Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113922.D
Acq On : 23 Apr 2019 16:07
Operator : JU/SJ
Sample : K2201-09 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PL-01-041819-E

Quant Time: Apr 23 16:56:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 373066 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 1309836 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 601713 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 1130638 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 1096618 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.56 | 264 | 911554 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 482961 | 22.14 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 620164 | 22.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 368827 | 17.39 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 161456 | 22.03 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 689723 | 17.93 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 841823 | 15.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 50) Dimethylphthalate | 9.64 | 163 | 121165 | 2.784 | ng | | 99 |
| 71) Phenanthrene | 11.45 | 178 | 181613 | 3.196 | ng | | 97 |
| 75) Fluoranthene | 12.63 | 202 | 359519 | 5.799 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 359132 | 4.683 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 208750 | 3.231 | ng | | 95 |
| 83) Chrysene | 14.09 | 228 | 197646 | 3.141 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 198428 | 3.441 | ng | # | 90 |
| 90) Benzo(a)pyrene | 15.49 | 252 | 131642 | 2.639 | ng | # | 92 |

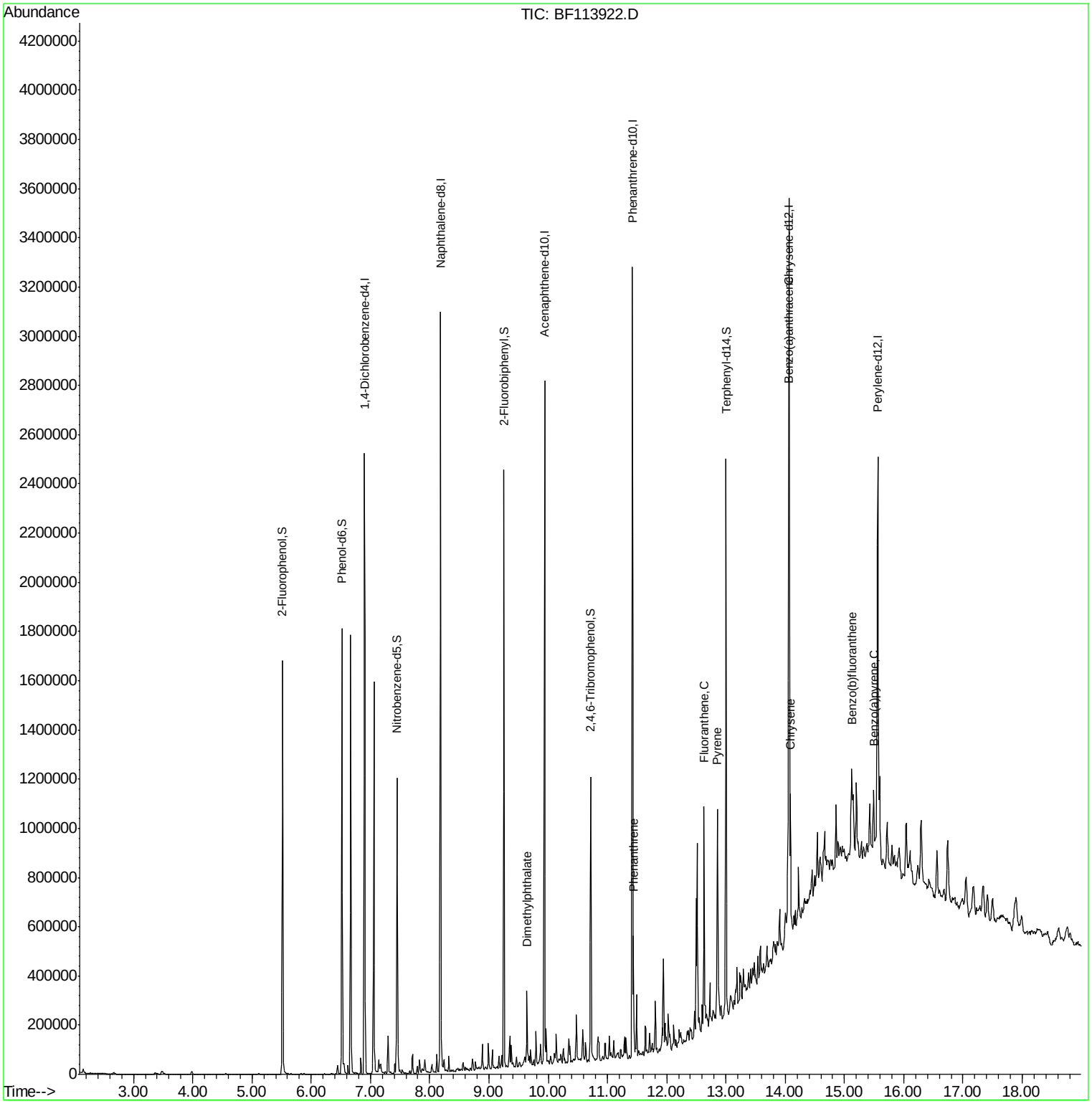
(#) = qualifier out of range (m) = manual integration (+) = signals summed

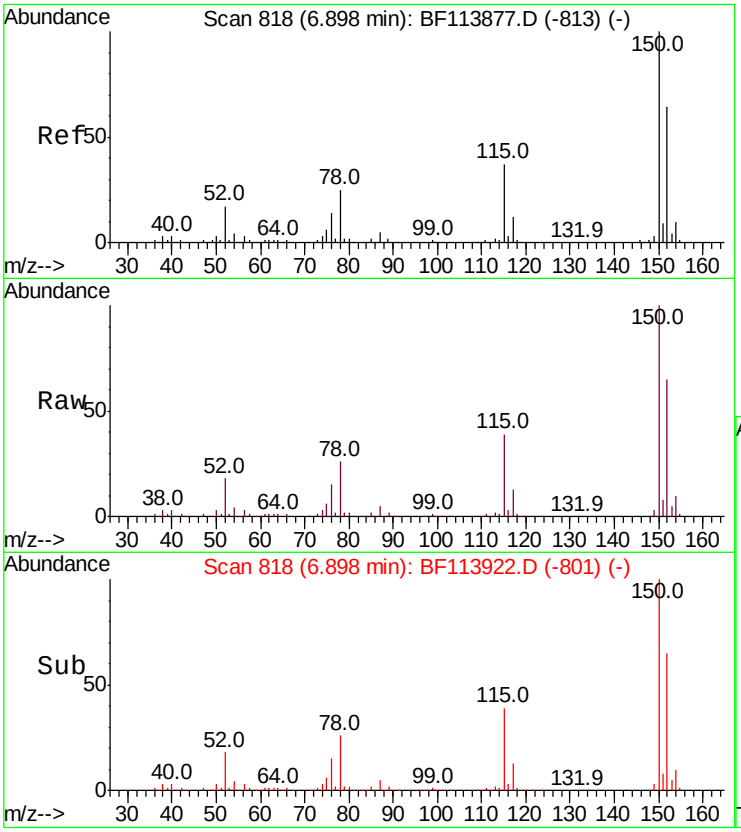
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113922.D
Acq On : 23 Apr 2019 16:07
Operator : JU/SJ
Sample : K2201-09 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Quant Time: Apr 23 16:56:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration



