Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
Data File : BF112813.D
Acq On : 1 Mar 2019 21:20
Operator : JU/SJ
Sample : K1675-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** Z-4-A-B

Quant Time: Mar 01 22:00:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 157278 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 560089 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.77 | 164 | 213978 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.25 | 188 | 404436 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.87 | 240 | 435091 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.29 | 264 | 322277 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 207646 | 20.54 | ng | 0.00 |
| 7) Phenol-d6 | 6.36 | 99 | 263800 | 20.77 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 139543 | 14.91 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 53566 | 23.58 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 239733 | 14.14 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.83 | 244 | 250304 | 11.15 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 17874 | 2.222 | ng | # 78 |
| 25) Isophorone | 7.30 | 82 | 139561 | 6.921 | ng | # 66 |
| 51) 2,6-Dinitrotoluene | 9.77 | 165 | 27235 | 8.289 | ng | # 18 |
| 57) 2,4-Dinitrotoluene | 9.77 | 165 | 27236 | 6.669 | ng | # 18 |
| 71) Phenanthrene | 11.27 | 178 | 62910 | 3.126 | ng | 96 |
| 75) Fluoranthene | 12.46 | 202 | 173646 | 8.055 | ng | 96 |
| 78) Pyrene | 12.68 | 202 | 165375 | 4.509 | ng | 98 |
| 81) Benzo(a)anthracene | 13.86 | 228 | 93089 | 3.087 | ng | 99 |
| 83) Chrysene | 13.90 | 228 | 90186 | 3.053 | ng | 96 |
| 88) Benzo(b)fluoranthene | 14.89 | 252 | 135790 | 6.514 | ng | 98 |
| 89) Benzo(k)fluoranthene | 14.89 | 252 | 135790 | 7.191 | ng | 99 |
| 90) Benzo(a)pyrene | 15.22 | 252 | 62869 | 3.410 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.05 | 276 | 36279 | 2.296 | ng | 94 |

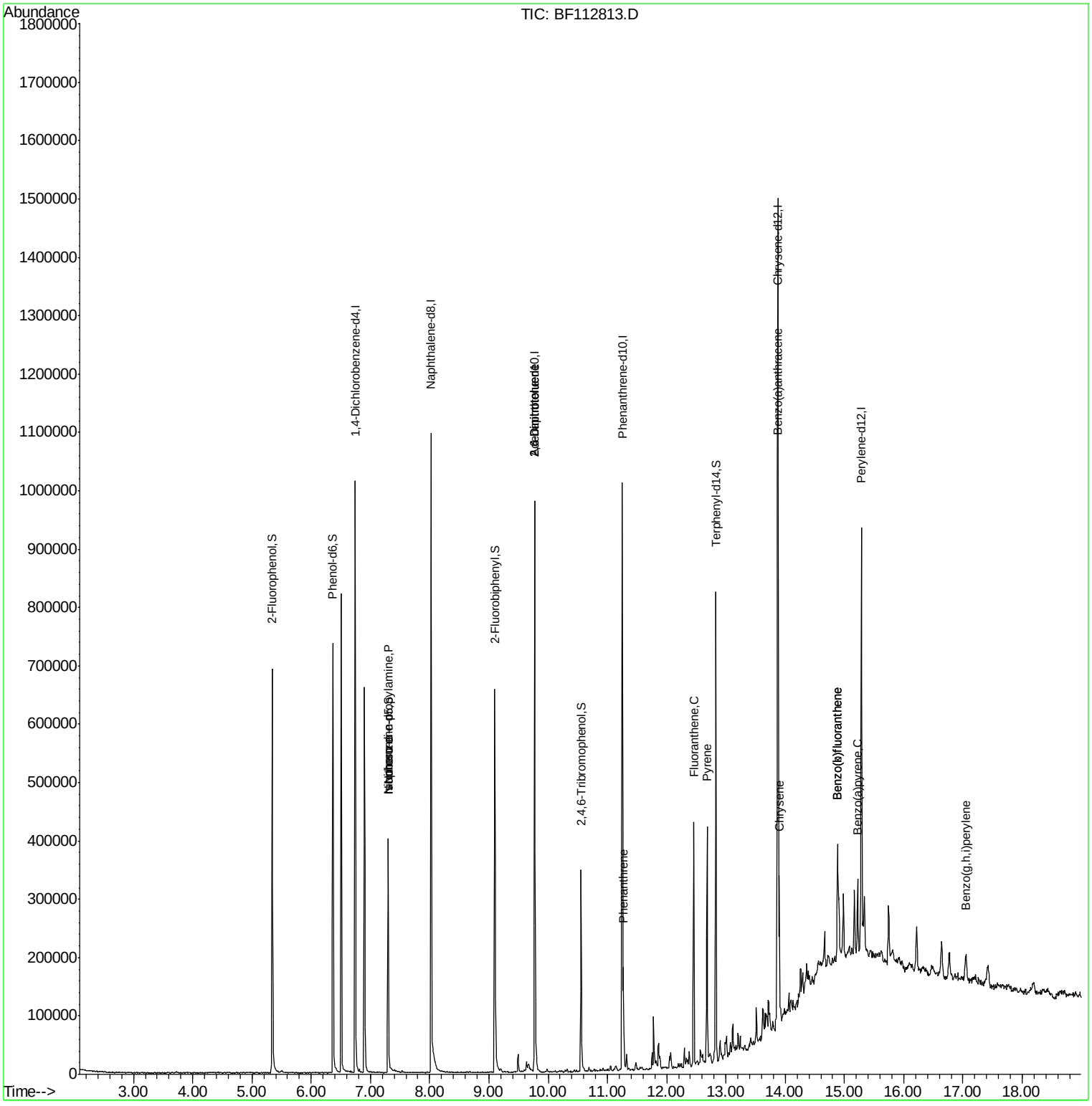
(#) = qualifier out of range (m) = manual integration (+) = signals summed

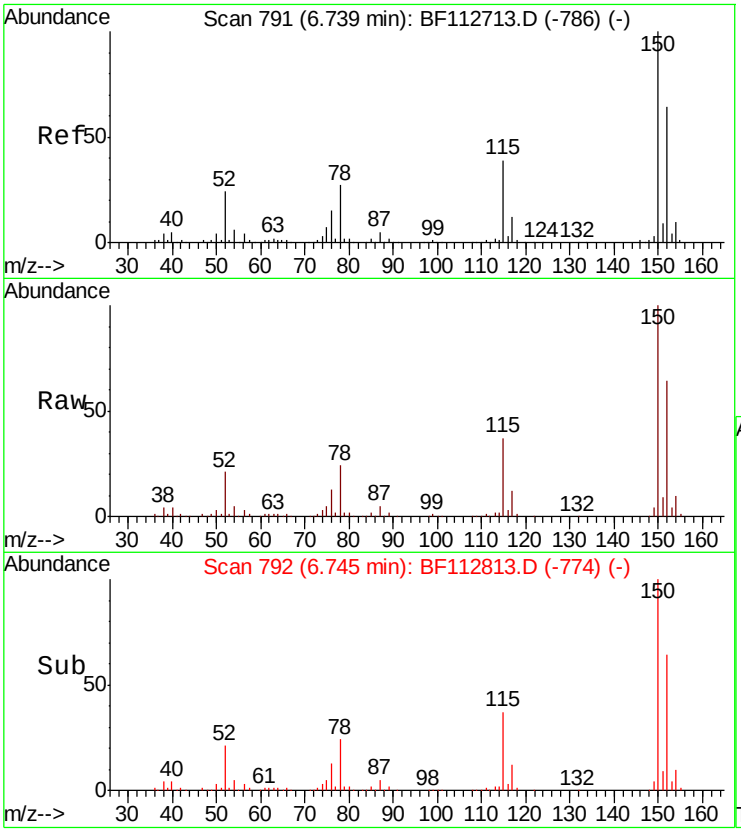
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
Data File : BF112813.D
Acq On : 1 Mar 2019 21:20
Operator : JU/SJ
Sample : K1675-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Quant Time: Mar 01 22:00:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration



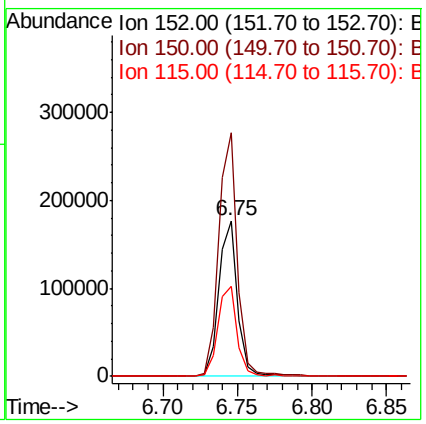


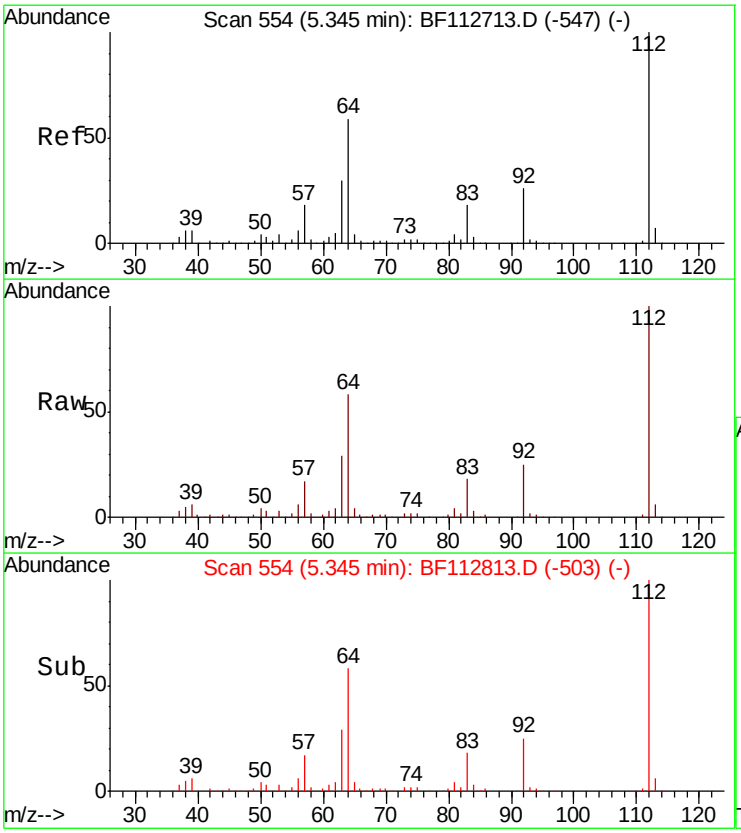

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:152 Resp: 157278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 124.2 | 186.2 |
| 115 | 57.9 | 48.2 | 72.4 |

