Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117041.D
Acq On : 13 Sep 2019 23:45
Operator : HP/JU
Sample : K4837-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P66-LINDEN-GEN-SP

Quant Time: Sep 14 00:20:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 70976 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 284594 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 142213 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 207815 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 130120 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.41 | 264 | 143366 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 444751 | 97.83 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 624284 | 106.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 394814 | 72.89 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 118738 | 99.90 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 636741 | 70.01 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 433296 | 62.24 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.46 | 77 | 891 | Below Cal | | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 53122 | 14.849 | ng | # | 82 |
| 25) Isophorone | 7.38 | 82 | 394811 | 41.168 | ng | # | 66 |
| 50) Dimethylphthalate | 9.56 | 163 | 122968 | 12.212 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 9.85 | 165 | 18201 | 6.837 | ng | # | 20 |
| 67) 4-Bromophenyl-phenylether | 10.64 | 248 | 7712 | 3.634 | ng | # | 1 |
| 71) Phenanthrene | 11.36 | 178 | 95185 | 8.064 | ng | | 99 |
| 72) Anthracene | 11.41 | 178 | 30188 | 2.505 | ng | | 98 |
| 75) Fluoranthene | 12.54 | 202 | 179080 | 14.765 | ng | | 99 |
| 78) Pyrene | 12.77 | 202 | 151087 | 13.838 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.95 | 228 | 58203 | 6.695 | ng | | 98 |
| 83) Chrysene | 13.99 | 228 | 52787 | 6.226 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.84 | 276 | 24077 | 3.892 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 14.99 | 252 | 87774 | 10.107 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 14.99 | 252 | 87774 | 10.670 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.34 | 252 | 47819 | 6.275 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 17.27 | 276 | 23825 | 3.938 | ng | | 96 |

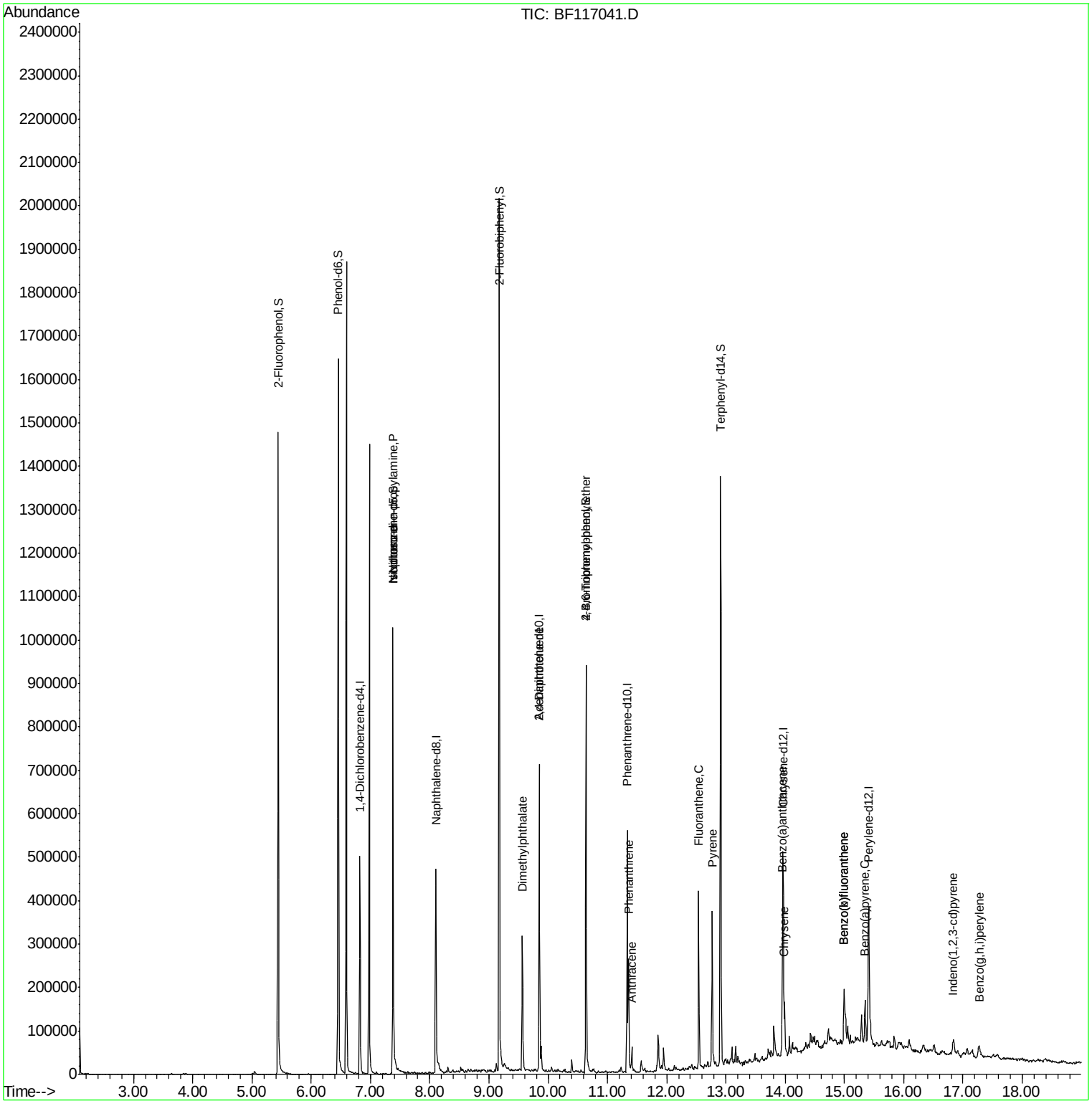
(#) = qualifier out of range (m) = manual integration (+) = signals summed

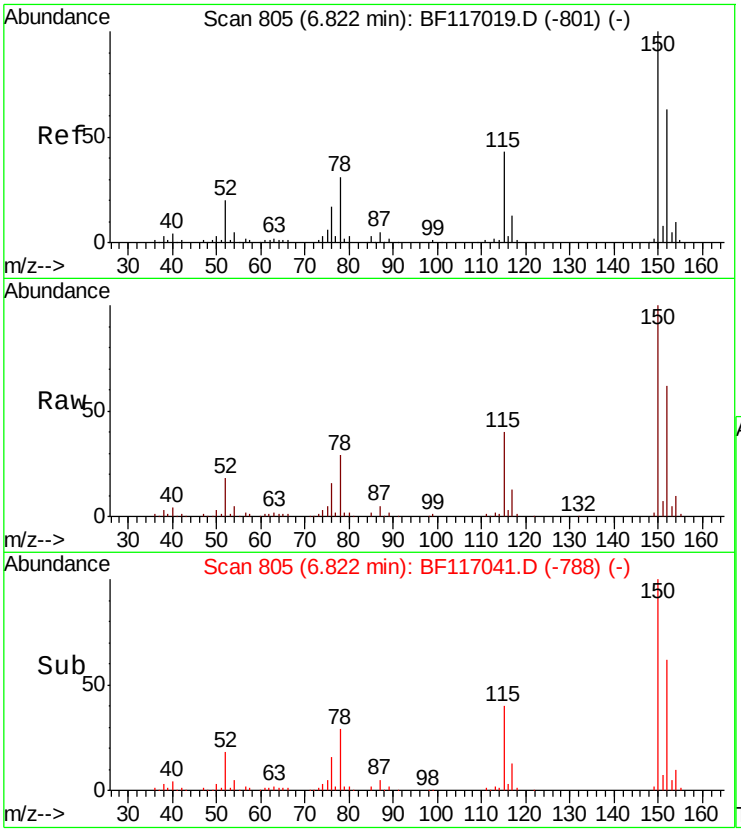
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117041.D
Acq On : 13 Sep 2019 23:45
Operator : HP/JU
Sample : K4837-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Quant Time: Sep 14 00:20:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration



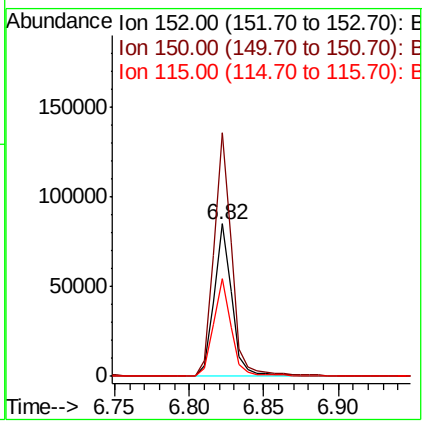


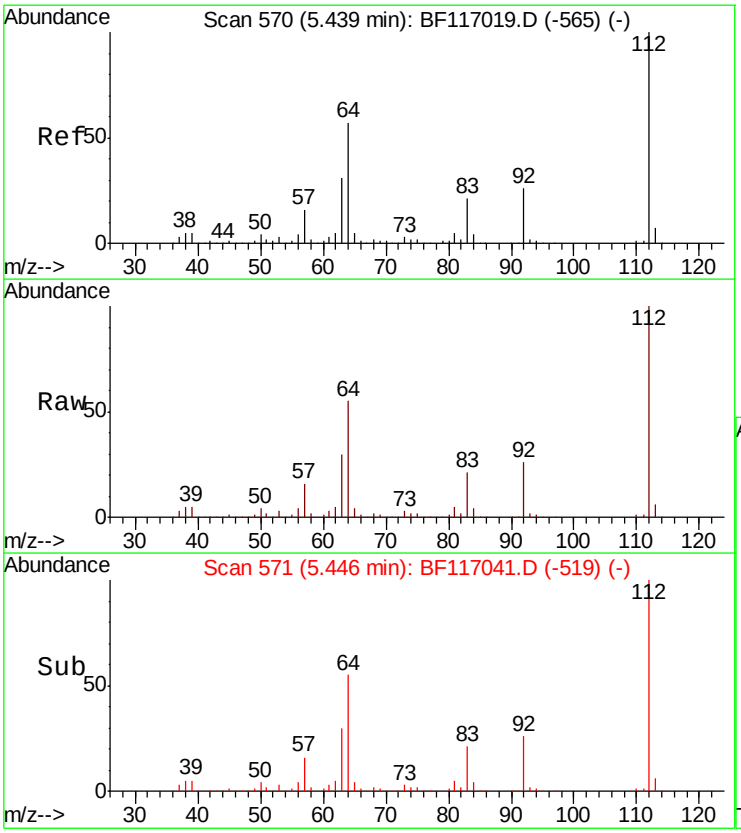

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:152 Resp: 70976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.0 | 127.5 | 191.3 |
| 115 | 64.5 | 55.0 | 82.4 |

