Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
Data File : BF107919.D
Acq On : 2 Aug 2018 19:45
Operator : JU/SJ
Sample : J4260-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-LINER-RO-135

Quant Time: Aug 03 00:55:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 117678 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.24 | 136 | 511321 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 189531 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 340075 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.14 | 240 | 359038 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.68 | 264 | 278575 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 153678 | 22.19 | ng | 0.02 |
| 7) Phenol-d6 | 6.61 | 99 | 326845 | 35.82 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 206251 | 23.24 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 54770 | 21.27 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 483480 | 35.55 | ng | -0.01 |
| 78) Terphenyl-d14 | 13.07 | 244 | 490611 | 29.63 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.83 | 88 | 265 | 5.865 | ng | # 48 |
| 3) Pyridine | 3.50 | 79 | 109 | 6.266 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.53 | 70 | 21509 | 3.716 | ng | # 85 |
| 25) Isophorone | 7.53 | 82 | 206251 | 14.157 | ng | # 64 |
| 50) 2,6-Dinitrotoluene | 10.00 | 165 | 24055 | 7.776 | ng | # 24 |
| 51) Acenaphthene | 10.02 | 154 | 50123 | 4.279 | ng | 98 |
| 54) Dibenzofuran | 10.21 | 168 | 38923 | 2.150 | ng | 93 |
| 55) 4-Nitrophenol | 10.21 | 139 | 14652 | 16.370 | ng | # 9 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 24055 | 5.917 | ng | # 21 |
| 57) Fluorene | 10.55 | 166 | 55860 | 3.970 | ng | 94 |
| 70) Phenanthrene | 11.51 | 178 | 339521 | 21.026 | ng | 97 |
| 71) Anthracene | 11.51 | 178 | 339521 | 18.229 | ng | 98 |
| 74) Fluoranthene | 12.71 | 202 | 218622 | 11.524 | ng | 94 |
| 77) Pyrene | 12.94 | 202 | 149226 | 5.772 | ng | 98 |

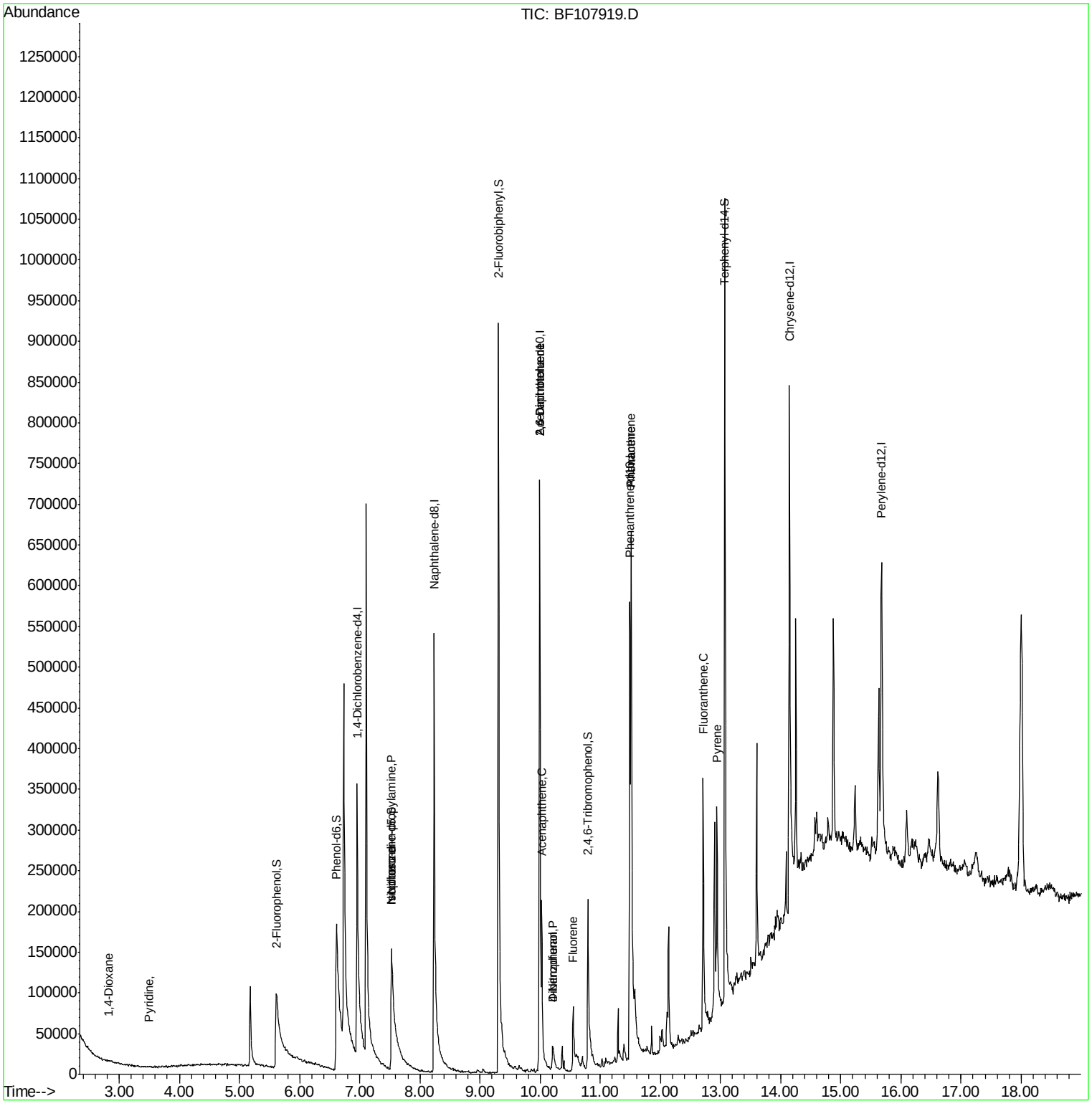
(#) = qualifier out of range (m) = manual integration (+) = signals summed

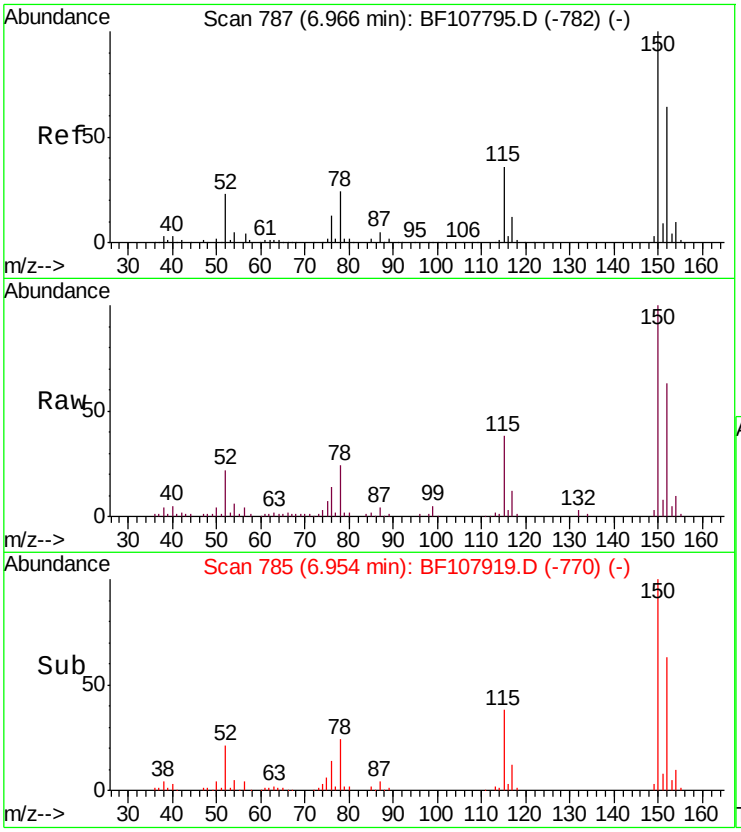
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
Data File : BF107919.D
Acq On : 2 Aug 2018 19:45
Operator : JU/SJ
Sample : J4260-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Quant Time: Aug 03 00:55:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration



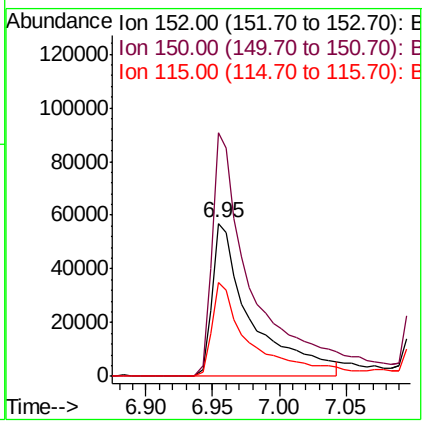


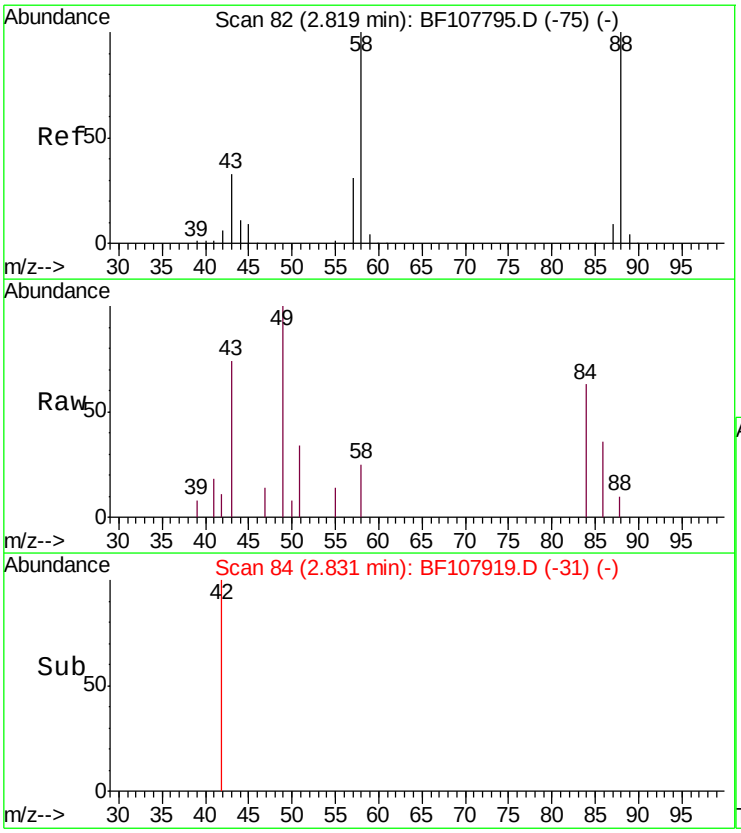

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:152 Resp: 117678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.2 | 124.6 | 186.8 |
| 115 | 61.2 | 50.1 | 75.1 |

