Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100936.D
Acq On : 28 Nov 2017 16:19
Operator : SJ/JU
Sample : I6579-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 29 00:37:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 59494 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 224757 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 97624 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 150532 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 136171 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 143927 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 335813 | 90.48 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 413474 | 90.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 248729 | 73.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 90244 | 90.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 488338 | 76.17 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 348937 | 58.88 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.50 | 94 | 9972 | 2.076 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 31989 | 10.079 | ng | # | 82 |
| 25) Isophorone | 7.42 | 82 | 248727 | 34.817 | ng | # | 64 |
| 47) 2-Nitroaniline | 9.22 | 65 | 511 | 3.050 | ng | # | 1 |
| 48) Acenaphthylene | 9.76 | 152 | 73427 | 7.233 | ng | | 99 |
| 49) Dimethylphthalate | 9.60 | 163 | 20533 | 2.755 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.89 | 165 | 12563 | 8.515 | ng | # | 24 |
| 56) 2,4-Dinitrotoluene | 9.89 | 165 | 12563 | 6.750 | ng | # | 21 |
| 62) Azobenzene | 10.60 | 77 | 41120 | 5.853 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 6142 | 3.806 | ng | # | 1 |
| 70) Phenanthrene | 11.40 | 178 | 48939 | 6.175 | ng | | 98 |
| 71) Anthracene | 11.46 | 178 | 23680 | 2.945 | ng | | 97 |
| 74) Fluoranthene | 12.59 | 202 | 85945 | 10.232 | ng | | 94 |
| 77) Pyrene | 12.82 | 202 | 82842 | 8.534 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 51755 | 6.311 | ng | | 98 |
| 82) Chrysene | 14.04 | 228 | 51755 | 6.518 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 61154 | 9.521 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 132604 | 15.551 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 132604 | 16.459 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.43 | 252 | 77945 | 10.311 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.42 | 276 | 95939 | 15.853 | ng | # | 94 |

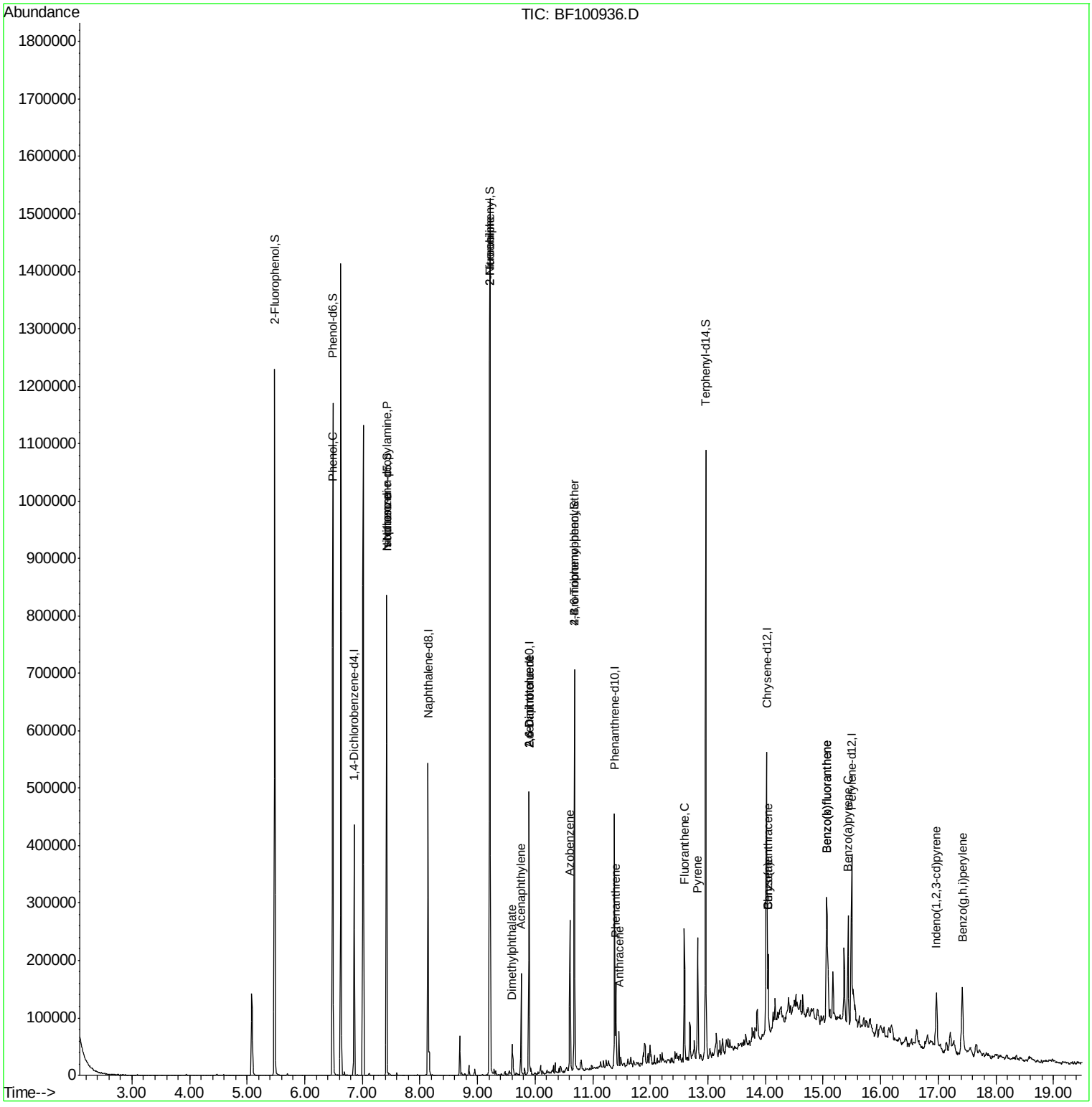
(#) = qualifier out of range (m) = manual integration (+) = signals summed

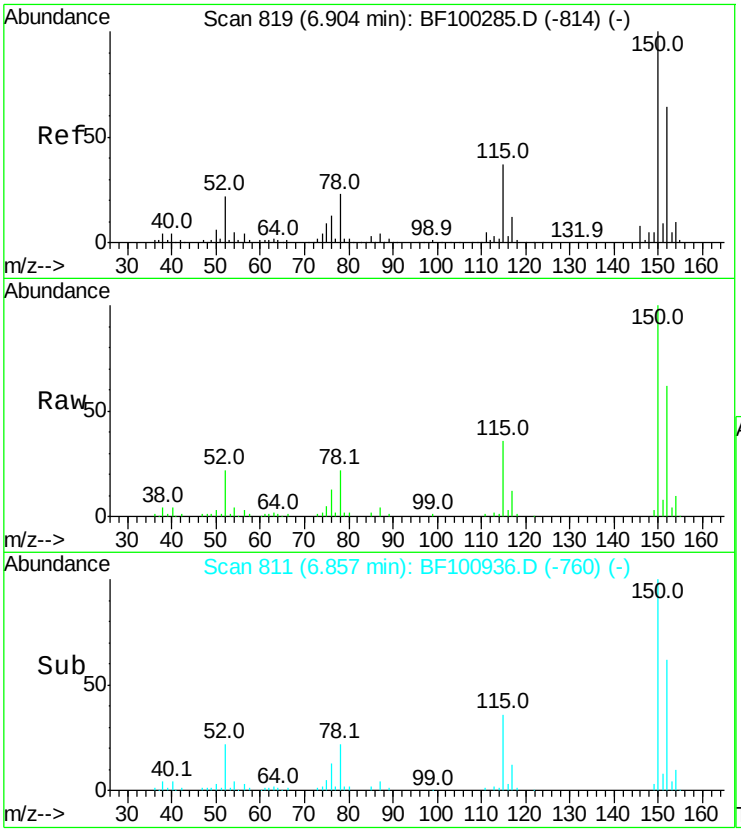
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100936.D
Acq On : 28 Nov 2017 16:19
Operator : SJ/JU
Sample : I6579-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 29 00:37:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration



