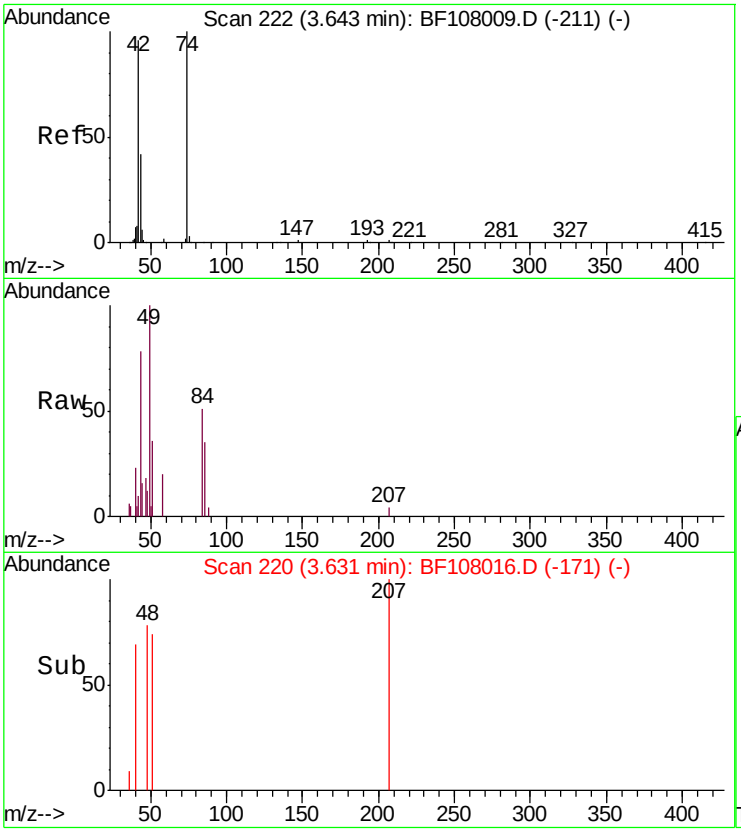




#2
1,4-Dioxane
Concen: 0.057 ng
RT: 2.97 min Scan# 107
Delta R.T. 0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 88 Resp: 486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 196.1 | 62.6 | 93.8# |
| 43 | 0.0 | 24.6 | 37.0# |



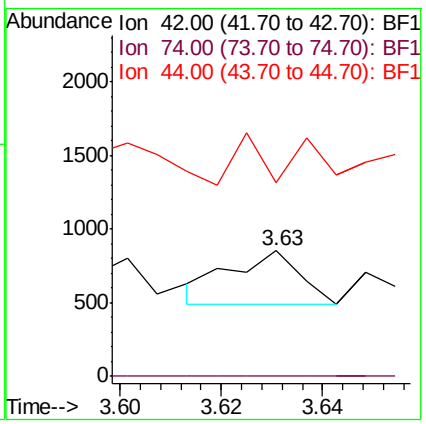


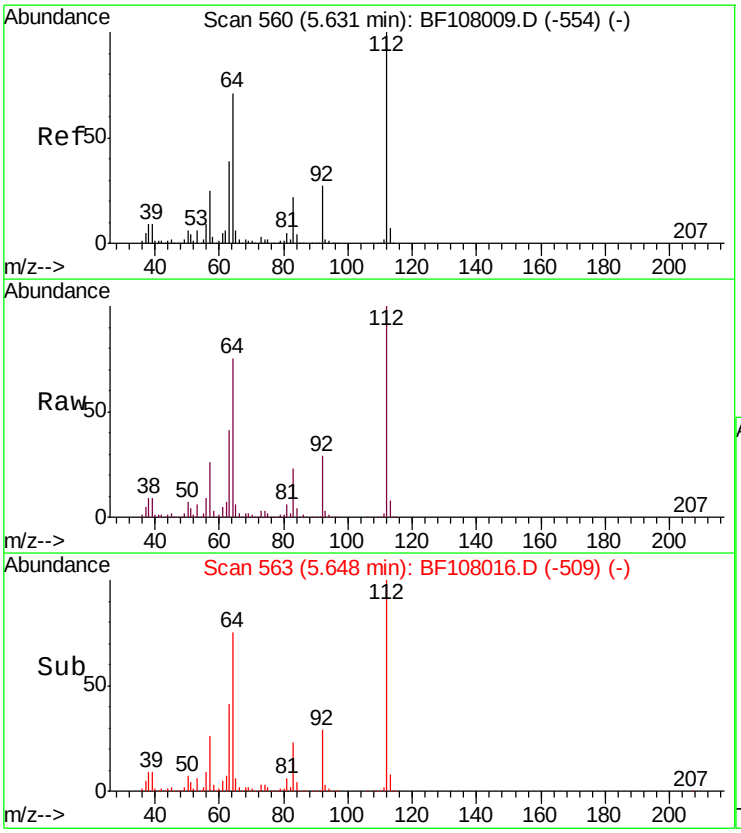

#4
n-Nitrosodimethylamine
Concen: 0.028 ng
RT: 3.63 min Scan# 220
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 42 Resp: 347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 104.9 | 157.3# |
| 44 | 154.1 | 6.9 | 10.3# |

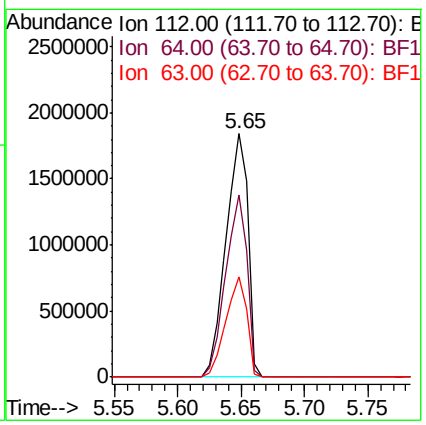


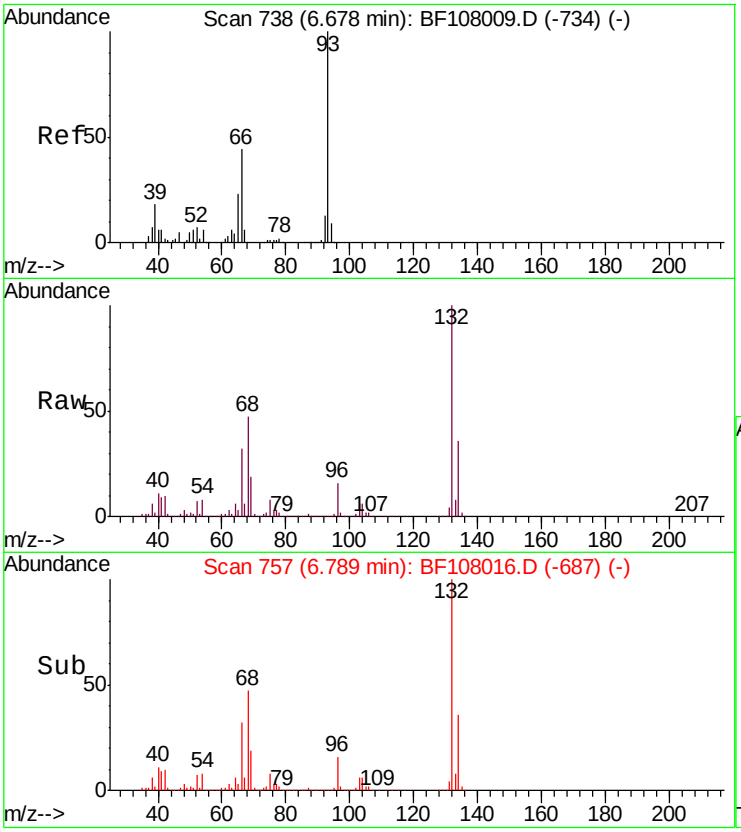




#5
2-Fluorophenol
Concen: 132.145 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:112 Resp: 2209071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 74.6 | 47.9 | 71.9# |
| 63 | 41.2 | 23.7 | 35.5# |



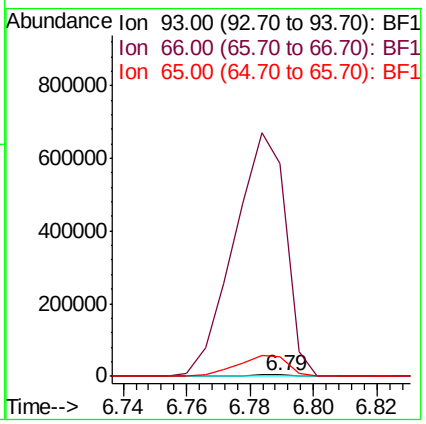


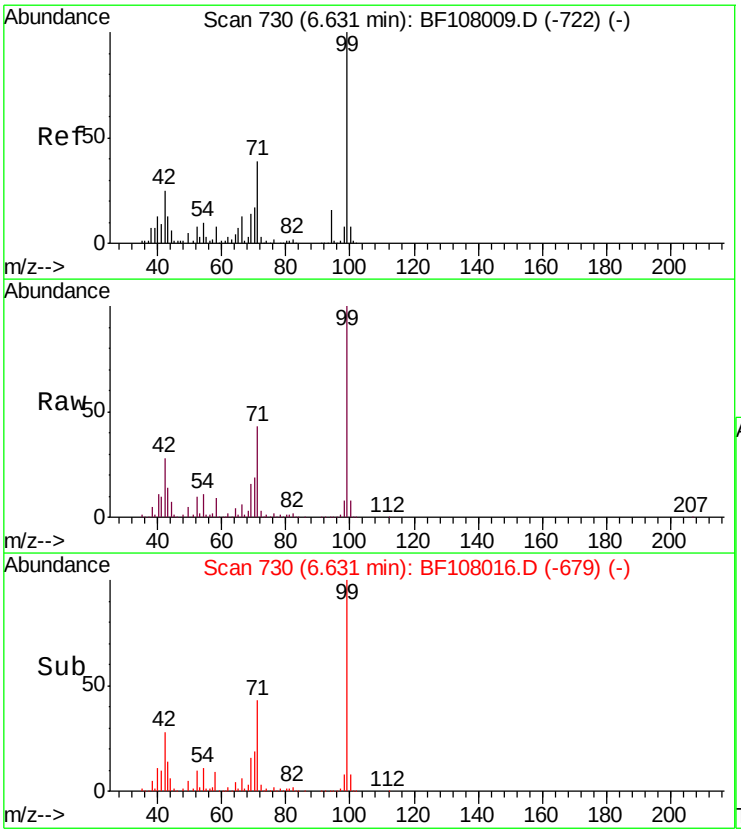

#6
Aniline
Concen: 0.119 ng
RT: 6.79 min Scan# 757
Delta R.T. 0.11 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 93 Resp: 3584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 17014.7 | 32.2 | 48.2# |
| 65 | 1597.4 | 16.4 | 24.6# |

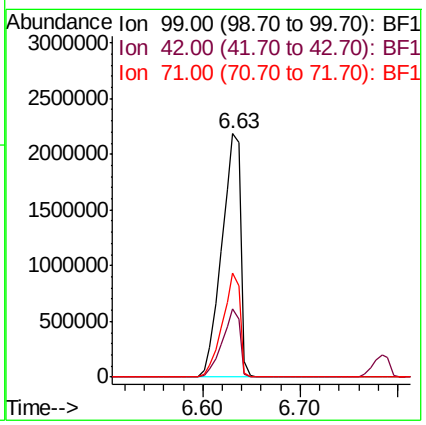


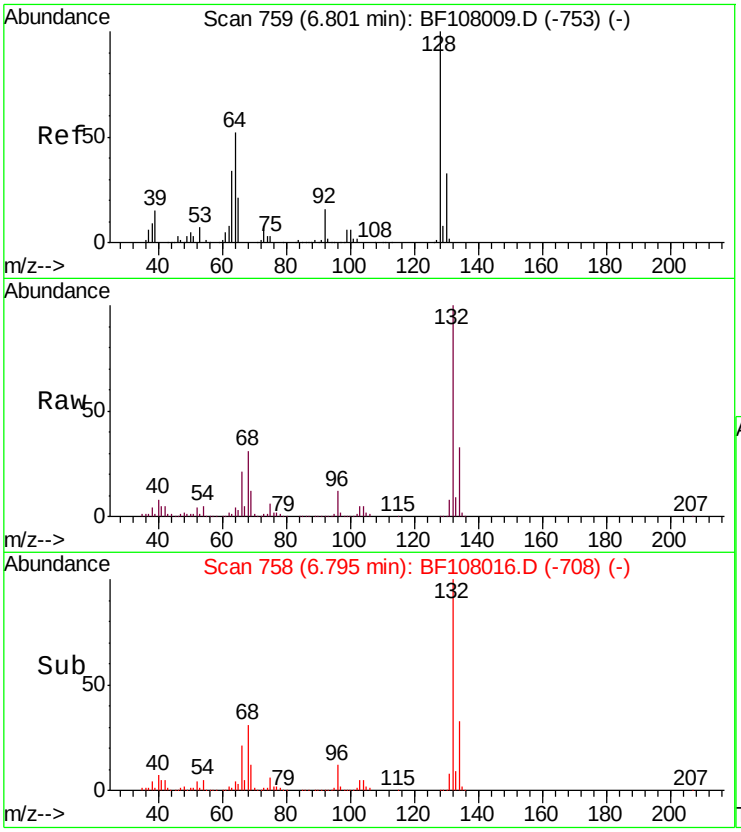




#7
Phenol-d6
Concen: 131.483 ng
RT: 6.63 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 99 Resp: 2920849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.8 | 14.5 | 21.7# |
| 71 | 42.7 | 25.4 | 38.0# |



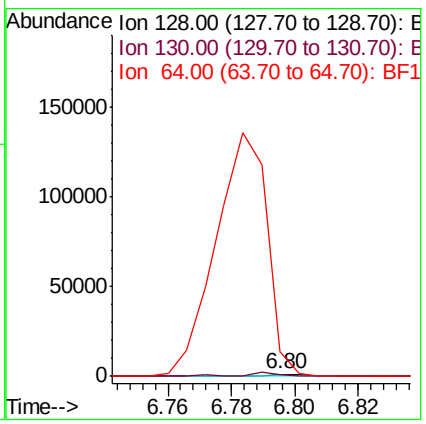


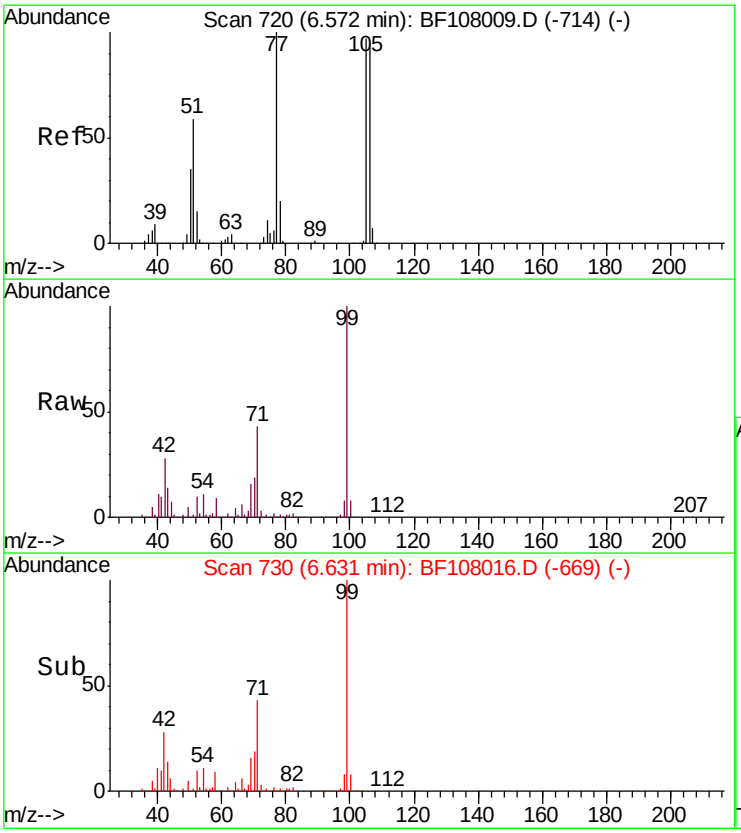

#8
2-Chlorophenol
Concen: 0.049 ng
RT: 6.80 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:128 Resp: 929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 111.0 | 13.0 | 53.0# |
| 64 | 1391.4 | 29.4 | 69.4# |

