Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101101.D
Acq On : 4 Dec 2017 16:42
Operator : SJ/JU
Sample : I6696-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 04 17:18:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 46287 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 171402 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 79138 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 121300 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 102900 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 106481 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 63096 | 22.53 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 75206 | 22.11 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 42462 | 14.78 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 14621 | 15.38 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 86924 | 15.03 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 65244 | 13.87 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 18) Hexachloroethane | 7.38 | 117 | 4912 | 4.15 | ng | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 5695 | 2.49 | ng | # | 82 |
| 25) Isophorone | 7.41 | 82 | 42202 | 8.60 | ng | # | 64 |
| 31) Naphthalene | 8.18 | 128 | 3468465 | 410.59 | ng | | 99 |
| 32) Benzoic acid | 8.18 | 122 | 8622 | 4.96 | ng | # | 1 |
| 33) 4-Chloroaniline | 8.18 | 127 | 483845 | 142.55 | ng | # | 37 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 754932 | 131.52 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.31 | 154 | 316606 | 43.67 | ng | | 97 |
| 48) Acenaphthylene | 9.75 | 152 | 221958 | 26.23 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 2725 | 2.03 | ng | # | 1 |
| 51) Acenaphthene | 9.93 | 154 | 917460 | 181.06 | ng | | 100 |
| 54) Dibenzofuran | 10.09 | 168 | 82552 | 11.31 | ng | # | 95 |
| 55) 4-Nitrophenol | 9.99 | 139 | 3380 | 3.32 | ng | # | 21 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 4409 | 2.45 | ng | # | 40 |
| 57) Fluorene | 10.45 | 166 | 489622 | 82.48 | ng | | 100 |
| 61) 4-Nitroaniline | 10.45 | 138 | 5074 | 3.23 | ng | # | 23 |
| 70) Phenanthrene | 11.43 | 178 | 2229460 | 333.75 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 537718 | 79.54 | ng | | 98 |
| 74) Fluoranthene | 12.60 | 202 | 1110723 | 150.00 | ng | | 97 |
| 77) Pyrene | 12.85 | 202 | 1469778 | 207.00 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.06 | 228 | 389557 | 59.96 | ng | | 97 |
| 82) Chrysene | 14.06 | 228 | 389557 | 64.56 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 162980 | 30.38 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 553711 | 86.82 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.07 | 252 | 553711 | 88.12 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.45 | 252 | 455022 | 78.47 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.06 | 278 | 13961 | 2.73 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.68 | 276 | 83844 | 17.40 | ng | | 93 |

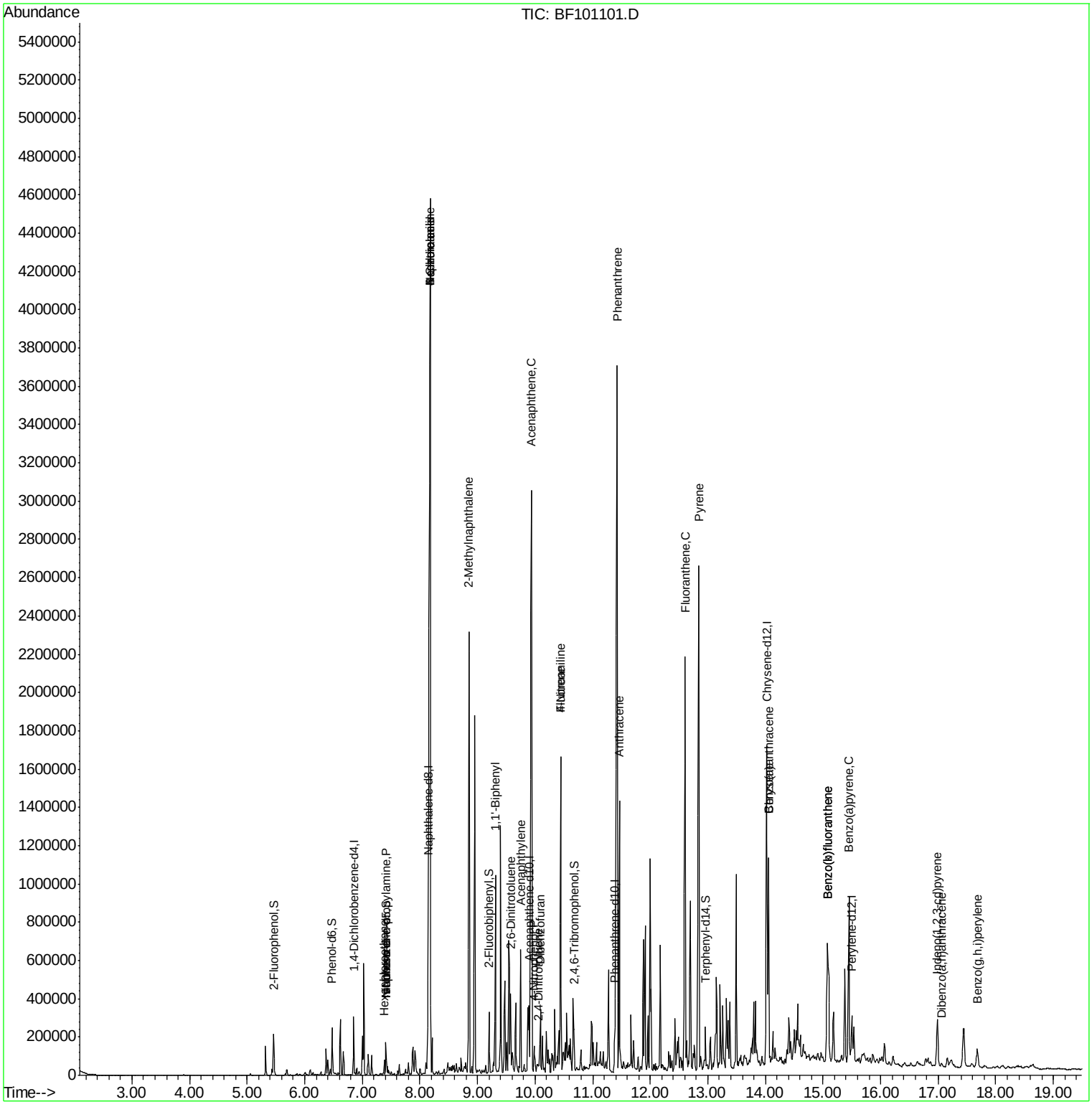
(#) = qualifier out of range (m) = manual integration (+) = signals summed

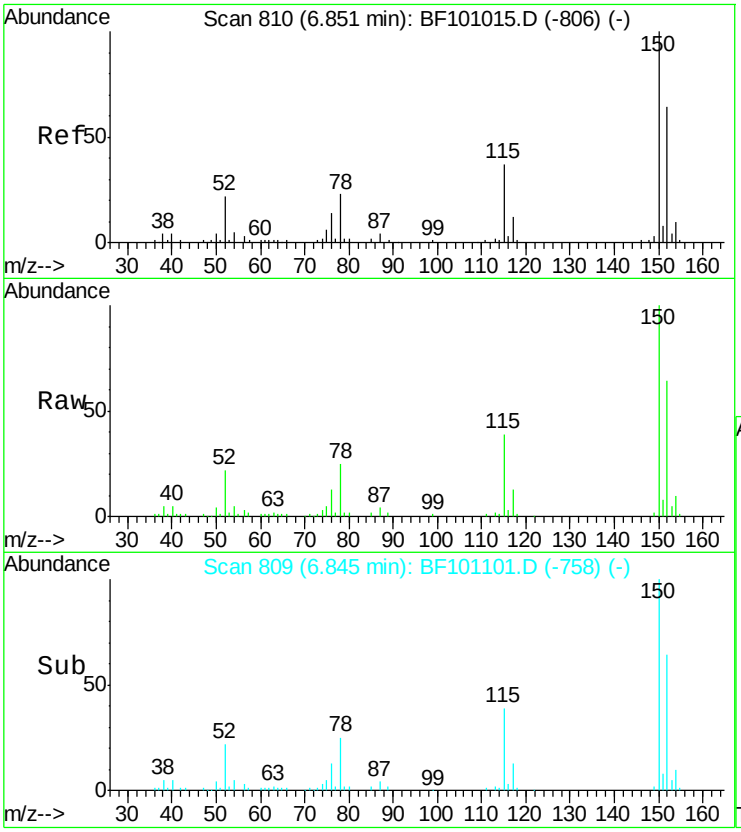
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101101.D
Acq On : 4 Dec 2017 16:42
Operator : SJ/JU
Sample : I6696-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 04 17:18:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration



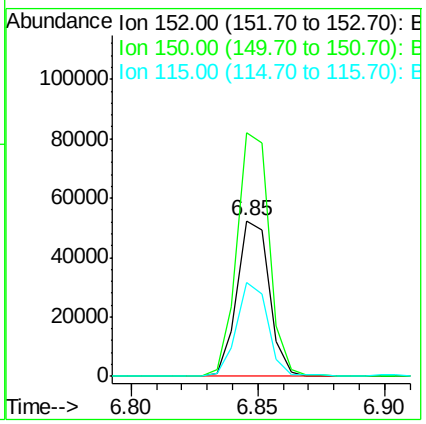


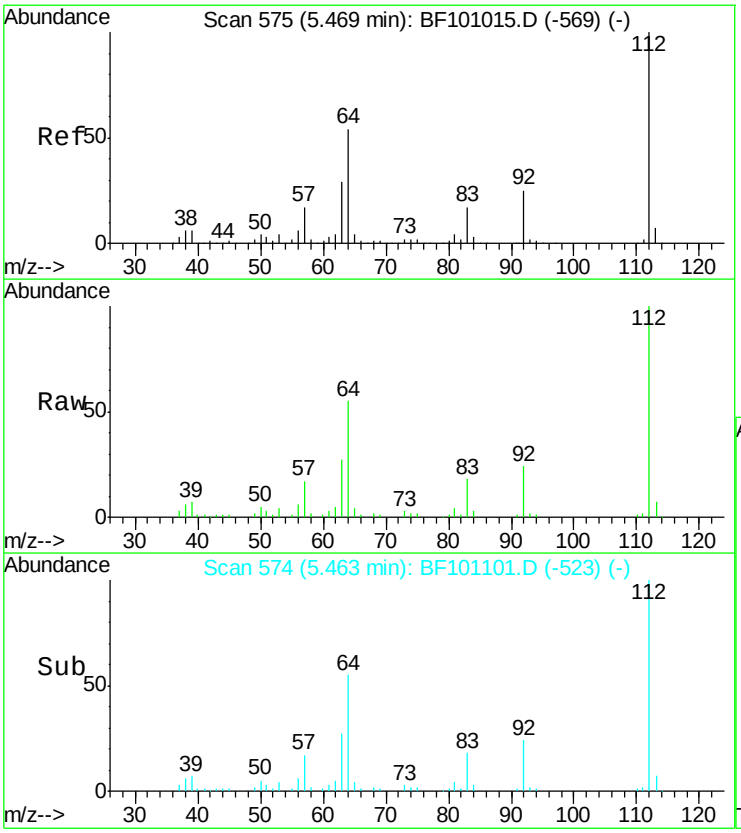

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:152 Resp: 46287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.3 | 124.6 | 186.8 |
| 115 | 60.6 | 50.1 | 75.1 |

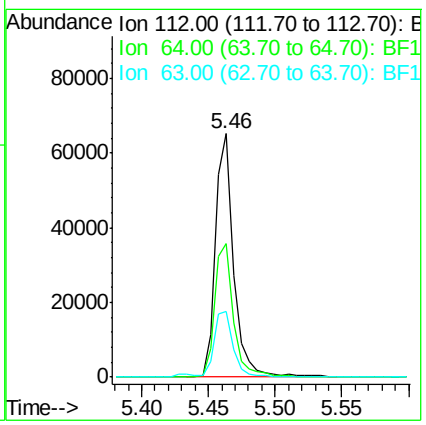


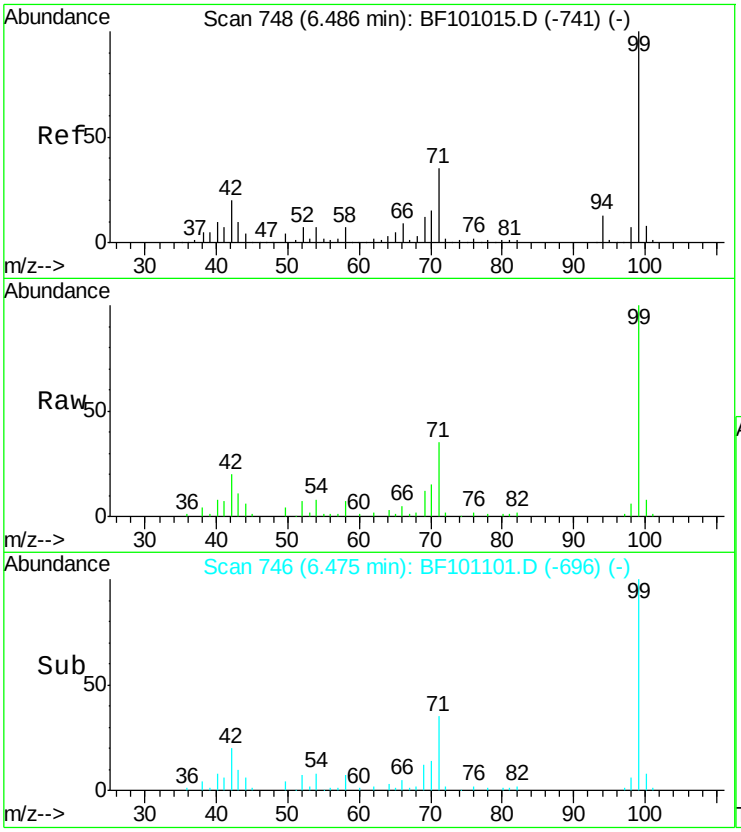




#5
2-Fluorophenol
Concen: 22.53 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:112 Resp: 63096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.7 | 47.9 | 71.9 |
| 63 | 27.2 | 23.7 | 35.5 |



