Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104742.D
Acq On : 24 Apr 2018 7:50
Operator : JU/SJ
Sample : J2497-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Apr 24 08:34:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 105013 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 391262 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 170042 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 244966 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 14.02 | 240 | 100996 | 20.00 | ng | | 0.04 |
| 86) Perylene-d12 | 15.50 | 264 | 110280 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 525310 | 76.49 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 649701 | 76.99 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 372245 | 62.12 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 126132 | 71.51 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 685938 | 63.73 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.94 | 244 | 468615 | 105.78 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.36 | 77 | 21304 | 2.604 | ng | # | 1 |
| 17) 2-Methylphenol | 7.23 | 107 | 12675 | 2.012 | ng | | 86 |
| 22) Acetophenone | 7.20 | 105 | 23162 | 2.405 | ng | # | 60 |
| 25) Isophorone | 7.37 | 82 | 369924 | 29.195 | ng | # | 64 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 63442 | 11.345 | ng | # | 92 |
| 31) Naphthalene | 8.13 | 128 | 4668415 | 239.618 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 125706 | 28.174 | ng | # | 15 |
| 33) 4-Chloroaniline | 8.13 | 127 | 662199 | 79.336 | ng | # | 36 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 373010 | 29.598 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 341918 | 23.936 | ng | | 99 |
| 47) 2-Nitroaniline | 9.42 | 65 | 14324 | 5.133 | ng | # | 22 |
| 48) Acenaphthylene | 9.72 | 152 | 1178572 | 66.575 | ng | | 99 |
| 49) Dimethylphthalate | 9.56 | 163 | 66578 | 4.965 | ng | # | 98 |
| 51) Acenaphthene | 9.89 | 154 | 451807 | 41.830 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.00 | 184 | 447 | 5.785 | ng | # | 1 |
| 54) Dibenzofuran | 10.06 | 168 | 570948 | 37.931 | ng | | 98 |
| 55) 4-Nitrophenol | 10.06 | 139 | 223480 | 97.941 | ng | # | 11 |
| 56) 2,4-Dinitrotoluene | 10.02 | 165 | 8535 | 2.622 | ng | # | 56 |
| 57) Fluorene | 10.40 | 166 | 1124181 | 102.606 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 747 | 7.877 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 22890 | 2.695 | ng | # | 54 |
| 70) Phenanthrene | 11.39 | 178 | 3697431 | 271.033 | ng | | 99 |
| 71) Anthracene | 11.43 | 178 | 1518411 | 109.496 | ng | | 99 |
| 72) Carbazole | 11.59 | 167 | 613989 | 45.310 | ng | | 99 |
| 74) Fluoranthene | 12.60 | 202 | 3369255 | 236.385 | ng | | 99 |
| 76) Benzidine | 12.69 | 184 | 4357 | Below Cal | | # | 1 |
| 77) Pyrene | 12.83 | 202 | 3281682 | 438.366 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 1542013 | 255.571 | ng | # | 83 |
| 82) Chrysene | 14.06 | 228 | 1318355 | 212.726 | ng | # | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 13095 | 2.887 | ng | # | 55 |
| 85) Indeno(1,2,3-cd)pyrene | 17.01 | 276 | 1028390 | 195.339 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.09 | 252 | 2051036 | 294.473 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.09 | 252 | 2051036 | 311.913 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.46 | 252 | 1185554 | 190.236 | ng | | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104742.D
Acq On : 24 Apr 2018 7:50
Operator : JU/SJ
Sample : J2497-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Apr 24 08:34:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 90) Dibenzo(a,h)anthracene | 17.16 | 278 | 211613 | 41.344 | ng | 93 |
| 91) Benzo(g,h,i)perylene | 17.47 | 276 | 1127311 | 227.333 | ng | 95 |

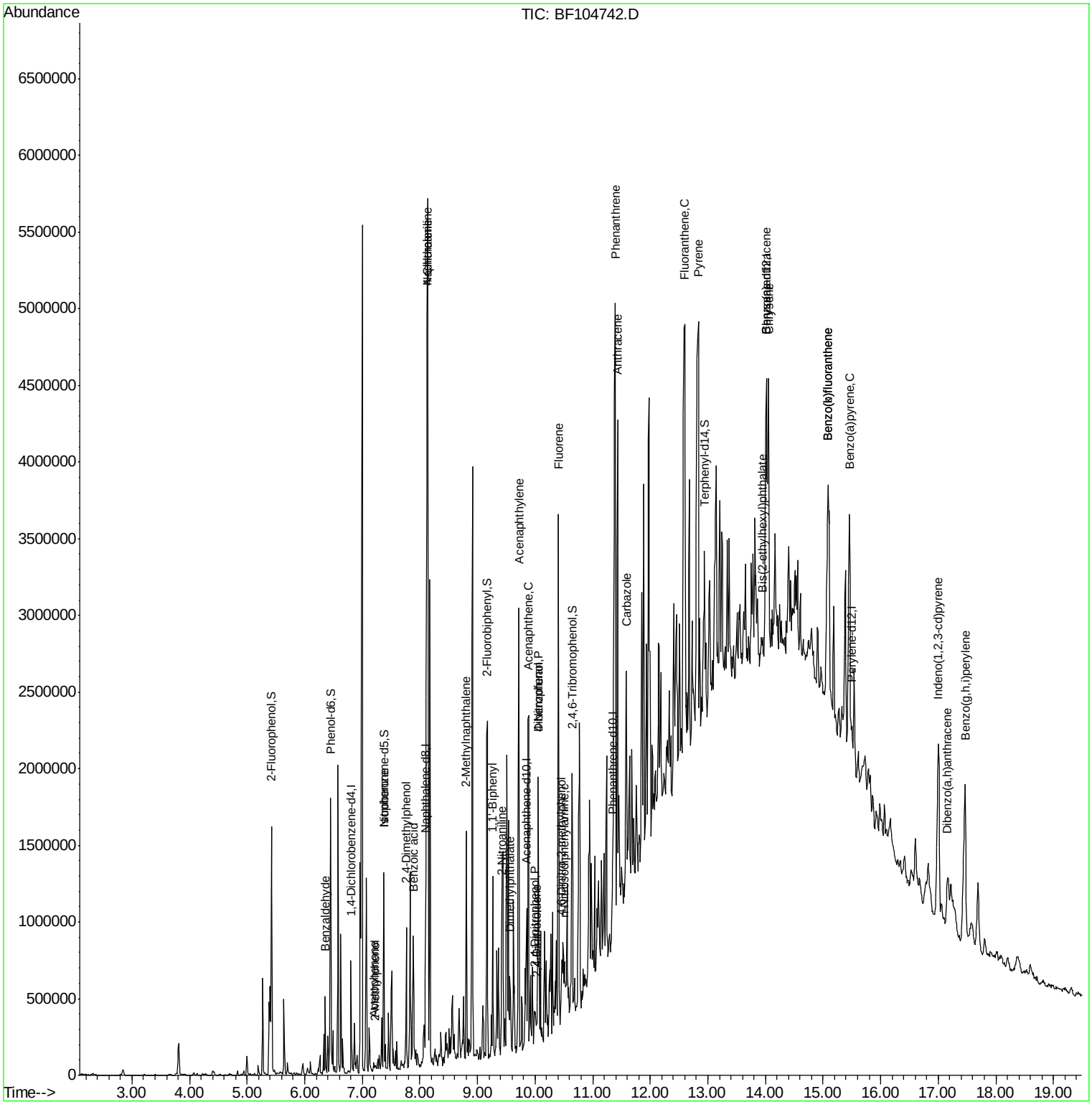
(#) = qualifier out of range (m) = manual integration (+) = signals summed

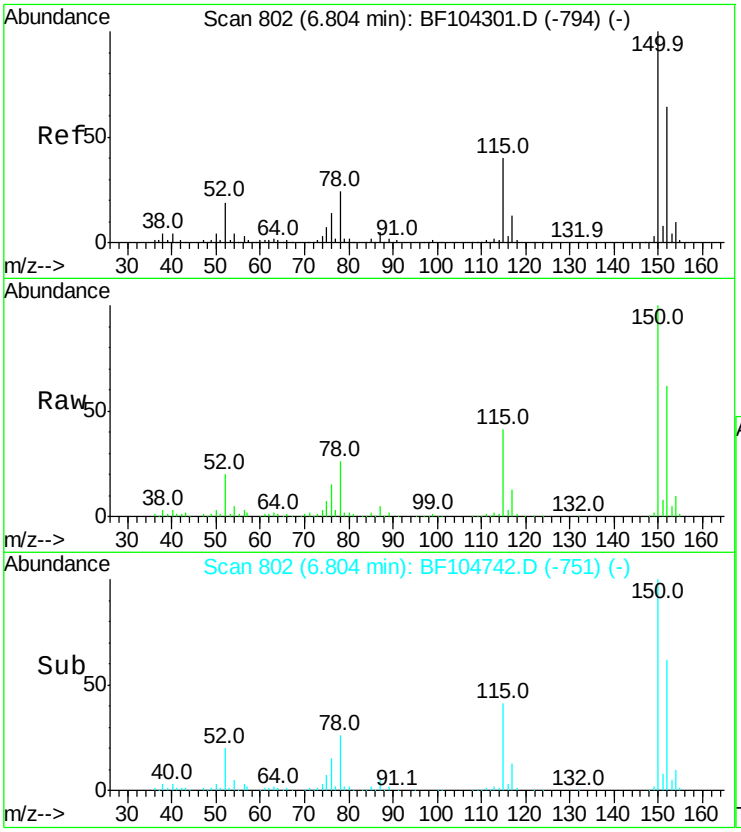
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104742.D
Acq On : 24 Apr 2018 7:50
Operator : JU/SJ
Sample : J2497-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Apr 24 08:34:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



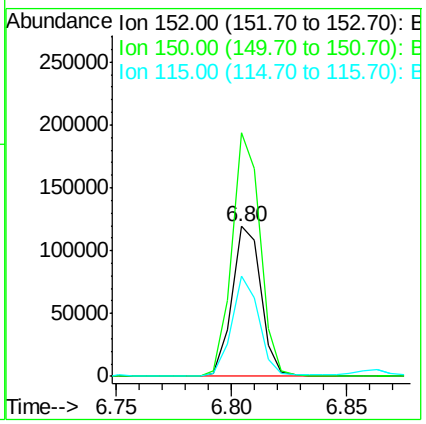


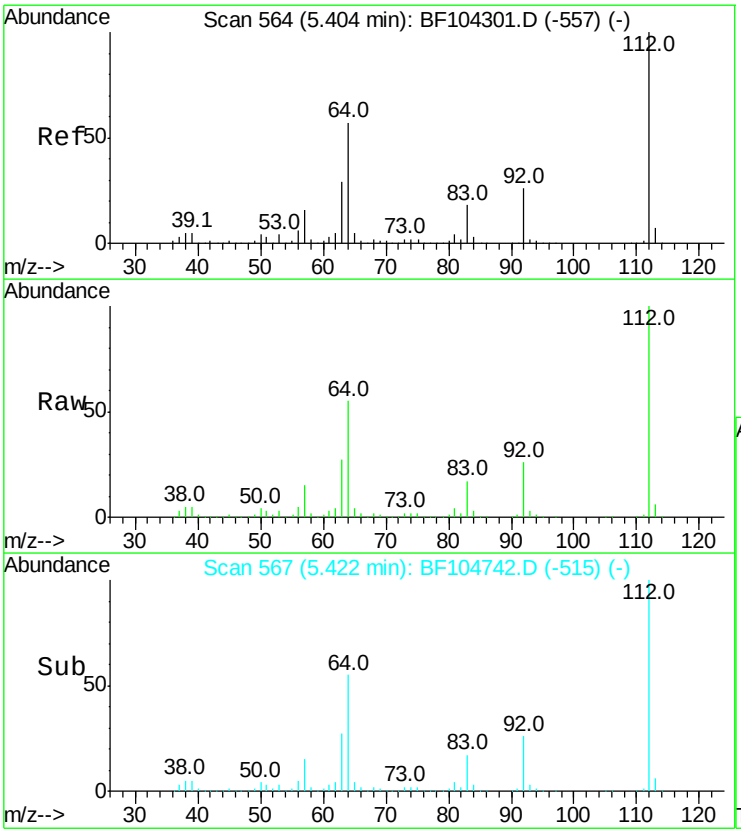

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:152 Resp: 105013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.2 | 124.6 | 186.8 |
| 115 | 67.0 | 50.1 | 75.1 |

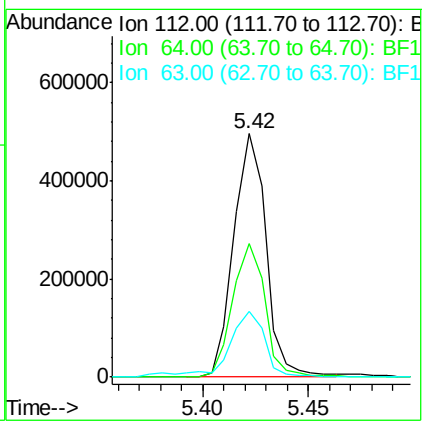


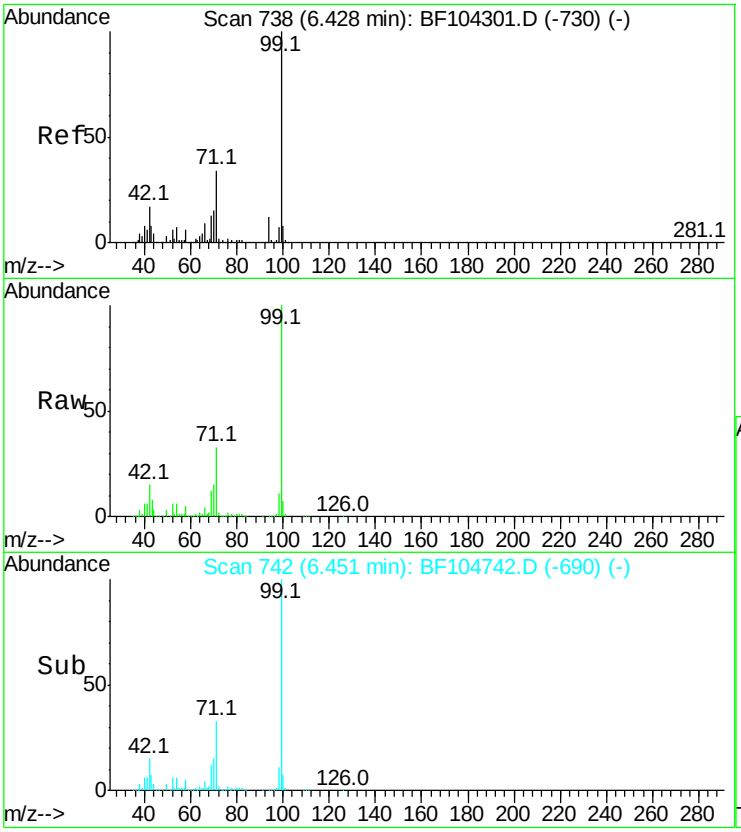




#5
2-Fluorophenol
Concen: 76.488 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:112 Resp: 525310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.9 | 47.9 | 71.9 |
| 63 | 27.2 | 23.7 | 35.5 |



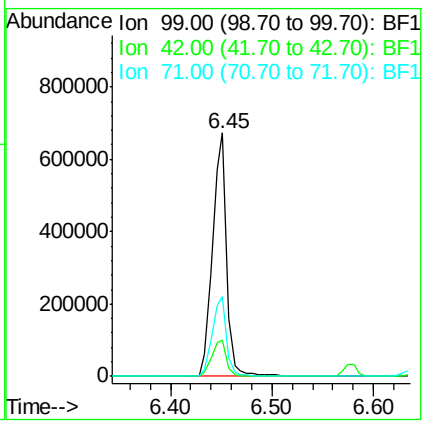


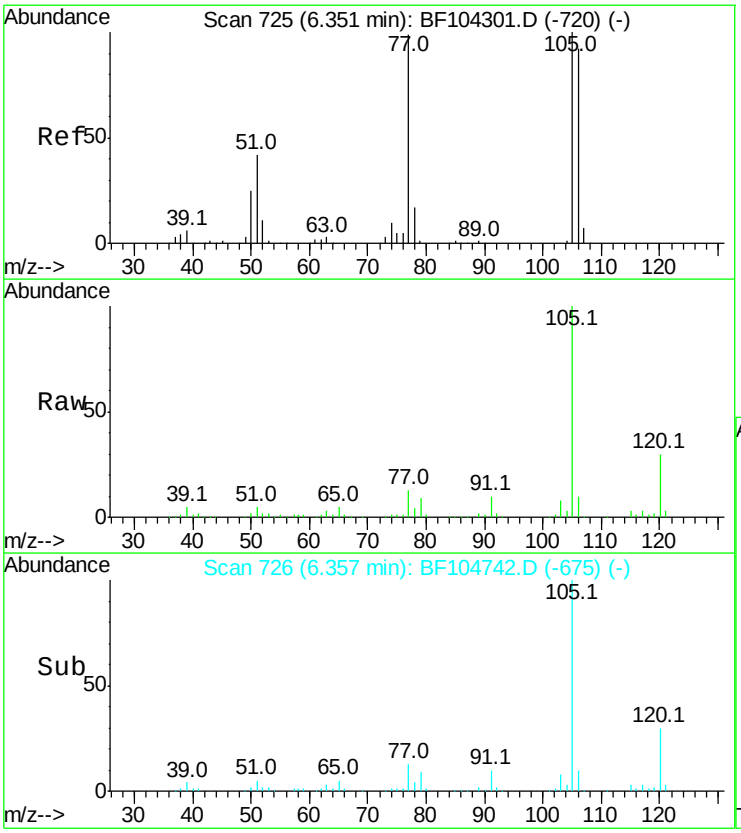

#7
Phenol-d6
Concen: 76.994 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion: 99 Resp: 649701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 14.5 | 21.7 |
| 71 | 32.6 | 25.4 | 38.0 |