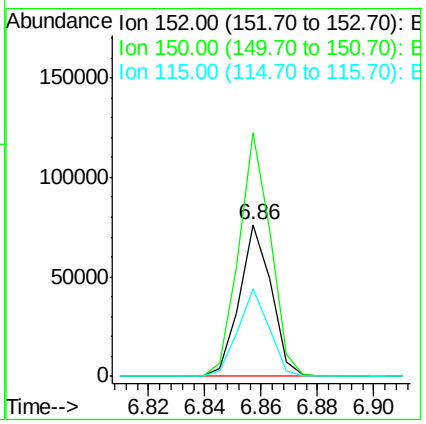


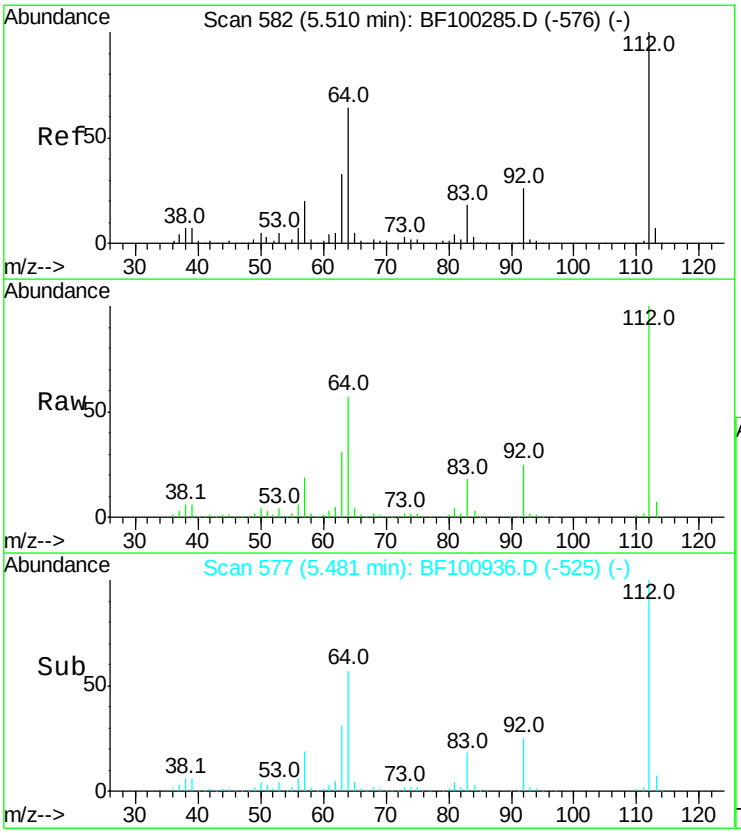

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:152 Resp: 59494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.8 | 124.6 | 186.8 |
| 115 | 57.5 | 50.1 | 75.1 |

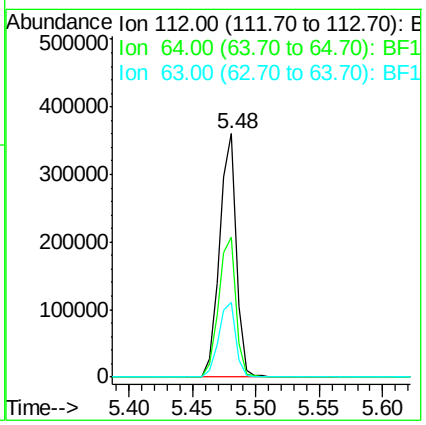


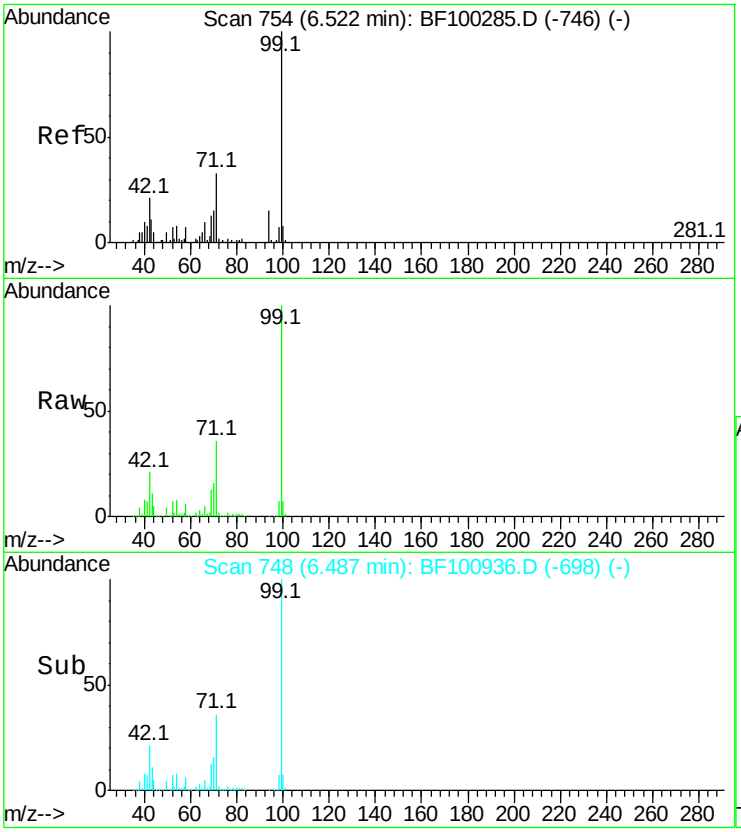




#5
2-Fluorophenol
Concen: 90.480 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:112 Resp: 335813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.4 | 47.9 | 71.9 |
| 63 | 30.6 | 23.7 | 35.5 |



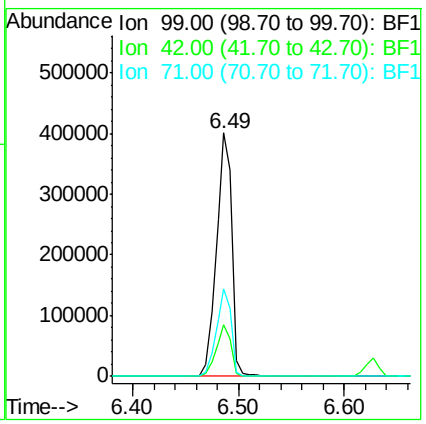


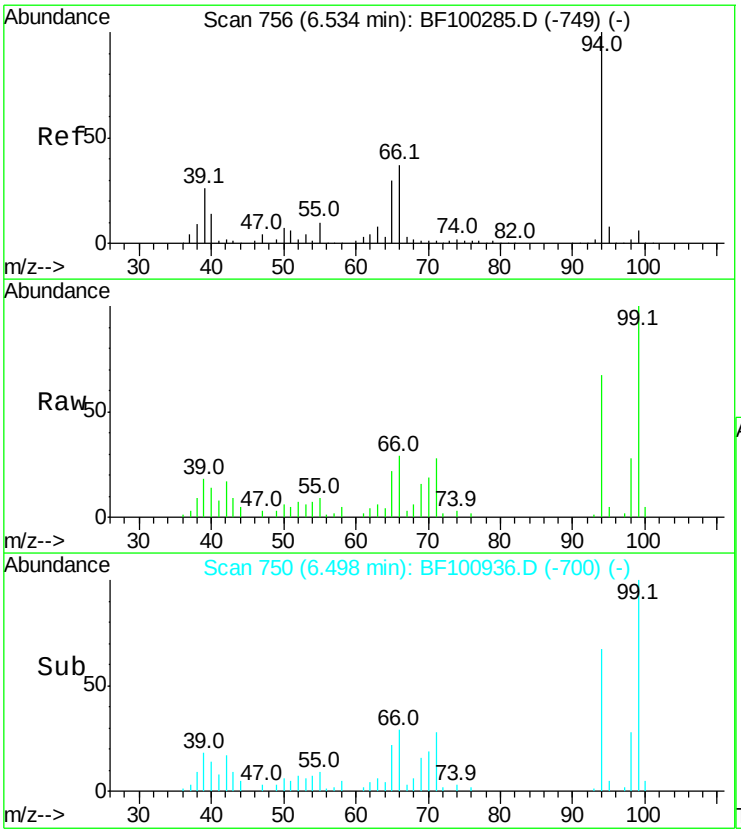

#7
Phenol-d6
Concen: 90.343 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion: 99 Resp: 413474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.0 | 14.5 | 21.7 |
| 71 | 36.1 | 25.4 | 38.0 |