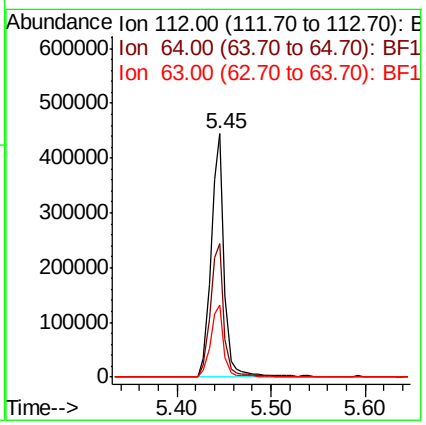


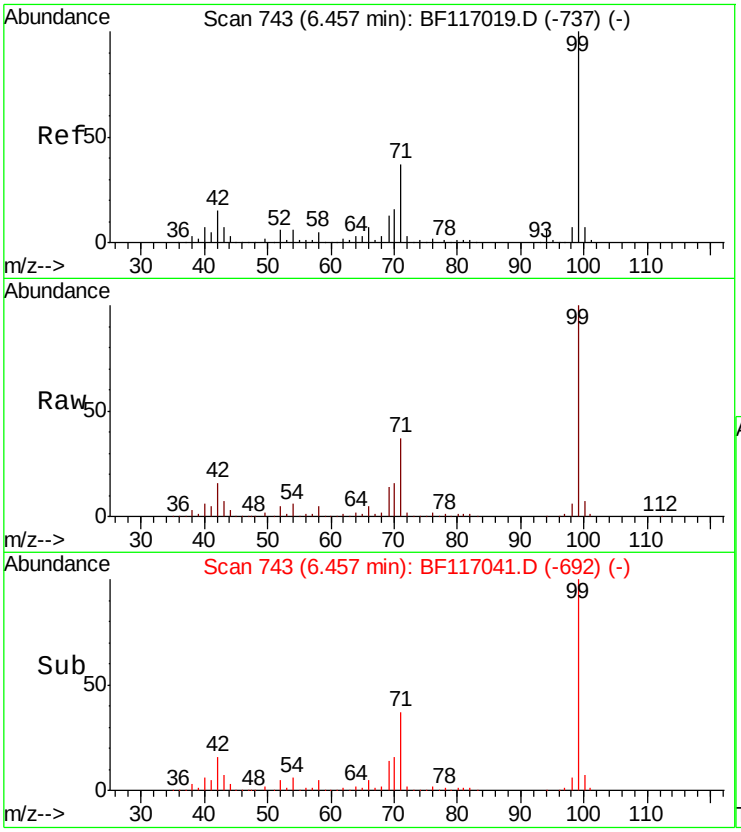




#5
2-Fluorophenol
Concen: 97.831 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:112 Resp: 444751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.9 | 45.7 | 68.5 |
| 63 | 29.8 | 24.9 | 37.3 |



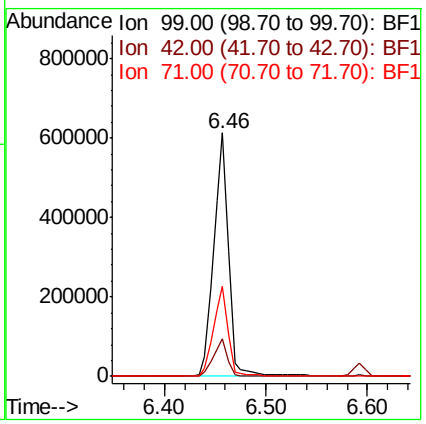


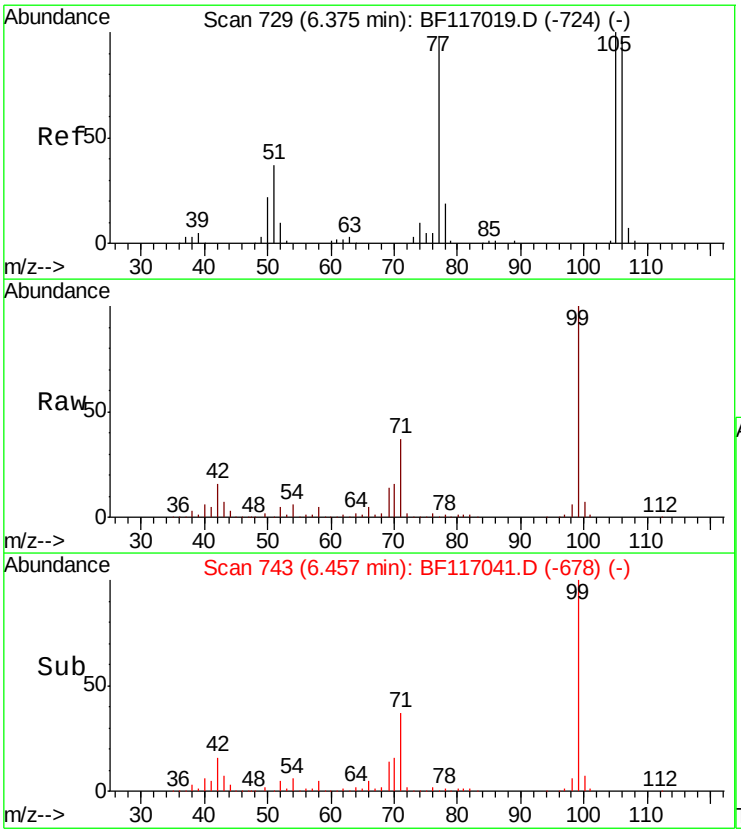

#7
Phenol-d6
Concen: 106.257 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion: 99 Resp: 624284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 12.2 | 18.2 |
| 71 | 37.2 | 29.8 | 44.8 |

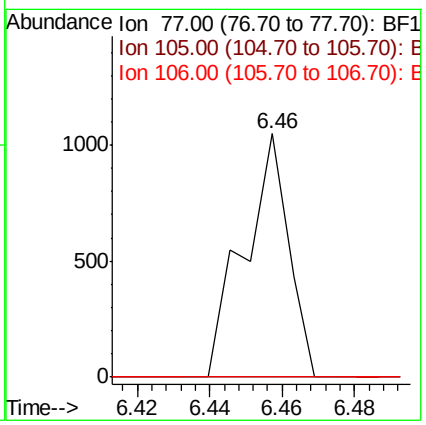


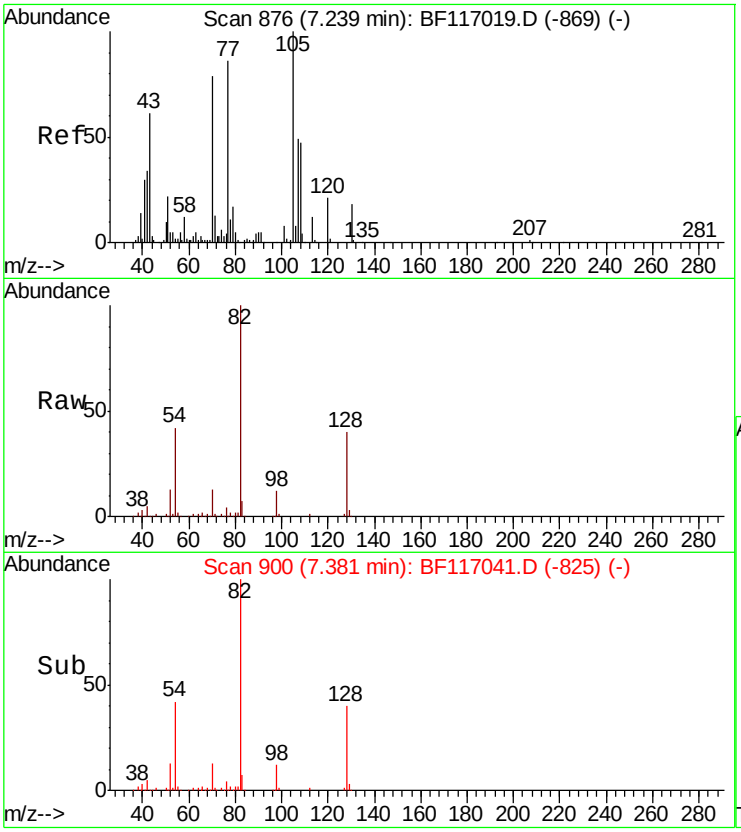




#9
Benzaldehyde
Concen: Below Cal
RT: 6.46 min Scan# 743
Delta R.T. 0.08 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion: 77 Resp: 891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 81.8 | 121.8# |
| 106 | 0.0 | 77.3 | 117.3# |



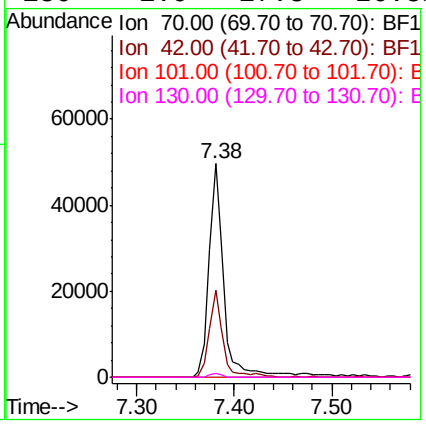


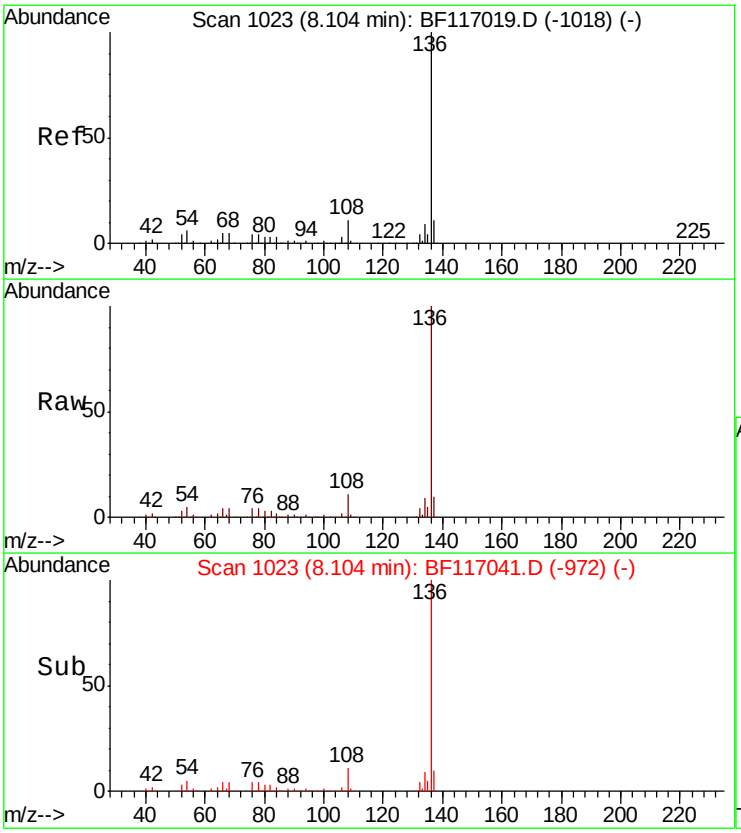

#19
n-Nitroso-di-n-propylamine
Concen: 14.849 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion: 70 Resp: 53122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.8 | 34.0 | 51.0 |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 1.9 | 17.8 | 26.8# |