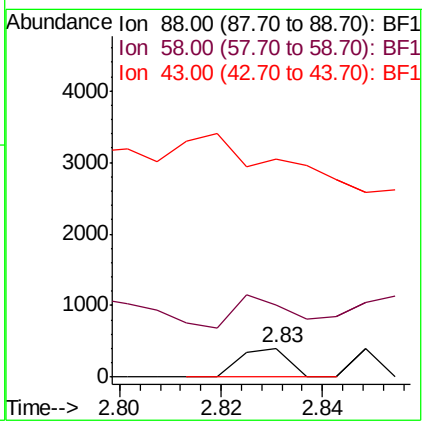


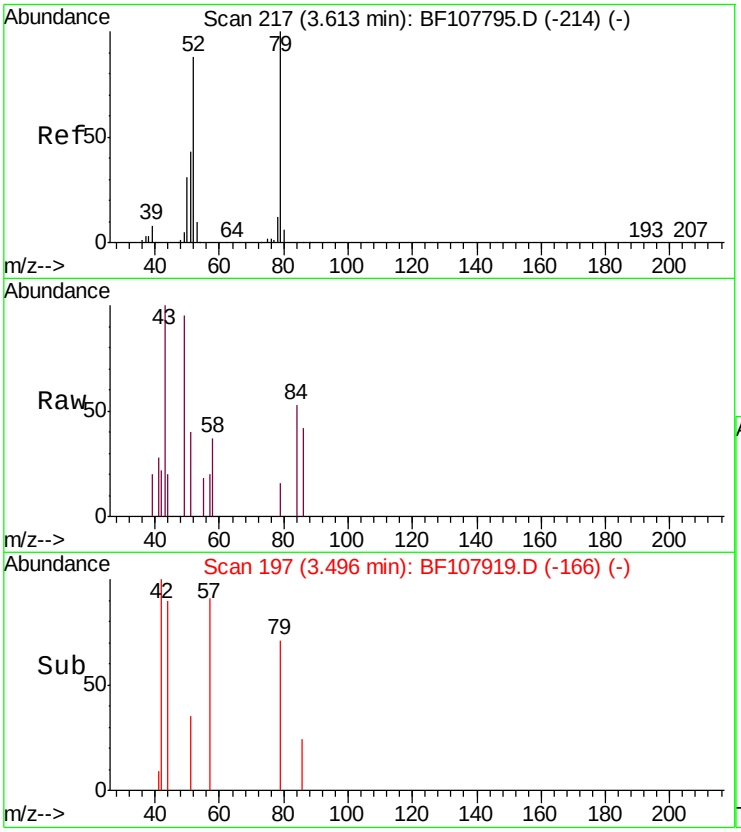




#2
1,4-Dioxane
Concen: 5.865 ng
RT: 2.83 min Scan# 84
Delta R.T. 0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion: 88 Resp: 265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 122.3 | 62.6 | 93.8# |
| 43 | 0.0 | 24.6 | 37.0# |



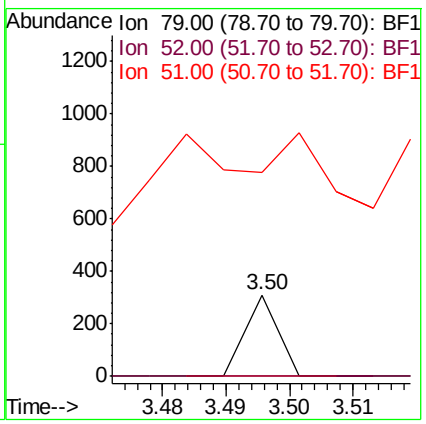


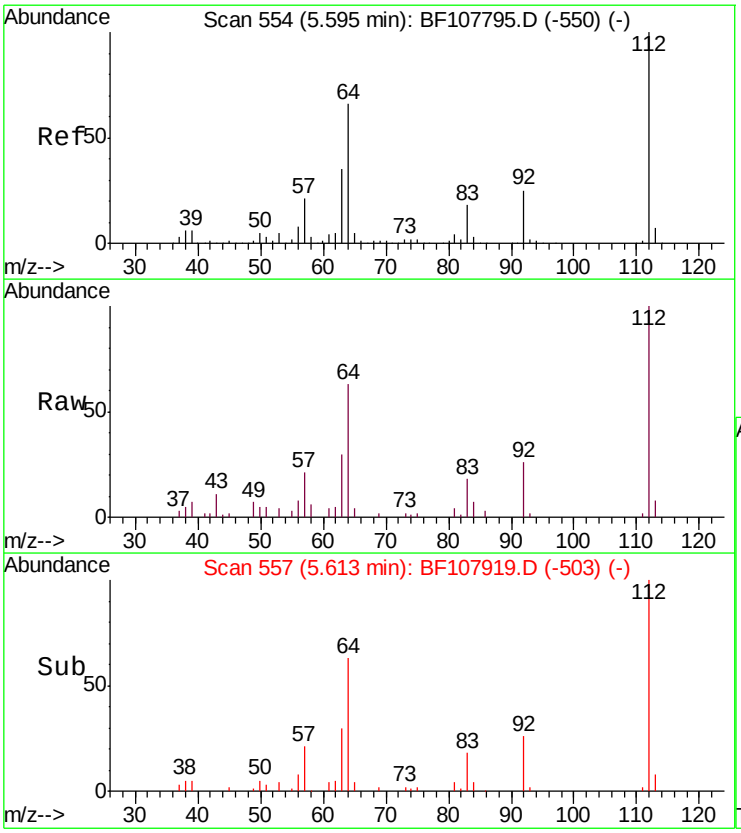

#3
Pyridine
Concen: 6.266 ng
RT: 3.50 min Scan# 197
Delta R.T. -0.12 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion: 79 Resp: 109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 0.0 | 59.8 | 89.6# |
| 51 | 251.3 | 29.8 | 44.8# |

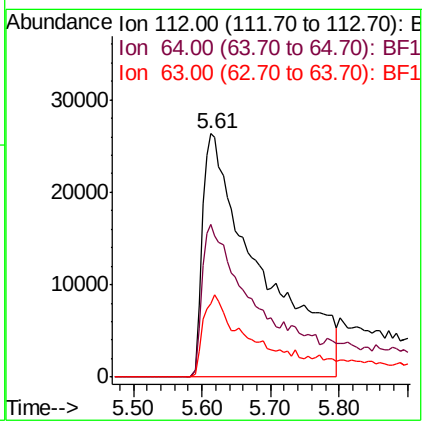


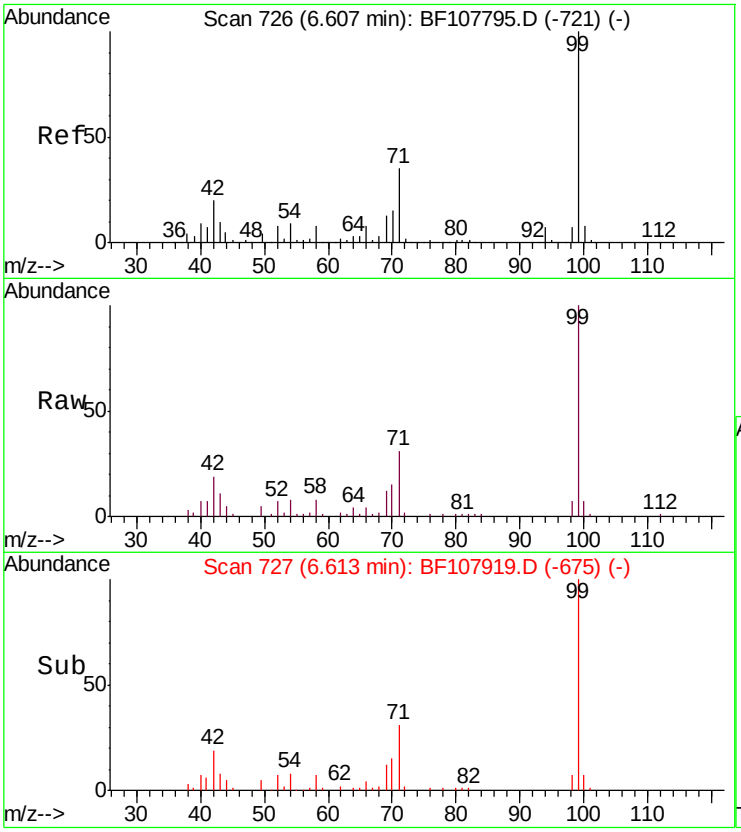




#5
2-Fluorophenol
Concen: 22.195 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:112 Resp: 153678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.7 | 47.9 | 71.9 |
| 63 | 30.4 | 23.7 | 35.5 |