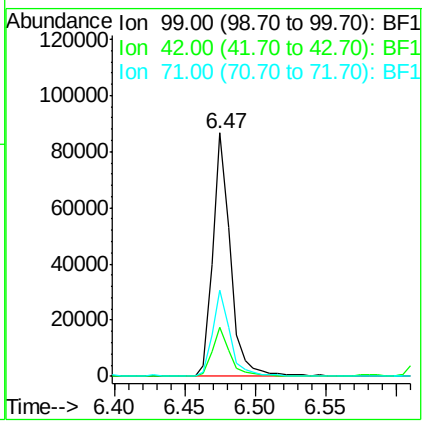


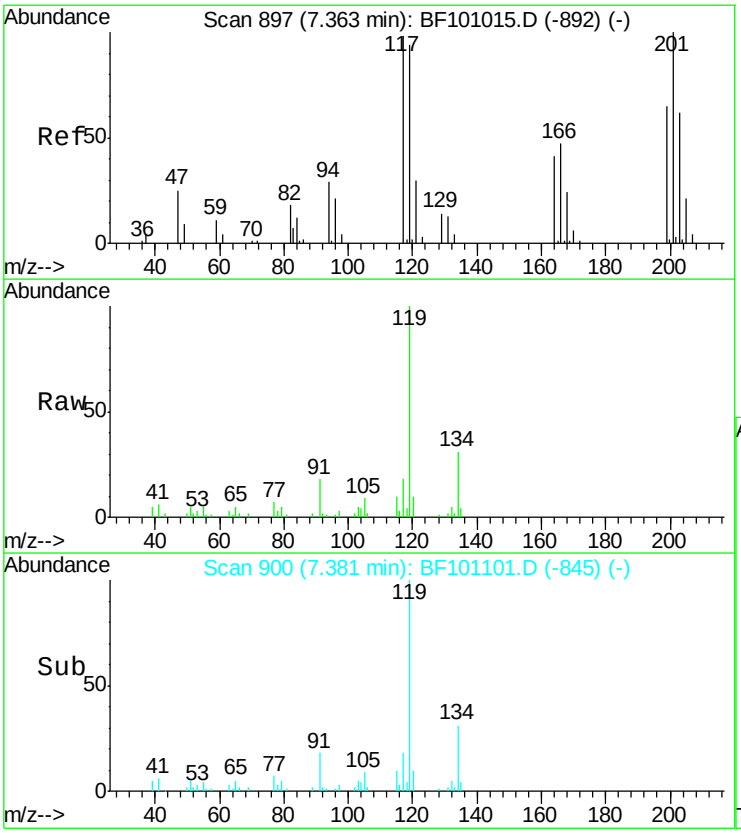

#7
Phenol-d6
Concen: 22.11 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion: 99 Resp: 75206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.9 | 14.5 | 21.7 |
| 71 | 35.5 | 25.4 | 38.0 |

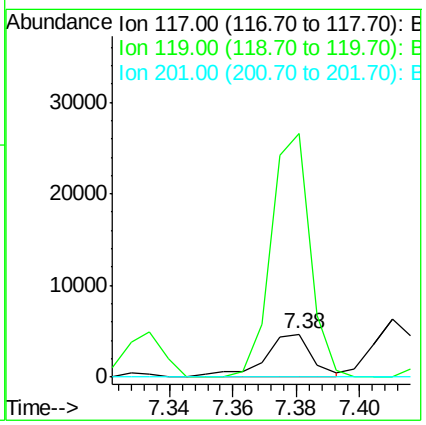


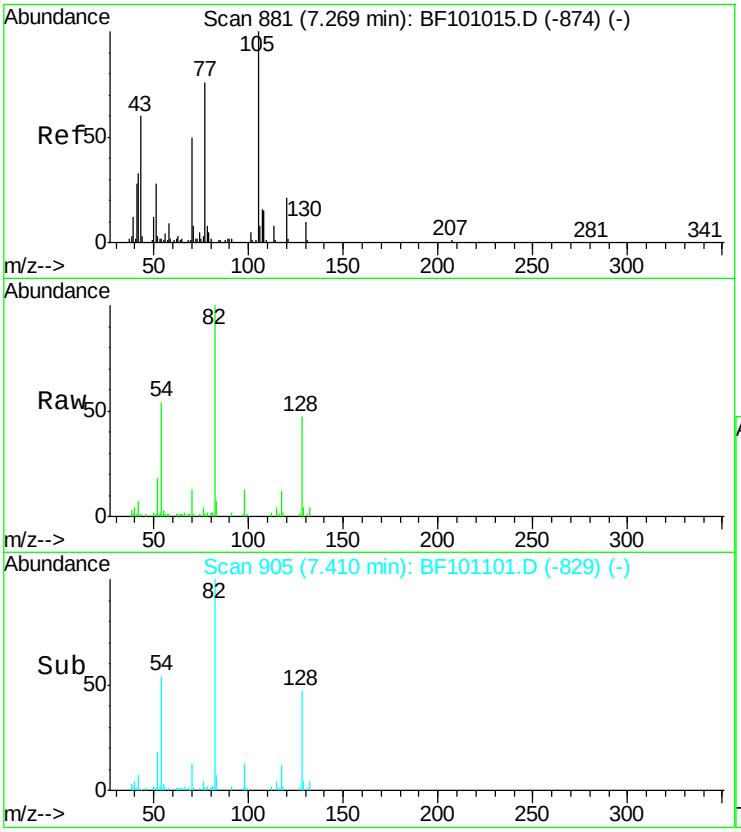




#18
Hexachloroethane
Concen: 4.15 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:117 Resp: 4912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 563.6 | 75.8 | 113.8# |
| 201 | 0.0 | 75.7 | 113.5# |



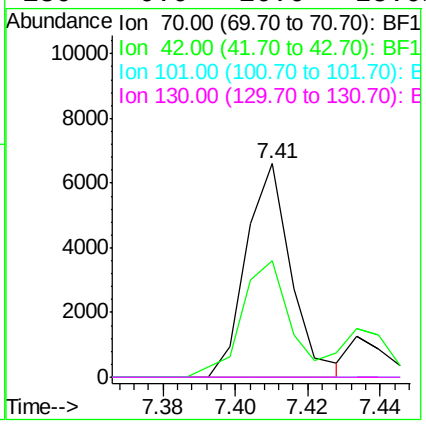


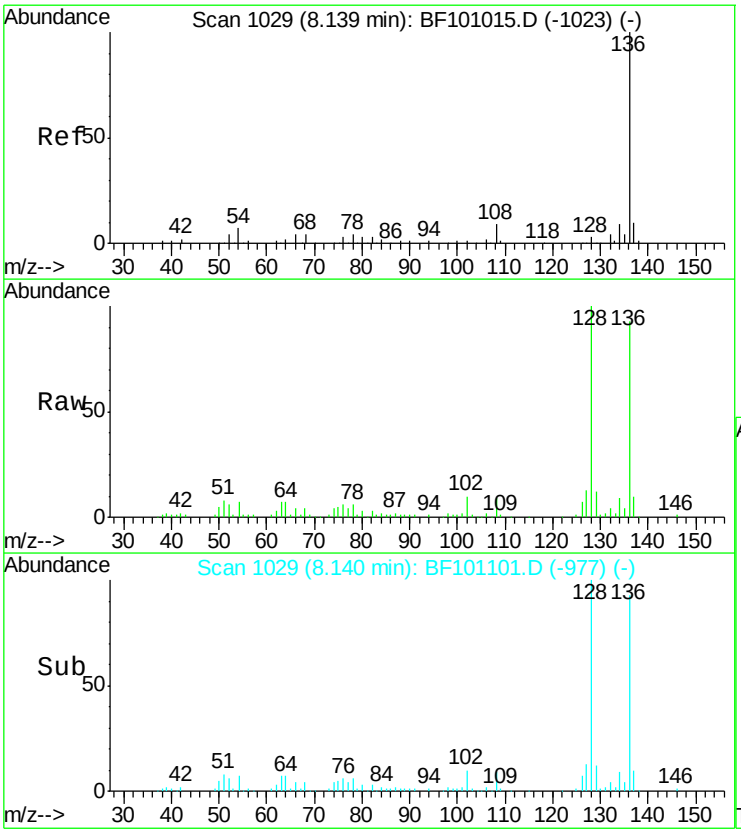

#19
n-Nitroso-di-n-propylamine
Concen: 2.49 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion: 70 Resp: 5695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.3 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 16.6 | 25.0# |

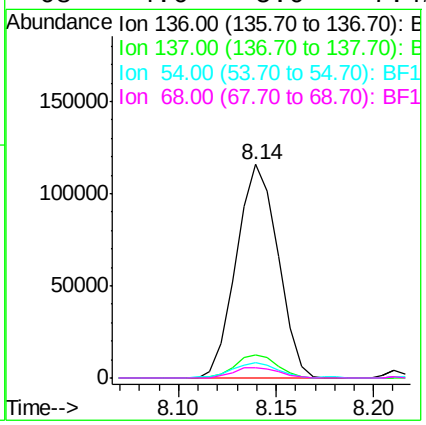


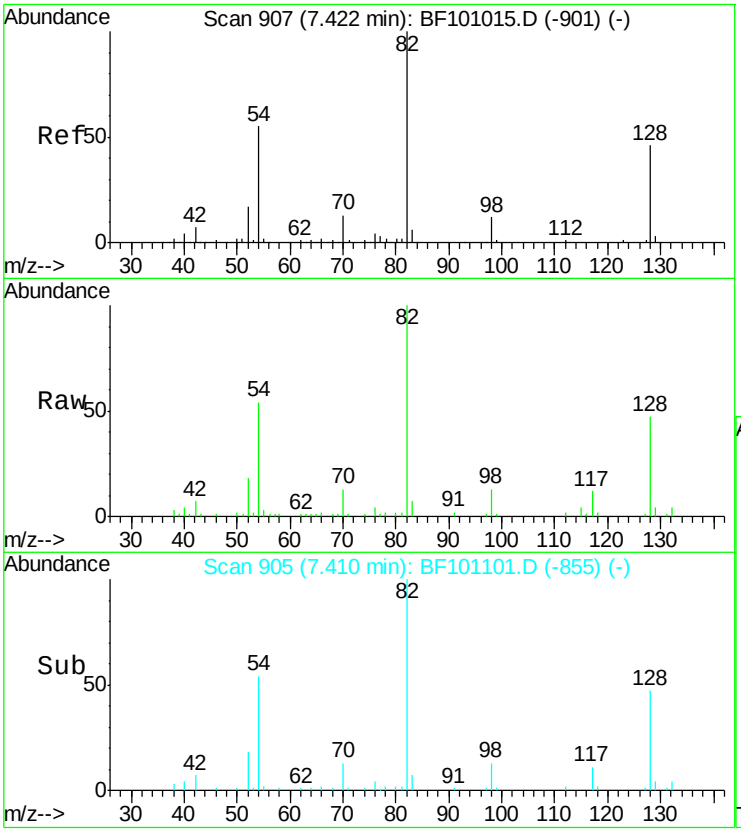




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:136 Resp: 171402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.9 | 13.3 |
| 54 | 7.2 | 6.6 | 9.8 |
| 68 | 4.6 | 5.0 | 7.4# |



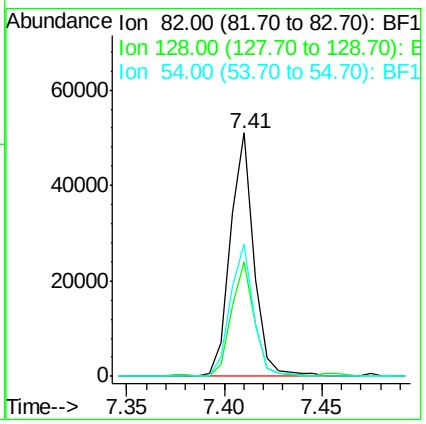


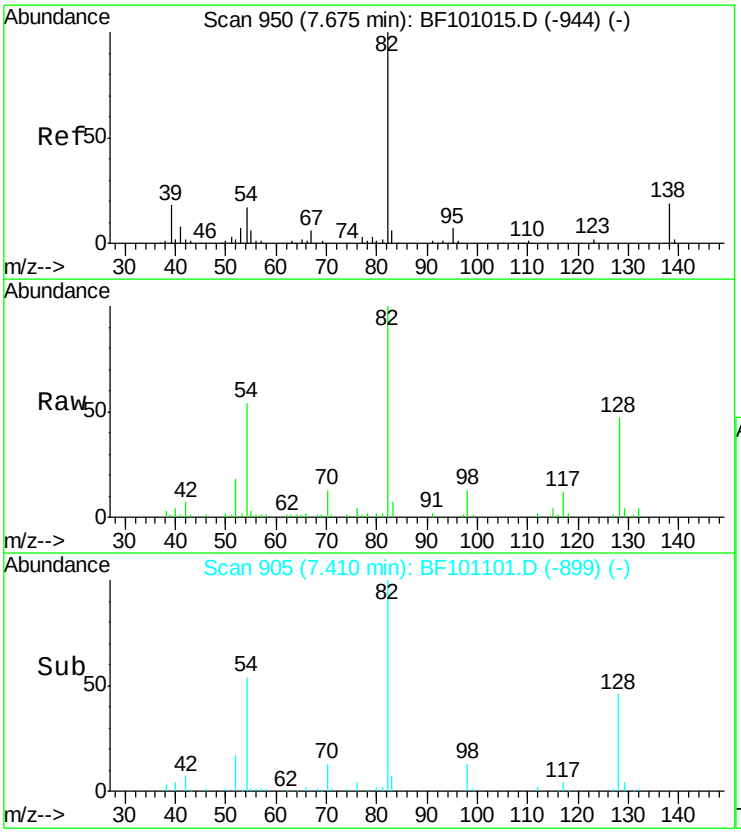

#23
Nitrobenzene-d5
Concen: 14.78 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion: 82 Resp: 42462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.8 | 36.1 | 54.1 |
| 54 | 54.5 | 41.4 | 62.2 |

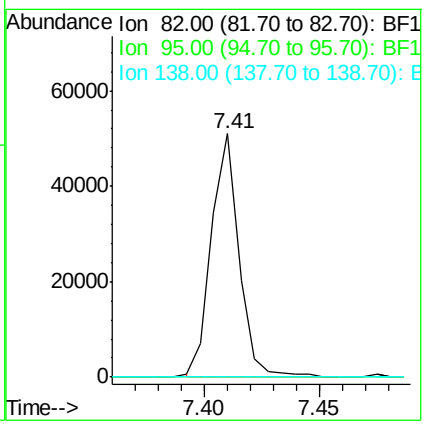


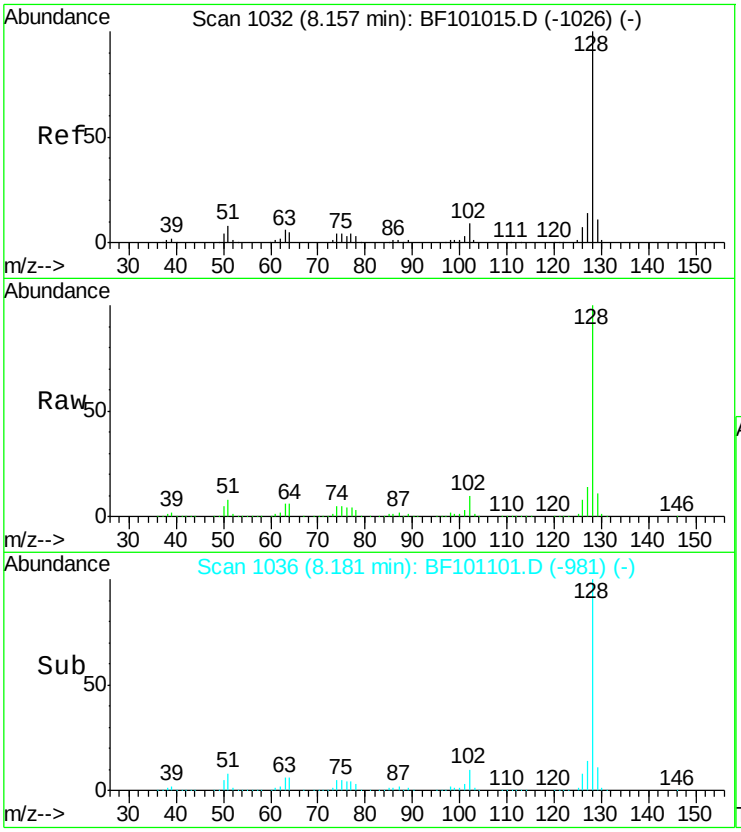




#25
Isophorone
Concen: 8.60 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion: 82 Resp: 42202