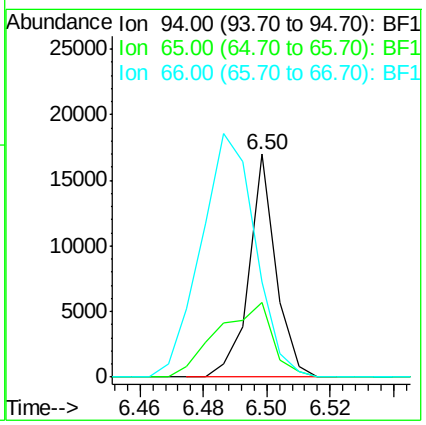


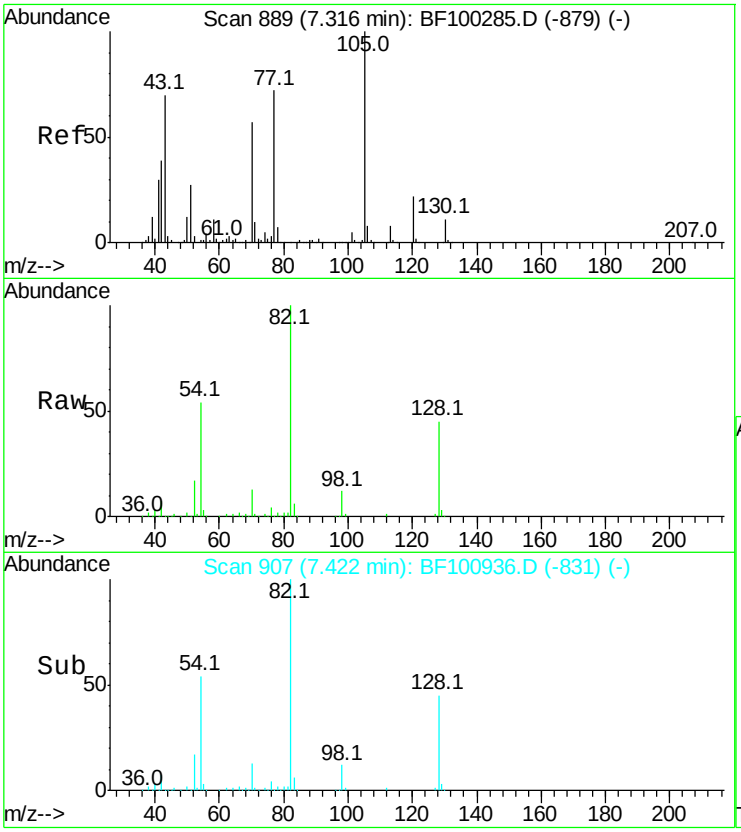




#10
Phenol
Concen: 2.076 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion: 94 Resp: 9972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.3 | 7.9 | 47.9 |
| 66 | 42.4 | 16.2 | 56.2 |



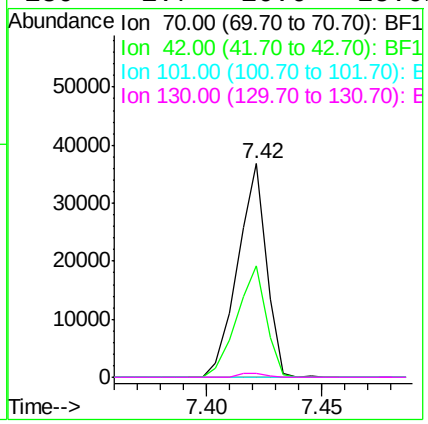


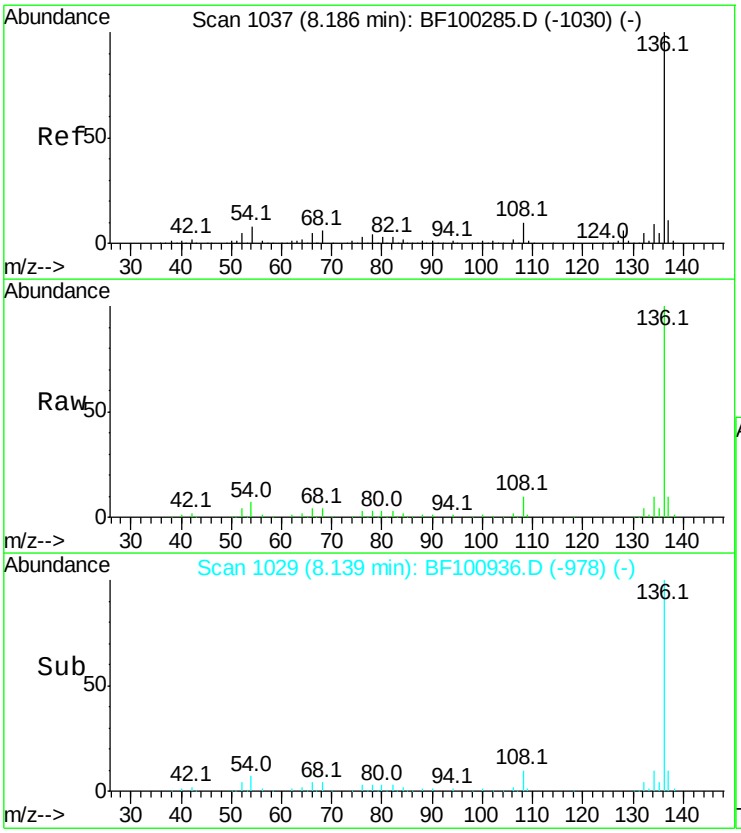

#19
n-Nitroso-di-n-propylamine
Concen: 10.079 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion: 70 Resp: 31989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.4 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.7 | 16.6 | 25.0# |

