Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114947.D
Acq On : 11 Jun 2019 15:38
Operator : HP/JU
Sample : 3158-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 11 16:24:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 16:44:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 234540 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 919756 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.69 | 164 | 456656 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.16 | 188 | 815868 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.79 | 240 | 603623 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.19 | 264 | 412046 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 638028 | 46.04 | ng | | 0.00 |
| 7) Phenol-d6 | 6.30 | 99 | 801957 | 47.98 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 458832 | 30.65 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.47 | 330 | 208456 | 41.96 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.02 | 172 | 965610 | 33.56 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.74 | 244 | 962922 | 31.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 60420 | 5.780 | ng | # | 74 |
| 25) Isophorone | 7.22 | 82 | 448171 | 15.289 | ng | # | 62 |
| 49) Acenaphthylene | 9.55 | 152 | 121097 | 2.849 | ng | | 96 |
| 50) Dimethylphthalate | 9.41 | 163 | 90792 | 2.645 | ng | | 99 |
| 71) Phenanthrene | 11.19 | 178 | 297240 | 7.509 | ng | | 97 |
| 72) Anthracene | 11.24 | 178 | 98736 | 2.458 | ng | | 96 |
| 75) Fluoranthene | 12.37 | 202 | 540979 | 13.213 | ng | | 96 |
| 78) Pyrene | 12.60 | 202 | 584241 | 11.114 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.82 | 228 | 293643 | 6.579 | ng | | 97 |
| 83) Chrysene | 13.82 | 228 | 293643 | 6.552 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 16.50 | 276 | 121216 | 2.877 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 14.80 | 252 | 390462 | 14.556 | ng | # | 91 |
| 89) Benzo(k)fluoranthene | 14.80 | 252 | 390462 | 16.772 | ng | # | 90 |
| 90) Benzo(a)pyrene | 15.13 | 252 | 205418 | 8.816 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 16.89 | 276 | 124975 | 6.370 | ng | | 92 |

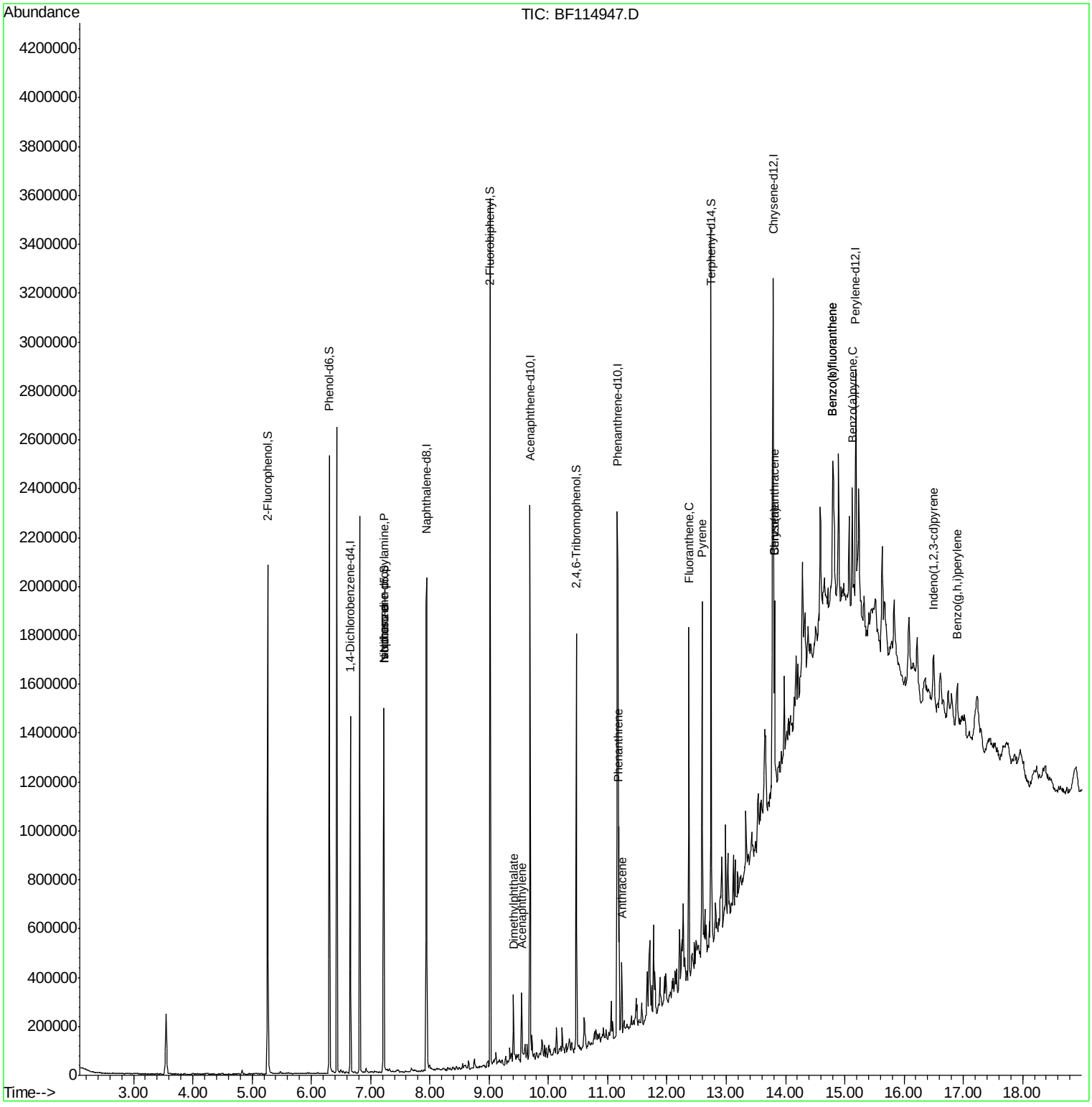
(#) = qualifier out of range (m) = manual integration (+) = signals summed

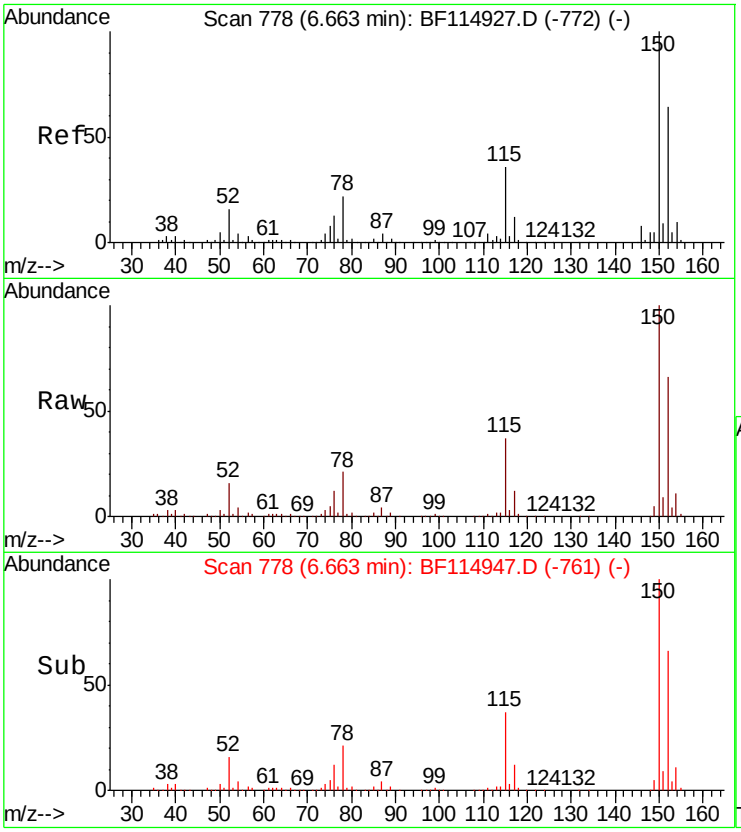
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114947.D
Acq On : 11 Jun 2019 15:38
Operator : HP/JU
Sample : 3158-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 11 16:24:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 16:44:00 2019
Response via : Initial Calibration



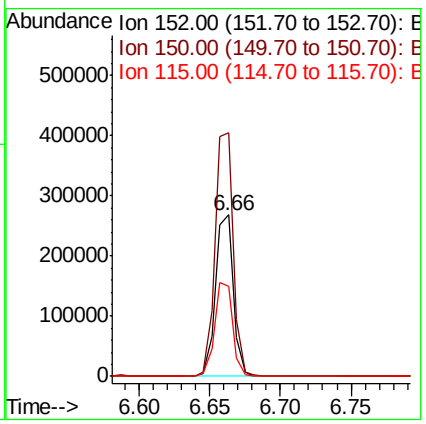


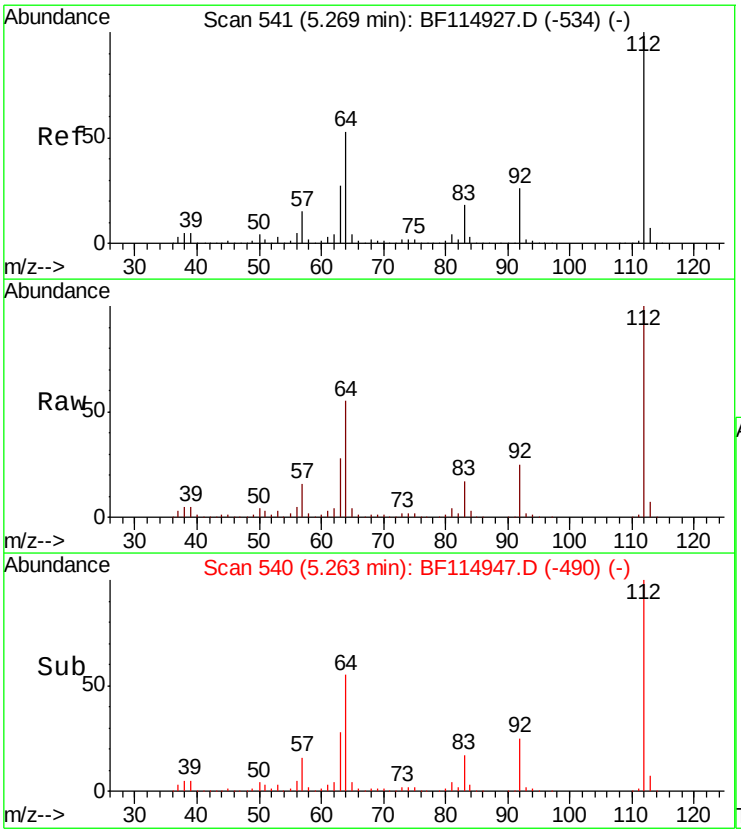

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:152 Resp: 234540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.0 | 125.2 | 187.8 |
| 115 | 55.6 | 45.0 | 67.4 |