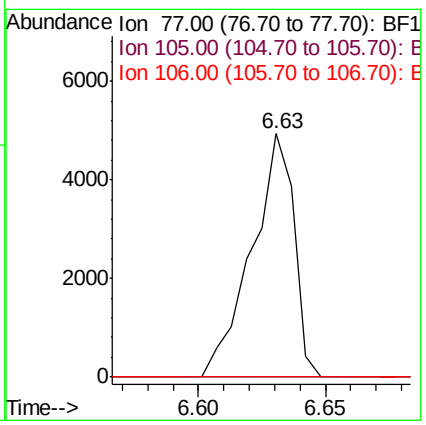


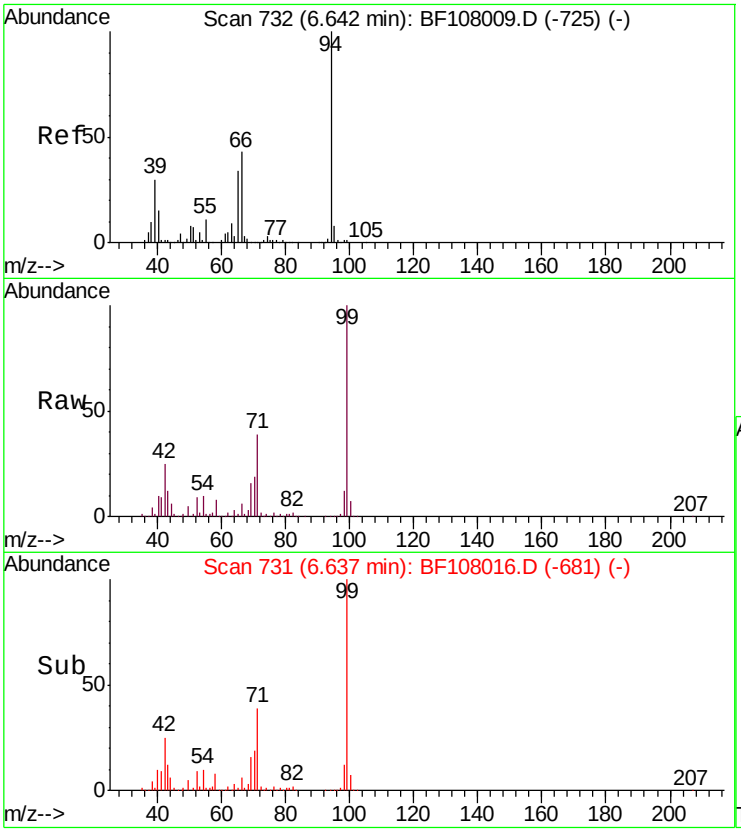




#9
Benzaldehyde
Concen: 0.334 ng
RT: 6.63 min Scan# 730
Delta R.T. 0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 77 Resp: 5751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 81.1 | 121.1# |
| 106 | 0.0 | 74.5 | 114.5# |



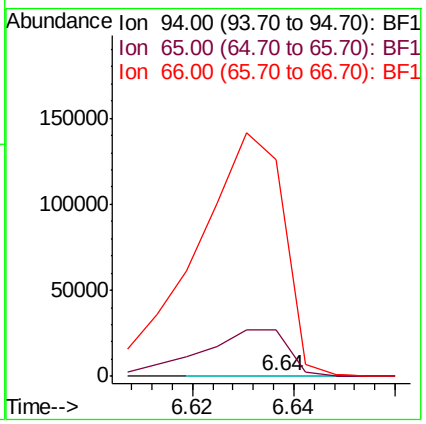


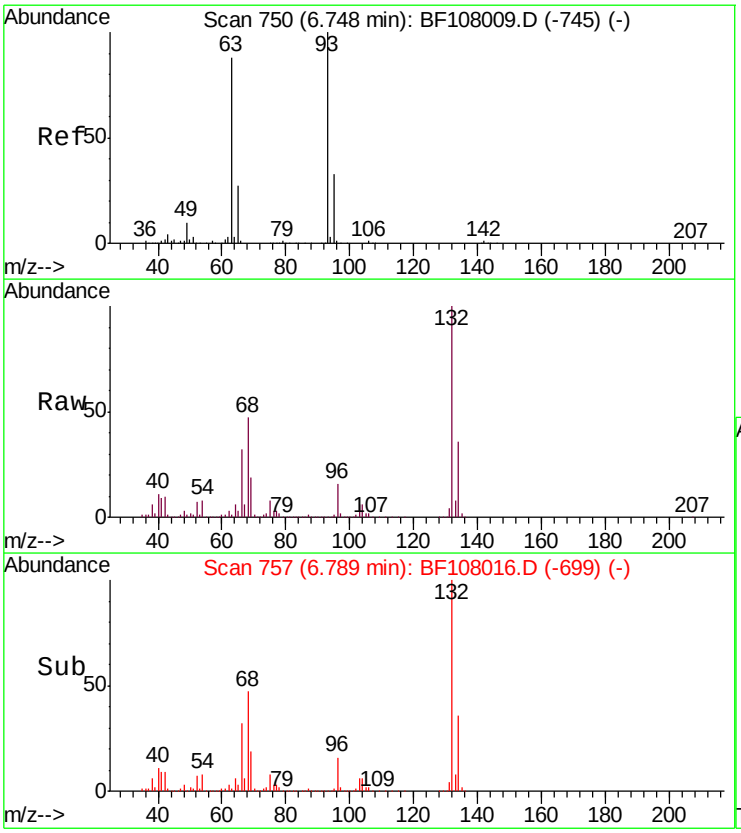

#10
Phenol
Concen: 0.012 ng
RT: 6.64 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 94 Resp: 279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 6075.6 | 7.9 | 47.9# |
| 66 | 28732.6 | 16.2 | 56.2# |

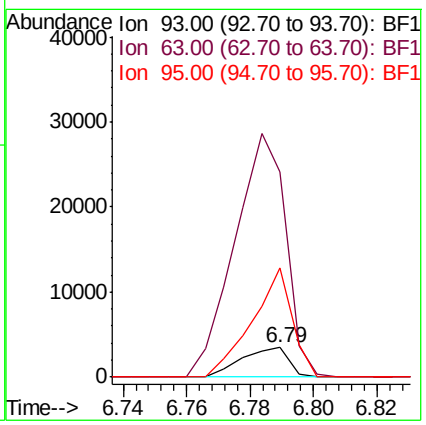


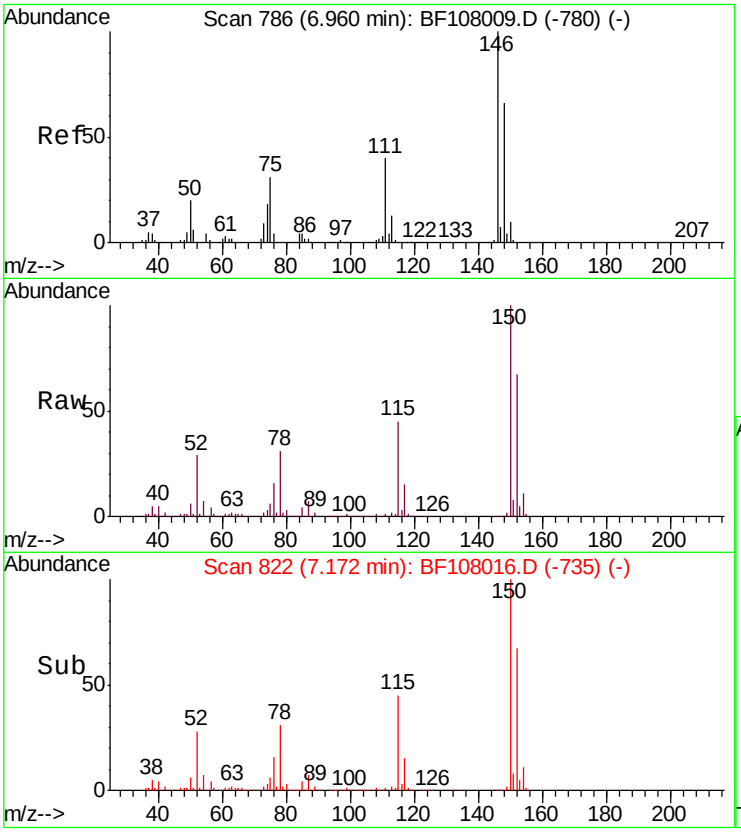




#11
bis(2-Chloroethyl)ether
Concen: 0.193 ng
RT: 6.79 min Scan# 757
Delta R.T. 0.04 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 93 Resp: 3584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 698.6 | 58.6 | 98.6# |
| 95 | 370.8 | 11.8 | 51.8# |



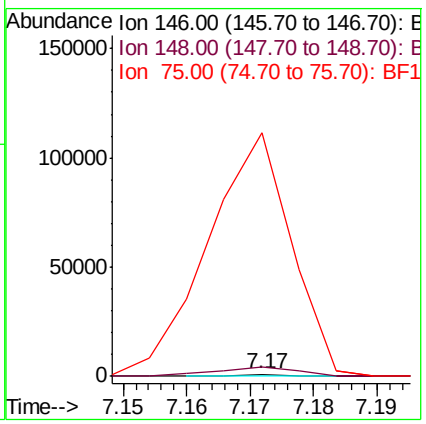


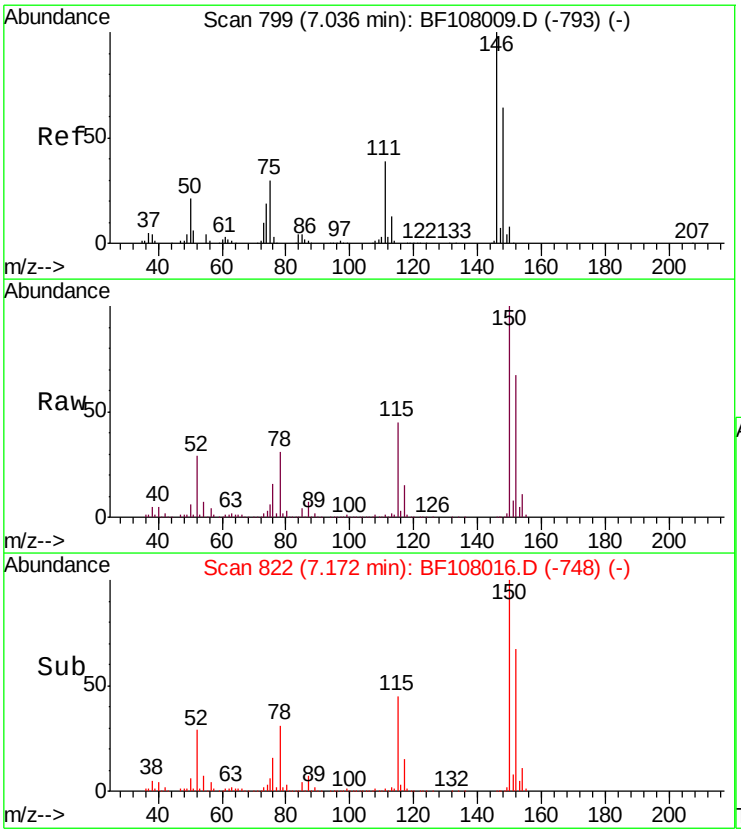

#12
1,3-Dichlorobenzene
Concen: 0.013 ng
RT: 7.17 min Scan# 822
Delta R.T. 0.21 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:146 Resp: 291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 505.3 | 51.8 | 77.8# |
| 75 | 13511.8 | 24.2 | 36.4# |

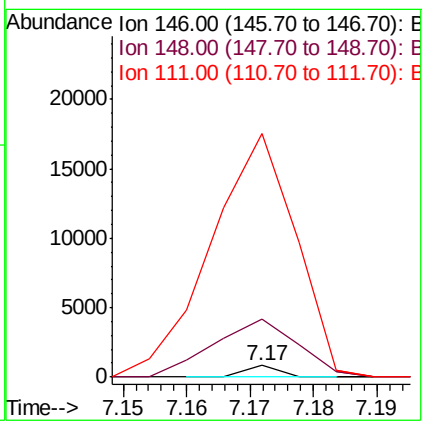


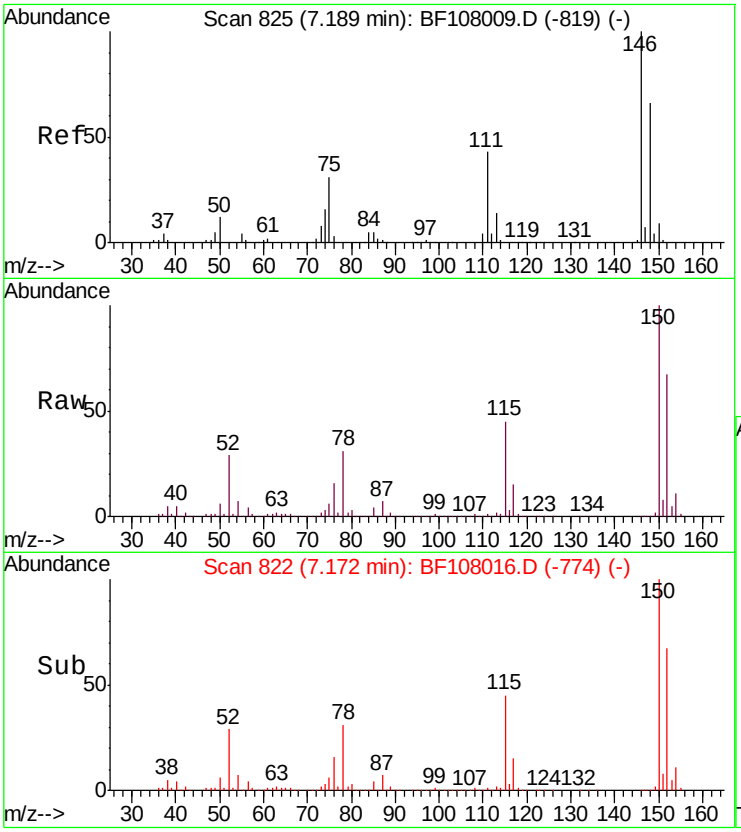




#13
1,4-Dichlorobenzene
Concen: 0.013 ng
RT: 7.17 min Scan# 822
Delta R.T. 0.14 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:146 Resp: 291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 505.3 | 50.8 | 76.2# |
| 111 | 2125.6 | 34.2 | 51.2# |



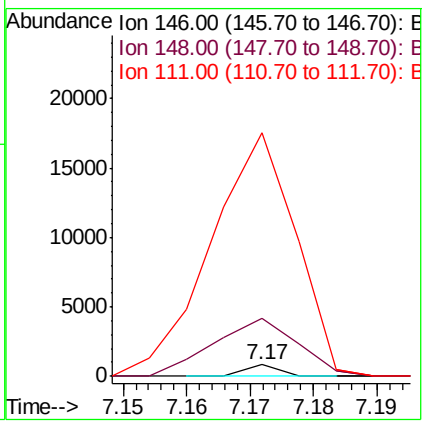


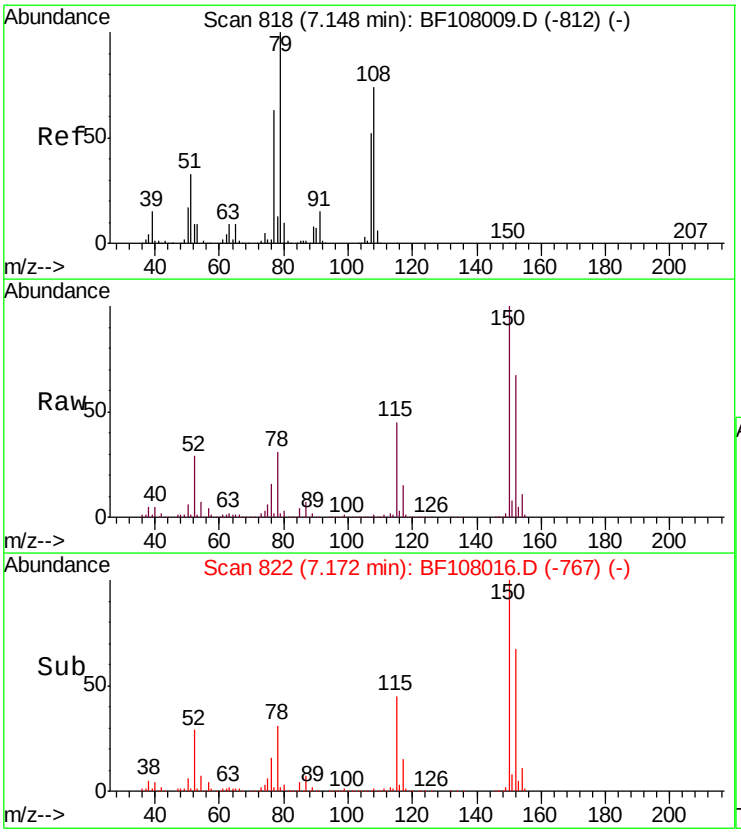

#14
1,2-Dichlorobenzene
Concen: 0.014 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.02 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:146 Resp: 291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 505.3 | 50.6 | 75.8# |
| 111 | 2125.6 | 36.0 | 54.0# |

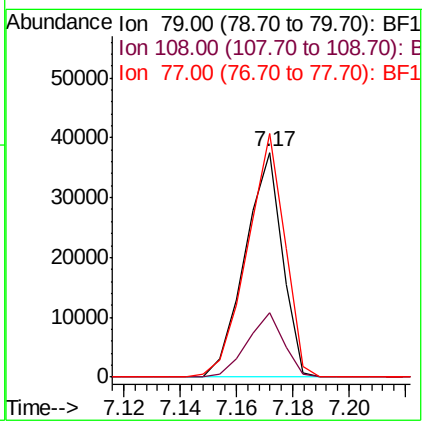


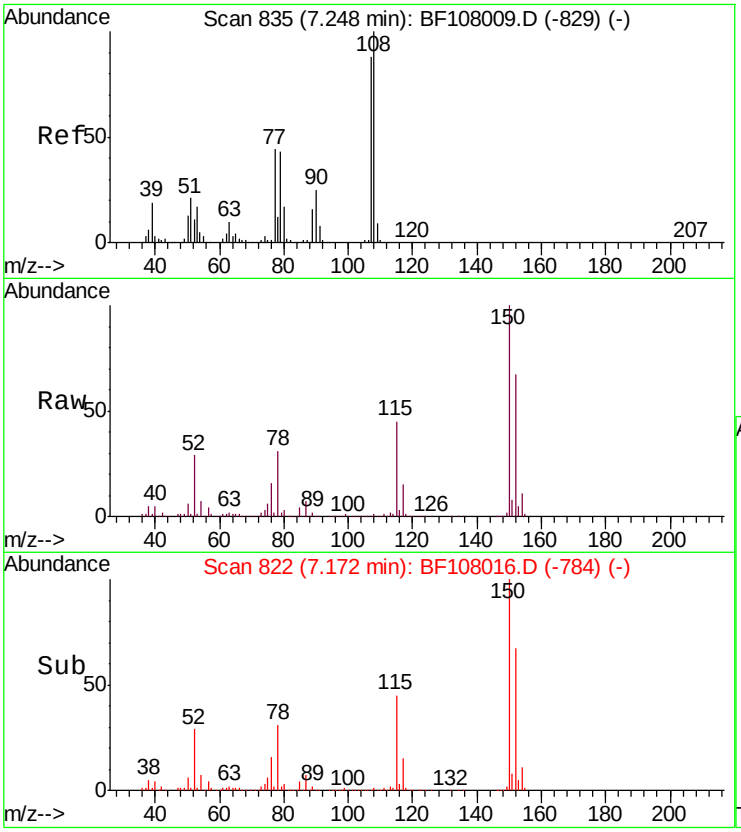




#15
Benzyl Alcohol
Concen: 1.846 ng
RT: 7.17 min Scan# 822
Delta R.T. 0.02 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 79 Resp: 34528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 28.7 | 65.1 | 97.7# |
| 77 | 108.4 | 50.6 | 75.8# |