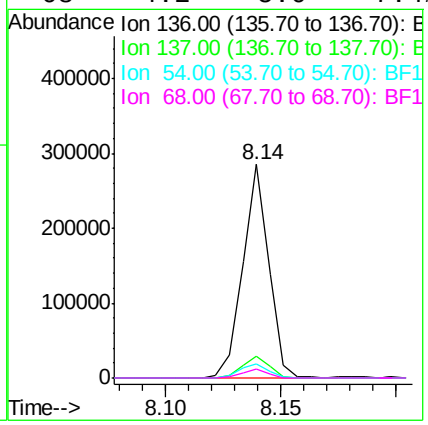


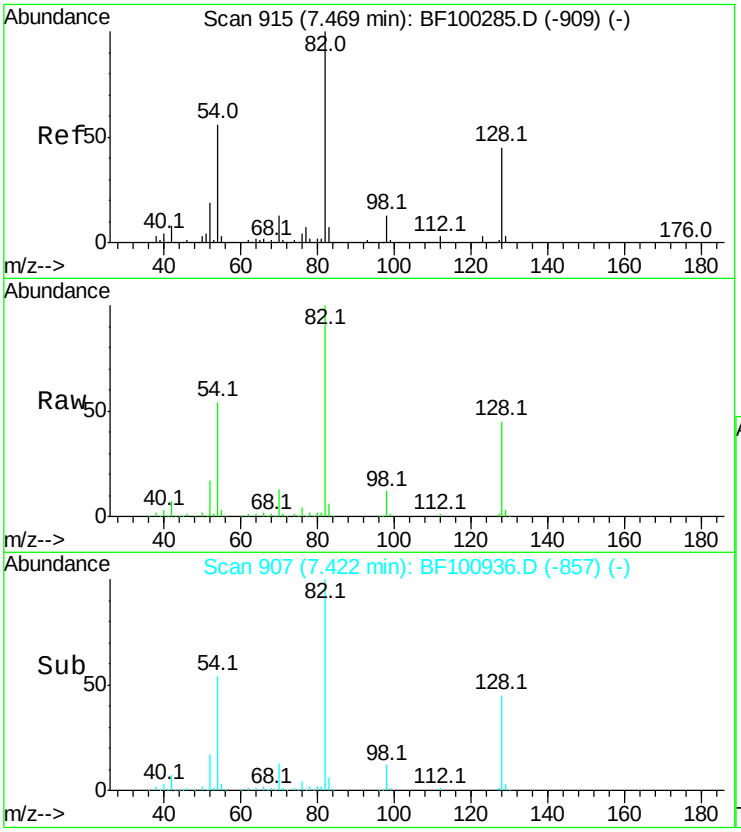




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:136 Resp: 224757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.2 | 8.9 | 13.3 |
| 54 | 6.8 | 6.6 | 9.8 |
| 68 | 4.2 | 5.0 | 7.4# |



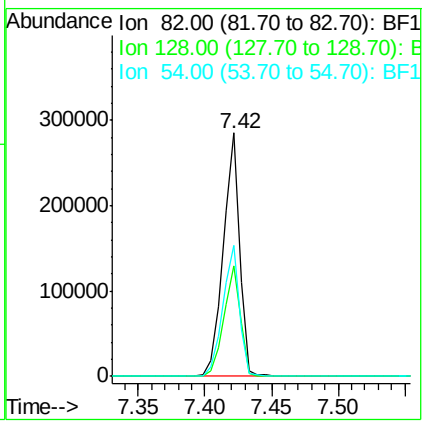


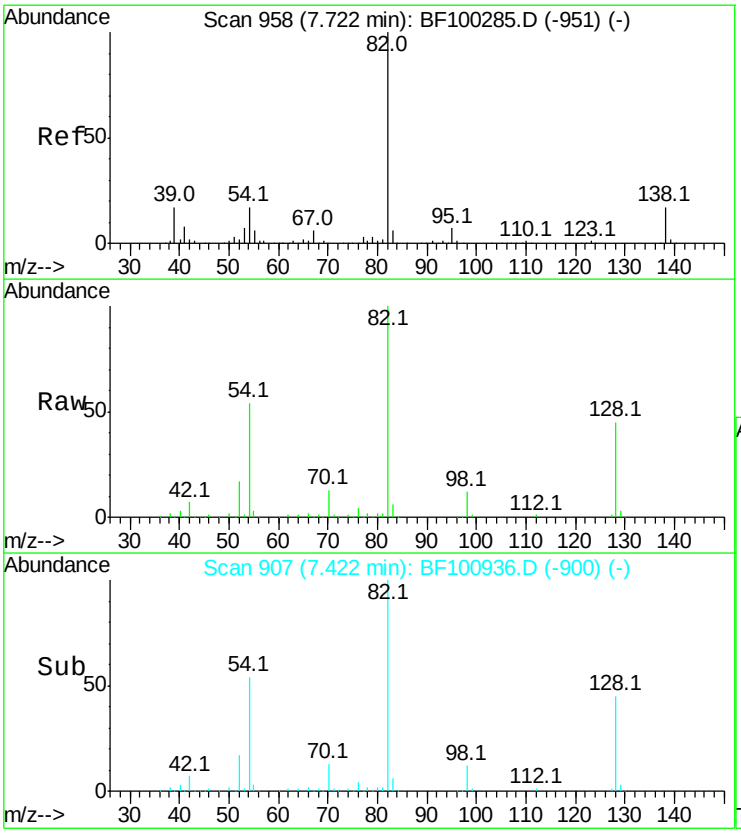

#23
Nitrobenzene-d5
Concen: 73.165 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion: 82 Resp: 248729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 36.1 | 54.1 |
| 54 | 53.8 | 41.4 | 62.2 |

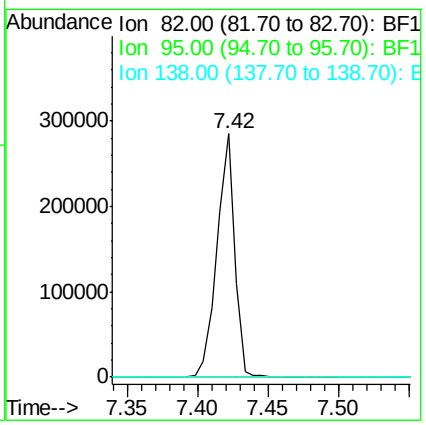


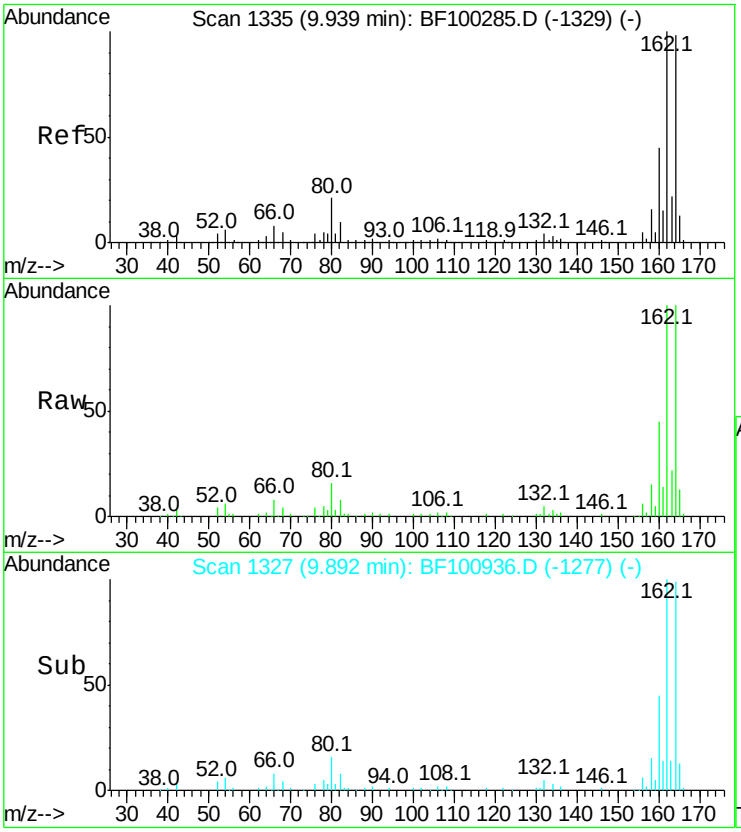




#25
Isophorone
Concen: 34.817 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion: 82 Resp: 248727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |