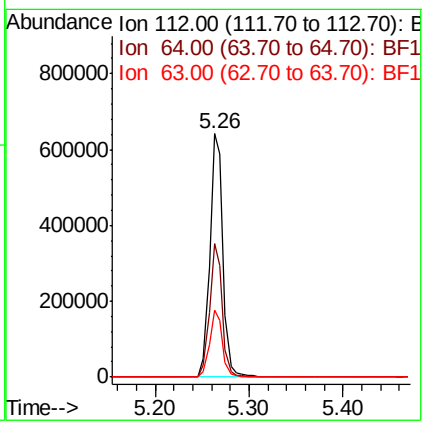


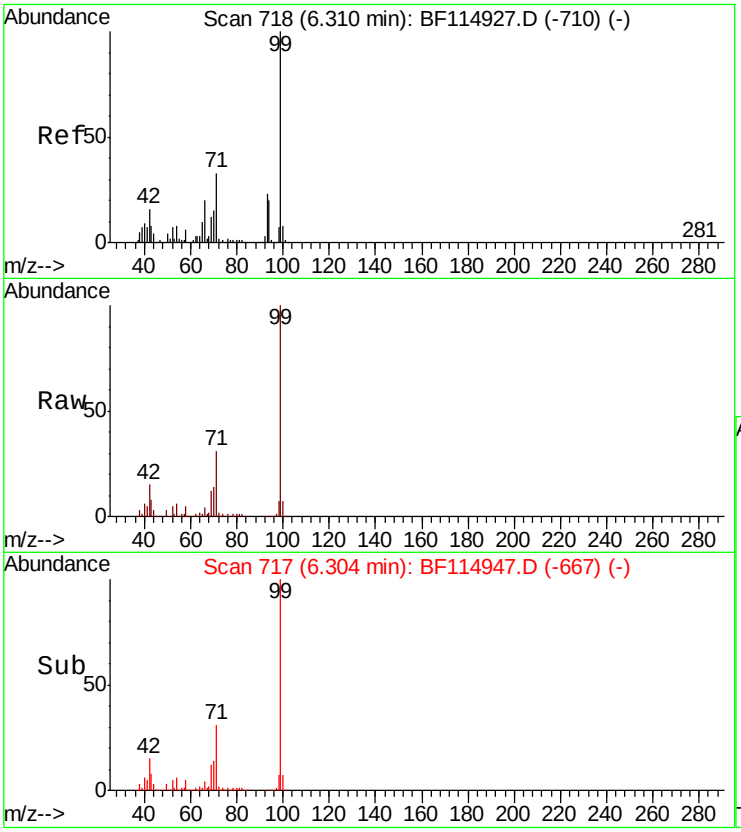




#5
2-Fluorophenol
Concen: 46.039 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:112 Resp: 638028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.7 | 42.1 | 63.1 |
| 63 | 27.6 | 21.8 | 32.8 |



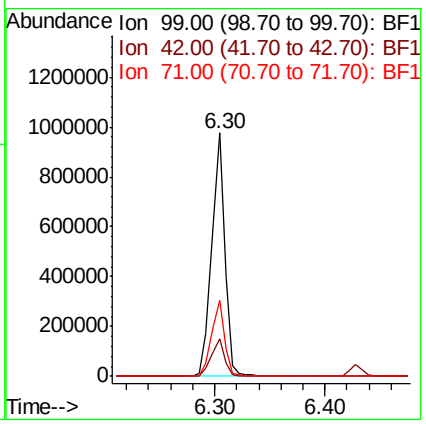


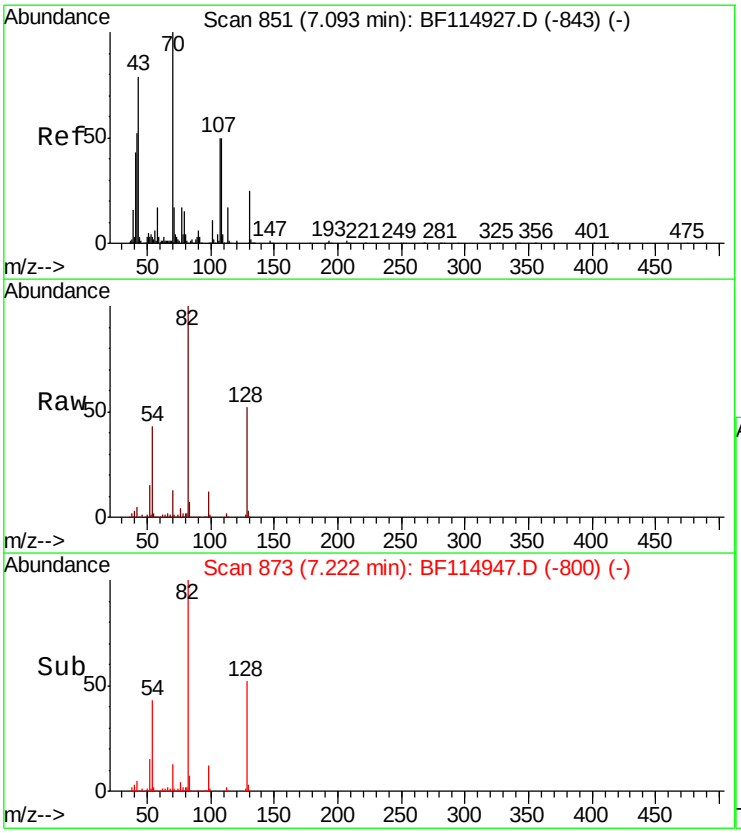

#7
Phenol-d6
Concen: 47.976 ng
RT: 6.30 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion: 99 Resp: 801957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.4 | 13.1 | 19.7 |
| 71 | 31.3 | 26.8 | 40.2 |

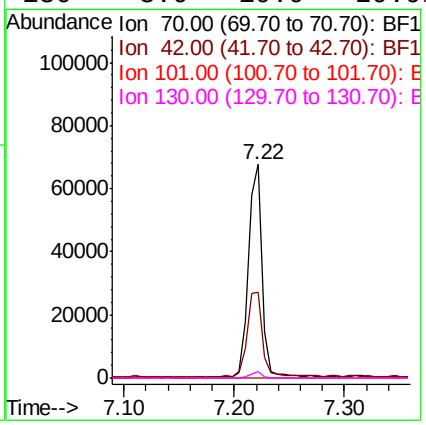


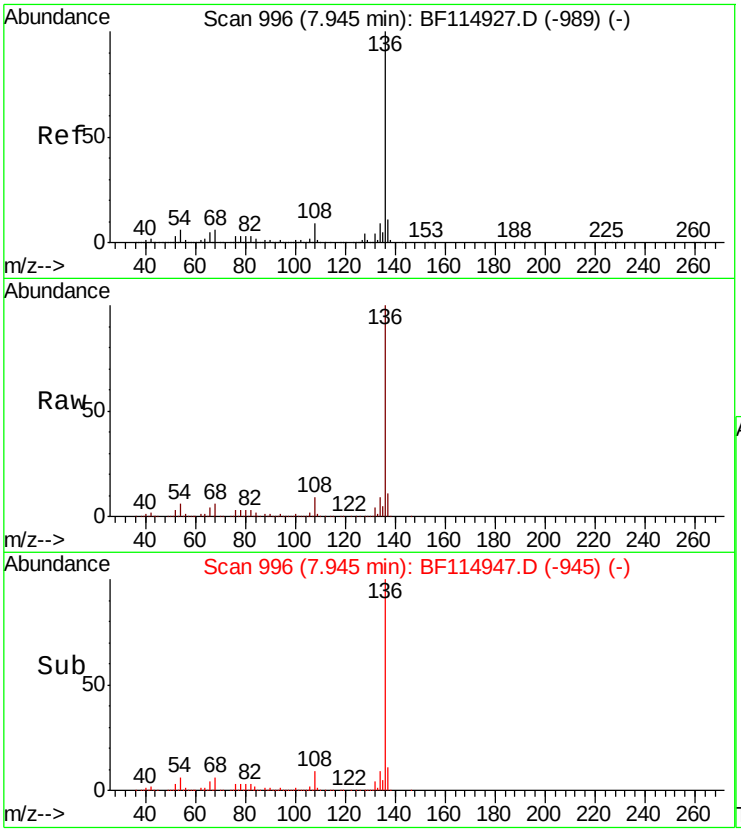




#19
n-Nitroso-di-n-propylamine
Concen: 5.780 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.13 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion: 70 Resp: 60420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.3 | 41.7 | 62.5# |
| 101 | 0.0 | 8.4 | 12.6# |
| 130 | 3.0 | 19.9 | 29.9# |