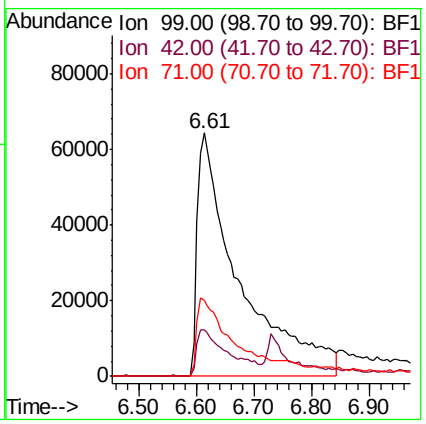


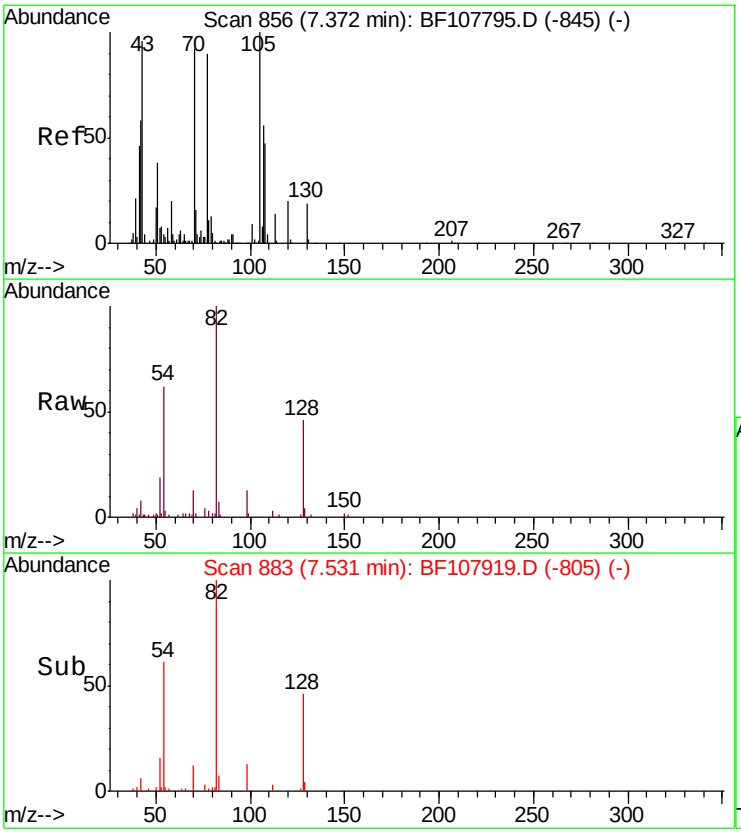

#7
Phenol-d6
Concen: 35.817 ng
RT: 6.61 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion: 99 Resp: 326845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 14.5 | 21.7 |
| 71 | 31.0 | 25.4 | 38.0 |

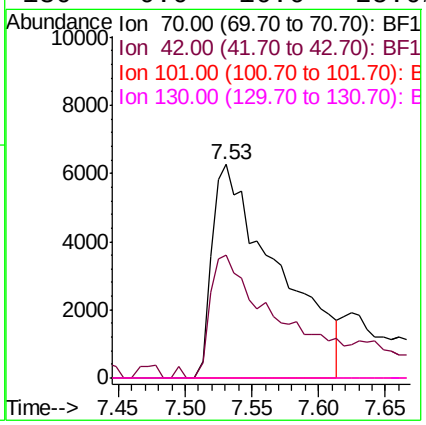


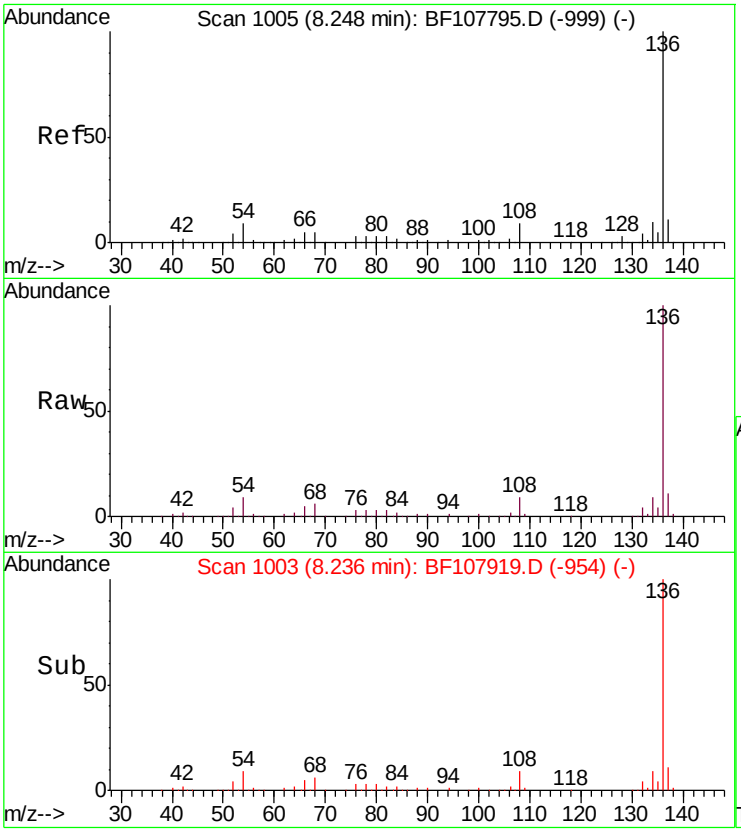




#19
n-Nitroso-di-n-propylamine
Concen: 3.716 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion: 70 Resp: 21509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.5 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 16.6 | 25.0# |



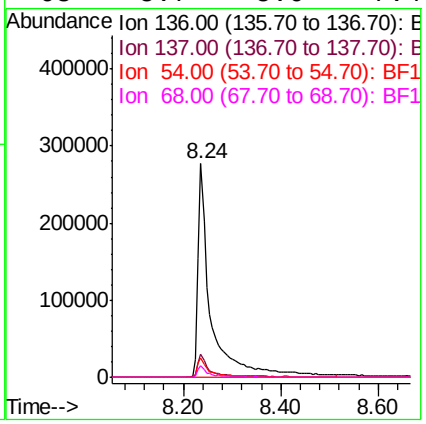


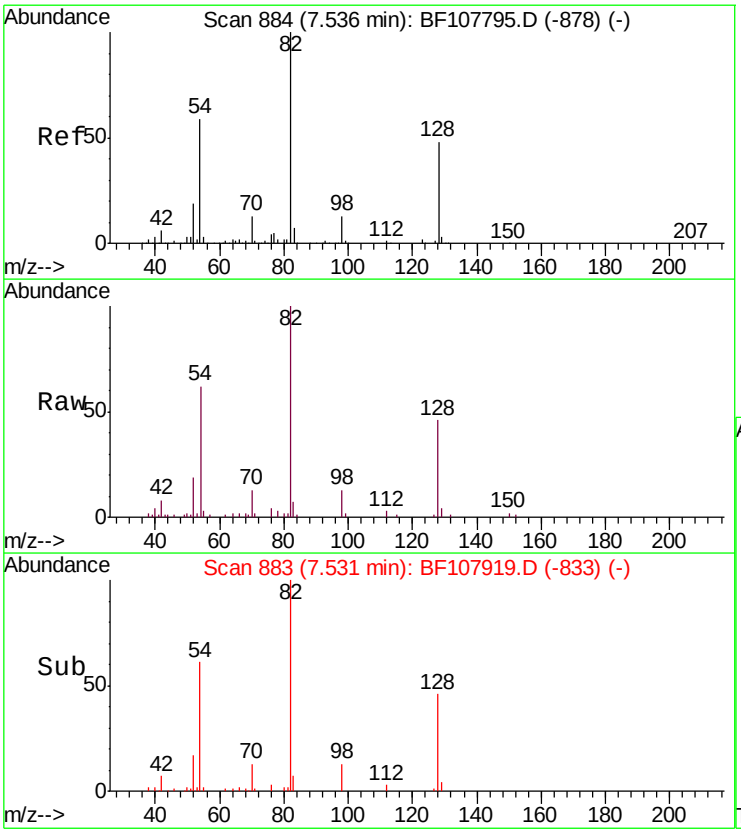

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:136 Resp: 511321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 9.3 | 6.6 | 9.8 |
| 68 | 5.7 | 5.0 | 7.4 |

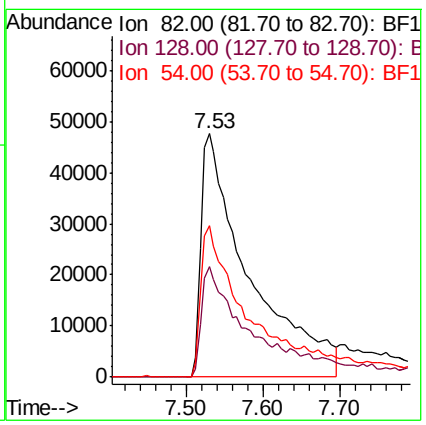


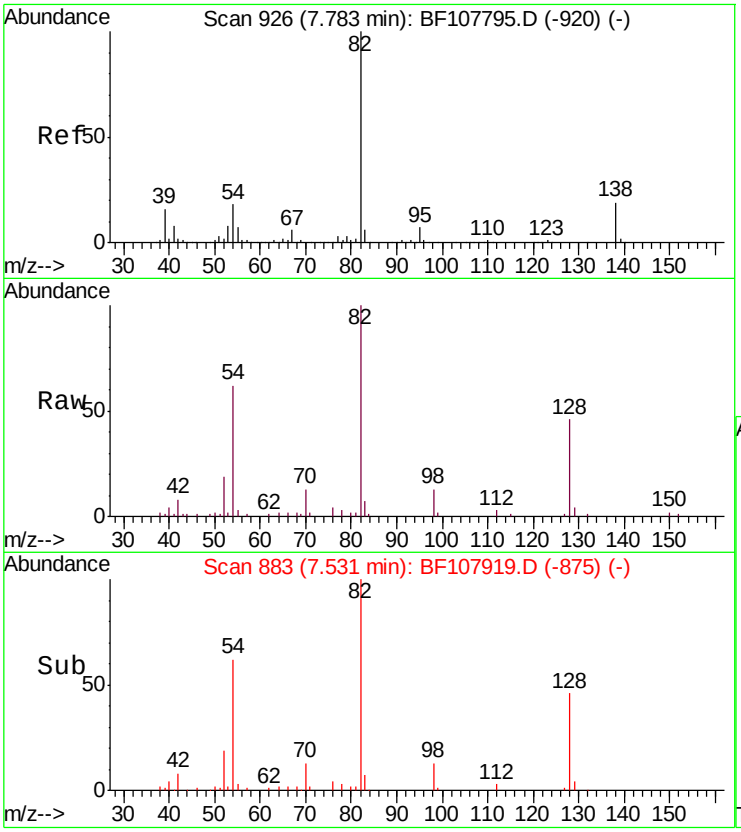




#23
Nitrobenzene-d5
Concen: 23.238 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion: 82 Resp: 206251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.6 | 36.1 | 54.1 |
| 54 | 62.4 | 41.4 | 62.2# |