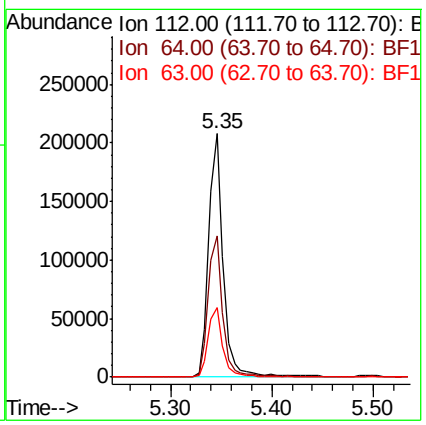


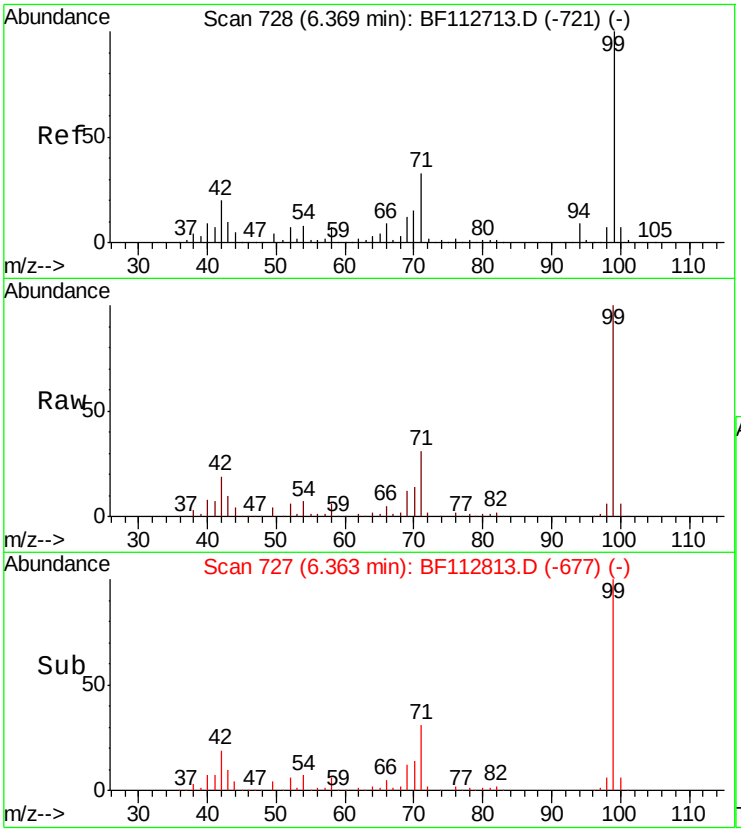




#5
2-Fluorophenol
Concen: 20.537 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:112 Resp: 207646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 47.6 | 71.4 |
| 63 | 28.8 | 24.4 | 36.6 |



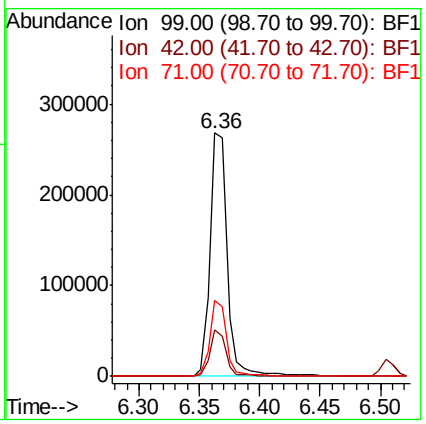


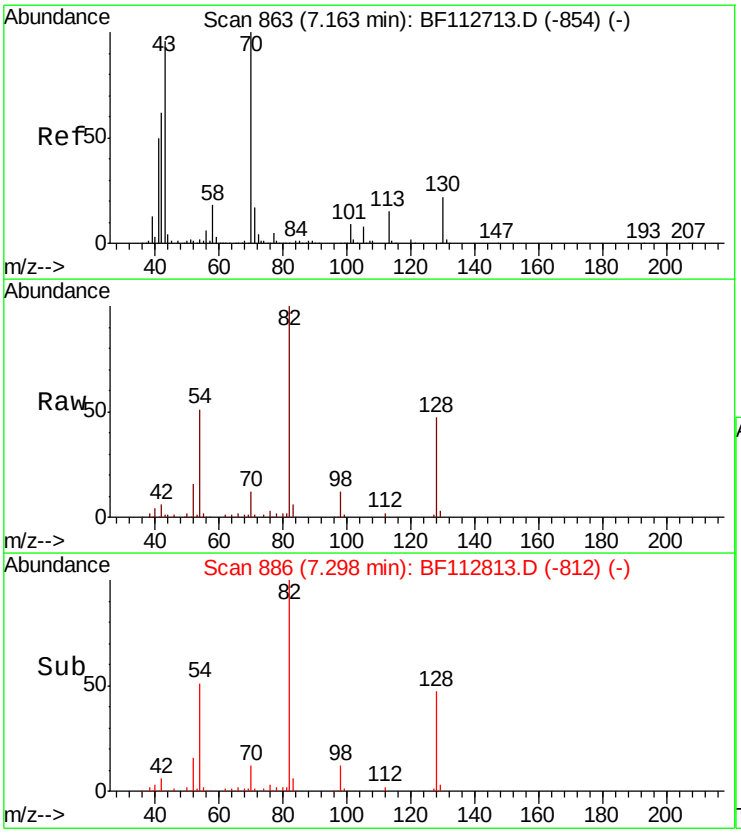

#7
Phenol-d6
Concen: 20.770 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion: 99 Resp: 263800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 16.3 | 24.5 |
| 71 | 31.3 | 26.2 | 39.4 |

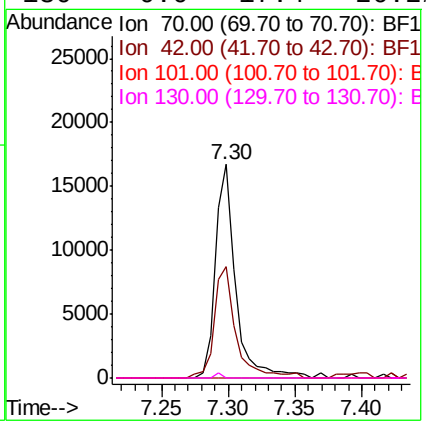


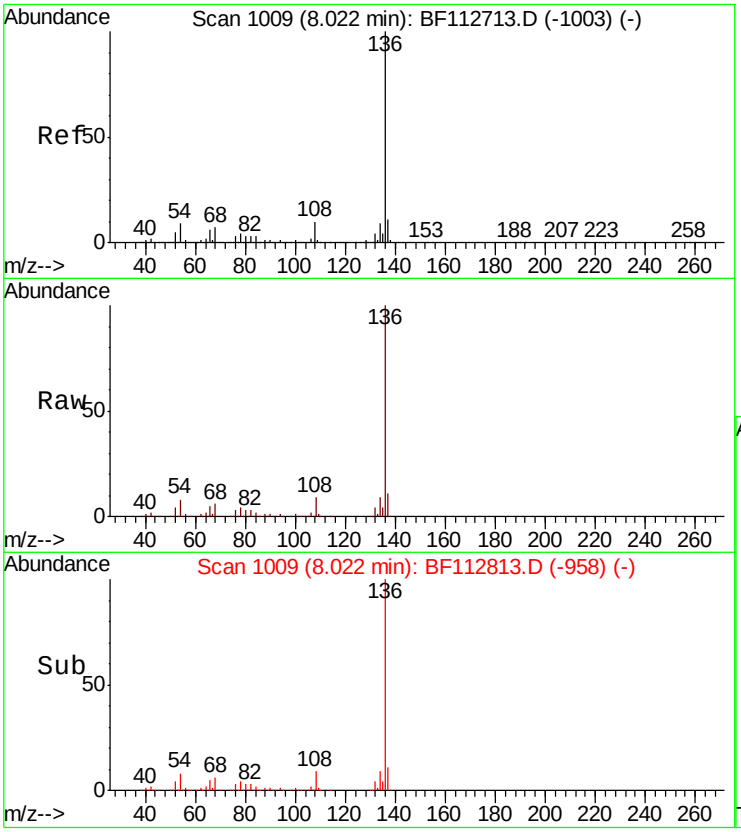




#19
n-Nitroso-di-n-propylamine
Concen: 2.222 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion: 70 Resp: 17874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.1 | 49.9 | 74.9 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 17.4 | 26.2# |