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



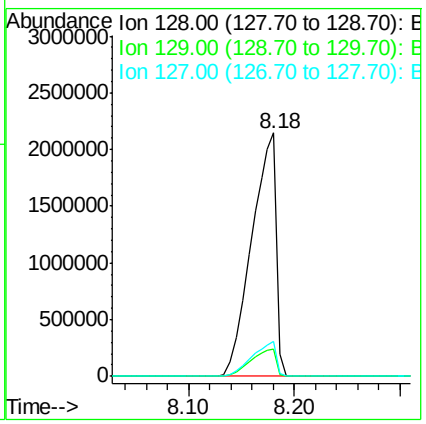


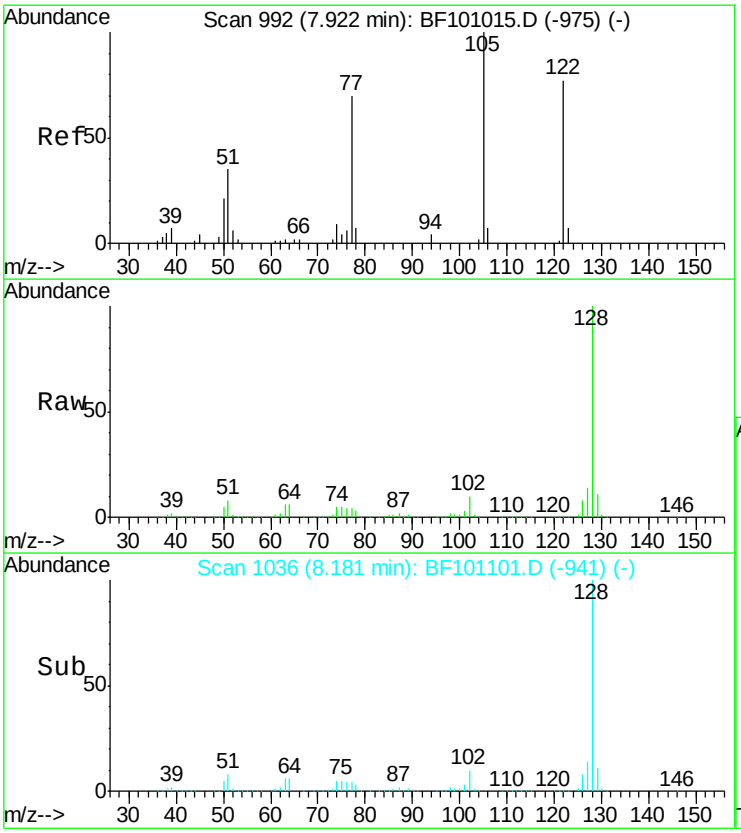

#31
Naphthalene
Concen: 410.59 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:128 Resp: 3468465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.8 | 13.2 |
| 127 | 14.4 | 10.9 | 16.3 |

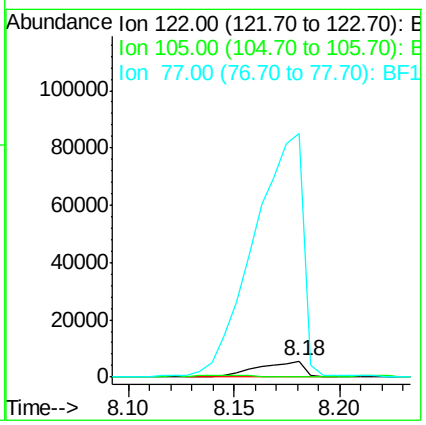


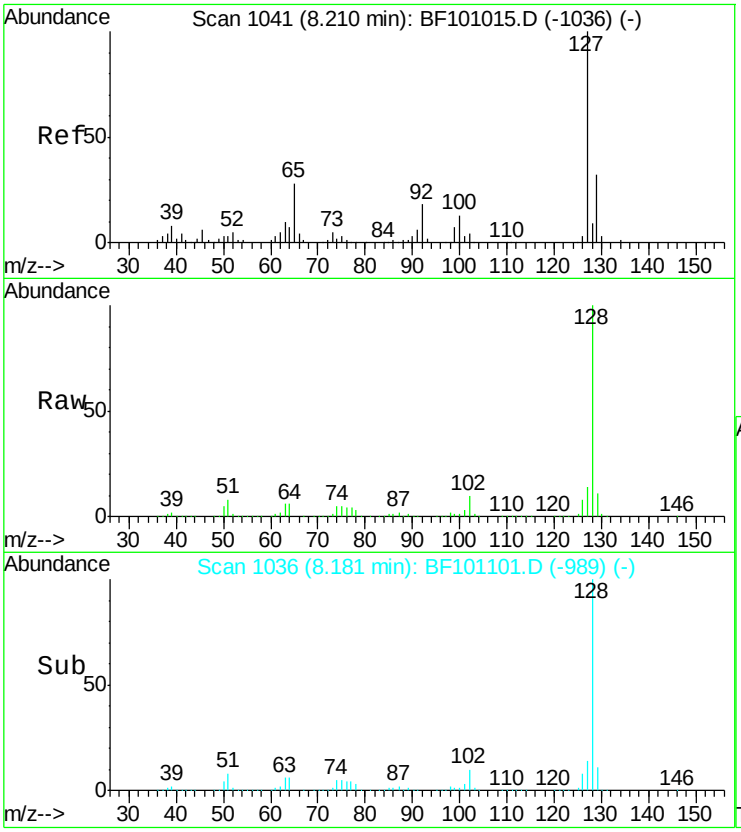




#32
Benzoic acid
Concen: 4.96 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.26 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:122 Resp: 8622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 1525.6 | 70.7 | 110.7# |



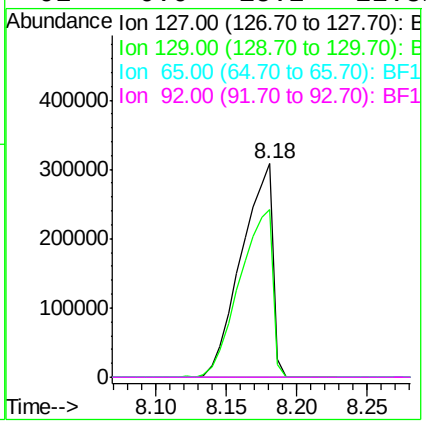


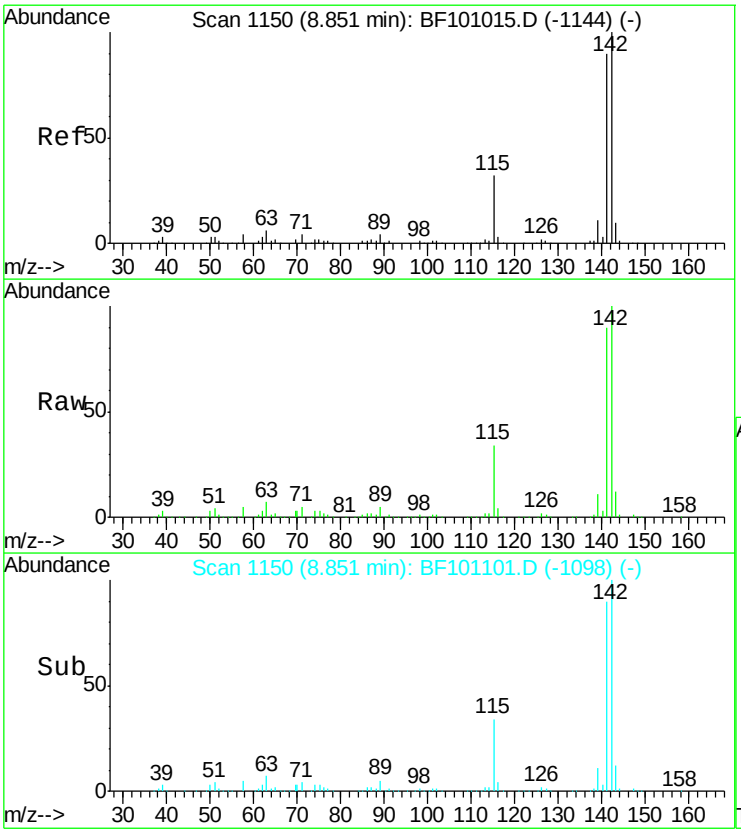

#33
4-Chloroaniline
Concen: 142.55 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:127 Resp: 483845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 78.6 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.0 | 15.2 | 22.8# |

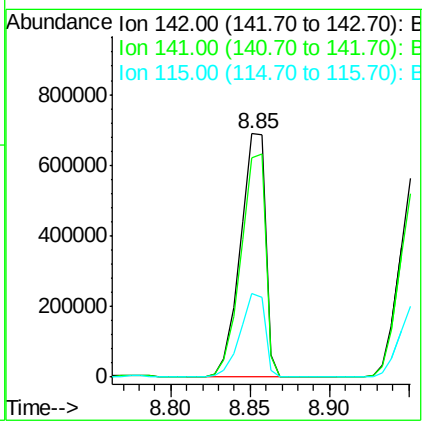


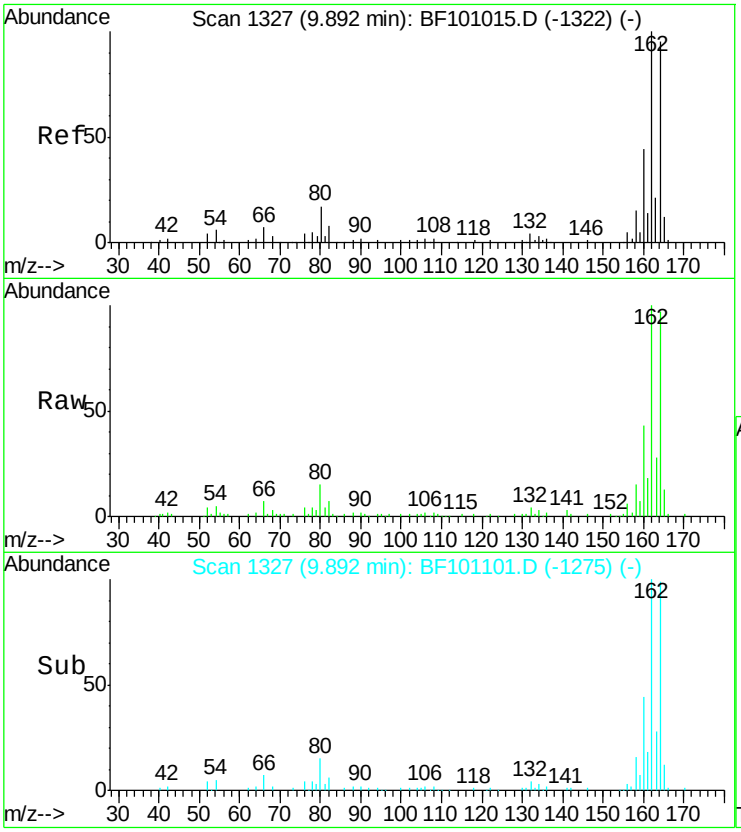




#37
2-Methylnaphthalene
Concen: 131.52 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:142 Resp: 754932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 70.8 | 106.2 |
| 115 | 34.4 | 26.1 | 39.1 |

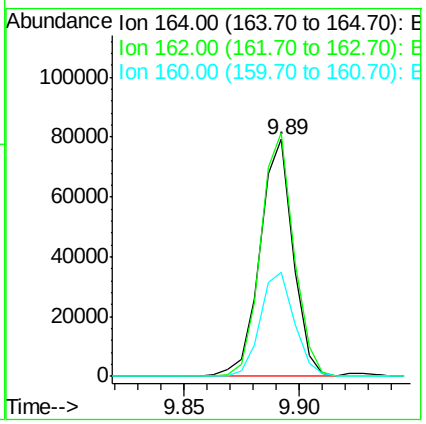




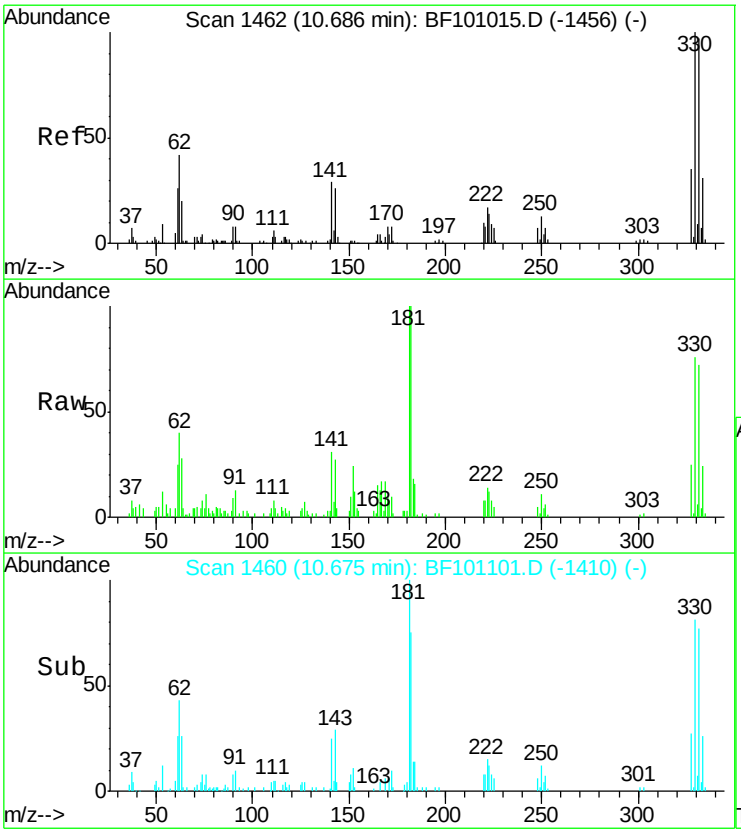

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:164 Resp: 79138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 86.1 | 129.1 |
| 160 | 44.1 | 38.3 | 57.5 |