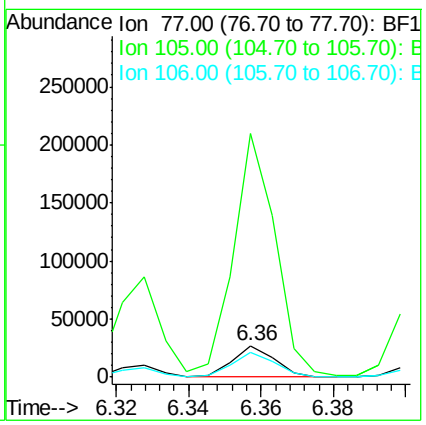


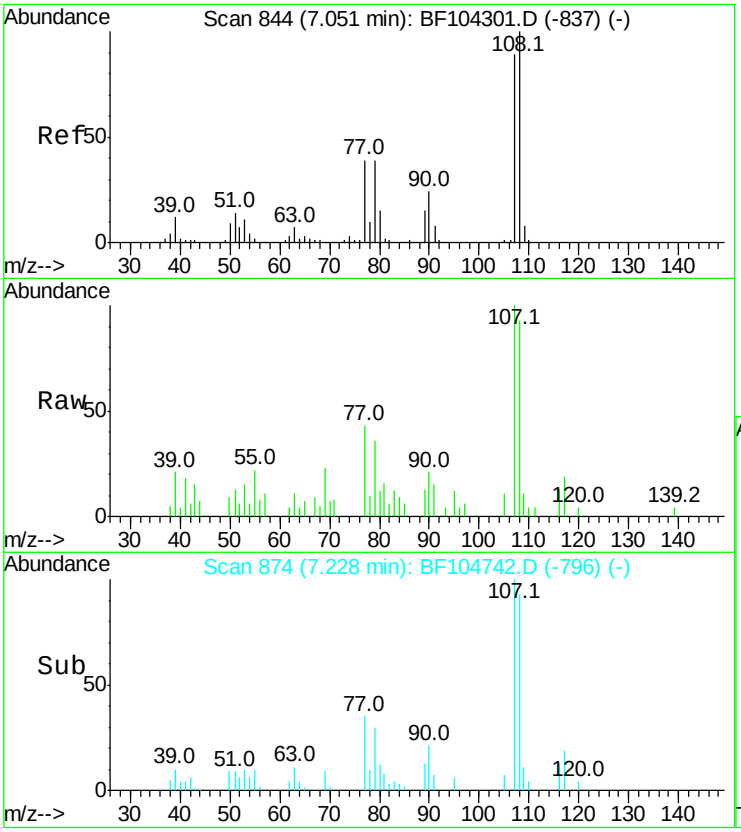




#9
Benzaldehyde
Concen: 2.604 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion: 77 Resp: 21304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 776.8 | 81.1 | 121.1# |
| 106 | 80.7 | 74.5 | 114.5 |



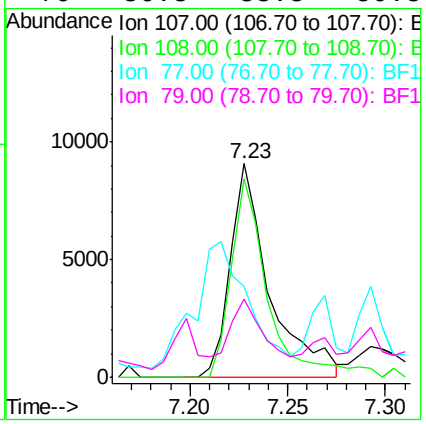


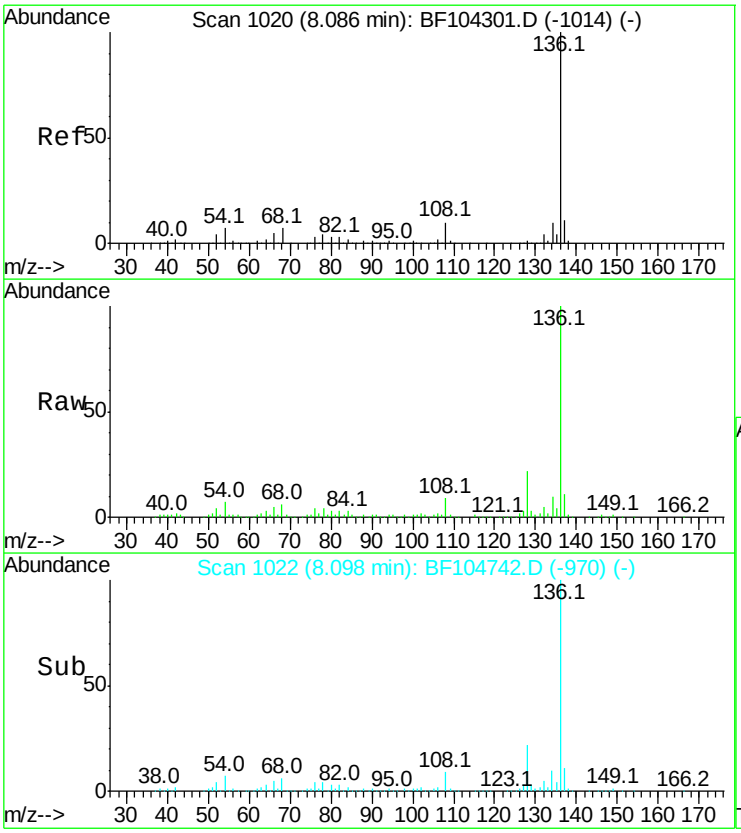

#17
2-Methylphenol
Concen: 2.012 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.16 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:107 Resp: 12675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 93.0 | 91.7 | 137.5 |
| 77 | 42.8 | 33.8 | 50.8 |
| 79 | 36.3 | 33.8 | 50.8 |

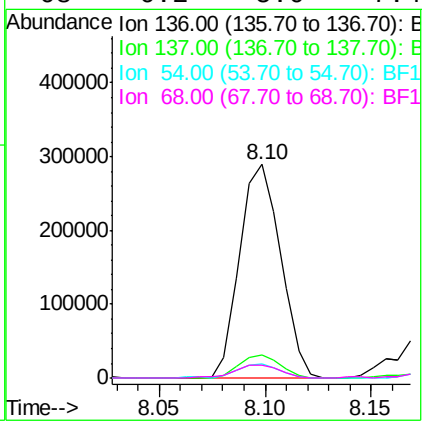


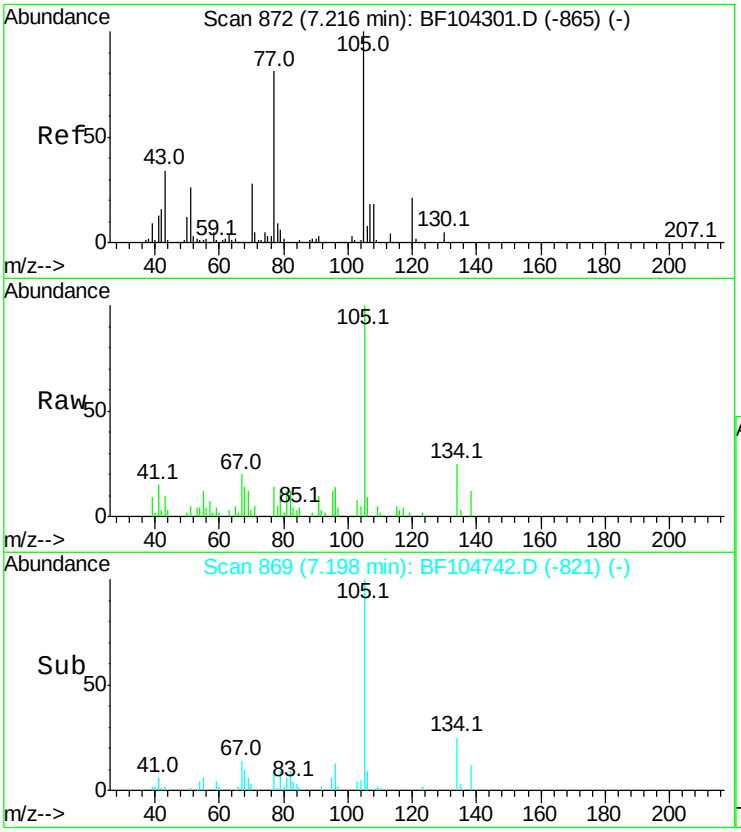




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:136 Resp: 391262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 6.8 | 6.6 | 9.8 |
| 68 | 6.2 | 5.0 | 7.4 |



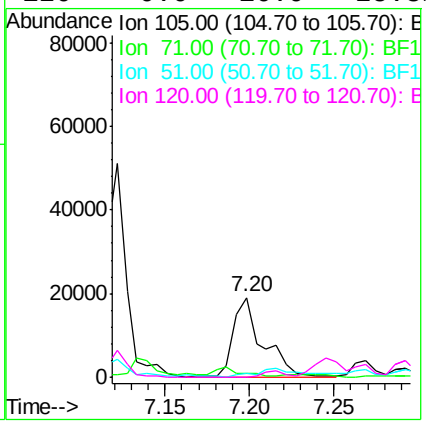


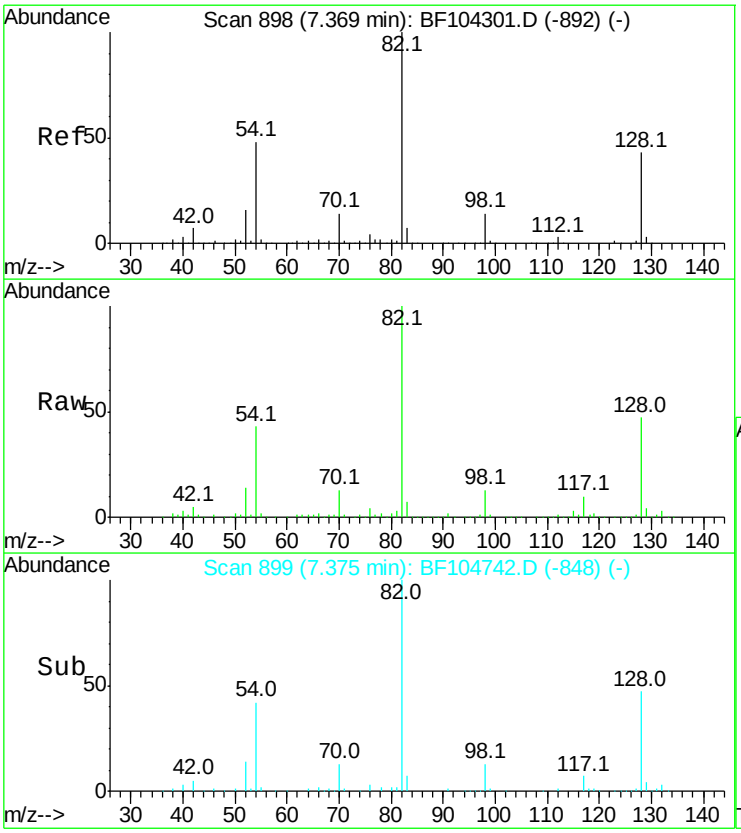

#22
Acetophenone
Concen: 2.405 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:105 Resp: 23162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.8 | 4.4 | 6.6 |
| 51 | 5.3 | 22.3 | 33.5# |
| 120 | 0.0 | 16.9 | 25.3# |

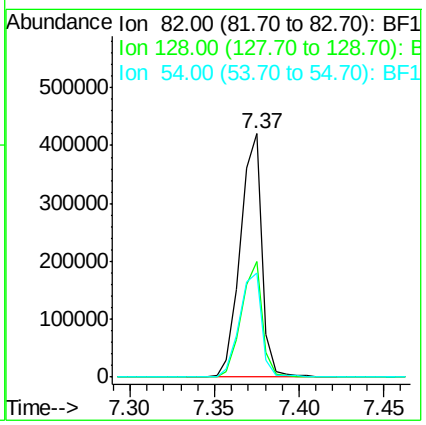


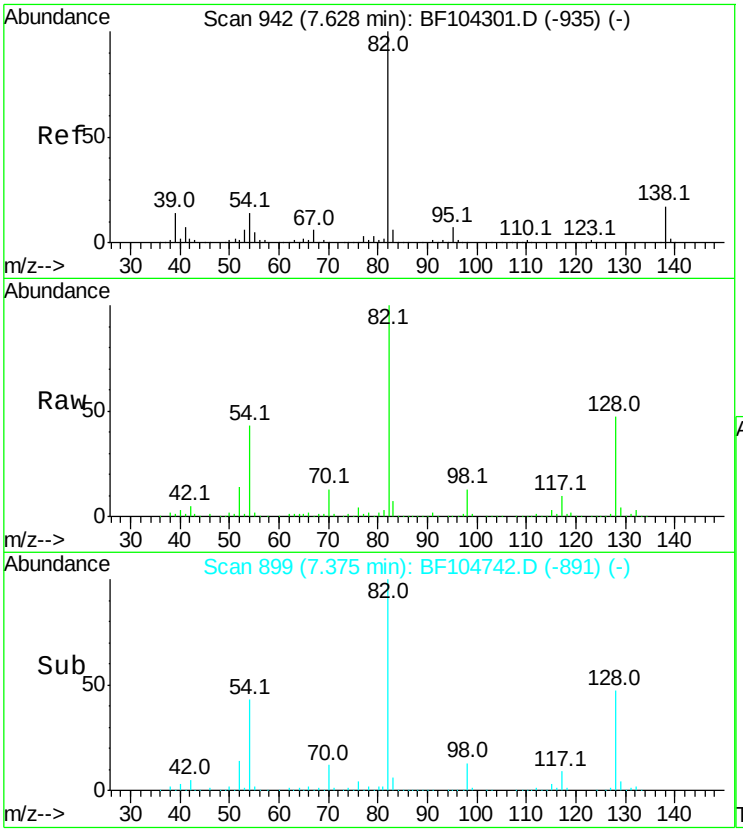




#23
Nitrobenzene-d5
Concen: 62.124 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion: 82 Resp: 372245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 36.1 | 54.1 |
| 54 | 42.5 | 41.4 | 62.2 |



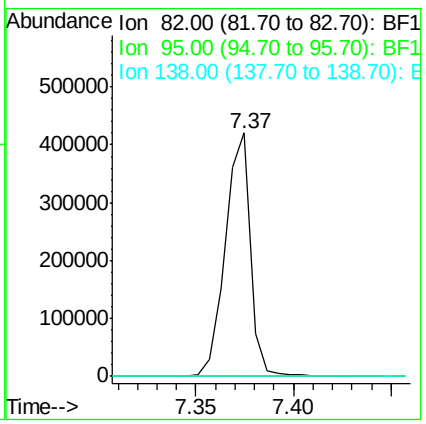


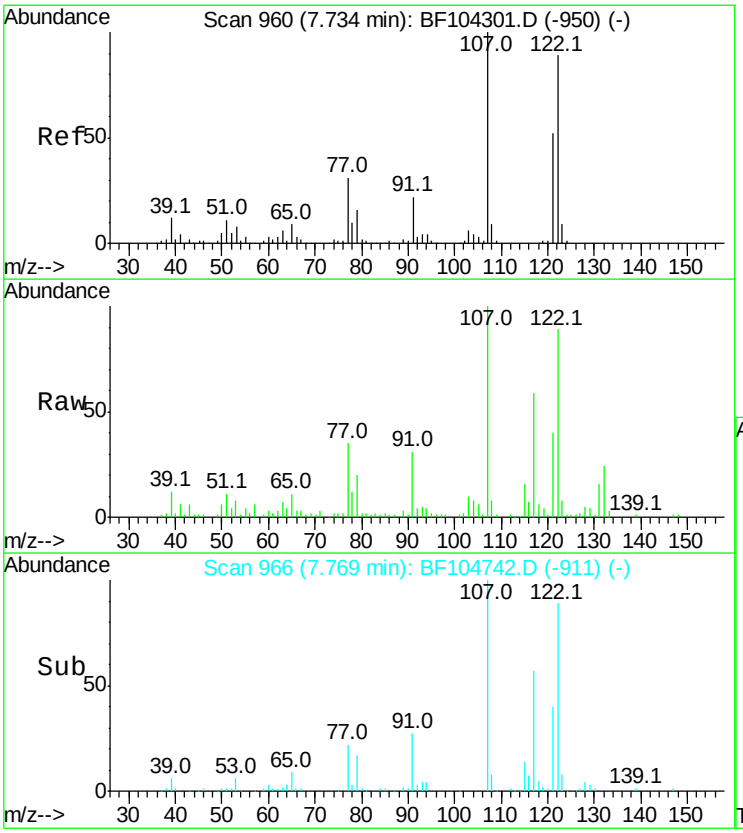

#25
Isophorone
Concen: 29.195 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion: 82 Resp: 369924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.3 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