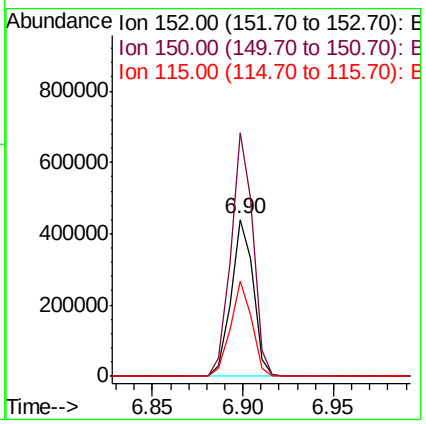


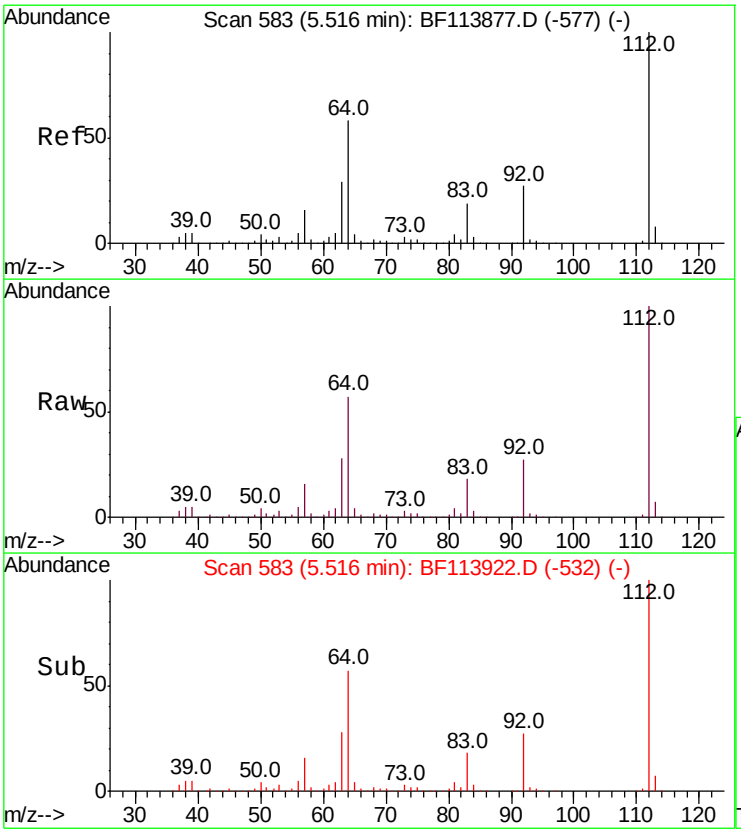

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:152 Resp: 373066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 125.9 | 188.9 |
| 115 | 60.3 | 45.9 | 68.9 |

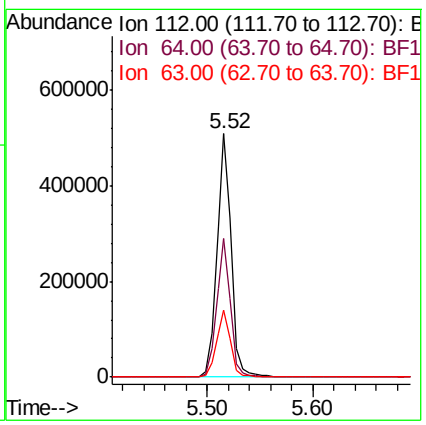


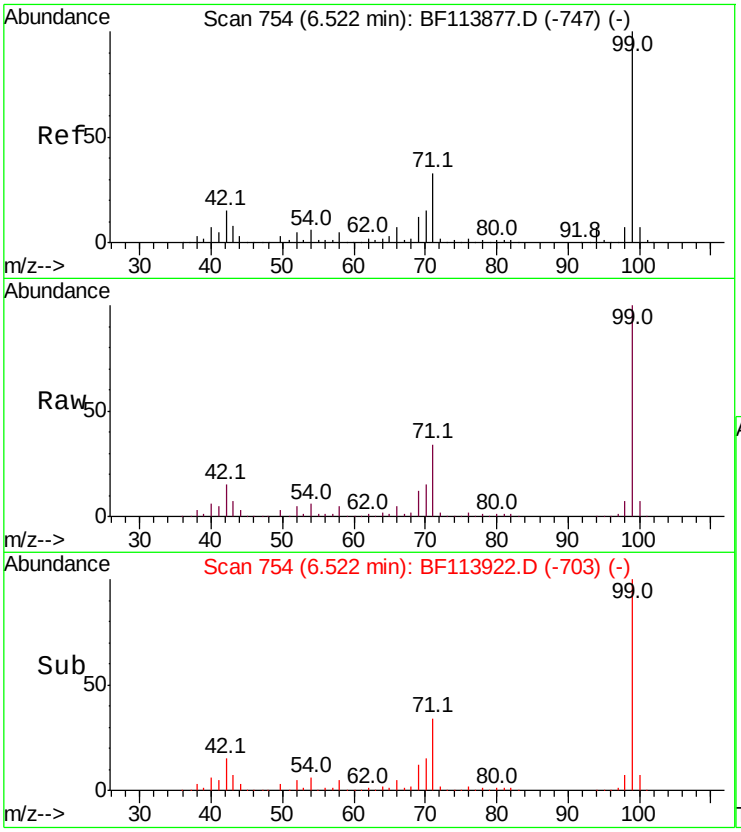




#5
2-Fluorophenol
Concen: 22.142 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:112 Resp: 482961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.8 | 46.6 | 69.8 |
| 63 | 27.6 | 23.1 | 34.7 |



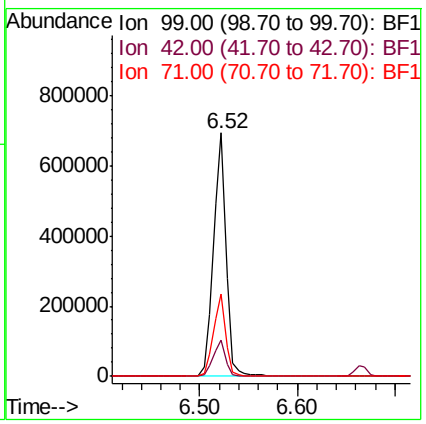


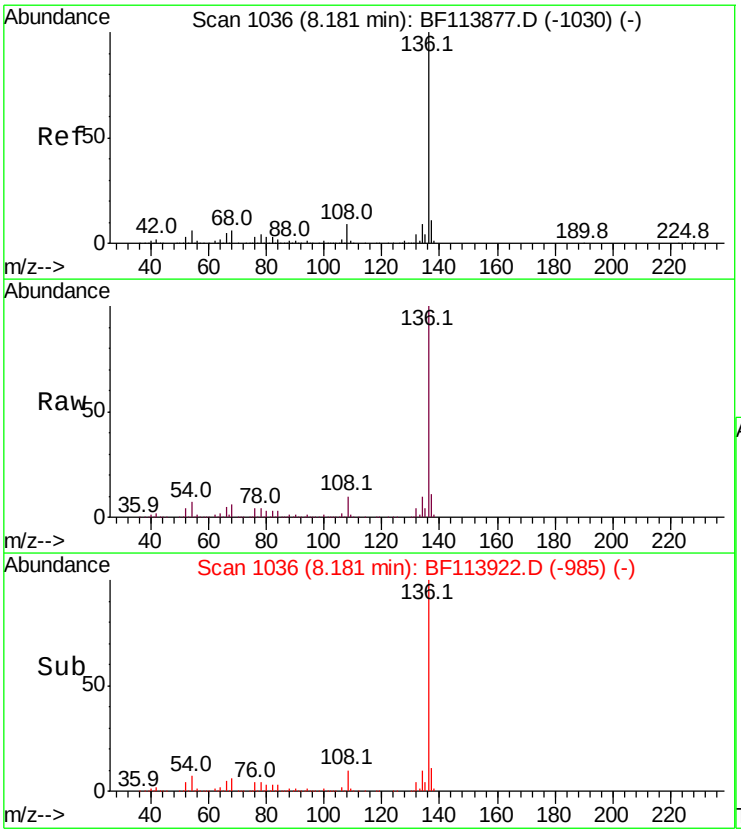

#7
Phenol-d6
Concen: 22.662 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion: 99 Resp: 620164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.8 | 12.5 | 18.7 |
| 71 | 33.9 | 26.9 | 40.3 |