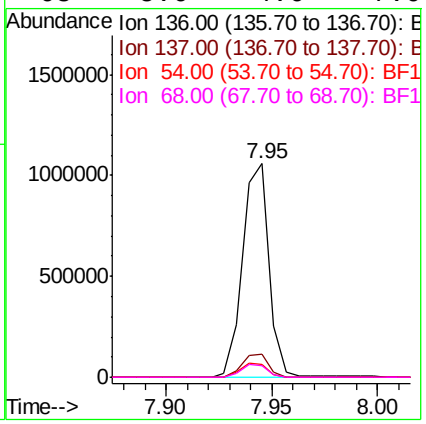


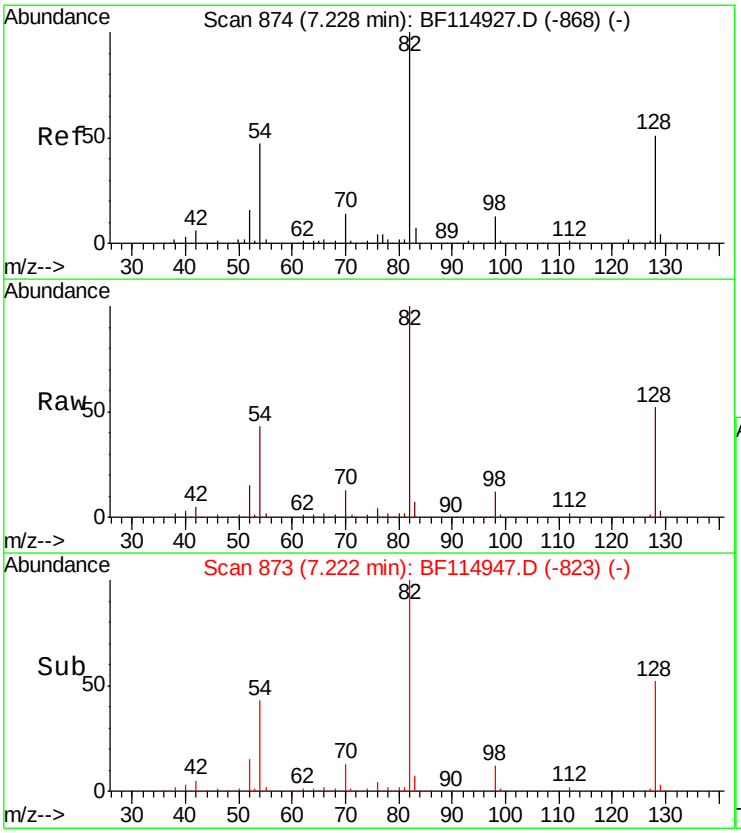

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:136 Resp: 919756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.6 |
| 54 | 5.8 | 5.2 | 7.8 |
| 68 | 5.6 | 4.6 | 7.0 |

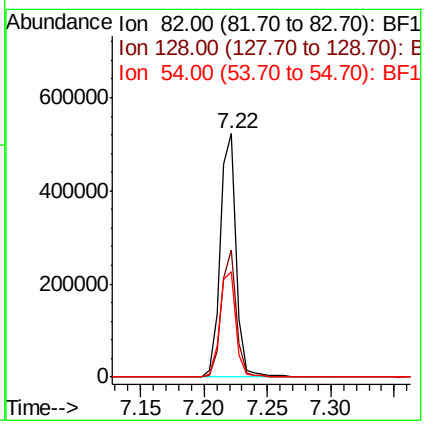


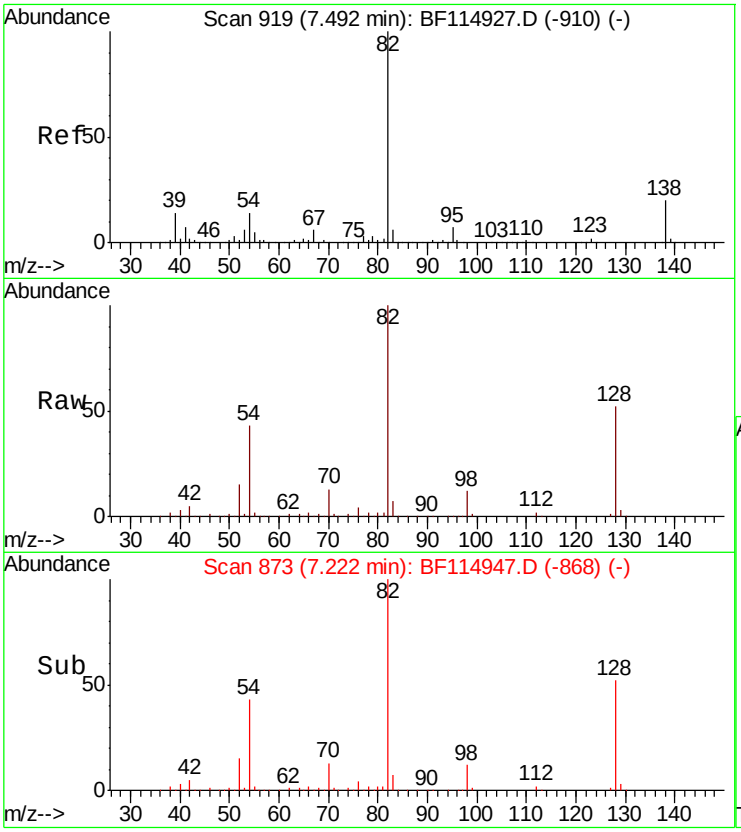




#23
Nitrobenzene-d5
Concen: 30.651 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion: 82 Resp: 458832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.1 | 40.9 | 61.3 |
| 54 | 43.4 | 37.4 | 56.0 |



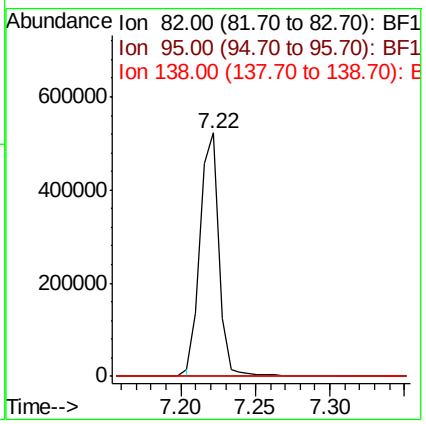


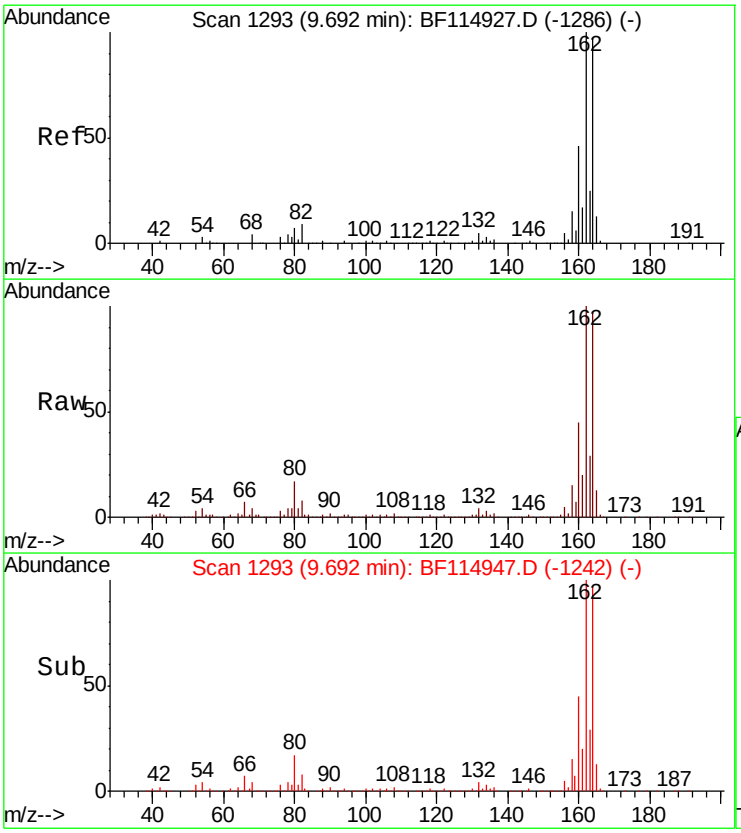

#25
Isophorone
Concen: 15.289 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.27 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion: 82 Resp: 448171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 5.7 | 8.5# |
| 138 | 0.0 | 16.4 | 24.6# |

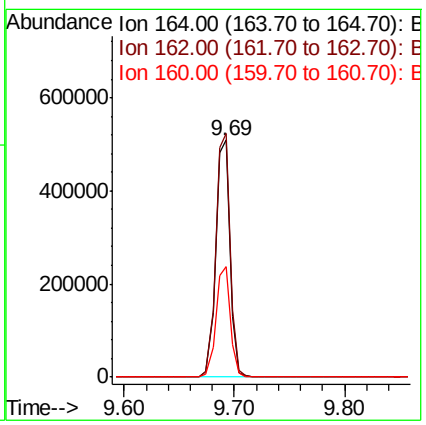


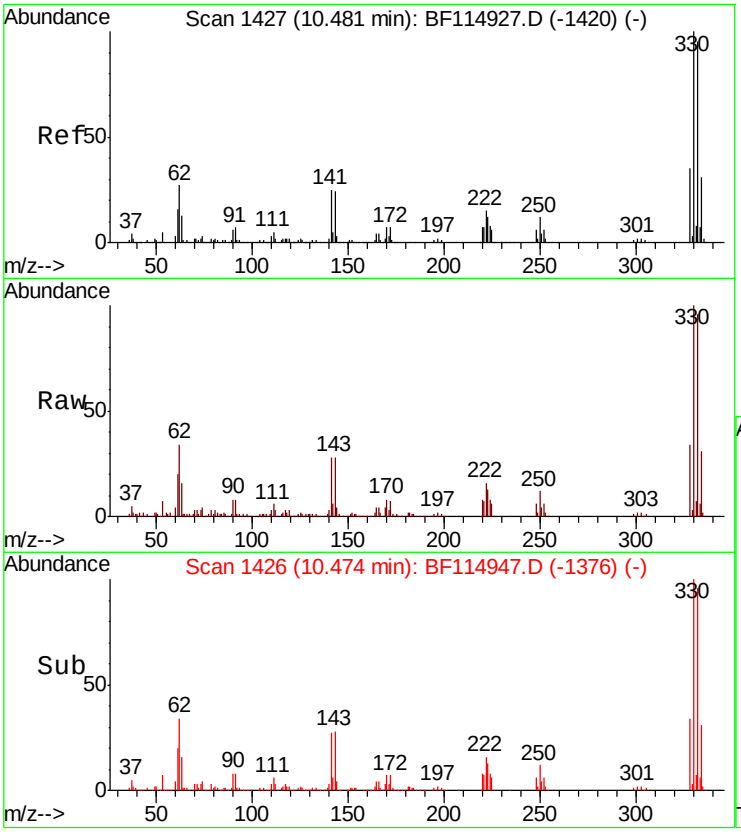




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:164 Resp: 456656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 82.4 | 123.6 |
| 160 | 46.4 | 37.5 | 56.3 |