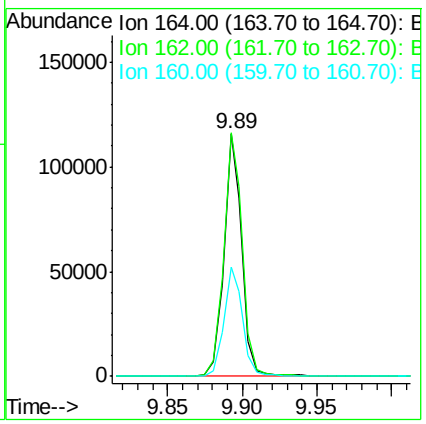


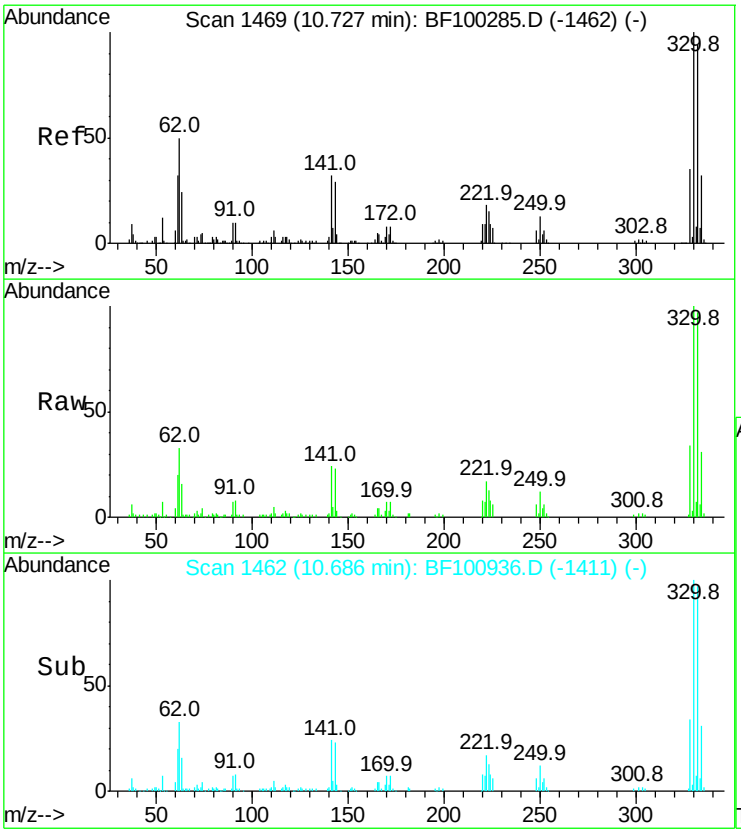

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:164 Resp: 97624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 86.1 | 129.1 |
| 160 | 45.1 | 38.3 | 57.5 |

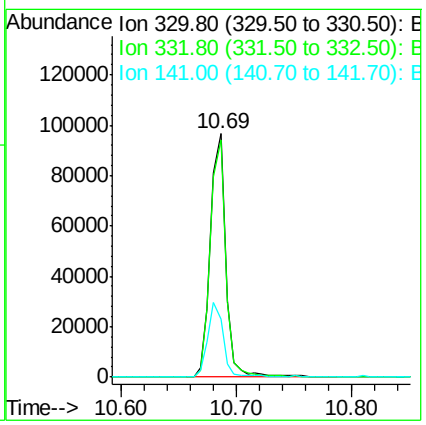


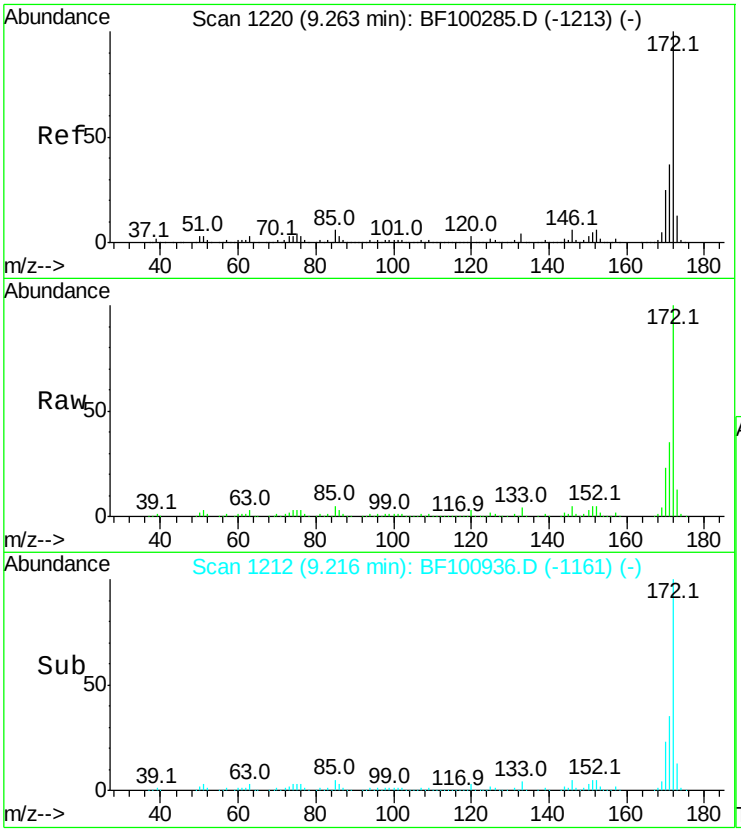




#41
2,4,6-Tribromophenol
Concen: 90.717 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:330 Resp: 90244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 77.0 | 115.6 |
| 141 | 31.3 | 29.9 | 44.9 |



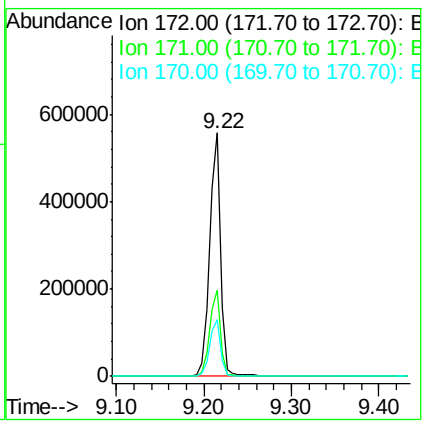


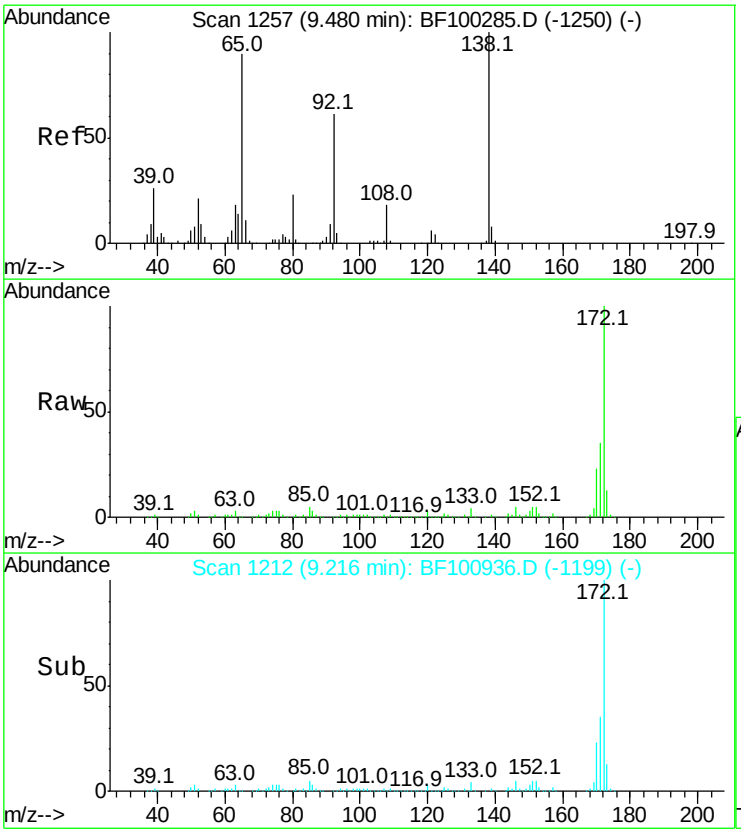

#44
2-Fluorobiphenyl
Concen: 76.170 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:172 Resp: 488338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.7 | 44.5 |
| 170 | 23.5 | 19.6 | 29.4 |