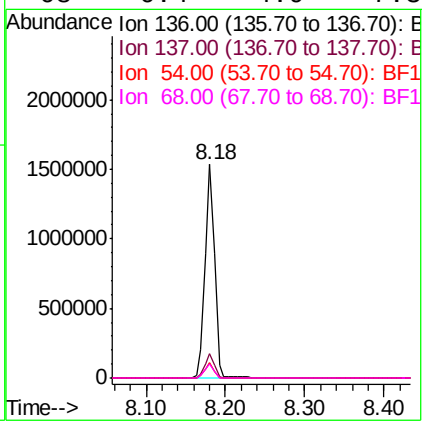


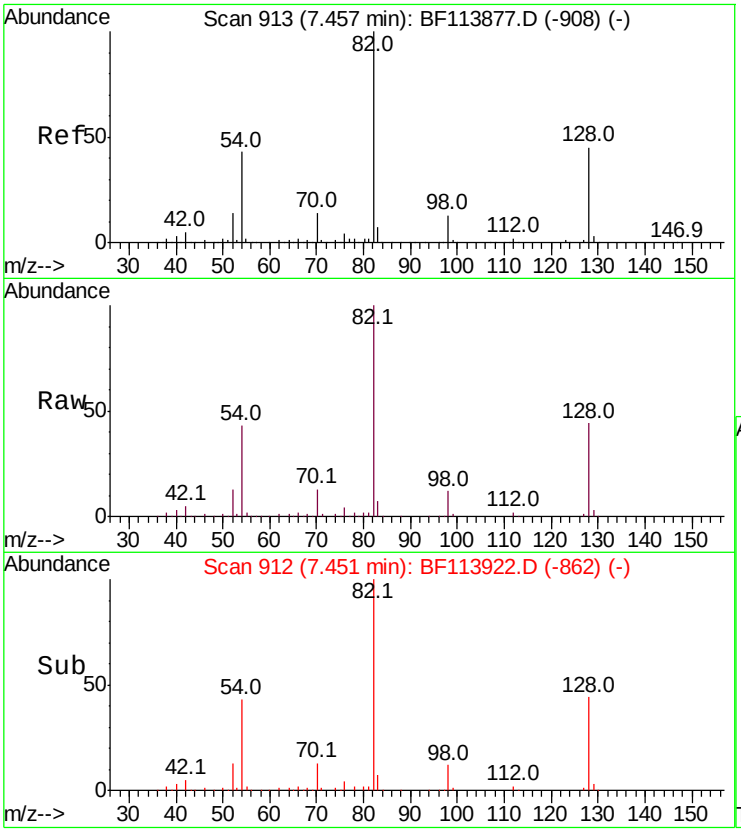




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:136 Resp: 1309836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.6 | 12.8 |
| 54 | 7.0 | 5.0 | 7.6 |
| 68 | 6.4 | 4.9 | 7.3 |



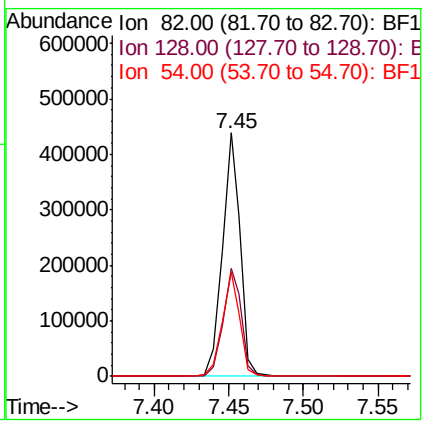


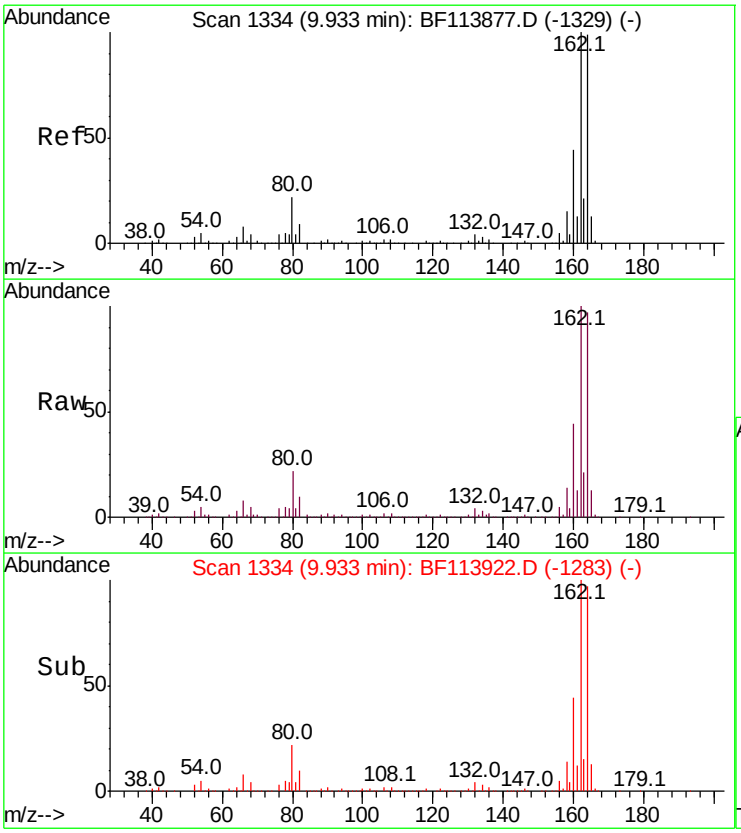

#23
Nitrobenzene-d5
Concen: 17.386 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion: 82 Resp: 368827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.8 | 55.2 |
| 54 | 42.6 | 33.8 | 50.6 |