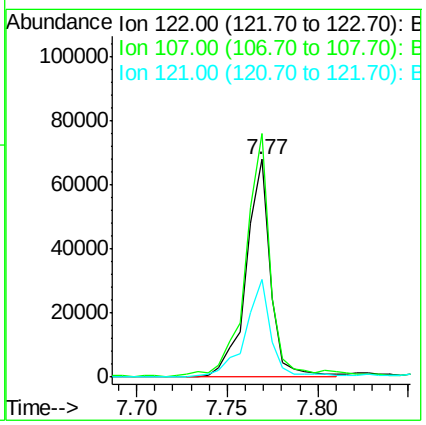


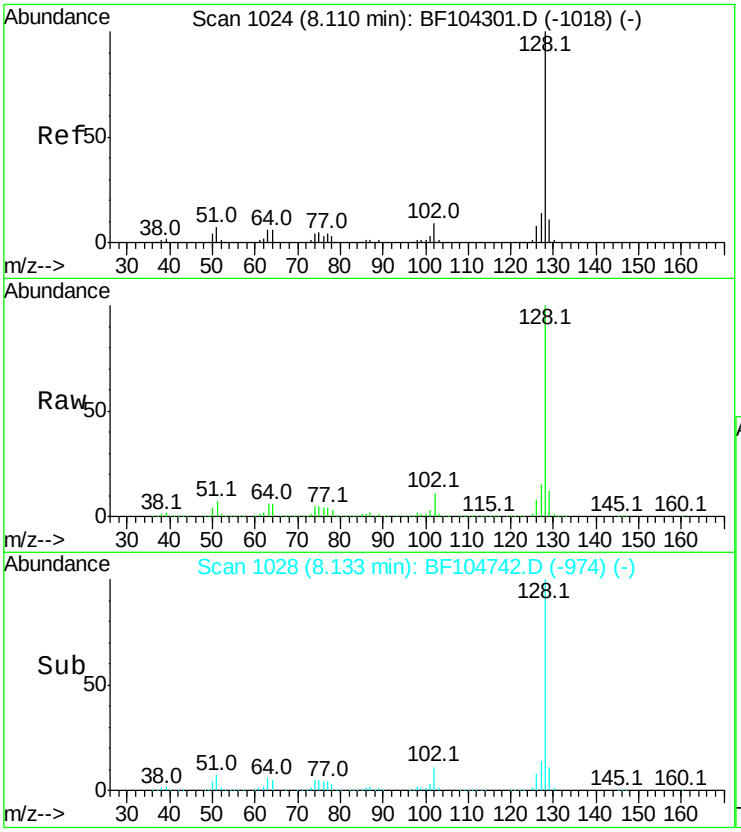




#27
2,4-Dimethylphenol
Concen: 11.345 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:122 Resp: 63442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.9 | 91.2 | 136.8 |
| 121 | 45.1 | 47.2 | 70.8# |



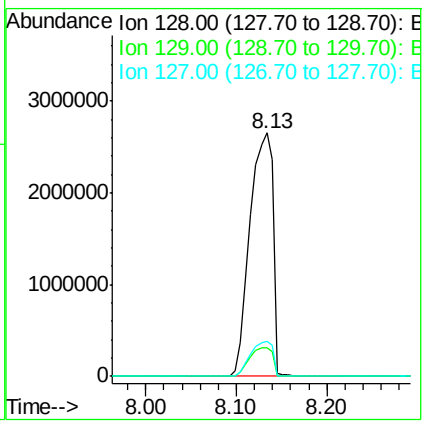


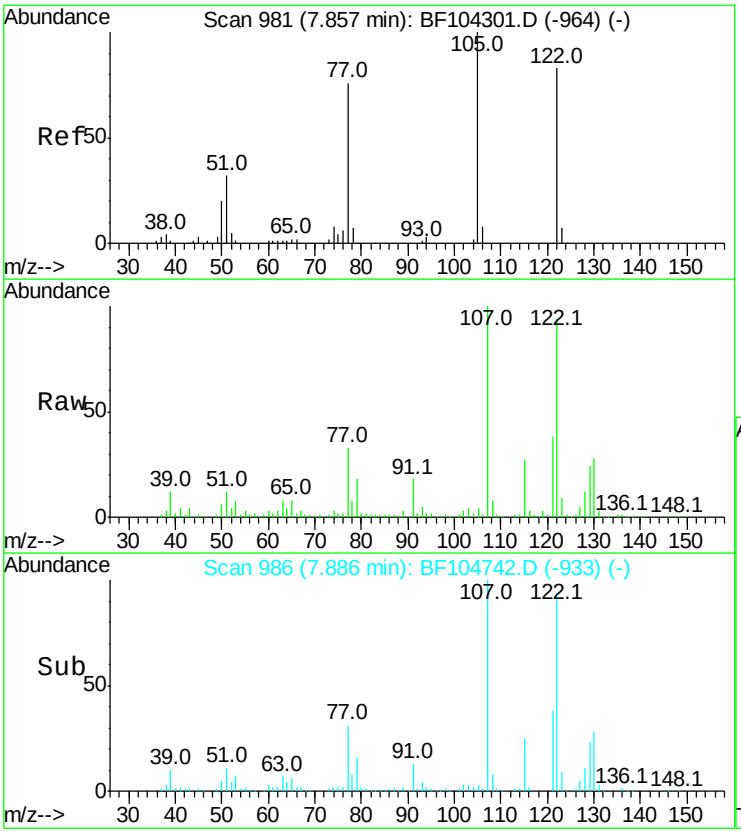

#31
Naphthalene
Concen: 239.618 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:128 Resp: 4668415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.8 | 13.2 |
| 127 | 14.5 | 10.9 | 16.3 |

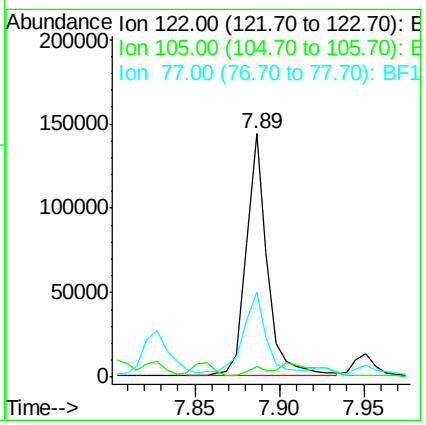


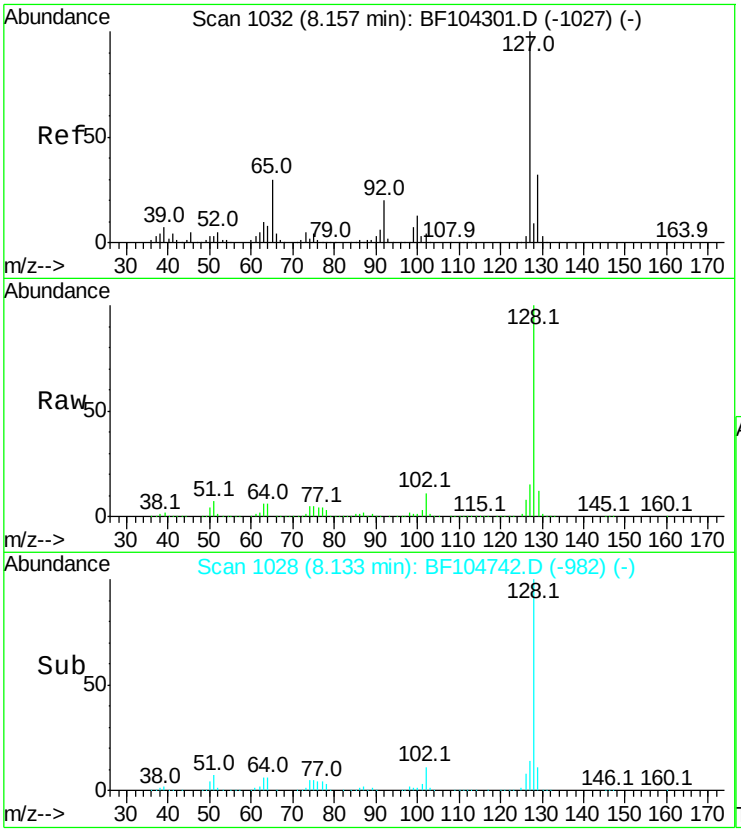




#32
Benzoic acid
Concen: 28.174 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:122 Resp: 125706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 4.1 | 101.1 | 141.1# |
| 77 | 35.0 | 70.7 | 110.7# |



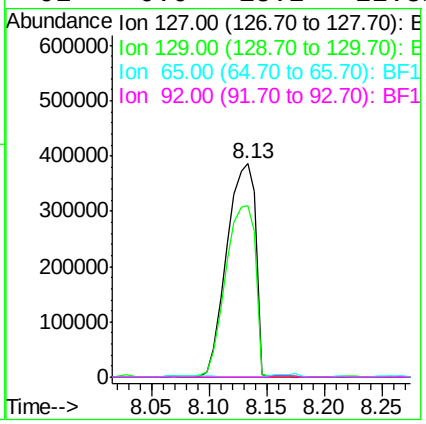


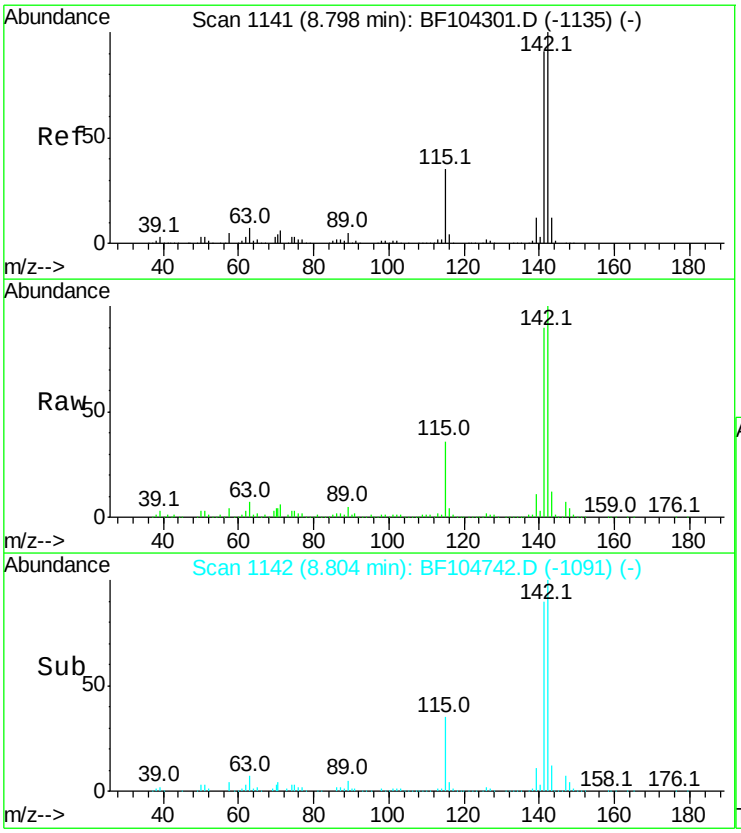

#33
4-Chloroaniline
Concen: 79.336 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:127 Resp: 662199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 80.1 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.0 | 15.2 | 22.8# |

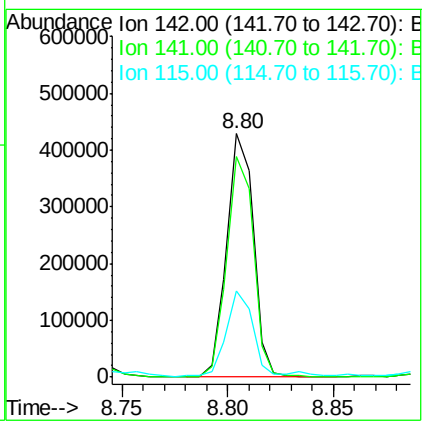


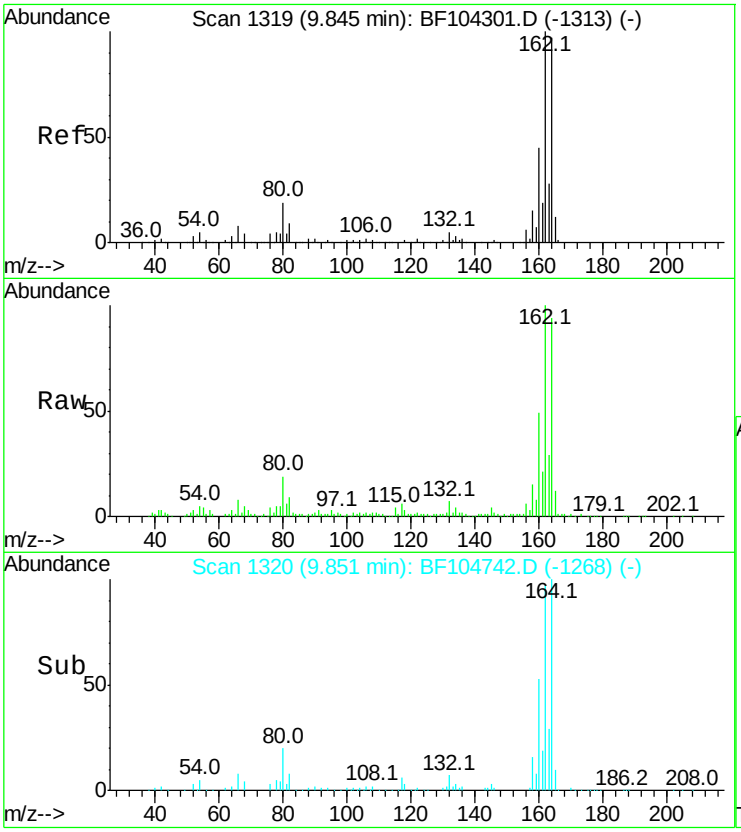




#37
2-Methylnaphthalene
Concen: 29.598 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:142 Resp: 373010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 70.8 | 106.2 |
| 115 | 35.6 | 26.1 | 39.1 |



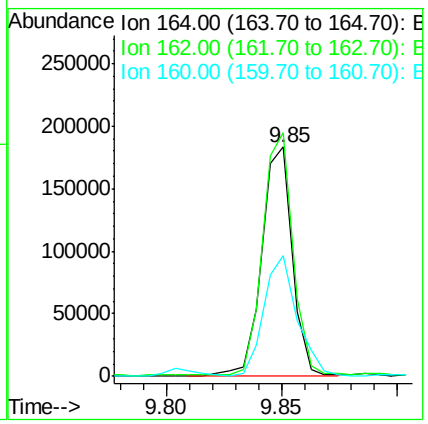


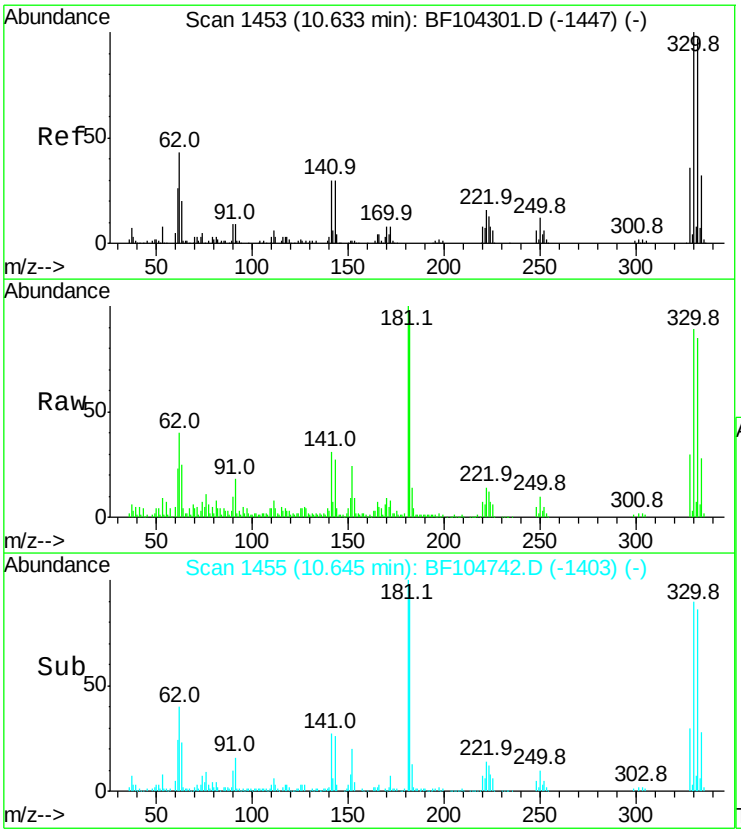

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:164 Resp: 170042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.3 | 86.1 | 129.1 |
| 160 | 52.6 | 38.3 | 57.5 |