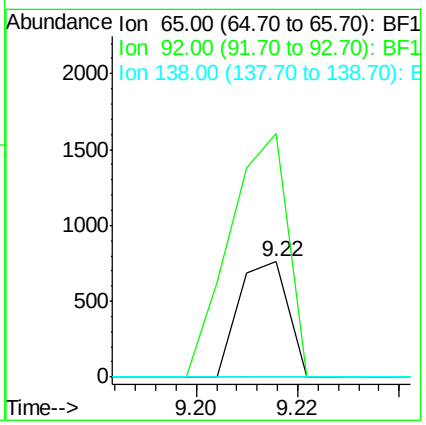


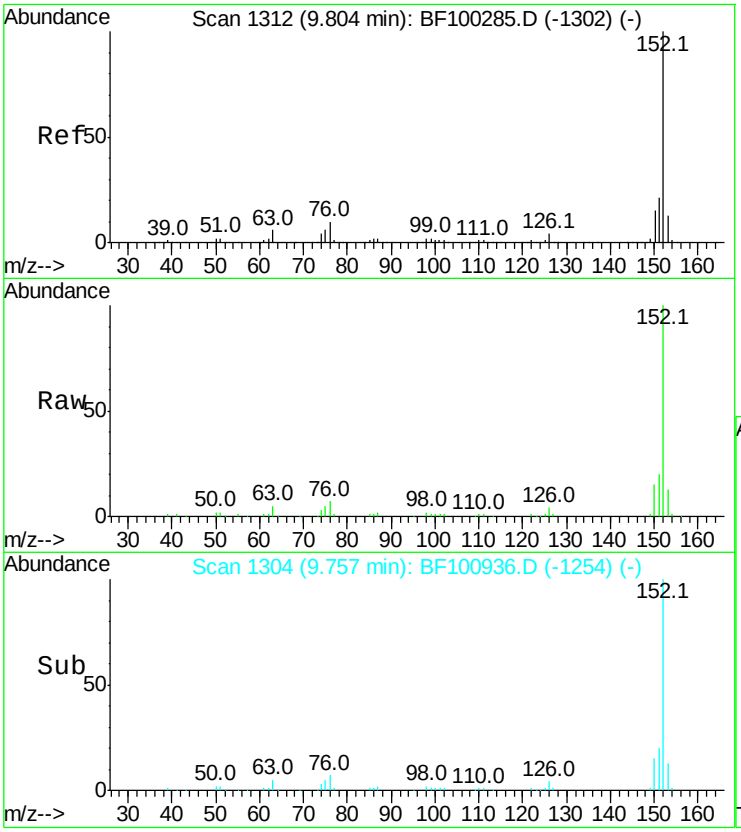




#47
2-Nitroaniline
Concen: 3.050 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.22 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion: 65 Resp: 511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 210.6 | 55.8 | 83.6# |
| 138 | 0.0 | 91.2 | 136.8# |



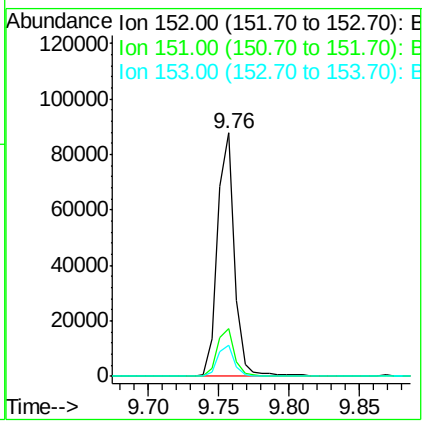


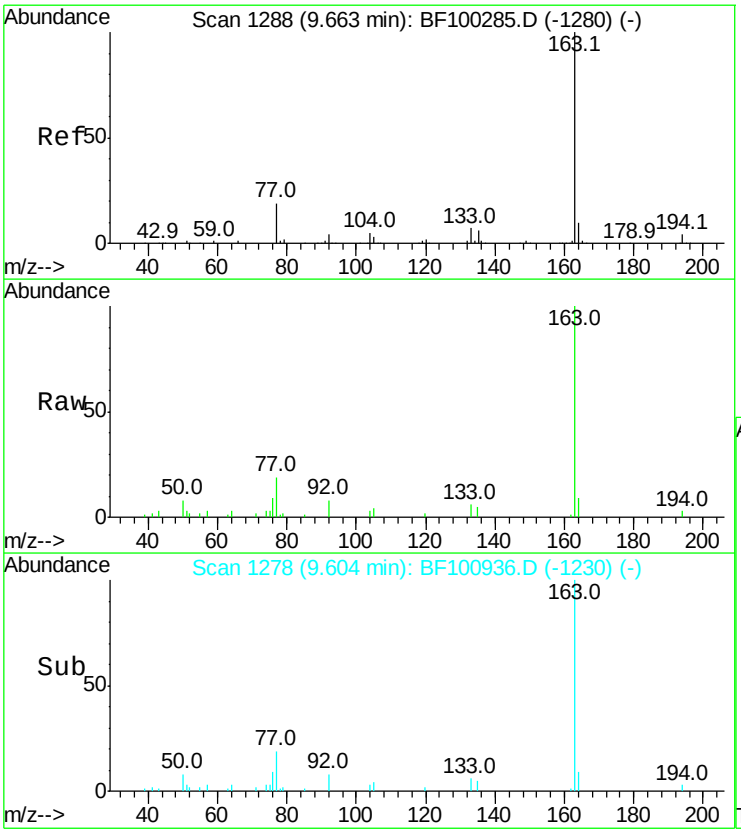

#48
Acenaphthylene
Concen: 7.233 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:152 Resp: 73427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 12.9 | 10.7 | 16.1 |

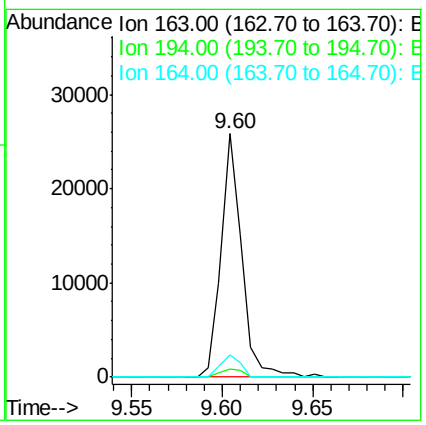


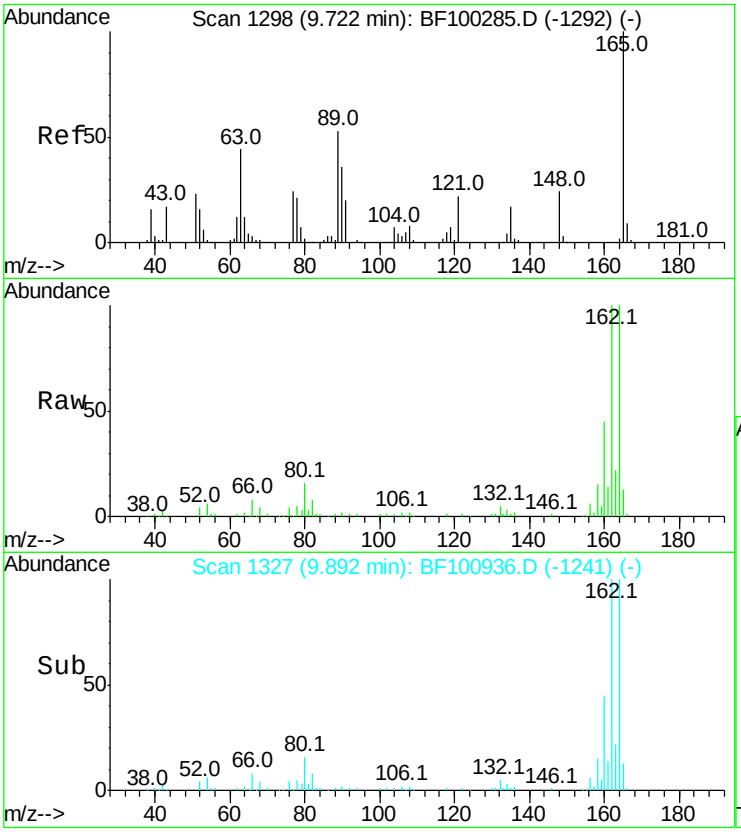




#49
Dimethylphthalate
Concen: 2.755 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:163 Resp: 20533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.7 | 4.1 |
| 164 | 9.3 | 8.2 | 12.2 |