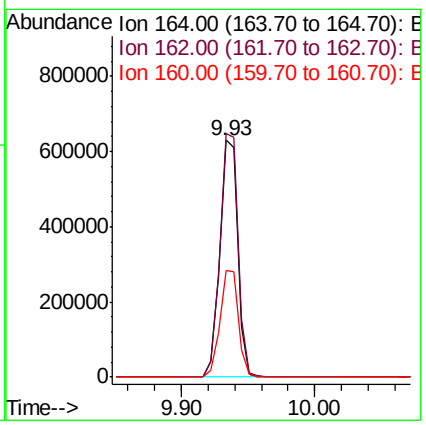


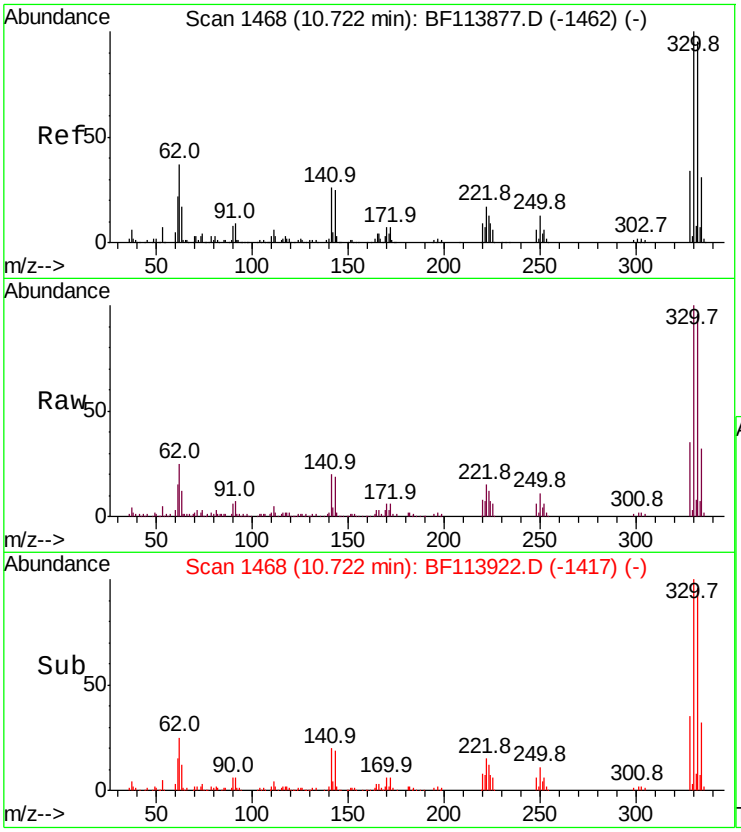




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:164 Resp: 601713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.1 | 121.7 |
| 160 | 45.2 | 35.8 | 53.6 |



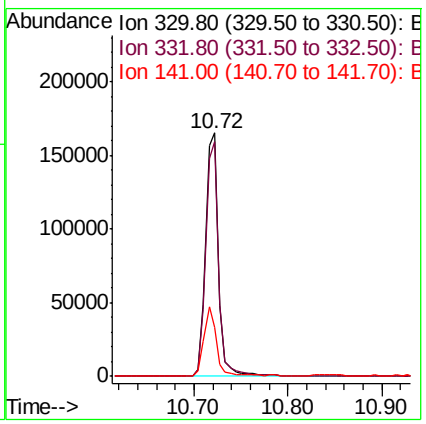


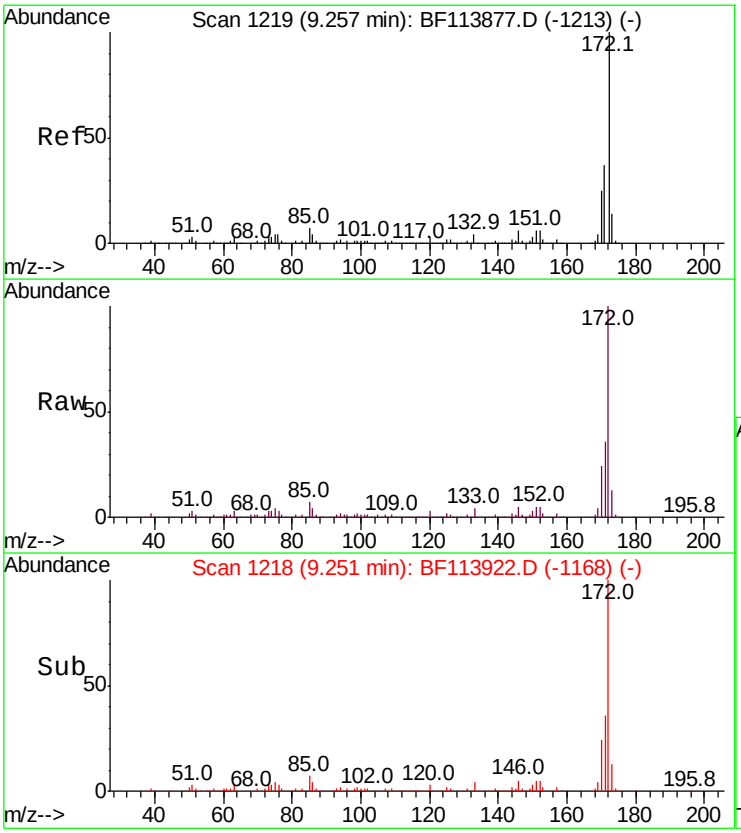

#42
2,4,6-Tribromophenol
Concen: 22.026 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:330 Resp: 161456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.5 | 116.3 |
| 141 | 27.0 | 22.2 | 33.2 |

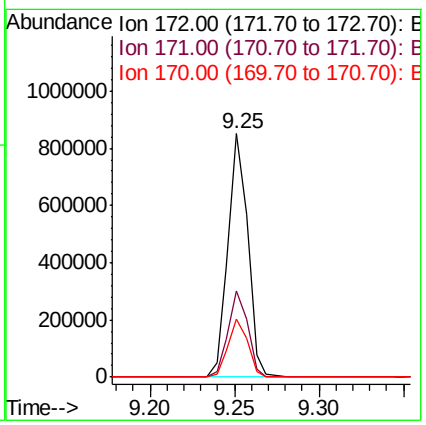


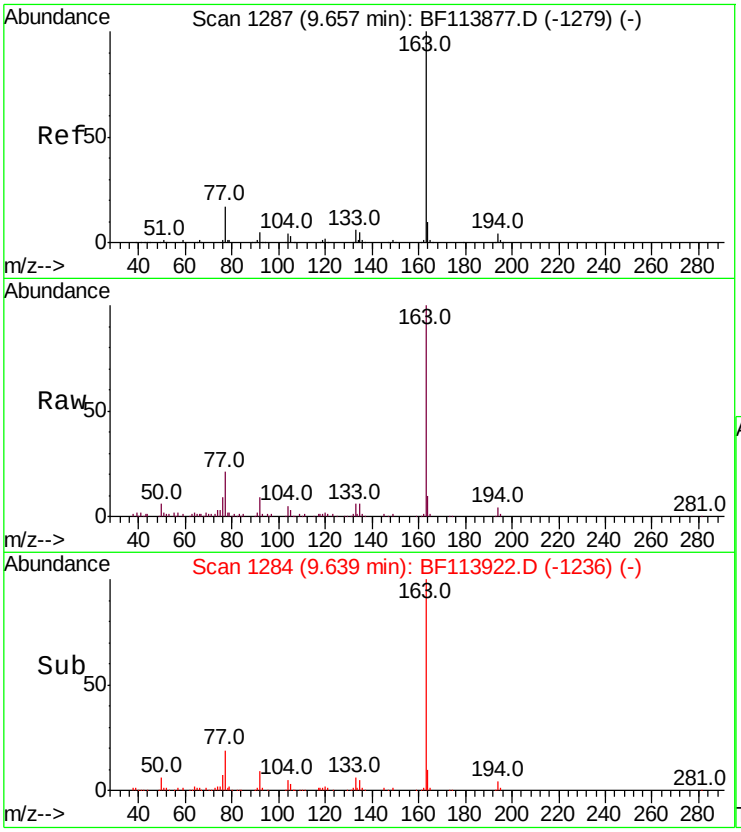




#45
2-Fluorobiphenyl
Concen: 17.928 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:172 Resp: 689723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.4 | 44.0 |
| 170 | 23.8 | 19.9 | 29.9 |