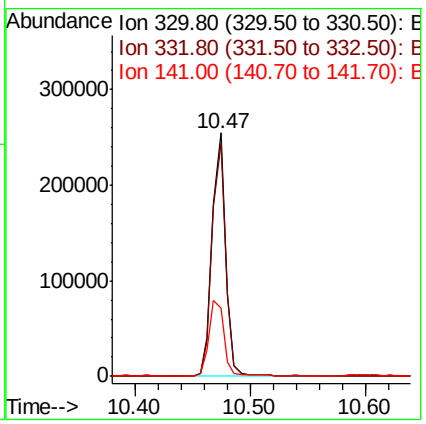


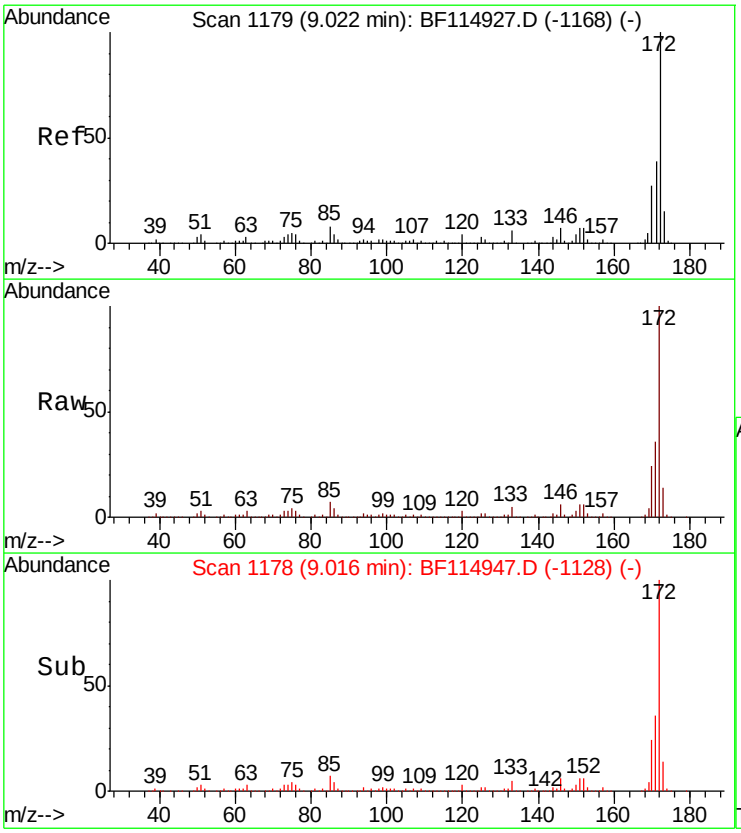

#42
2,4,6-Tribromophenol
Concen: 41.964 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:330 Resp: 208456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.4 | 114.6 |
| 141 | 33.8 | 26.8 | 40.2 |

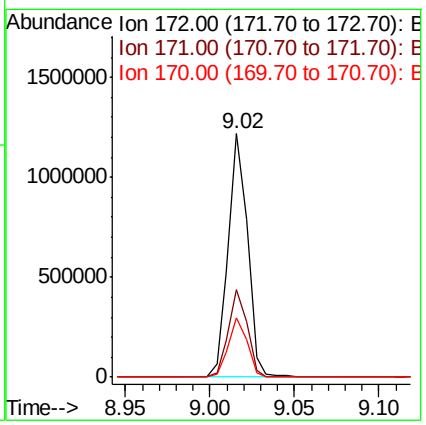


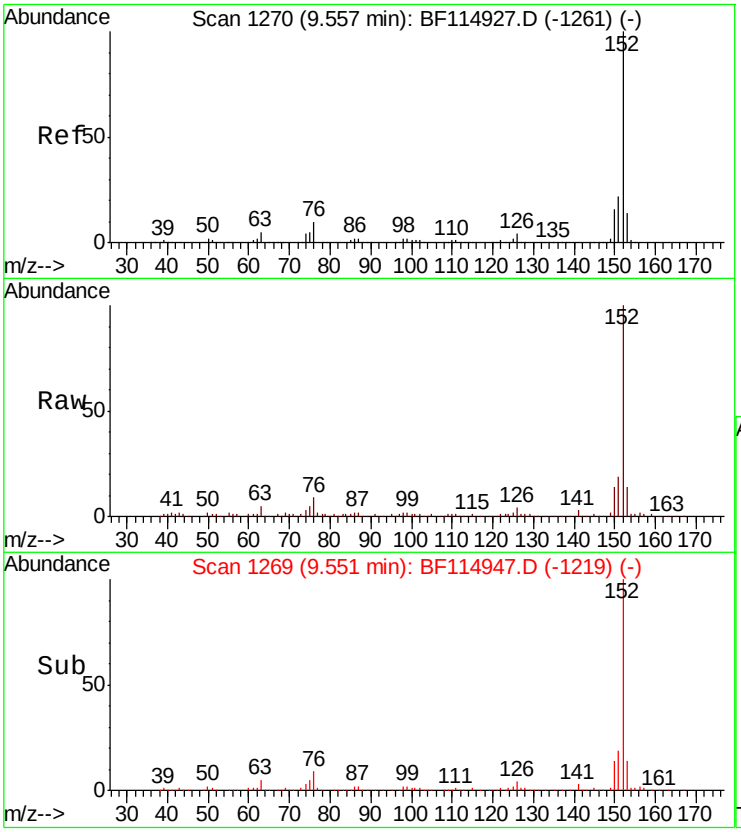




#45
2-Fluorobiphenyl
Concen: 33.559 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:172 Resp: 965610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 31.3 | 46.9 |
| 170 | 24.4 | 21.4 | 32.0 |



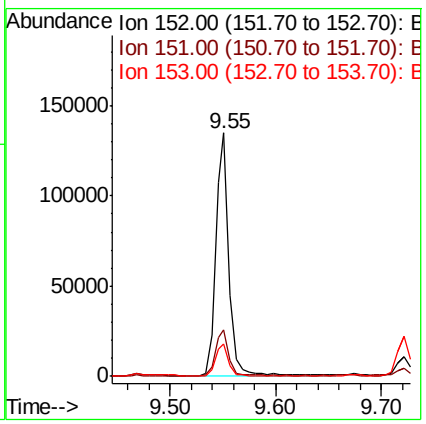


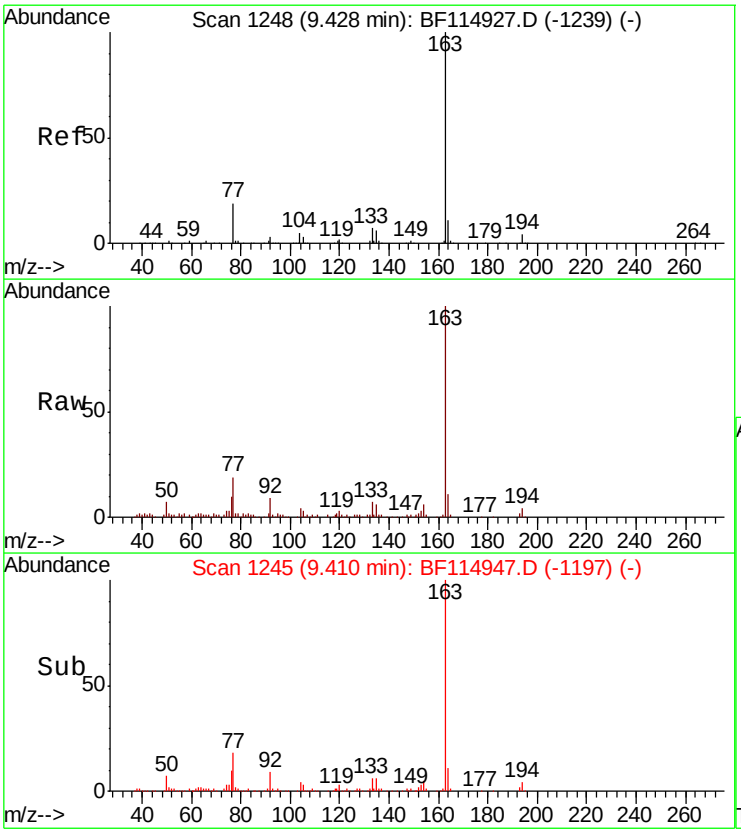

#49
Acenaphthylene
Concen: 2.849 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:152 Resp: 121097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 17.6 | 26.4 |
| 153 | 13.5 | 11.4 | 17.0 |

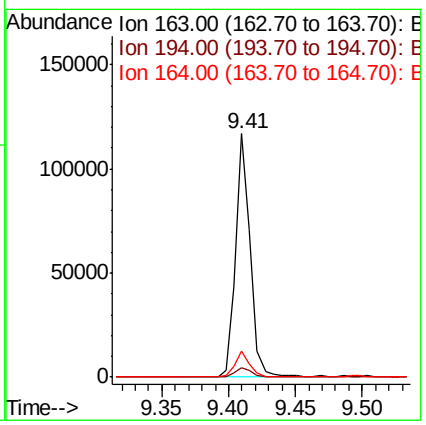


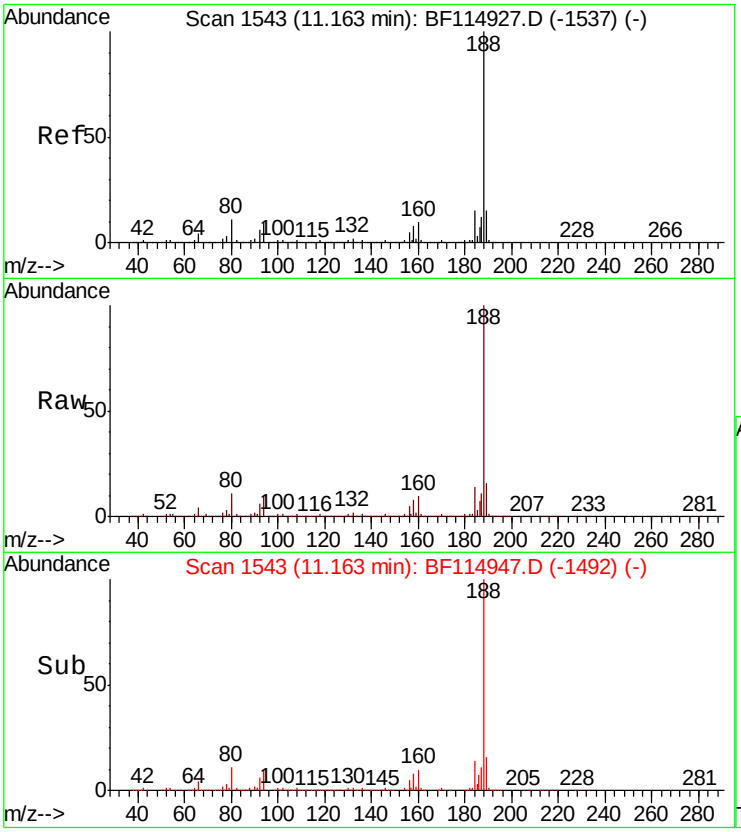




#50
Dimethylphthalate
Concen: 2.645 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:163 Resp: 90792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.4 | 5.0 |
| 164 | 10.6 | 8.7 | 13.1 |