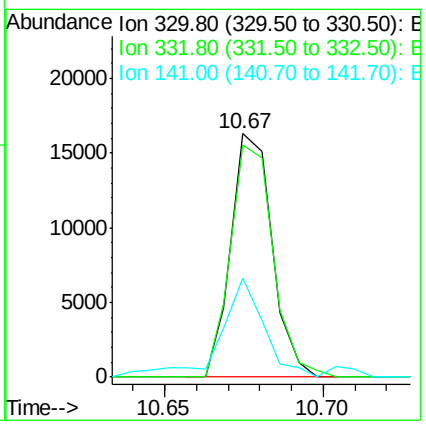

**Instrument :**
BNA_F
**ClientSampleId :**

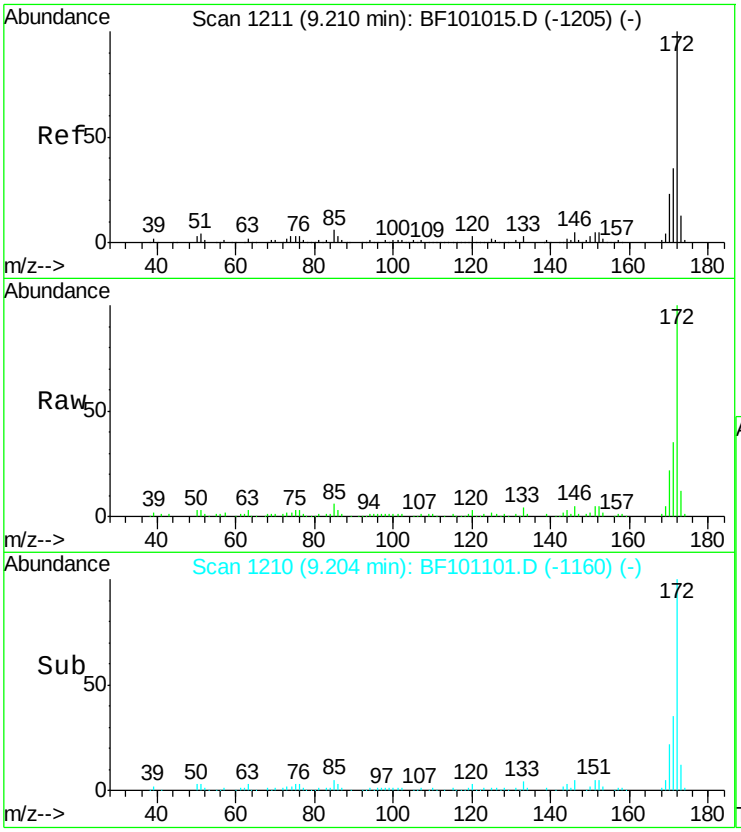



#41
2,4,6-Tribromophenol
Concen: 15.38 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:330 Resp: 14621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.2 | 77.0 | 115.6 |
| 141 | 43.4 | 29.9 | 44.9 |



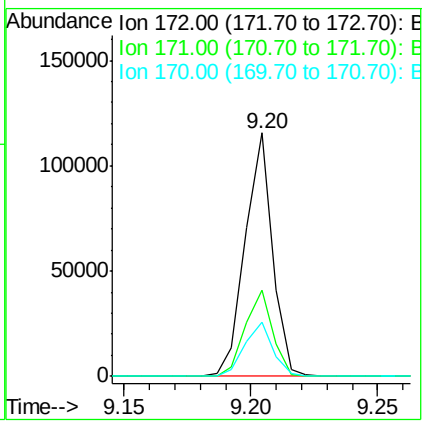


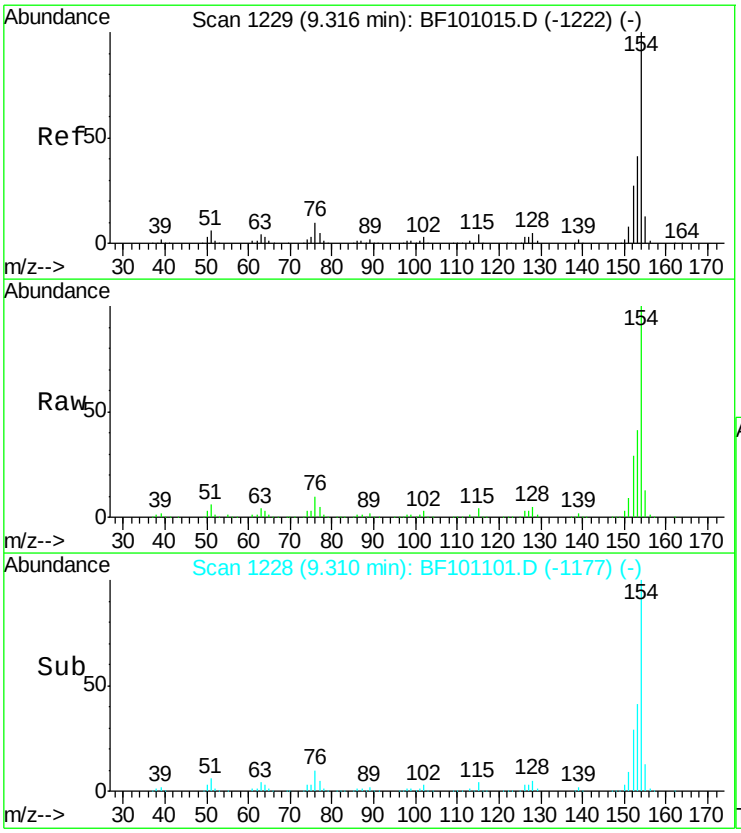

#44
2-Fluorobiphenyl
Concen: 15.03 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:172 Resp: 86924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.7 | 44.5 |
| 170 | 22.4 | 19.6 | 29.4 |

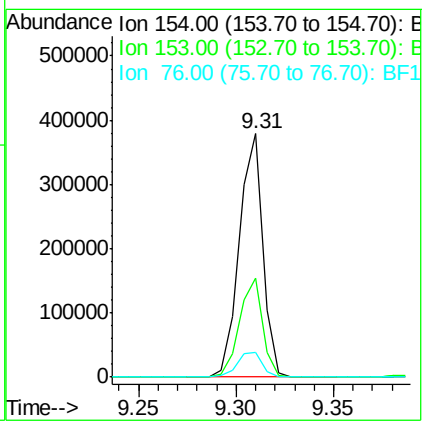


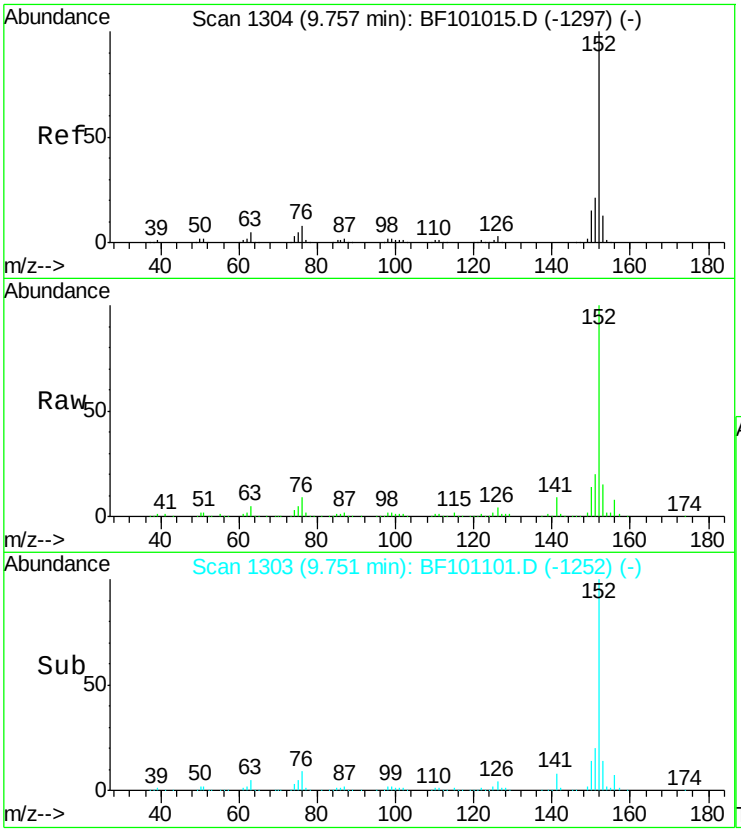




#45
1,1'-Biphenyl
Concen: 43.67 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:154 Resp: 316606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 21.3 | 61.3 |
| 76 | 10.3 | 0.0 | 34.0 |



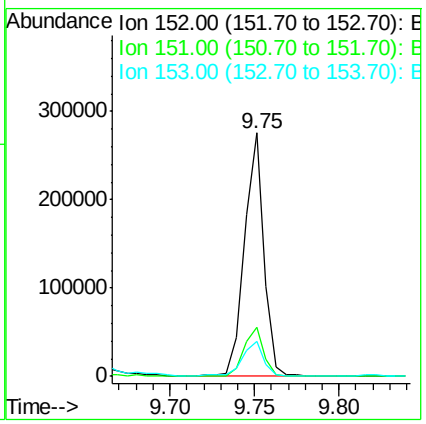


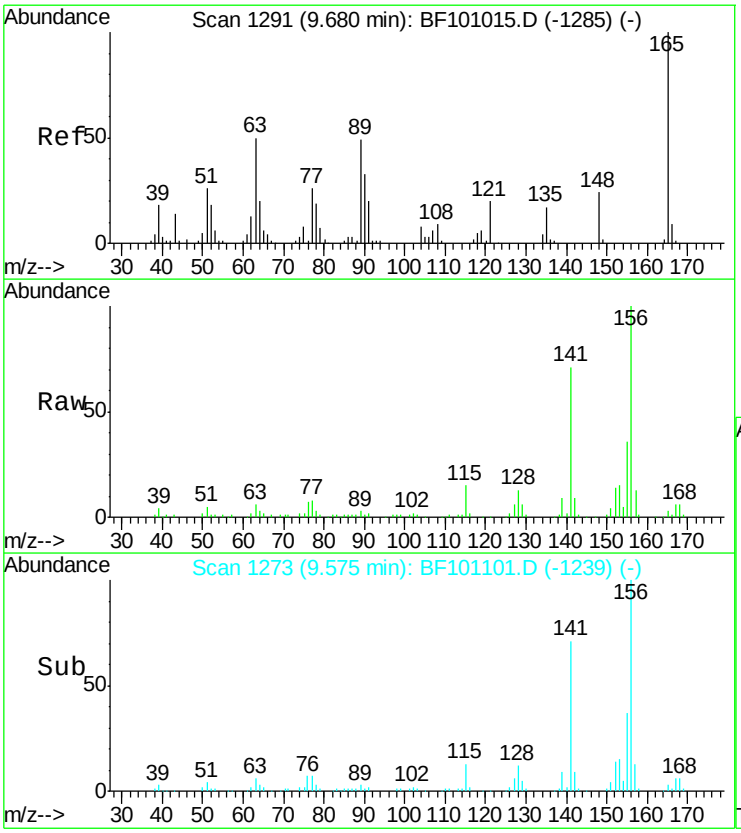

#48
Acenaphthylene
Concen: 26.23 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:152 Resp: 221958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.3 | 24.5 |
| 153 | 14.5 | 10.7 | 16.1 |

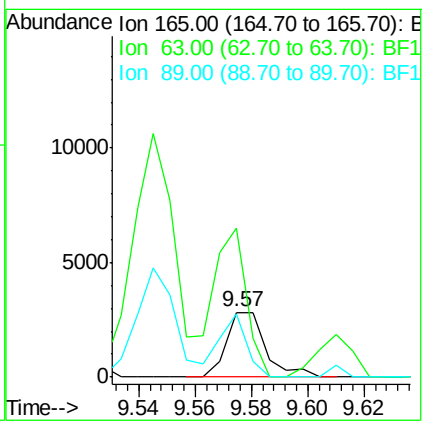


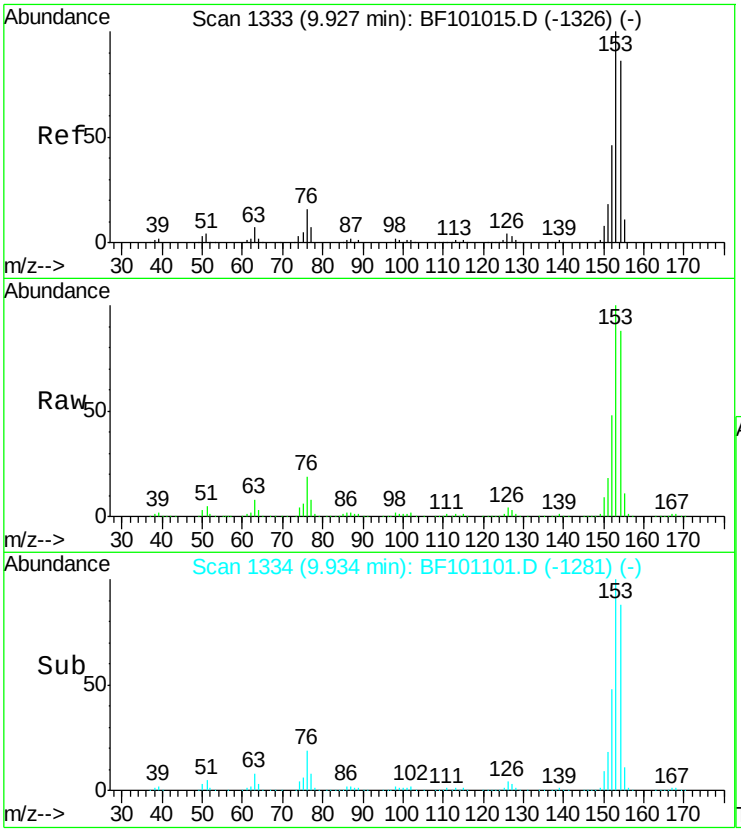




#50
2,6-Dinitrotoluene
Concen: 2.03 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.10 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:165 Resp: 2725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 228.5 | 44.7 | 67.1# |
| 89 | 97.5 | 44.0 | 66.0# |