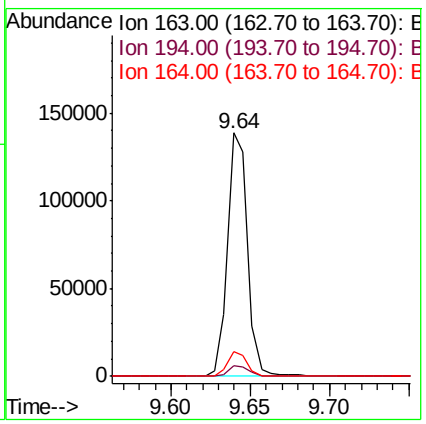


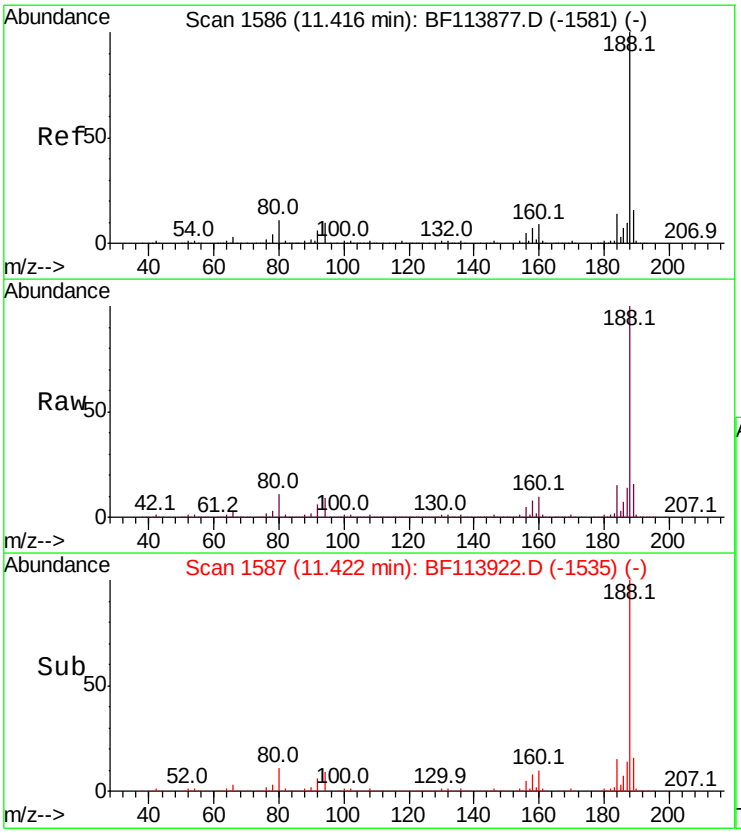

#50
Dimethylphthalate
Concen: 2.784 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:163 Resp: 121165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.4 | 5.2 |
| 164 | 10.3 | 8.5 | 12.7 |

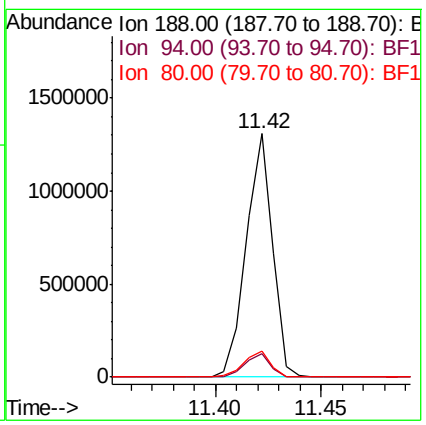


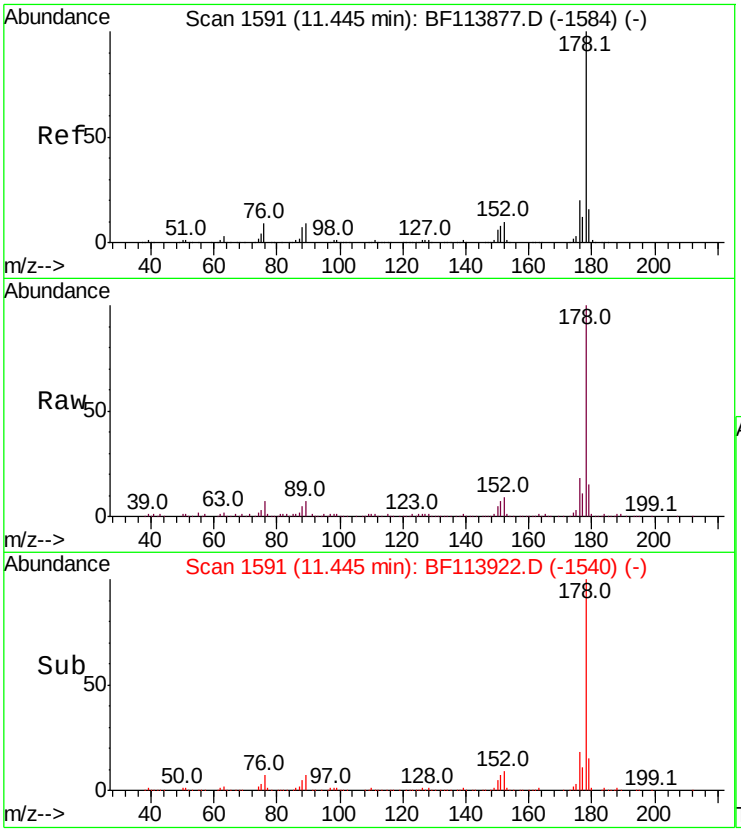




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:188 Resp: 1130638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 8.2 | 12.4 |
| 80 | 10.7 | 9.0 | 13.6 |



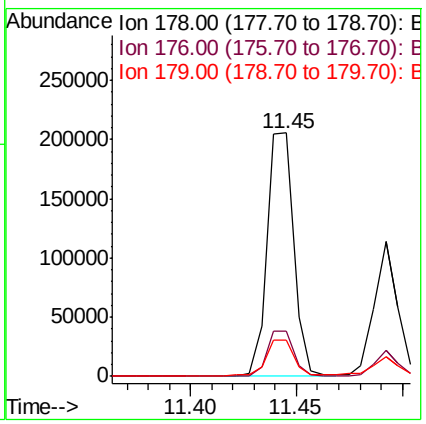


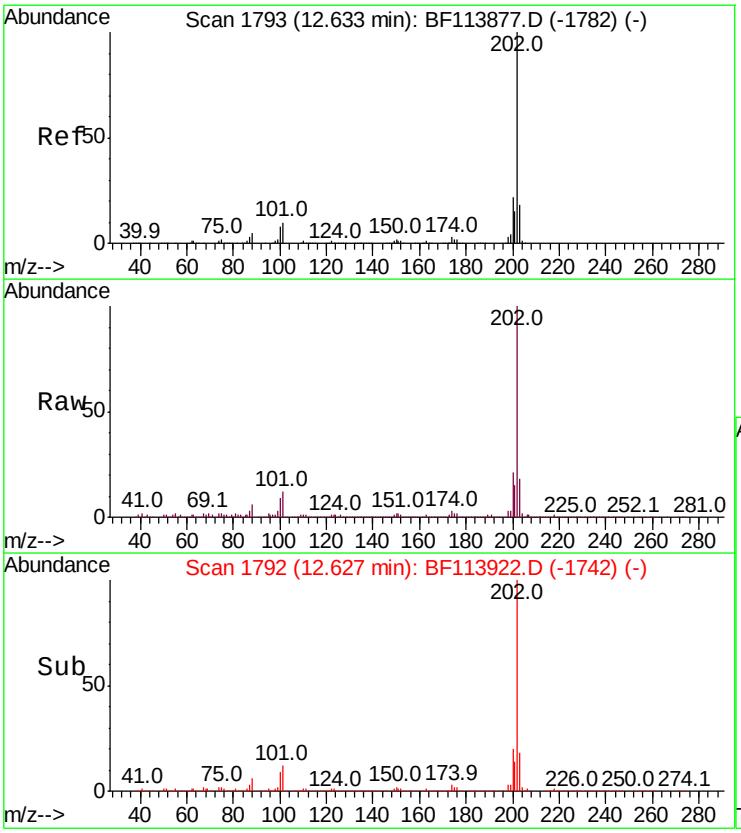

#71
Phenanthrene
Concen: 3.196 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:178 Resp: 181613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 16.1 | 24.1 |
| 179 | 14.9 | 12.8 | 19.2 |