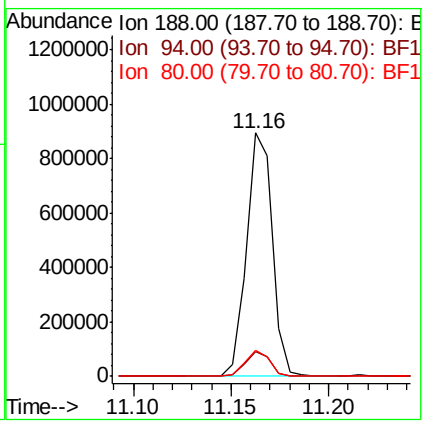


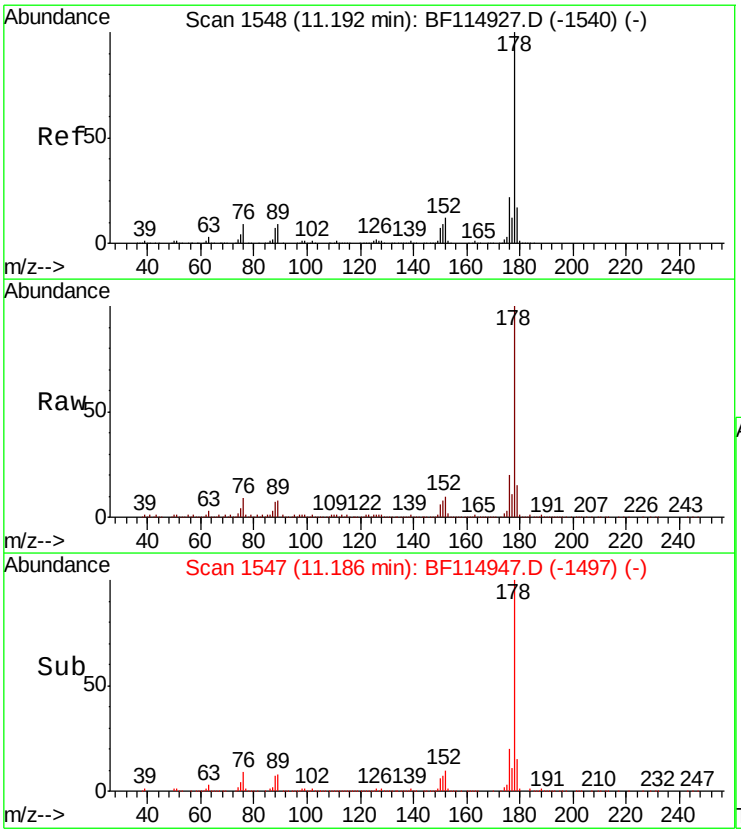

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:188 Resp: 815868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 10.9 | 8.6 | 12.8 |

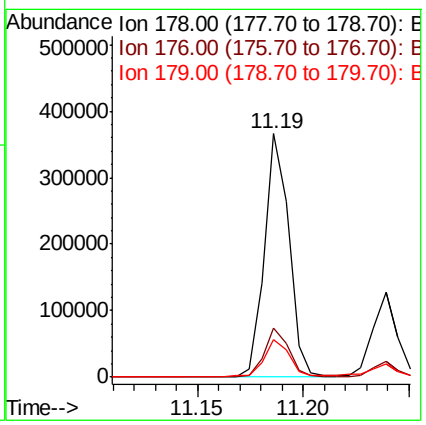


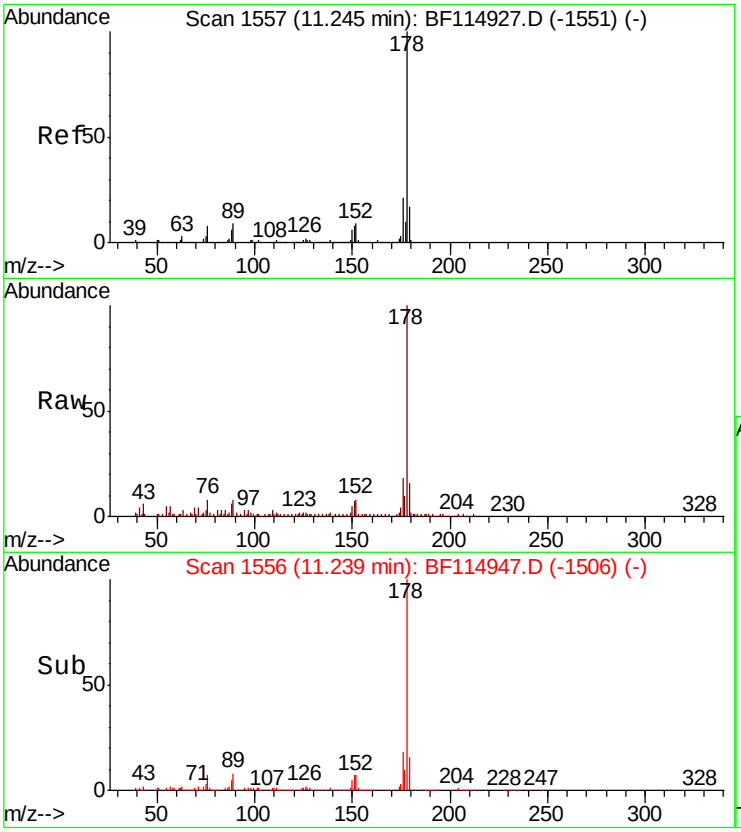




#71
Phenanthrene
Concen: 7.509 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:178 Resp: 297240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 17.4 | 26.2 |
| 179 | 15.5 | 13.6 | 20.4 |



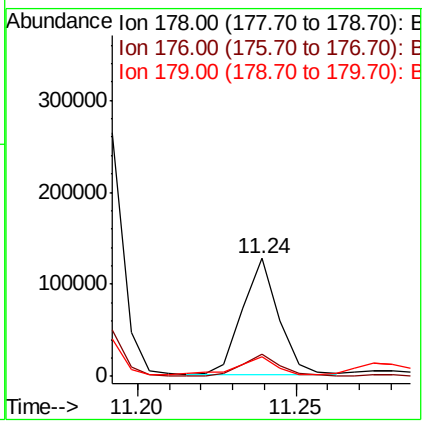


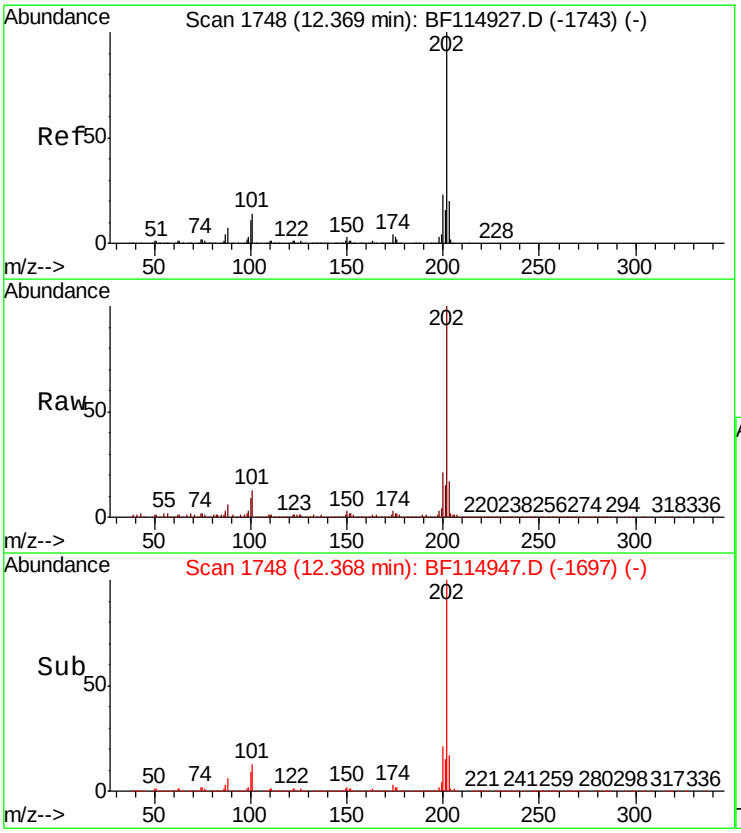

#72
Anthracene
Concen: 2.458 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:178 Resp: 98736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 16.6 | 25.0 |
| 179 | 16.2 | 13.4 | 20.2 |