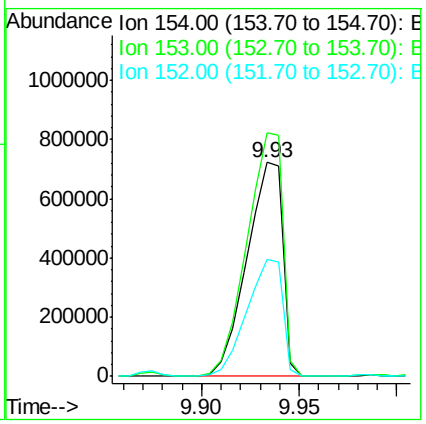


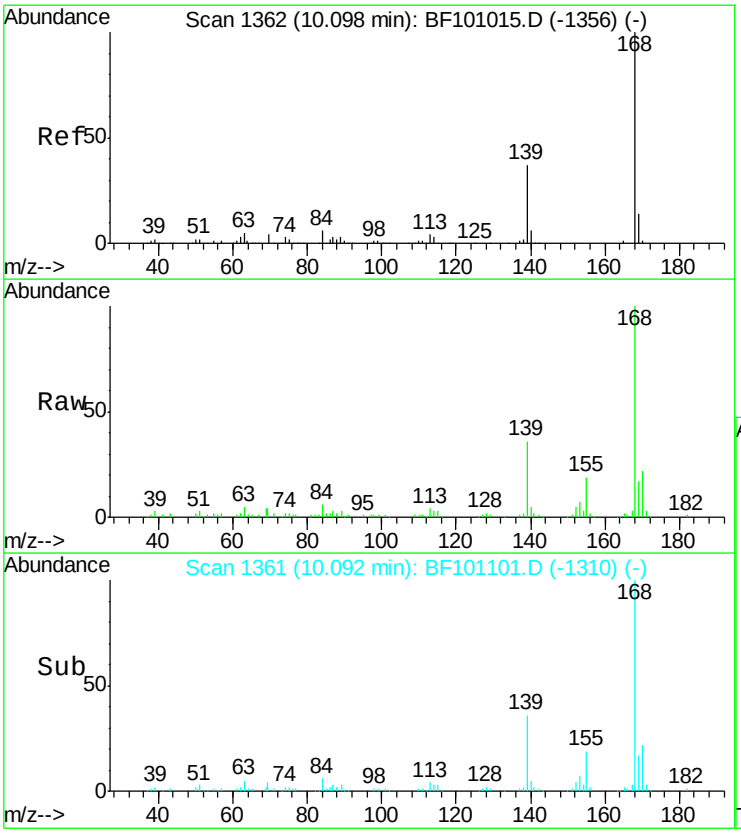

#51
Acenaphthene
Concen: 181.06 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:154 Resp: 917460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.0 | 91.2 | 136.8 |
| 152 | 54.5 | 43.8 | 65.8 |

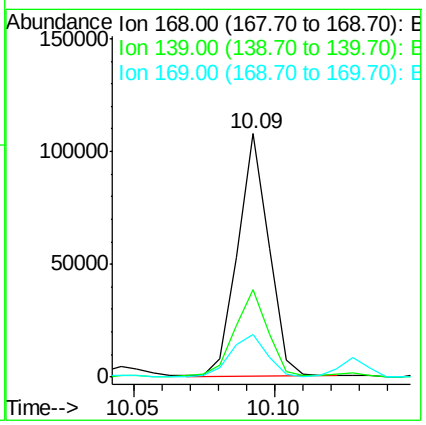


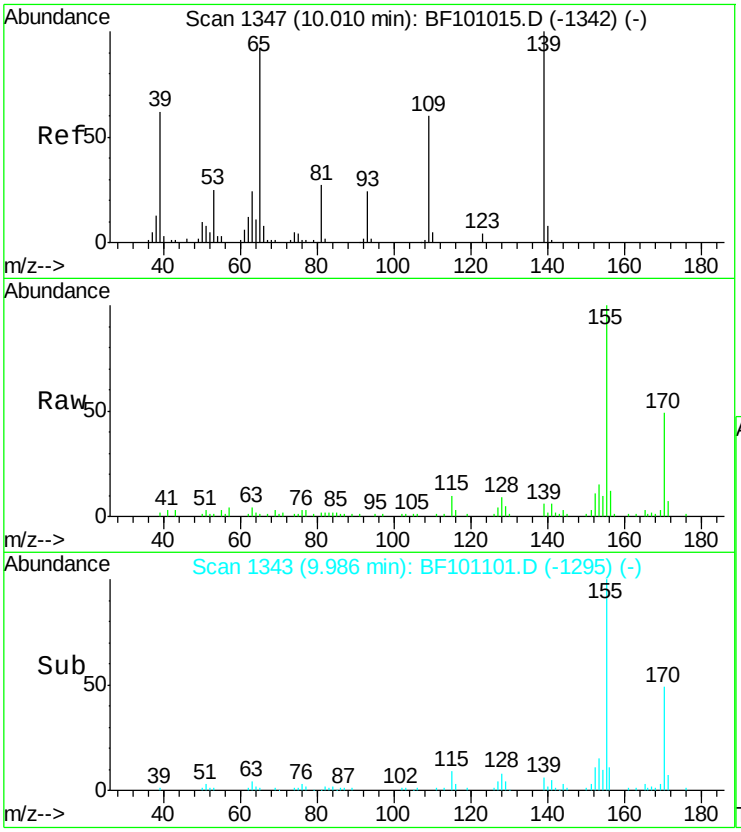




#54
Dibenzofuran
Concen: 11.31 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:168 Resp: 82552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.8 | 30.1 | 45.1 |
| 169 | 17.4 | 10.9 | 16.3# |



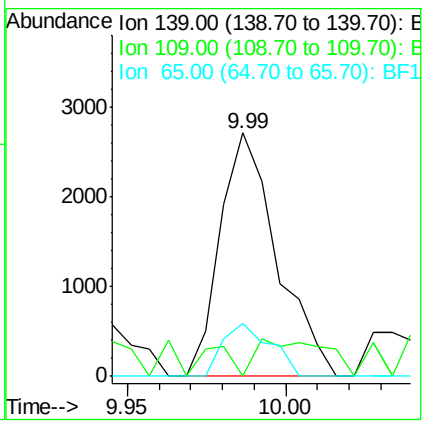


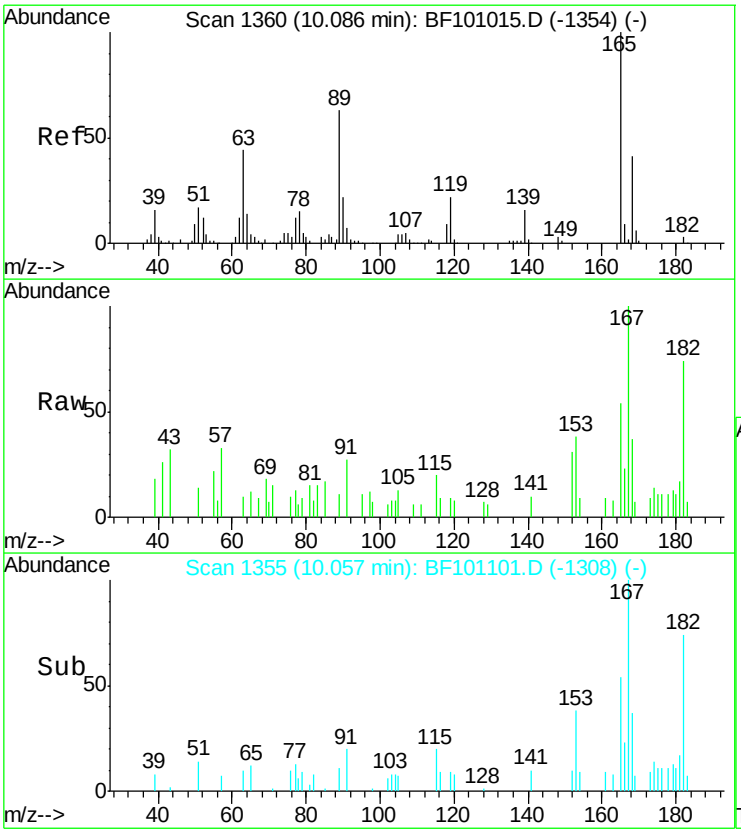

#55
4-Nitrophenol
Concen: 3.32 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:139 Resp: 3380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 48.4 | 88.4# |
| 65 | 21.5 | 72.6 | 112.6# |

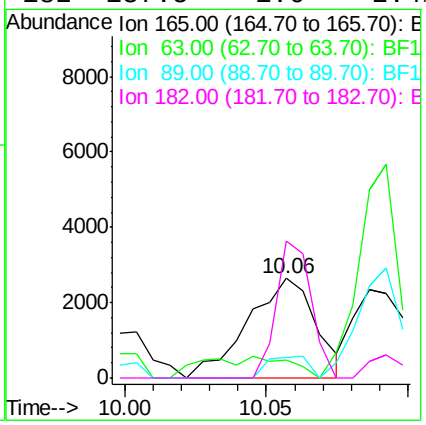


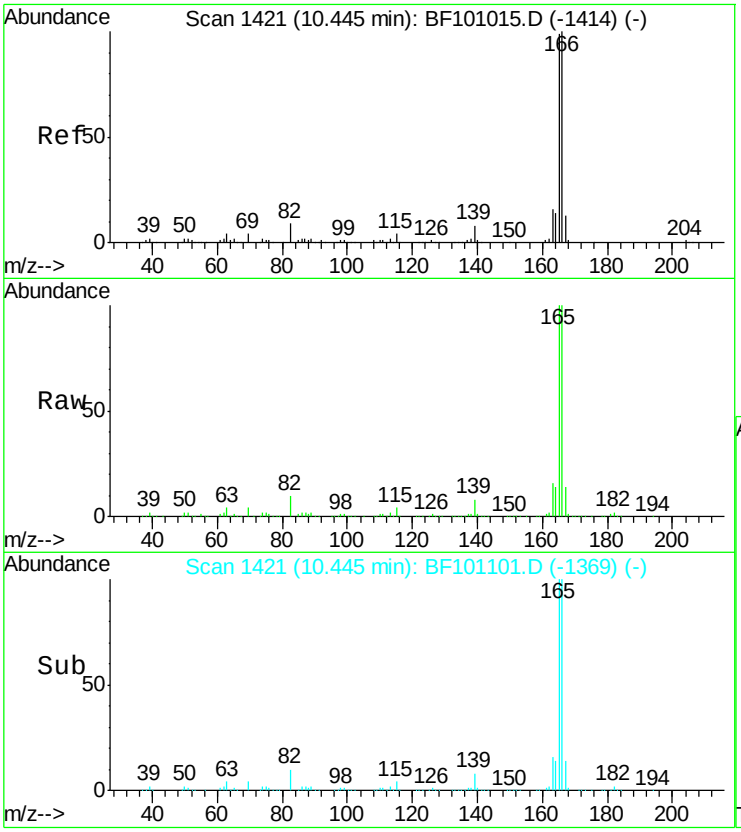




#56
2,4-Dinitrotoluene
Concen: 2.45 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:165 Resp: 4409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 18.0 | 36.4 | 54.6# |
| 89 | 20.7 | 57.8 | 86.6# |
| 182 | 137.5 | 1.6 | 2.4# |



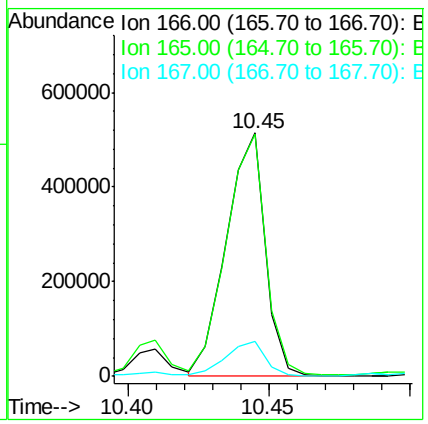


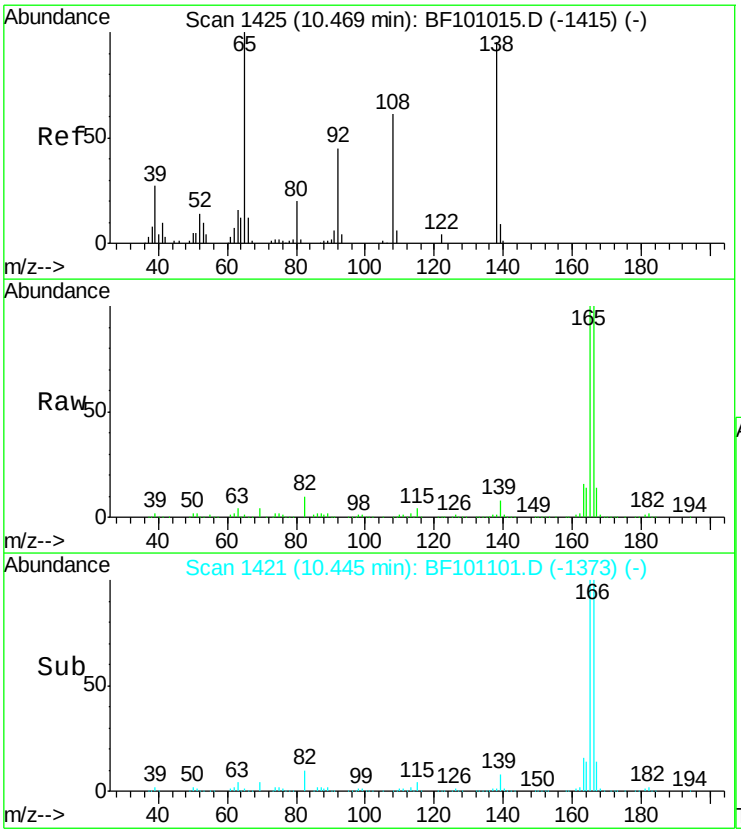

#57
Fluorene
Concen: 82.48 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:166 Resp: 489622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.6 | 79.8 | 119.8 |
| 167 | 14.2 | 10.6 | 16.0 |

