Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
Sample : I6822-14 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 13 00:43:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 40169 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 146913 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 60687 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 112388 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 103288 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.49 | 264 | 86625 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 4053 | 1.67 | ng | | 0.02 |
| 7) Phenol-d6 | 6.47 | 99 | 5304 | 1.80 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 2872 | 1.17 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 1060 | 1.45 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 5700 | 1.29 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 5500 | 1.16 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 50) 2,6-Dinitrotoluene | 9.86 | 165 | 7823 | 7.589 | ng | # | 24 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 7823 | 5.663 | ng | # | 21 |
| 70) Phenanthrene | 11.38 | 178 | 41861 | 6.764 | ng | | 98 |
| 71) Anthracene | 11.43 | 178 | 15938 | 2.544 | ng | | 97 |
| 74) Fluoranthene | 12.57 | 202 | 84315 | 12.290 | ng | | 92 |
| 77) Pyrene | 12.80 | 202 | 86979 | 12.204 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 91938 | 14.098 | ng | | 97 |
| 82) Chrysene | 14.03 | 228 | 75267 | 12.427 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 78063 | 14.498 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 179201 | 34.537 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 179201 | 35.055 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.42 | 252 | 118129 | 25.043 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.97 | 278 | 23244 | 5.589 | ng | # | 88 |
| 91) Benzo(g,h,i)perylene | 17.43 | 276 | 71630 | 18.277 | ng | # | 92 |

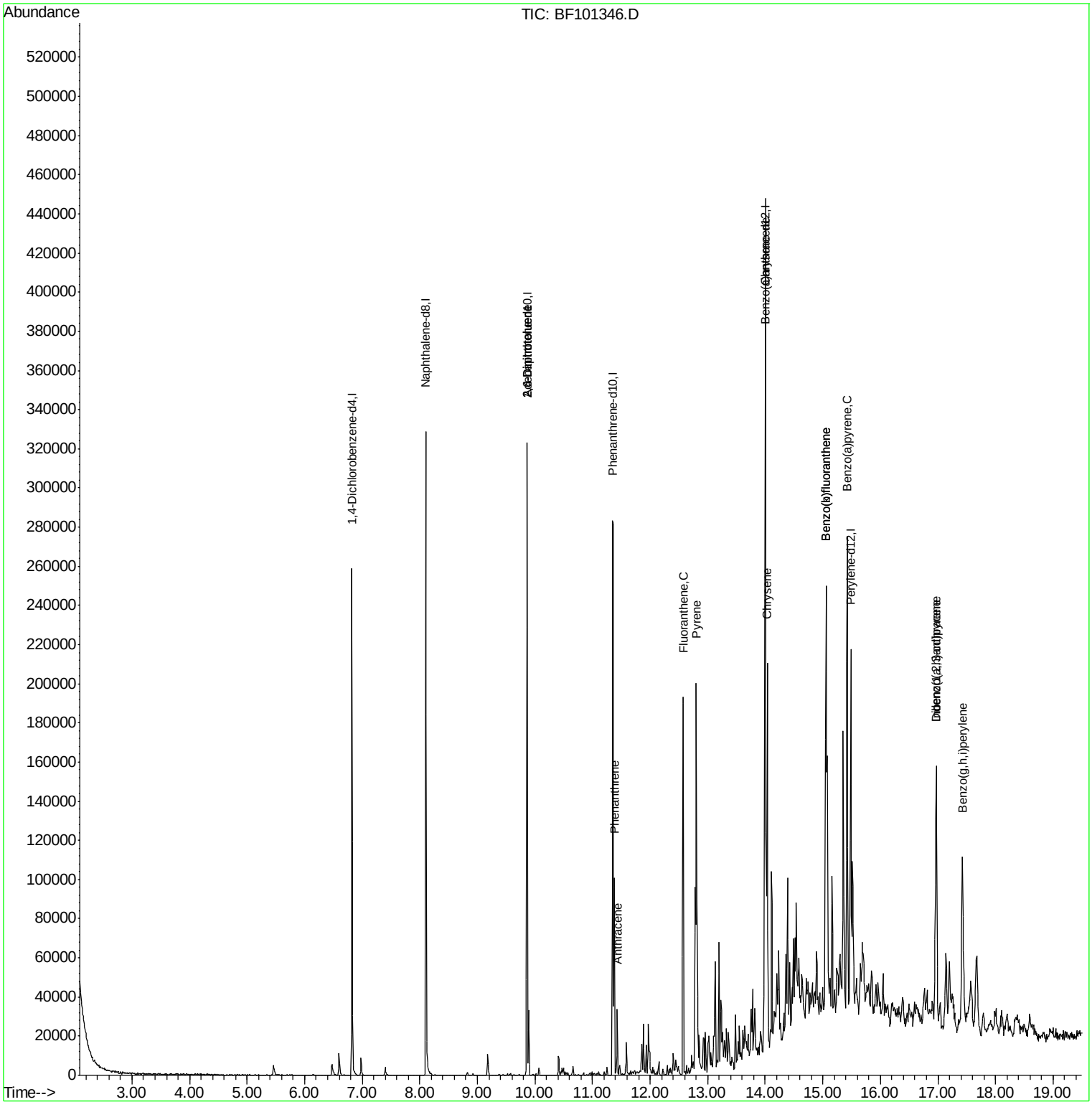
(#) = qualifier out of range (m) = manual integration (+) = signals summed

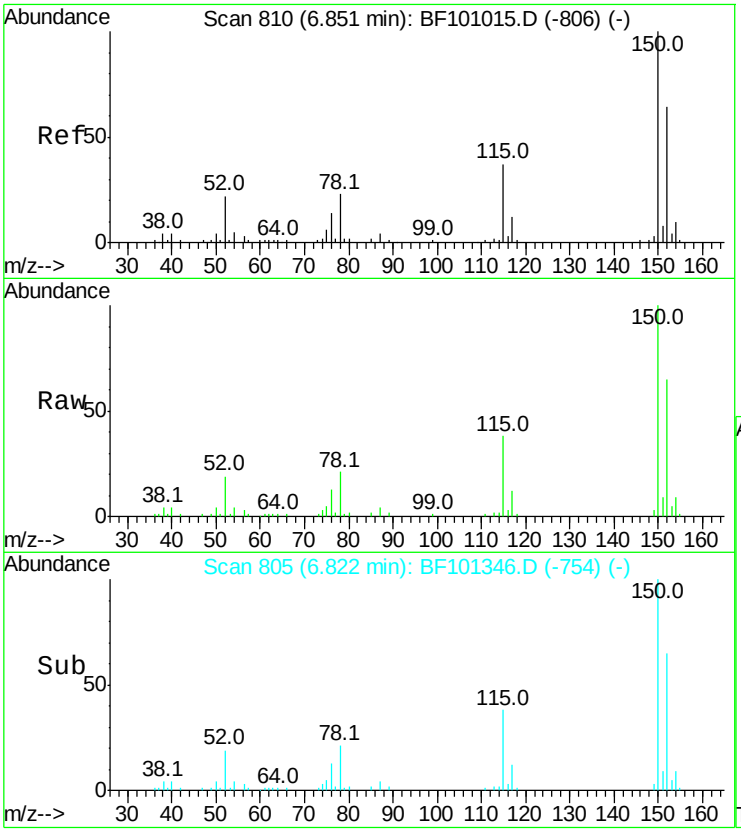
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
Sample : I6822-14 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 13 00:43:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration



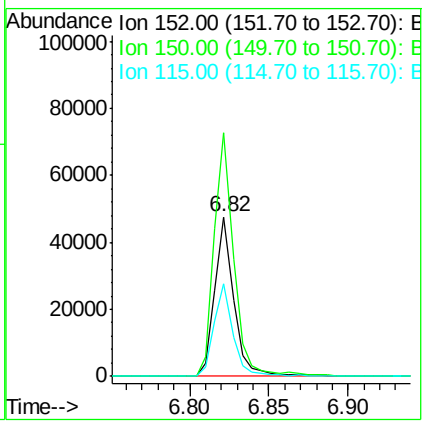


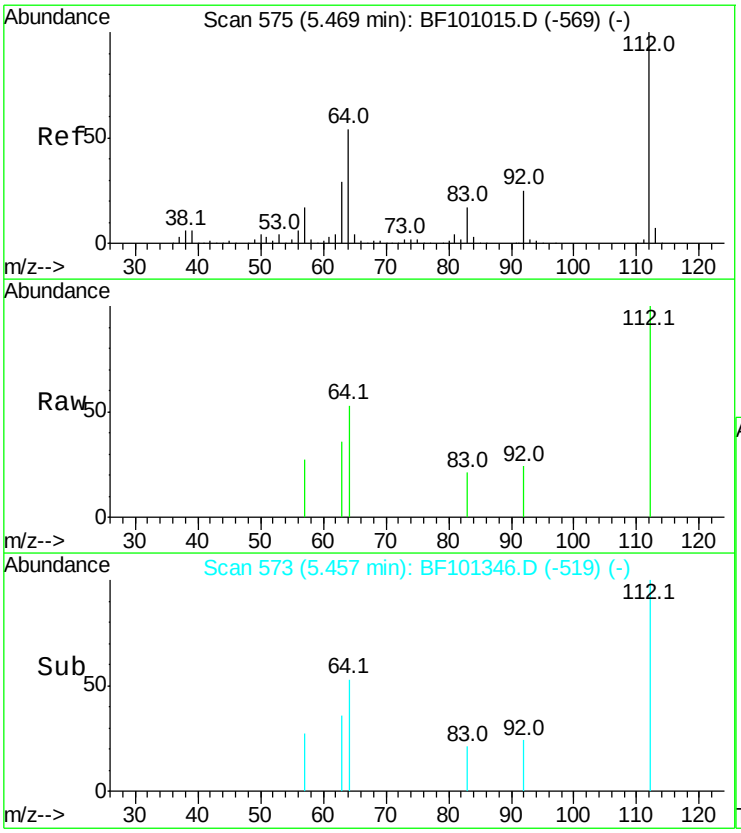

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:152 Resp: 40169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.8 | 124.6 | 186.8 |
| 115 | 58.0 | 50.1 | 75.1 |