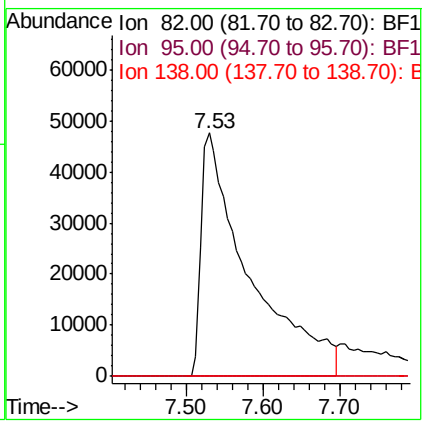


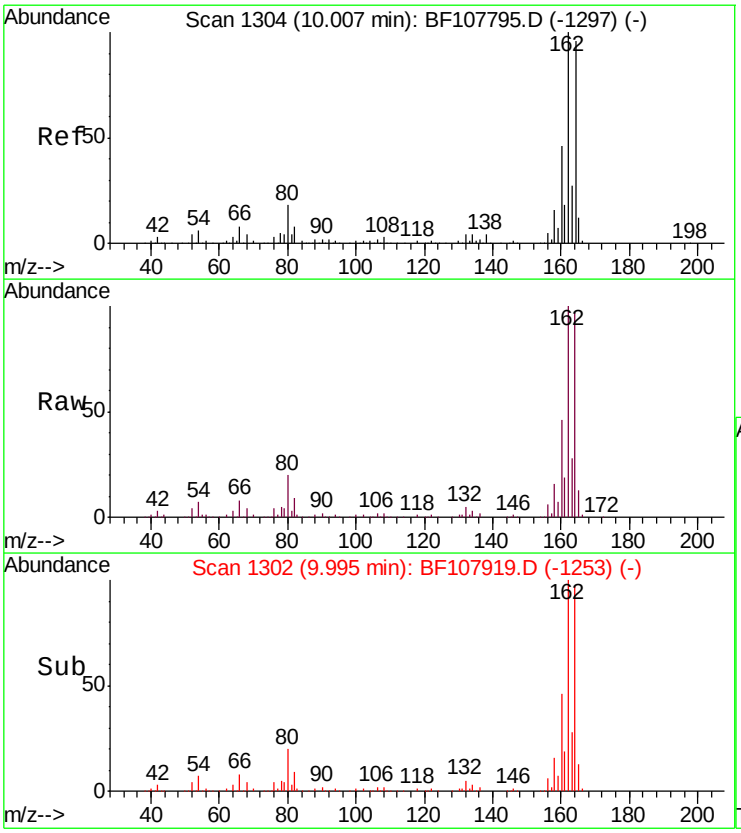

#25
Isophorone
Concen: 14.157 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion: 82 Resp: 206251

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

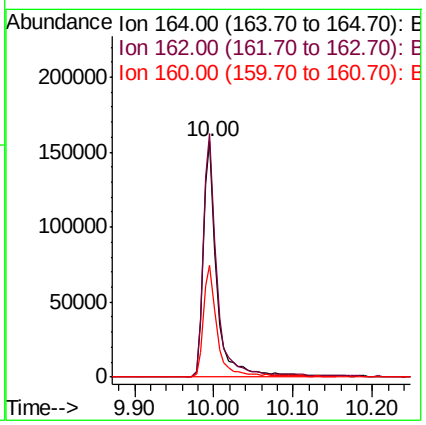


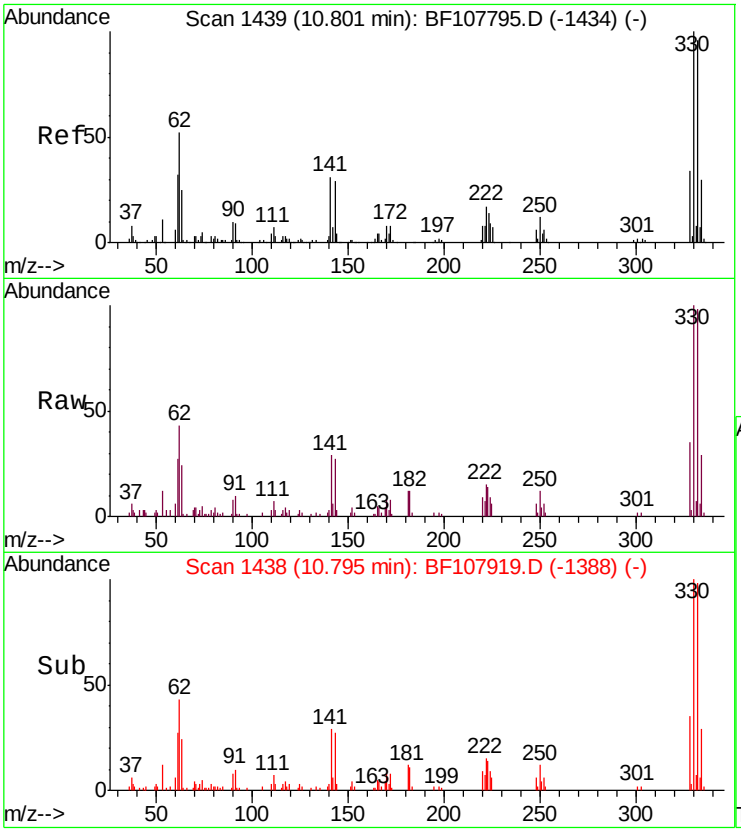




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:164 Resp: 189531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 86.1 | 129.1 |
| 160 | 47.3 | 38.3 | 57.5 |



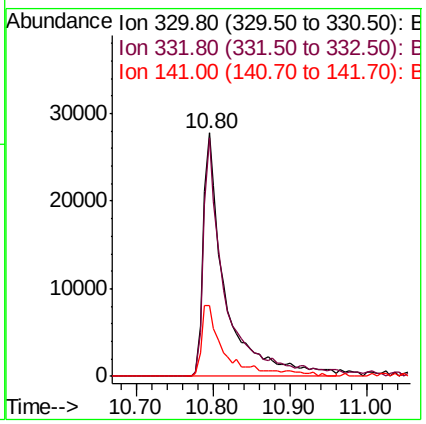


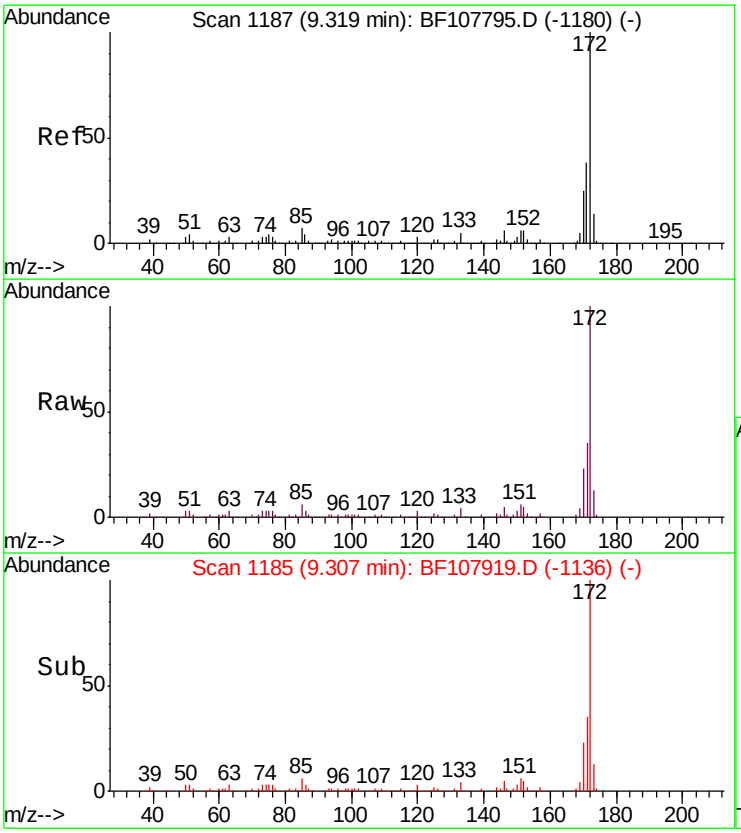

#41
2,4,6-Tribromophenol
Concen: 21.267 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:330 Resp: 54770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.3 | 77.0 | 115.6 |
| 141 | 28.1 | 29.9 | 44.9# |