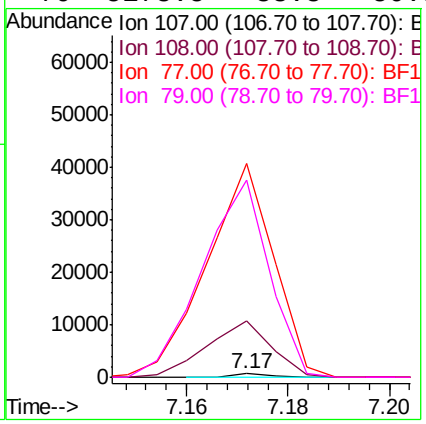


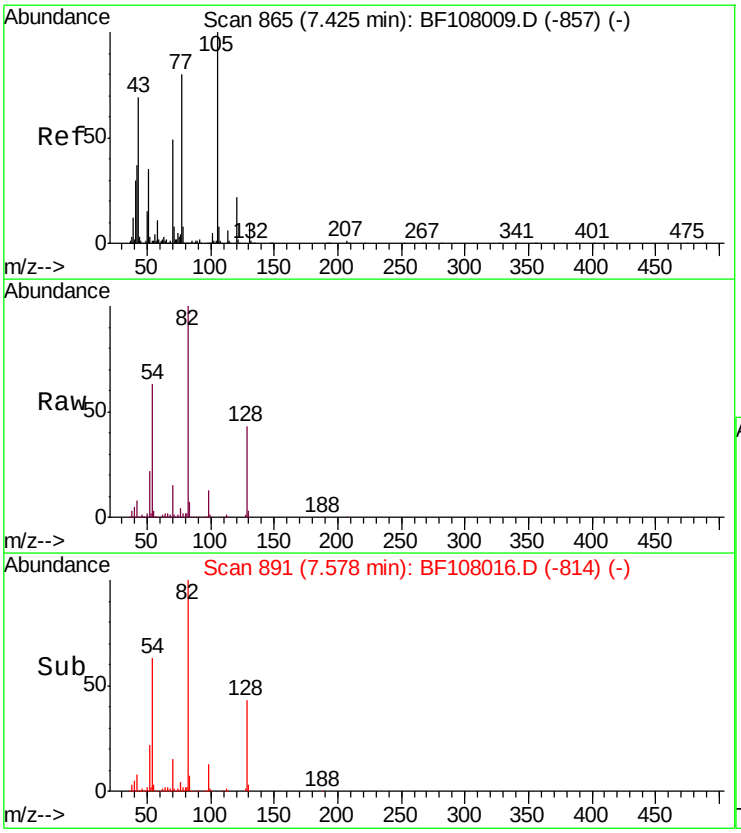

#17
2-Methylphenol
Concen: 0.023 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.08 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:107 Resp: 365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 1486.1 | 91.7 | 137.5# |
| 77 | 5613.2 | 33.8 | 50.8# |
| 79 | 5178.5 | 33.8 | 50.8# |

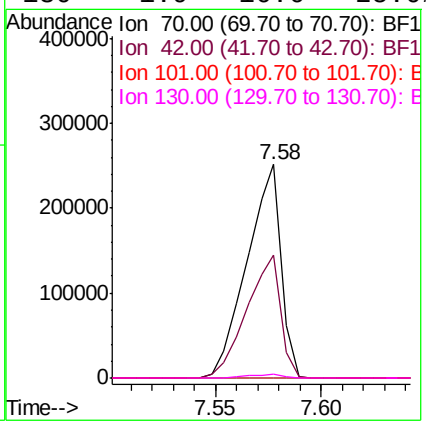


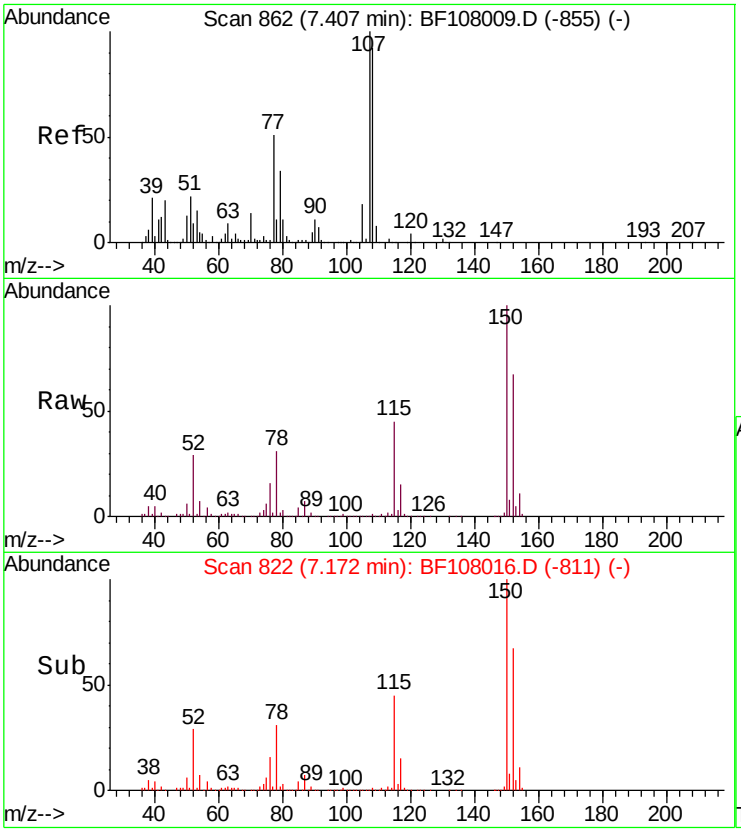




#19
n-Nitroso-di-n-propylamine
Concen: 18.724 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 70 Resp: 281273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.3 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 16.6 | 25.0# |



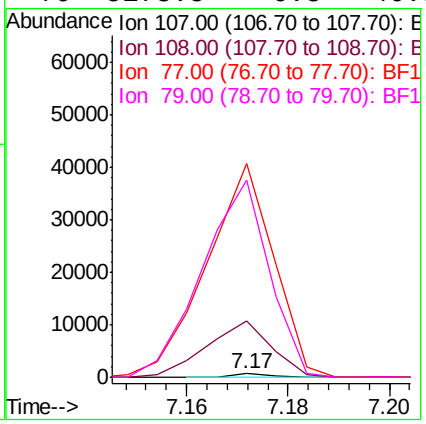


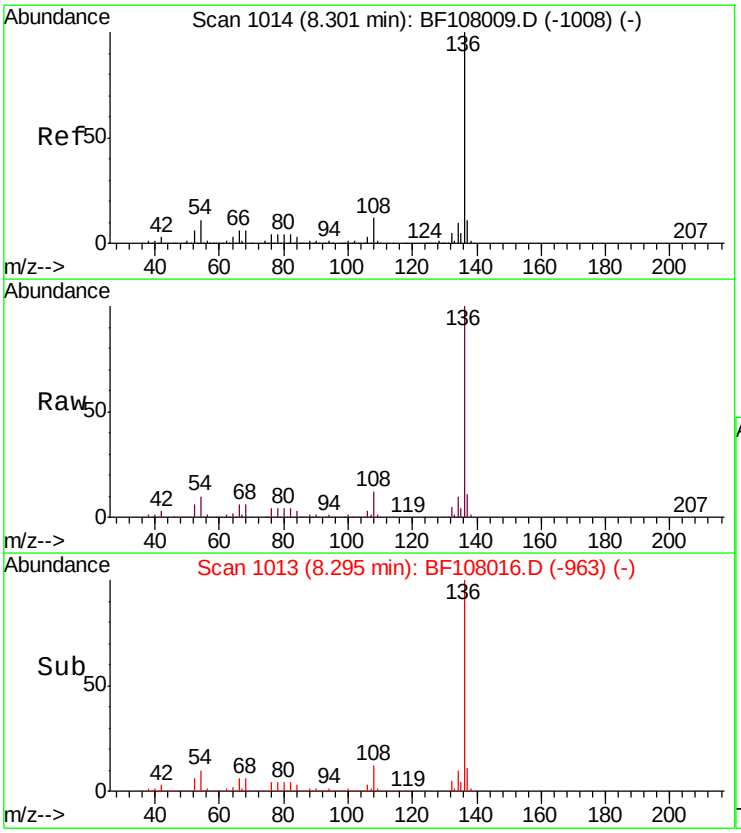

#20
3+4-Methylphenols
Concen: 0.018 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.24 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:107 Resp: 365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 1486.1 | 68.2 | 108.2# |
| 77 | 5613.2 | 26.7 | 66.7# |
| 79 | 5178.5 | 6.3 | 46.3# |

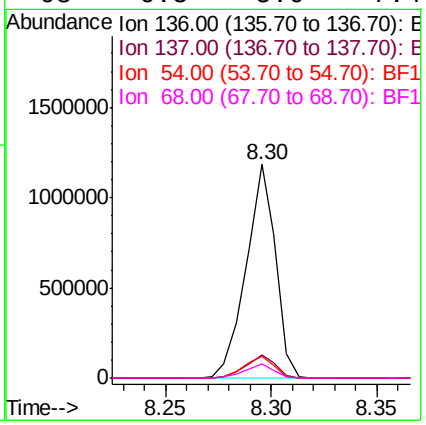


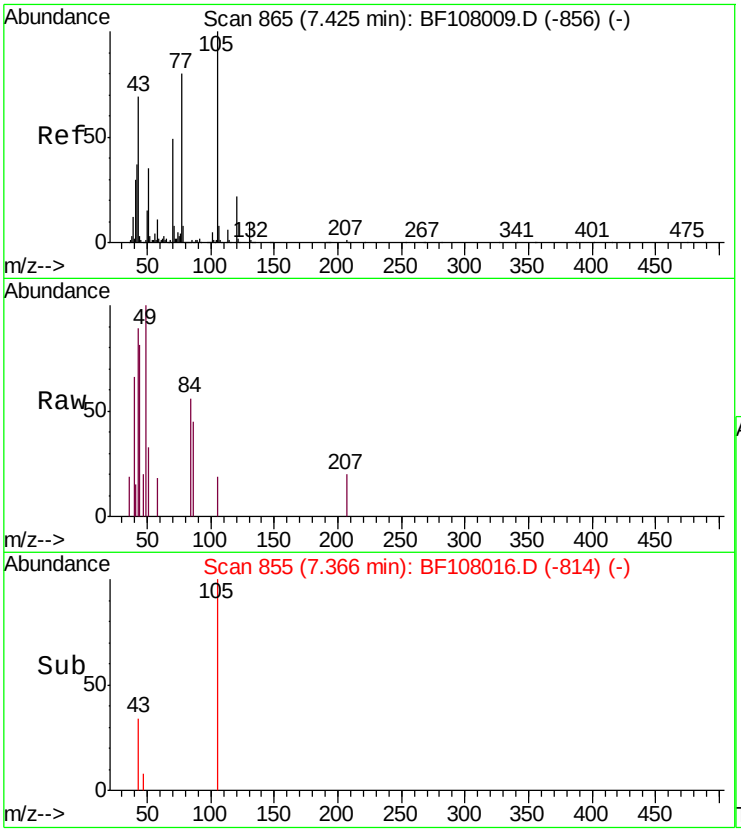




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:136 Resp: 1143769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.4 | 6.6 | 9.8# |
| 68 | 6.5 | 5.0 | 7.4 |



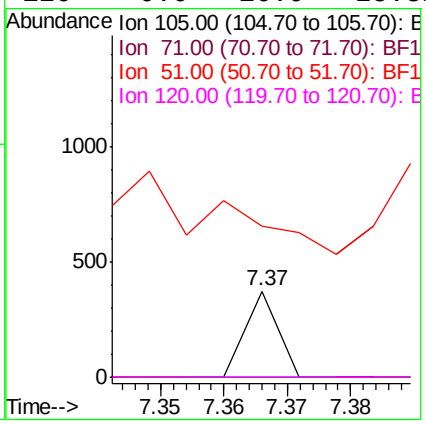


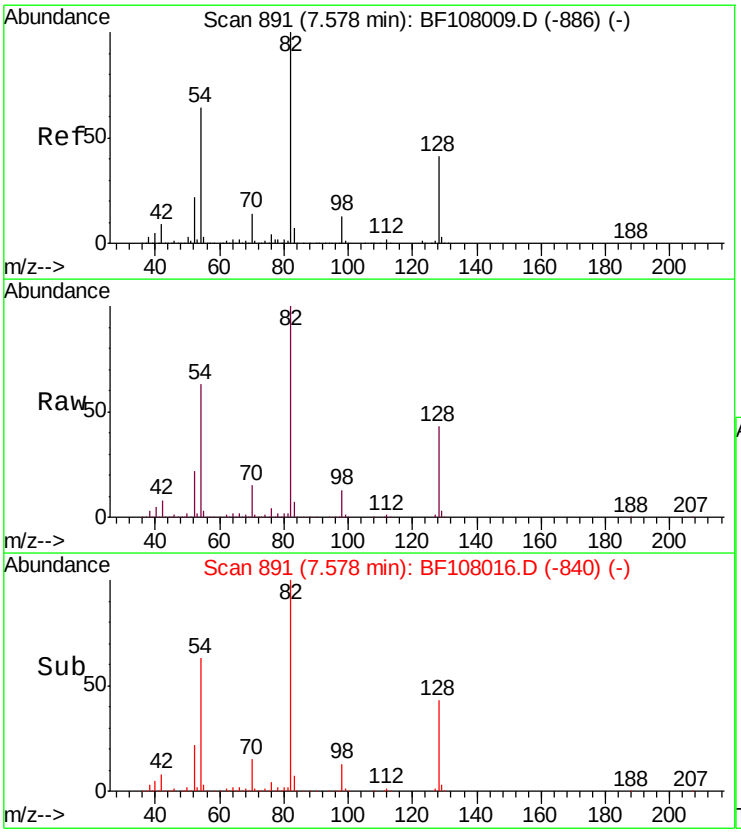

#22
Acetophenone
Concen: 0.005 ng
RT: 7.37 min Scan# 855
Delta R.T. -0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :** BNA_F
**ClientSampleId :** PB111180BL

Tgt Ion:105 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 0.0 | 4.4 | 6.6# |
| 51 | 174.6 | 22.3 | 33.5# |
| 120 | 0.0 | 16.9 | 25.3# |

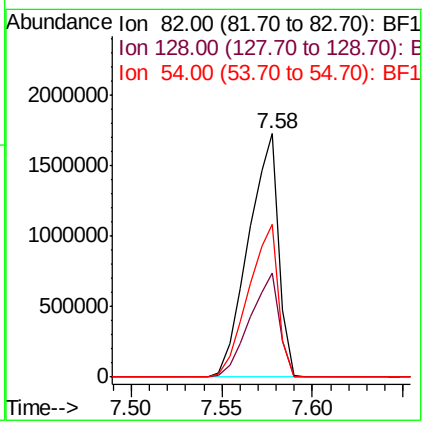


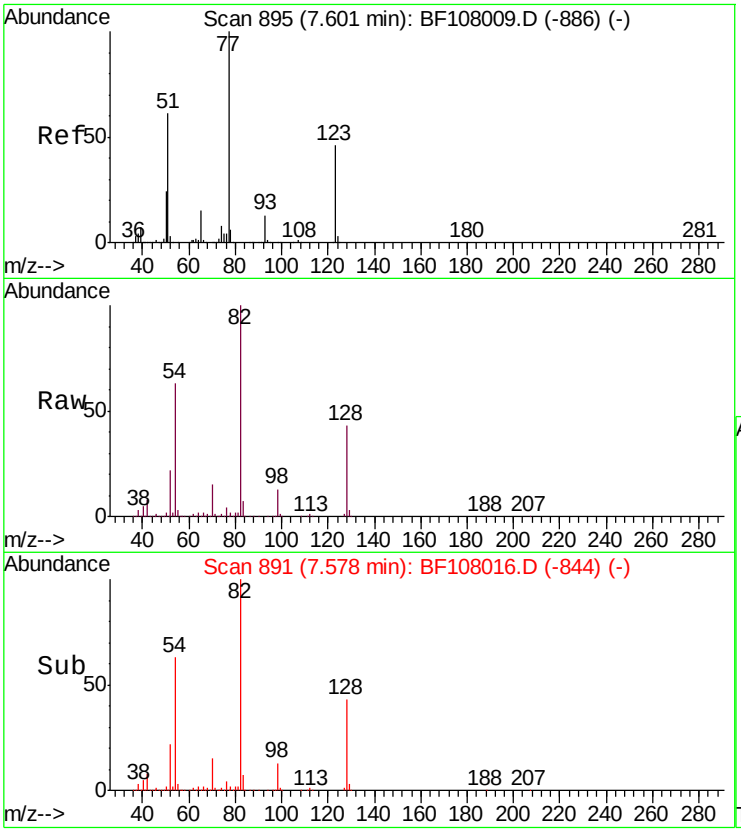




#23
Nitrobenzene-d5
Concen: 97.318 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 82 Resp: 1994730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.8 | 36.1 | 54.1 |
| 54 | 62.8 | 41.4 | 62.2# |