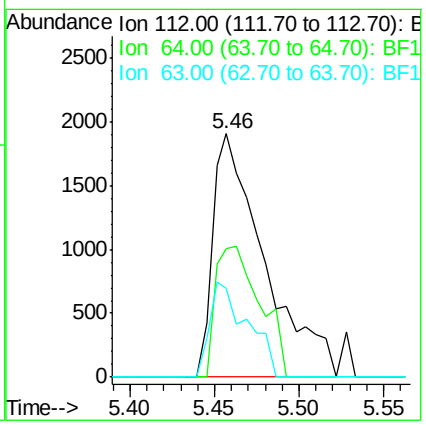


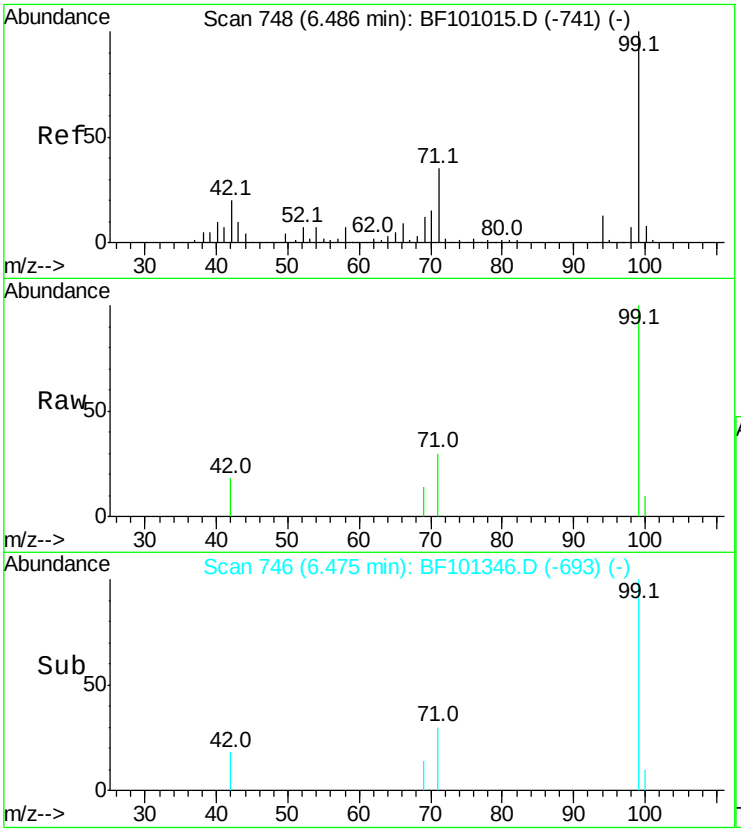




#5
2-Fluorophenol
Concen: 1.667 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:112 Resp: 4053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.6 | 47.9 | 71.9 |
| 63 | 36.2 | 23.7 | 35.5# |



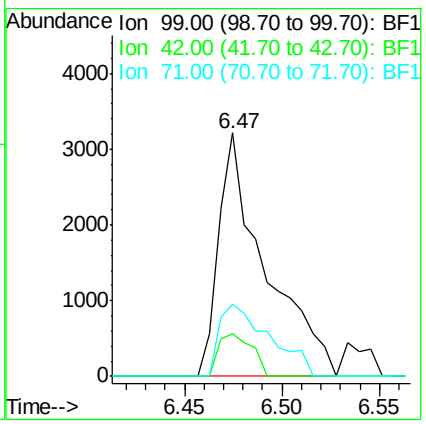


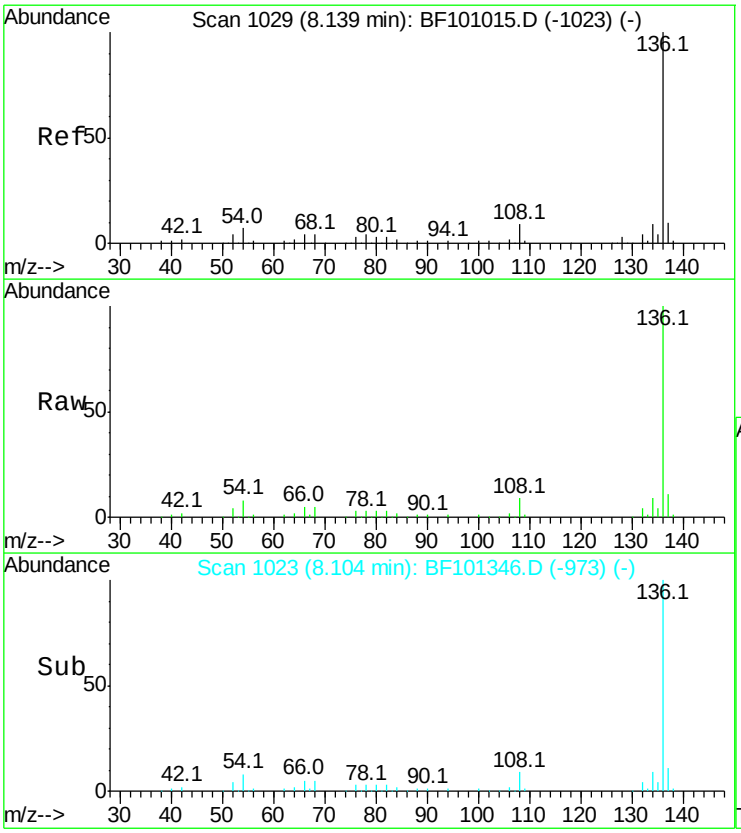

#7
Phenol-d6
Concen: 1.797 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion: 99 Resp: 5304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.7 | 14.5 | 21.7 |
| 71 | 29.5 | 25.4 | 38.0 |

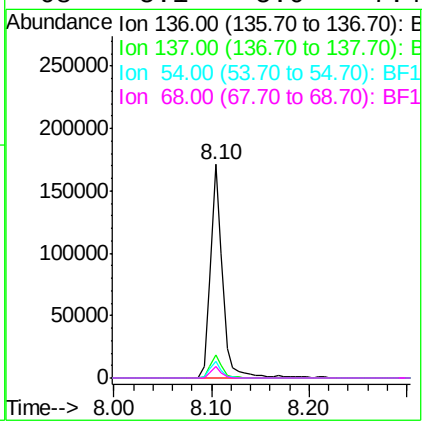


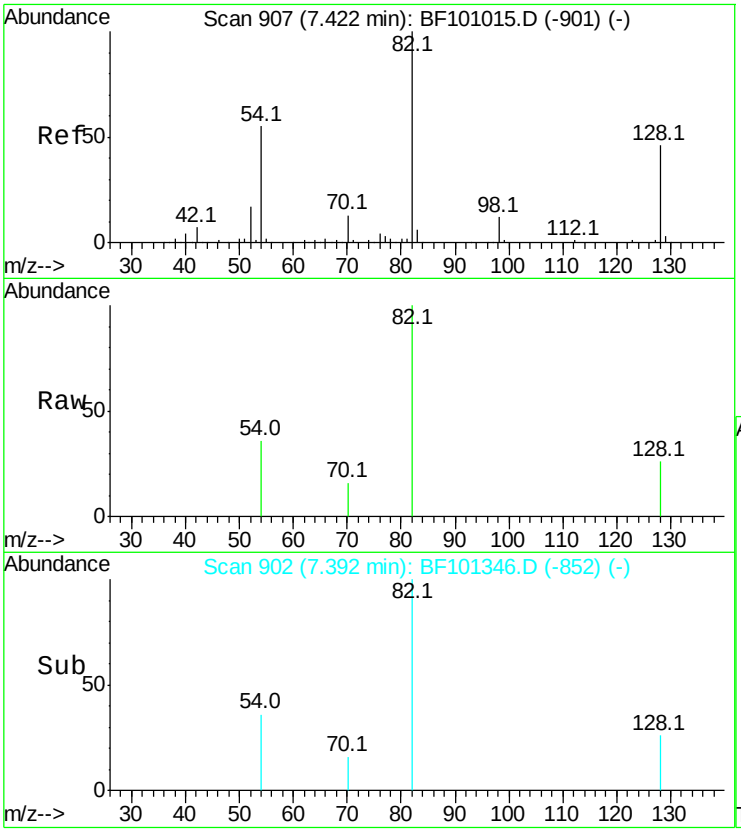




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:136 Resp: 146913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 7.6 | 6.6 | 9.8 |
| 68 | 5.1 | 5.0 | 7.4 |