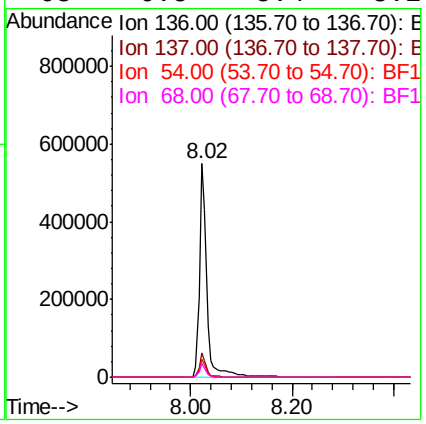


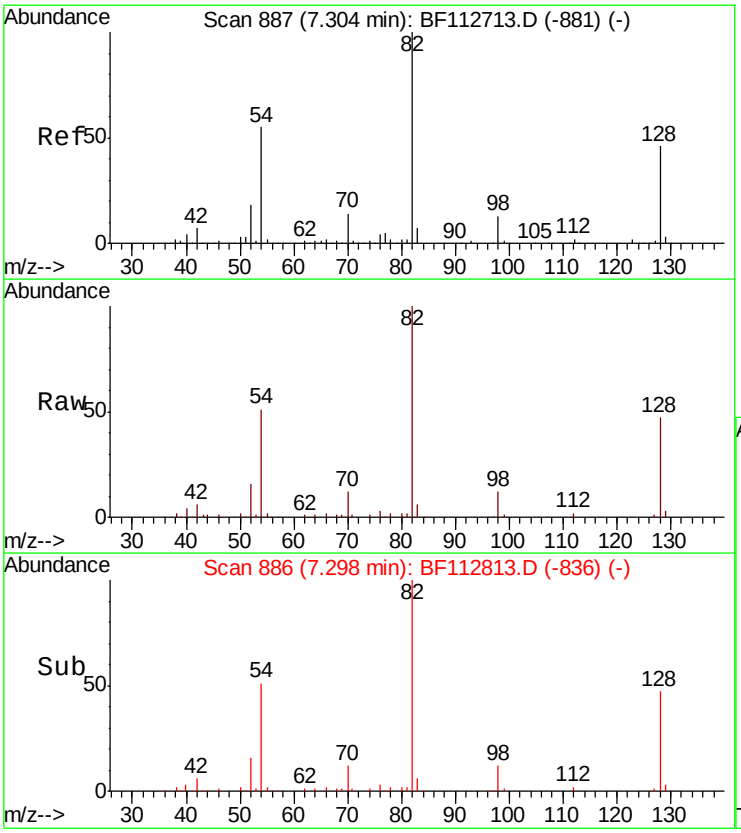

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:136 Resp: 560089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 8.3 | 7.3 | 10.9 |
| 68 | 6.5 | 5.4 | 8.2 |

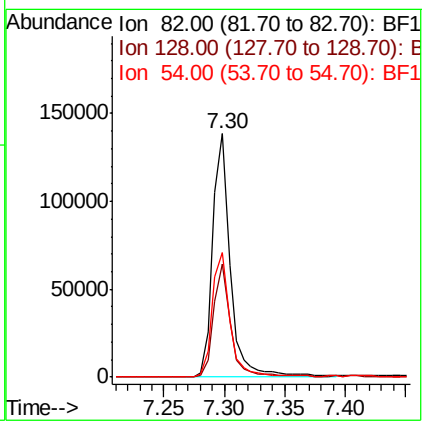


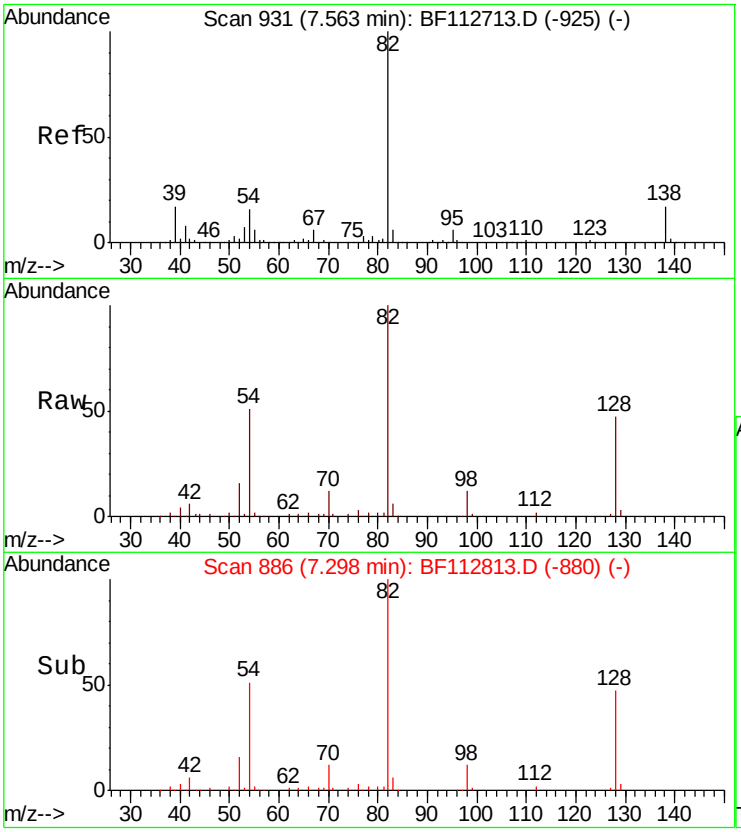




#23
Nitrobenzene-d5
Concen: 14.908 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion: 82 Resp: 139543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 36.3 | 54.5 |
| 54 | 51.3 | 43.7 | 65.5 |



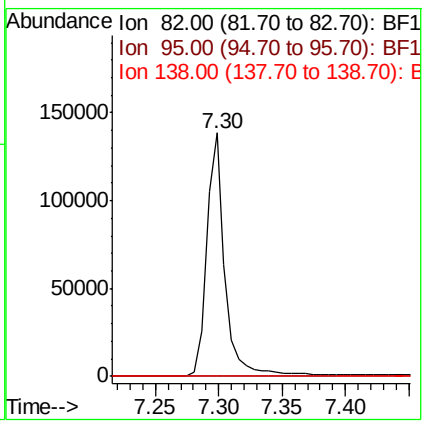


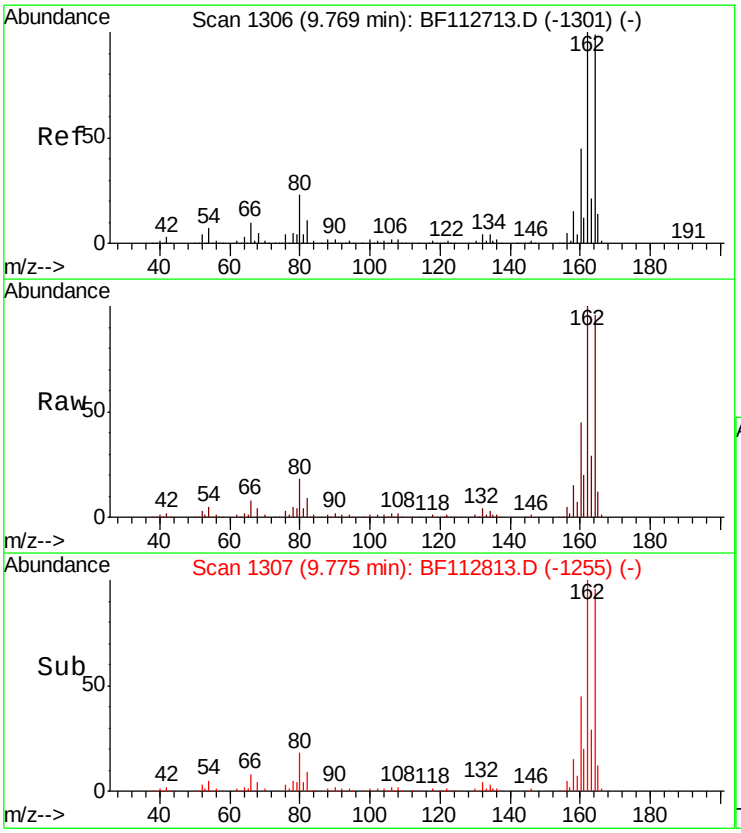

#25
Isophorone
Concen: 6.921 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion: 82 Resp: 139561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 13.8 | 20.8# |