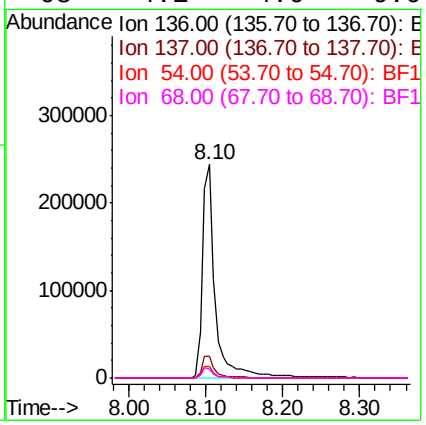


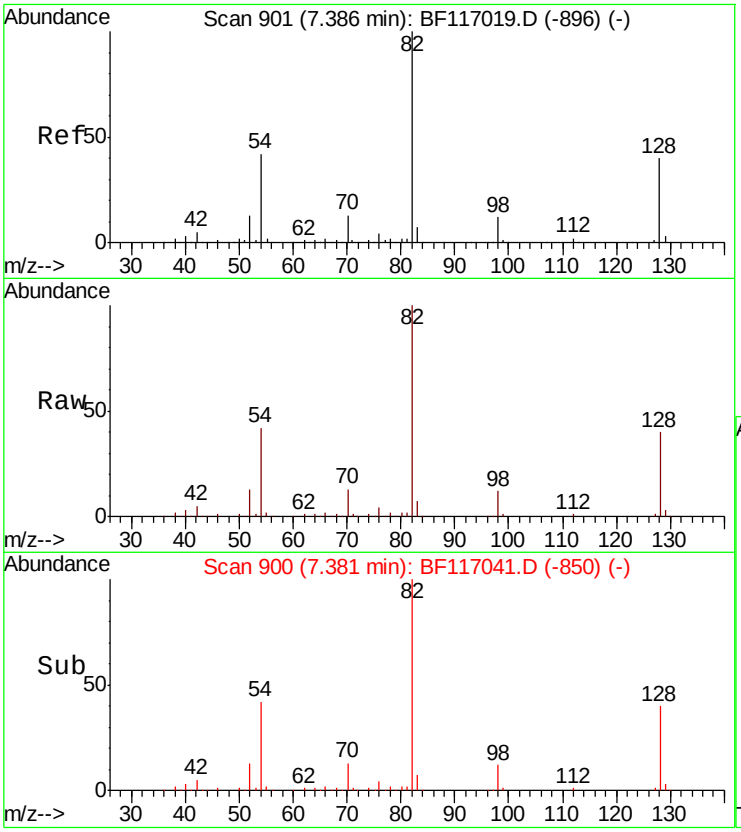




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:136 Resp: 284594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.0 | 13.4 |
| 54 | 5.2 | 4.5 | 6.7 |
| 68 | 4.1 | 4.0 | 6.0 |



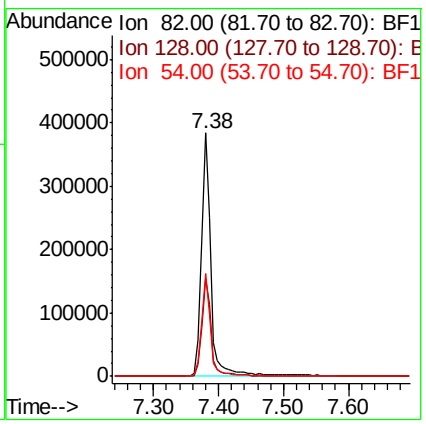


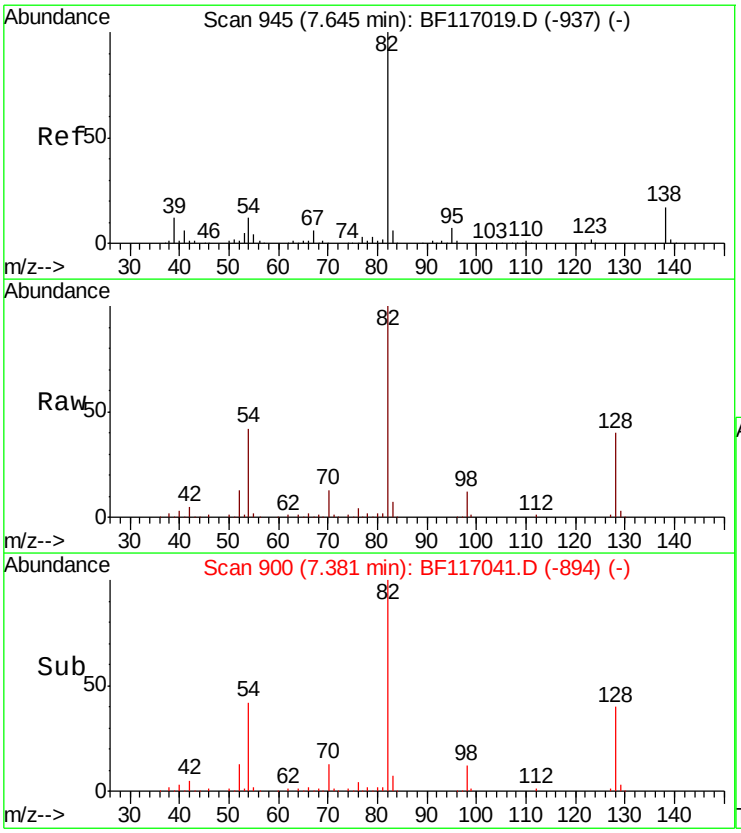

#23
Nitrobenzene-d5
Concen: 72.892 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion: 82 Resp: 394814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.0 | 32.3 | 48.5 |
| 54 | 42.1 | 33.3 | 49.9 |

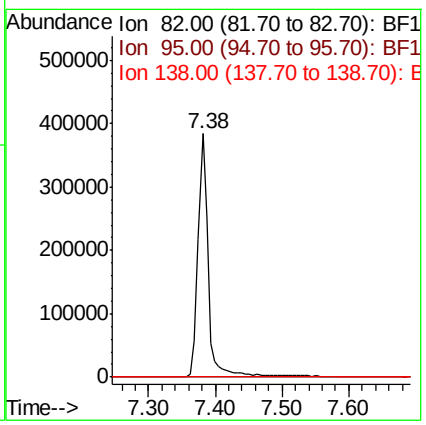


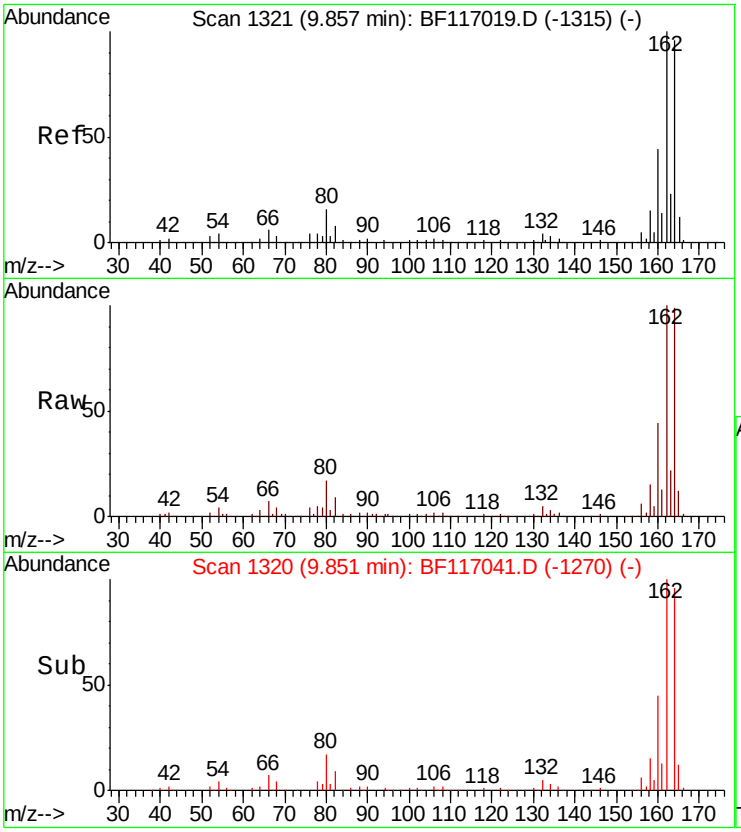




#25
Isophorone
Concen: 41.168 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion: 82 Resp: 394811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.8 | 8.6# |
| 138 | 0.0 | 13.5 | 20.3# |



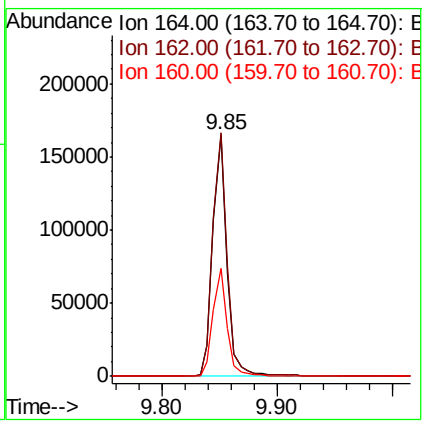


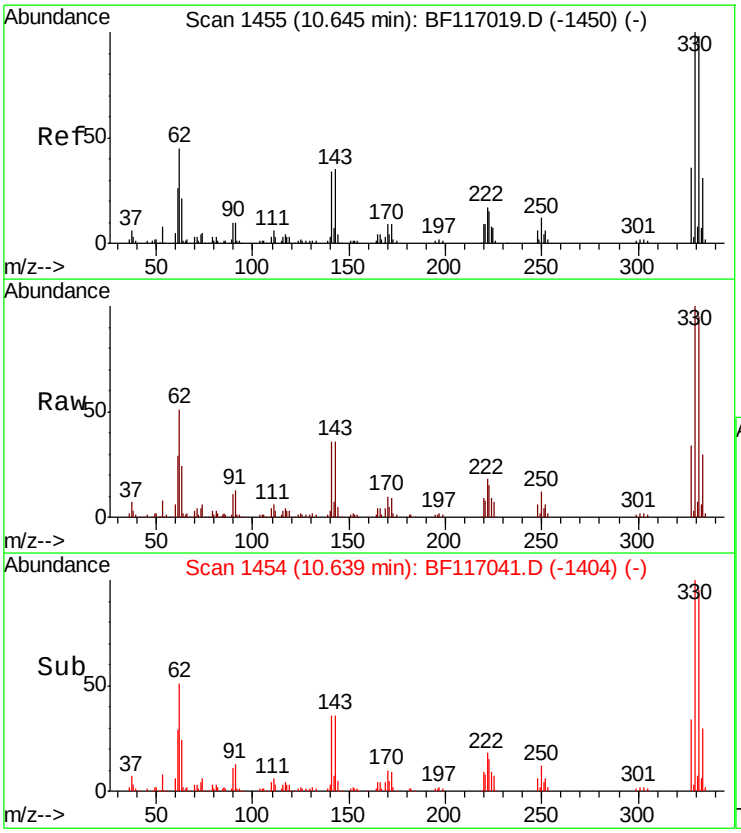

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:164 Resp: 142213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 83.4 | 125.2 |
| 160 | 44.6 | 36.4 | 54.6 |