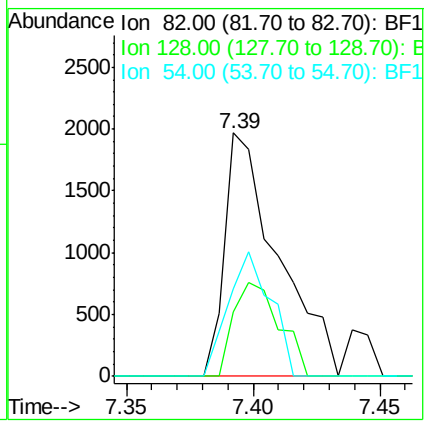


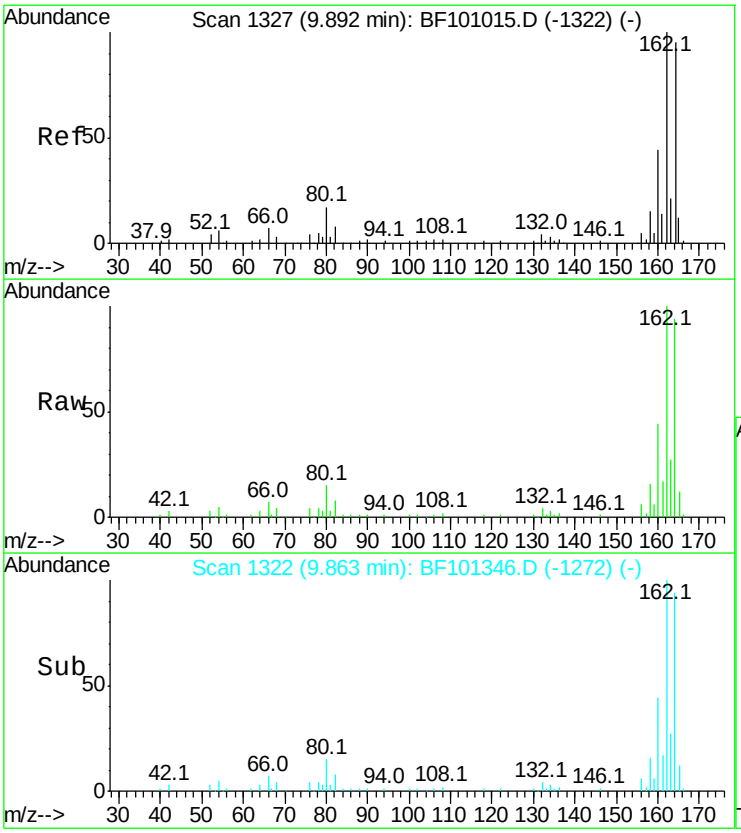

#23
Nitrobenzene-d5
Concen: 1.166 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion: 82 Resp: 2872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 26.3 | 36.1 | 54.1# |
| 54 | 35.9 | 41.4 | 62.2# |

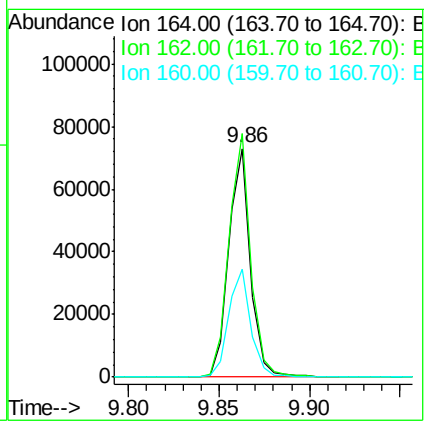


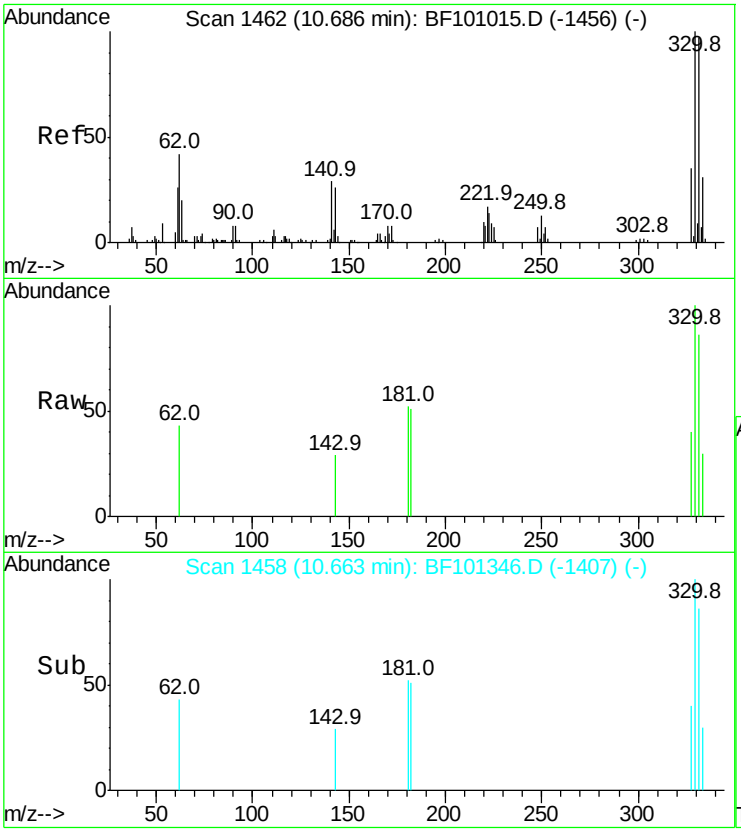




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:164 Resp: 60687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.4 | 86.1 | 129.1 |
| 160 | 47.3 | 38.3 | 57.5 |



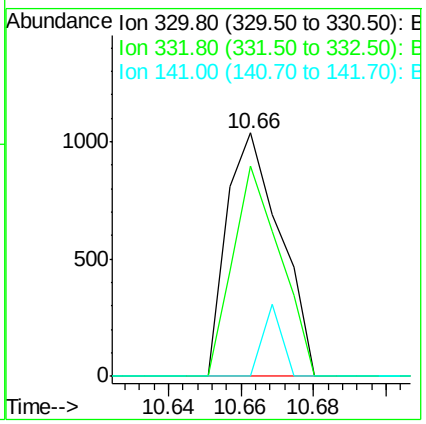


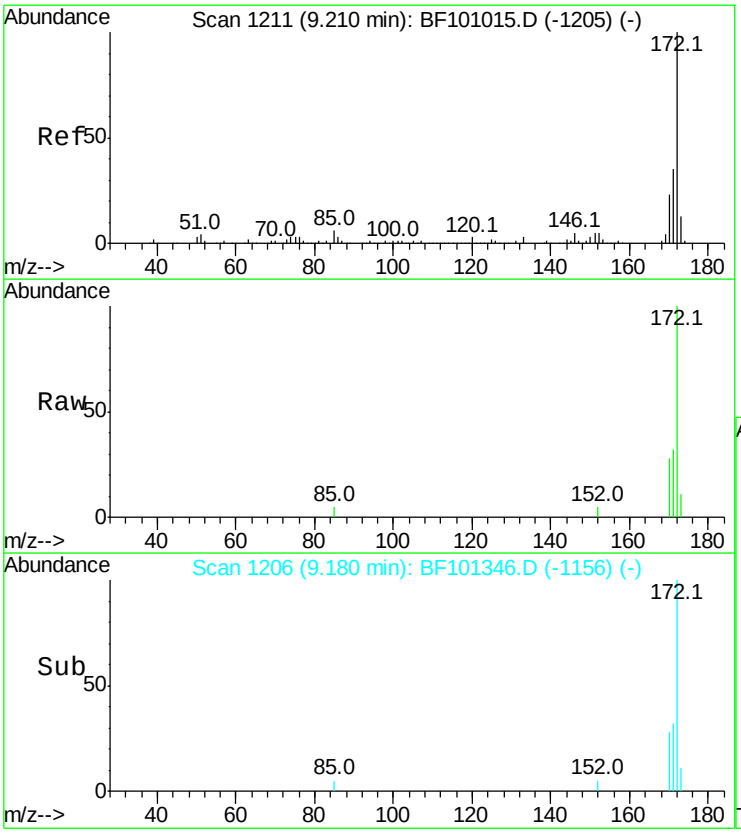

#41
2,4,6-Tribromophenol
Concen: 1.454 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:330 Resp: 1060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 76.9 | 77.0 | 115.6# |
| 141 | 10.2 | 29.9 | 44.9# |

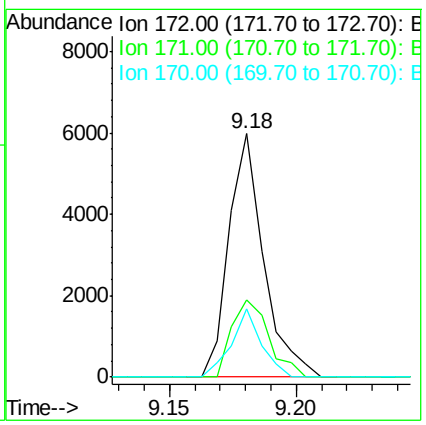


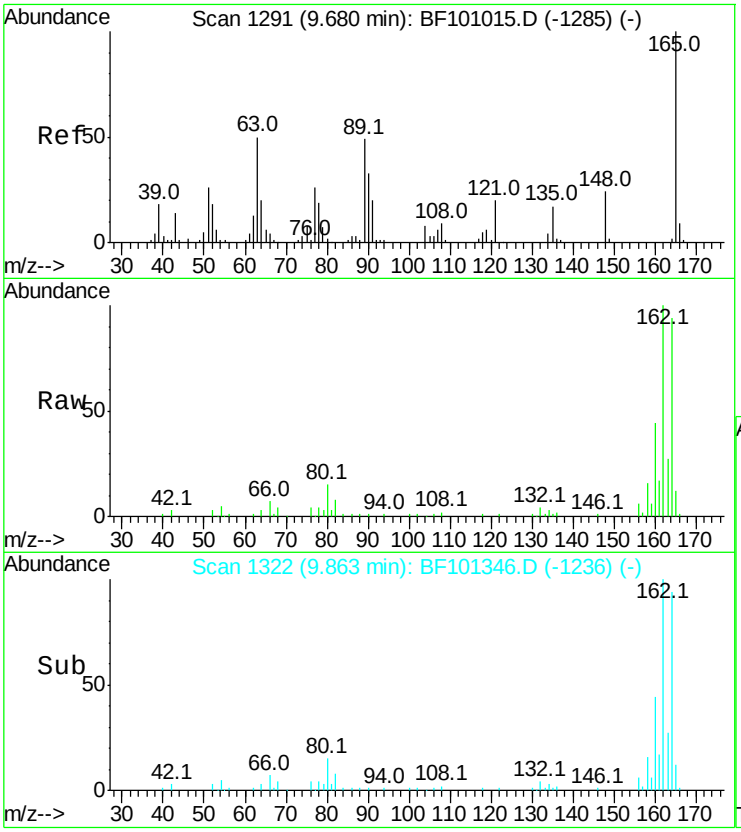




#44
2-Fluorobiphenyl
Concen: 1.285 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:172 Resp: 5700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 31.8 | 29.7 | 44.5 |
| 170 | 28.0 | 19.6 | 29.4 |