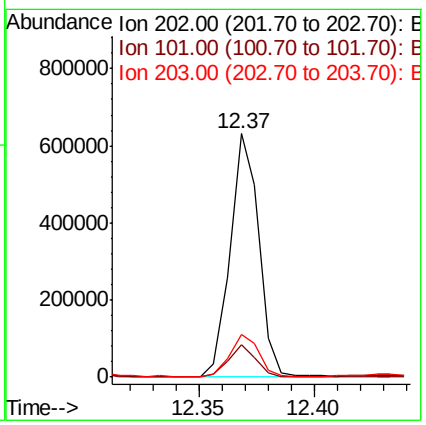


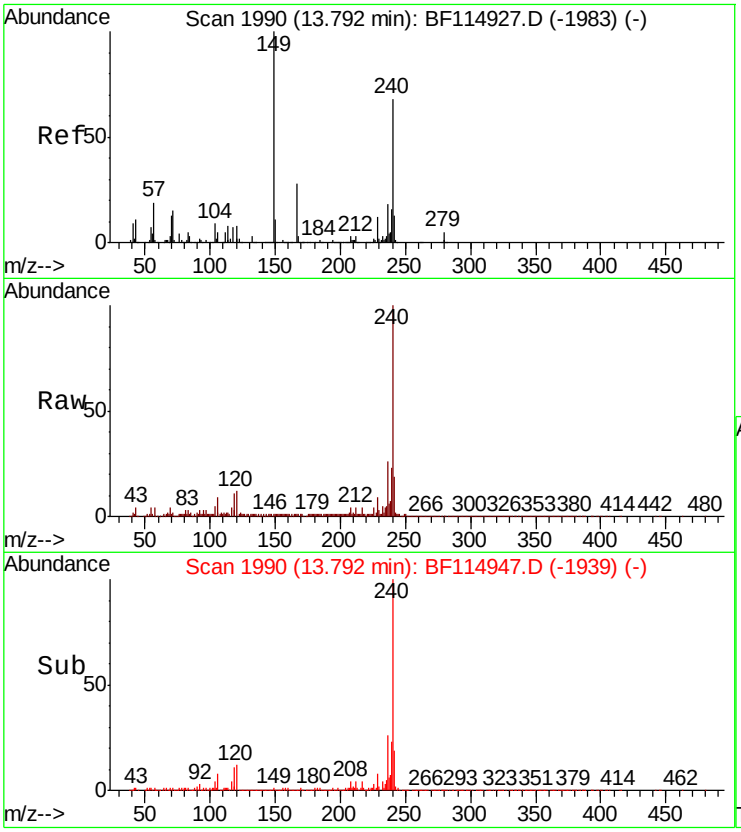




#75
Fluoranthene
Concen: 13.213 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:202 Resp: 540979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 34.3 |
| 203 | 17.3 | 0.0 | 39.6 |



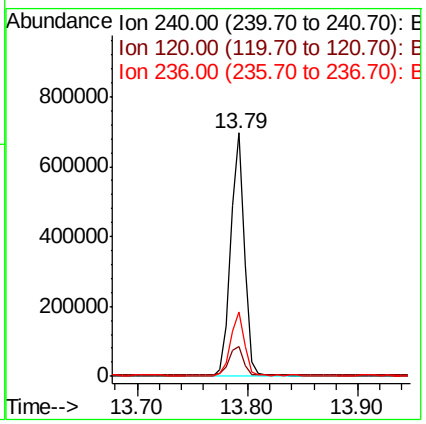


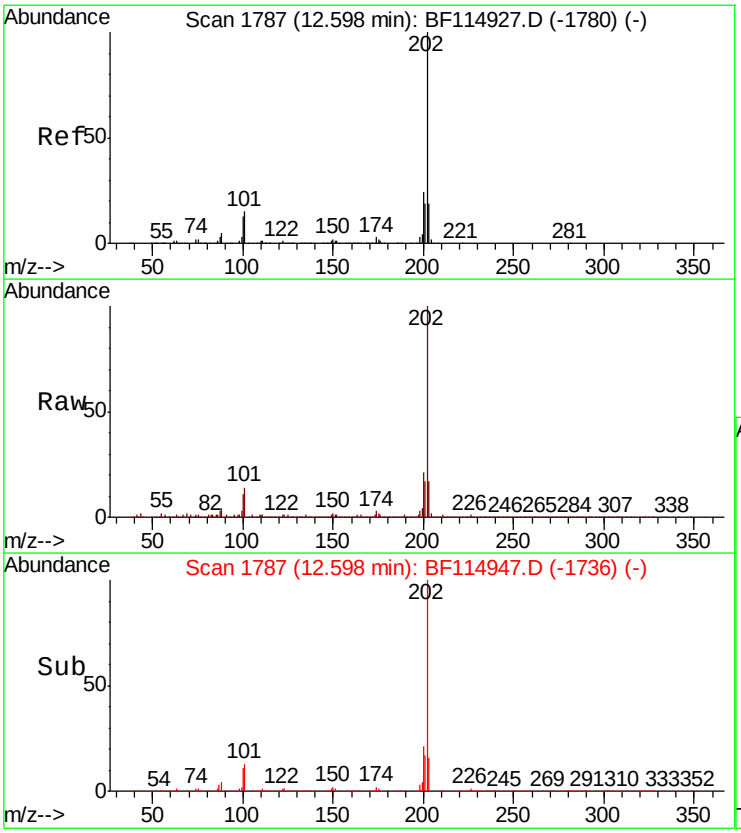

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:240 Resp: 603623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 9.2 | 13.8 |
| 236 | 26.3 | 21.7 | 32.5 |

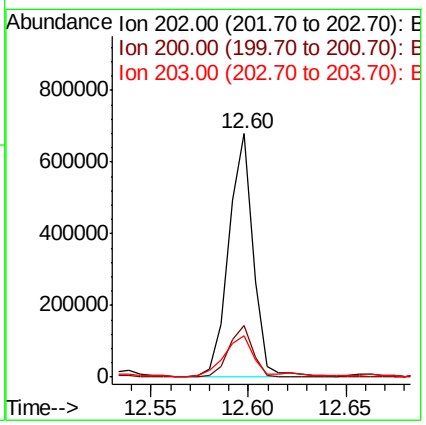


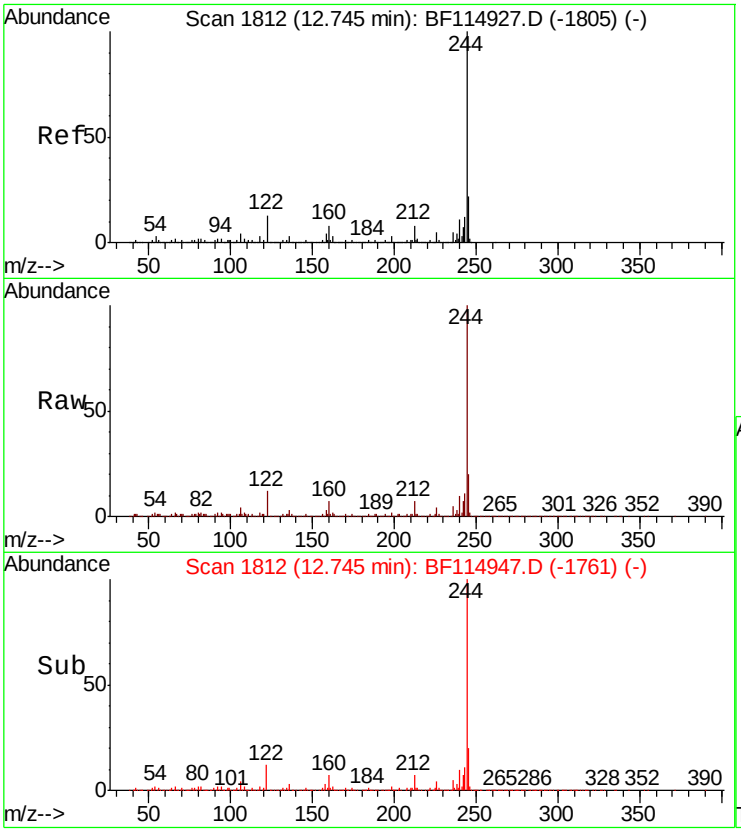




#78
Pyrene
Concen: 11.114 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:202 Resp: 584241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 18.9 | 28.3 |
| 203 | 17.0 | 15.2 | 22.8 |



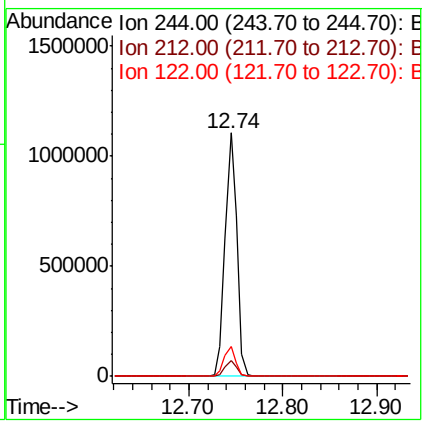


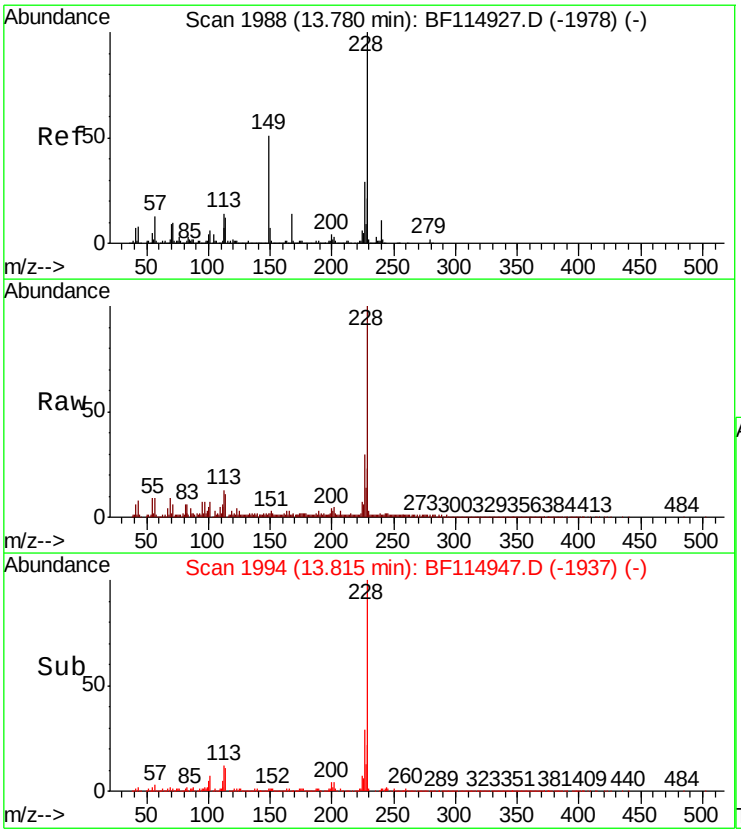

#79
Terphenyl-d14
Concen: 31.725 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:244 Resp: 962922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 6.2 | 9.2 |
| 122 | 12.4 | 10.2 | 15.4 |