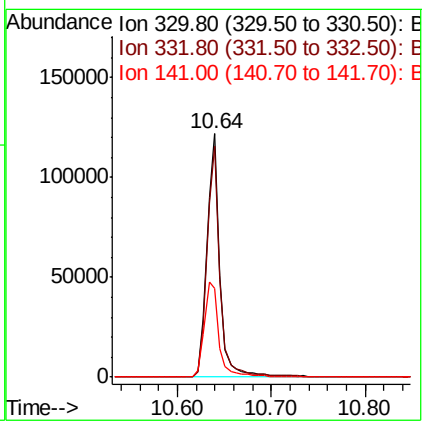


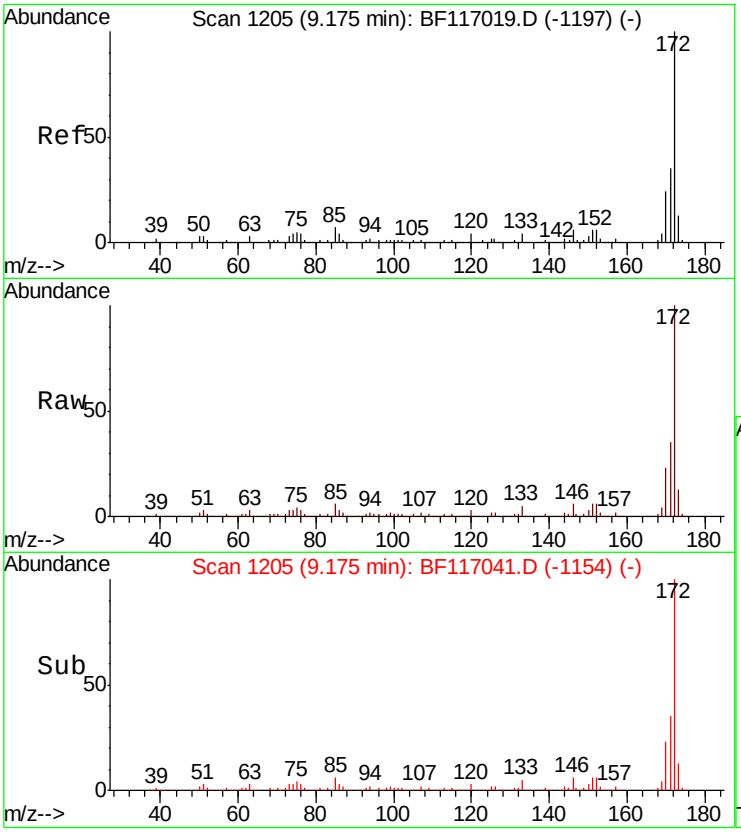




#42
2,4,6-Tribromophenol
Concen: 99.899 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:330 Resp: 118738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 78.0 | 117.0 |
| 141 | 43.9 | 35.8 | 53.6 |



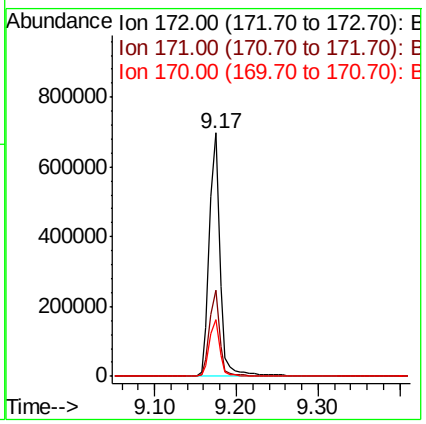


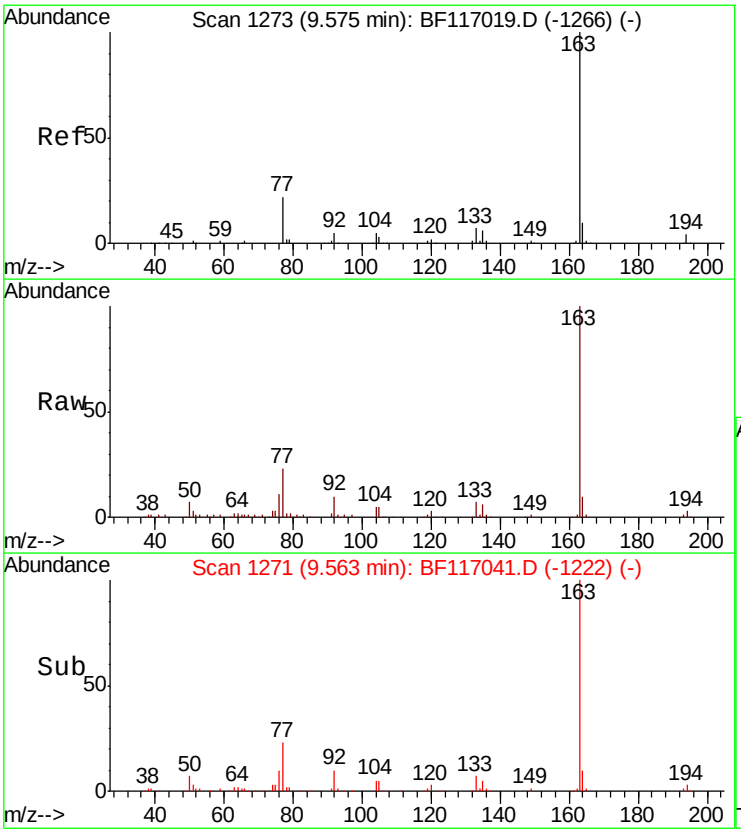

#45
2-Fluorobiphenyl
Concen: 70.007 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:172 Resp: 636741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.2 |
| 170 | 23.2 | 18.9 | 28.3 |

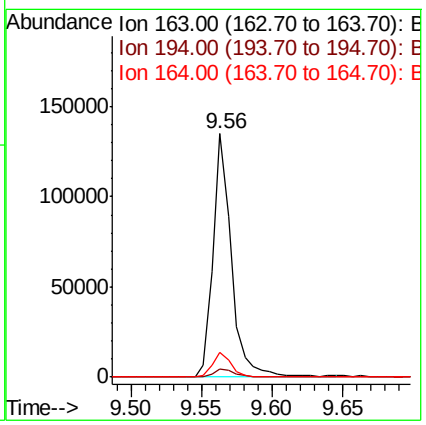


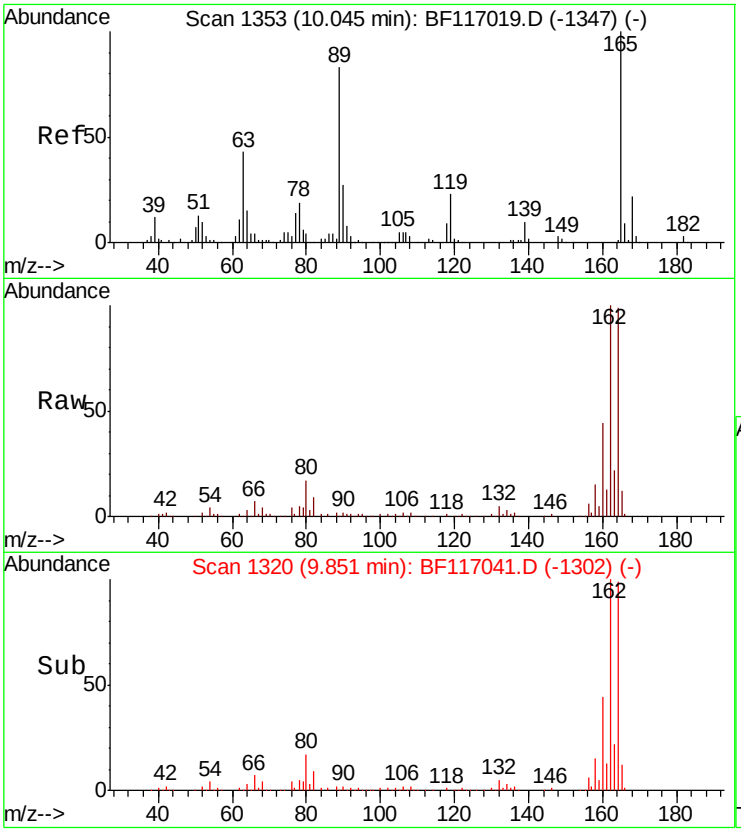




#50
Dimethylphthalate
Concen: 12.212 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:163 Resp: 122968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.9 | 4.3 |
| 164 | 10.2 | 8.2 | 12.4 |



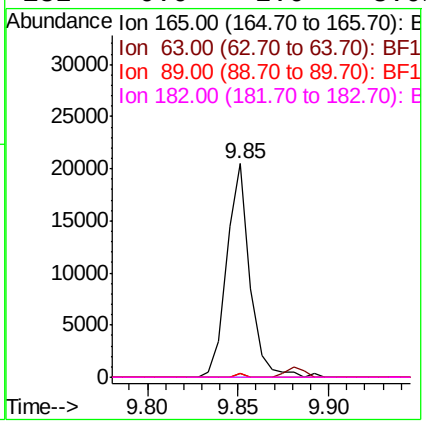


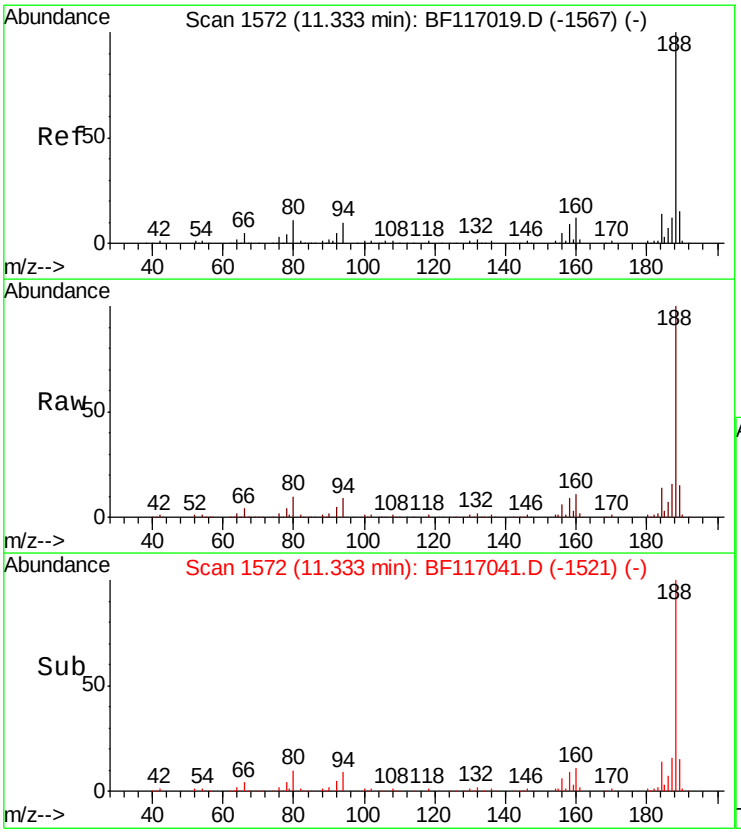

#57
2,4-Dinitrotoluene
Concen: 6.837 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:165 Resp: 18201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.7 | 35.0 | 52.4# |
| 89 | 1.9 | 66.1 | 99.1# |
| 182 | 0.0 | 2.0 | 3.0# |