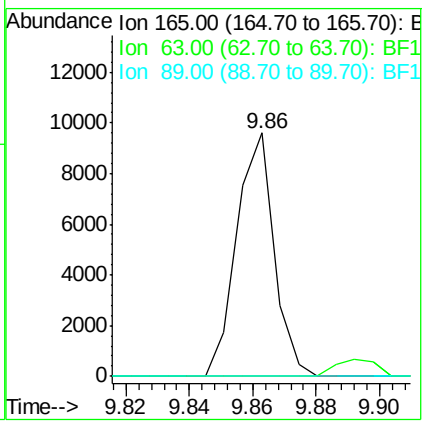


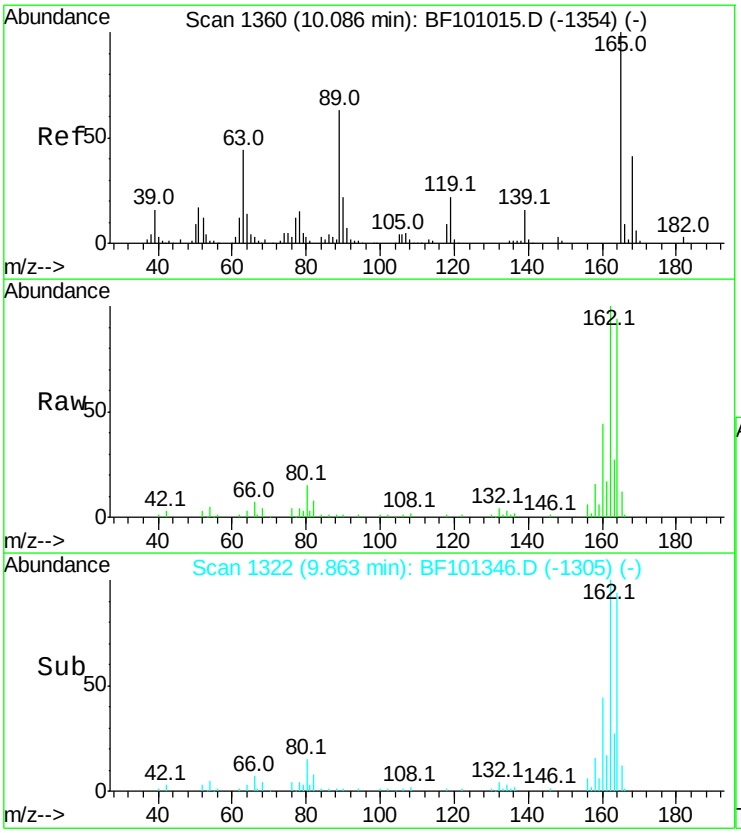

#50
2,6-Dinitrotoluene
Concen: 7.589 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:165 Resp: 7823

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

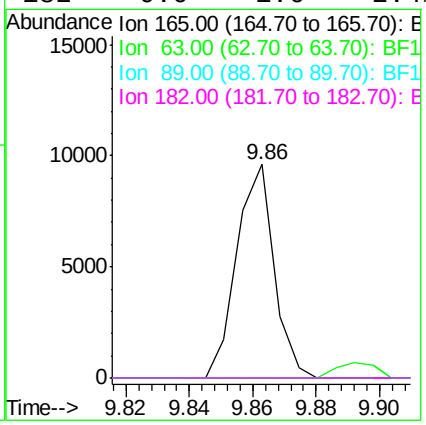


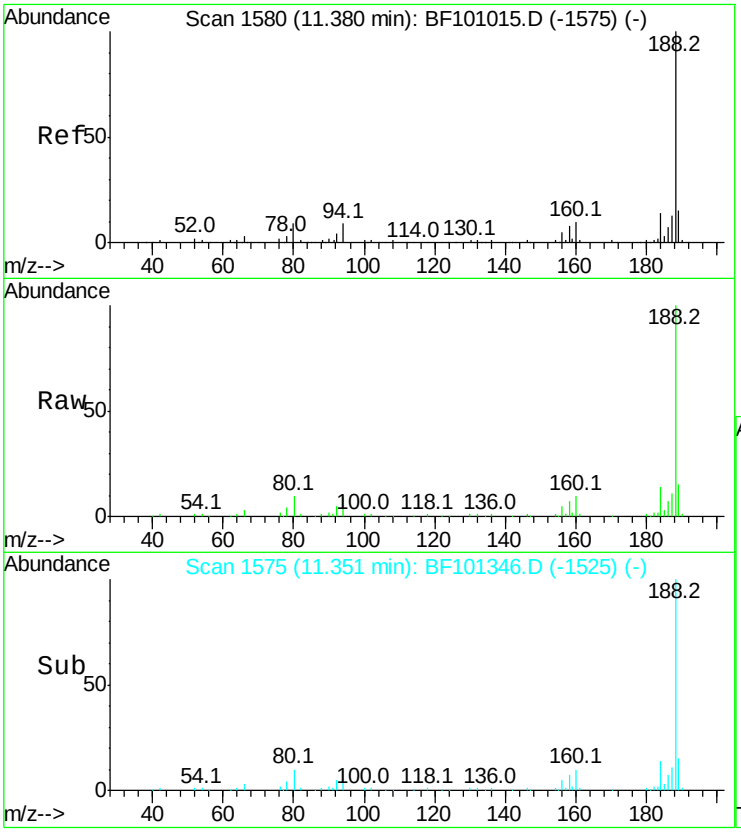




#56
2,4-Dinitrotoluene
Concen: 5.663 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.20 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:165 Resp: 7823

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



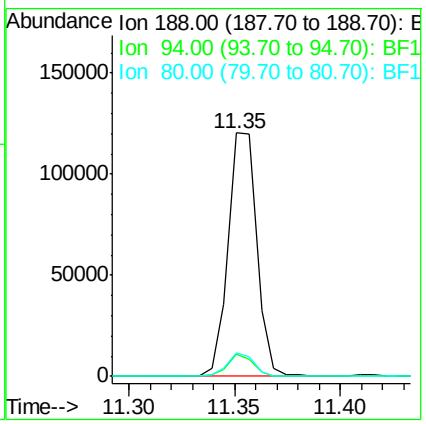


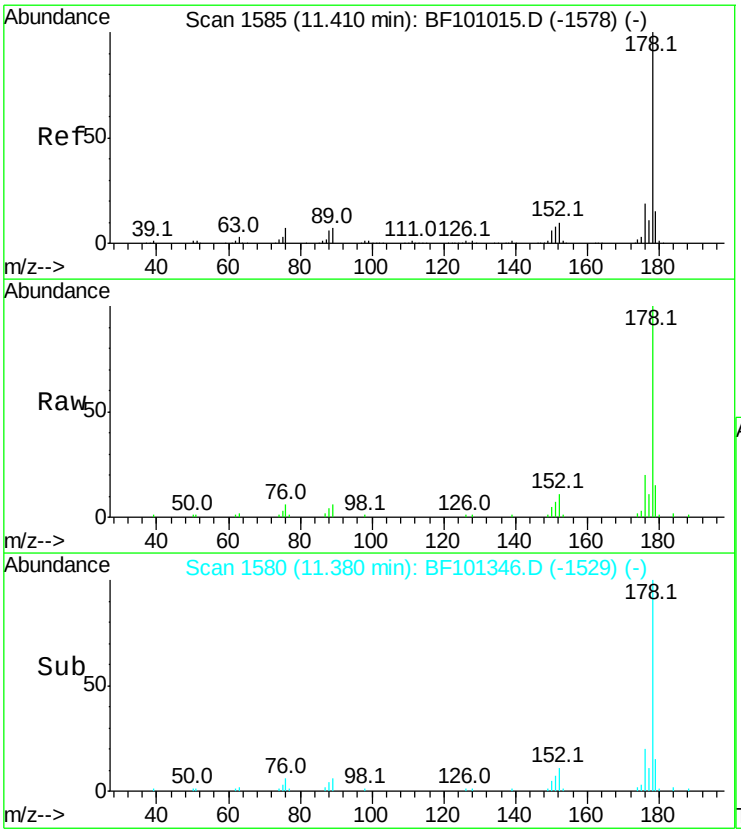

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:188 Resp: 112388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 8.5 | 12.7 |
| 80 | 9.7 | 9.2 | 13.8 |