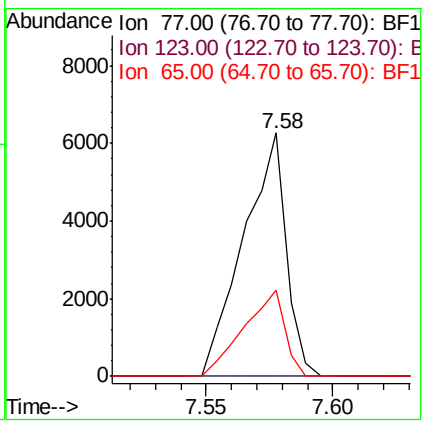


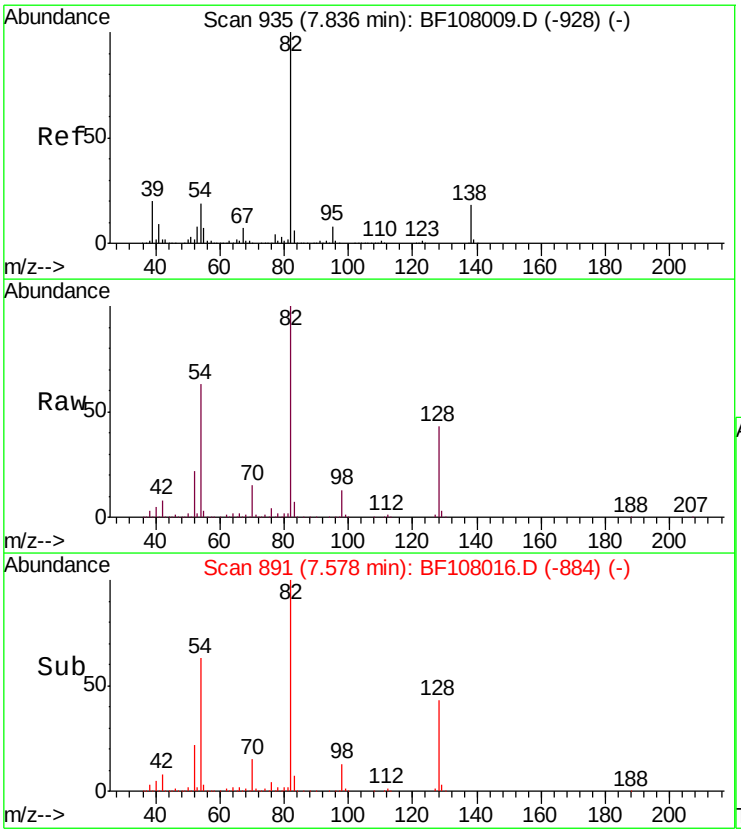

#24
Nitrobenzene
Concen: 0.356 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 77 Resp: 7384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 37.9 | 56.9# |
| 65 | 35.4 | 11.0 | 16.4# |

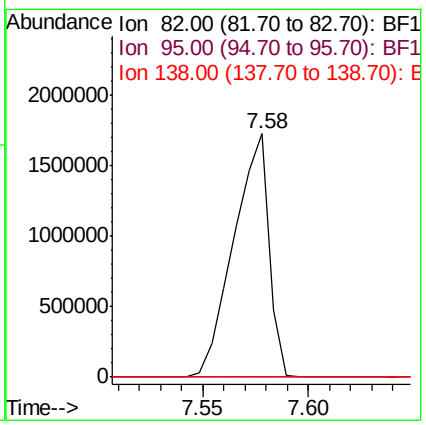


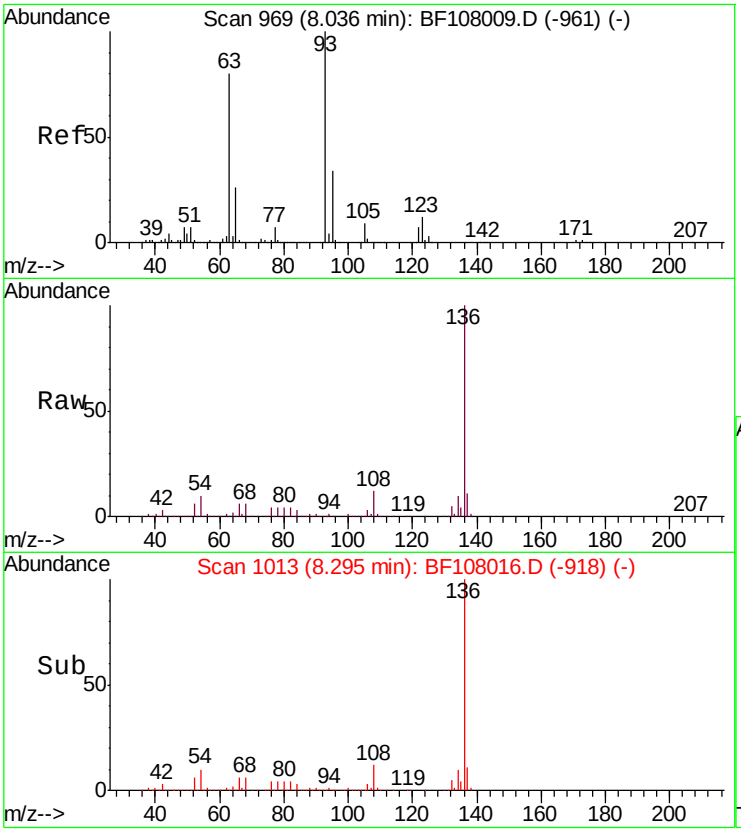




#25
Isophorone
Concen: 50.991 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 82 Resp: 1992140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |



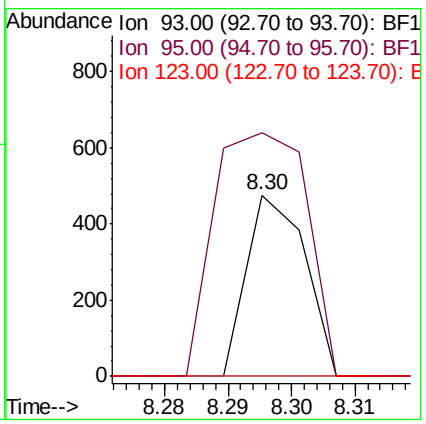


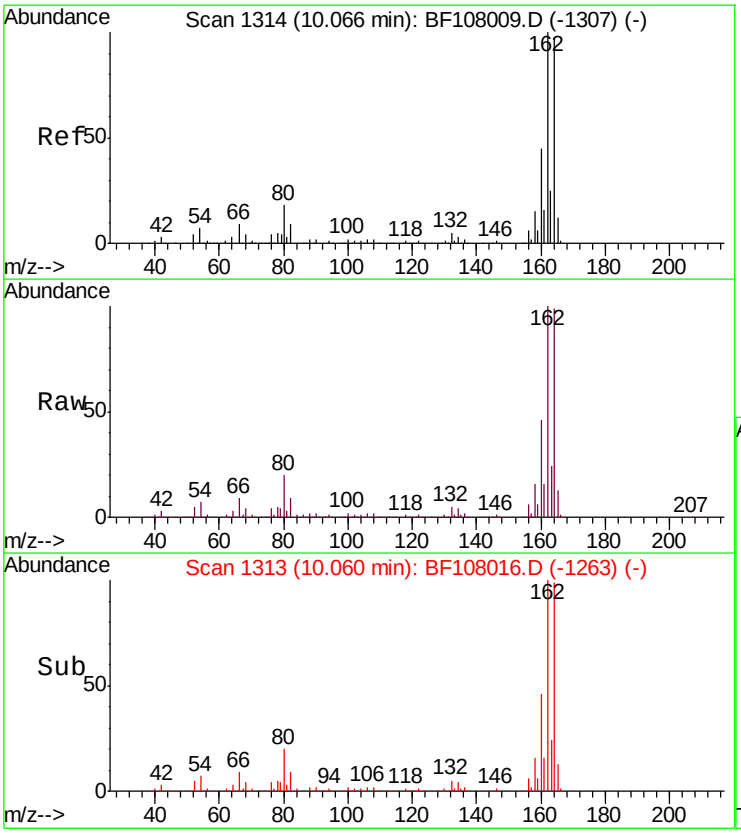

#28
bis(2-Chloroethoxy)methane
Concen: 0.013 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.26 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 93 Resp: 304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 134.2 | 26.3 | 39.5# |
| 123 | 0.0 | 9.8 | 14.6# |

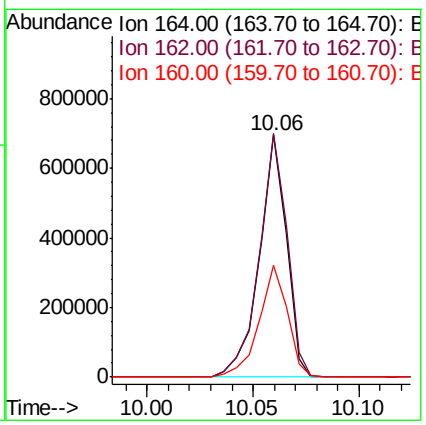


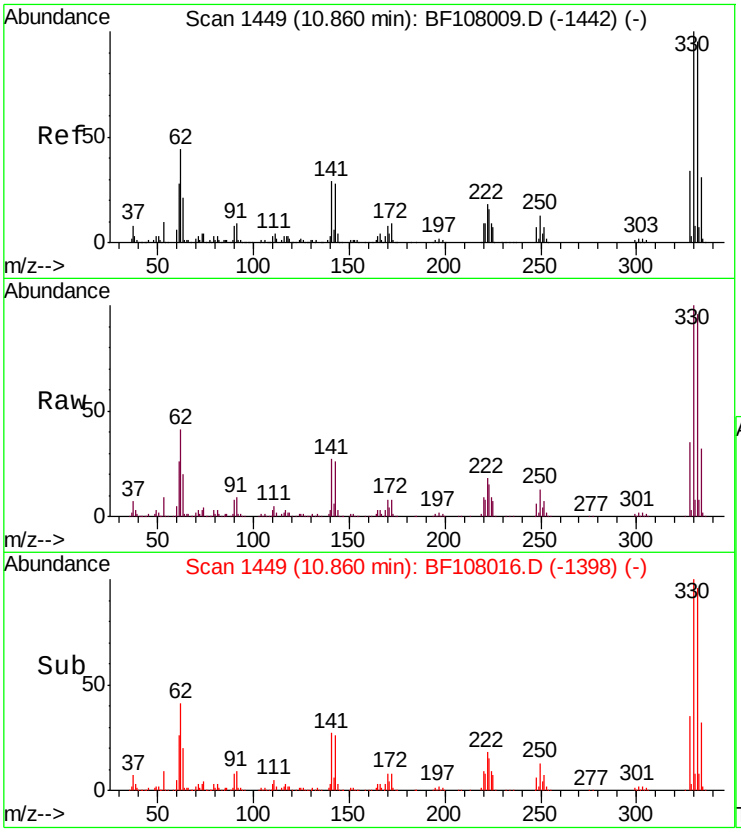




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:164 Resp: 626108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 86.1 | 129.1 |
| 160 | 46.3 | 38.3 | 57.5 |



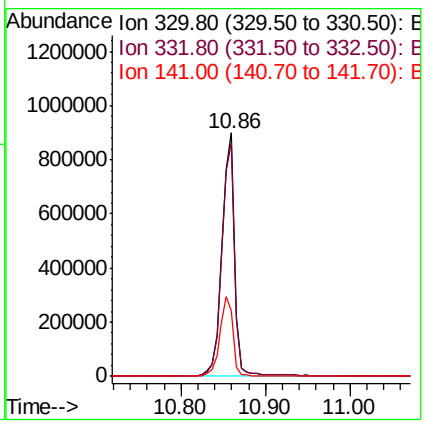


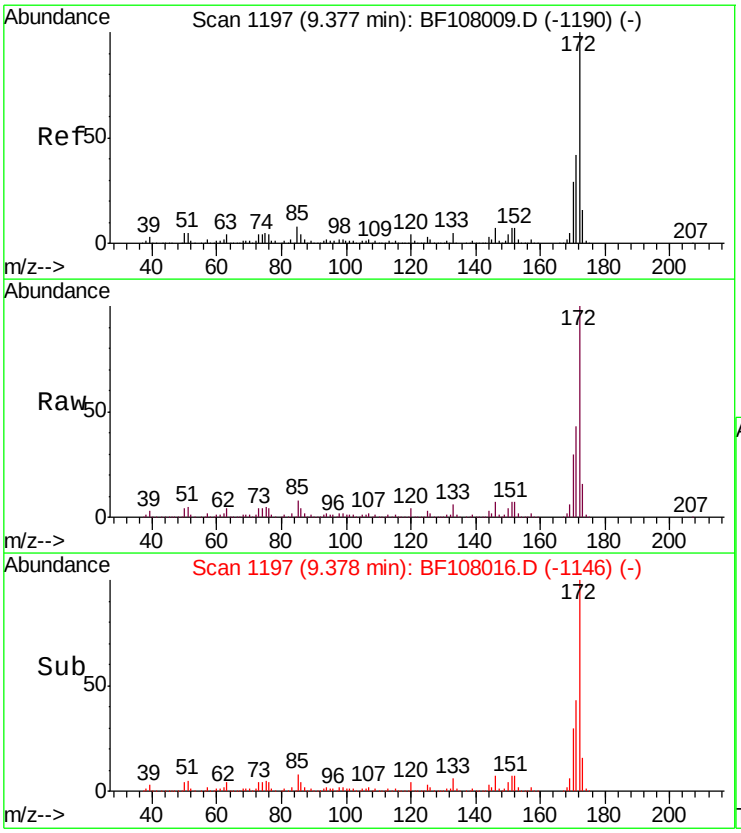

#41
2,4,6-Tribromophenol
Concen: 150.247 ng
RT: 10.86 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:330 Resp: 938335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.0 | 115.6 |
| 141 | 34.9 | 29.9 | 44.9 |

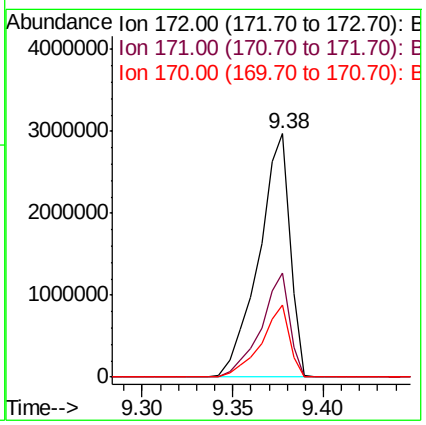


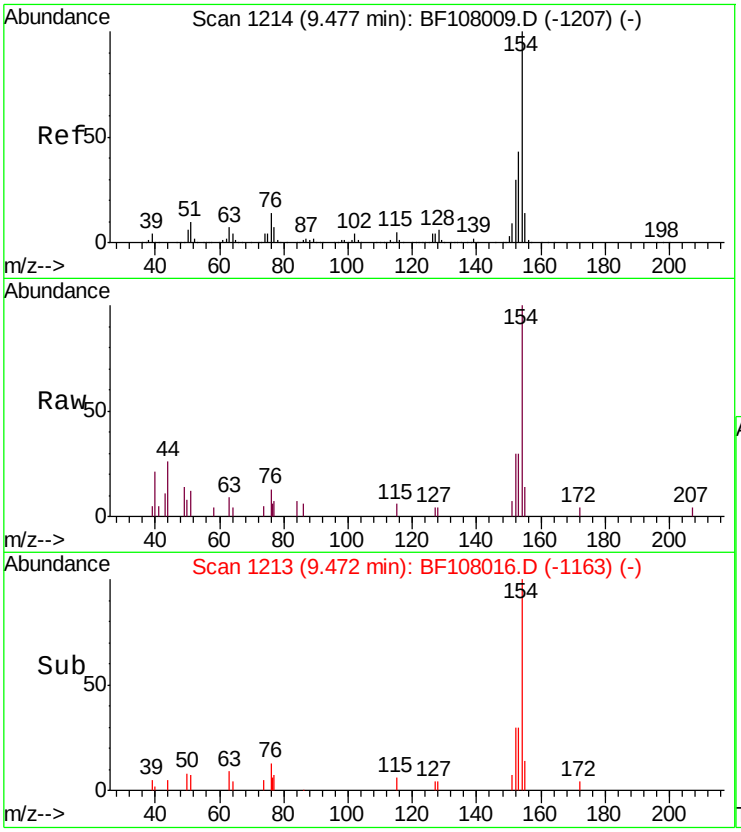




#44
2-Fluorobiphenyl
Concen: 91.220 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:172 Resp: 3557424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 42.9 | 29.7 | 44.5 |
| 170 | 29.7 | 19.6 | 29.4# |