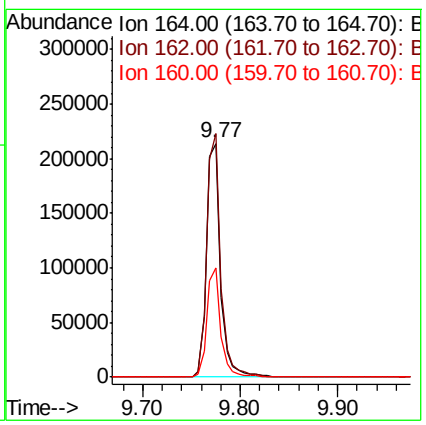


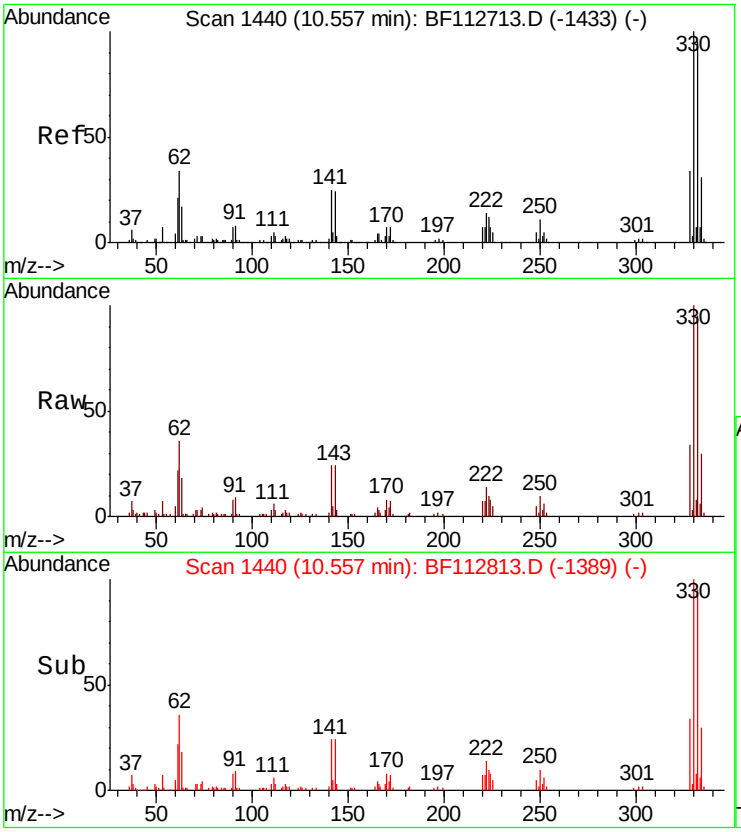




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:164 Resp: 213978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 80.6 | 120.8 |
| 160 | 46.8 | 36.0 | 54.0 |



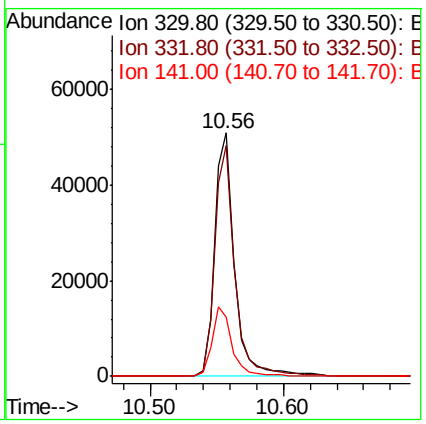


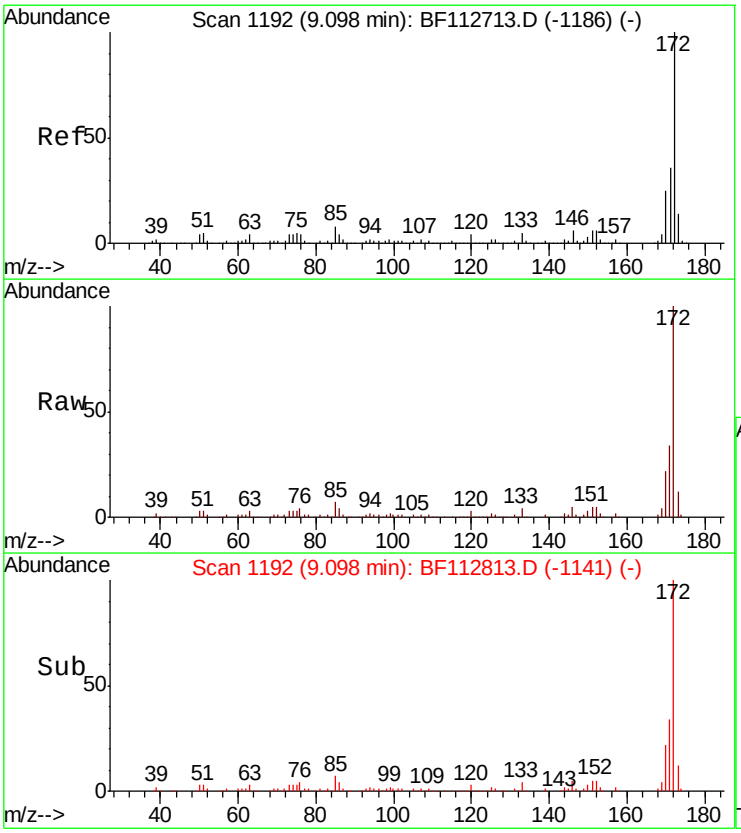

#42
2,4,6-Tribromophenol
Concen: 23.580 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:330 Resp: 53566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.5 | 76.2 | 114.4 |
| 141 | 28.7 | 27.0 | 40.6 |

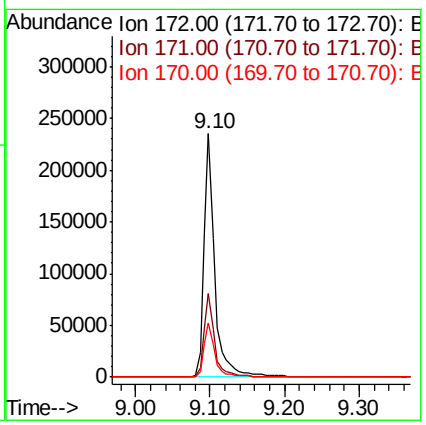


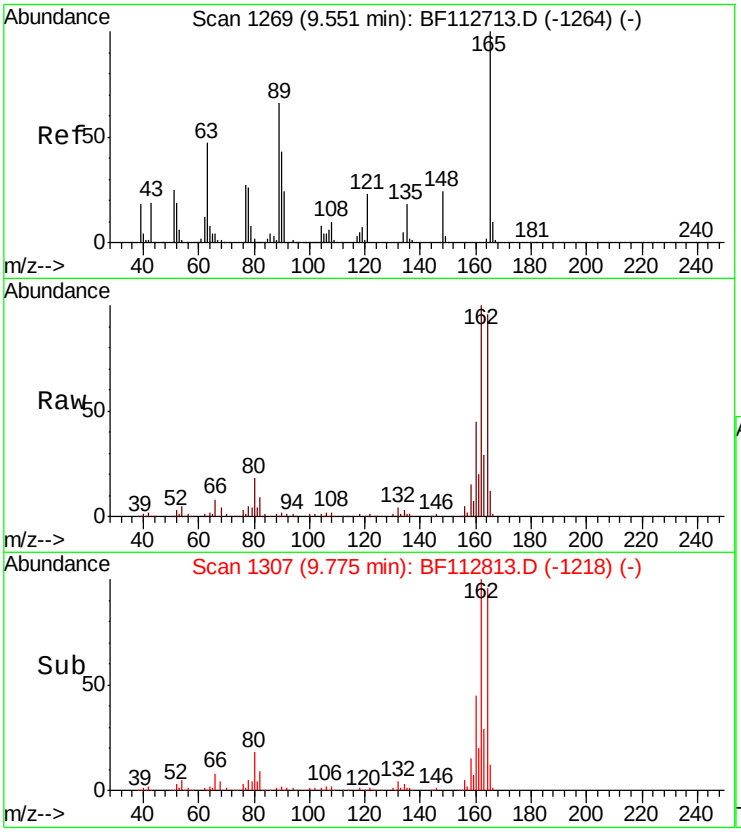




#45
2-Fluorobiphenyl
Concen: 14.136 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:172 Resp: 239733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.4 | 29.0 | 43.4 |
| 170 | 22.5 | 20.0 | 30.0 |



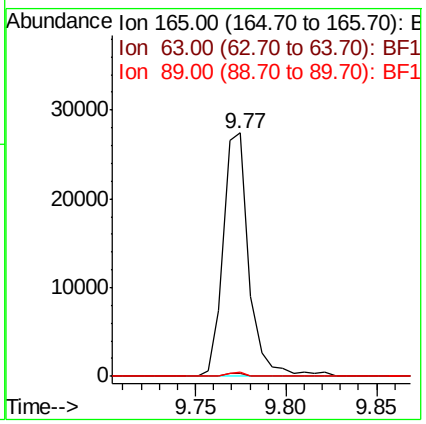


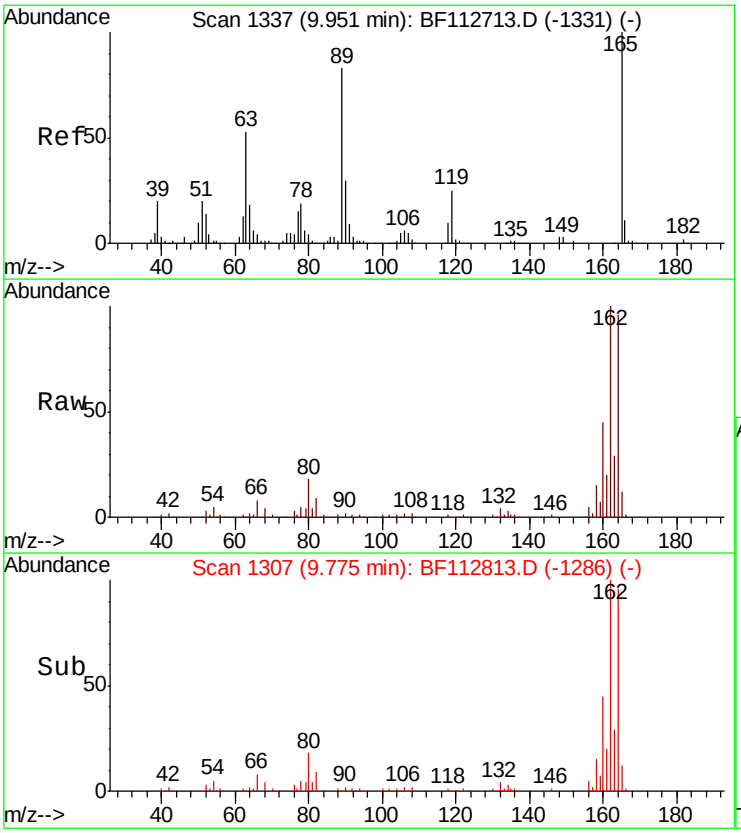

#51
2,6-Dinitrotoluene
Concen: 8.289 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:165 Resp: 27235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 54.1 | 81.1# |
| 89 | 1.7 | 52.8 | 79.2# |