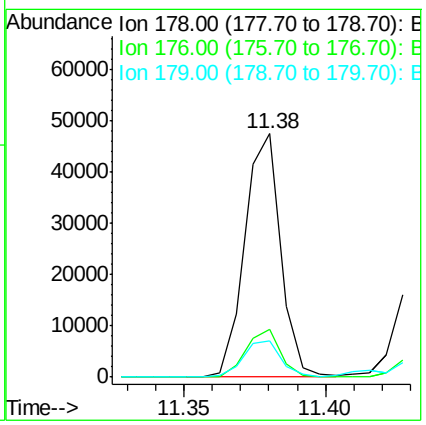


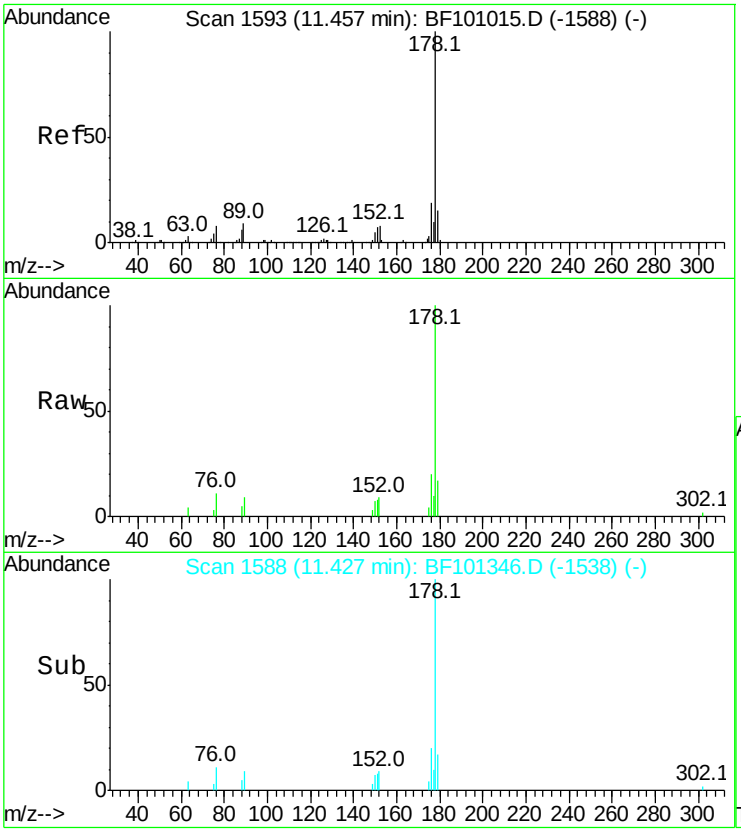




#70
Phenanthrene
Concen: 6.764 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:178 Resp: 41861

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



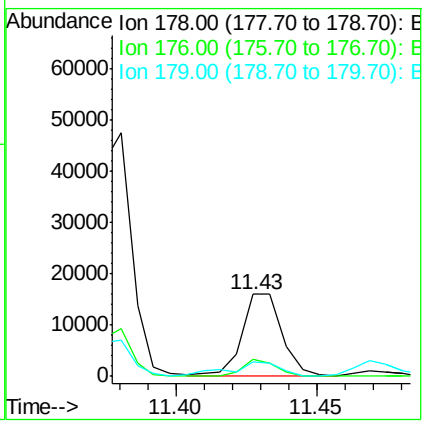


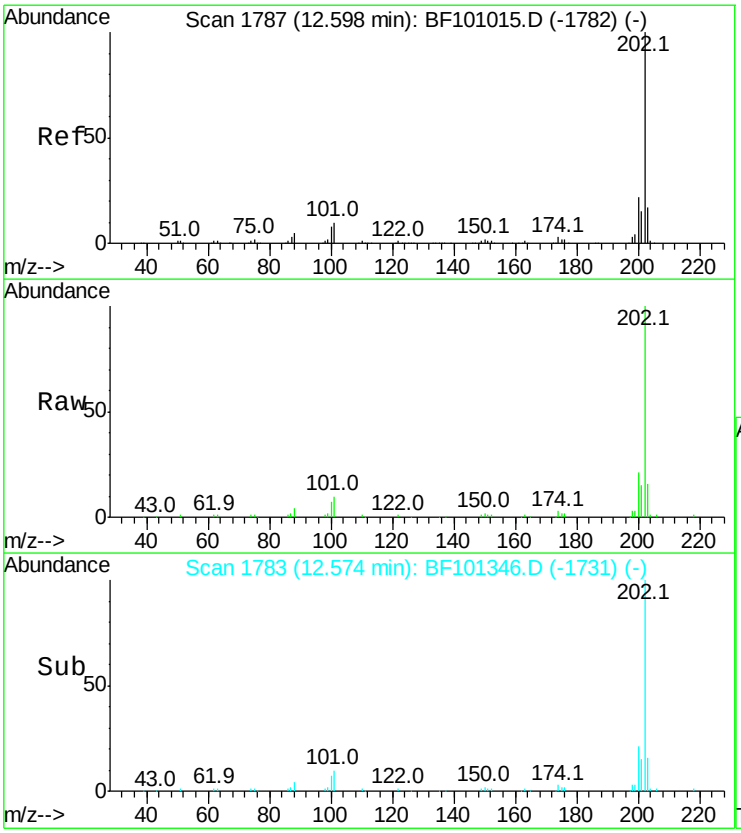

#71
Anthracene
Concen: 2.544 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:178 Resp: 15938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.4 | 23.2 |
| 179 | 17.0 | 12.6 | 19.0 |

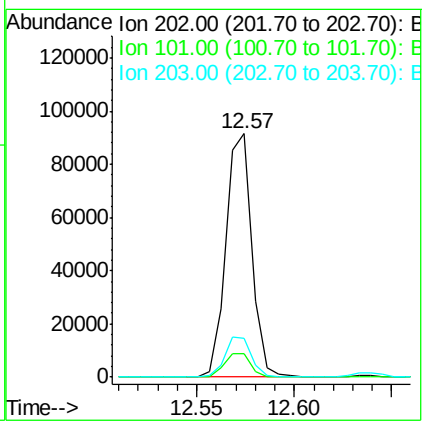


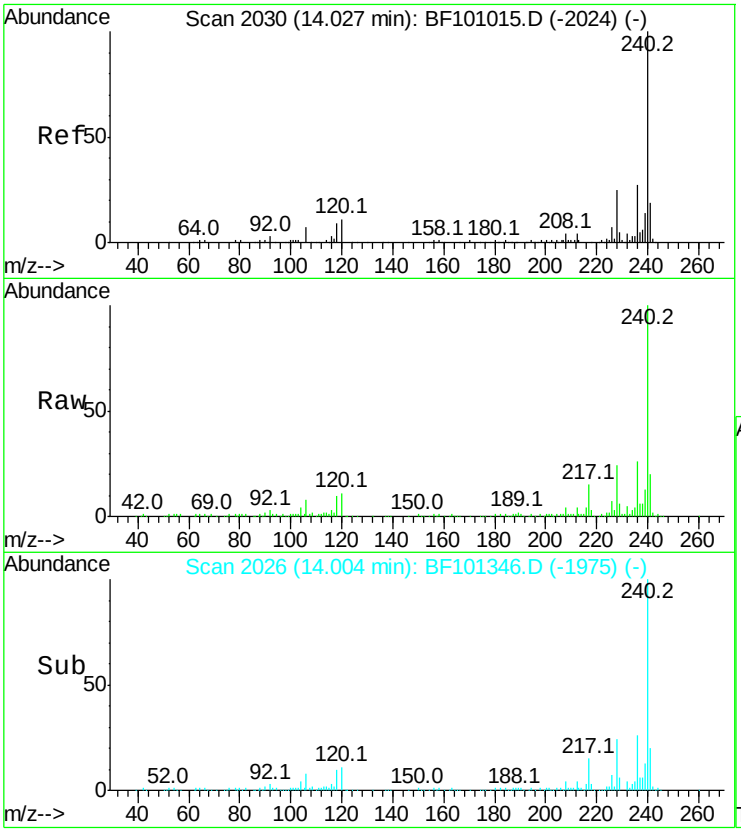




#74
Fluoranthene
Concen: 12.290 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:202 Resp: 84315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 34.1 |
| 203 | 15.7 | 0.0 | 38.1 |



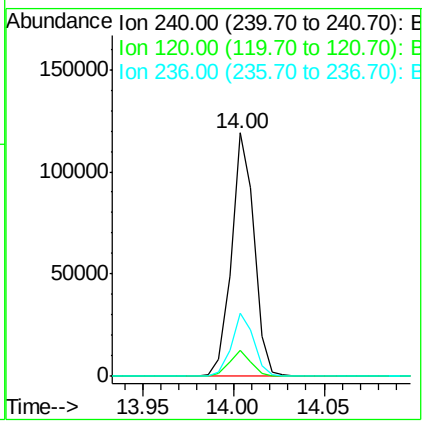


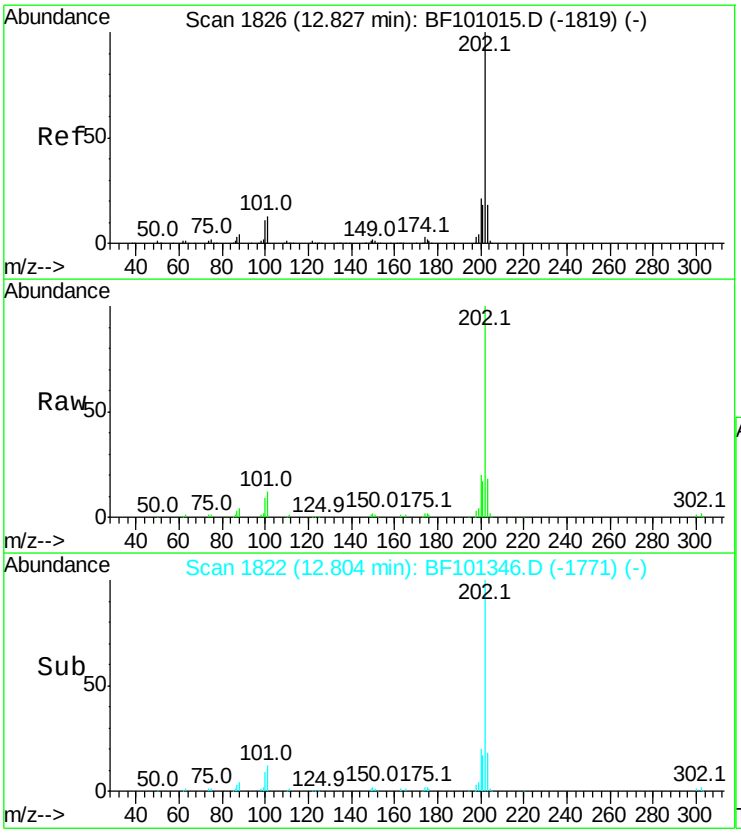

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:240 Resp: 103288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 9.5 | 14.3 |
| 236 | 26.0 | 20.7 | 31.1 |