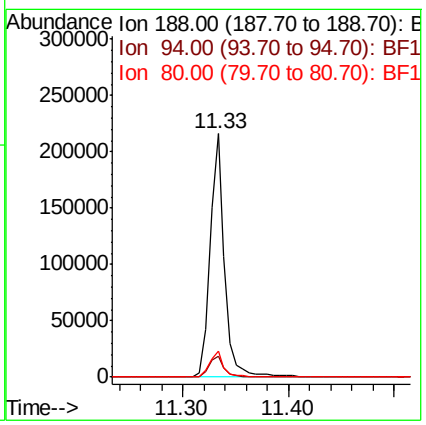


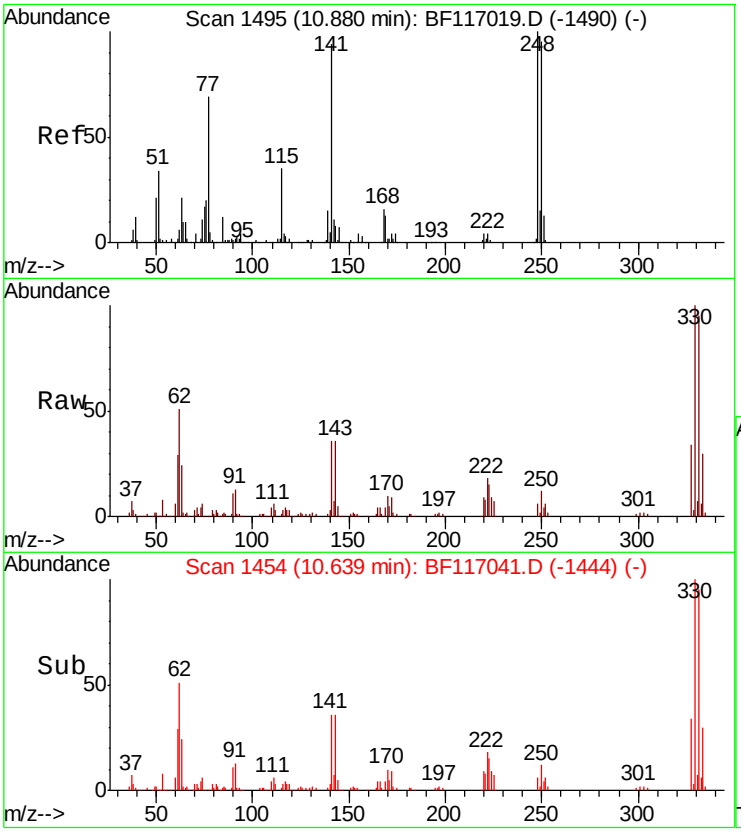




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:188 Resp: 207815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 8.2 | 12.2 |
| 80 | 10.5 | 9.0 | 13.6 |



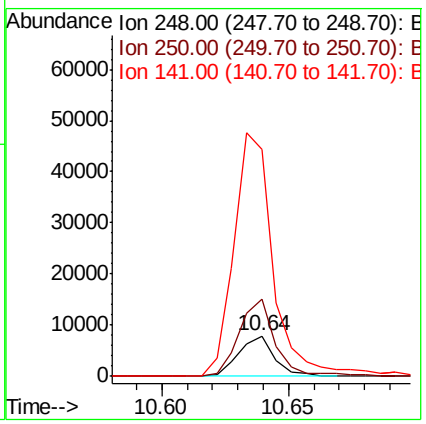


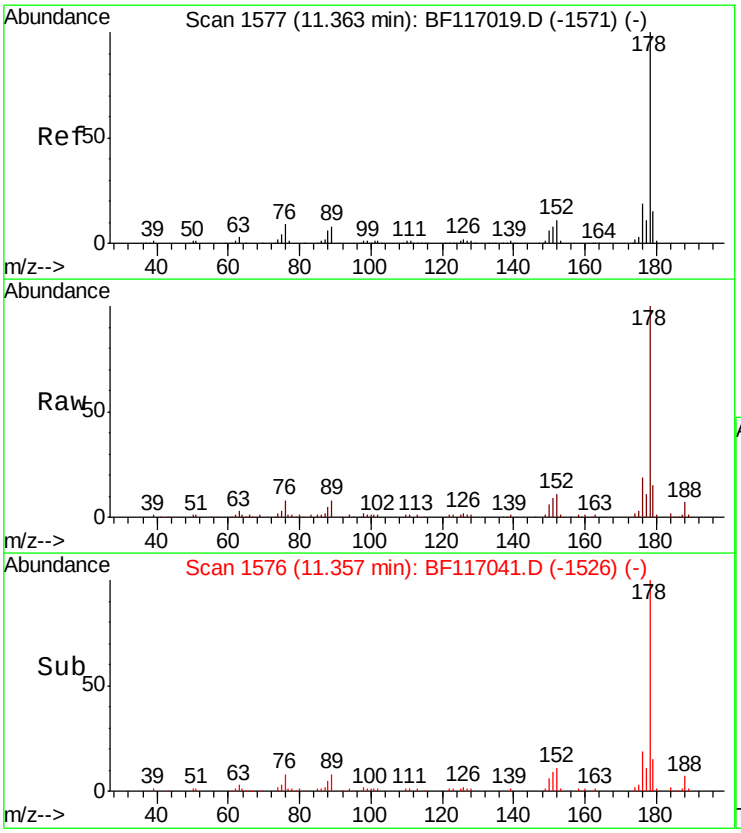

#67
4-Bromophenyl-phenylether
Concen: 3.634 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:248 Resp: 7712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.3 | 76.2 | 114.4# |
| 141 | 560.0 | 75.0 | 112.4# |

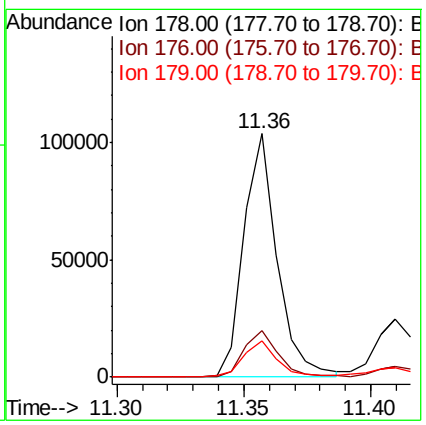


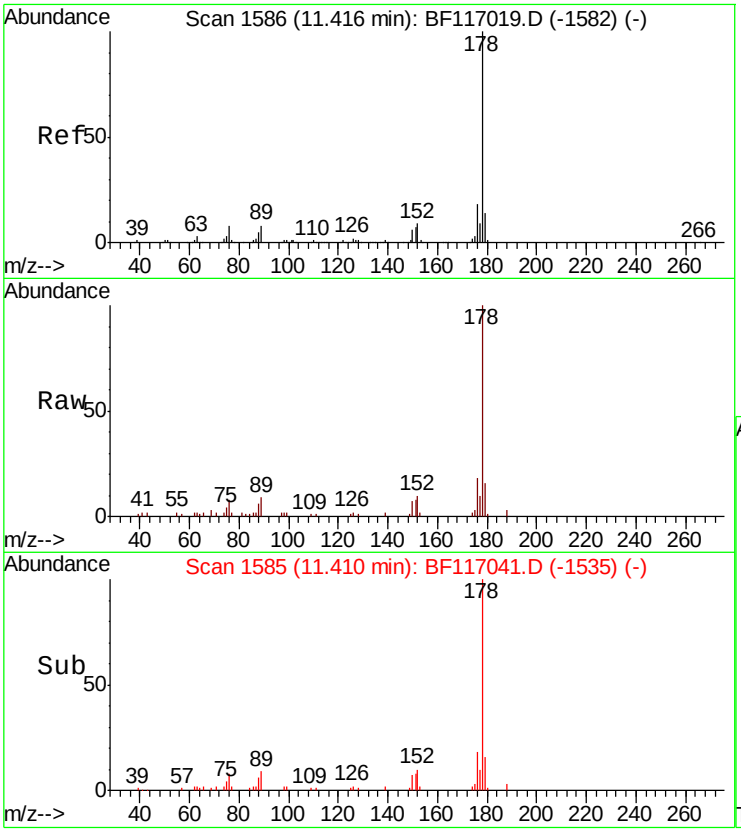




#71
Phenanthrene
Concen: 8.064 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:178 Resp: 95185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 15.0 | 12.4 | 18.6 |



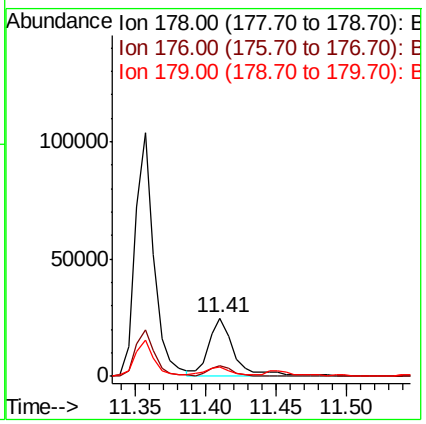


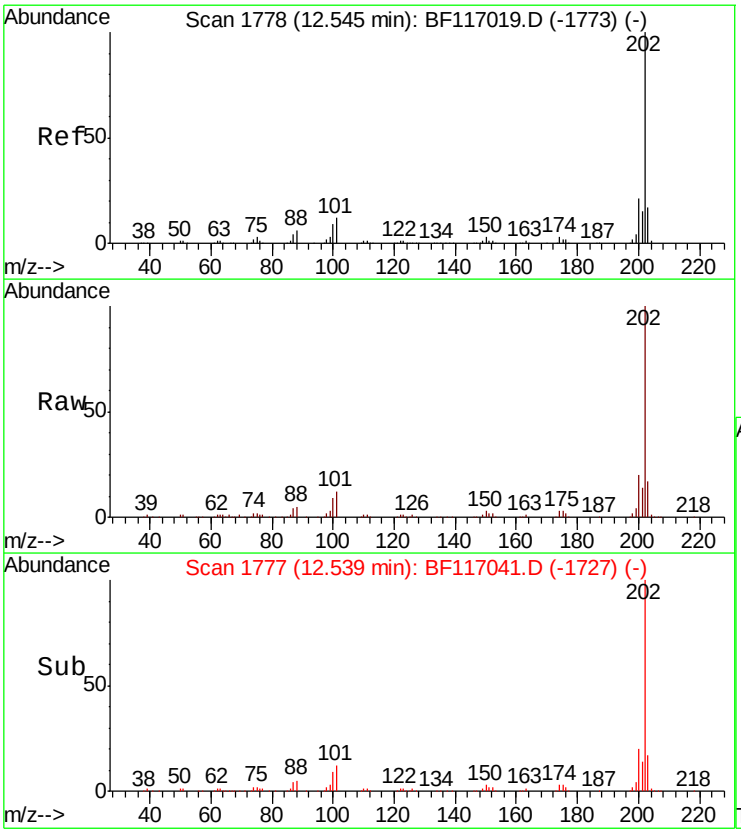

#72
Anthracene
Concen: 2.505 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:178 Resp: 30188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 14.6 | 21.8 |
| 179 | 16.3 | 11.6 | 17.4 |