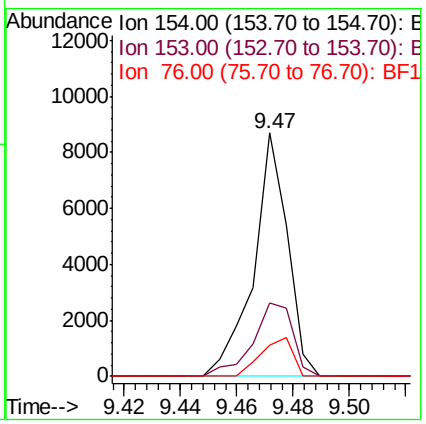


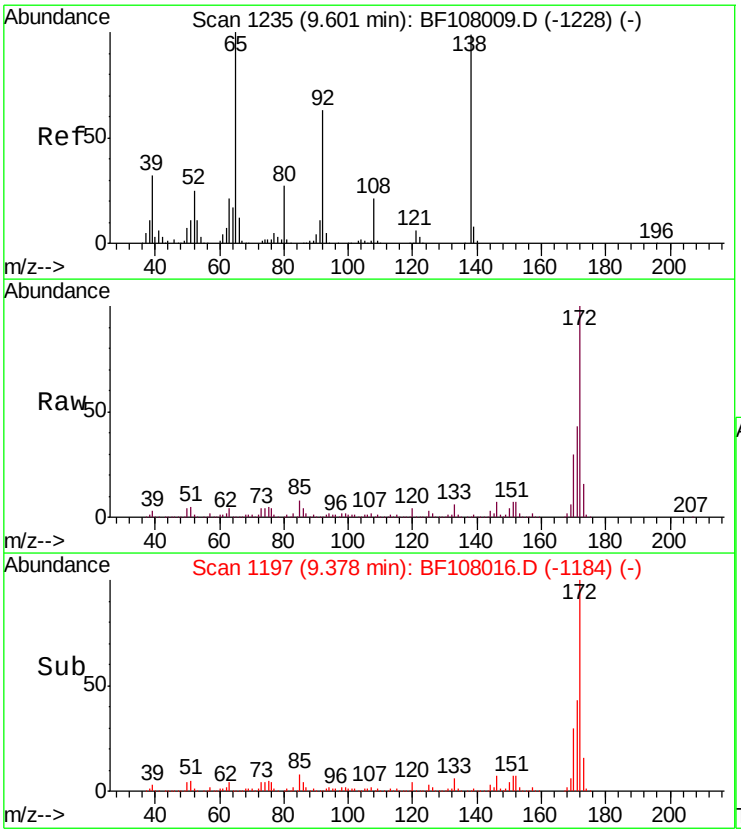

#45
1,1'-Biphenyl
Concen: 0.156 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:154 Resp: 7221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 30.3 | 21.3 | 61.3 |
| 76 | 18.2 | 0.0 | 34.0 |

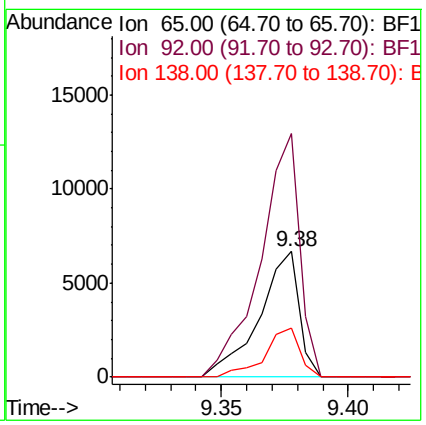


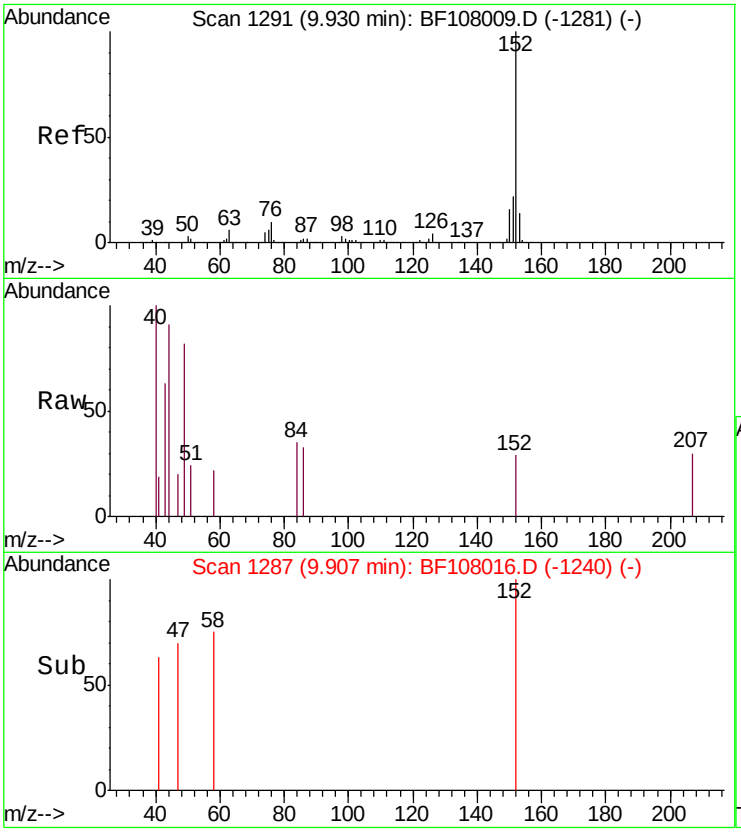




#47
2-Nitroaniline
Concen: 0.623 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.22 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion: 65 Resp: 7355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 193.9 | 55.8 | 83.6# |
| 138 | 38.6 | 91.2 | 136.8# |



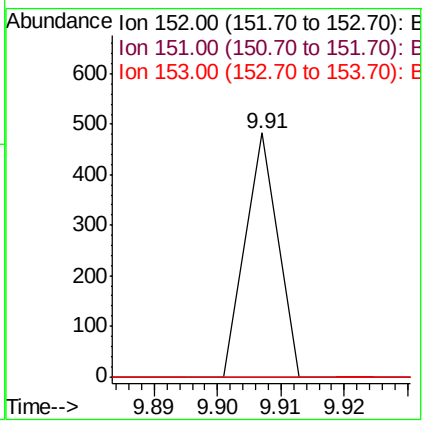


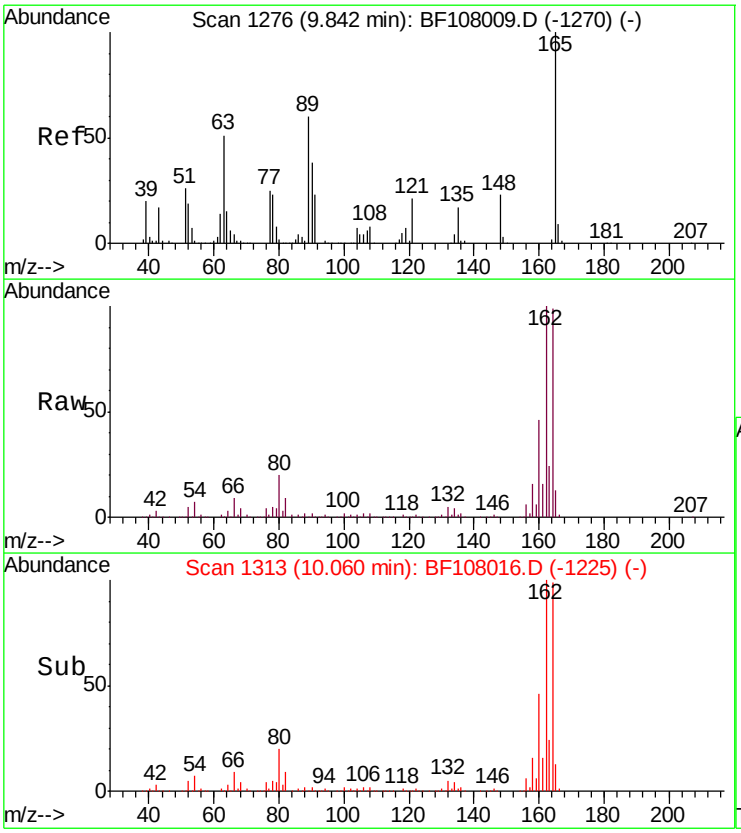

#48
Acenaphthylene
Concen: 0.003 ng
RT: 9.91 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:152 Resp: 170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 0.0 | 16.3 | 24.5# |
| 153 | 0.0 | 10.7 | 16.1# |

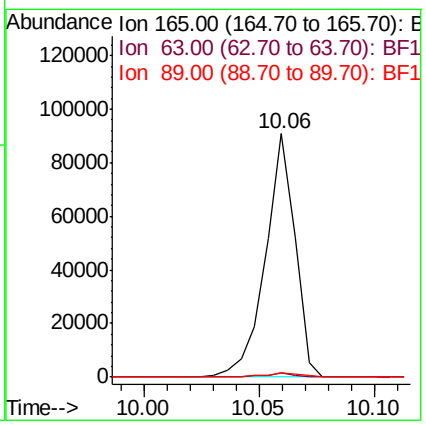


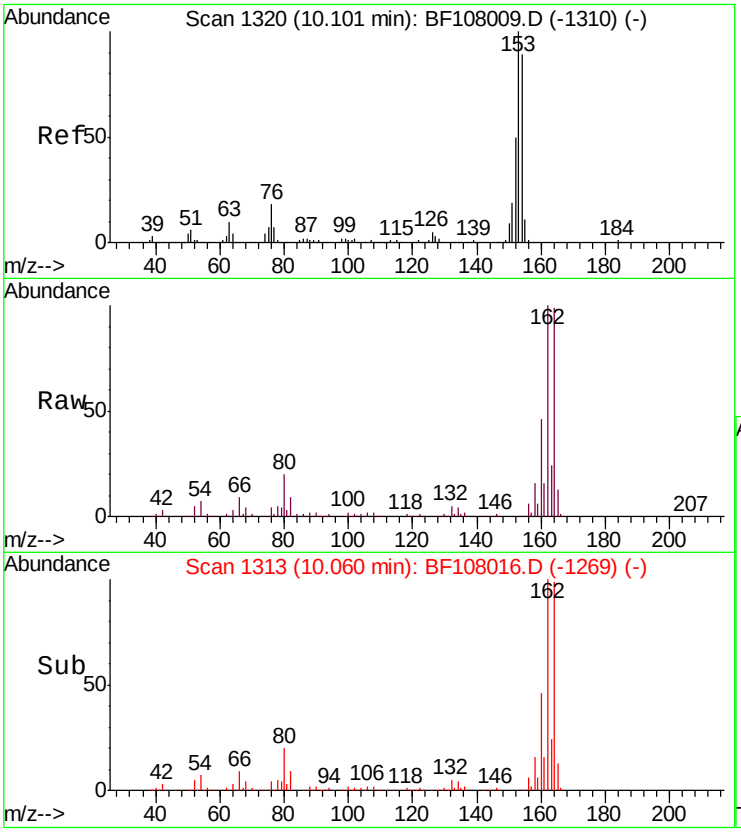




#50
2,6-Dinitrotoluene
Concen: 8.846 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:165 Resp: 80714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.7 | 44.7 | 67.1# |
| 89 | 1.7 | 44.0 | 66.0# |



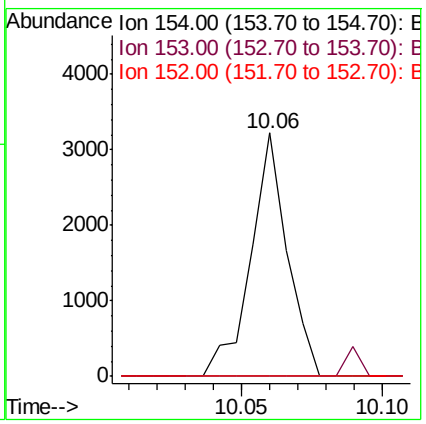


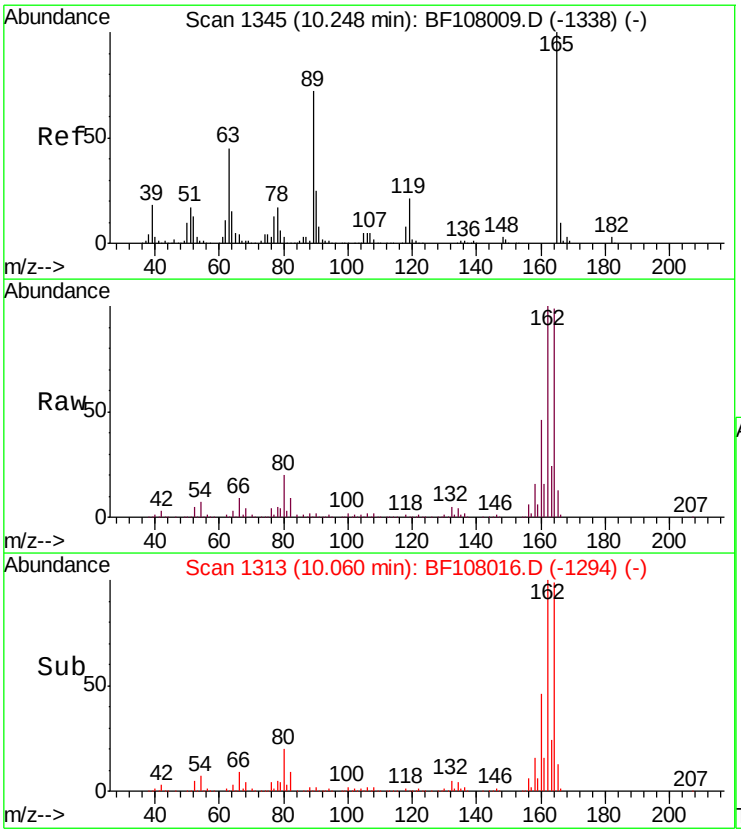

#51
Acenaphthene
Concen: 0.082 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.04 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:154 Resp: 2899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 91.2 | 136.8# |
| 152 | 0.0 | 43.8 | 65.8# |

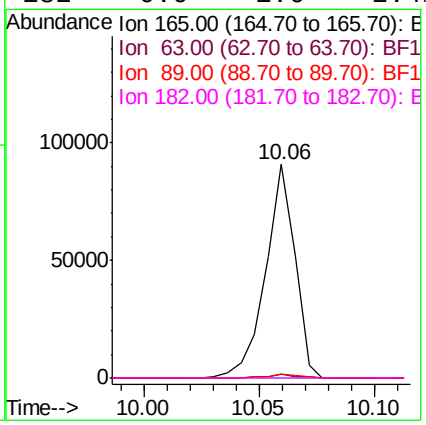


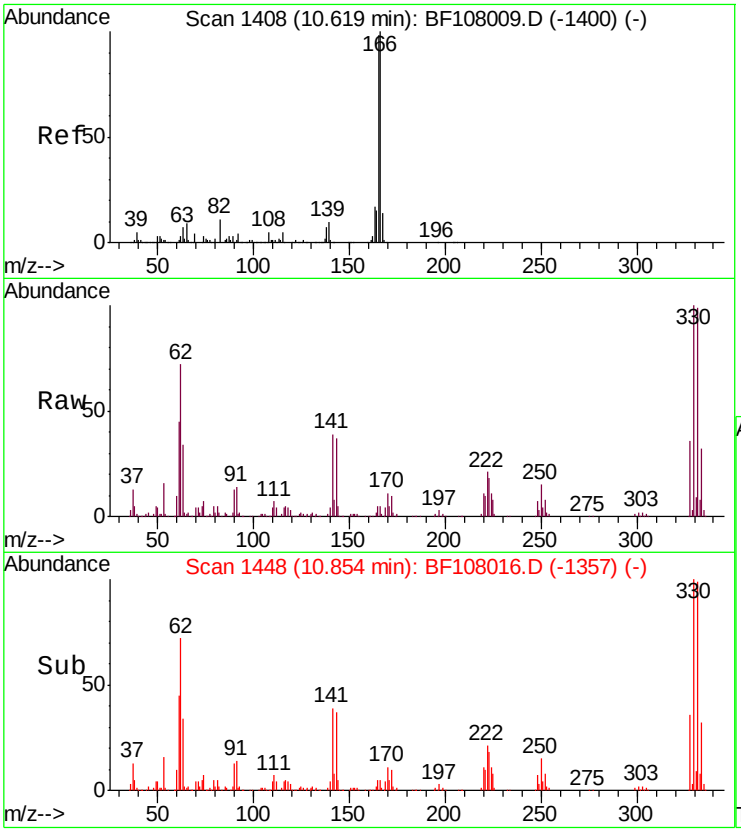




#56
2,4-Dinitrotoluene
Concen: 6.872 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:165 Resp: 80714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.7 | 36.4 | 54.6# |
| 89 | 1.7 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