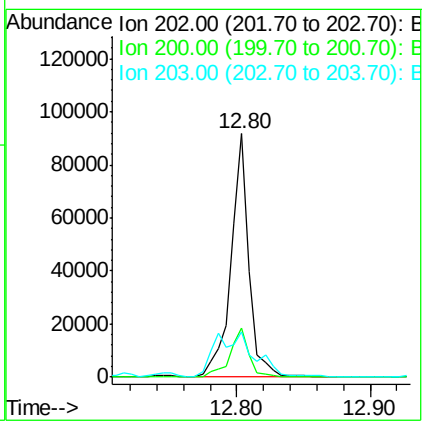


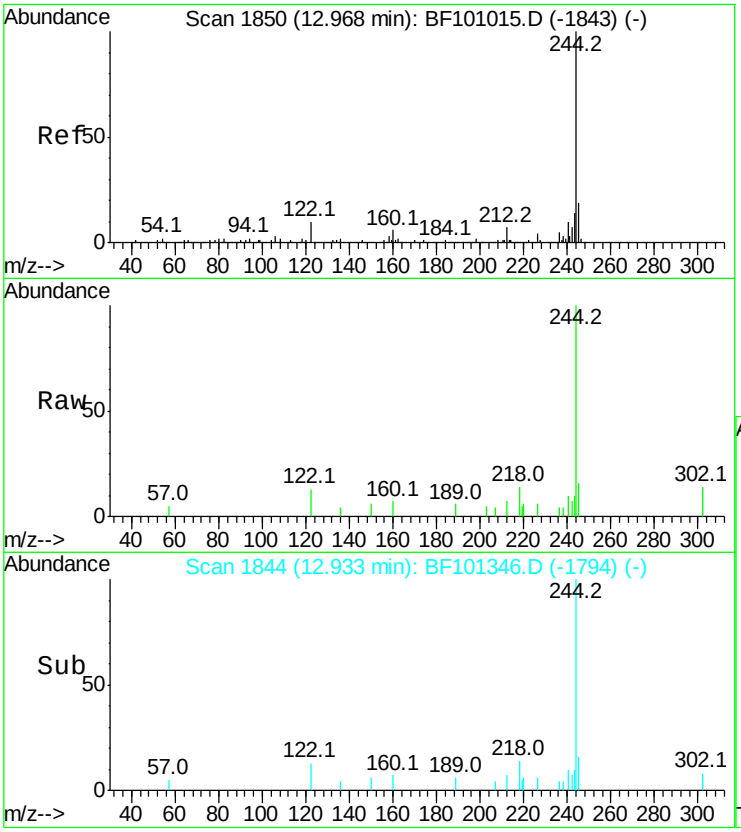




#77
Pyrene
Concen: 12.204 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:202 Resp: 86979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 17.4 | 26.2 |
| 203 | 18.5 | 14.3 | 21.5 |



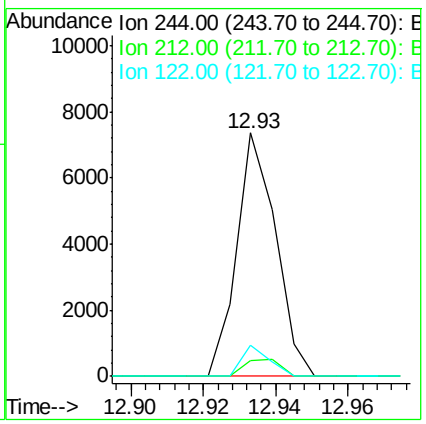


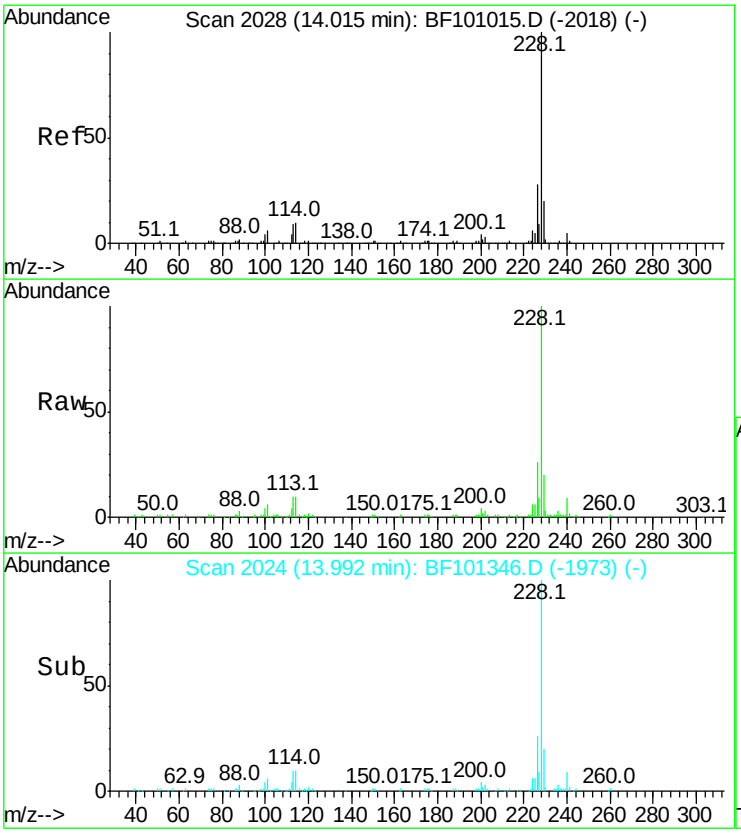

#78
Terphenyl-d14
Concen: 1.165 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:244 Resp: 5500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 12.6 | 11.0 | 16.4 |

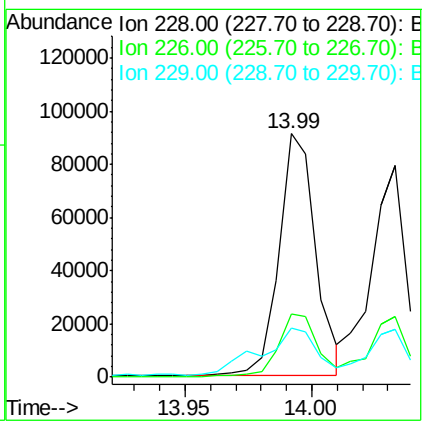


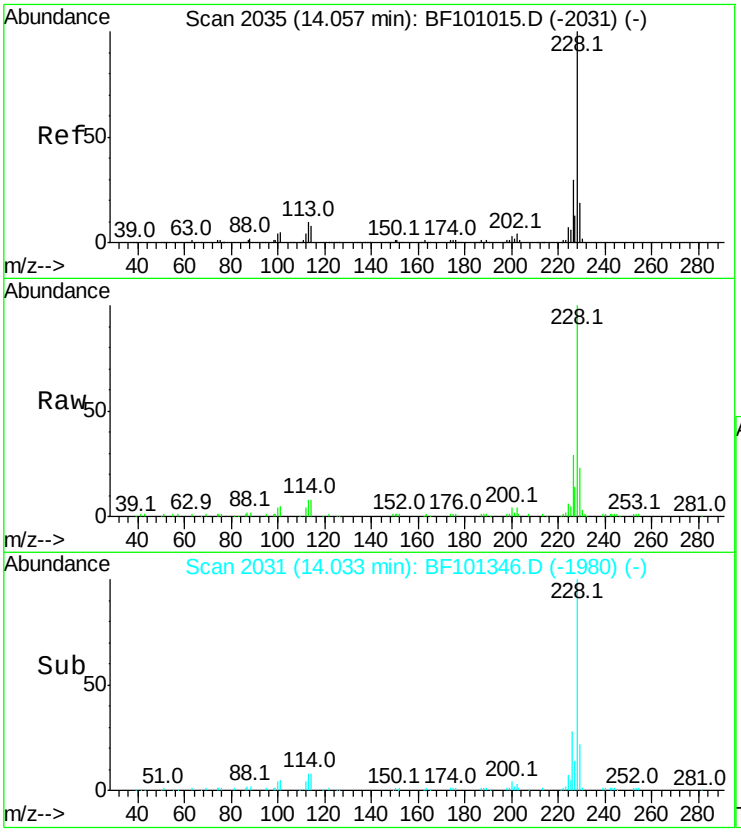




#80
Benzo(a)anthracene
Concen: 14.098 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:228 Resp: 91938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 25.9 | 22.6 | 33.8 |
| 229 | 20.4 | 15.8 | 23.6 |