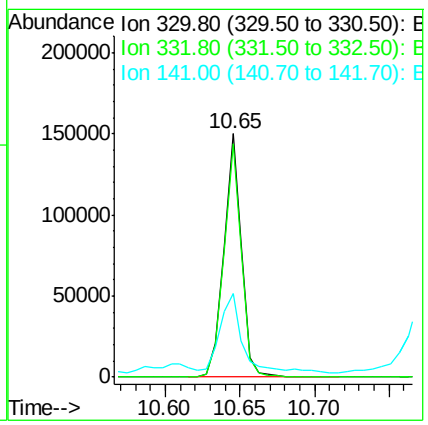


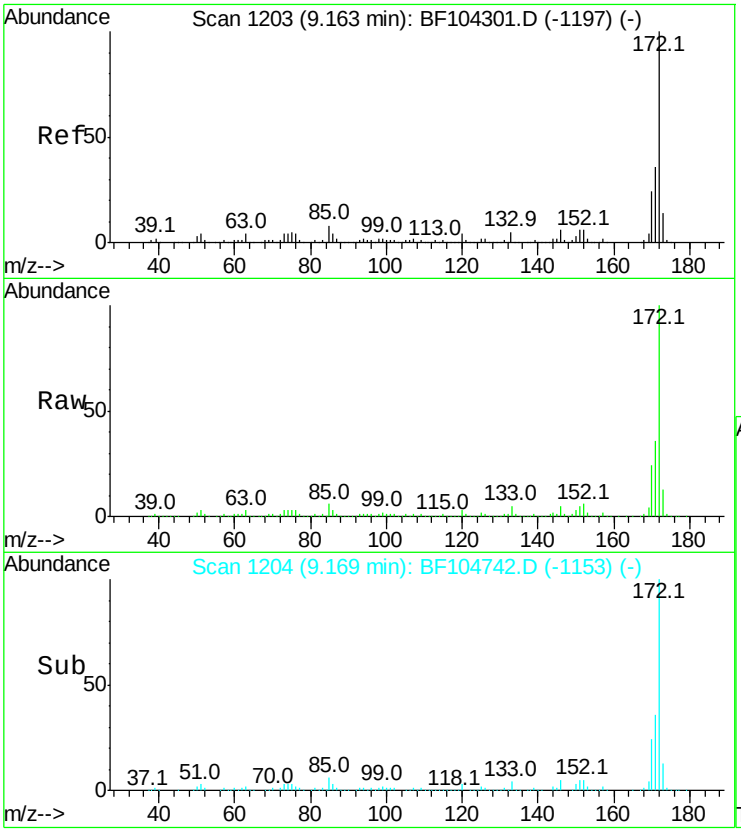




#41
2,4,6-Tribromophenol
Concen: 71.508 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:330 Resp: 126132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 77.0 | 115.6 |
| 141 | 41.2 | 29.9 | 44.9 |



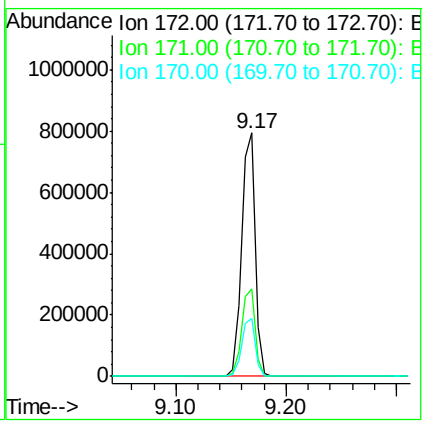


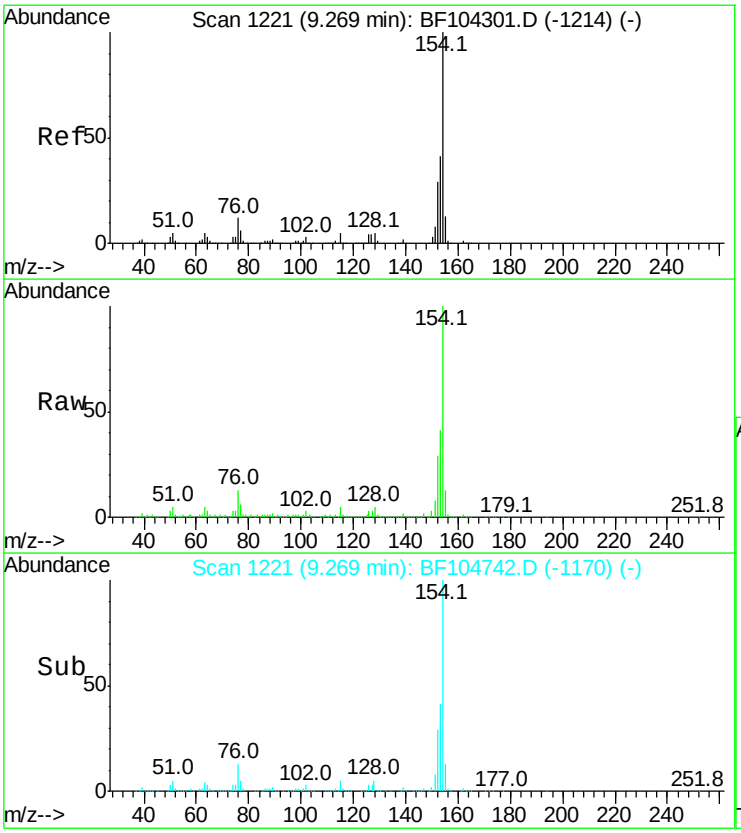

#44
2-Fluorobiphenyl
Concen: 63.726 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:172 Resp: 685938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 29.7 | 44.5 |
| 170 | 23.7 | 19.6 | 29.4 |

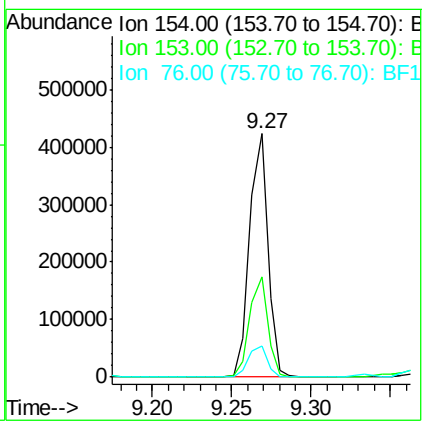


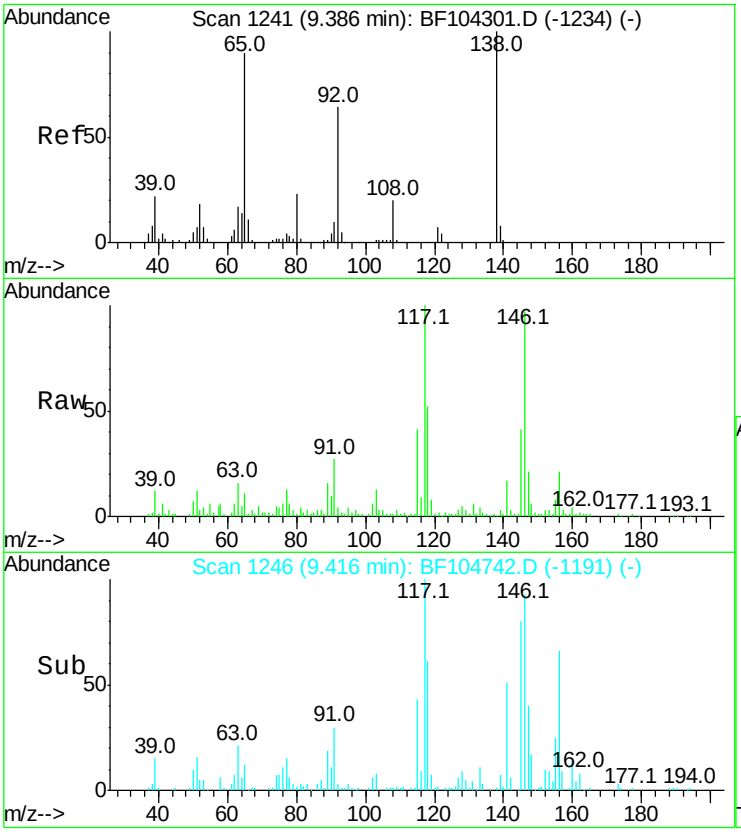




#45
1,1'-Biphenyl
Concen: 23.936 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:154 Resp: 341918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 21.3 | 61.3 |
| 76 | 12.7 | 0.0 | 34.0 |



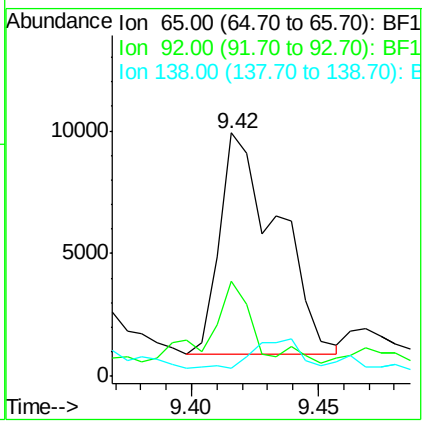


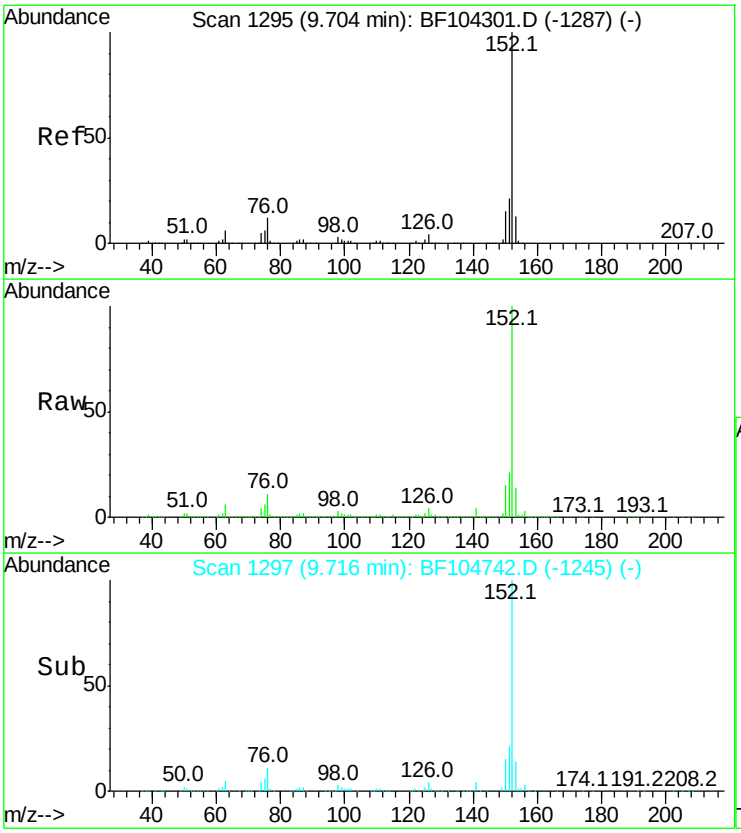

#47
2-Nitroaniline
Concen: 5.133 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion: 65 Resp: 14324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 38.9 | 55.8 | 83.6# |
| 138 | 3.2 | 91.2 | 136.8# |

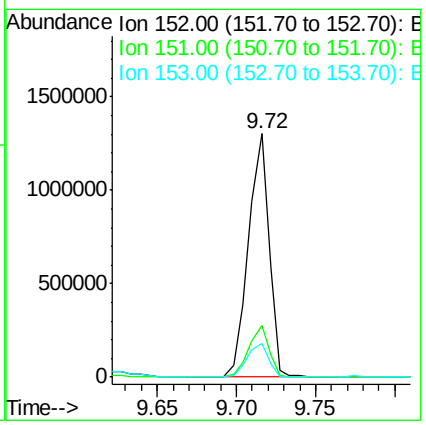


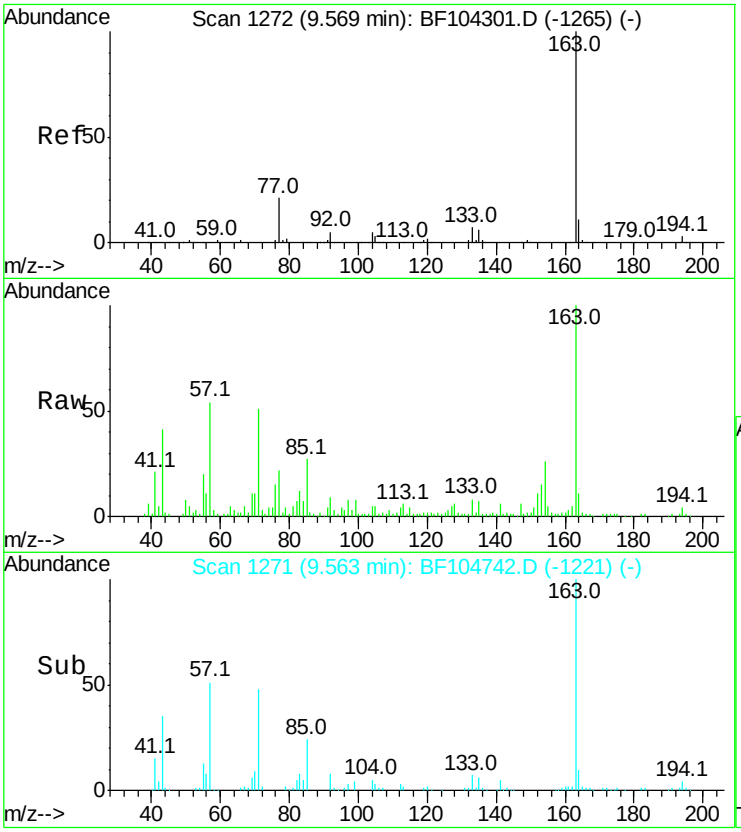




#48
Acenaphthylene
Concen: 66.575 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:152 Resp: 1178572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 16.3 | 24.5 |
| 153 | 13.7 | 10.7 | 16.1 |



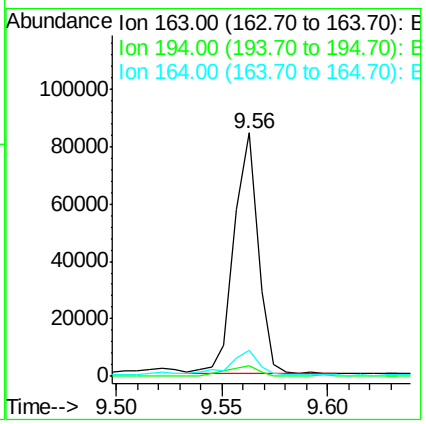


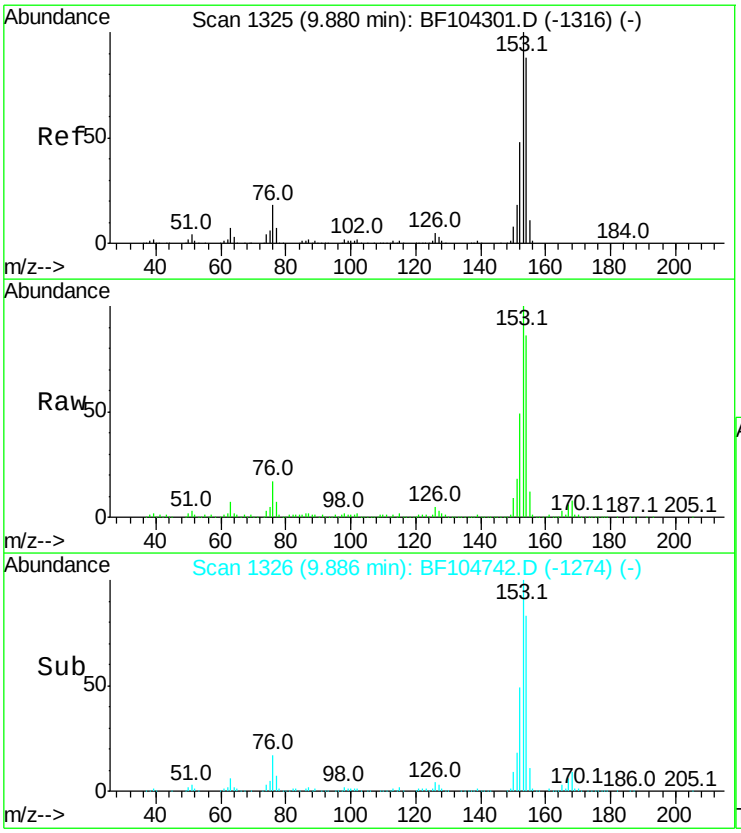

#49
Dimethylphthalate
Concen: 4.965 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:163 Resp: 66578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 2.7 | 4.1# |
| 164 | 10.9 | 8.2 | 12.2 |