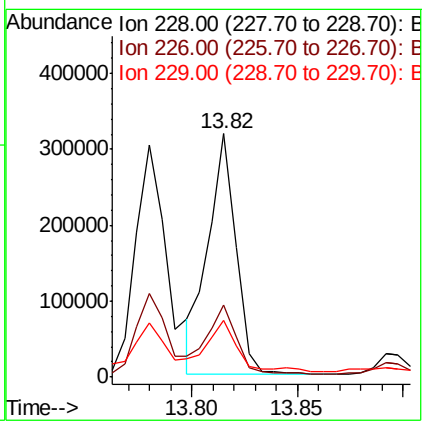


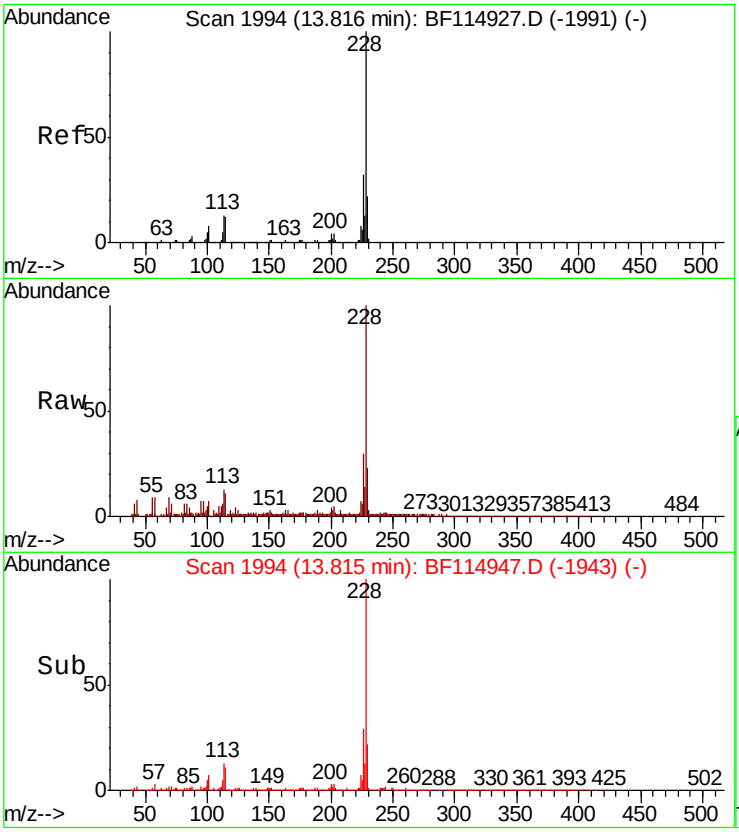




#81
Benzo(a)anthracene
Concen: 6.579 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.04 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:228 Resp: 293643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 22.8 | 34.2 |
| 229 | 23.2 | 16.6 | 25.0 |



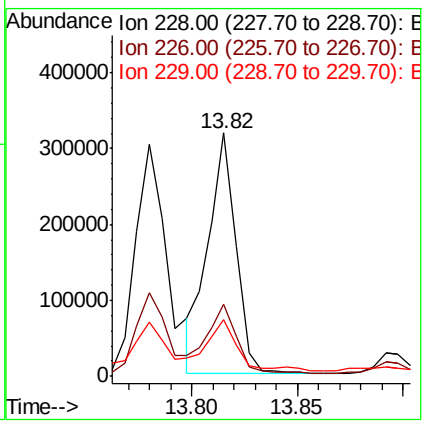


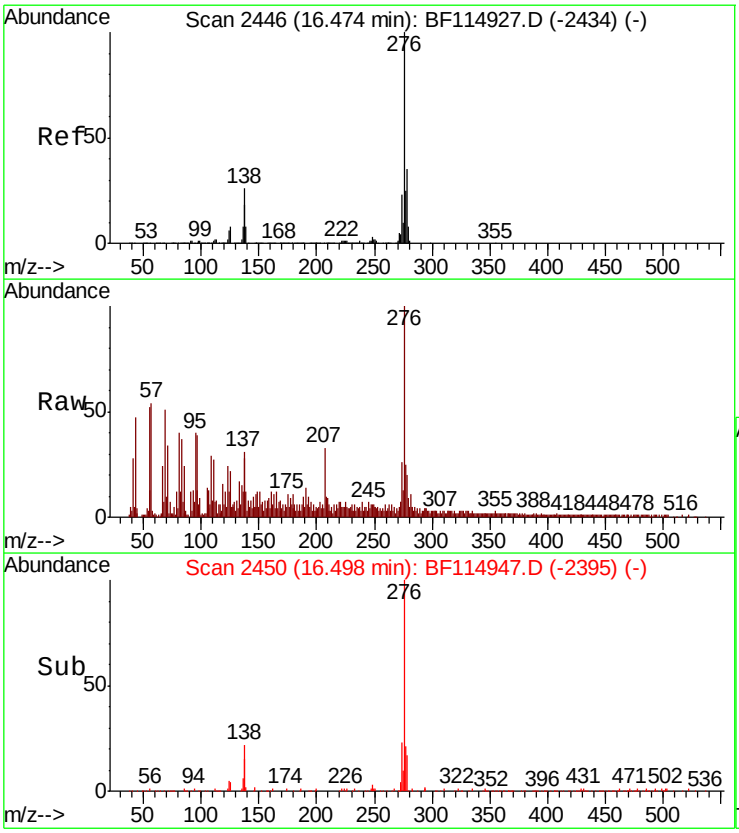

#83
Chrysene
Concen: 6.552 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:228 Resp: 293643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 25.8 | 38.8 |
| 229 | 23.2 | 17.2 | 25.8 |

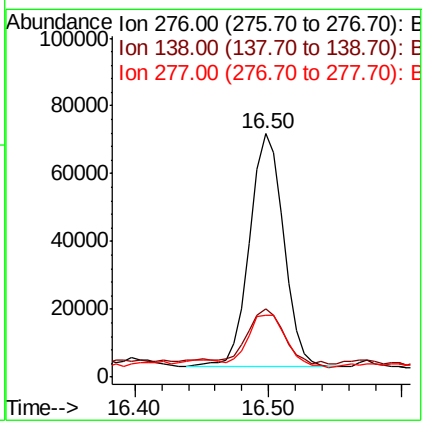


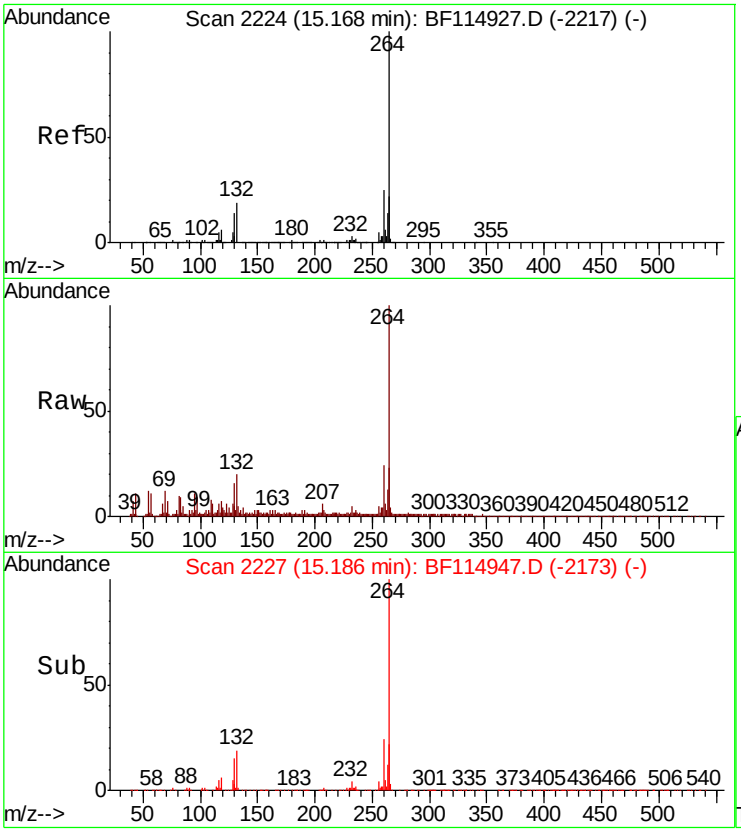




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.877 ng
RT: 16.50 min Scan# 2450
Delta R.T. 0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:276 Resp: 121216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.1 | 23.3 | 34.9 |
| 277 | 25.0 | 20.5 | 30.7 |