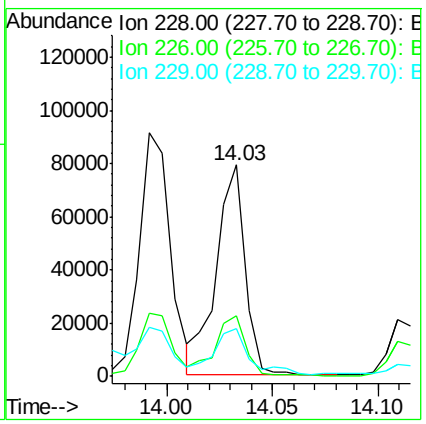


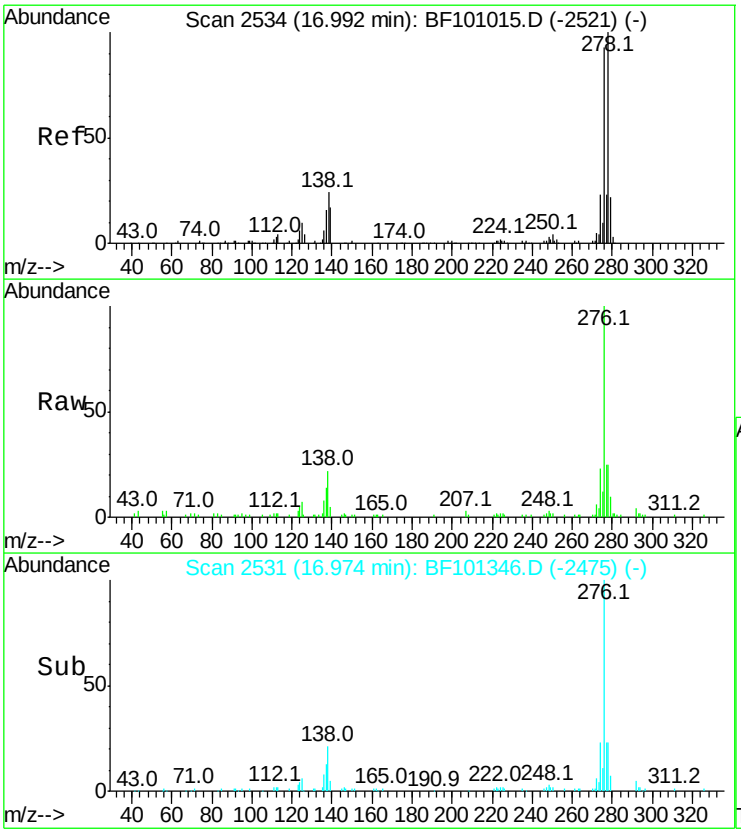

#82
Chrysene
Concen: 12.427 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:228 Resp: 75267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 25.0 | 37.6 |
| 229 | 22.6 | 16.2 | 24.4 |

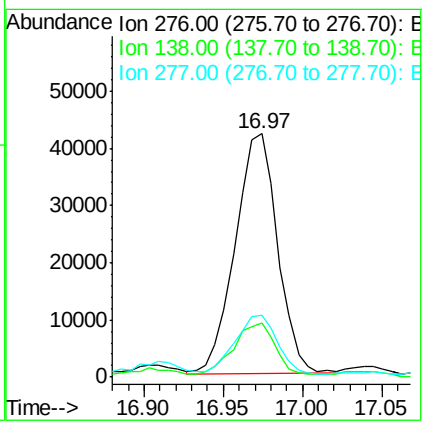


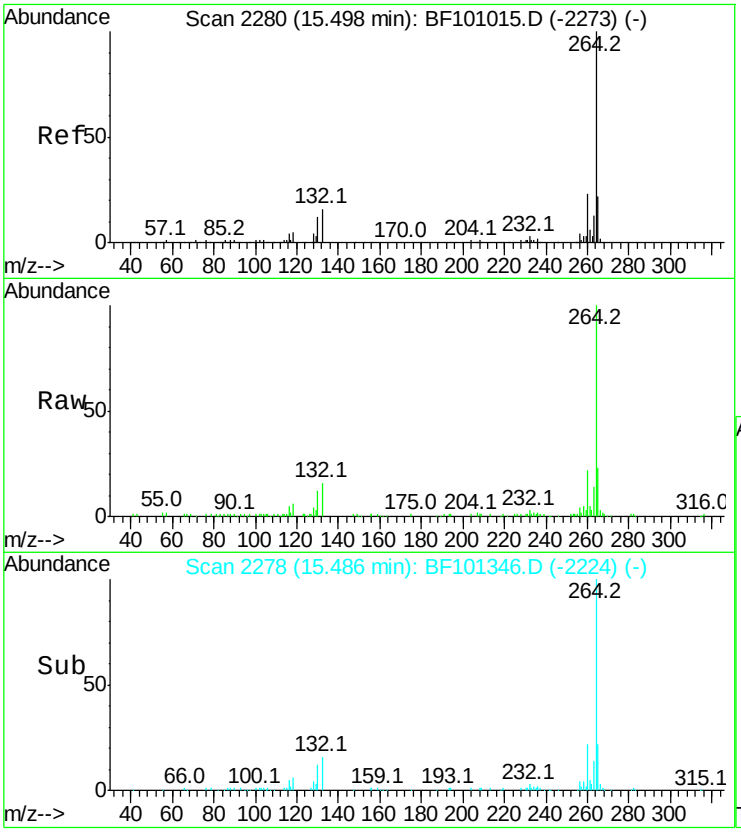




#85
Indeno(1,2,3-cd)pyrene
Concen: 14.498 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:276 Resp: 78063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 25.0 | 37.6# |
| 277 | 24.1 | 20.1 | 30.1 |



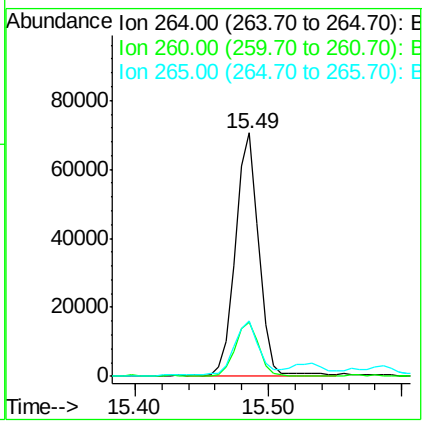


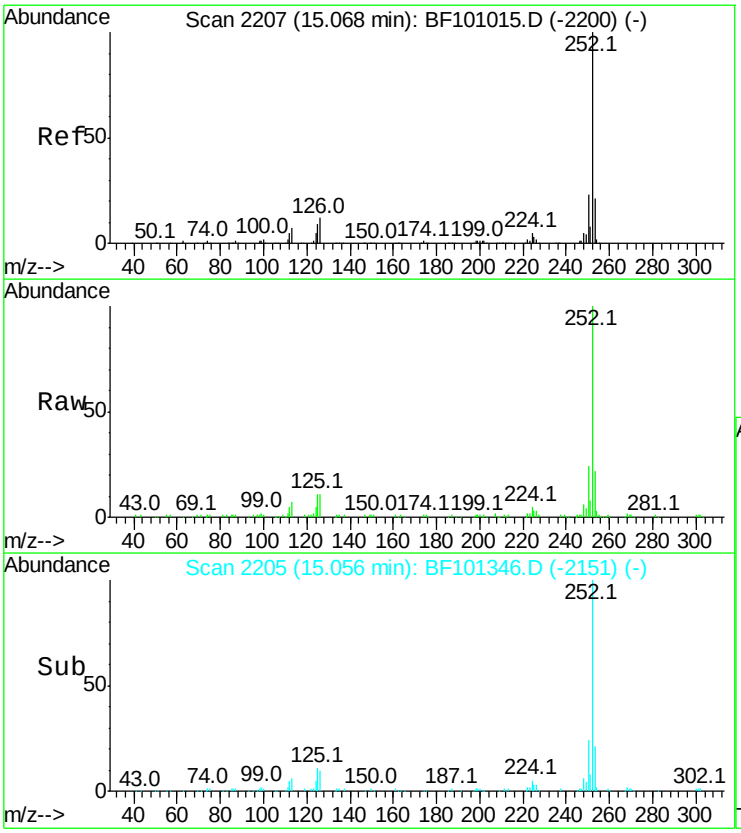

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:264 Resp: 86625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 19.2 | 28.8 |
| 265 | 22.9 | 17.5 | 26.3 |

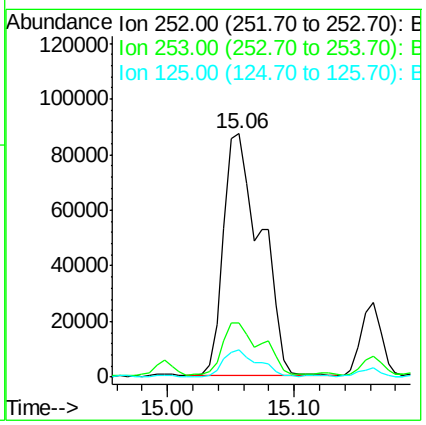


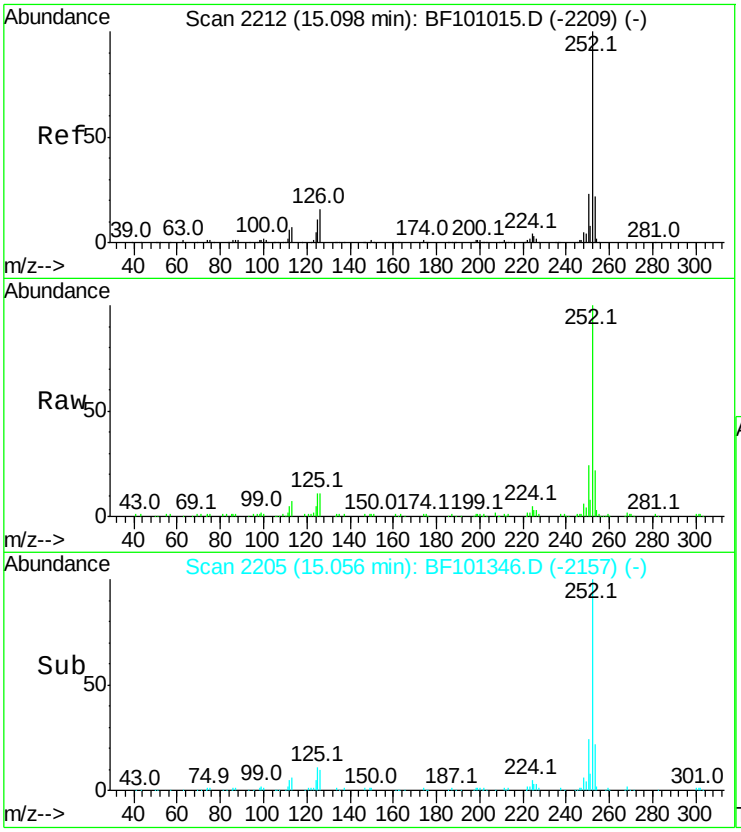




#87
Benzo(b)fluoranthene
Concen: 34.537 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:252 Resp: 179201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.0 | 25.6 |
| 125 | 11.0 | 9.0 | 13.6 |