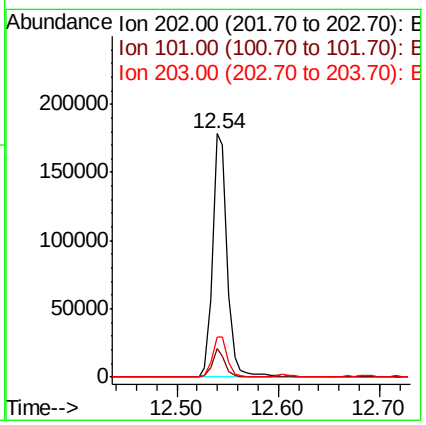


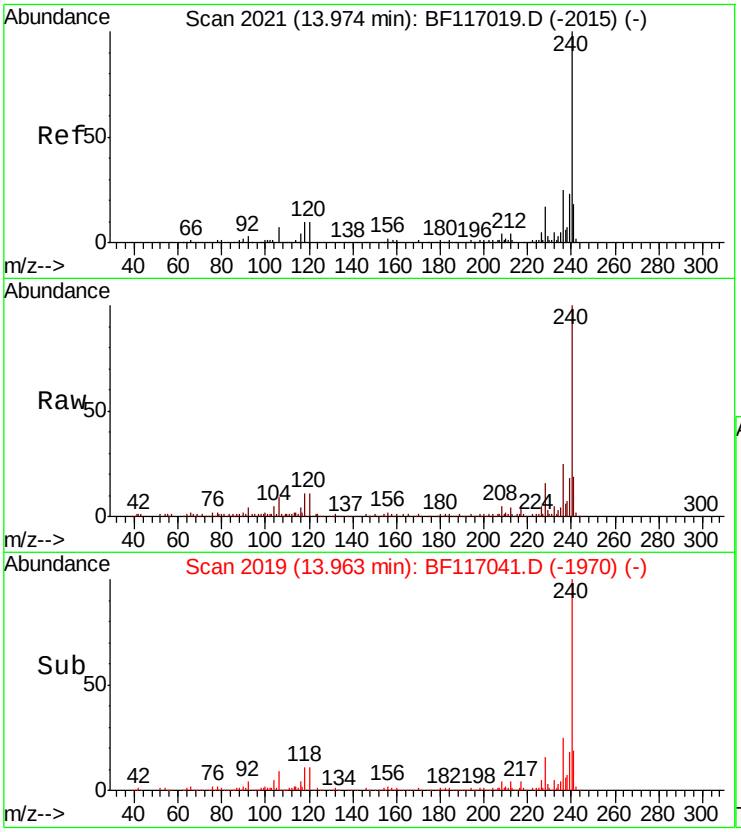




#75
Fluoranthene
Concen: 14.765 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:202 Resp: 179080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 0.0 | 32.3 |
| 203 | 16.6 | 0.0 | 37.1 |



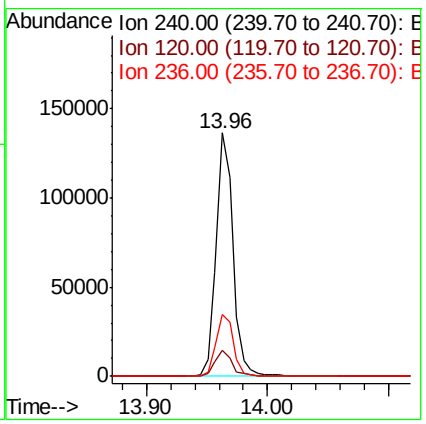


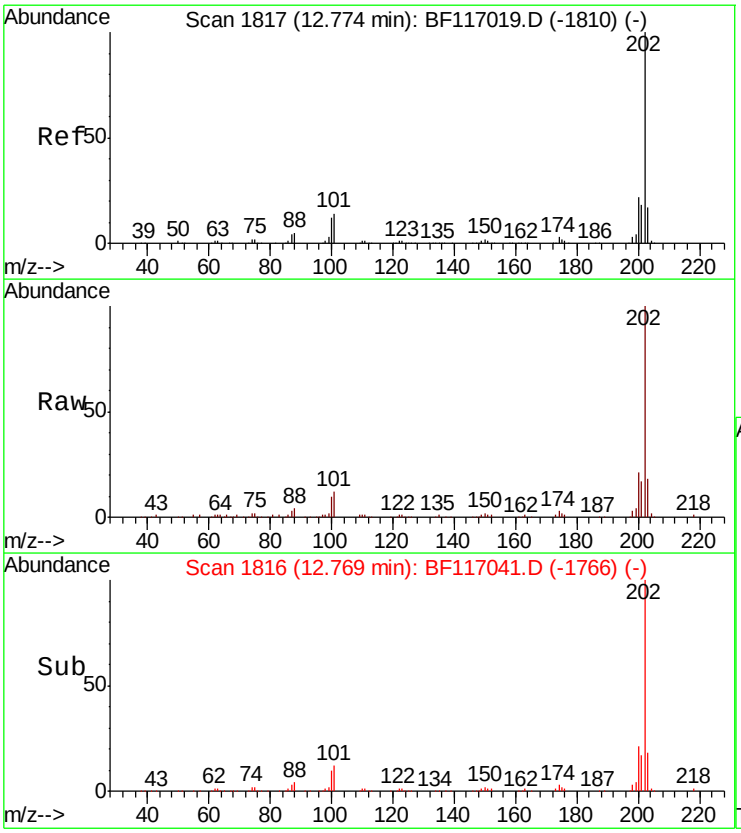

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:240 Resp: 130120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 8.3 | 12.5 |
| 236 | 25.2 | 20.3 | 30.5 |

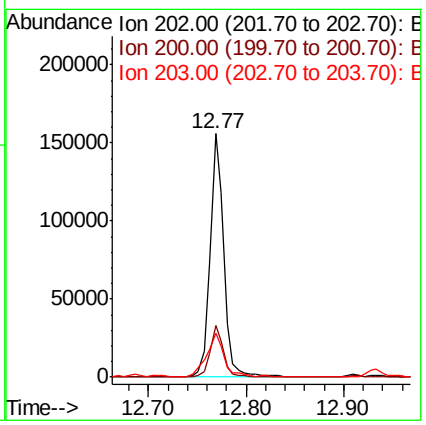


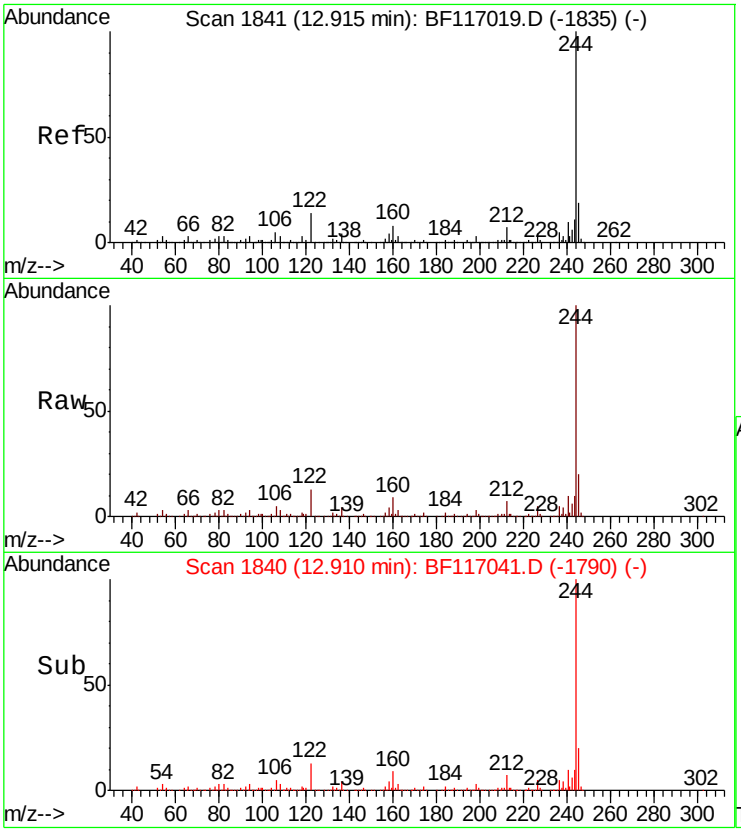




#78
Pyrene
Concen: 13.838 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:202 Resp: 151087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.2 | 25.8 |
| 203 | 18.0 | 14.0 | 21.0 |