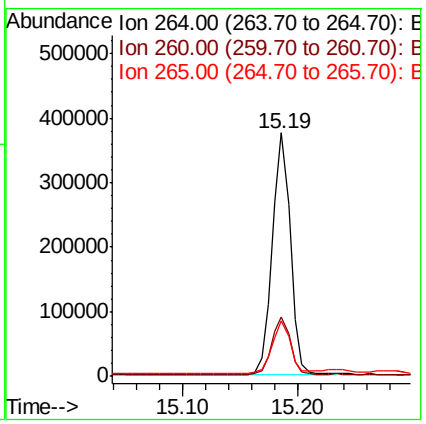


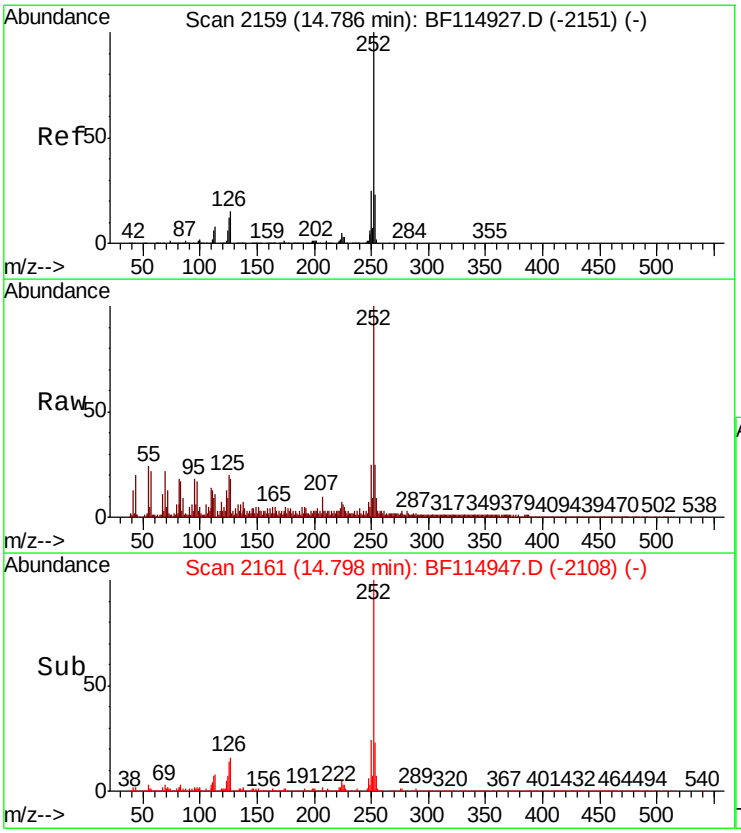

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:264 Resp: 412046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.7 | 29.5 |
| 265 | 22.6 | 17.5 | 26.3 |

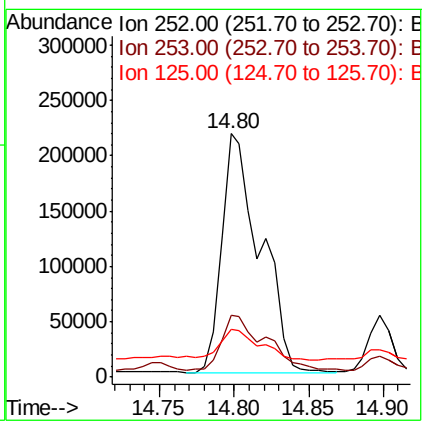


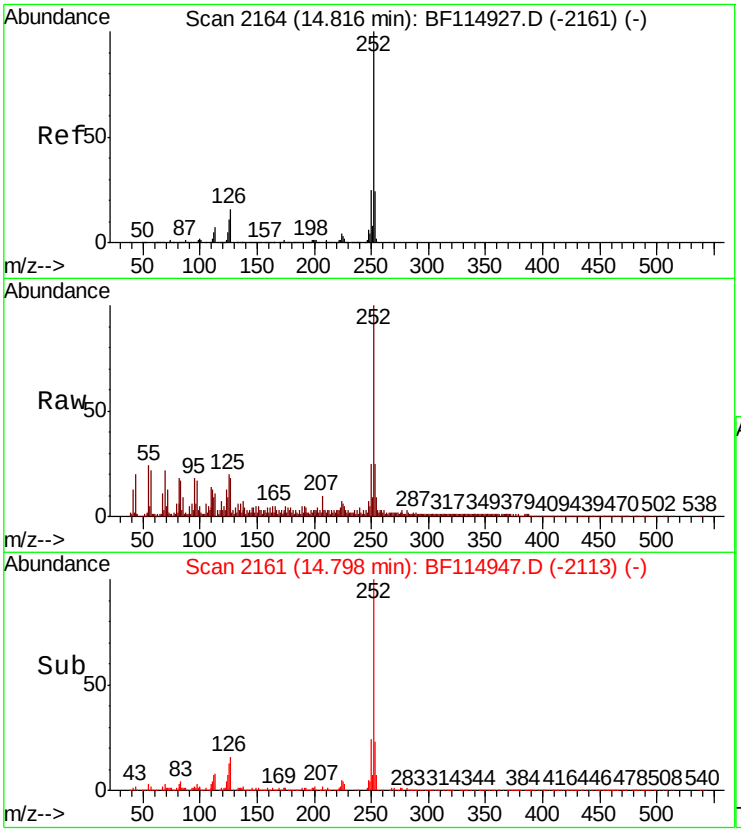




#88
Benzo(b)fluoranthene
Concen: 14.556 ng
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:252 Resp: 390462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 18.6 | 28.0 |
| 125 | 19.7 | 9.5 | 14.3# |



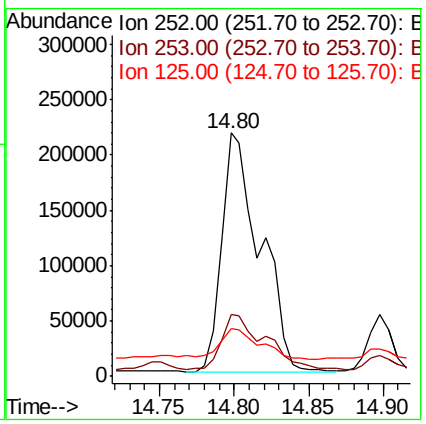


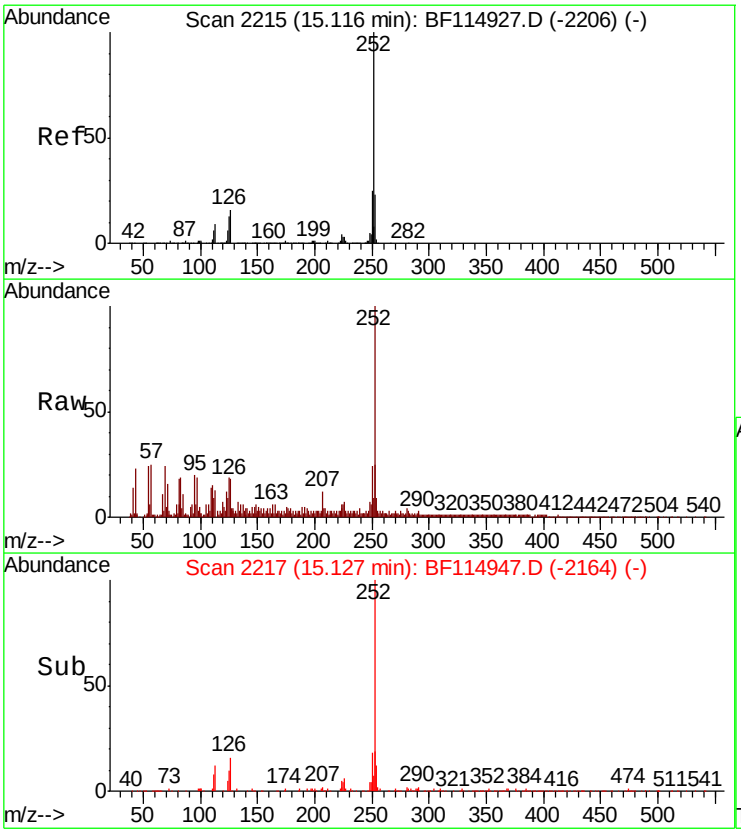

#89
Benzo(k)fluoranthene
Concen: 16.772 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:252 Resp: 390462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 18.6 | 28.0 |
| 125 | 19.7 | 9.2 | 13.8# |

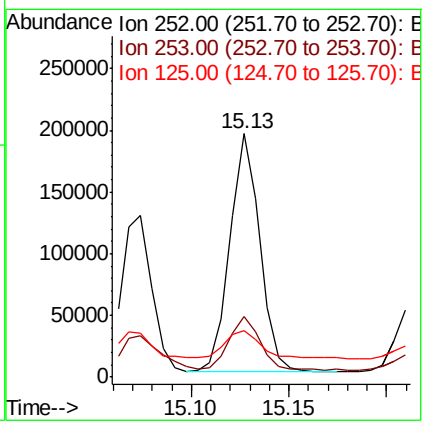


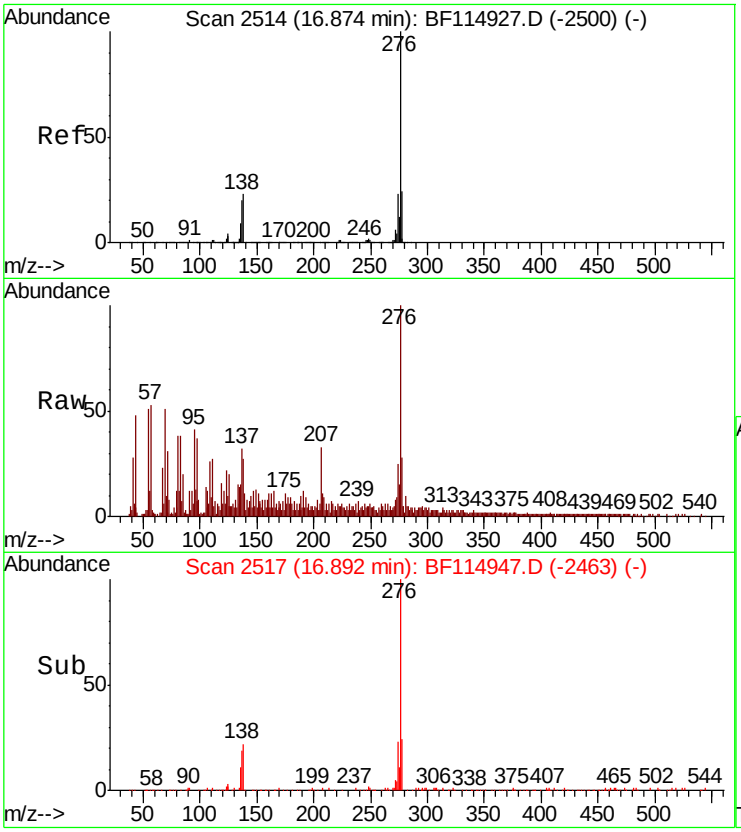




#90
Benzo(a)pyrene
Concen: 8.816 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:252 Resp: 205418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 18.2 | 27.2 |
| 125 | 19.1 | 10.1 | 15.1# |






#92
Benzo(g,h,i)perylene
Concen: 6.370 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

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

Tgt Ion:276 Resp: 124975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.6 | 19.0 | 28.6 |
| 138 | 27.5 | 18.7 | 28.1 |