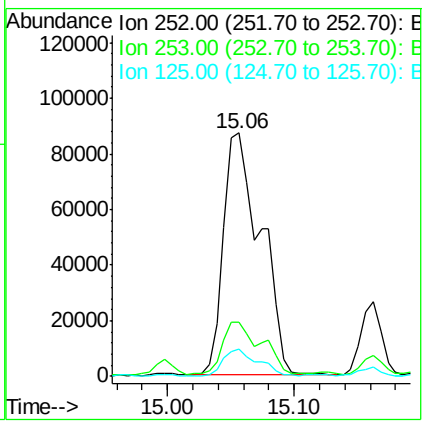


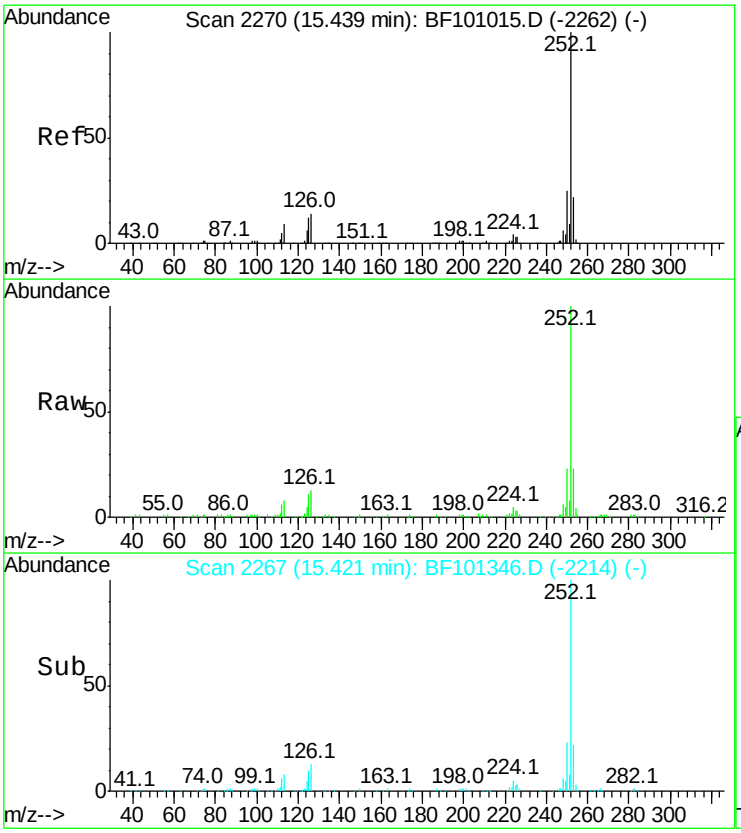

#88
Benzo(k)fluoranthene
Concen: 35.055 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:252 Resp: 179201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.9 | 26.9 |
| 125 | 11.0 | 10.2 | 15.2 |

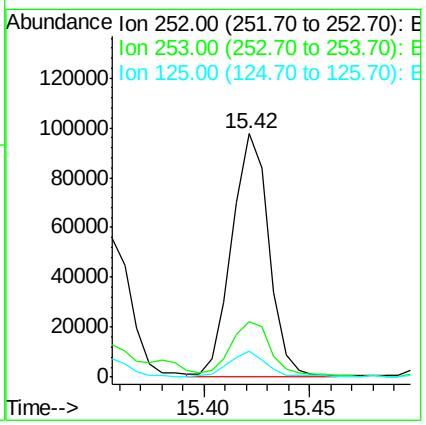


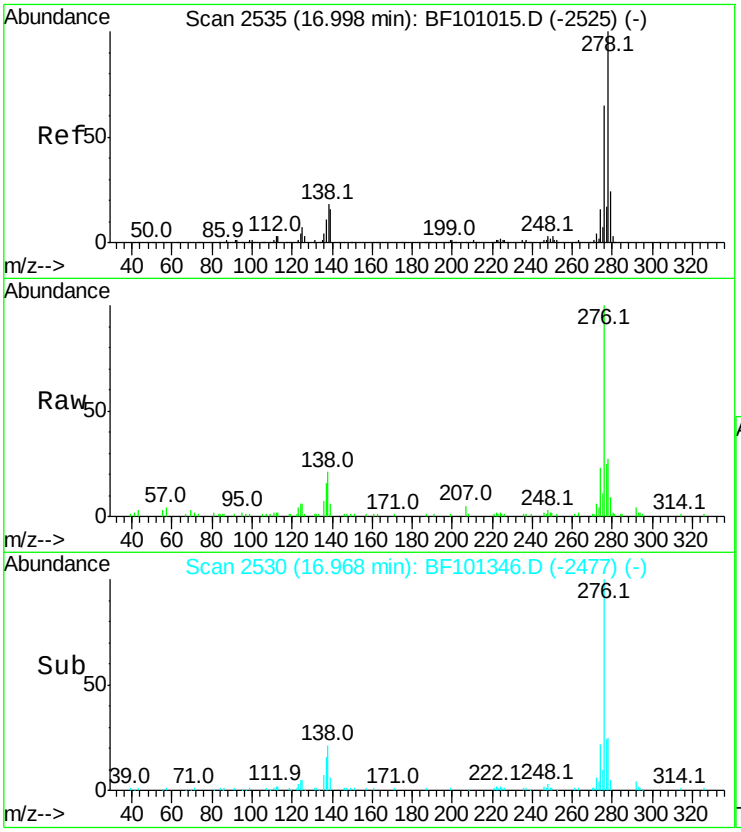




#89
Benzo(a)pyrene
Concen: 25.043 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:252 Resp: 118129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.1 | 25.7 |
| 125 | 10.8 | 9.8 | 14.6 |



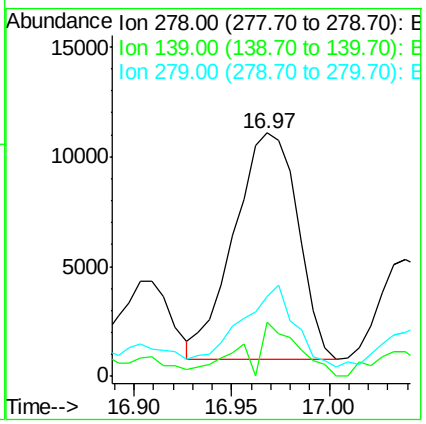


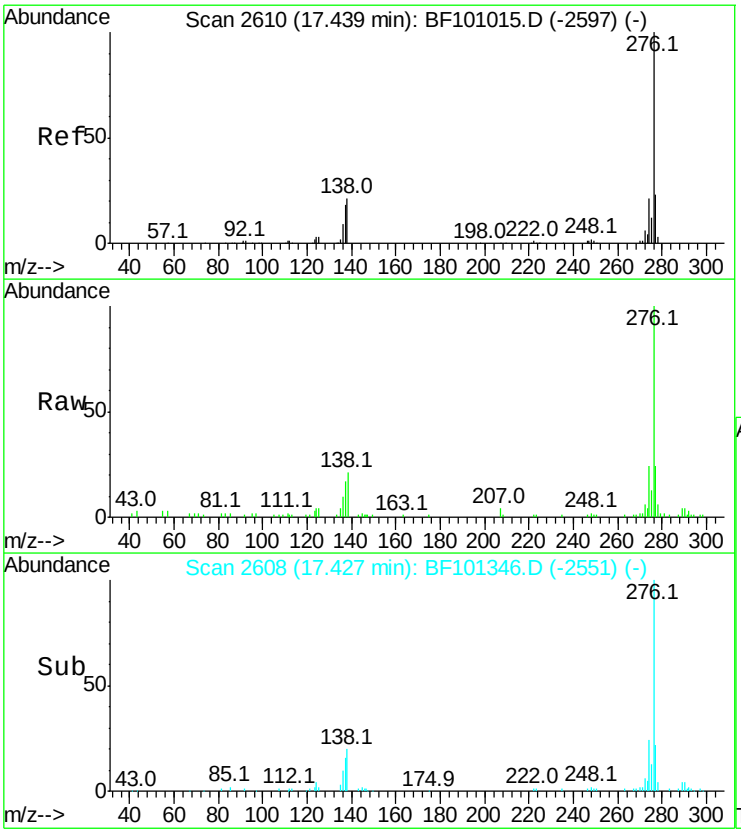

#90
Dibenzo(a,h)anthracene
Concen: 5.589 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

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

Tgt Ion:278 Resp: 23244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.1 | 15.9 | 23.9 |
| 279 | 32.8 | 19.0 | 28.4# |




#91
Benzo(g,h,i)perylene
Concen: 18.277 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.04 min
Lab File: BF101346.D
Acq: 12 Dec 2017 22:41

Tgt Ion:276 Resp: 71630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 17.9 | 26.9 |
| 138 | 21.0 | 21.8 | 32.8# |