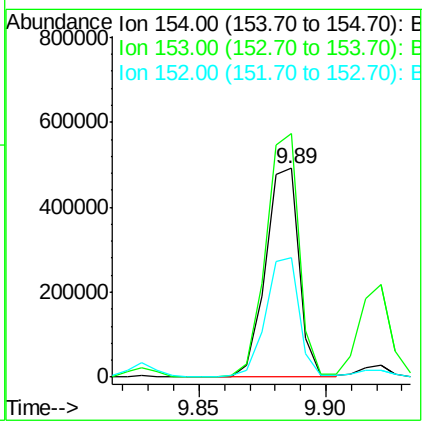


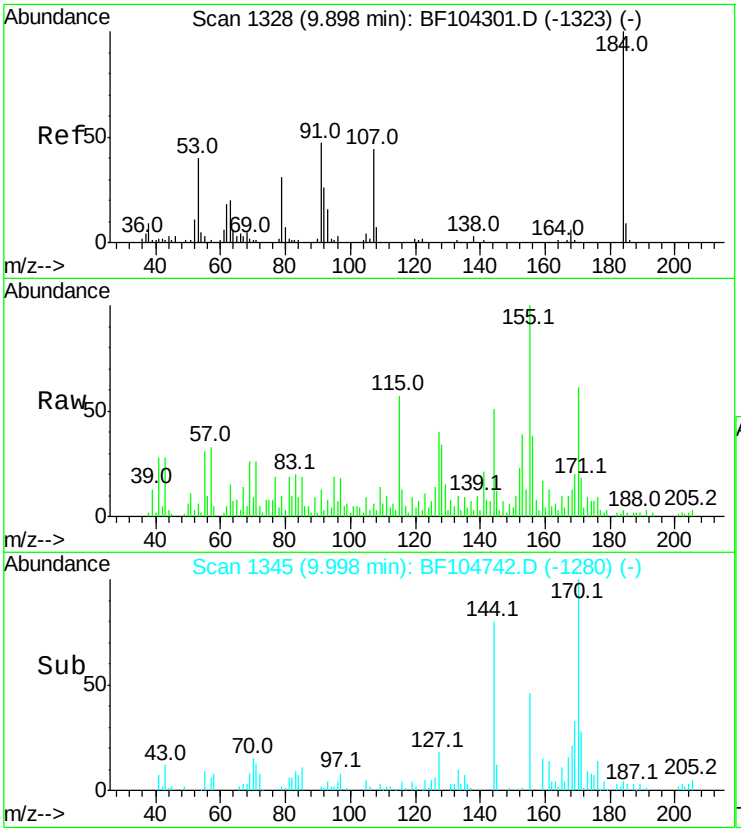




#51
Acenaphthene
Concen: 41.830 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:154 Resp: 451807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.5 | 91.2 | 136.8 |
| 152 | 57.3 | 43.8 | 65.8 |



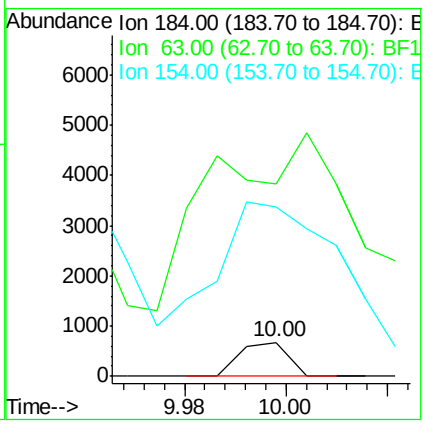


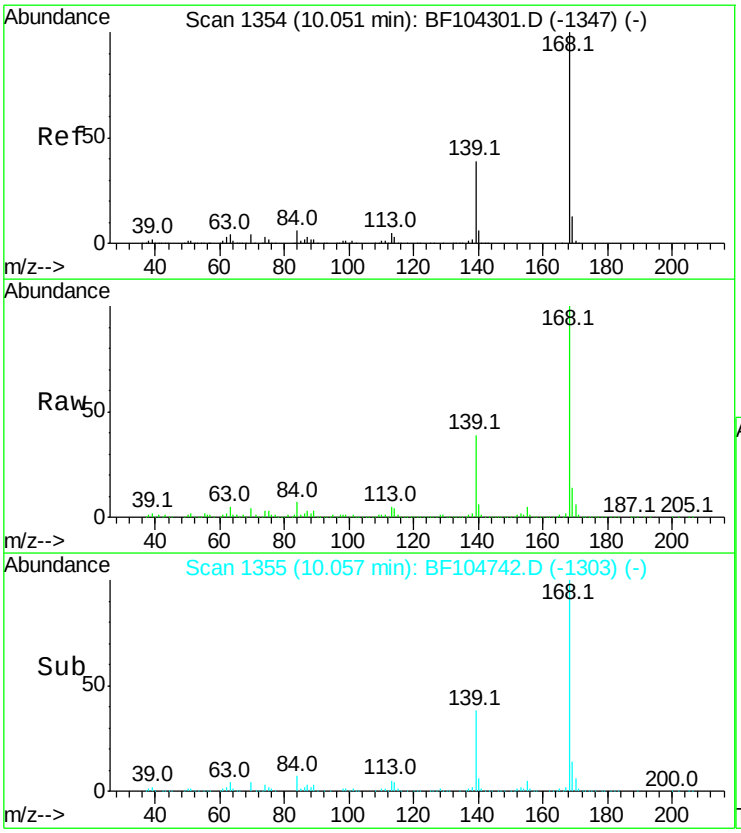

#53
2,4-Dinitrophenol
Concen: 5.785 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.08 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:184 Resp: 447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 562.7 | 54.2 | 81.2# |
| 154 | 496.0 | 184.0 | 276.0# |

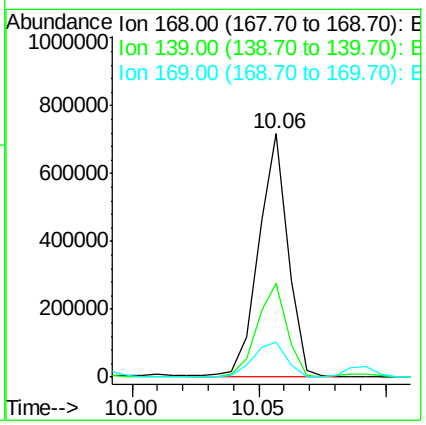


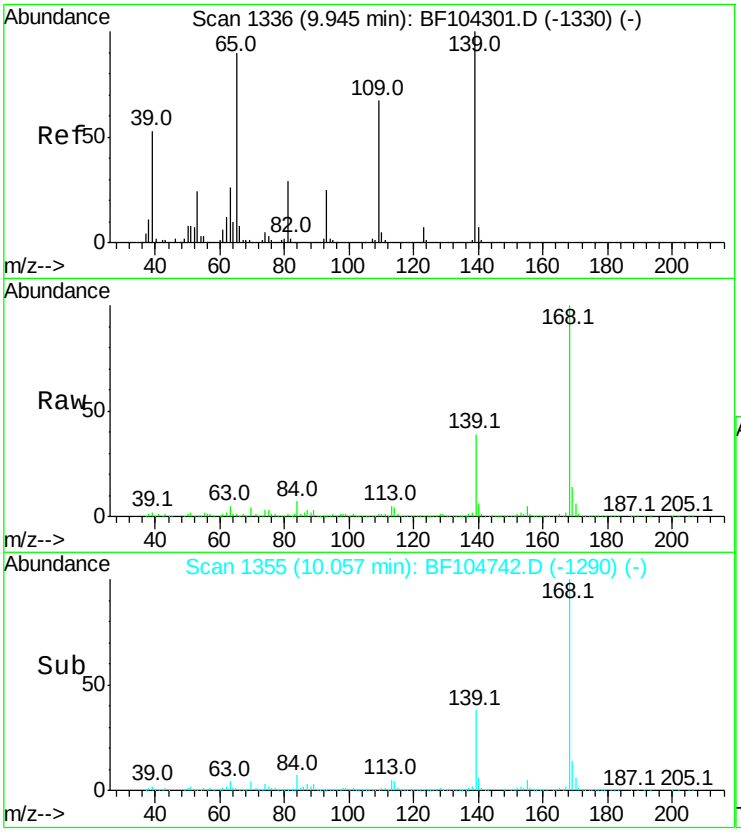




#54
Dibenzofuran
Concen: 37.931 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:168 Resp: 570948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 30.1 | 45.1 |
| 169 | 14.4 | 10.9 | 16.3 |



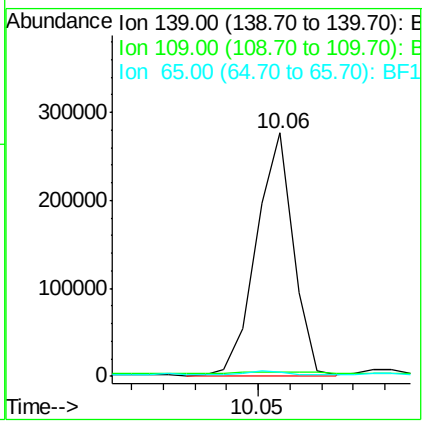


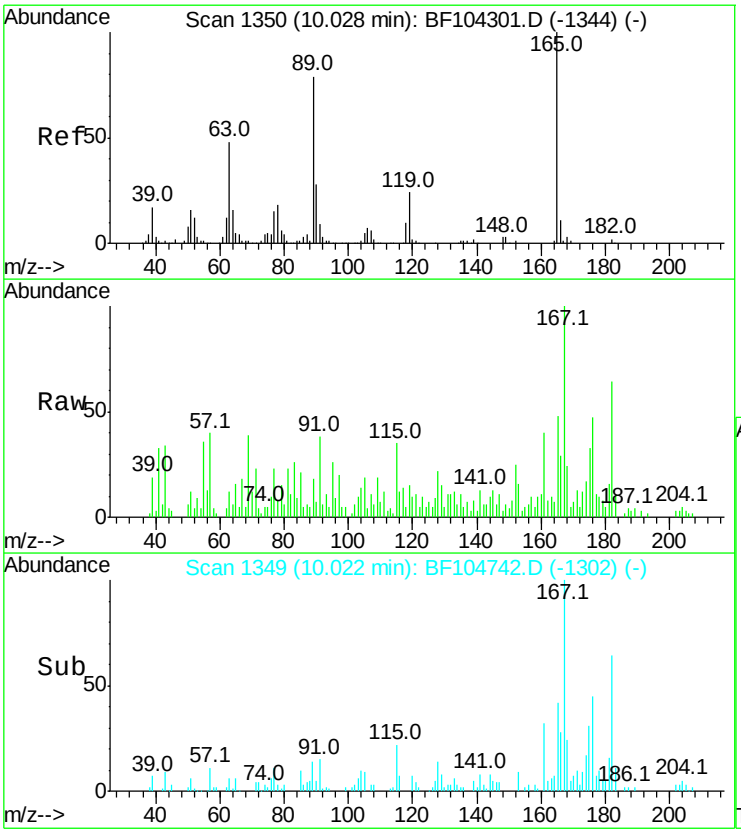

#55
4-Nitrophenol
Concen: 97.941 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.08 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:139 Resp: 223480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 1.8 | 48.4 | 88.4# |
| 65 | 1.9 | 72.6 | 112.6# |

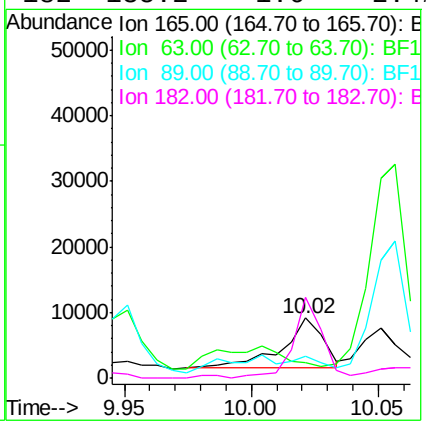


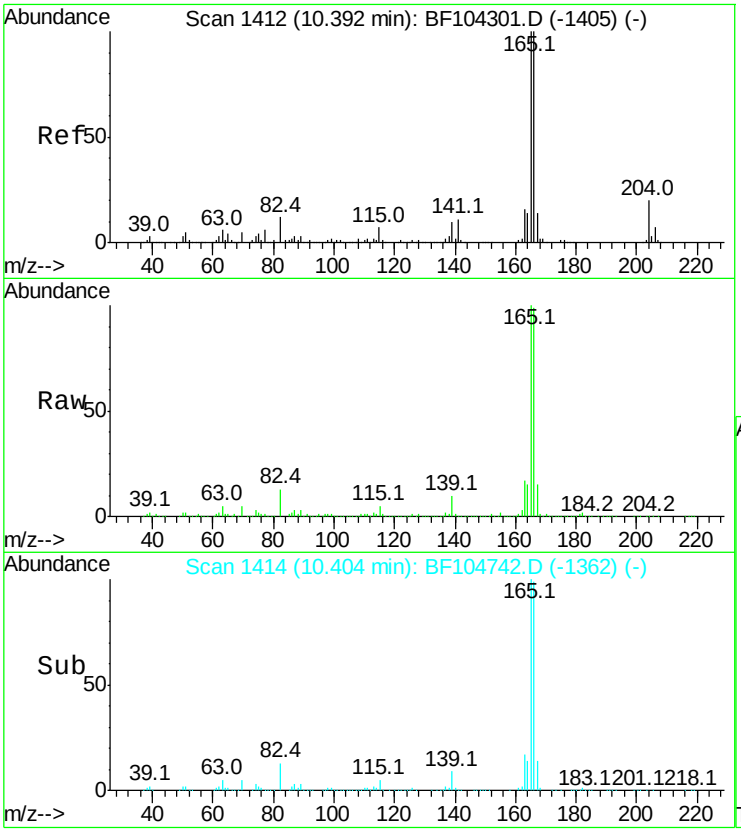




#56
2,4-Dinitrotoluene
Concen: 2.622 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:165 Resp: 8535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 25.2 | 36.4 | 54.6# |
| 89 | 37.0 | 57.8 | 86.6# |
| 182 | 135.2 | 1.6 | 2.4# |



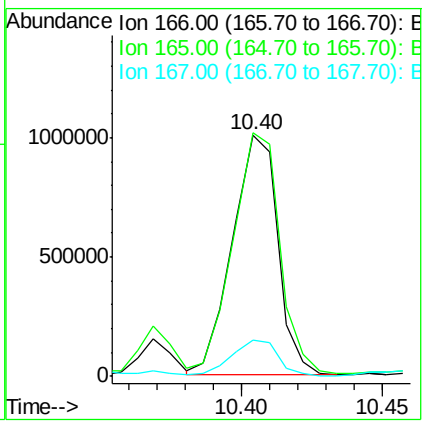


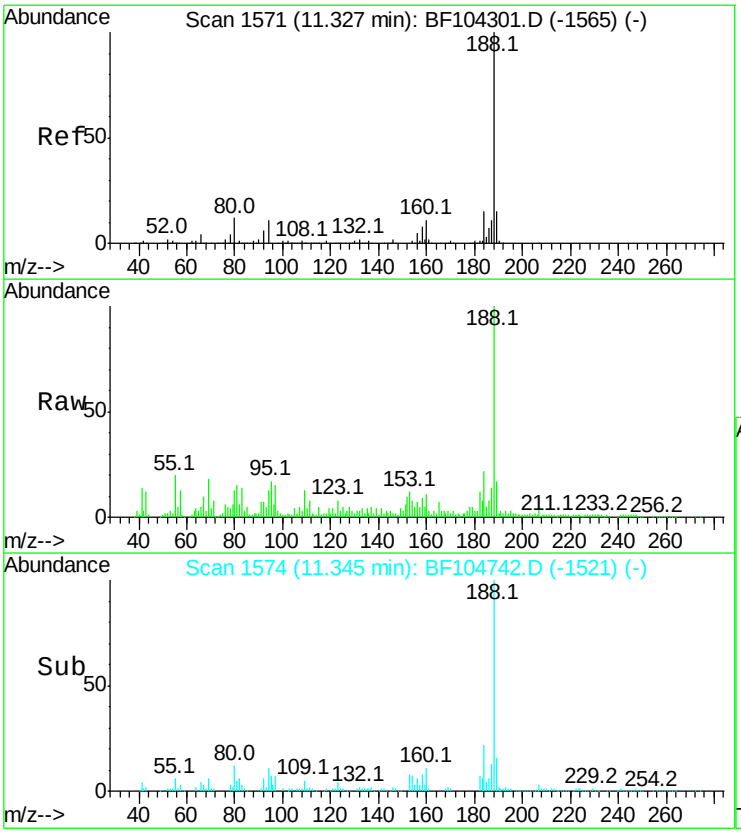

#57
Fluorene
Concen: 102.606 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:166 Resp: 1124181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.8 | 79.8 | 119.8 |
| 167 | 15.1 | 10.6 | 16.0 |

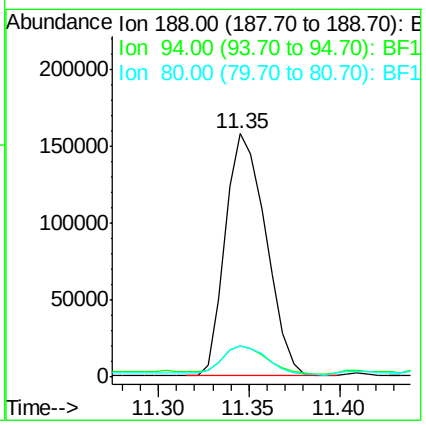


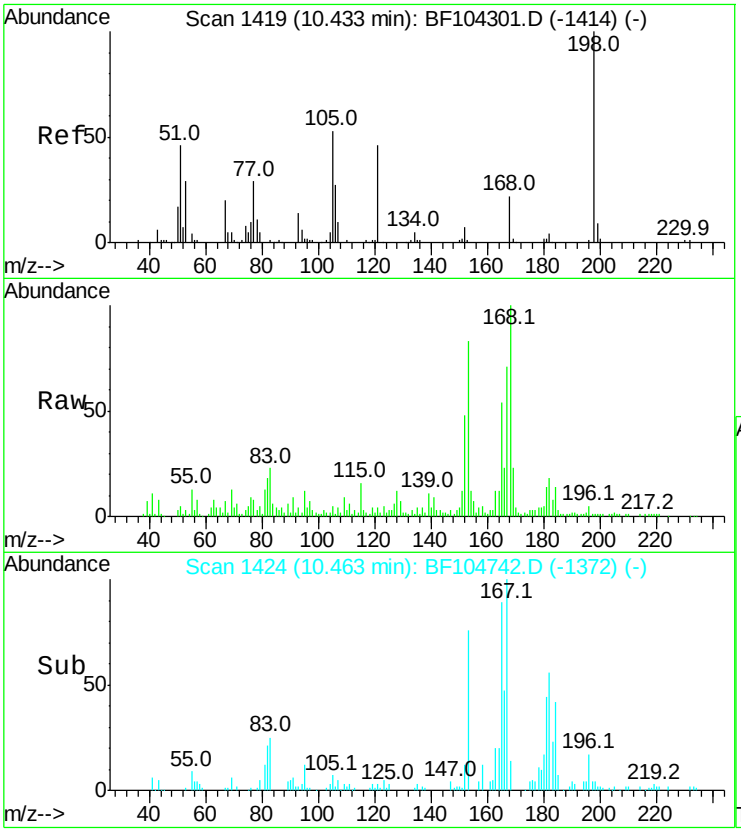




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:188 Resp: 244966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.6 | 8.5 | 12.7 |
| 80 | 13.0 | 9.2 | 13.8 |