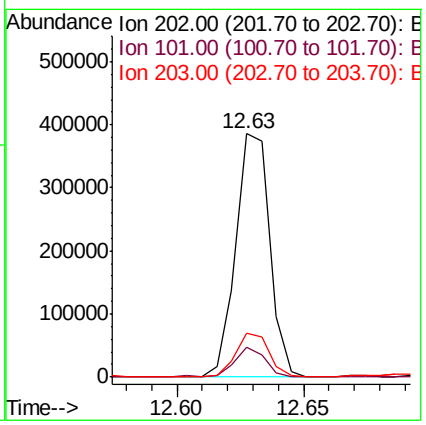


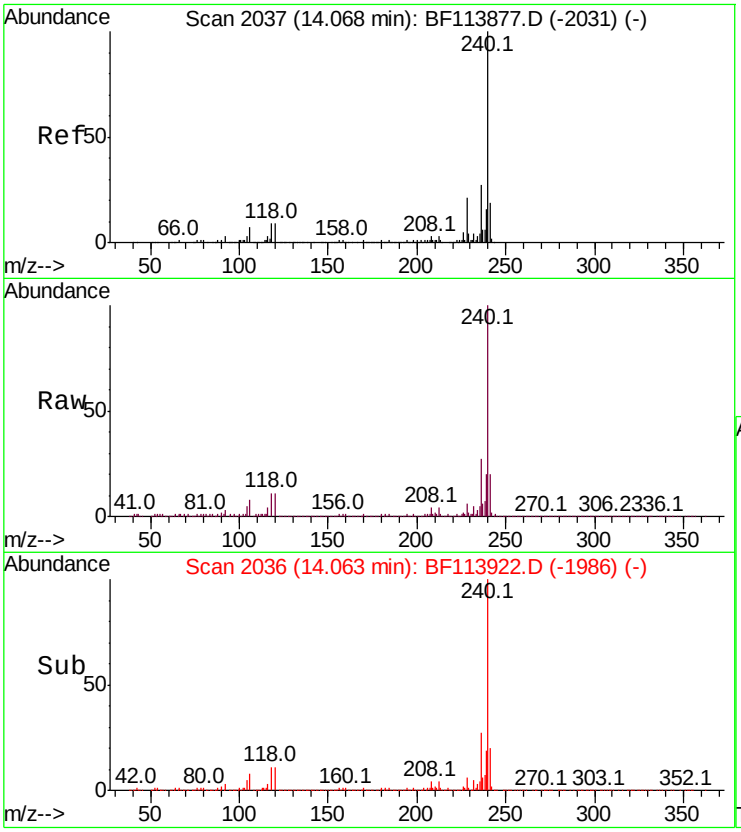




#75
Fluoranthene
Concen: 5.799 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:202 Resp: 359519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 32.9 |
| 203 | 18.1 | 0.0 | 38.2 |



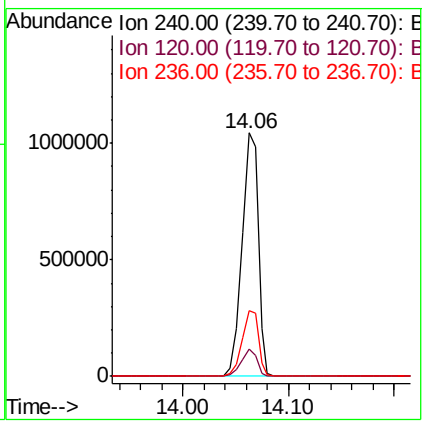


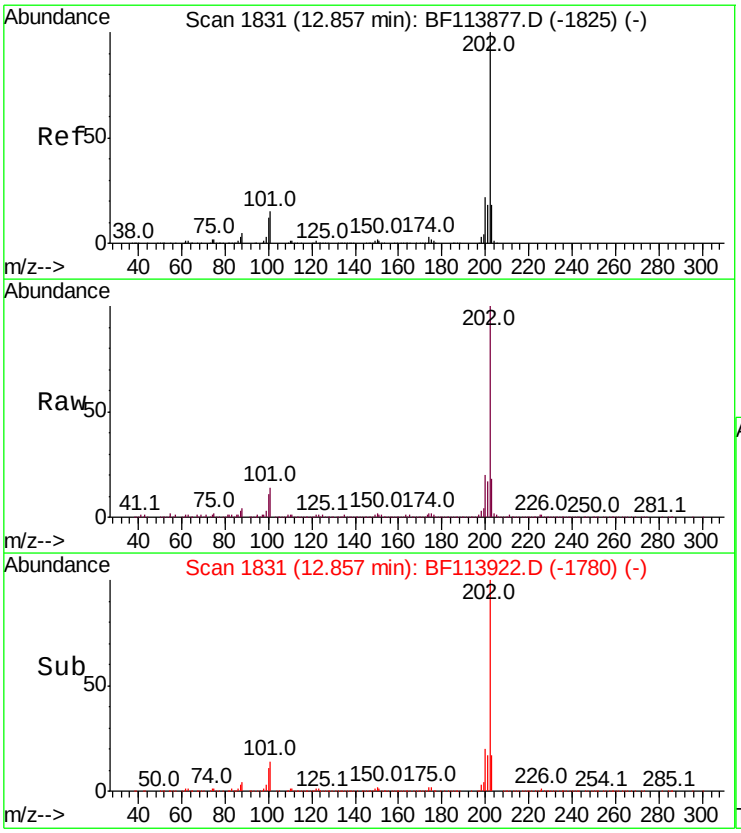

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:240 Resp: 1096618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 9.3 | 13.9 |
| 236 | 27.1 | 21.2 | 31.8 |

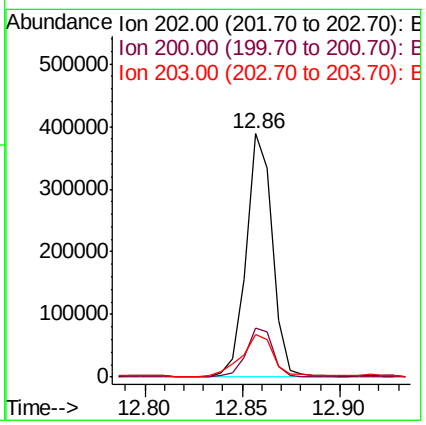


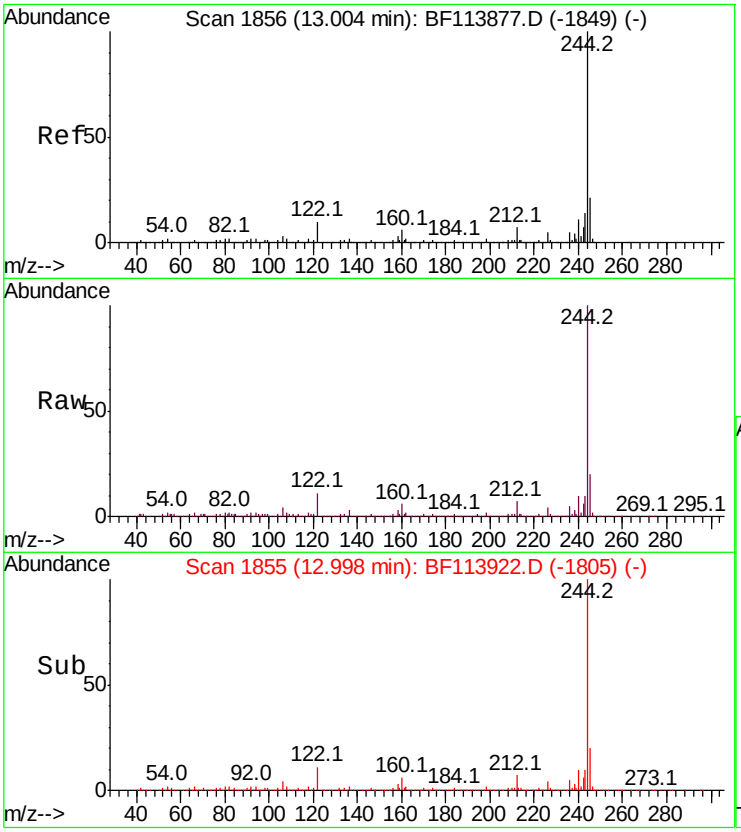




#78
Pyrene
Concen: 4.683 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:202 Resp: 359132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 17.7 | 26.5 |
| 203 | 17.8 | 15.0 | 22.6 |