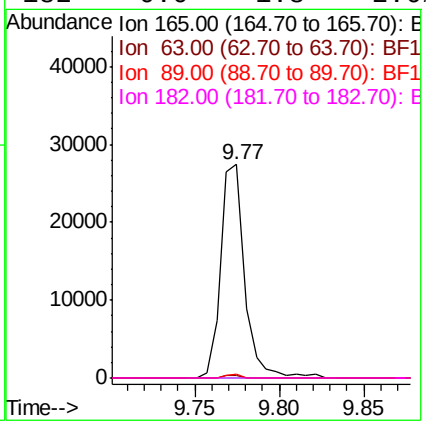


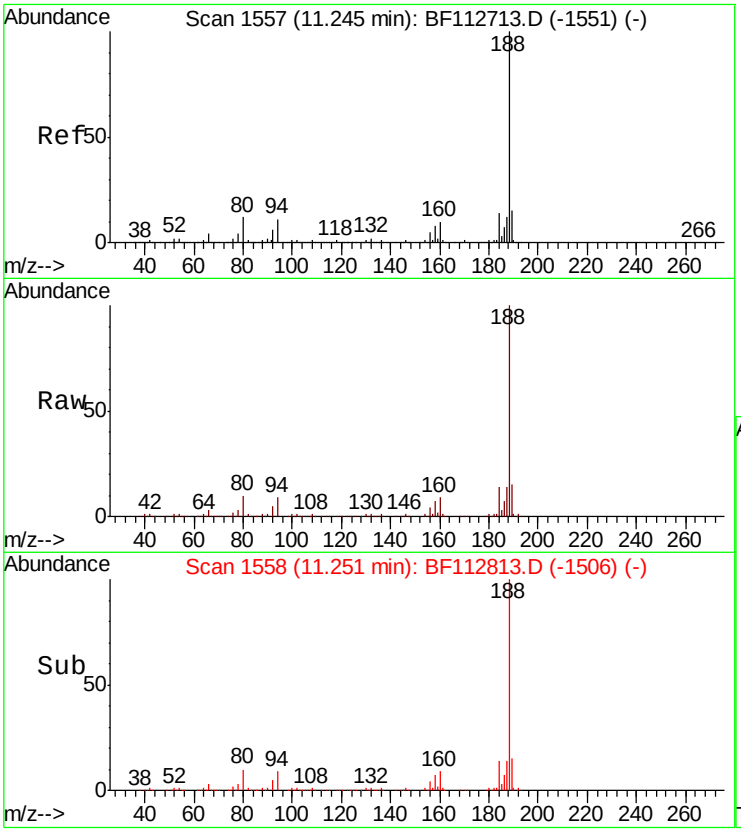




#57
2,4-Dinitrotoluene
Concen: 6.669 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.18 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:165 Resp: 27236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 42.2 | 63.2# |
| 89 | 1.7 | 66.2 | 99.4# |
| 182 | 0.0 | 1.8 | 2.6# |



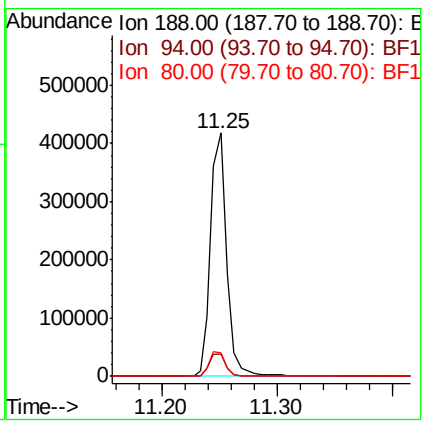


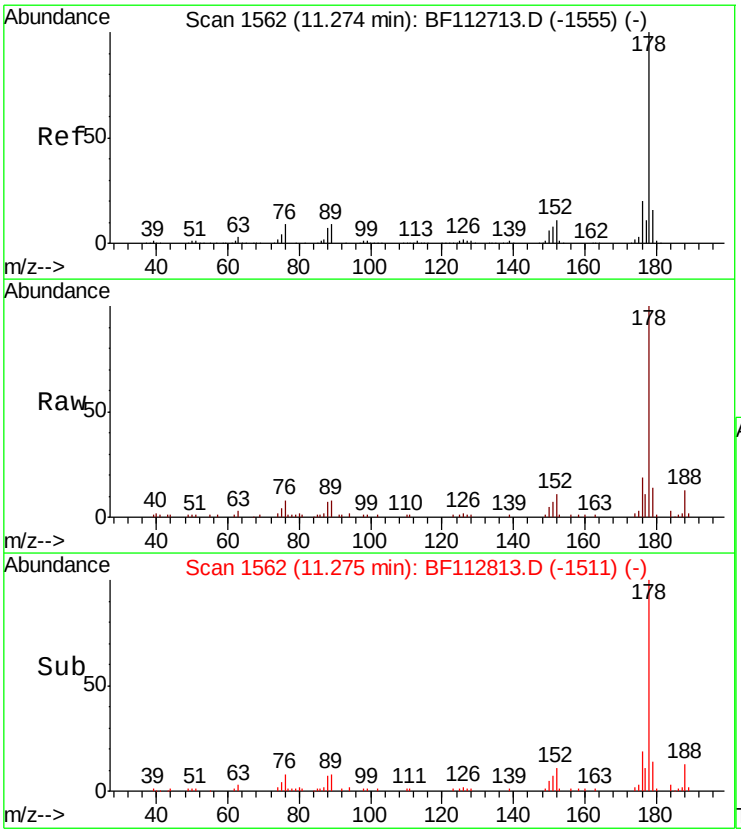

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:188 Resp: 404436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.2 | 9.0 | 13.4 |
| 80 | 9.6 | 9.2 | 13.8 |

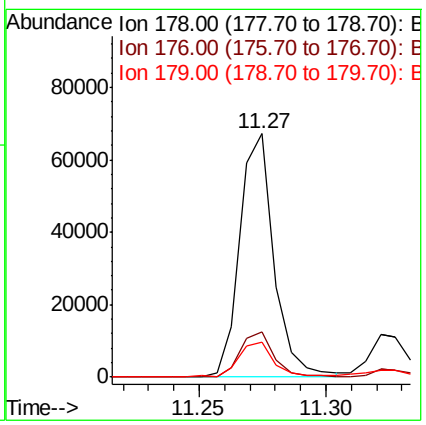


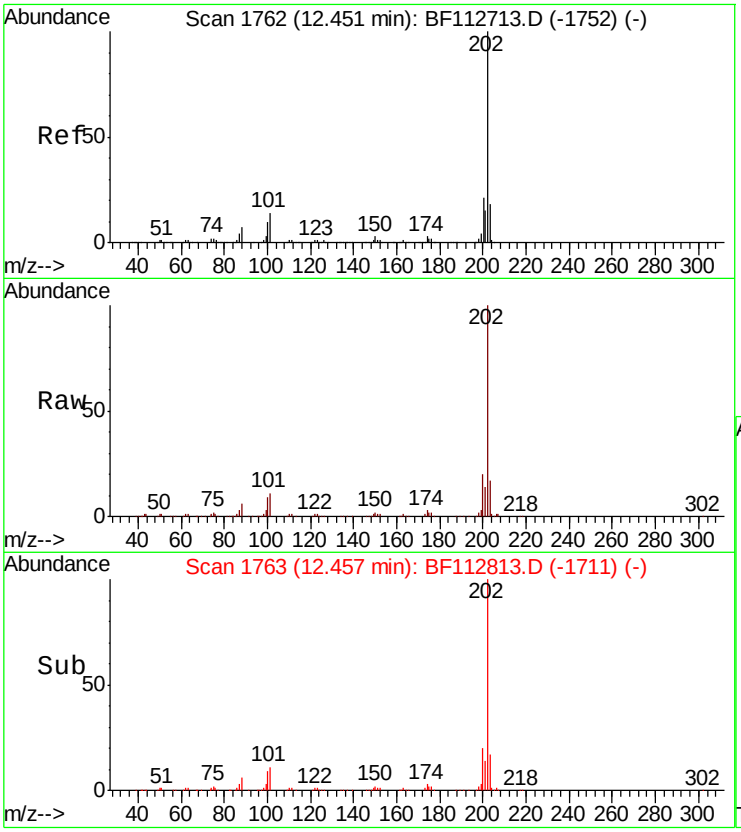




#71
Phenanthrene
Concen: 3.126 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:178 Resp: 62910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 16.3 | 24.5 |
| 179 | 14.5 | 12.7 | 19.1 |