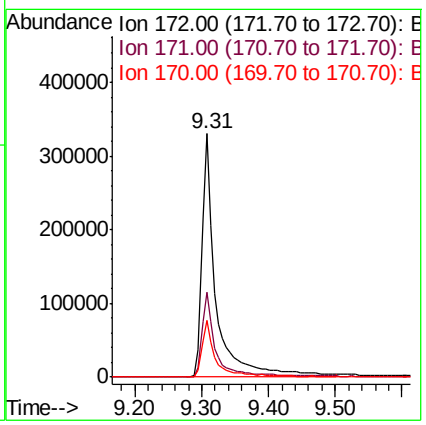


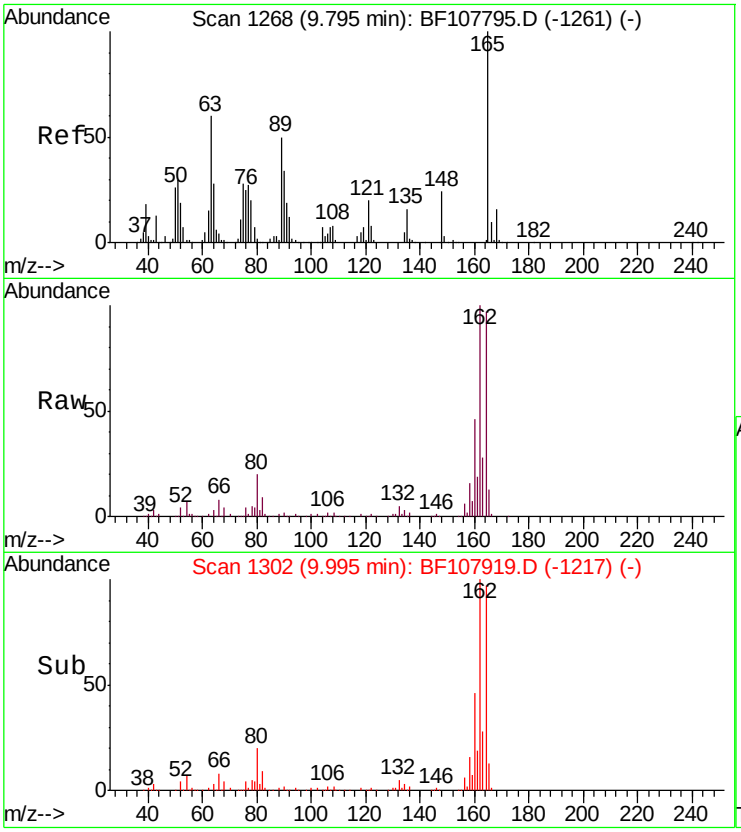




#44
2-Fluorobiphenyl
Concen: 35.547 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:172 Resp: 483480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.7 | 44.5 |
| 170 | 23.2 | 19.6 | 29.4 |



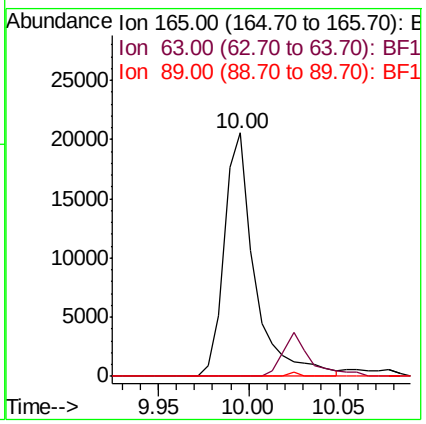


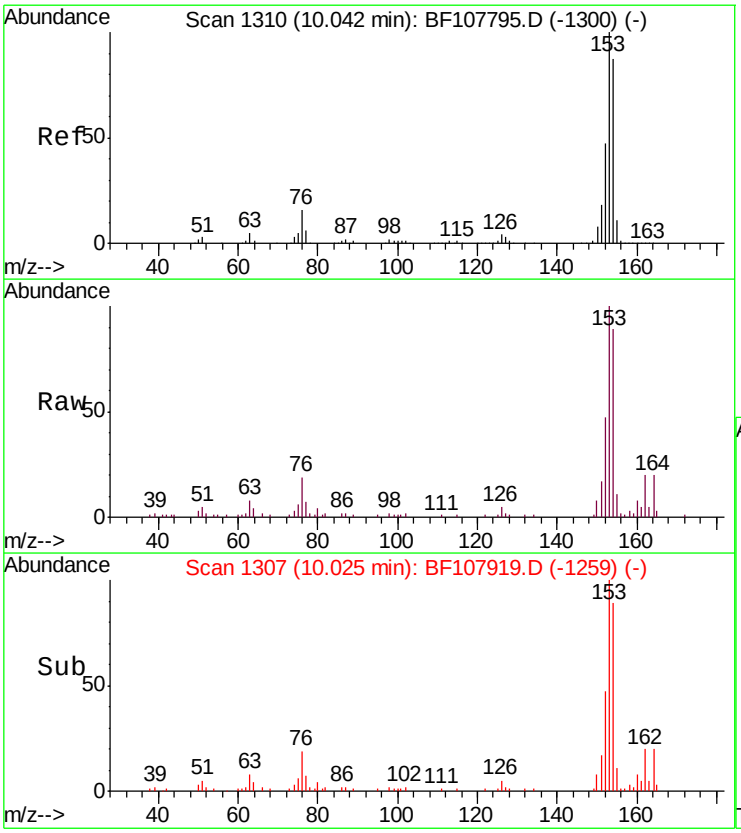

#50
2,6-Dinitrotoluene
Concen: 7.776 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:165 Resp: 24055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |

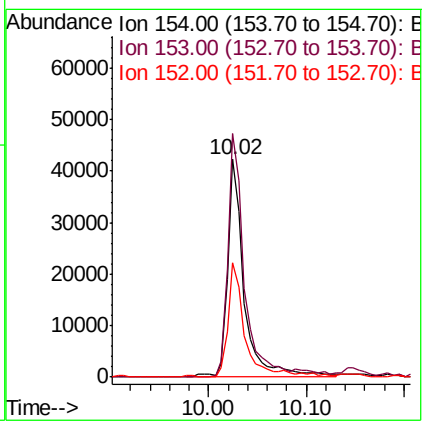


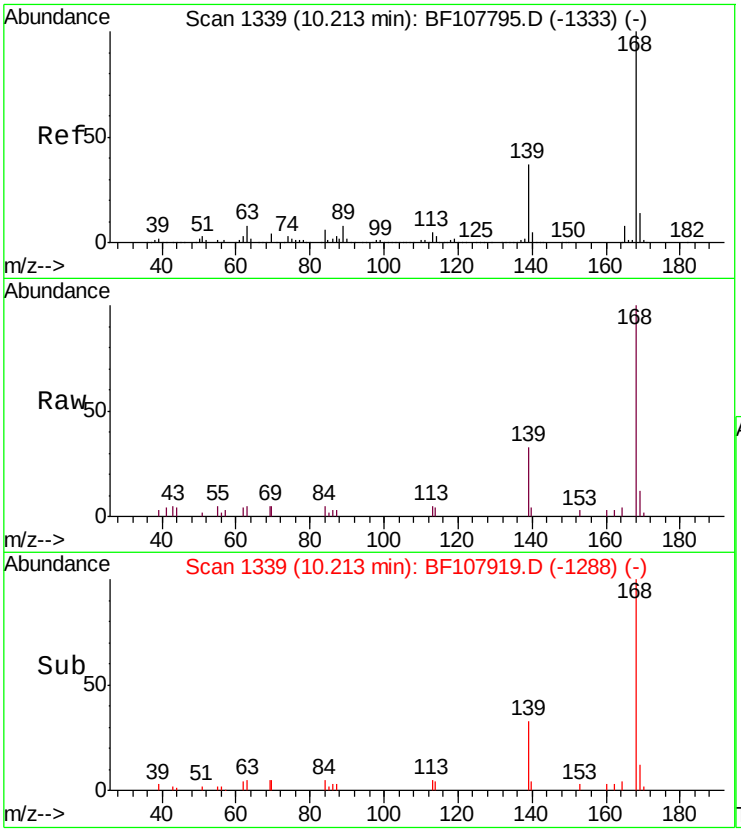




#51
Acenaphthene
Concen: 4.279 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:154 Resp: 50123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 91.2 | 136.8 |
| 152 | 52.4 | 43.8 | 65.8 |



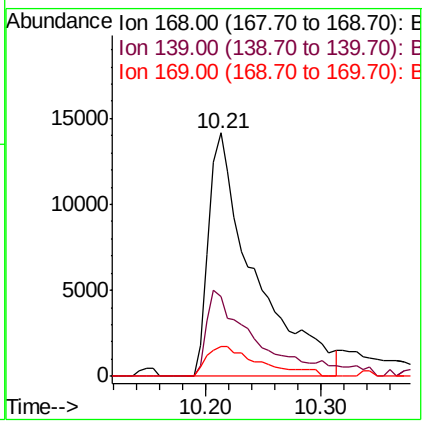


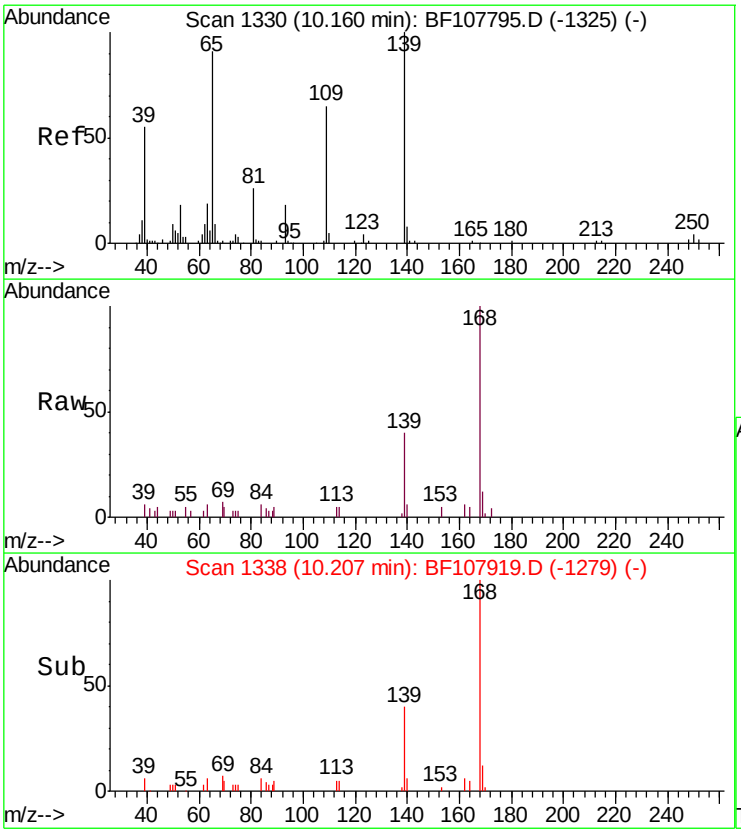

#54
Dibenzofuran
Concen: 2.150 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:168 Resp: 38923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 32.9 | 30.1 | 45.1 |
| 169 | 12.4 | 10.9 | 16.3 |