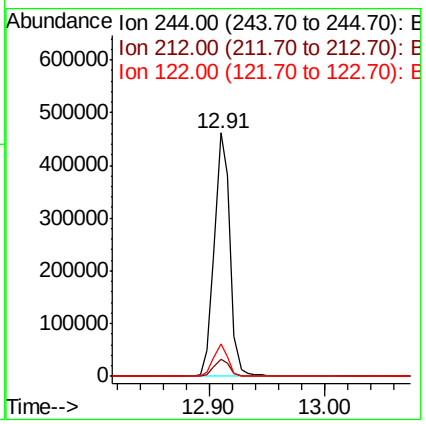


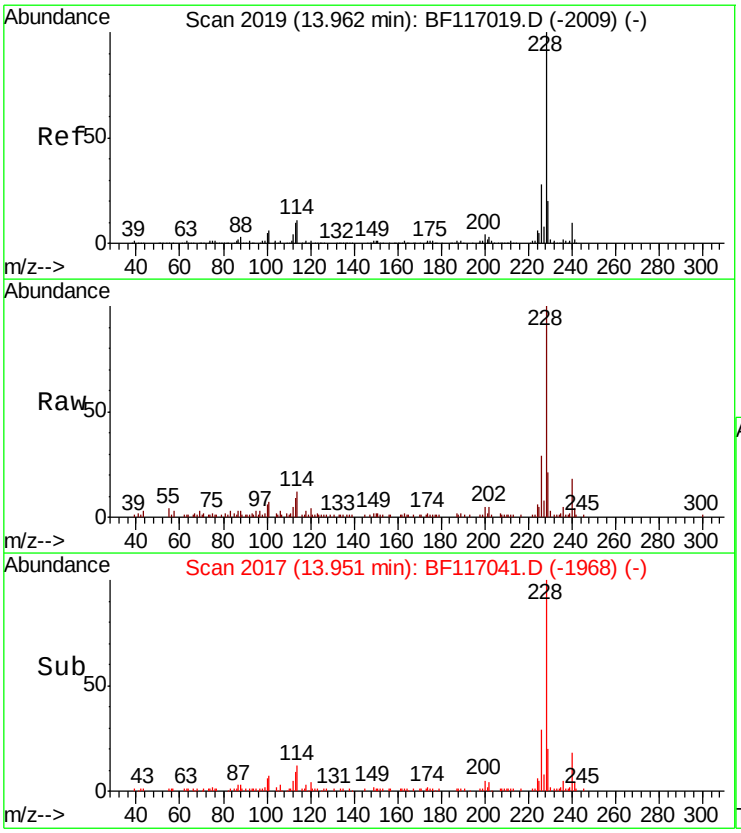

#79
Terphenyl-d14
Concen: 62.245 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:244 Resp: 433296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.8 | 8.8 |
| 122 | 13.4 | 11.3 | 16.9 |

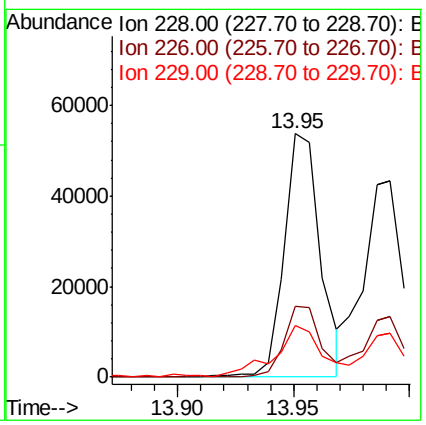


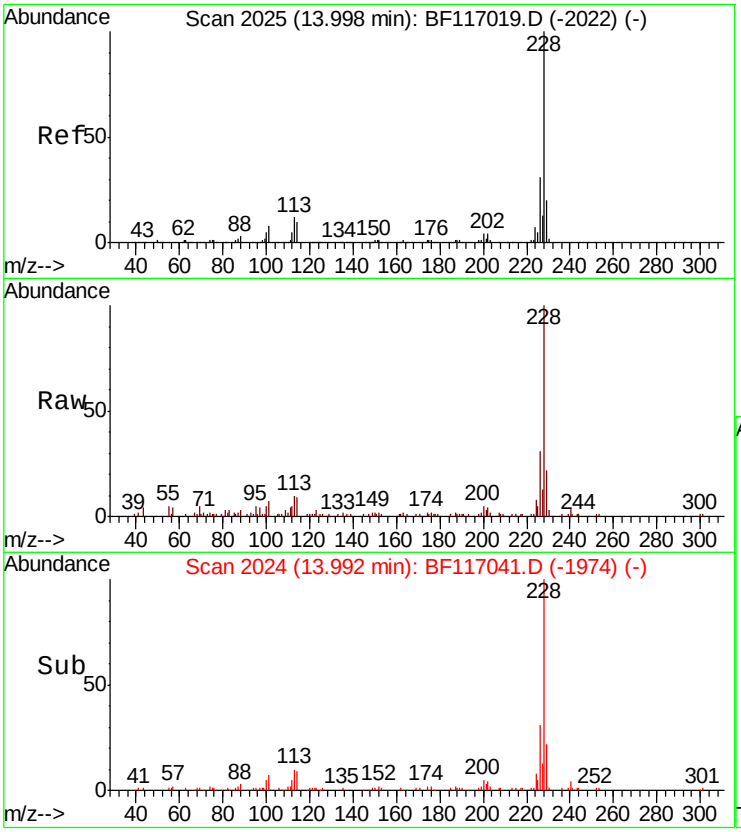




#81
Benzo(a)anthracene
Concen: 6.695 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:228 Resp: 58203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.3 | 33.5 |
| 229 | 20.9 | 15.9 | 23.9 |



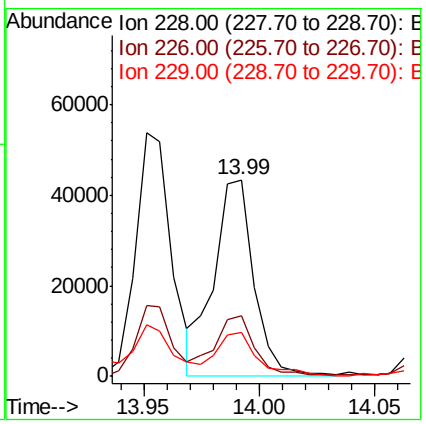


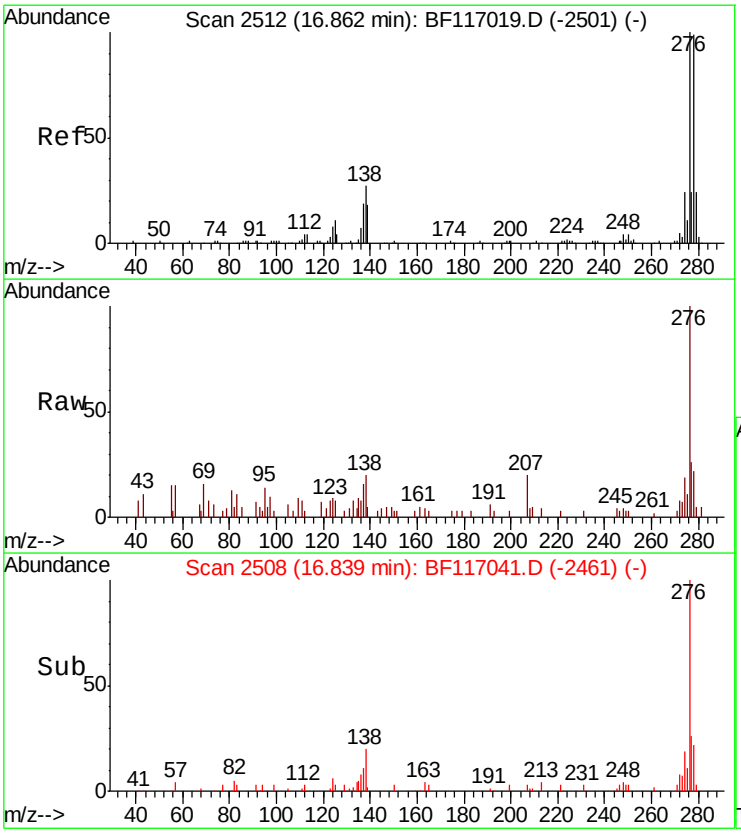

#83
Chrysene
Concen: 6.226 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:228 Resp: 52787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.8 | 37.2 |
| 229 | 22.4 | 15.8 | 23.8 |

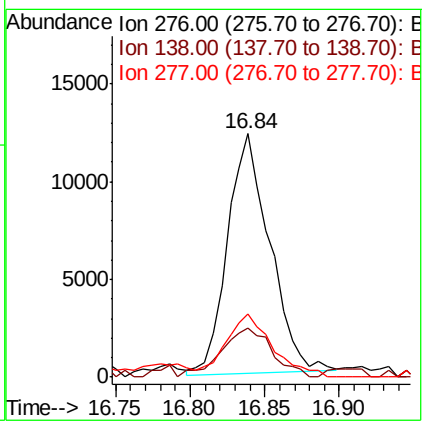


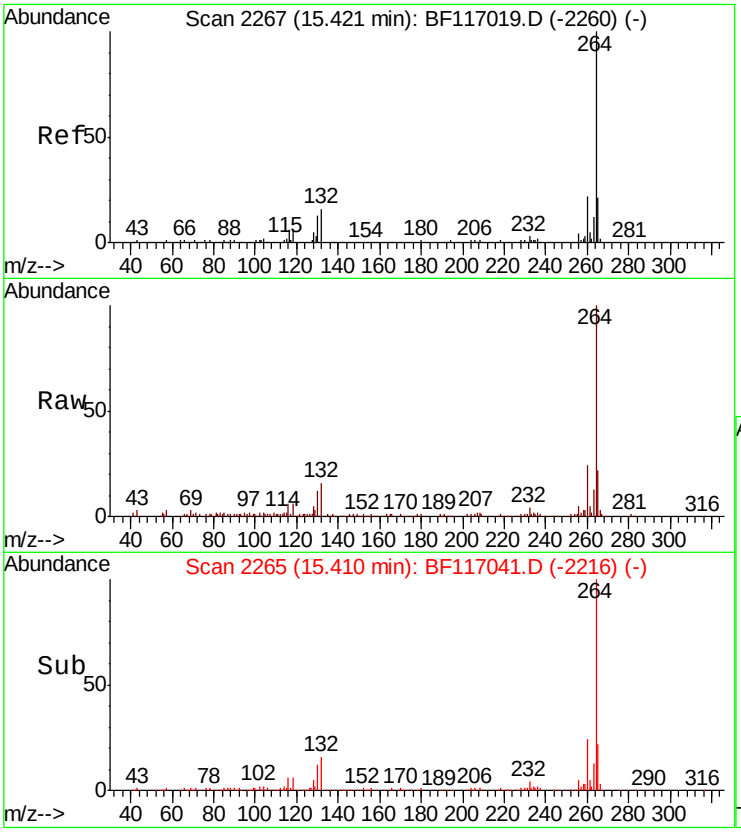




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.892 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:276 Resp: 24077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.8 | 20.7 | 31.1 |
| 277 | 29.1 | 19.8 | 29.8 |