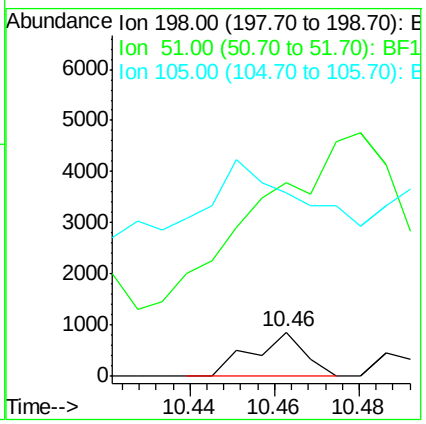


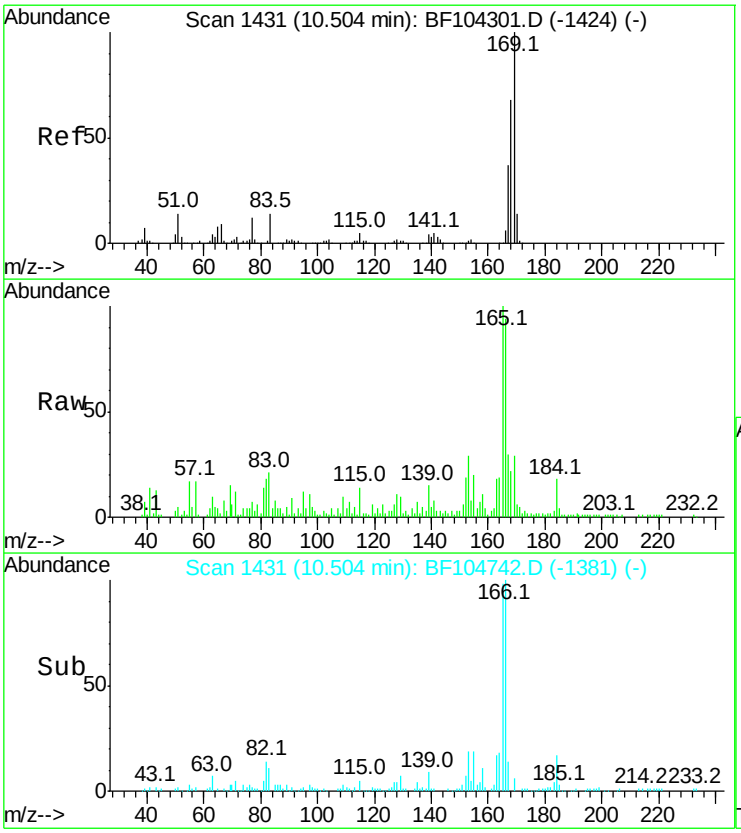

#64
4,6-Dinitro-2-methylphenol
Concen: 7.877 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:198 Resp: 747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 437.6 | 37.7 | 77.7# |
| 105 | 412.7 | 36.3 | 76.3# |

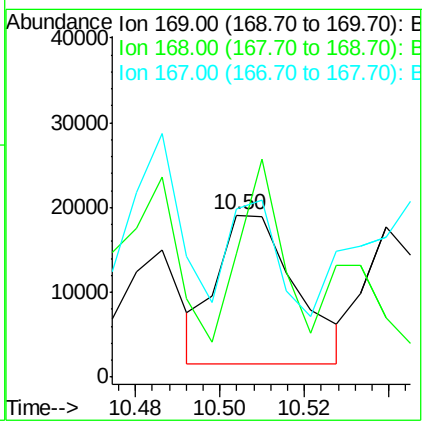


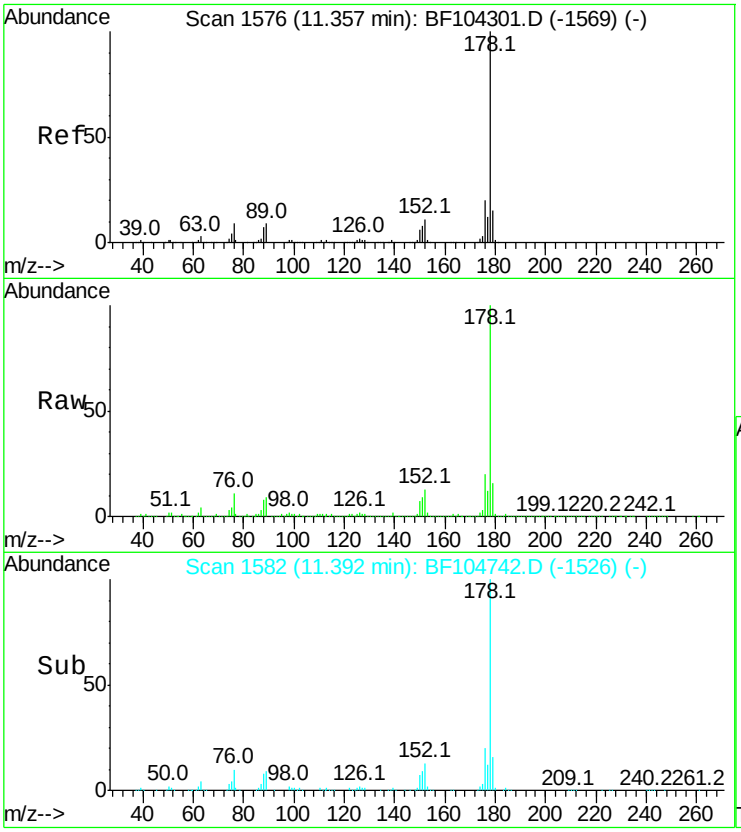




#65
n-Nitrosodiphenylamine
Concen: 2.695 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:169 Resp: 22890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 76.2 | 54.4 | 81.6 |
| 167 | 103.6 | 29.8 | 44.6# |



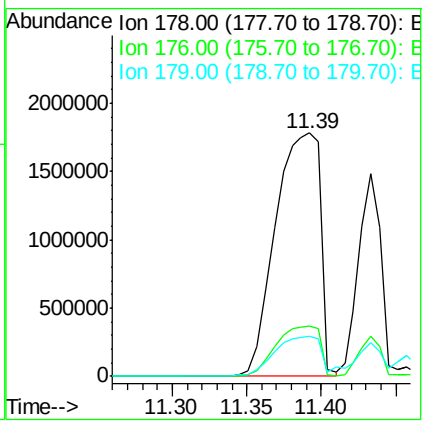


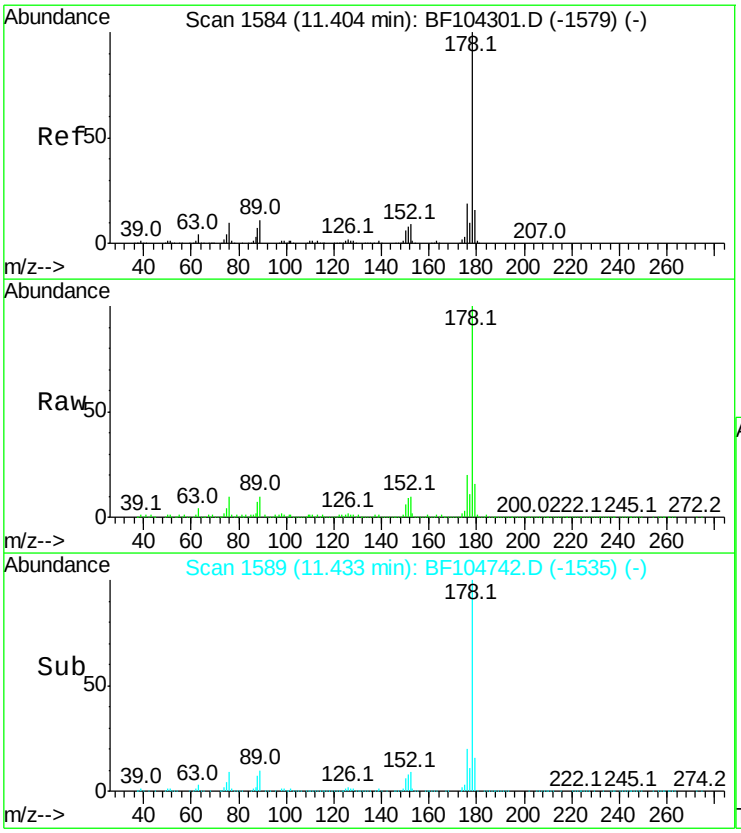

#70
Phenanthrene
Concen: 271.033 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.03 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:178 Resp: 3697431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.8 | 23.8 |
| 179 | 16.3 | 13.0 | 19.6 |

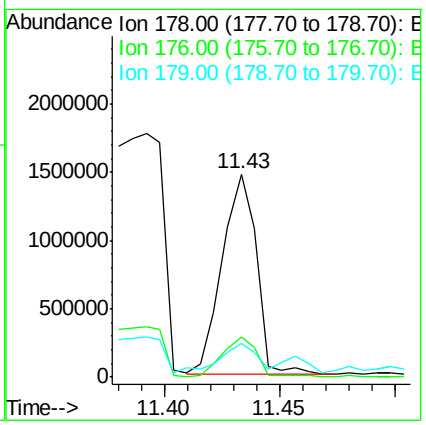


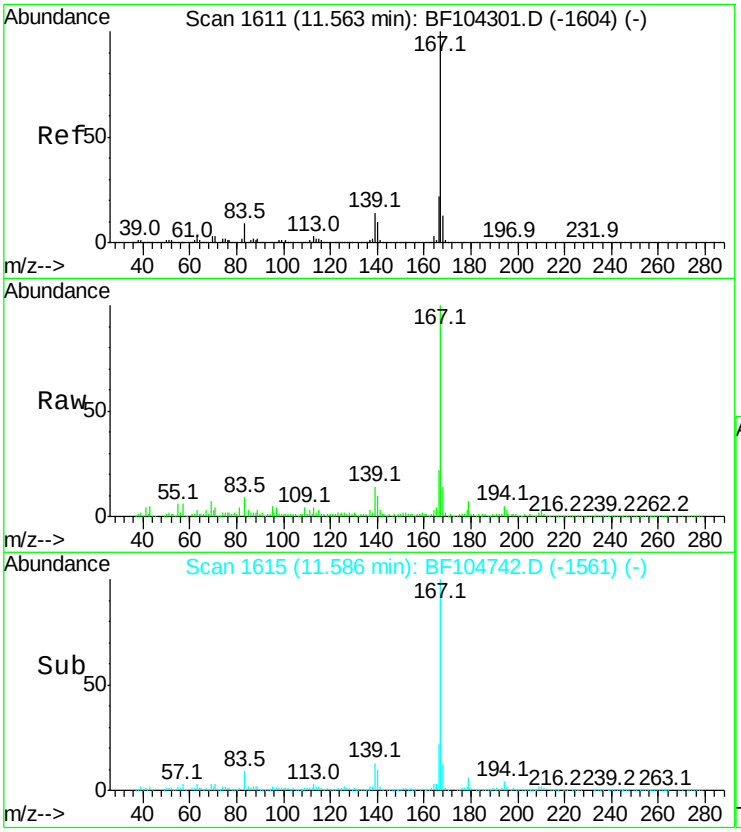




#71
Anthracene
Concen: 109.496 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:178 Resp: 1518411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.2 |
| 179 | 16.5 | 12.6 | 19.0 |



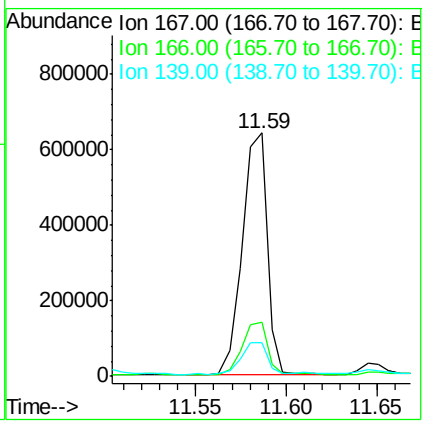


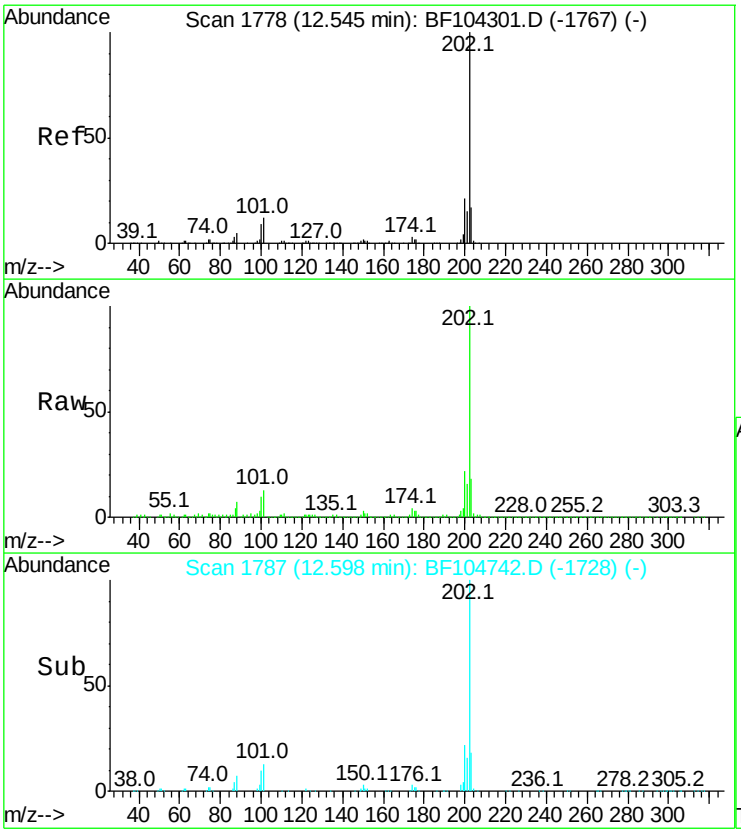

#72
Carbazole
Concen: 45.310 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:167 Resp: 613989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.3 | 17.6 | 26.4 |
| 139 | 13.9 | 10.9 | 16.3 |

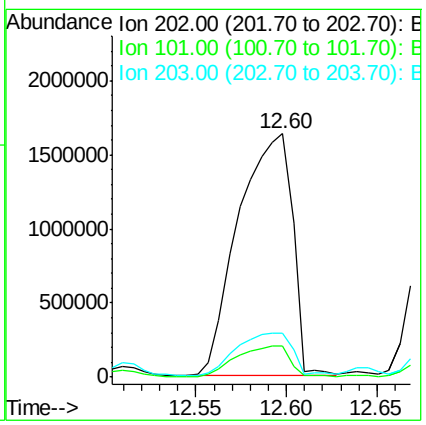


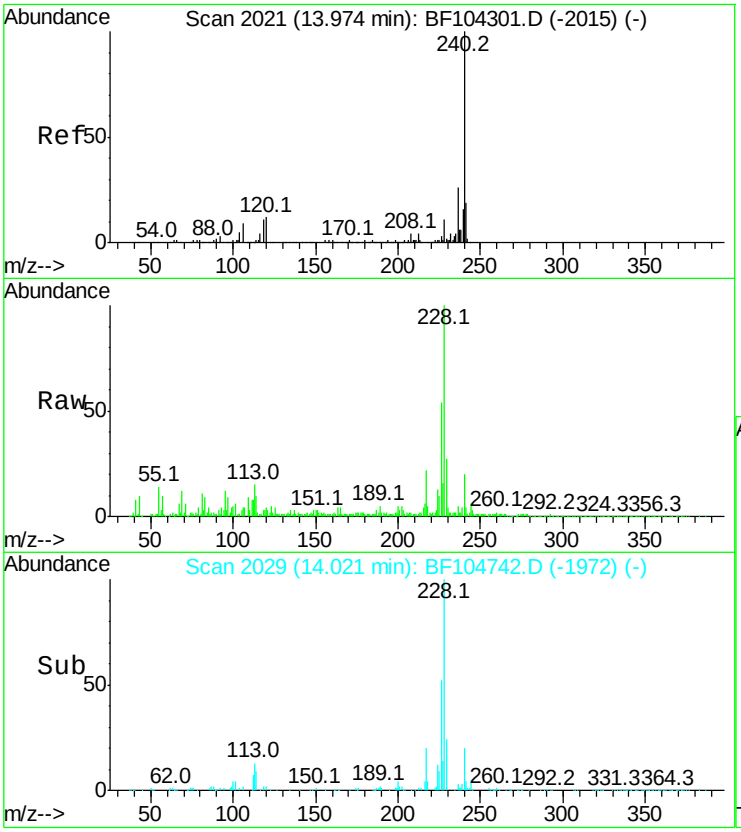




#74
Fluoranthene
Concen: 236.385 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.05 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:202 Resp: 3369255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 34.1 |
| 203 | 18.0 | 0.0 | 38.1 |