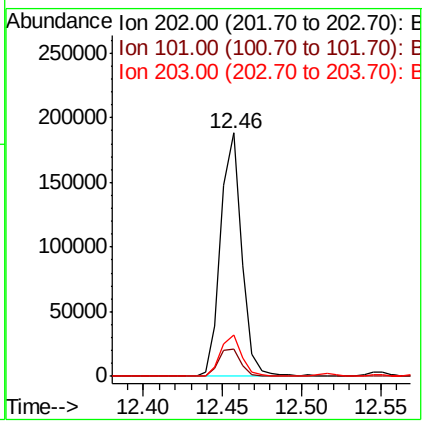


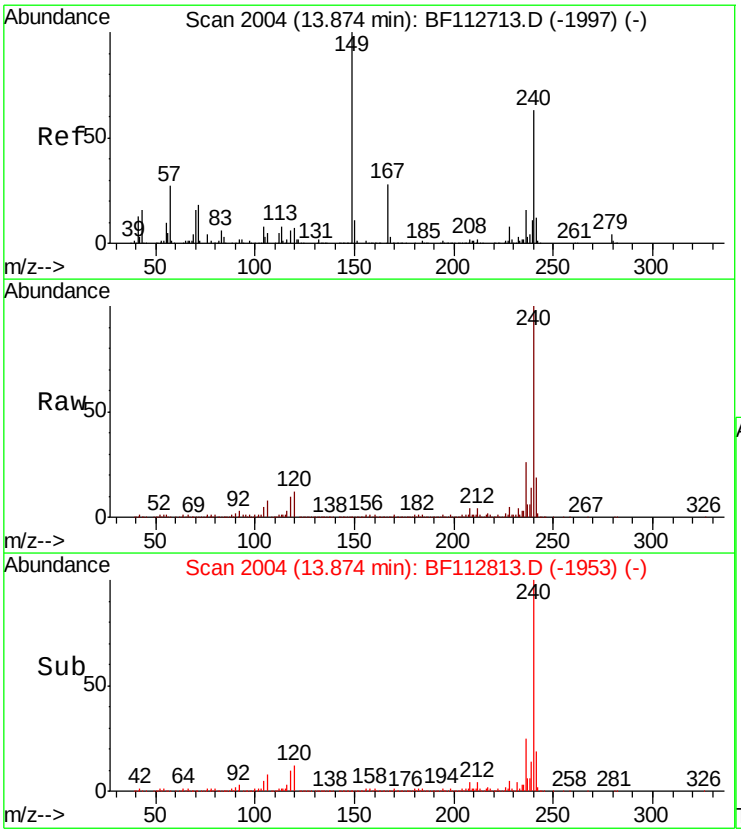

#75
Fluoranthene
Concen: 8.055 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:202 Resp: 173646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 0.0 | 33.8 |
| 203 | 17.2 | 0.0 | 38.4 |

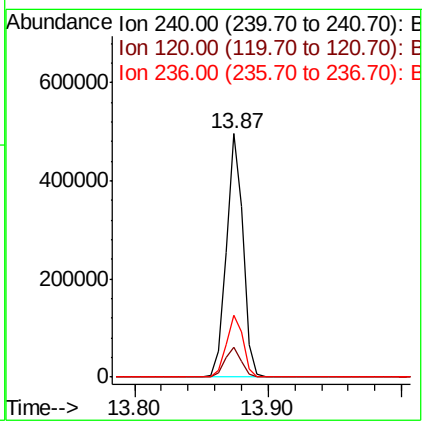


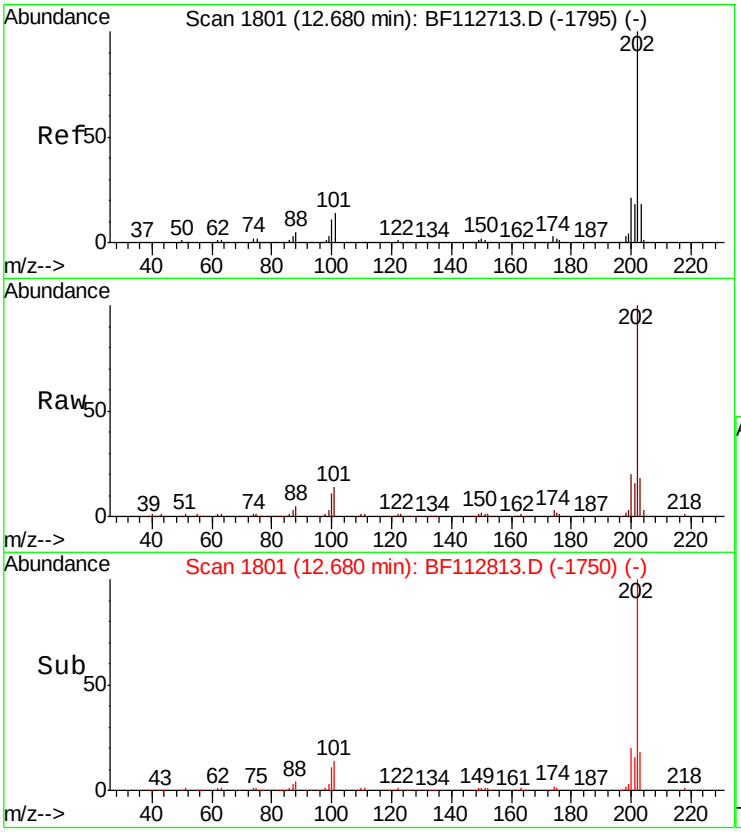




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:240 Resp: 435091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 8.9 | 13.3 |
| 236 | 25.6 | 20.7 | 31.1 |



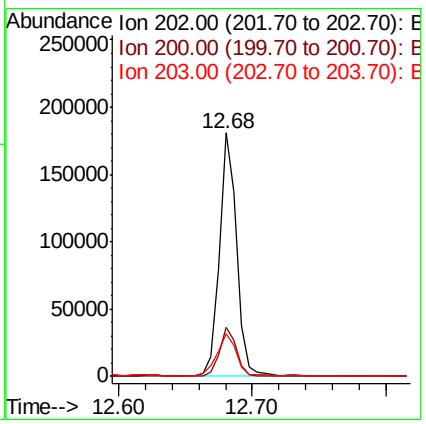


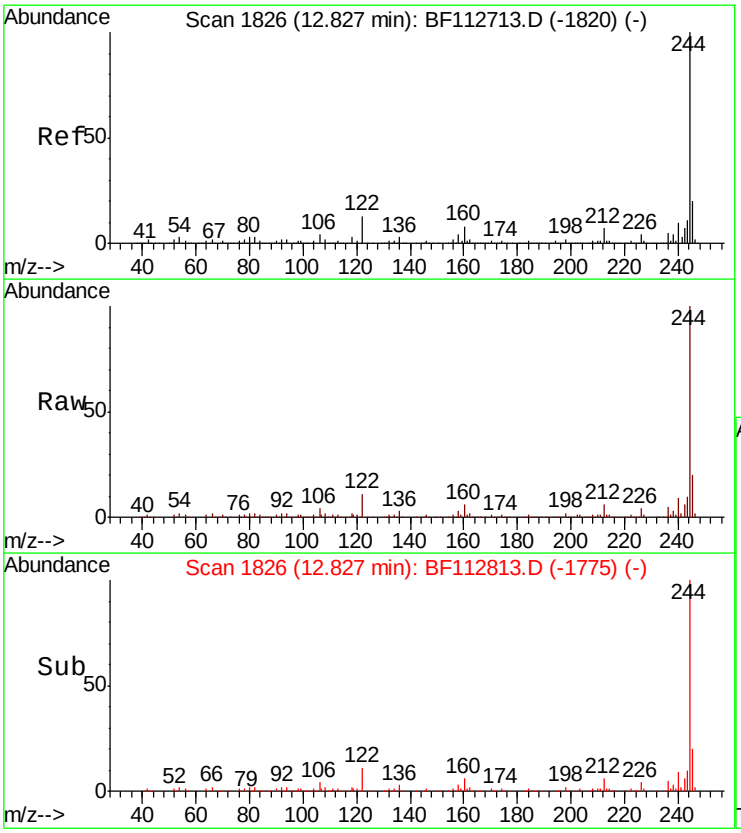

#78
Pyrene
Concen: 4.509 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:202 Resp: 165375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 17.0 | 25.4 |
| 203 | 17.8 | 14.4 | 21.6 |