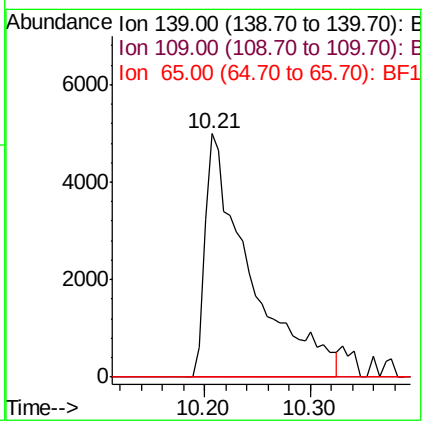


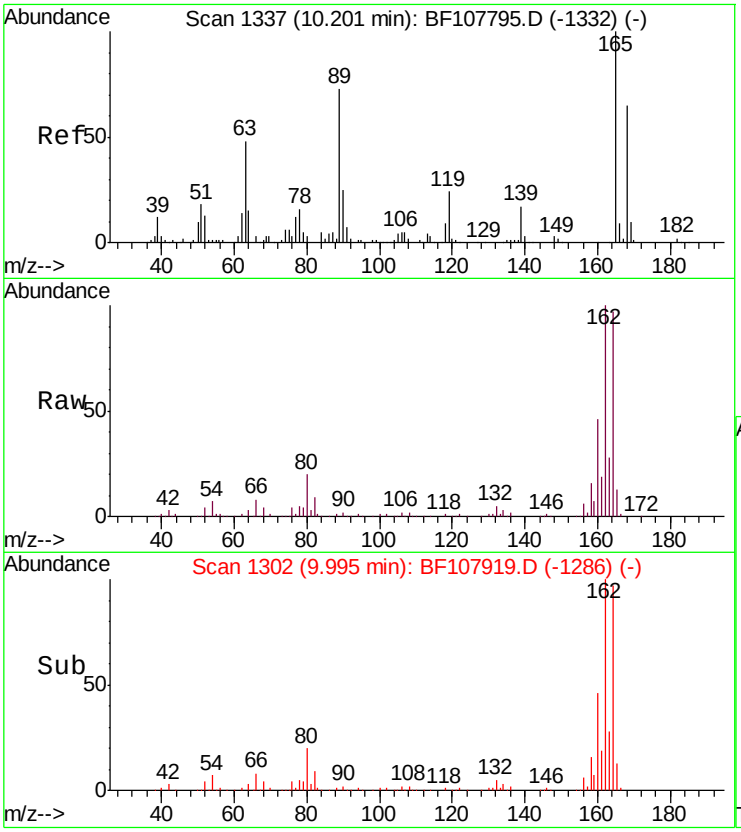




#55
4-Nitrophenol
Concen: 16.370 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.05 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:139 Resp: 14652

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



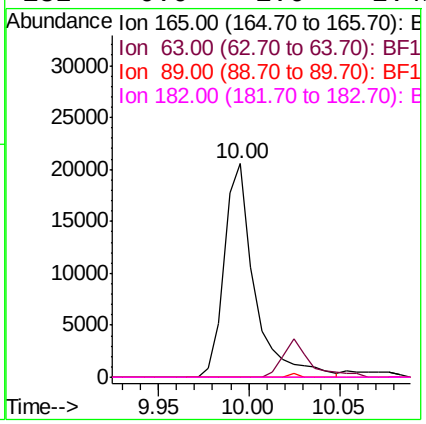


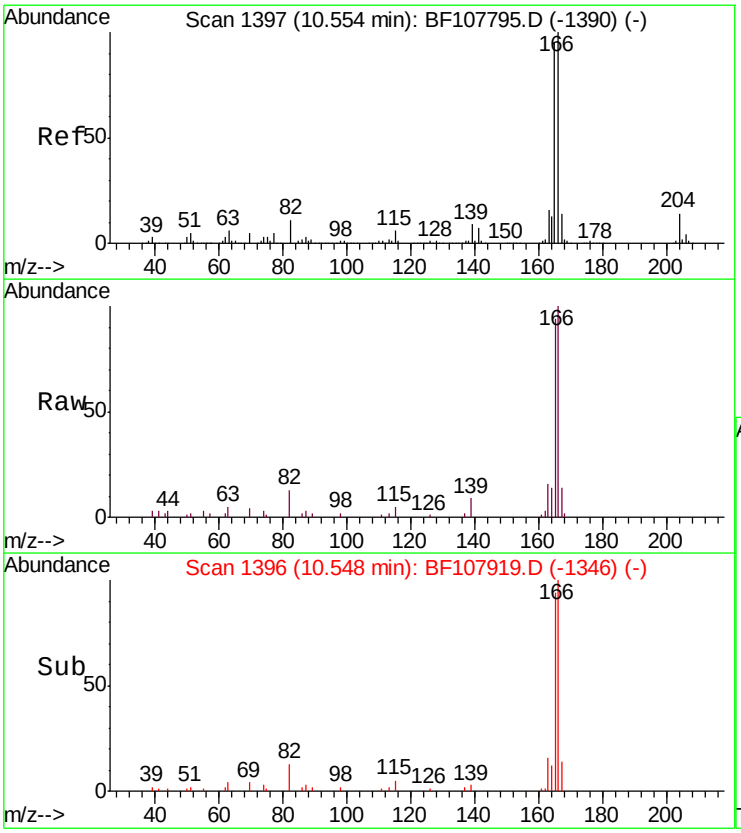

#56
2,4-Dinitrotoluene
Concen: 5.917 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:165 Resp: 24055

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

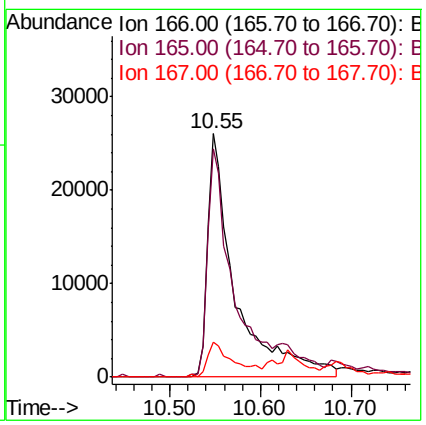


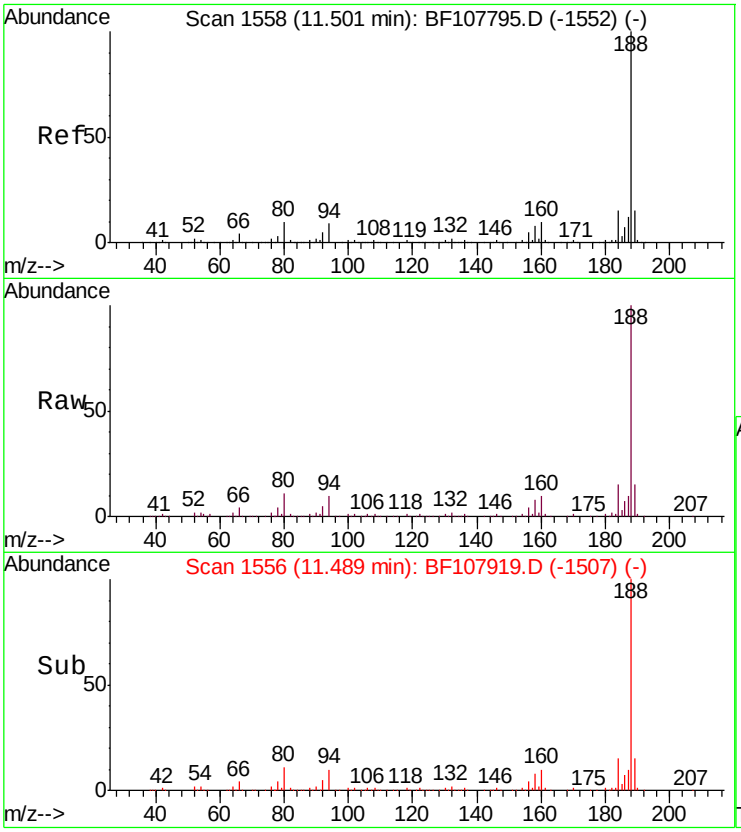




#57
Fluorene
Concen: 3.970 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:166 Resp: 55860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.5 | 79.8 | 119.8 |
| 167 | 14.1 | 10.6 | 16.0 |