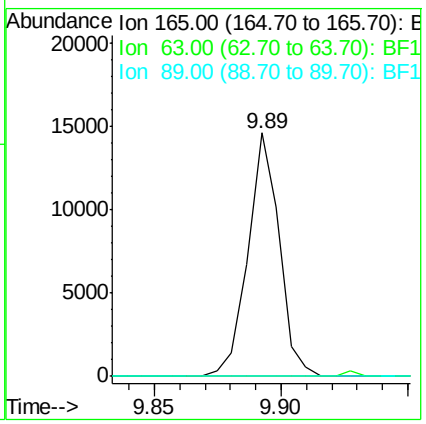


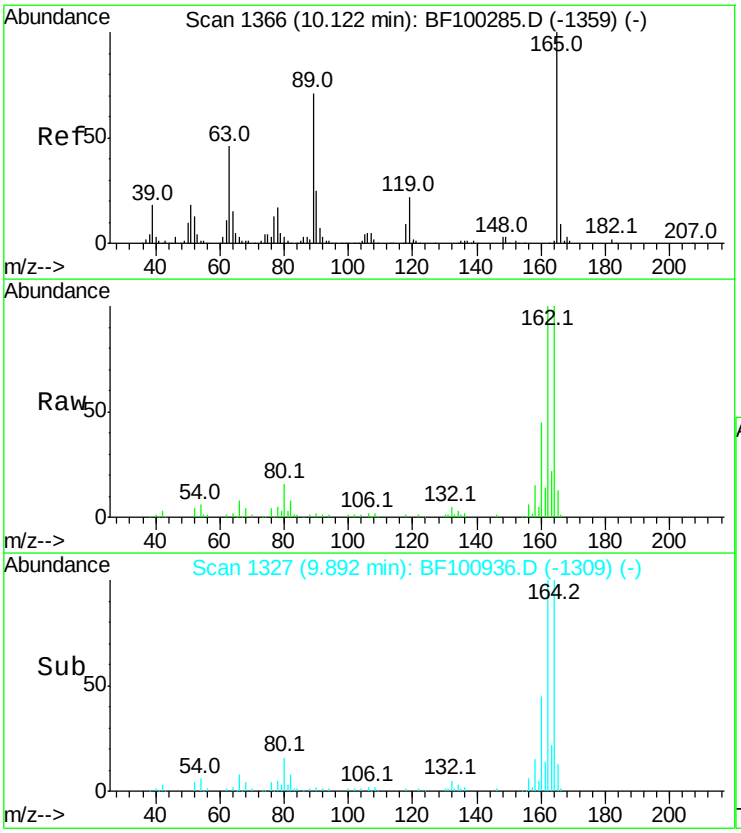

#50
2,6-Dinitrotoluene
Concen: 8.515 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:165 Resp: 12563

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

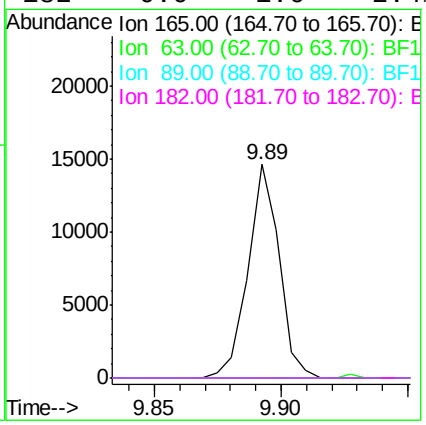


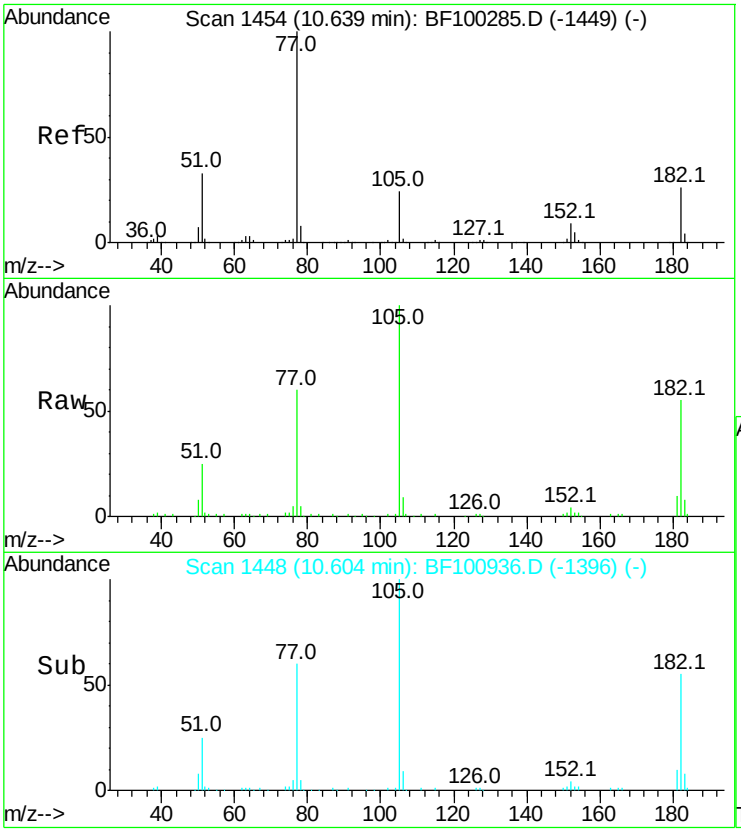




#56
2,4-Dinitrotoluene
Concen: 6.750 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:165 Resp: 12563