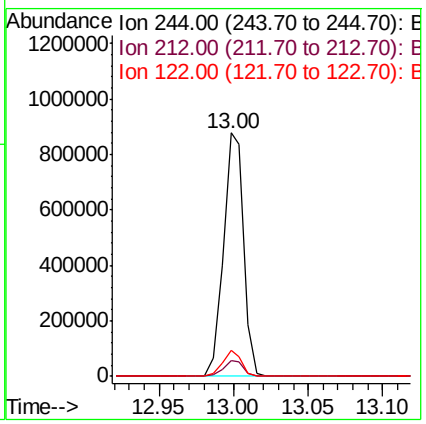


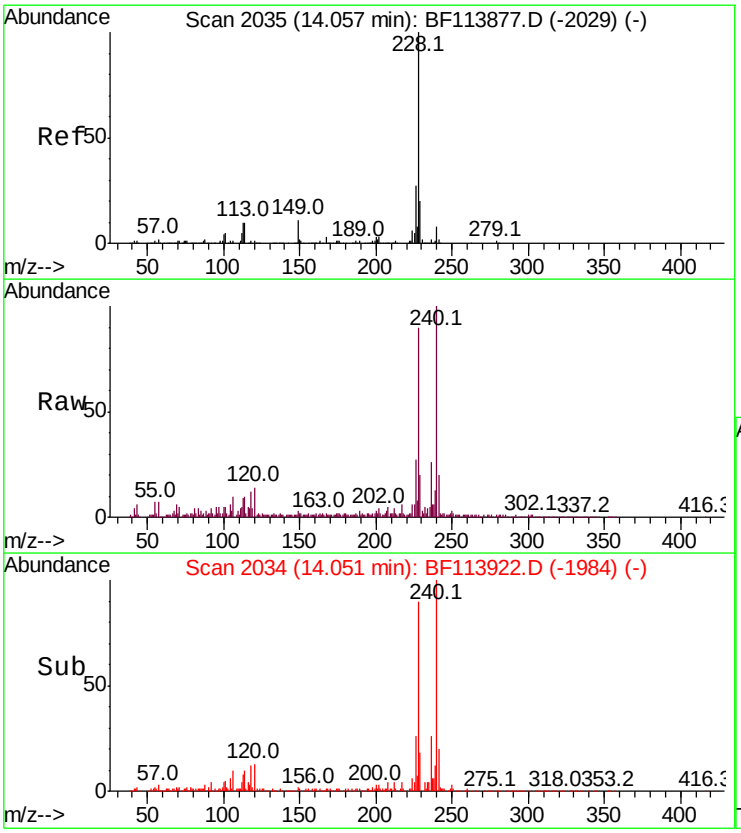

#79
Terphenyl-d14
Concen: 15.738 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:244 Resp: 841823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.2 |
| 122 | 10.7 | 7.6 | 11.4 |

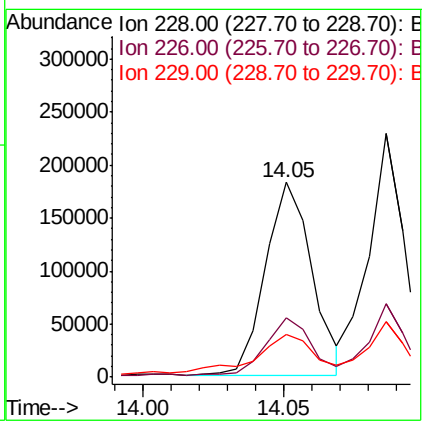


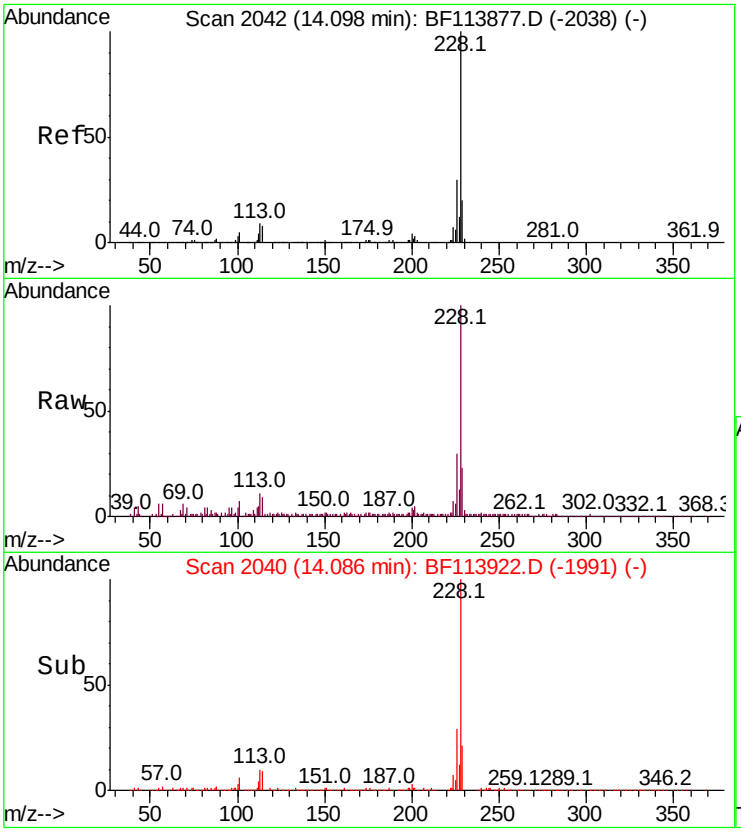




#81
Benzo(a)anthracene
Concen: 3.231 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:228 Resp: 208750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 22.2 | 33.2 |
| 229 | 22.1 | 16.0 | 24.0 |