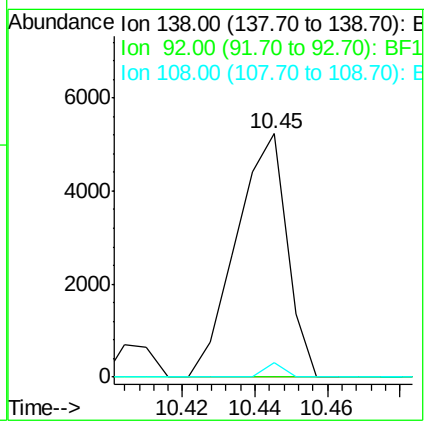


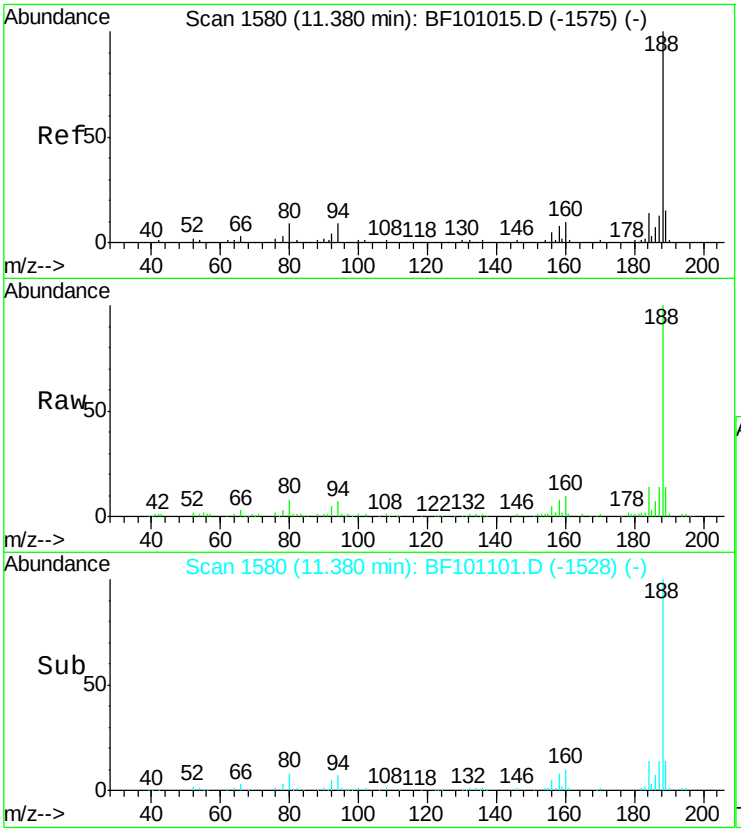




#61
4-Nitroaniline
Concen: 3.23 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:138 Resp: 5074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 0.0 | 30.2 | 70.2# |
| 108 | 6.1 | 52.5 | 92.5# |



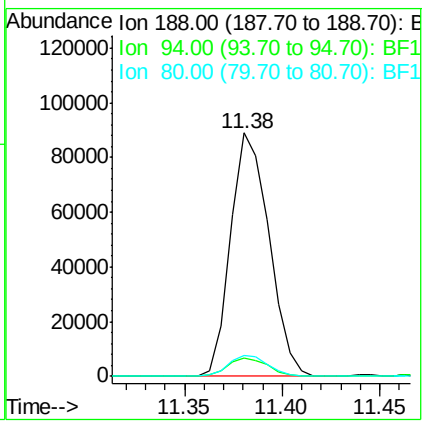


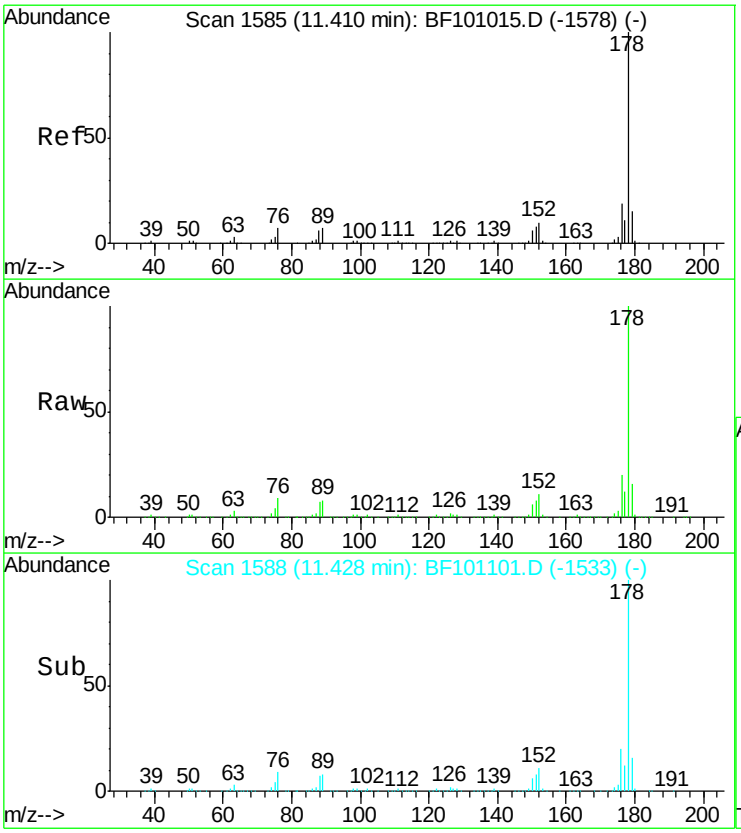

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:188 Resp: 121300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 8.5 | 12.7# |
| 80 | 8.4 | 9.2 | 13.8# |

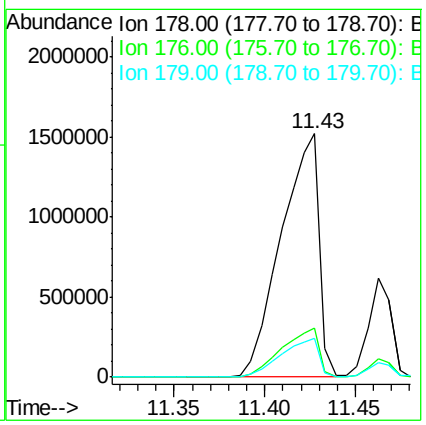


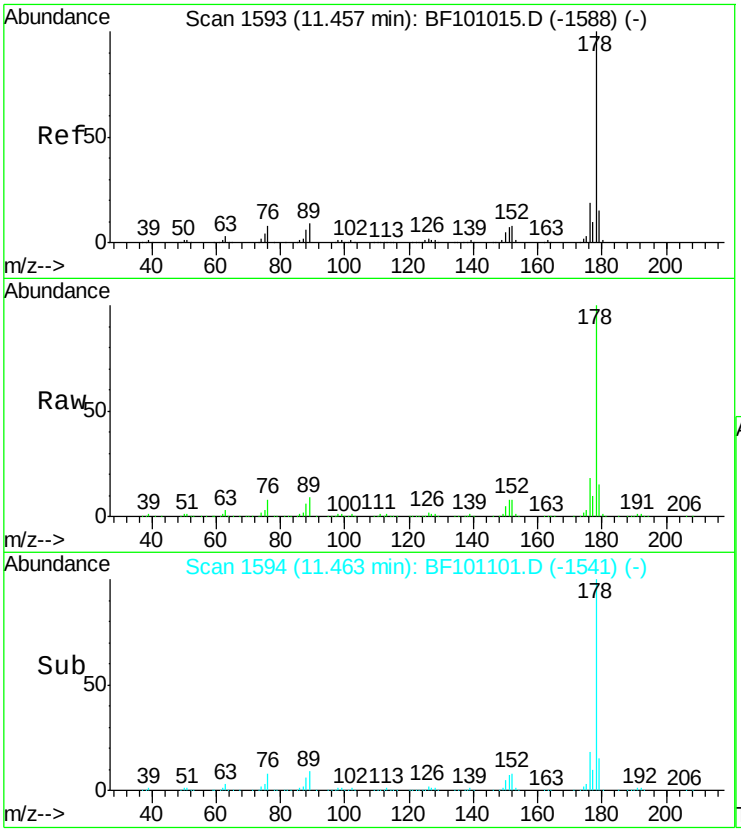




#70
Phenanthrene
Concen: 333.75 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:178 Resp: 2229460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 15.8 | 23.8 |
| 179 | 15.8 | 13.0 | 19.6 |



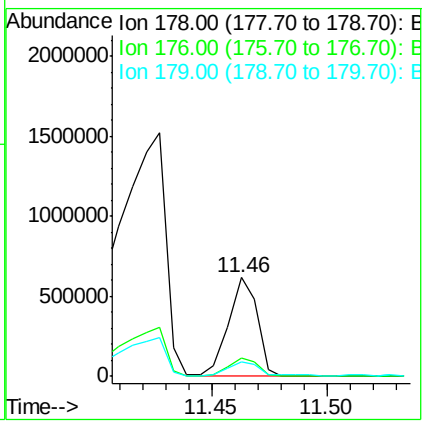


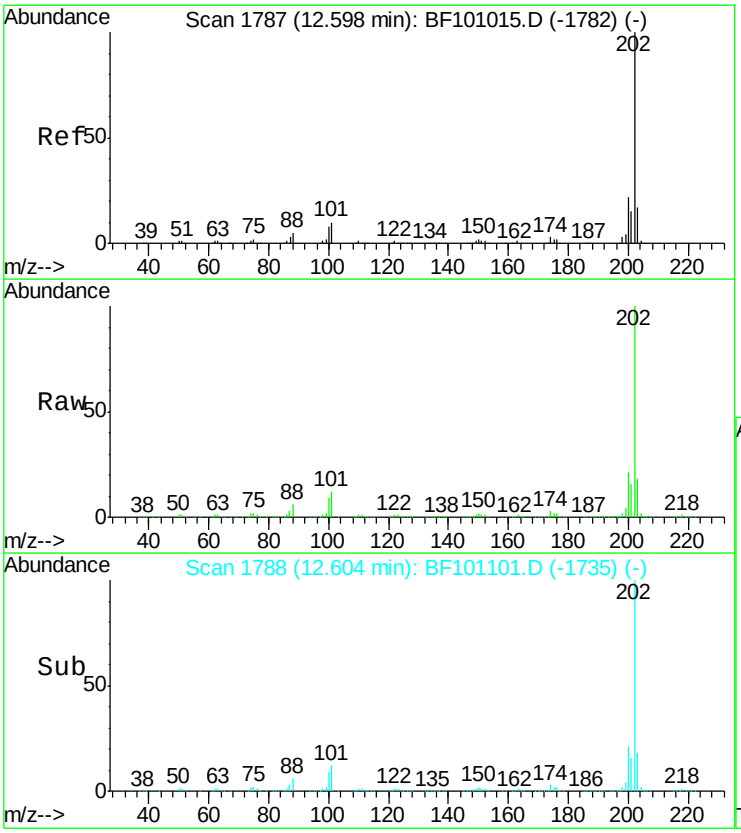

#71
Anthracene
Concen: 79.54 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:178 Resp: 537718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.4 | 23.2 |
| 179 | 14.9 | 12.6 | 19.0 |

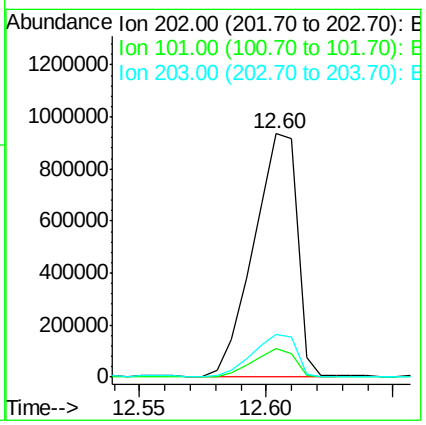


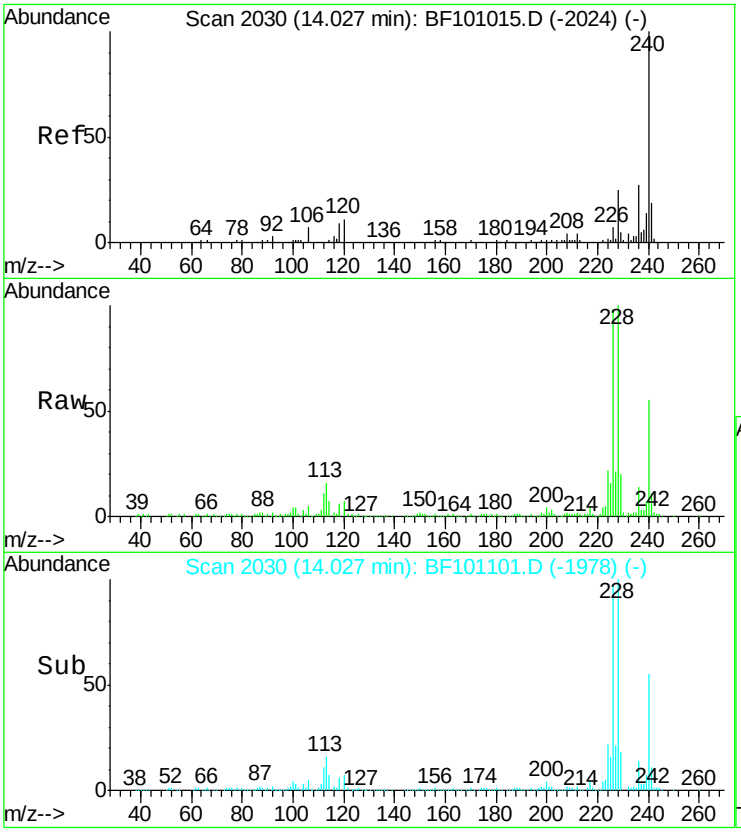




#74
Fluoranthene
Concen: 150.00 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:202 Resp: 1110723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 34.1 |
| 203 | 17.7 | 0.0 | 38.1 |



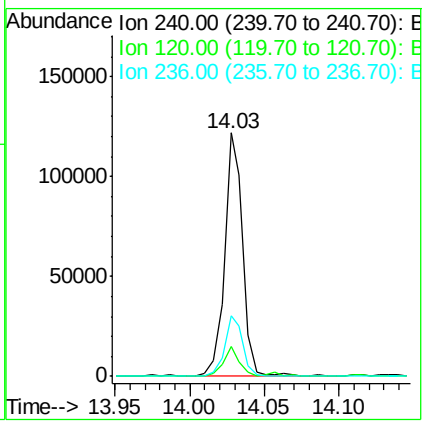


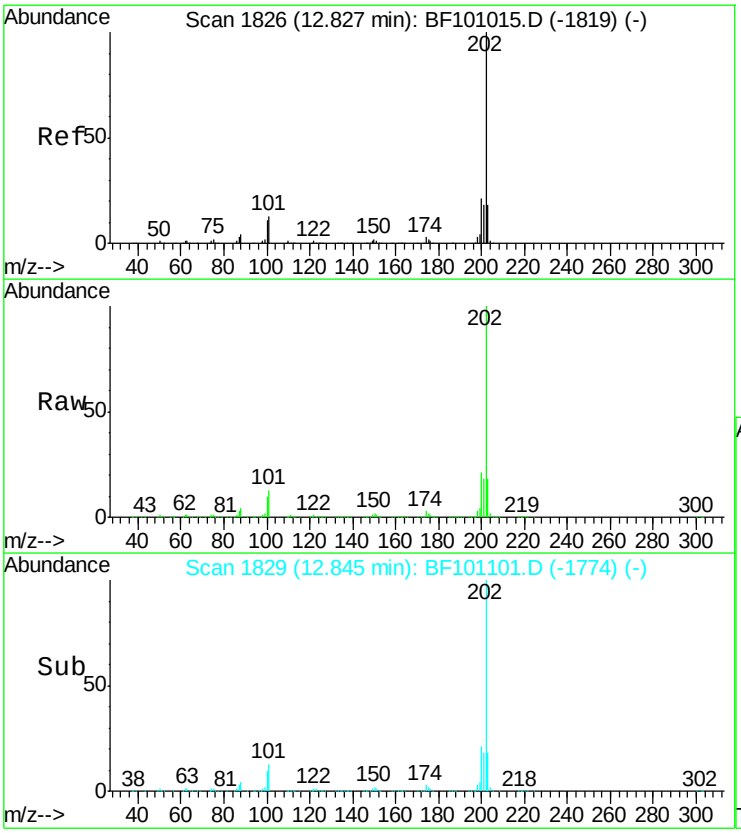

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:240 Resp: 102900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 9.5 | 14.3 |
| 236 | 24.9 | 20.7 | 31.1 |