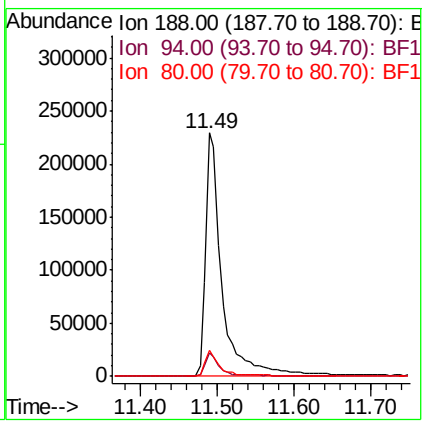


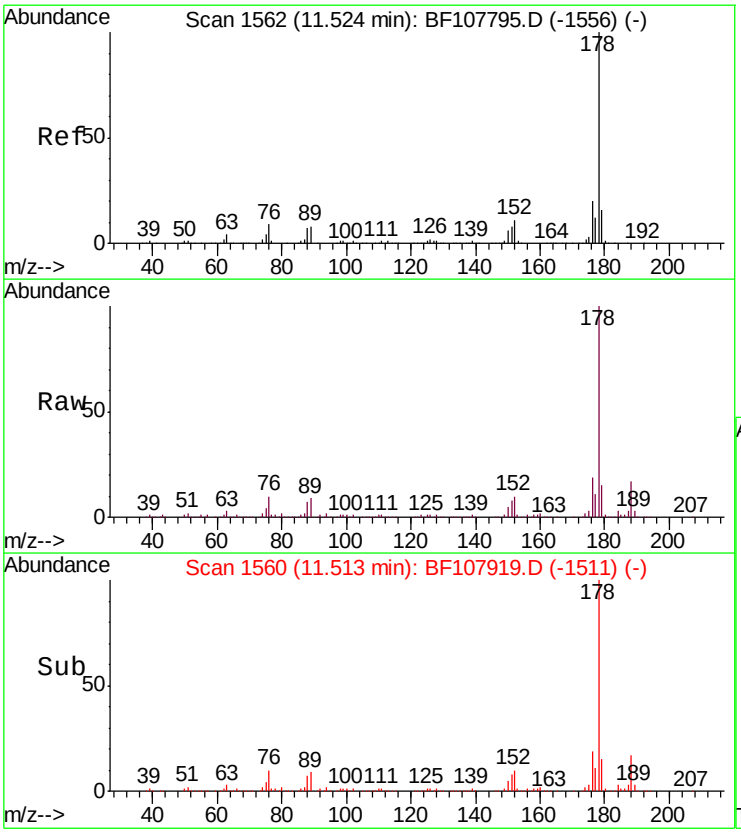

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:188 Resp: 340075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.5 | 12.7 |
| 80 | 10.6 | 9.2 | 13.8 |

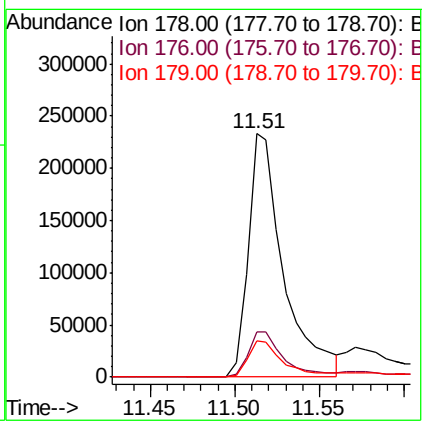


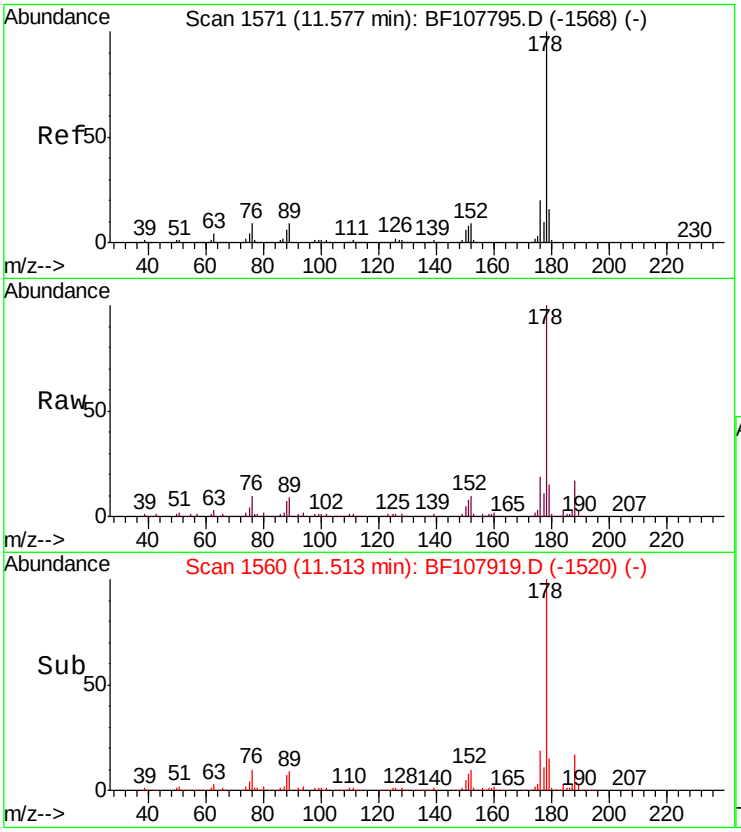




#70
Phenanthrene
Concen: 21.026 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:178 Resp: 339521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.8 | 23.8 |
| 179 | 14.7 | 13.0 | 19.6 |



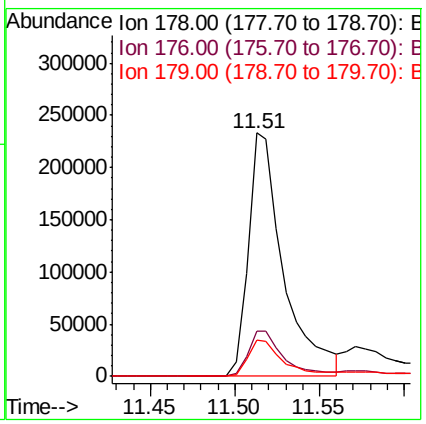


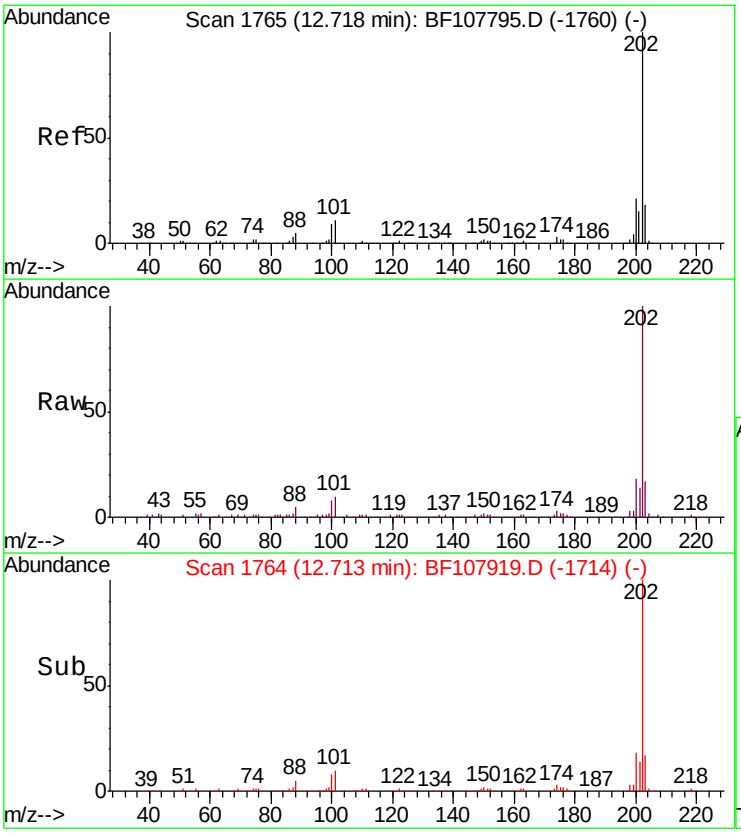

#71
Anthracene
Concen: 18.229 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:178 Resp: 339521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.4 | 23.2 |
| 179 | 14.7 | 12.6 | 19.0 |

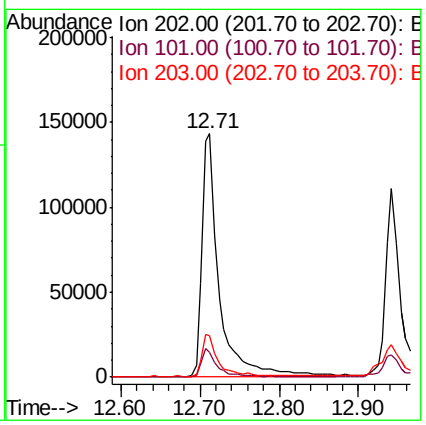


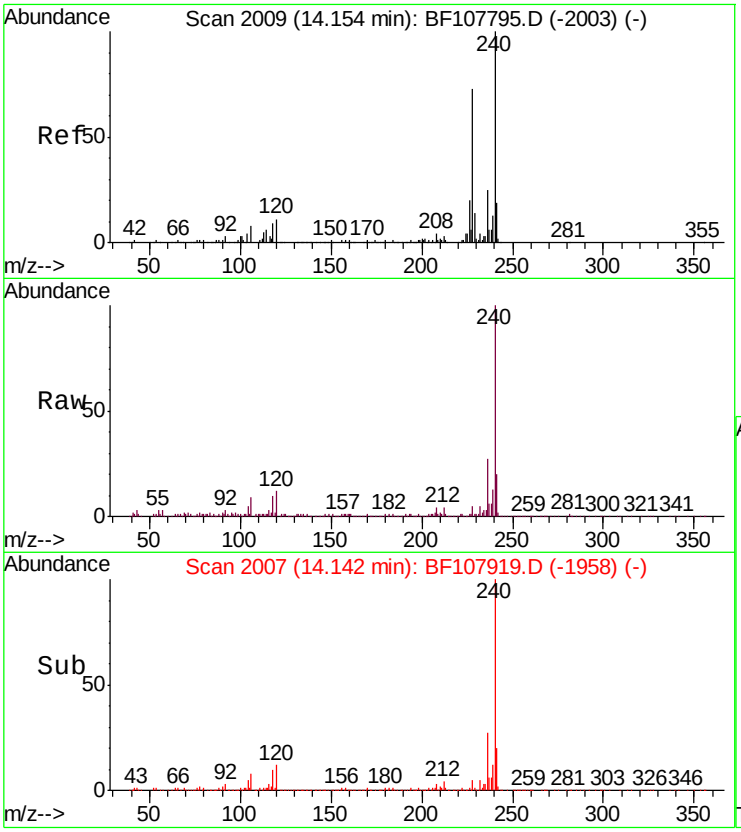




#74
Fluoranthene
Concen: 11.524 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:202 Resp: 218622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 34.1 |
| 203 | 16.7 | 0.0 | 38.1 |