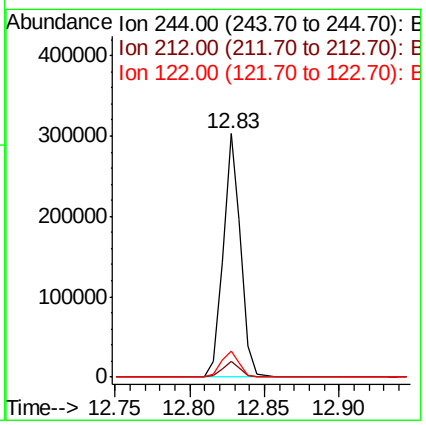


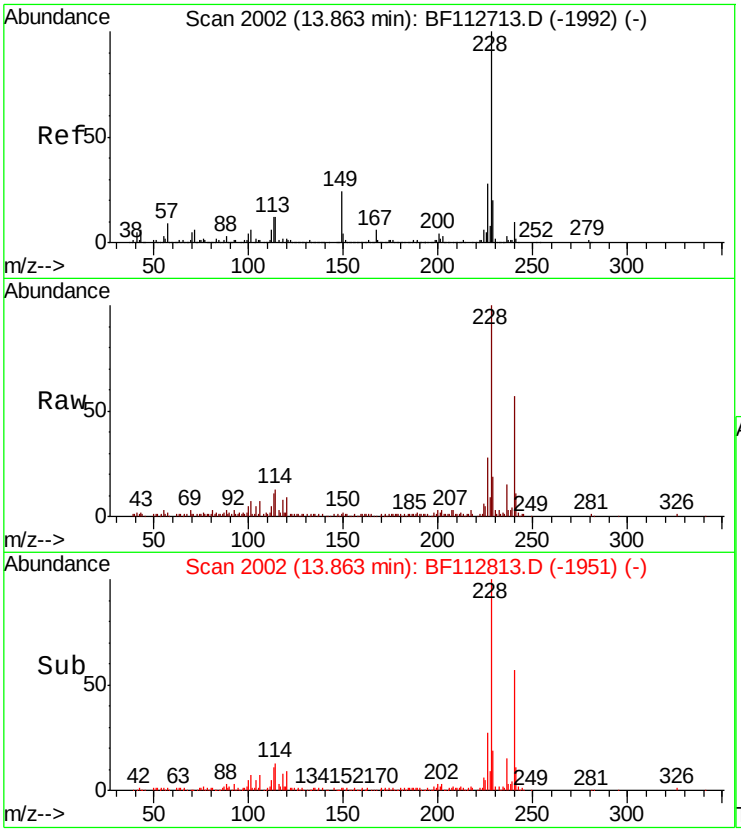




#79
Terphenyl-d14
Concen: 11.152 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:244 Resp: 250304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.6 | 8.4 |
| 122 | 10.9 | 10.5 | 15.7 |



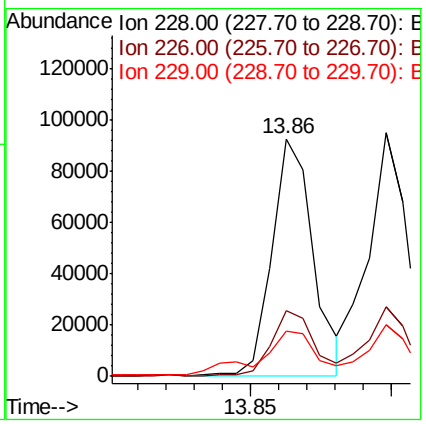


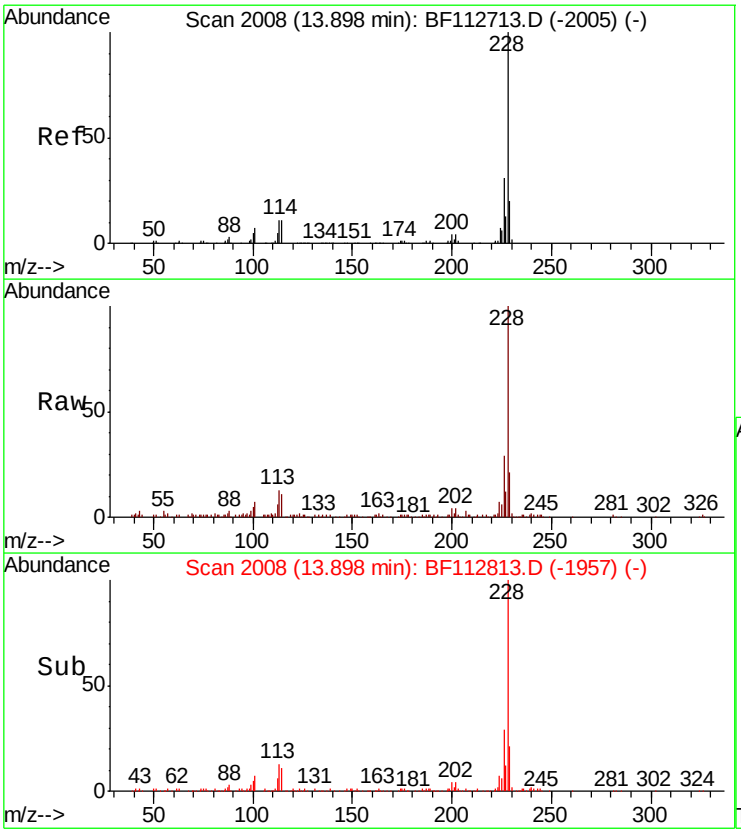

#81
Benzo(a)anthracene
Concen: 3.087 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:228 Resp: 93089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 22.2 | 33.4 |
| 229 | 19.2 | 16.0 | 24.0 |

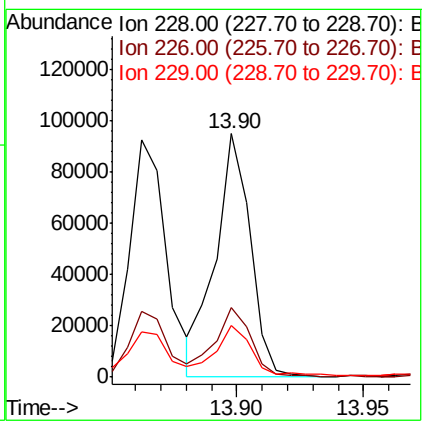


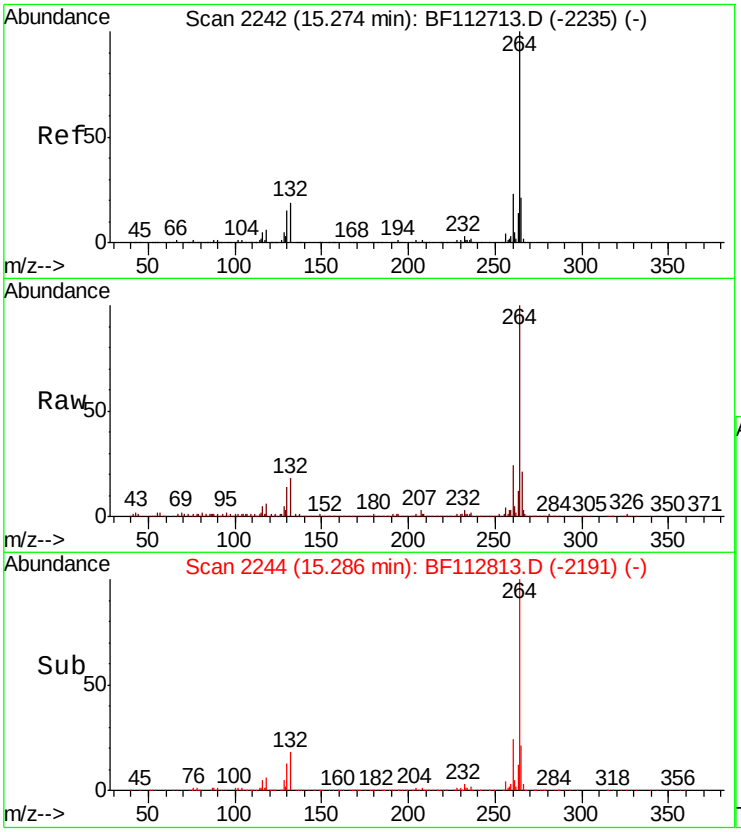




#83
Chrysene
Concen: 3.053 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:228 Resp: 90186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.6 | 24.9 | 37.3 |
| 229 | 21.4 | 16.3 | 24.5 |



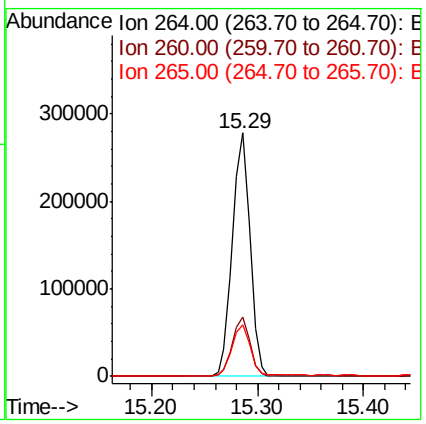


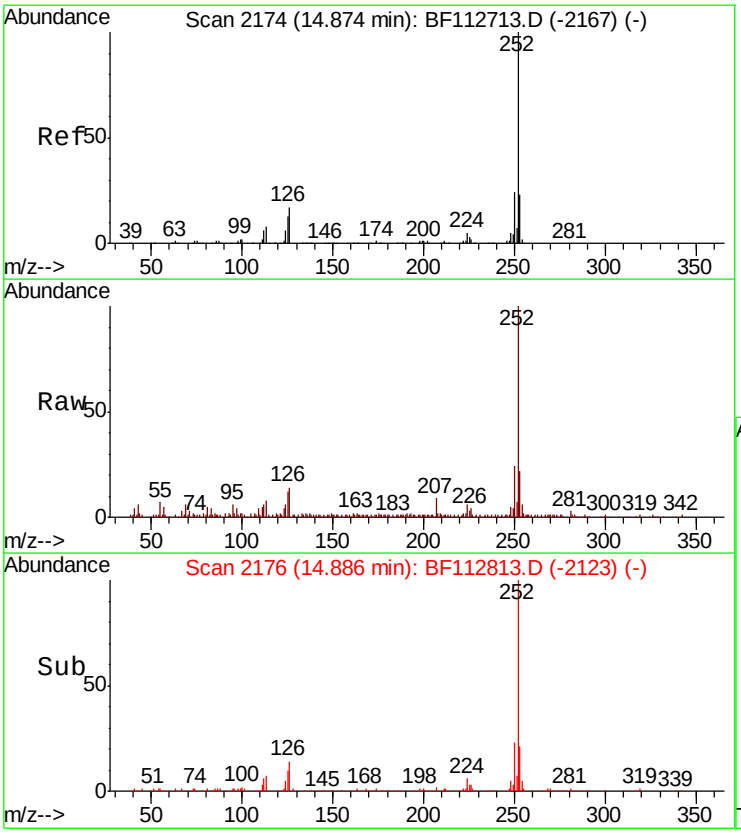

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:264 Resp: 322277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 18.7 | 28.1 |
| 265 | 21.3 | 17.2 | 25.8 |