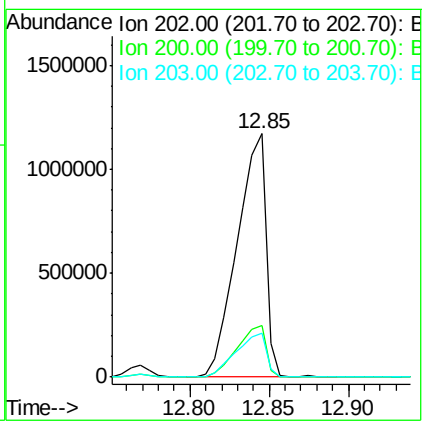


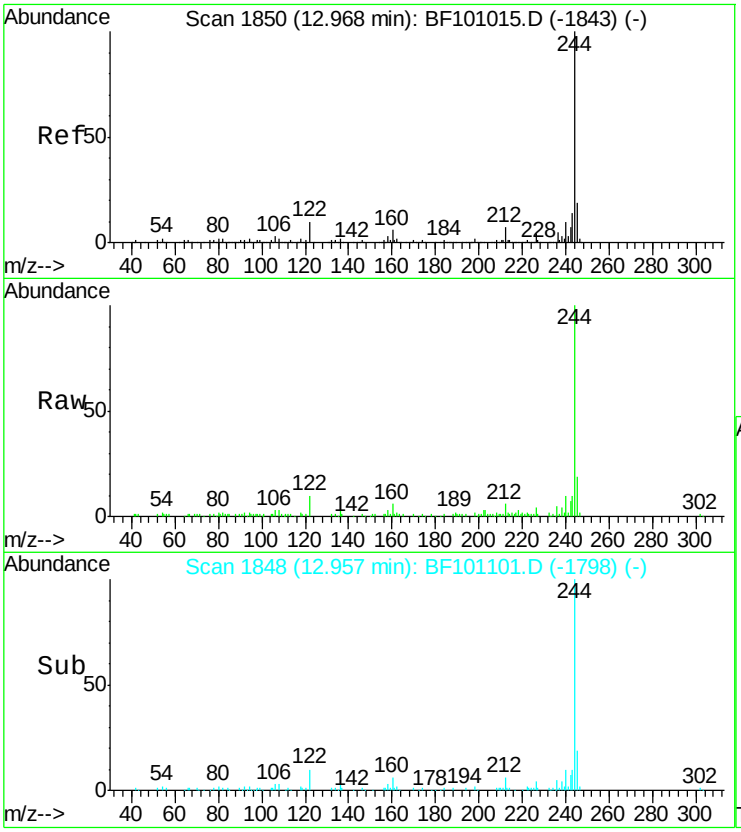




#77
Pyrene
Concen: 207.00 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:202 Resp: 1469778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.4 | 26.2 |
| 203 | 17.9 | 14.3 | 21.5 |



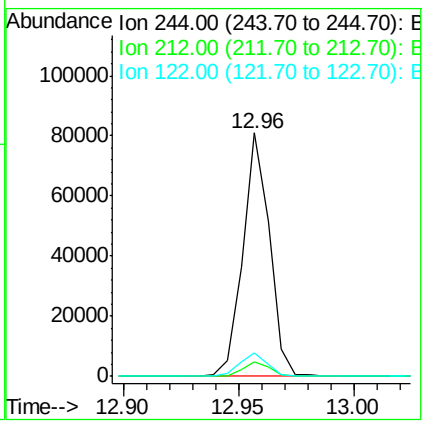


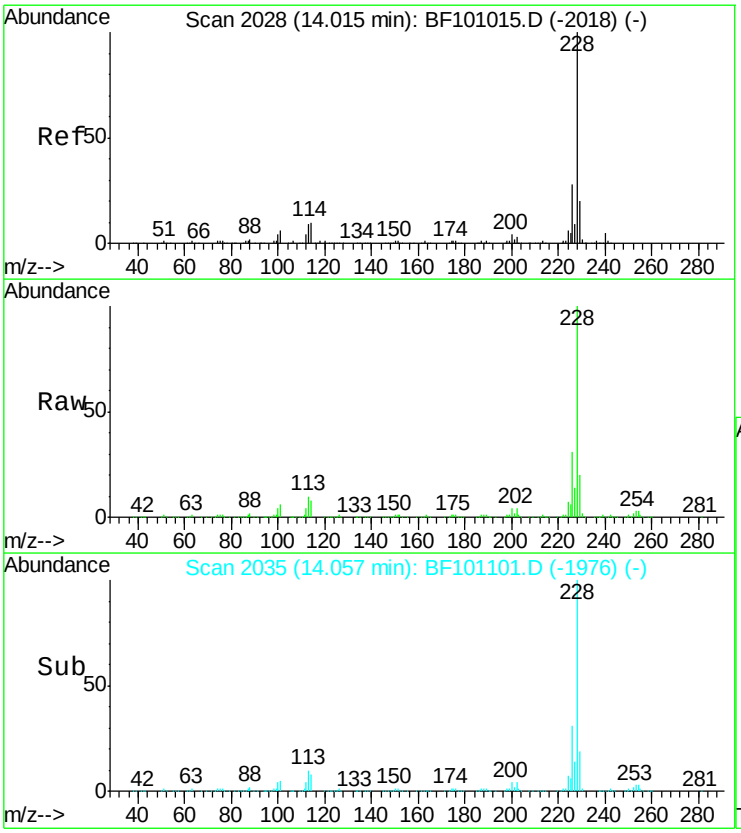

#78
Terphenyl-d14
Concen: 13.87 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:244 Resp: 65244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.2 | 5.4 | 8.0 |
| 122 | 9.6 | 11.0 | 16.4# |

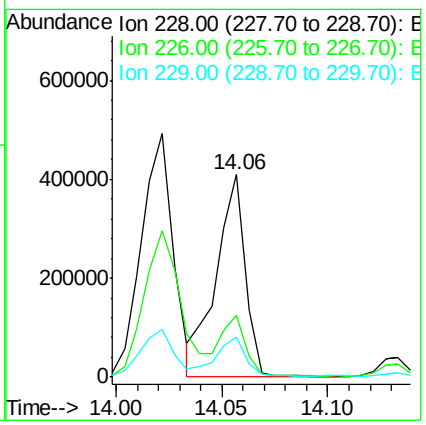


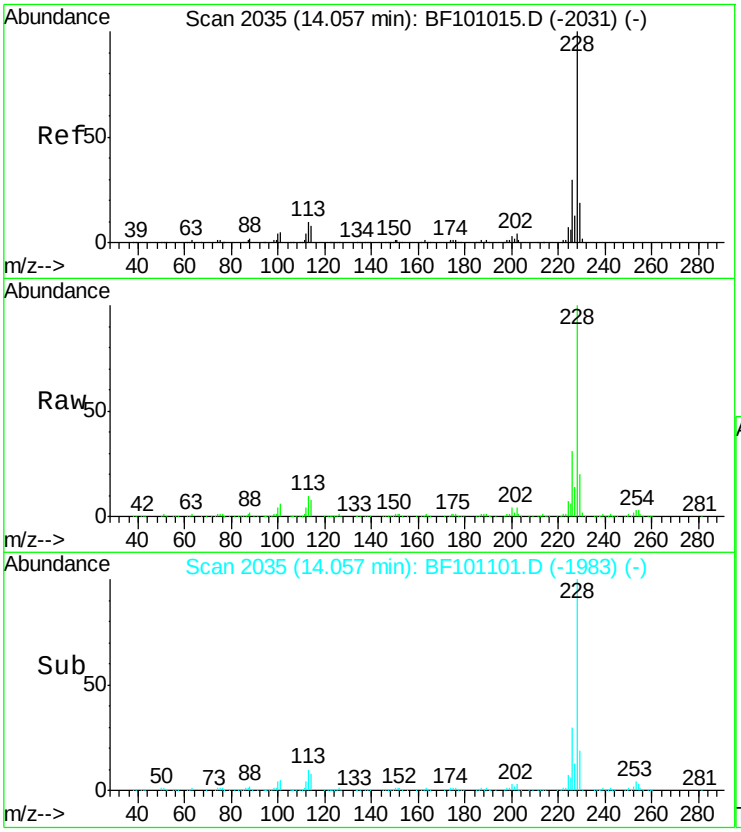




#80
Benzo(a)anthracene
Concen: 59.96 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.05 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:228 Resp: 389557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 22.6 | 33.8 |
| 229 | 19.8 | 15.8 | 23.6 |



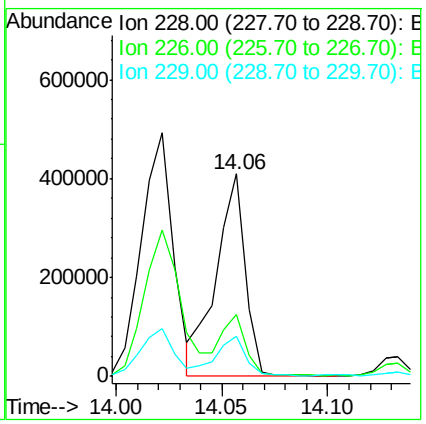


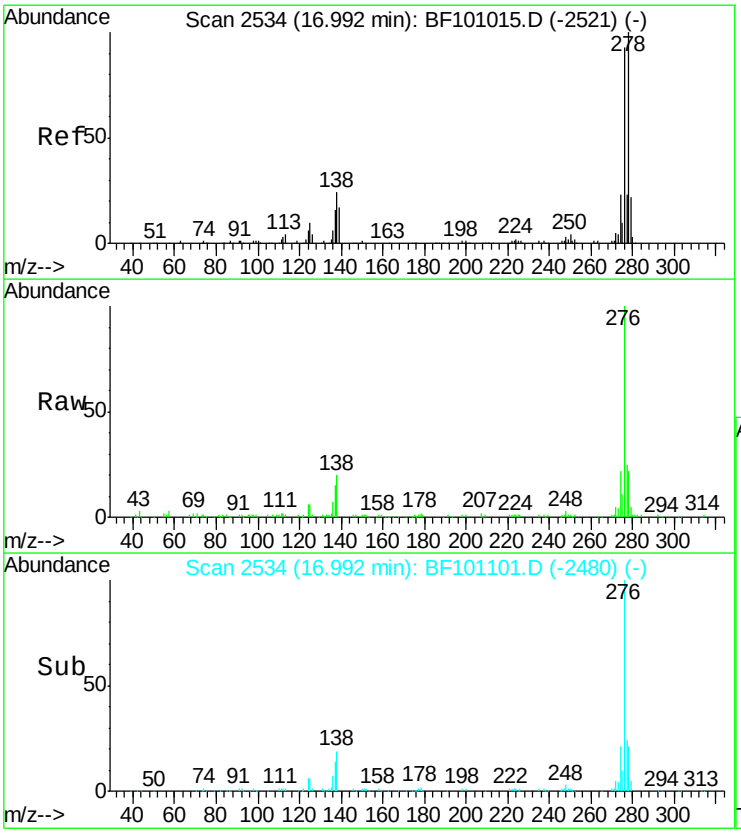

#82
Chrysene
Concen: 64.56 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:228 Resp: 389557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.0 | 37.6 |
| 229 | 19.8 | 16.2 | 24.4 |

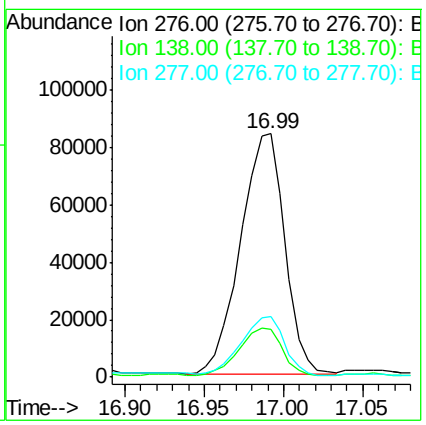


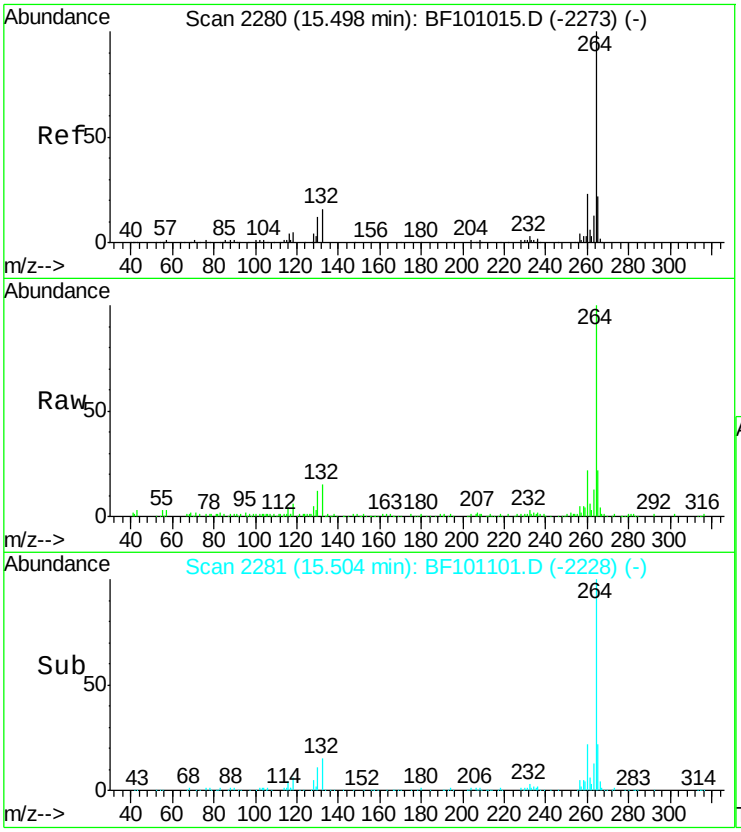




#85
Indeno(1,2,3-cd)pyrene
Concen: 30.38 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:276 Resp: 162980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.9 | 25.0 | 37.6# |
| 277 | 24.0 | 20.1 | 30.1 |