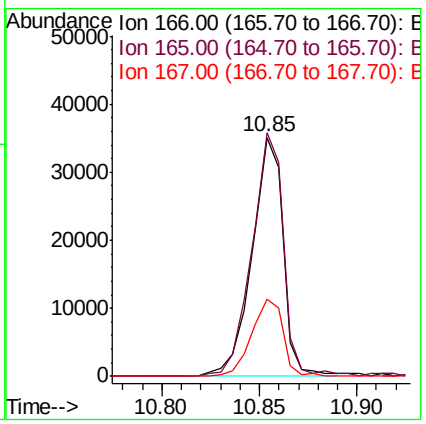


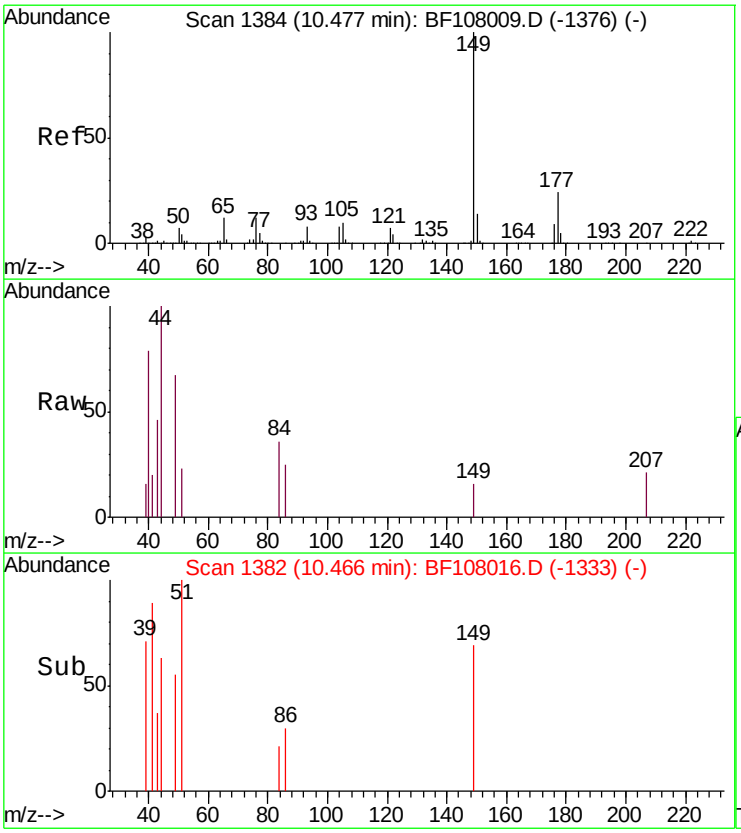

#57
Fluorene
Concen: 0.959 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.24 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:166 Resp: 38867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.1 | 79.8 | 119.8 |
| 167 | 32.1 | 10.6 | 16.0# |

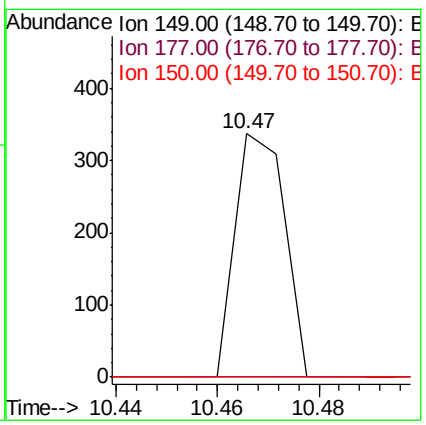


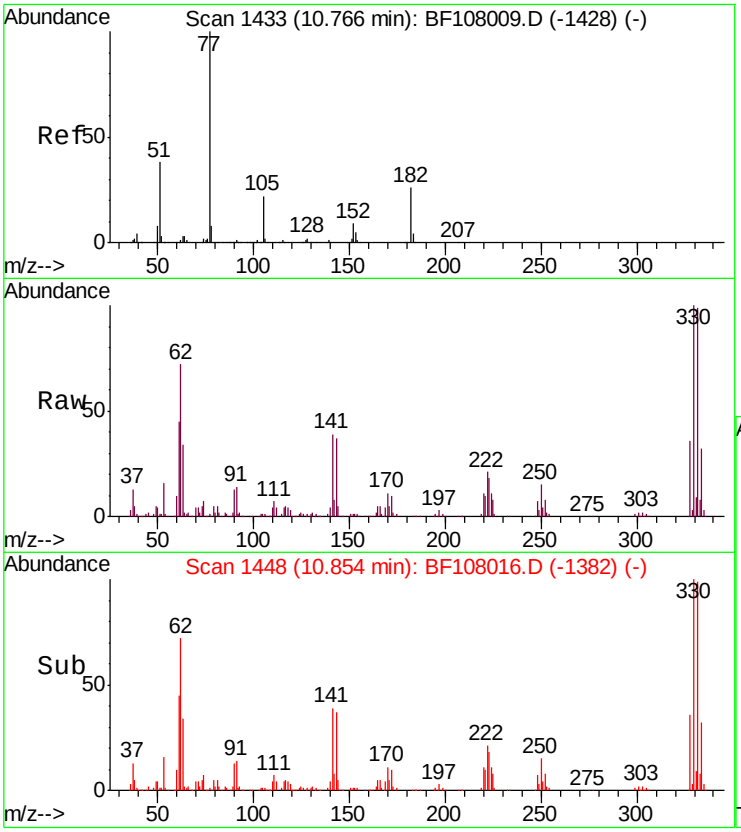




#59
Diethylphthalate
Concen: 0.005 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:149 Resp: 228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 0.0 | 16.1 | 24.1# |
| 150 | 0.0 | 10.1 | 15.1# |



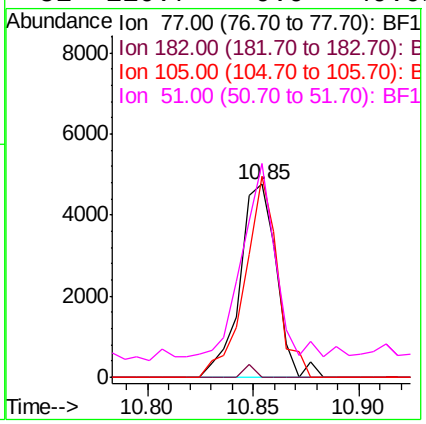


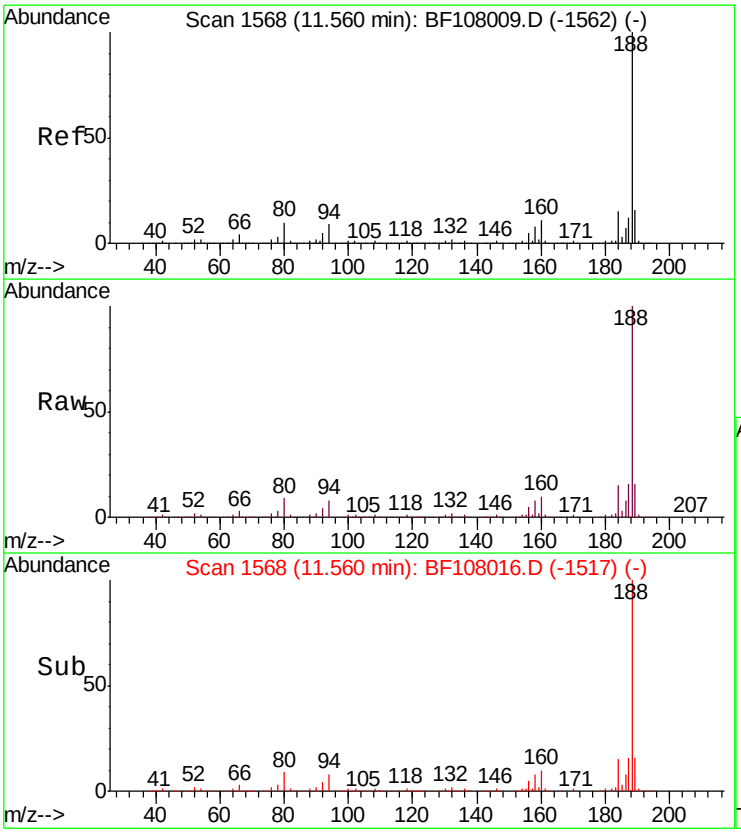

#62
Azobenzene
Concen: 0.132 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.09 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion: 77 Resp: 5739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 1.7 | 41.7# |
| 105 | 104.0 | 3.0 | 43.0# |
| 51 | 110.7 | 9.9 | 49.9# |

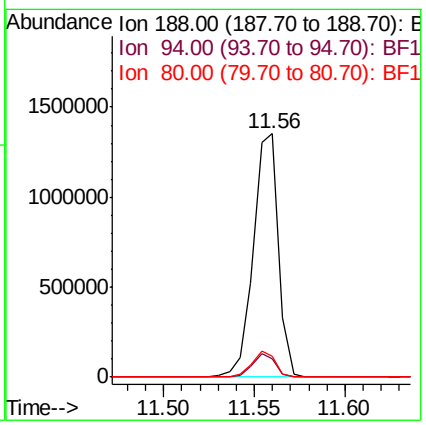


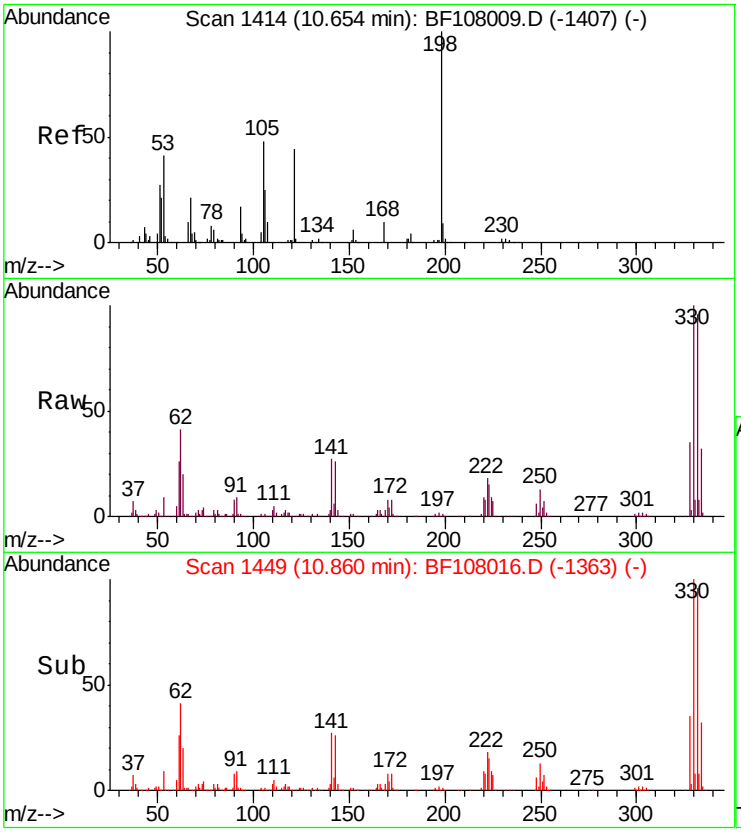




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:188 Resp: 1297954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 8.5 | 12.7# |
| 80 | 8.8 | 9.2 | 13.8# |



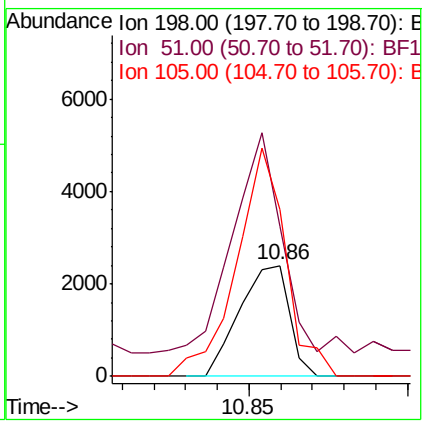


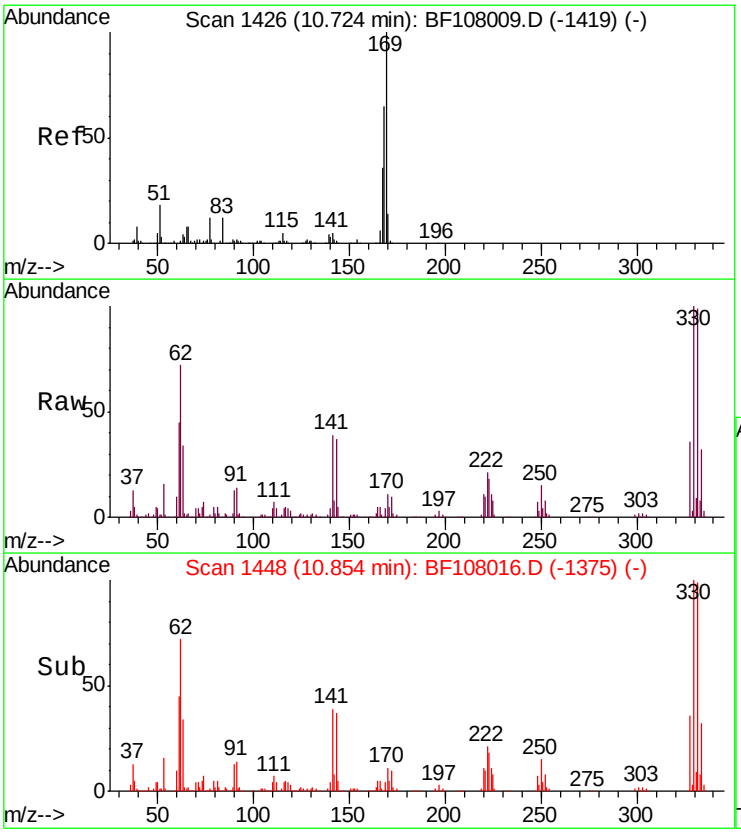

#64
4,6-Dinitro-2-methylphenol
Concen: 5.836 ng
RT: 10.86 min Scan# 1449
Delta R.T. 0.21 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:198 Resp: 2620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 134.9 | 37.7 | 77.7# |
| 105 | 150.0 | 36.3 | 76.3# |

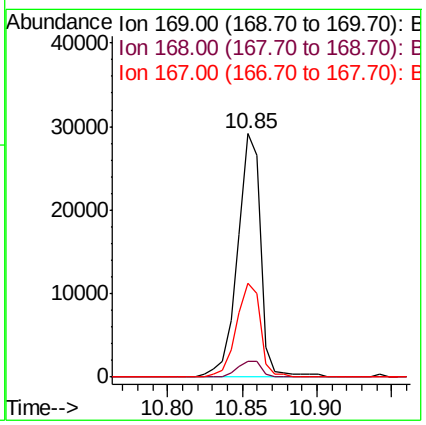


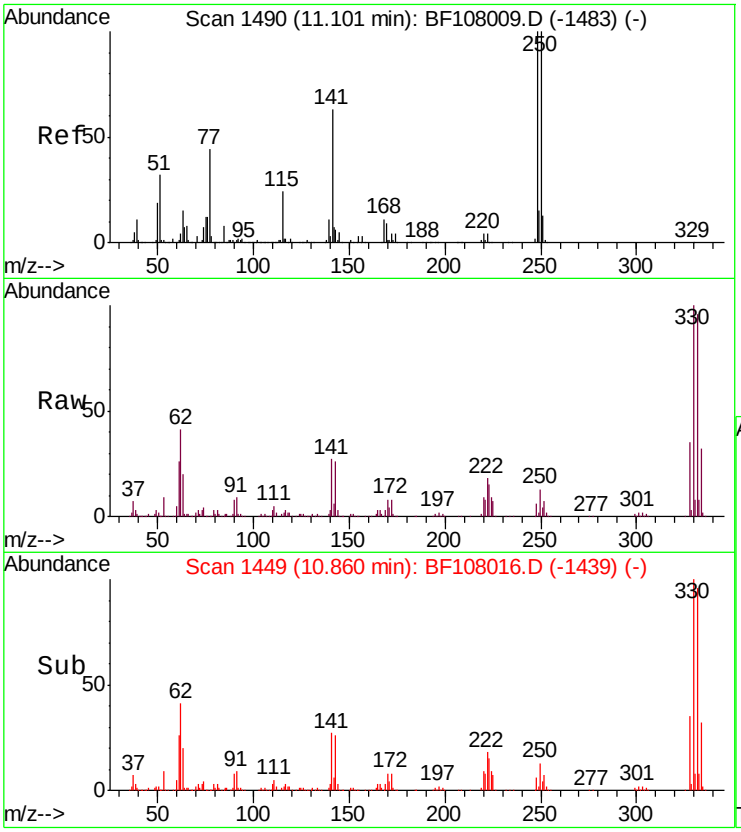




#65
n-Nitrosodiphenylamine
Concen: 0.818 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.13 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:169 Resp: 31390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 6.5 | 54.4 | 81.6# |
| 167 | 38.6 | 29.8 | 44.6 |



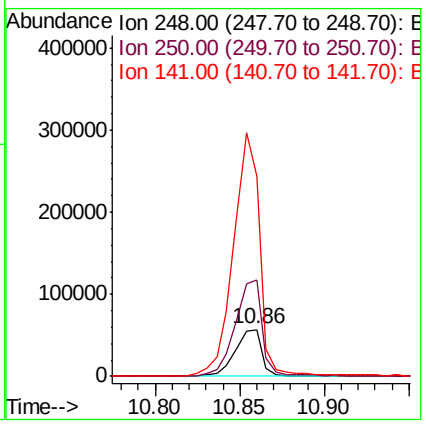


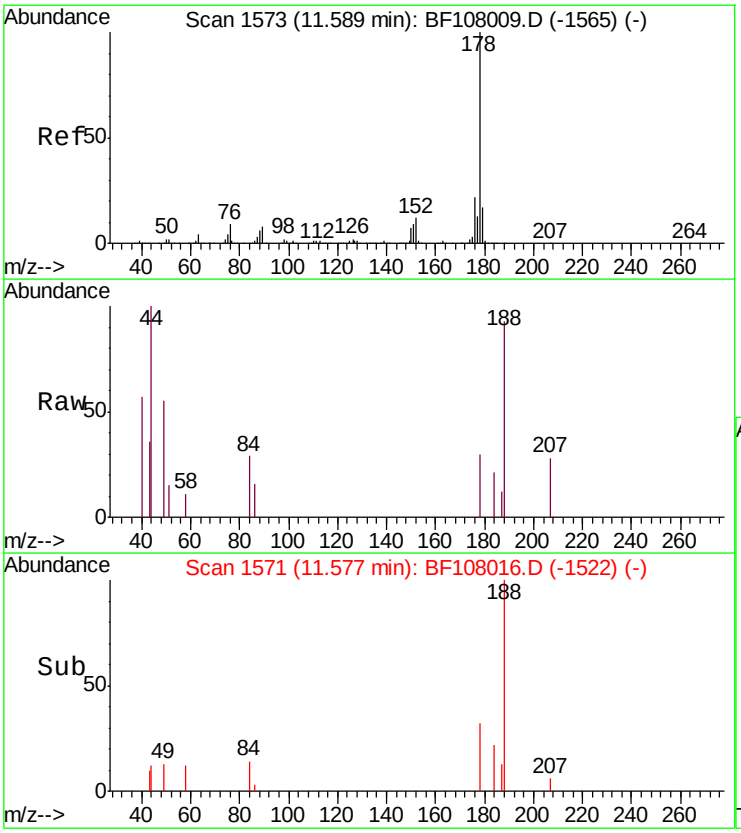

#66
4-Bromophenyl-phenylether
Concen: 4.485 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:248 Resp: 63259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 206.3 | 76.9 | 115.3# |
| 141 | 429.2 | 74.4 | 111.6# |