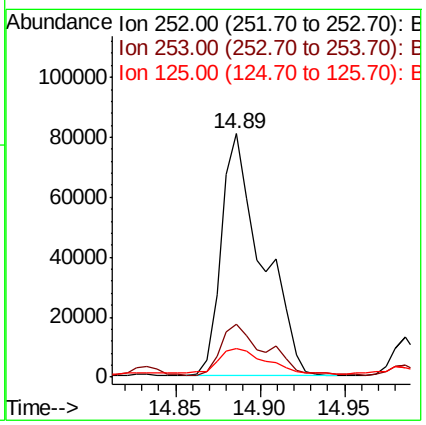


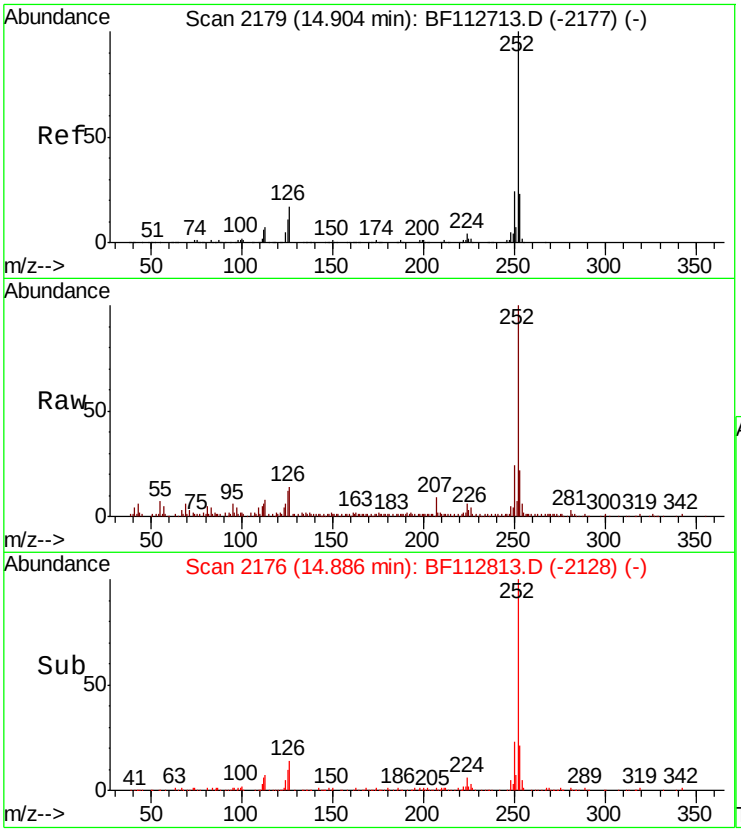




#88
Benzo(b)fluoranthene
Concen: 6.514 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:252 Resp: 135790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.0 | 27.0 |
| 125 | 11.8 | 10.2 | 15.2 |



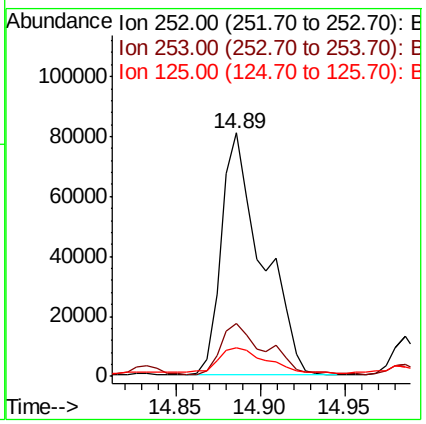


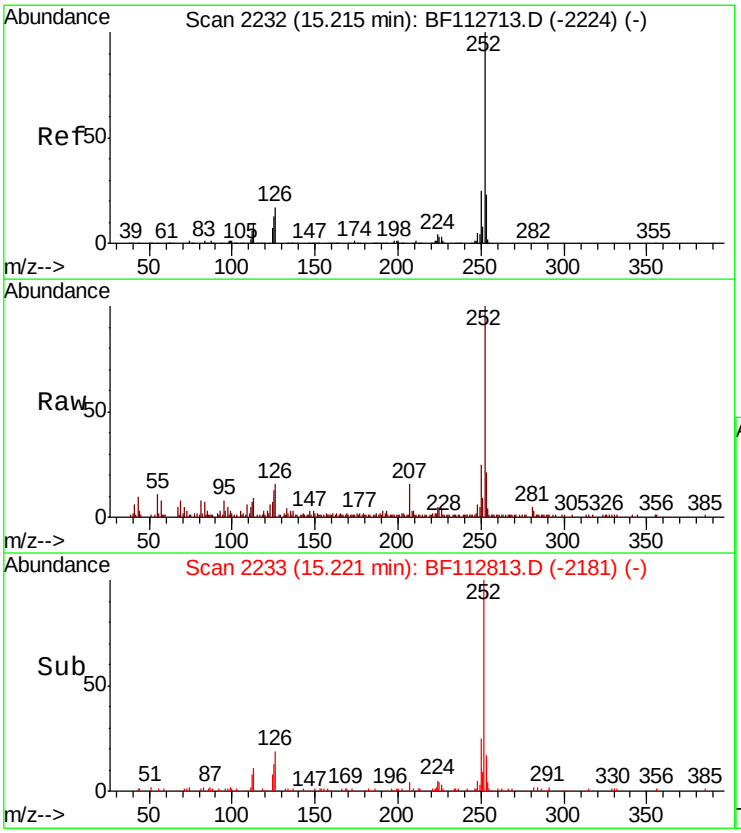

#89
Benzo(k)fluoranthene
Concen: 7.191 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:252 Resp: 135790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.2 | 27.2 |
| 125 | 11.8 | 9.8 | 14.6 |

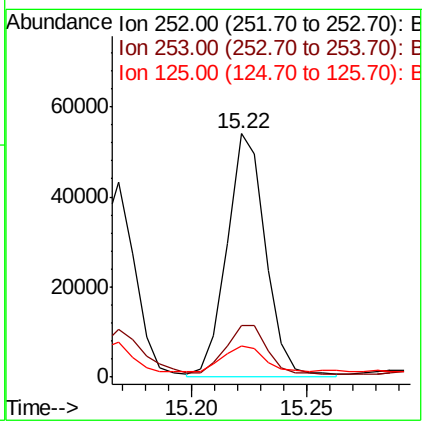


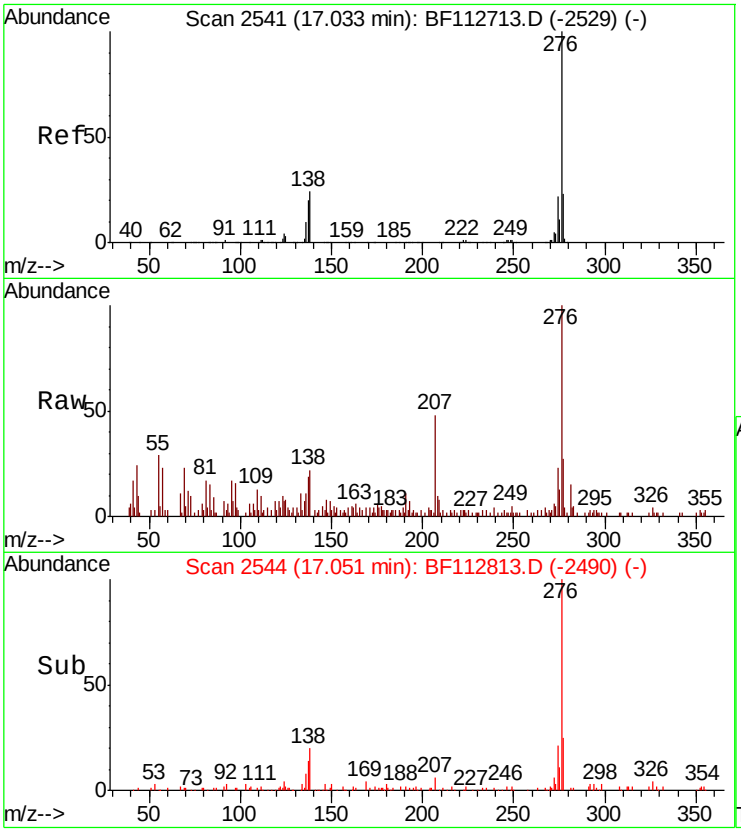




#90
Benzo(a)pyrene
Concen: 3.410 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion:252 Resp: 62869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 18.0 | 27.0 |
| 125 | 12.7 | 10.7 | 16.1 |






#92
Benzo(g,h,i)perylene
Concen: 2.296 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

**Instrument :**
BNA_F
**ClientSampleId :**
Z-4-A-B

Tgt Ion:276 Resp: 36279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.5 | 18.6 | 27.8 |
| 138 | 22.1 | 19.4 | 29.0 |