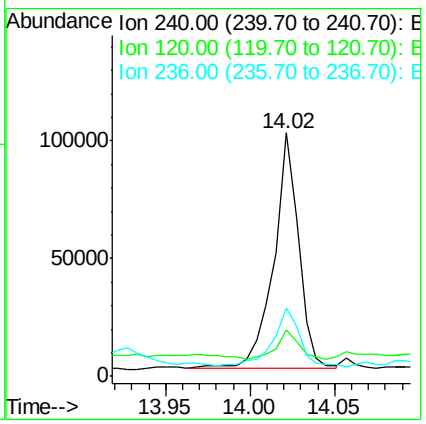


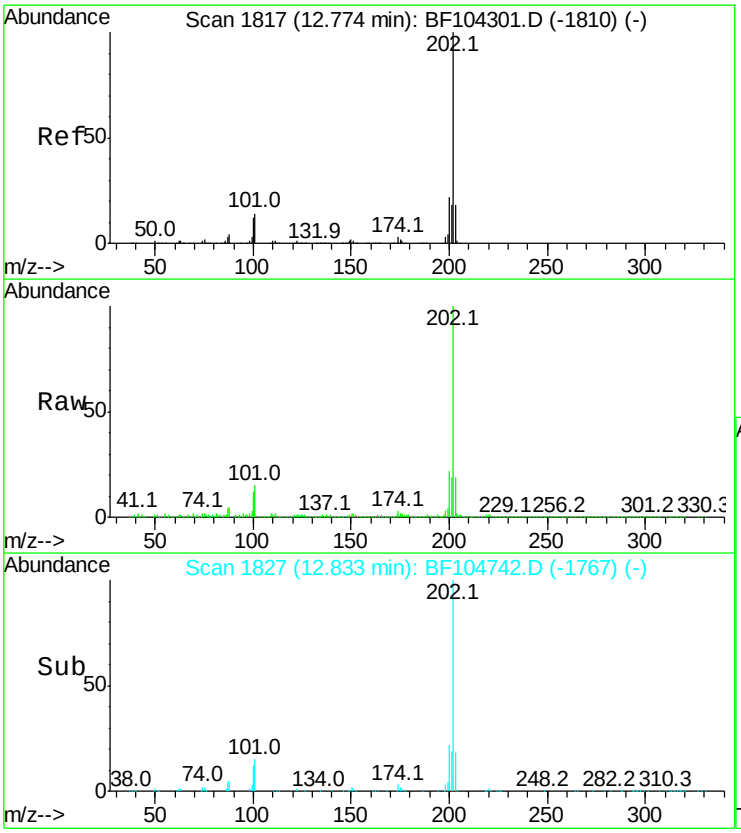

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.04 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:240 Resp: 100996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 19.2 | 9.5 | 14.3# |
| 236 | 27.9 | 20.7 | 31.1 |

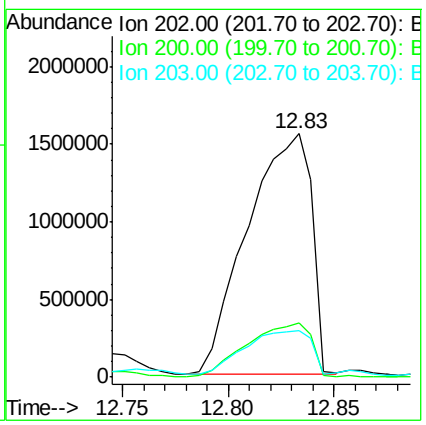


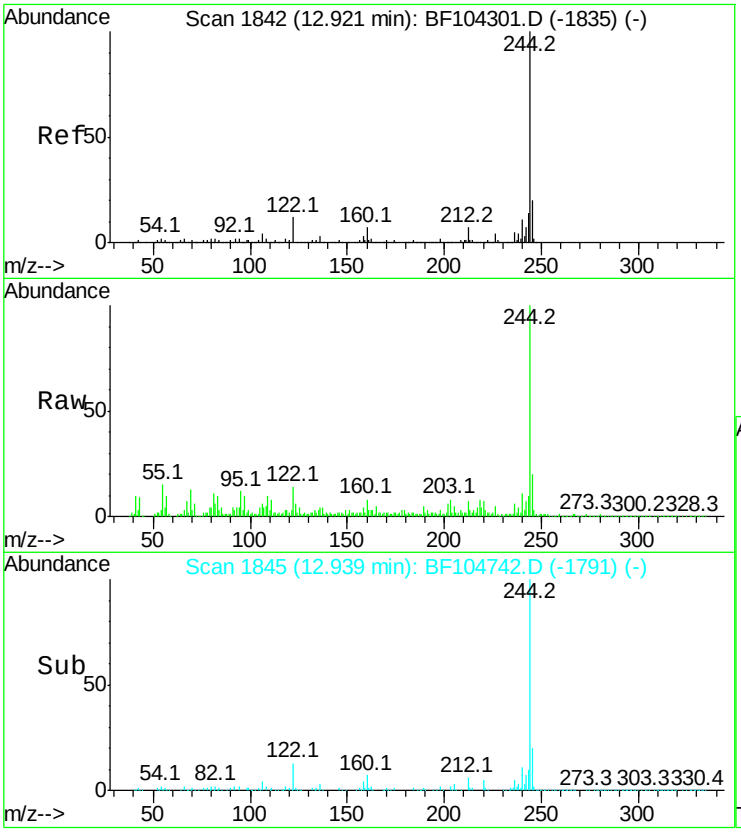




#77
Pyrene
Concen: 438.366 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.05 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:202 Resp: 3281682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.4 | 26.2 |
| 203 | 19.2 | 14.3 | 21.5 |



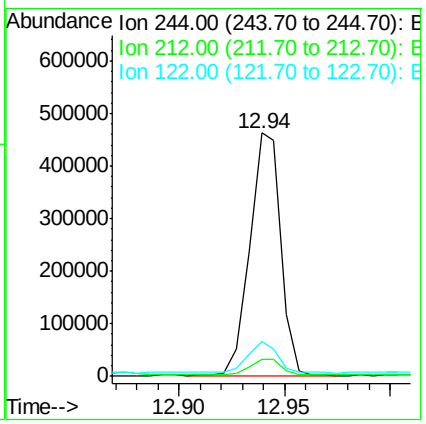


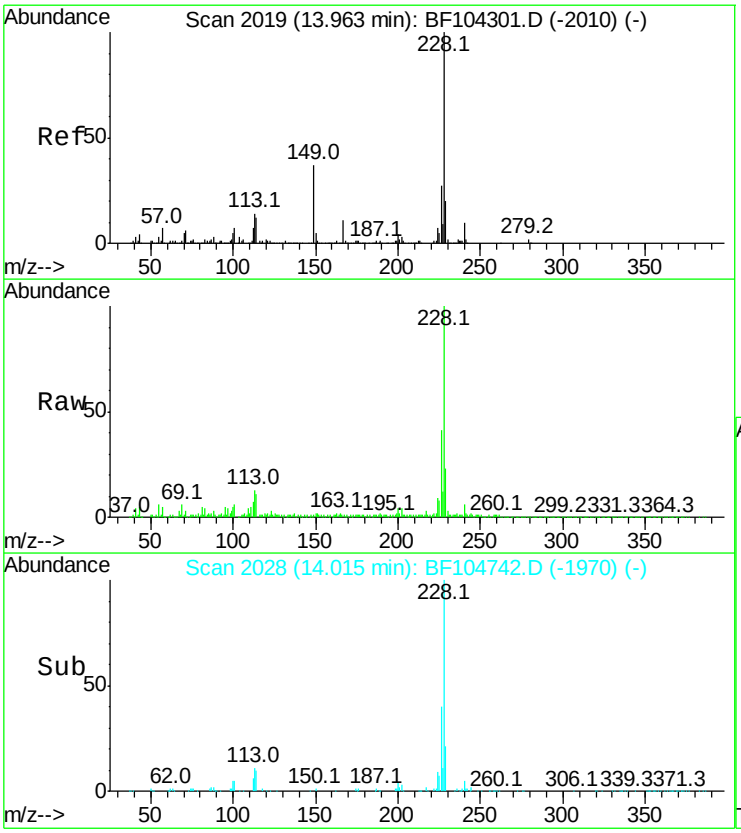

#78
Terphenyl-d14
Concen: 105.783 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.02 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:244 Resp: 468615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.0 |
| 122 | 14.2 | 11.0 | 16.4 |

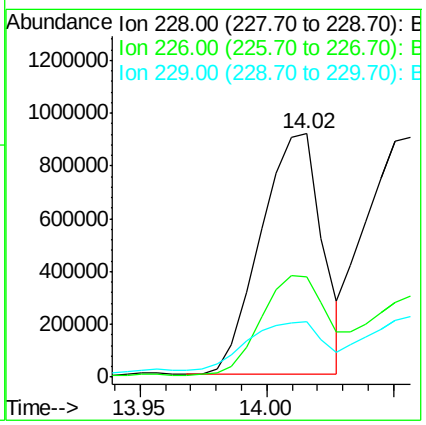


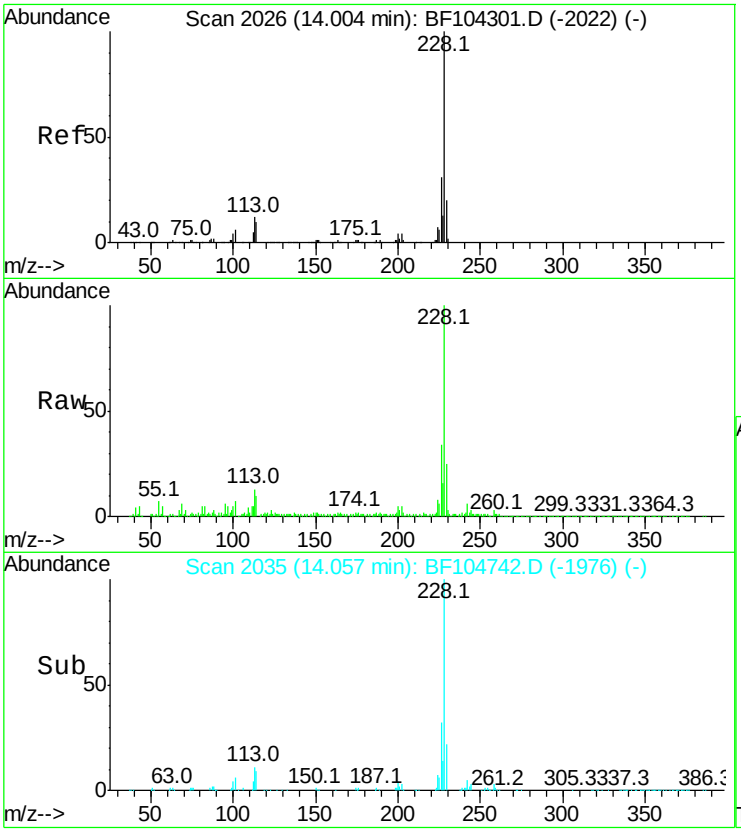




#80
Benzo(a)anthracene
Concen: 255.571 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:228 Resp: 1542013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 40.9 | 22.6 | 33.8# |
| 229 | 22.7 | 15.8 | 23.6 |



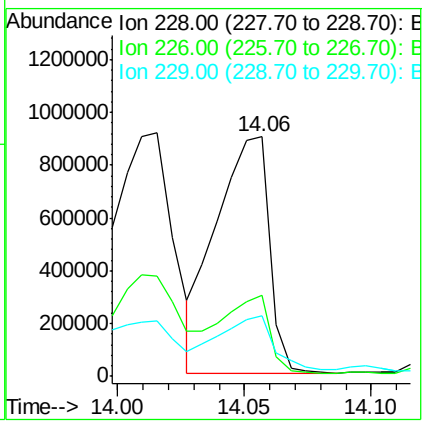


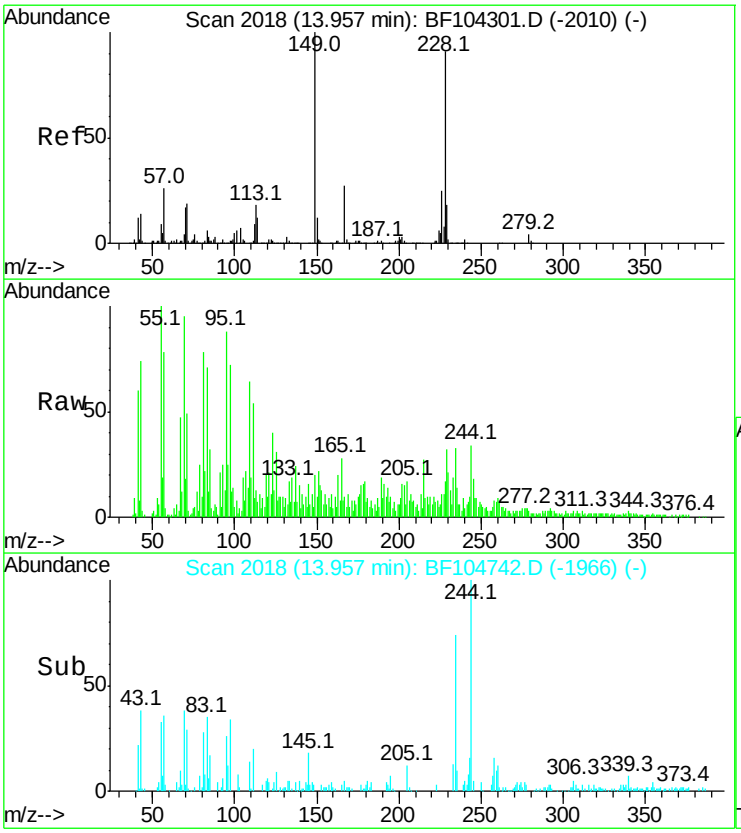

#82
Chrysene
Concen: 212.726 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.05 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:228 Resp: 1318355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.7 | 25.0 | 37.6 |
| 229 | 25.2 | 16.2 | 24.4# |

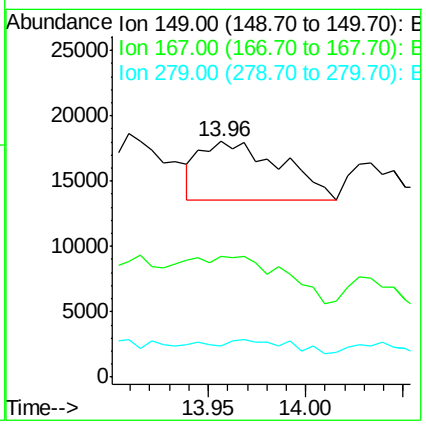


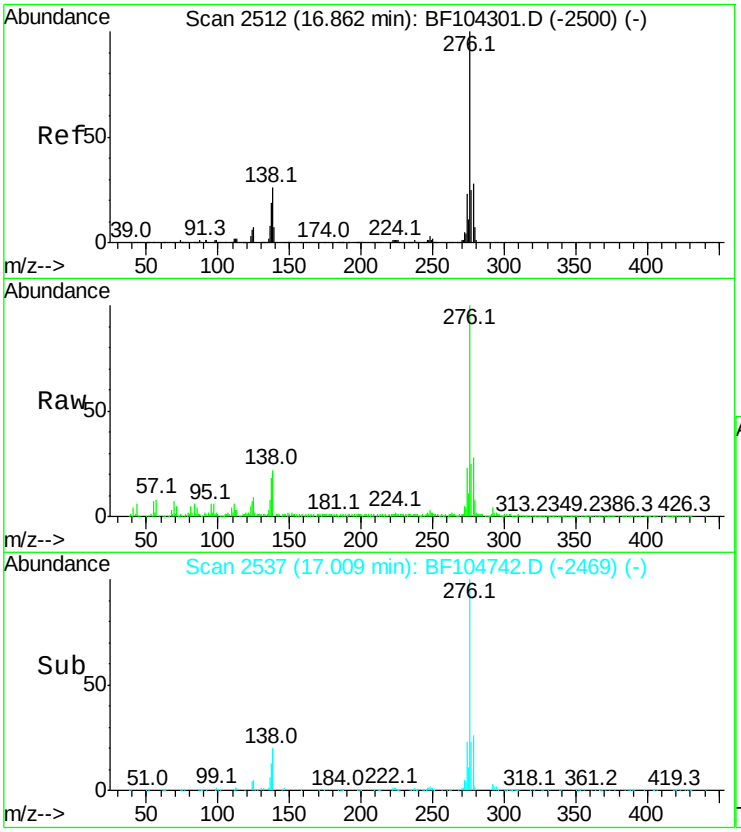




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.887 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:149 Resp: 13095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 51.2 | 21.3 | 31.9# |
| 279 | 13.1 | 3.0 | 4.4# |