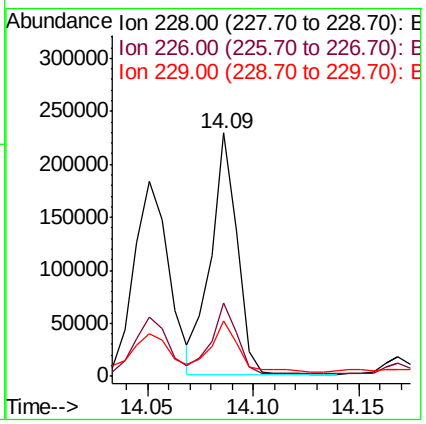


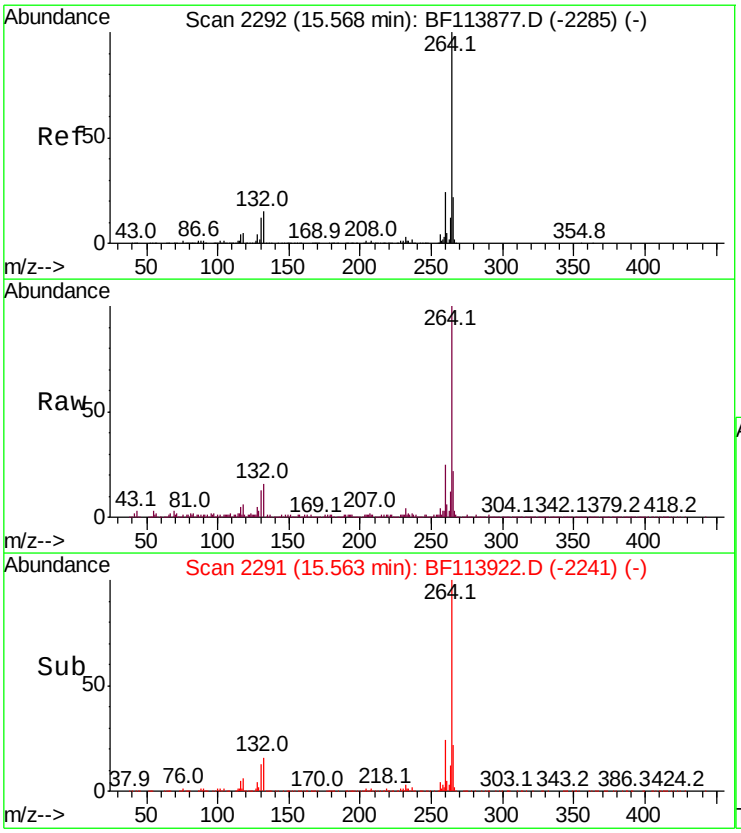

#83
Chrysene
Concen: 3.141 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:228 Resp: 197646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 25.2 | 37.8 |
| 229 | 23.0 | 16.7 | 25.1 |

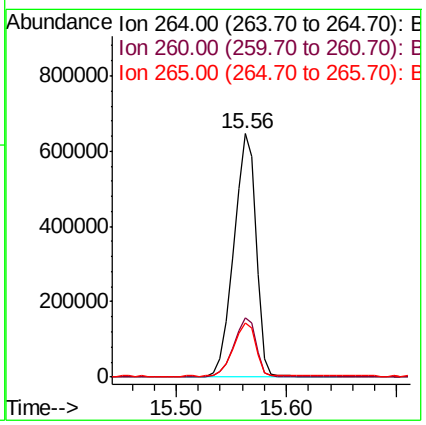


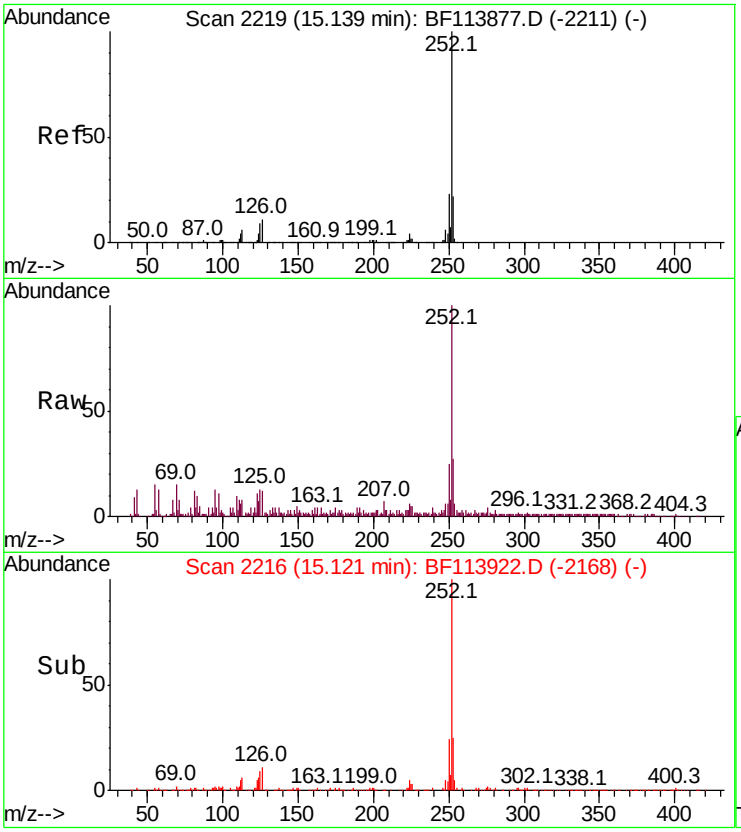




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:264 Resp: 911554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 18.9 | 28.3 |
| 265 | 22.3 | 17.3 | 25.9 |



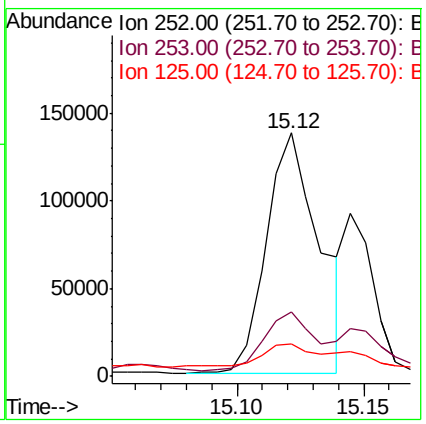


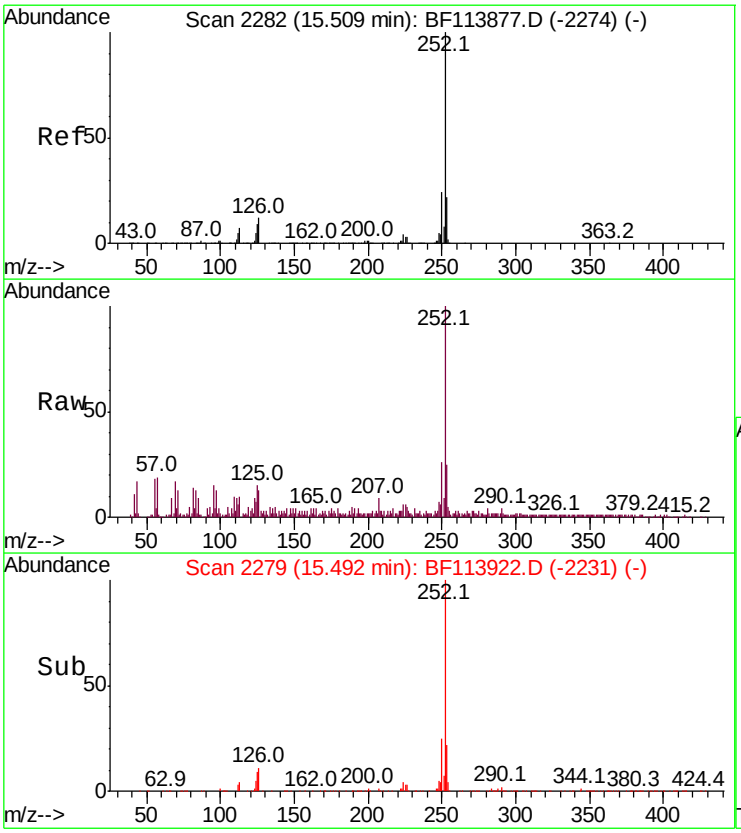

#88
Benzo(b)fluoranthene
Concen: 3.441 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-041819-E

Tgt Ion:252 Resp: 198428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.5 | 17.8 | 26.6 |
| 125 | 13.3 | 7.0 | 10.6# |




#90
Benzo(a)pyrene
Concen: 2.639 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF113922.D
Acq: 23 Apr 2019 16:07

Tgt Ion:252 Resp: 131642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 17.5 | 26.3 |
| 125 | 14.9 | 8.5 | 12.7# |