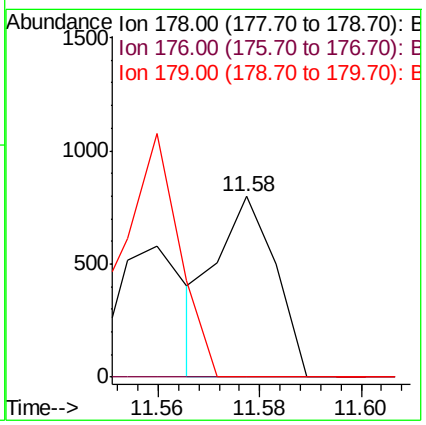


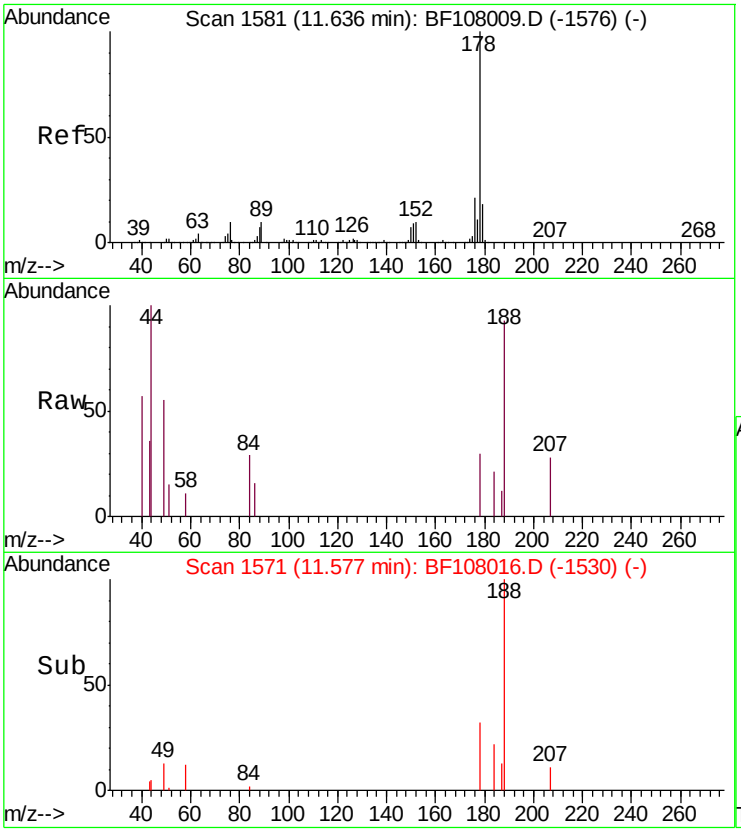




#70
Phenanthrene
Concen: 0.010 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:178 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.8 | 23.8# |
| 179 | 0.0 | 13.0 | 19.6# |



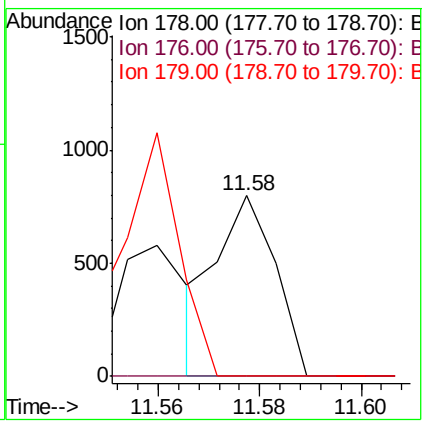


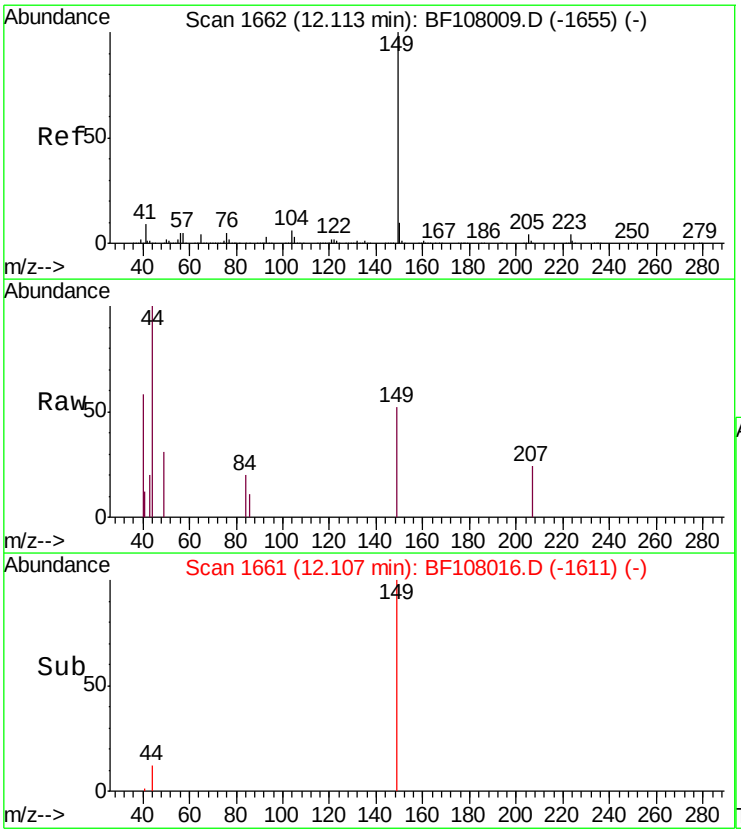

#71
Anthracene
Concen: 0.010 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:178 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.4 | 23.2# |
| 179 | 0.0 | 12.6 | 19.0# |

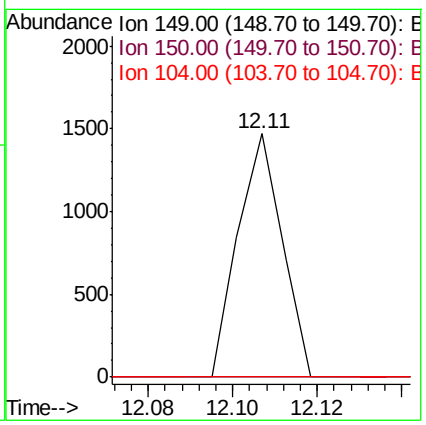


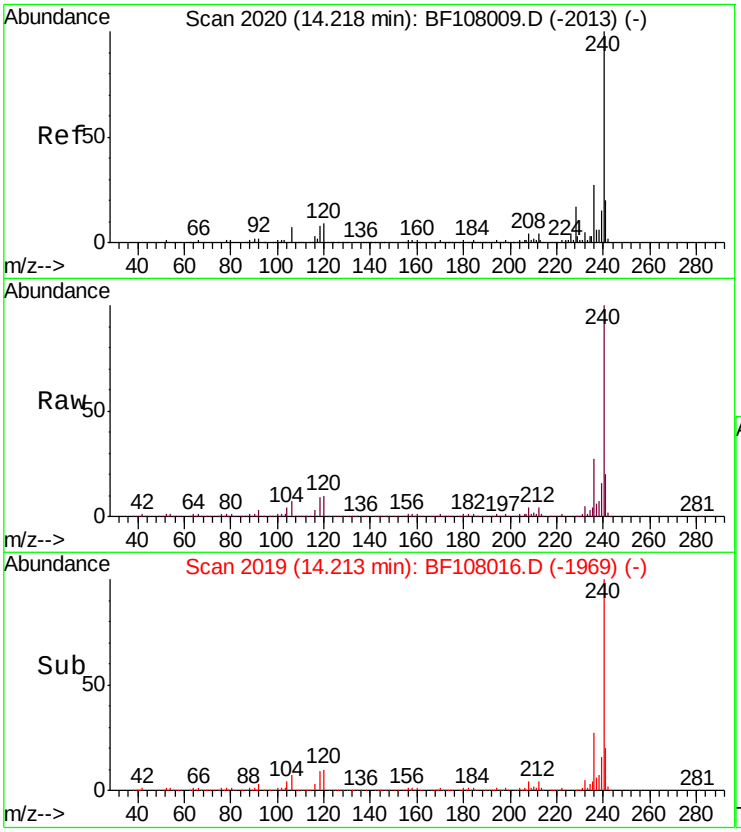




#73
Di-n-butylphthalate
Concen: 0.017 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:149 Resp: 1066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.8 | 11.6# |
| 104 | 0.0 | 3.8 | 5.8# |



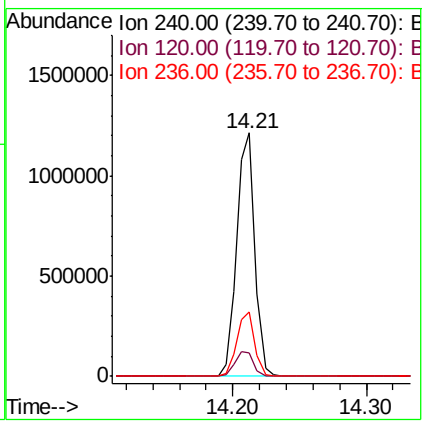


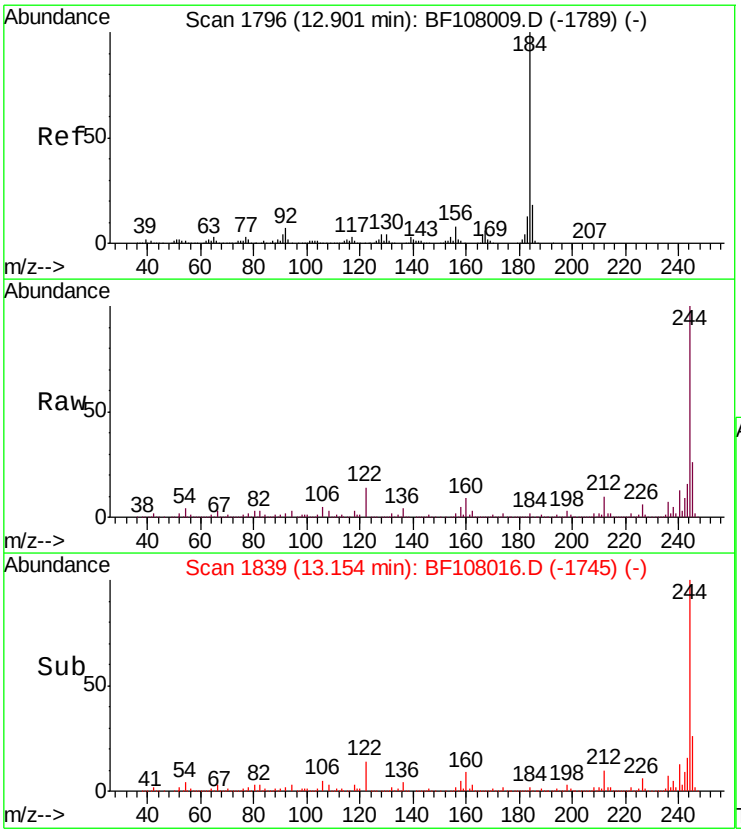

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:240 Resp: 1149661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 9.5 | 14.3 |
| 236 | 26.7 | 20.7 | 31.1 |

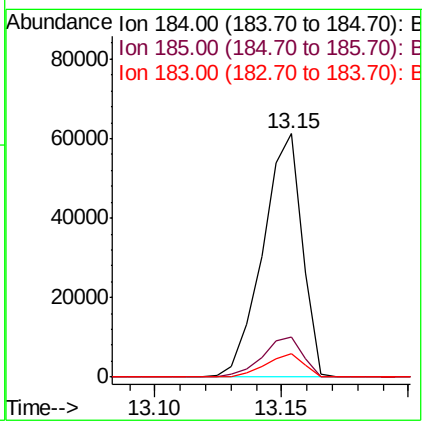


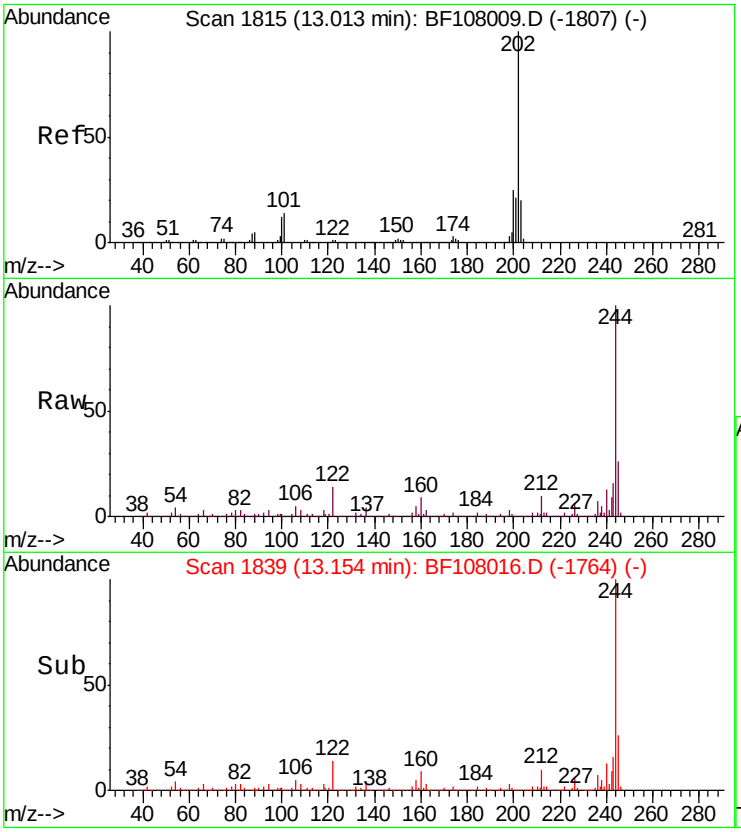




#76
Benzidine
Concen: 1.553 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.25 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:184 Resp: 66687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.3 | 12.6 | 18.8 |
| 183 | 9.7 | 9.3 | 13.9 |



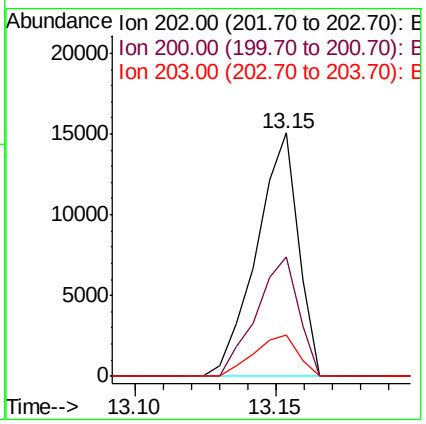


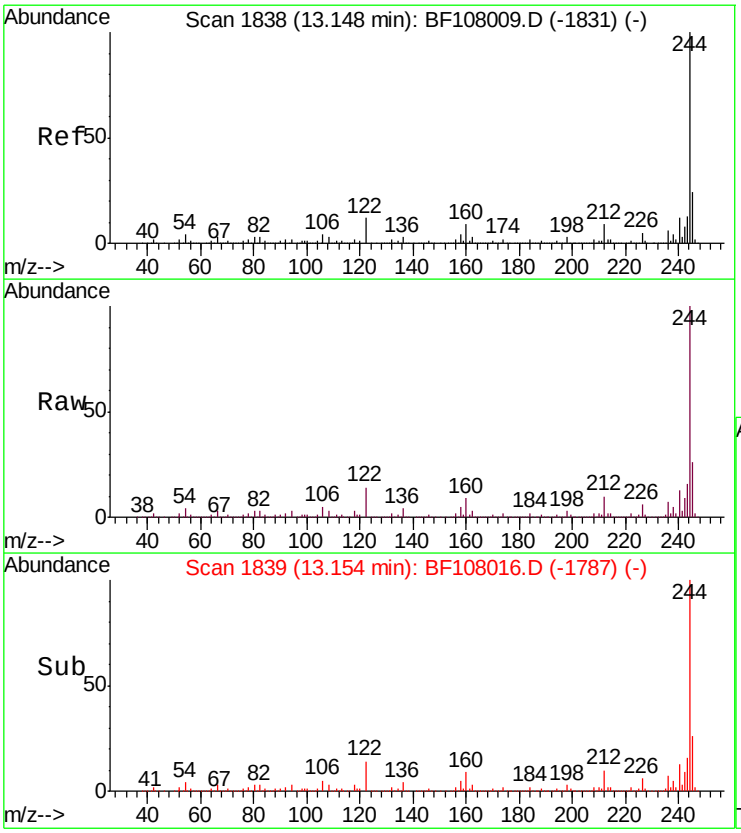

#77
Pyrene
Concen: 0.213 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.14 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:202 Resp: 15469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 48.9 | 17.4 | 26.2# |
| 203 | 16.8 | 14.3 | 21.5 |