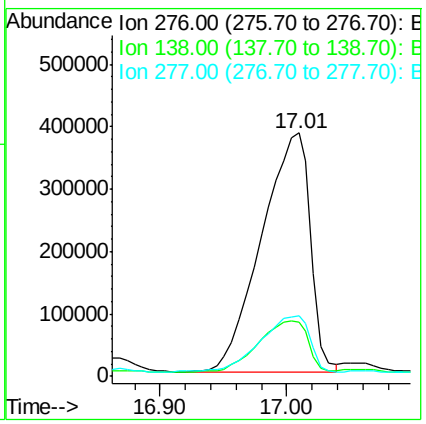


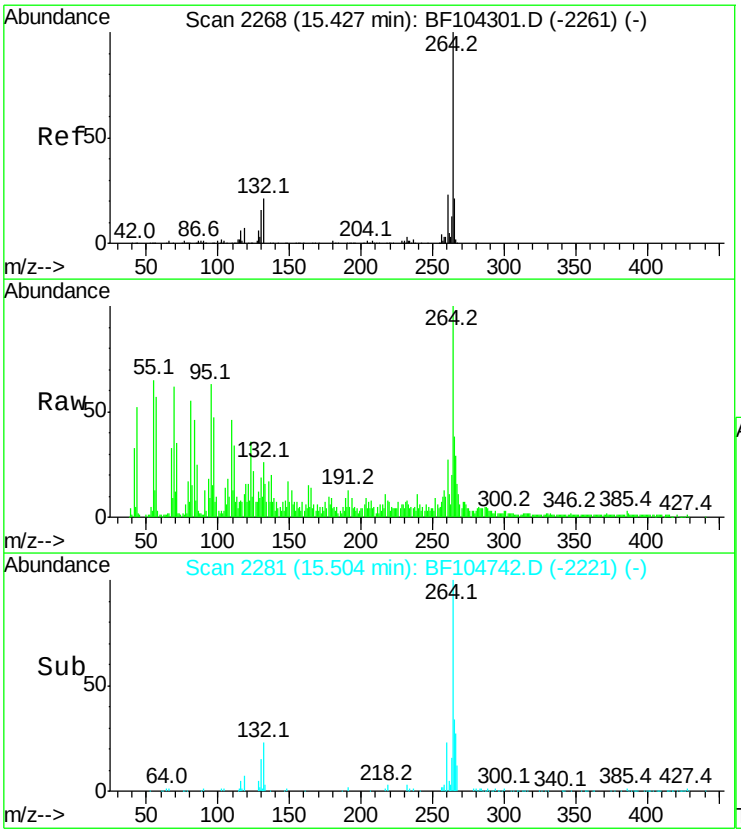

#85
Indeno(1,2,3-cd)pyrene
Concen: 195.339 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.10 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:276 Resp: 1028390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.3 | 25.0 | 37.6# |
| 277 | 23.9 | 20.1 | 30.1 |

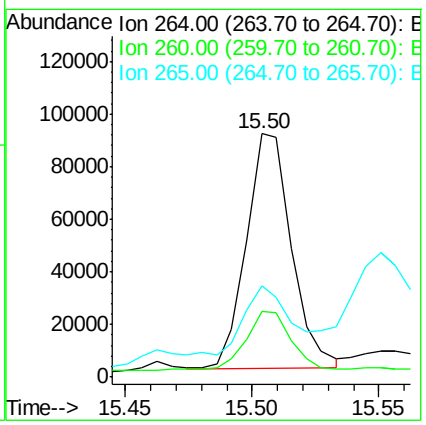


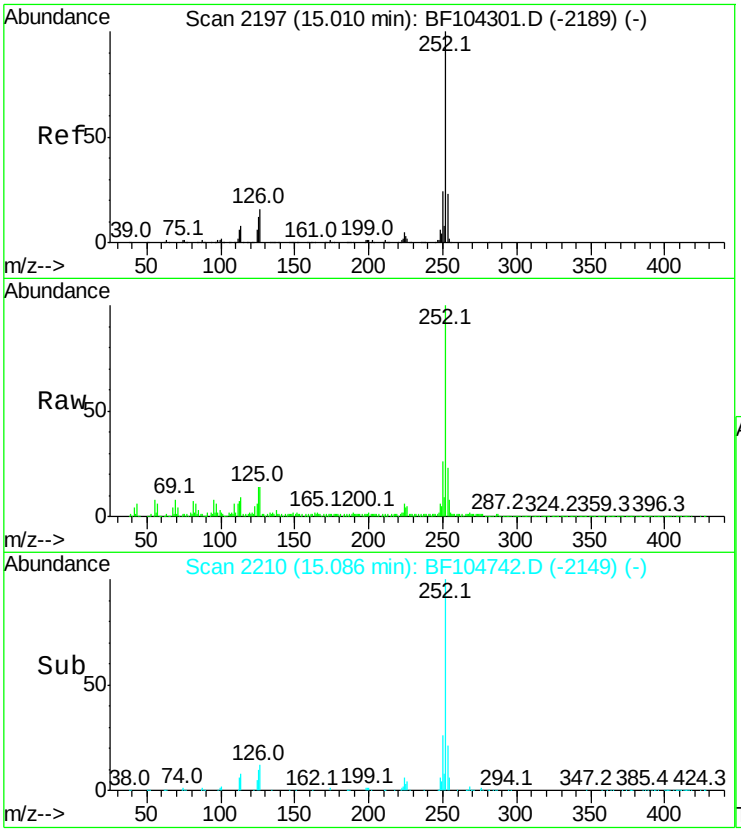




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.05 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:264 Resp: 110280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 27.0 | 19.2 | 28.8 |
| 265 | 37.6 | 17.5 | 26.3# |



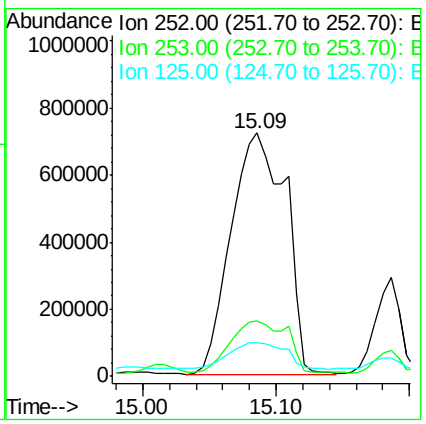


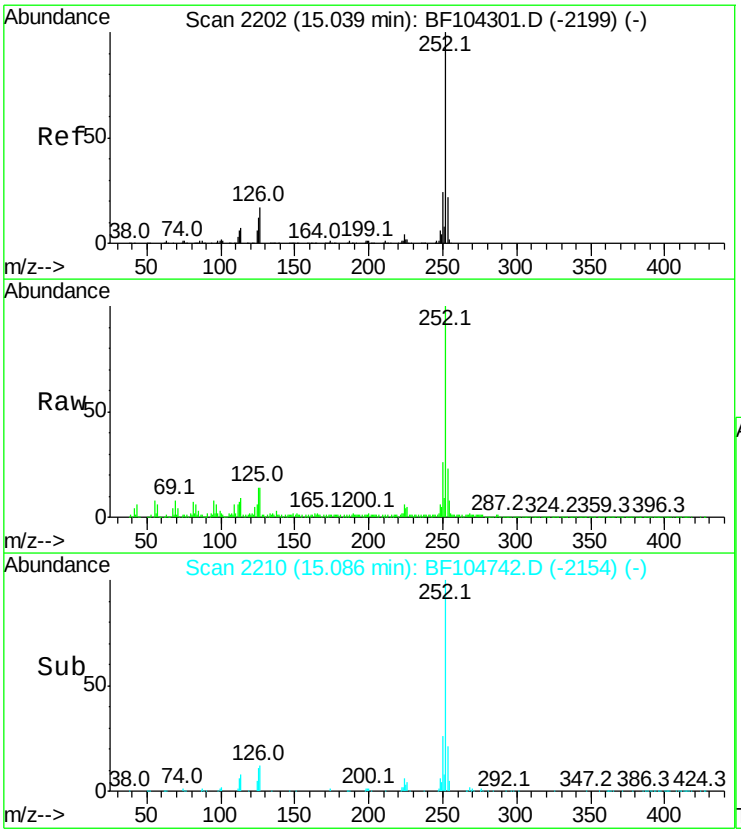

#87
Benzo(b)fluoranthene
Concen: 294.473 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.06 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:252 Resp: 2051036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.0 | 25.6 |
| 125 | 14.1 | 9.0 | 13.6# |

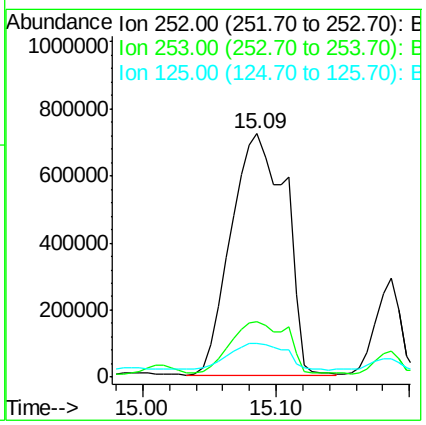


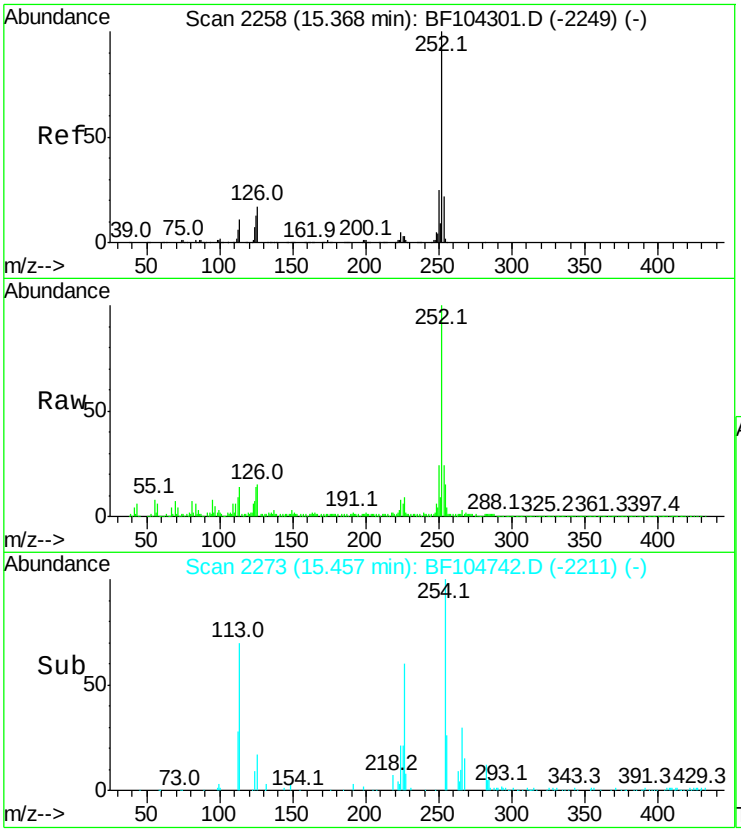




#88
Benzo(k)fluoranthene
Concen: 311.913 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:252 Resp: 2051036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.9 | 26.9 |
| 125 | 14.1 | 10.2 | 15.2 |



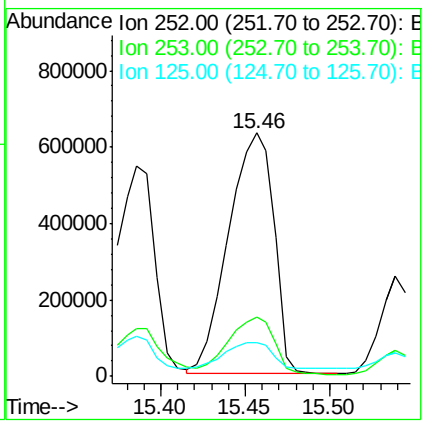


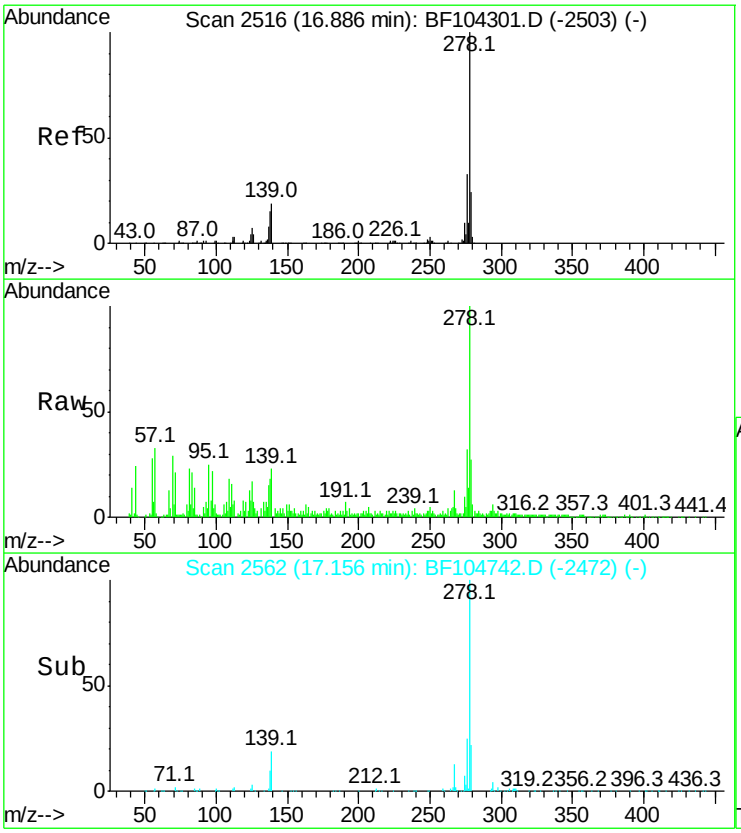

#89
Benzo(a)pyrene
Concen: 190.236 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.06 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:252 Resp: 1185554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 17.1 | 25.7 |
| 125 | 13.8 | 9.8 | 14.6 |

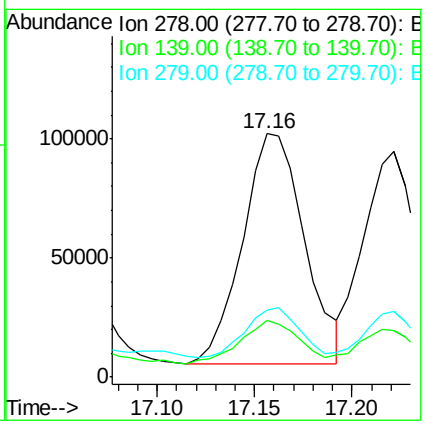


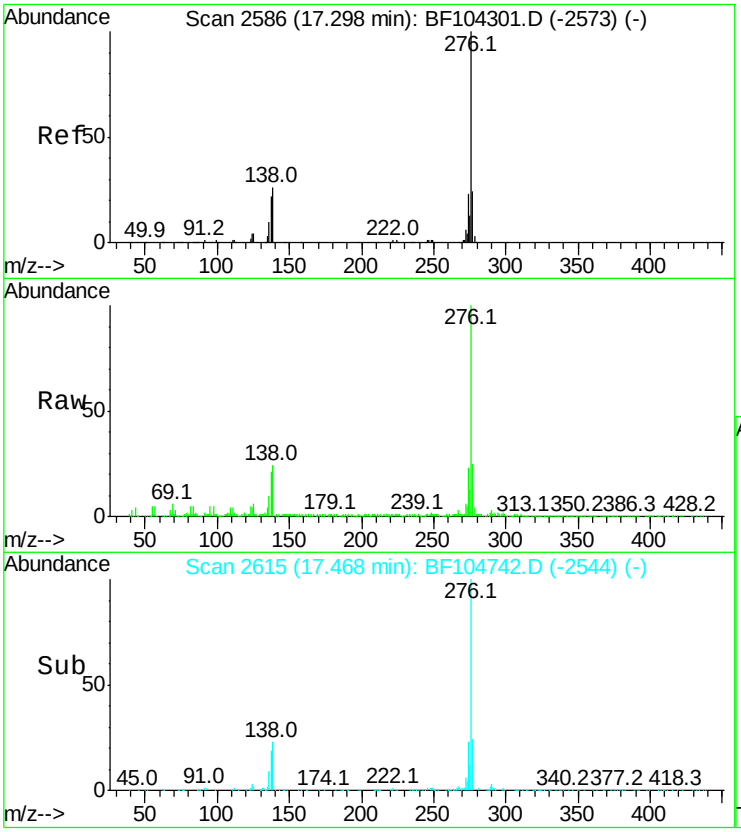




#90
Dibenzo(a,h)anthracene
Concen: 41.344 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.23 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

Tgt Ion:278 Resp: 211613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.0 | 15.9 | 23.9 |
| 279 | 27.4 | 19.0 | 28.4 |






#91
Benzo(g,h,i)perylene
Concen: 227.333 ng
RT: 17.47 min Scan# 2615
Delta R.T. 0.12 min
Lab File: BF104742.D
Acq: 24 Apr 2018 7:50

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

Tgt Ion:276 Resp: 1127311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.8 | 17.9 | 26.9 |
| 138 | 24.3 | 21.8 | 32.8 |