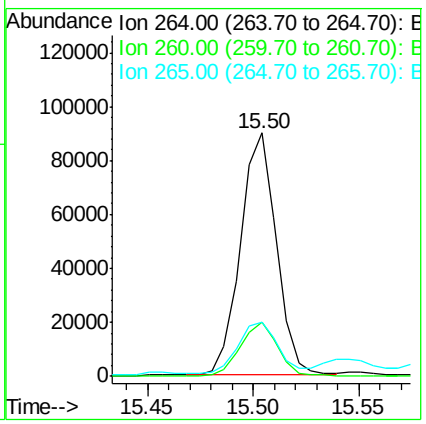


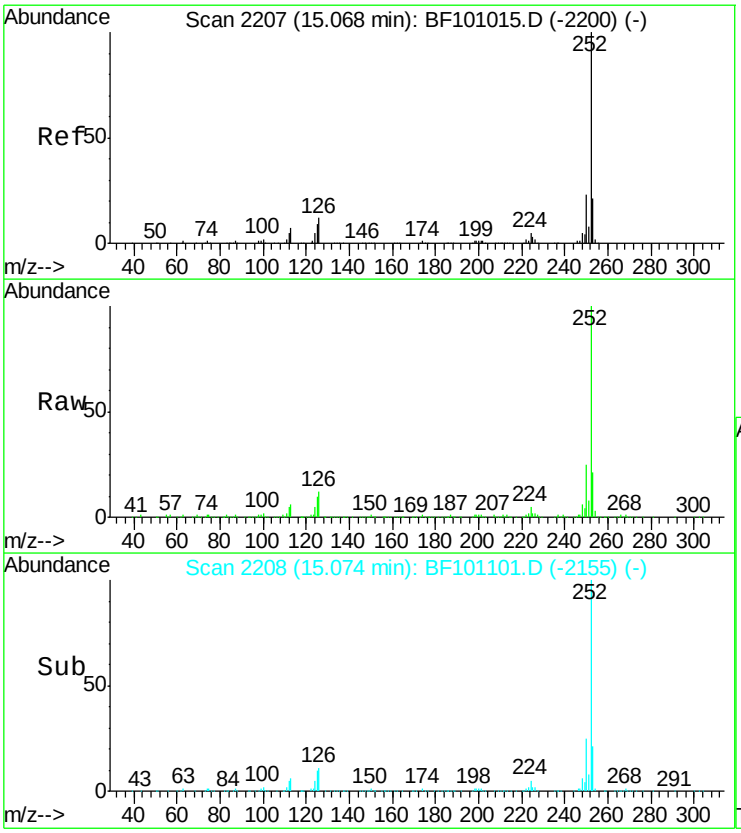

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:264 Resp: 106481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.3 | 19.2 | 28.8 |
| 265 | 22.0 | 17.5 | 26.3 |

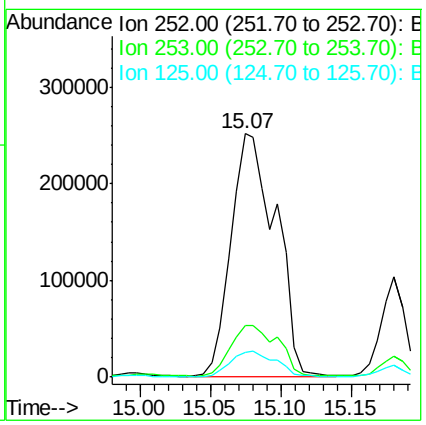


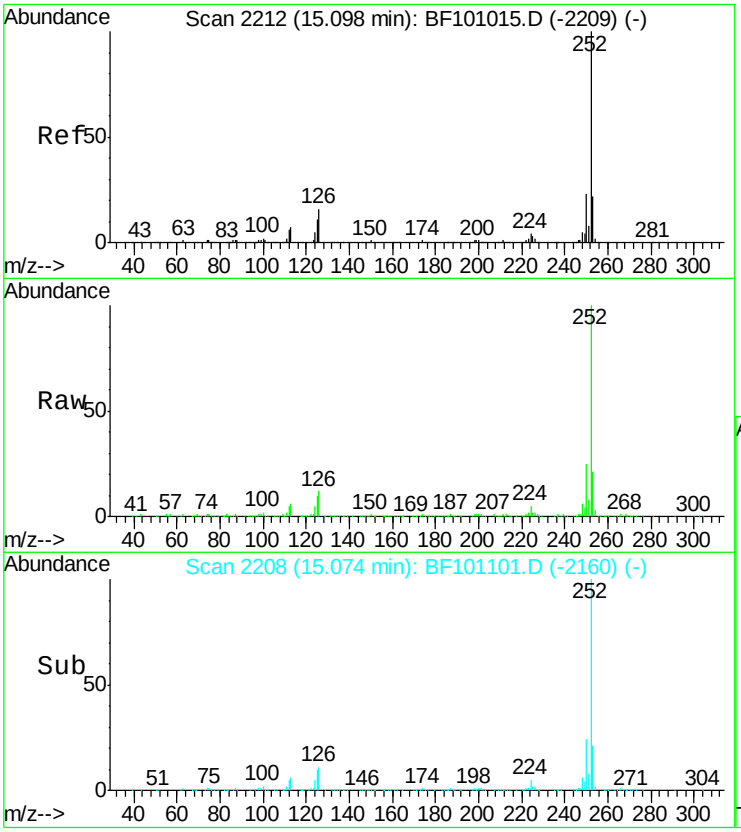




#87
Benzo(b)fluoranthene
Concen: 86.82 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:252 Resp: 553711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.0 | 25.6 |
| 125 | 10.3 | 9.0 | 13.6 |



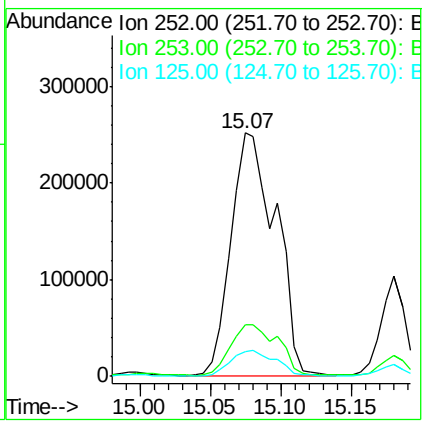


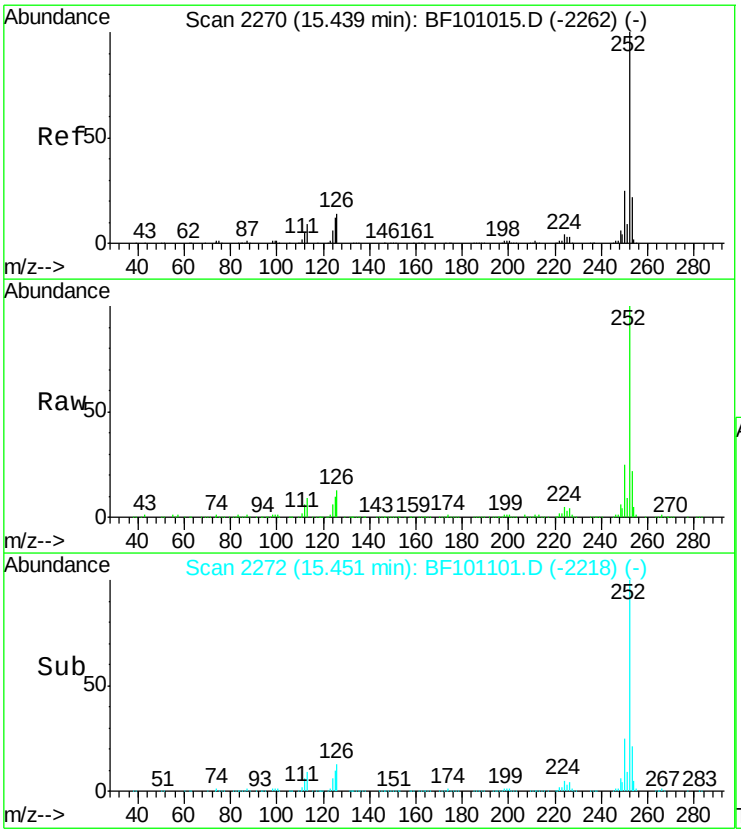

#88
Benzo(k)fluoranthene
Concen: 88.12 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:252 Resp: 553711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.9 | 26.9 |
| 125 | 10.3 | 10.2 | 15.2 |

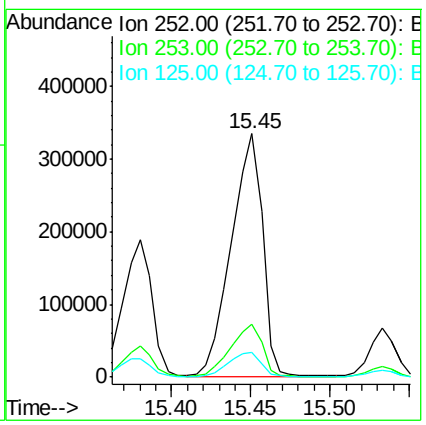


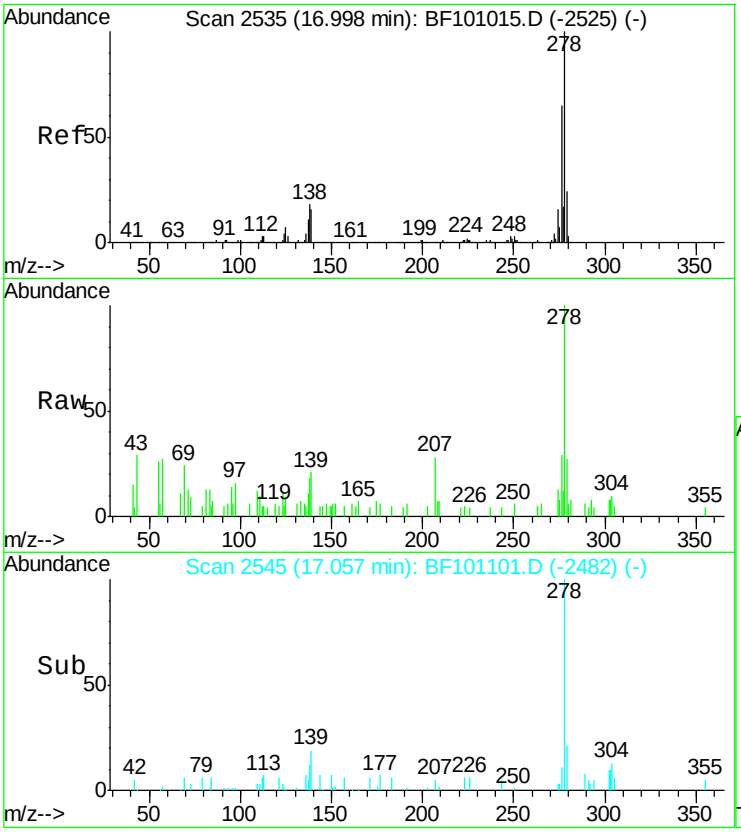




#89
Benzo(a)pyrene
Concen: 78.47 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:252 Resp: 455022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.1 | 25.7 |
| 125 | 10.1 | 9.8 | 14.6 |



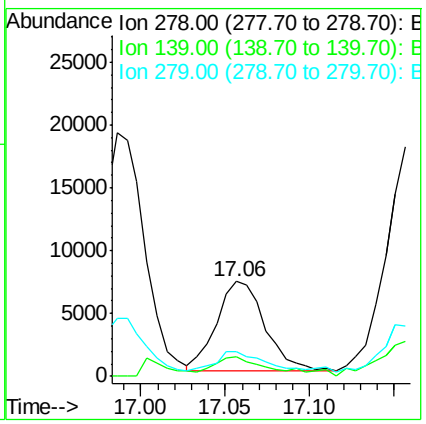


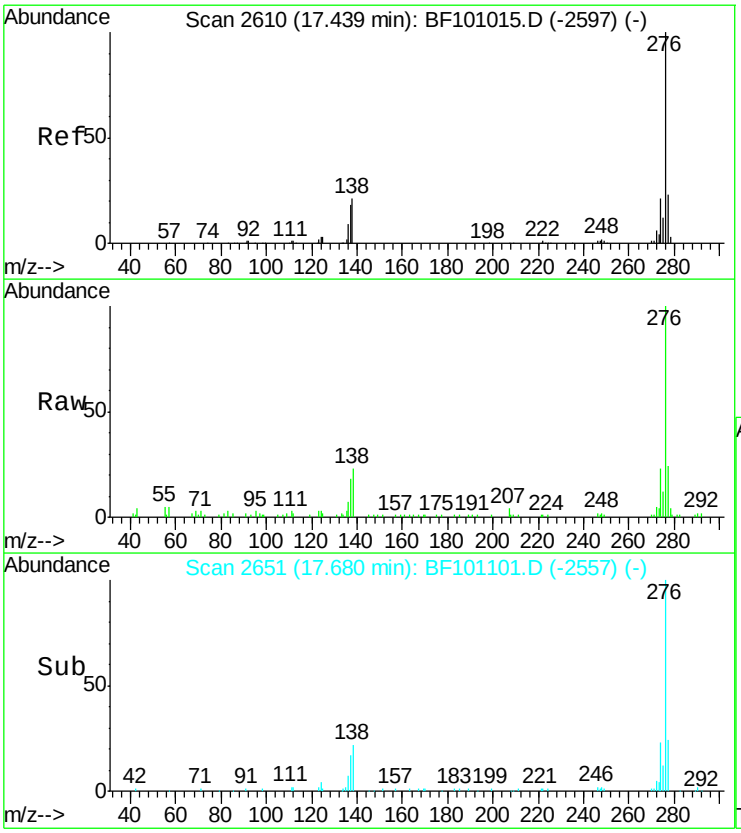

#90
Dibenzo(a,h)anthracene
Concen: 2.73 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.07 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

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

Tgt Ion:278 Resp: 13961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.2 | 15.9 | 23.9 |
| 279 | 26.7 | 19.0 | 28.4 |




#91
Benzo(g,h,i)perylene
Concen: 17.40 ng
RT: 17.68 min Scan# 2651
Delta R.T. 0.25 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:276 Resp: 83844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 17.9 | 26.9 |
| 138 | 22.6 | 21.8 | 32.8 |