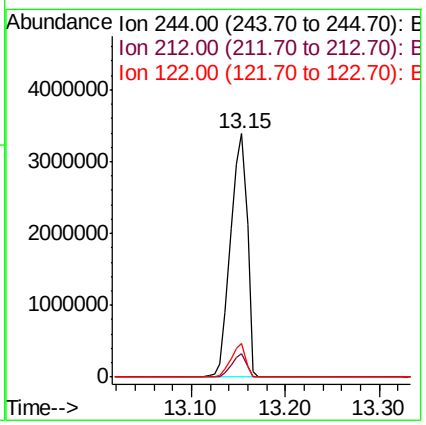


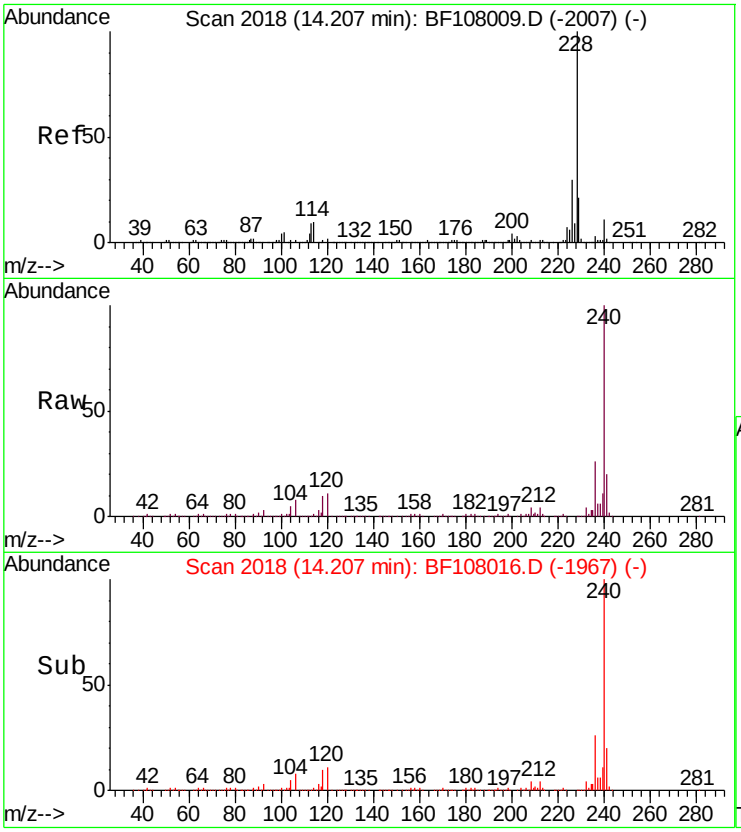




#78
Terphenyl-d14
Concen: 92.281 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:244 Resp: 4172622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.8 | 5.4 | 8.0# |
| 122 | 13.8 | 11.0 | 16.4 |



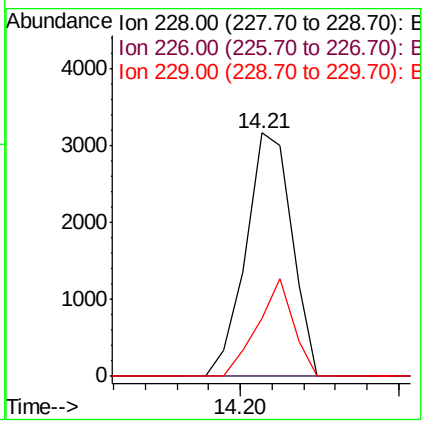


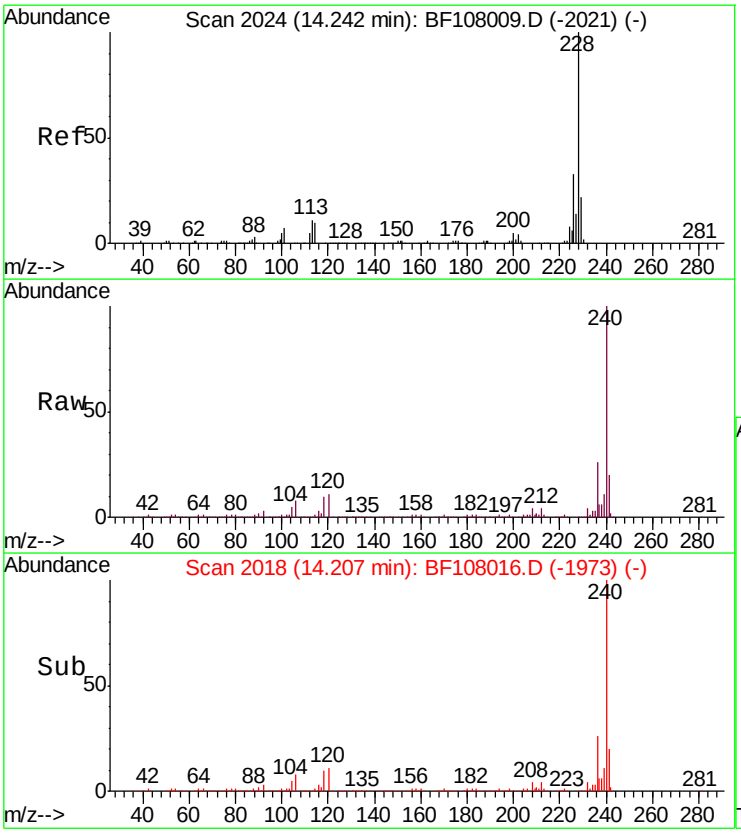

#80
Benzo(a)anthracene
Concen: 0.048 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:228 Resp: 3196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 22.6 | 33.8# |
| 229 | 23.7 | 15.8 | 23.6# |

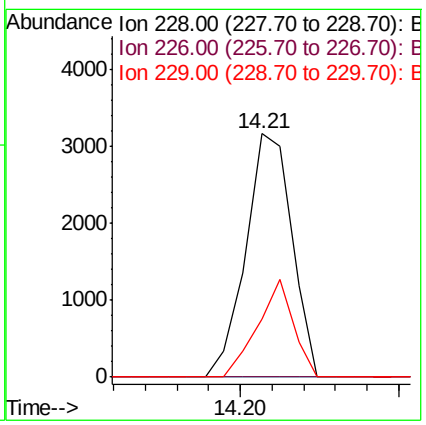


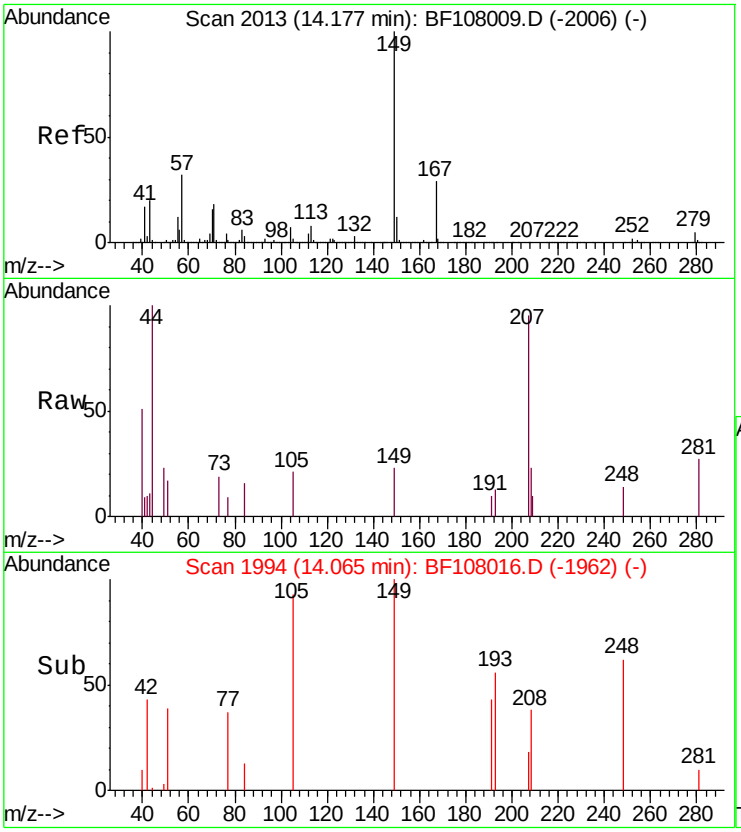




#82
Chrysene
Concen: 0.053 ng
RT: 14.21 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:228 Resp: 3196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 25.0 | 37.6# |
| 229 | 23.7 | 16.2 | 24.4 |



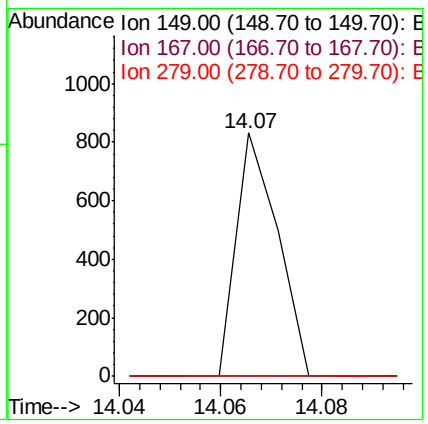


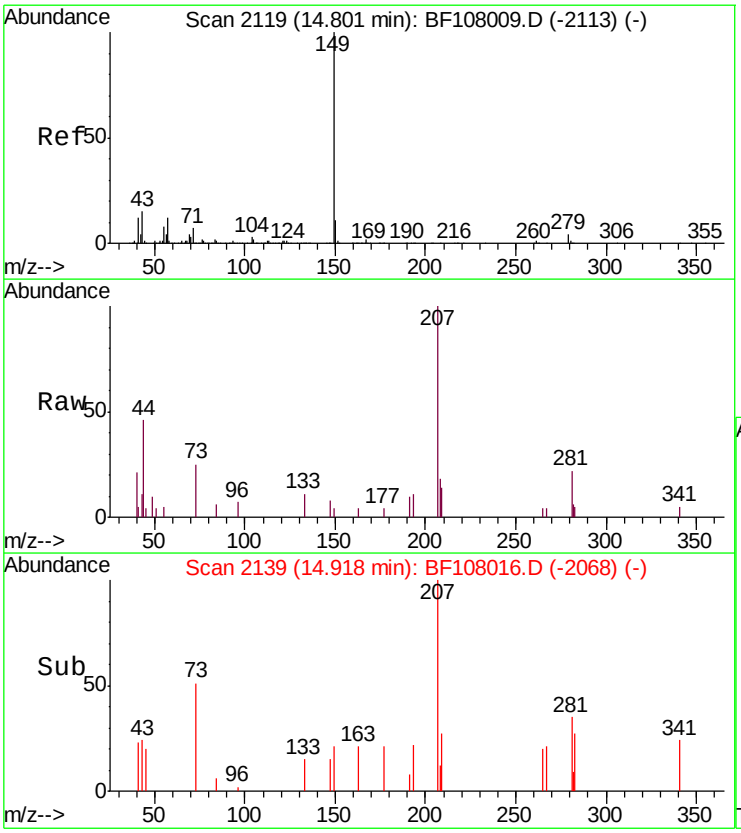

#83
Bis(2-ethylhexyl)phthalate
Concen: 0.012 ng
RT: 14.07 min Scan# 1994
Delta R.T. -0.11 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:149 Resp: 470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 21.3 | 31.9# |
| 279 | 0.0 | 3.0 | 4.4# |

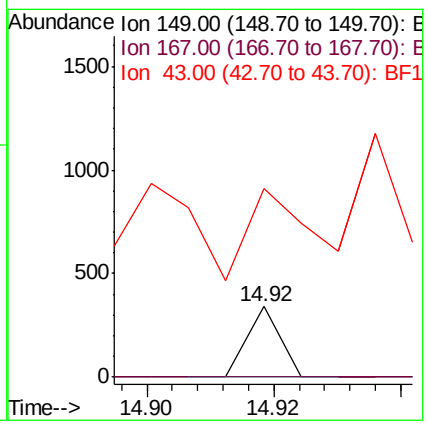


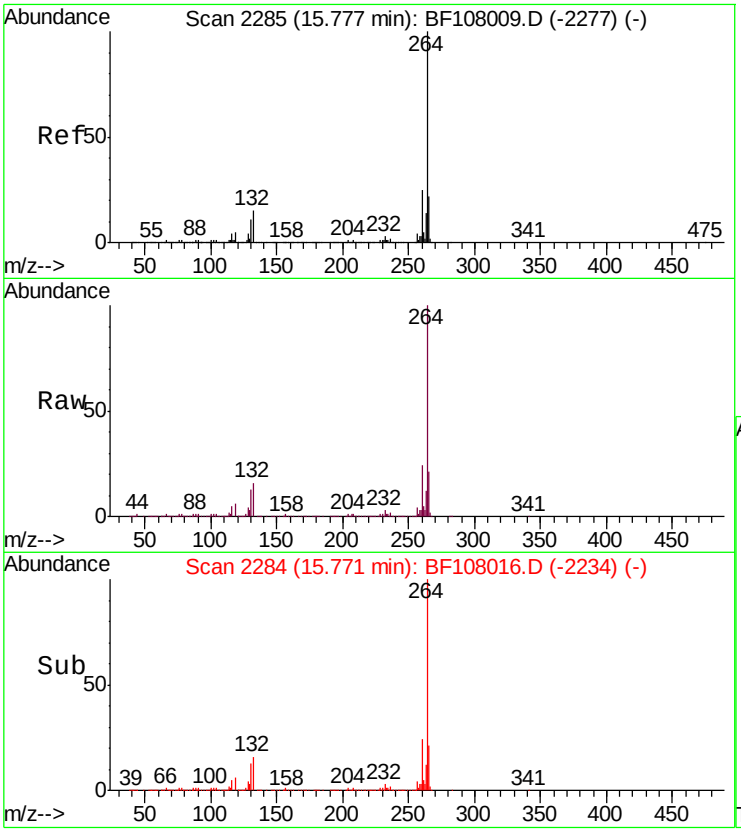




#84
Di-n-octyl phthalate
Concen: 0.002 ng
RT: 14.92 min Scan# 2139
Delta R.T. 0.12 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:149 Resp: 120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.2 | 1.8# |
| 43 | 382.5 | 8.4 | 12.6# |



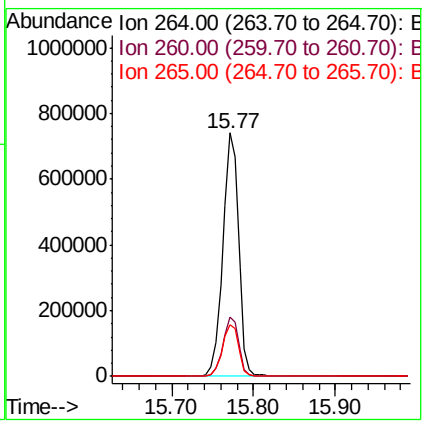


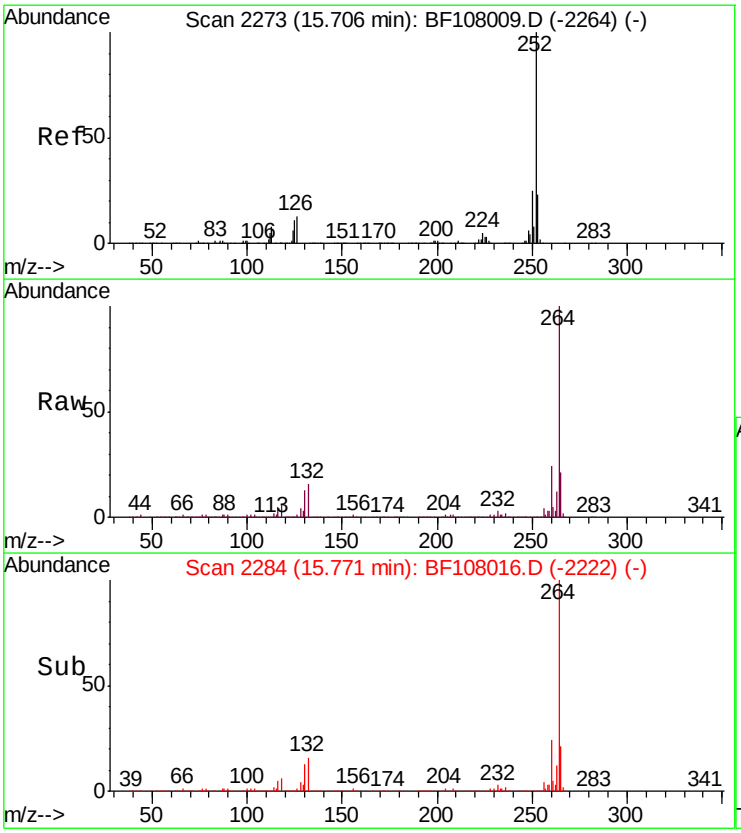

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

**Instrument :**
BNA_F
**ClientSampleId :**
PB111180BL

Tgt Ion:264 Resp: 991020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |




#89
Benzo(a)pyrene
Concen: 0.064 ng
RT: 15.77 min Scan# 2284
Delta R.T. 0.06 min
Lab File: BF108016.D
Acq: 8 Aug 2018 13:40

Tgt Ion:252 Resp: 3382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 41.6 | 17.1 | 25.7# |
| 125 | 19.7 | 9.8 | 14.6# |