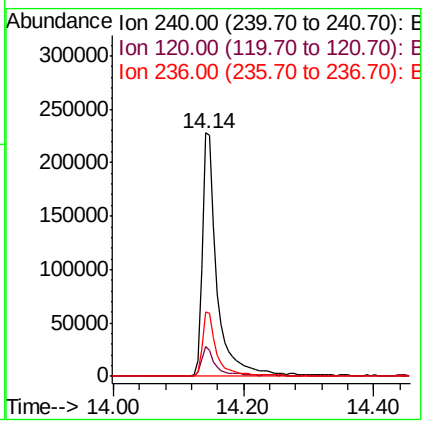


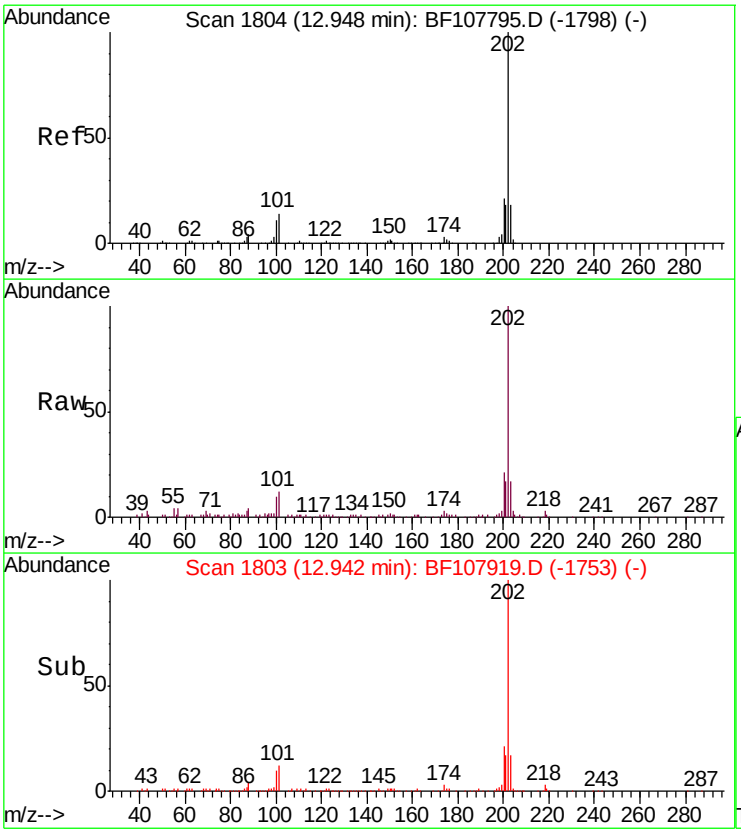

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:240 Resp: 359038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.5 | 14.3 |
| 236 | 26.6 | 20.7 | 31.1 |

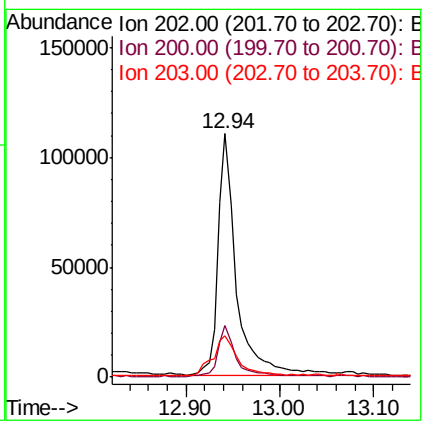


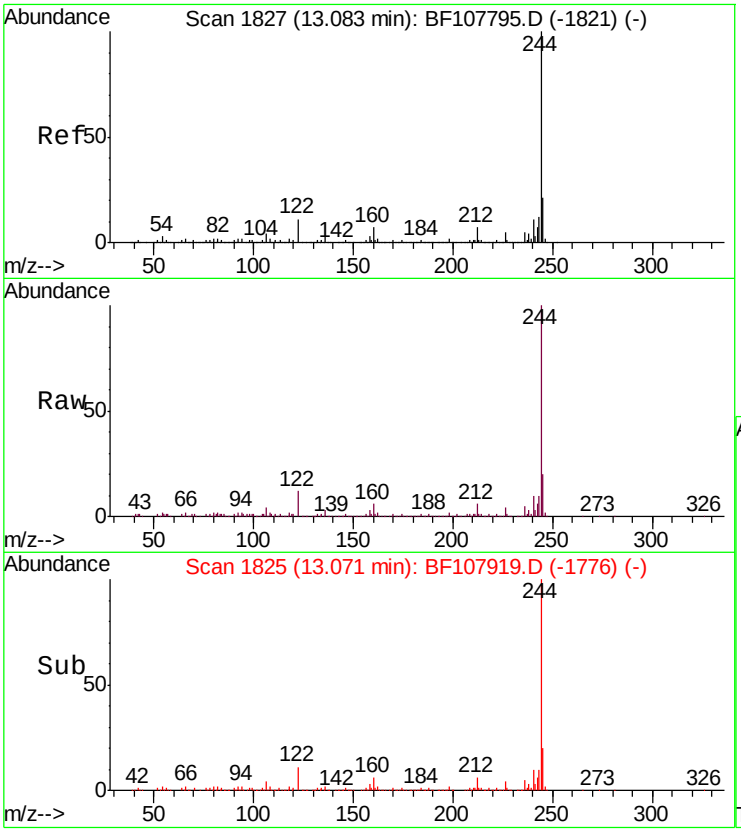




#77
Pyrene
Concen: 5.772 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:202 Resp: 149226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.4 | 26.2 |
| 203 | 17.1 | 14.3 | 21.5 |



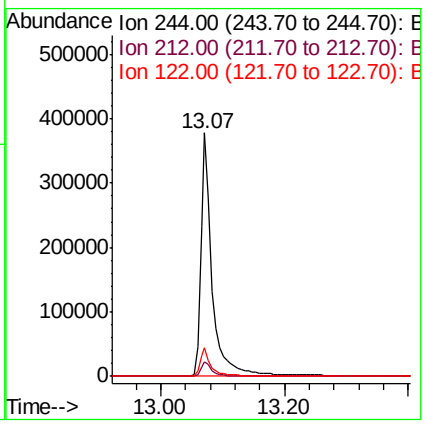


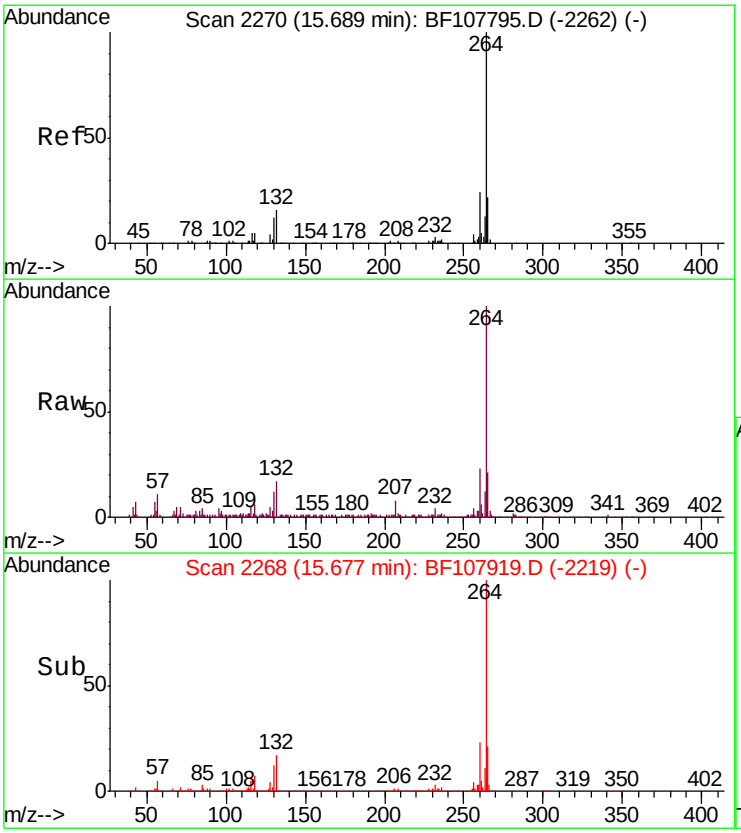

#78
Terphenyl-d14
Concen: 29.631 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

**Instrument :**
BNA_F
**ClientSampleId :**
TS-LINER-RO-135

Tgt Ion:244 Resp: 490611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.0 | 5.4 | 8.0 |
| 122 | 11.6 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:264 Resp: 278575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 21.2 | 17.5 | 26.3 |