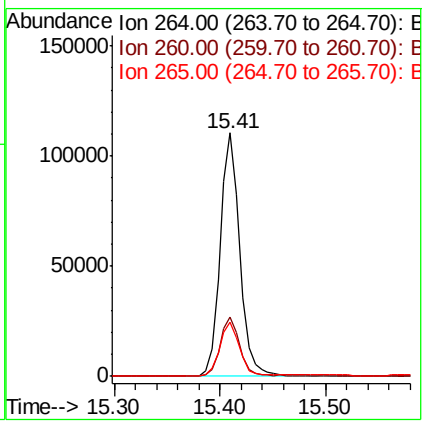


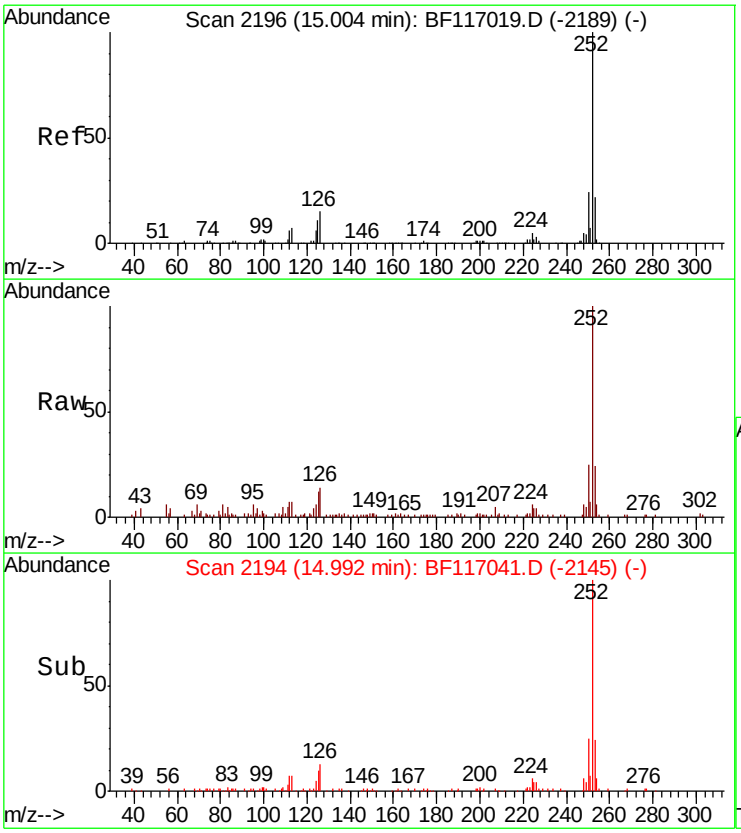

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:264 Resp: 143366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 17.6 | 26.4 |
| 265 | 22.5 | 16.6 | 24.8 |

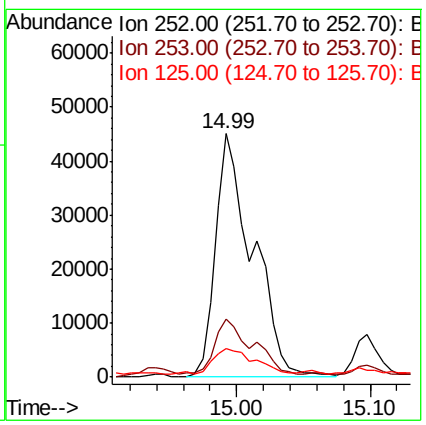


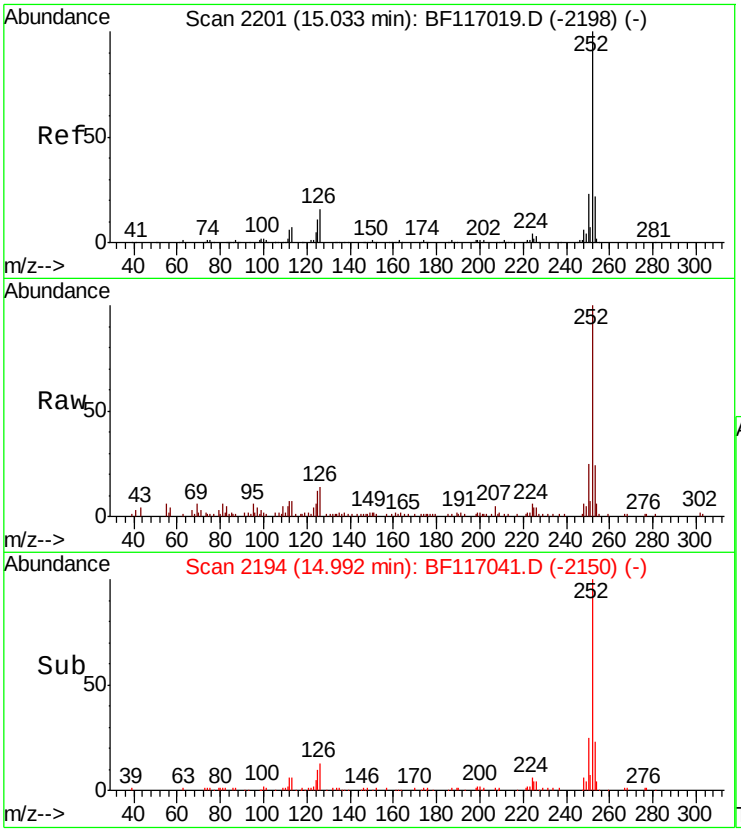




#88
Benzo(b)fluoranthene
Concen: 10.107 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:252 Resp: 87774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.6 | 26.4 |
| 125 | 11.5 | 8.6 | 12.8 |



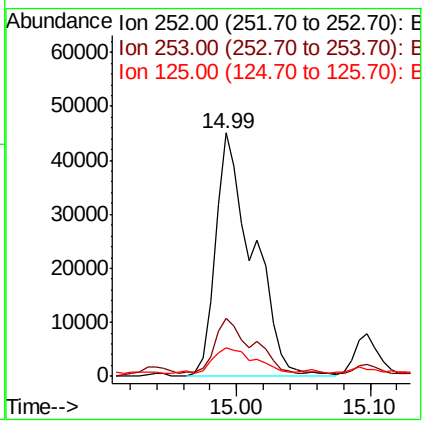


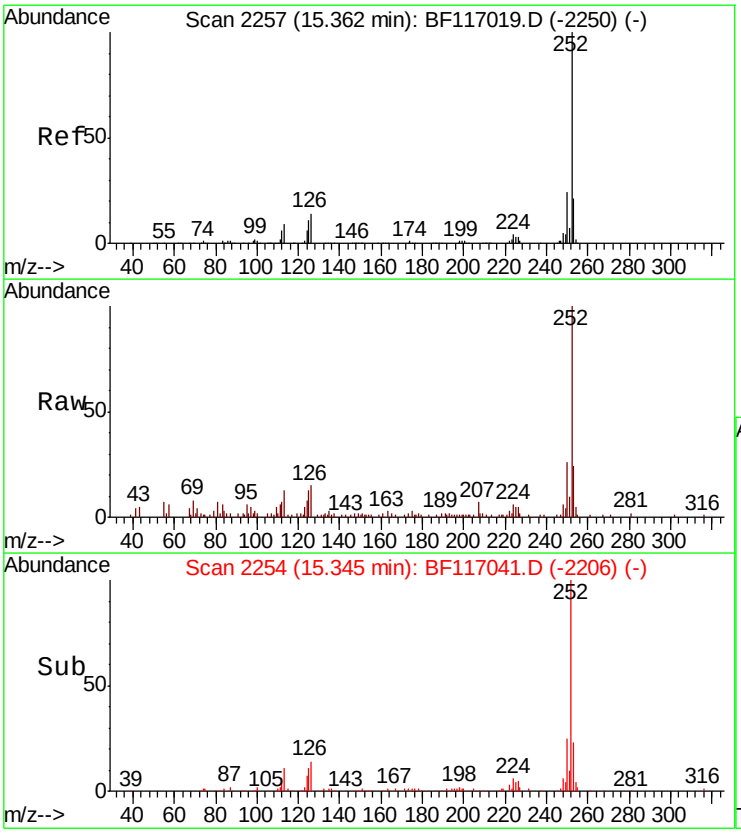

#89
Benzo(k)fluoranthene
Concen: 10.670 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:252 Resp: 87774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.4 | 26.2 |
| 125 | 11.5 | 8.8 | 13.2 |

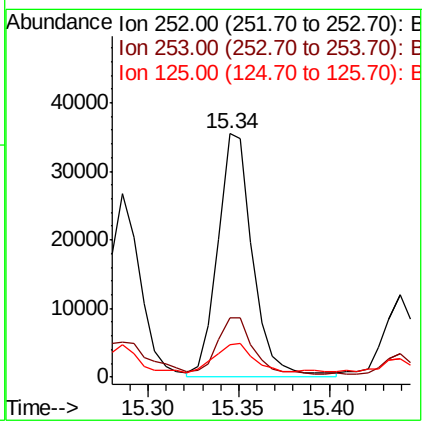


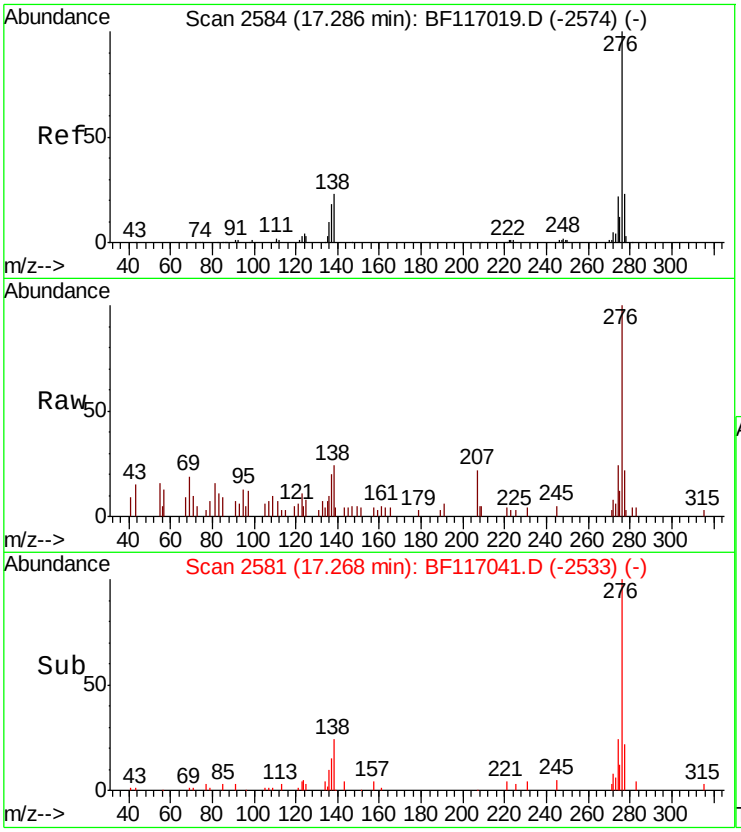




#90
Benzo(a)pyrene
Concen: 6.275 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:252 Resp: 47819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 16.6 | 25.0 |
| 125 | 13.4 | 8.9 | 13.3# |






#92
Benzo(g,h,i)perylene
Concen: 3.938 ng
RT: 17.27 min Scan# 2581
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

**Instrument :**
BNA_F
**ClientSampleId :**
P66-LINDEN-GEN-SP

Tgt Ion:276 Resp: 23825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 21.6 | 18.6 | 27.8 |
| 138 | 24.5 | 18.0 | 27.0 |