| 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# |



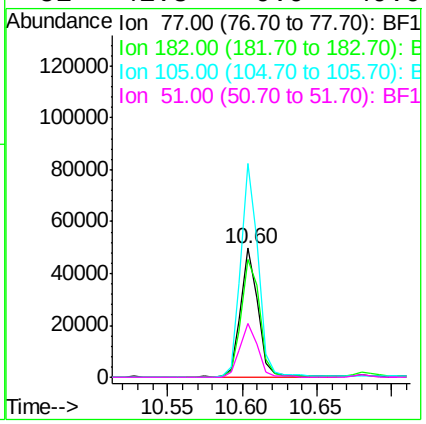


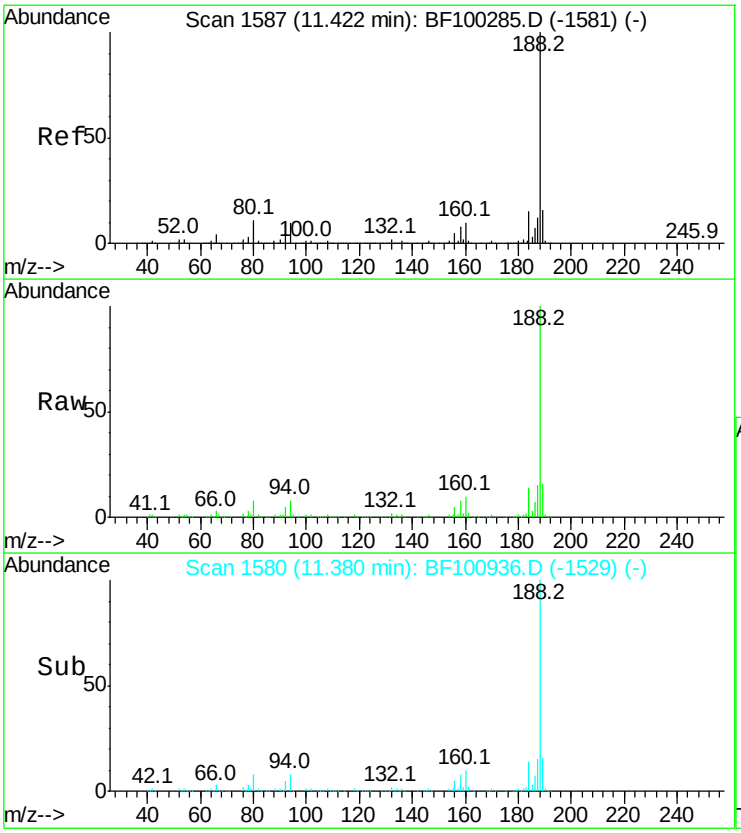

#62
Azobenzene
Concen: 5.853 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion: 77 Resp: 41120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 91.1 | 1.7 | 41.7# |
| 105 | 165.9 | 3.0 | 43.0# |
| 51 | 41.8 | 9.9 | 49.9 |

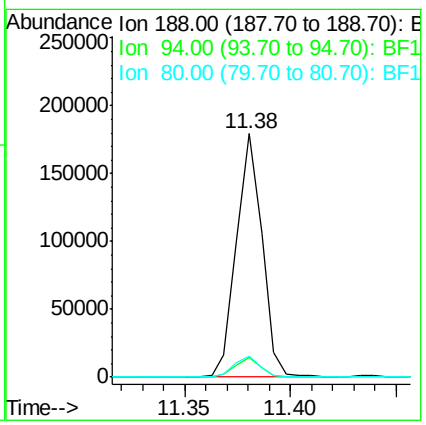


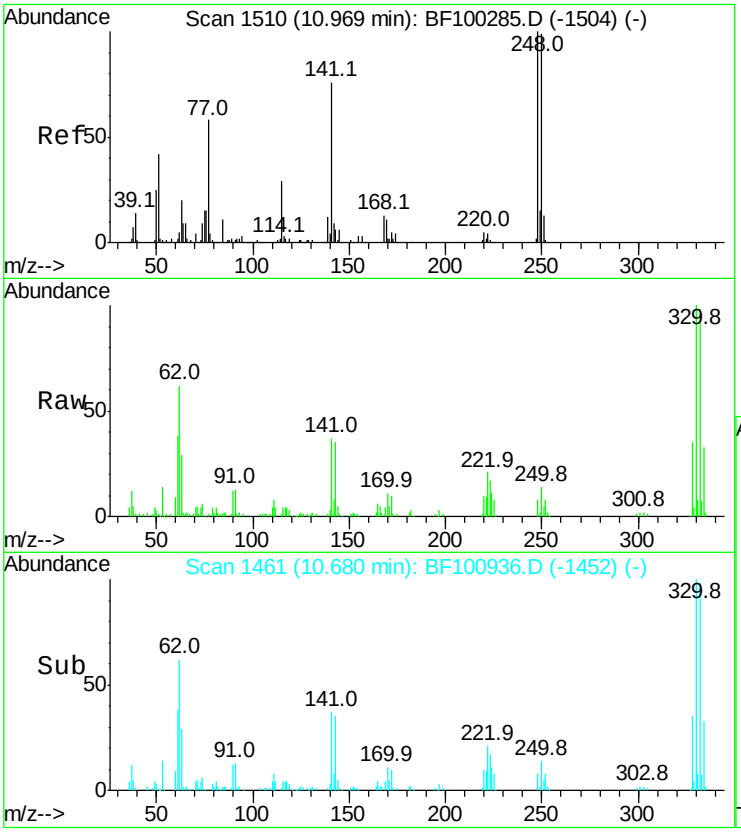




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:188 Resp: 150532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 8.5 | 12.7# |
| 80 | 8.3 | 9.2 | 13.8# |



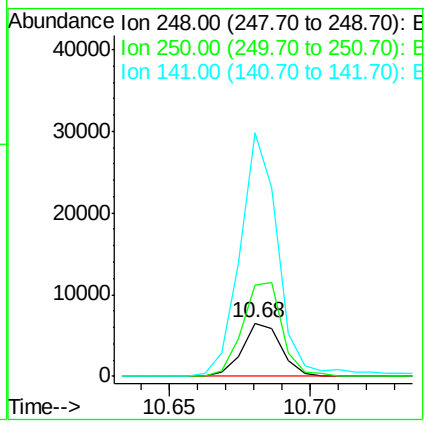


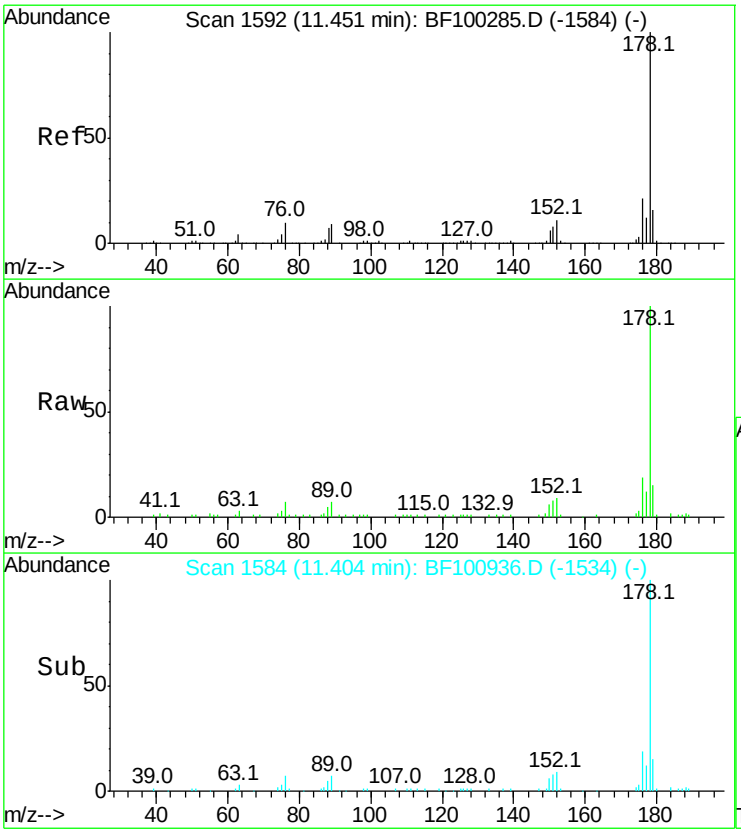

#66
4-Bromophenyl-phenylether
Concen: 3.806 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:248 Resp: 6142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 172.4 | 76.9 | 115.3# |
| 141 | 458.2 | 74.4 | 111.6# |

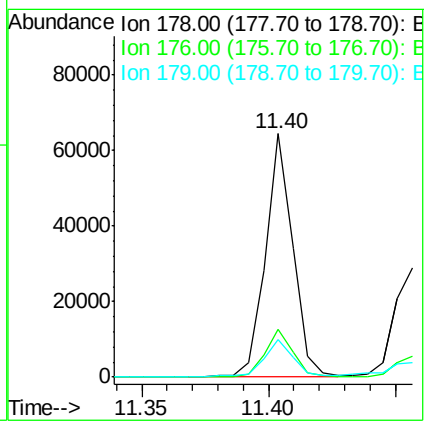


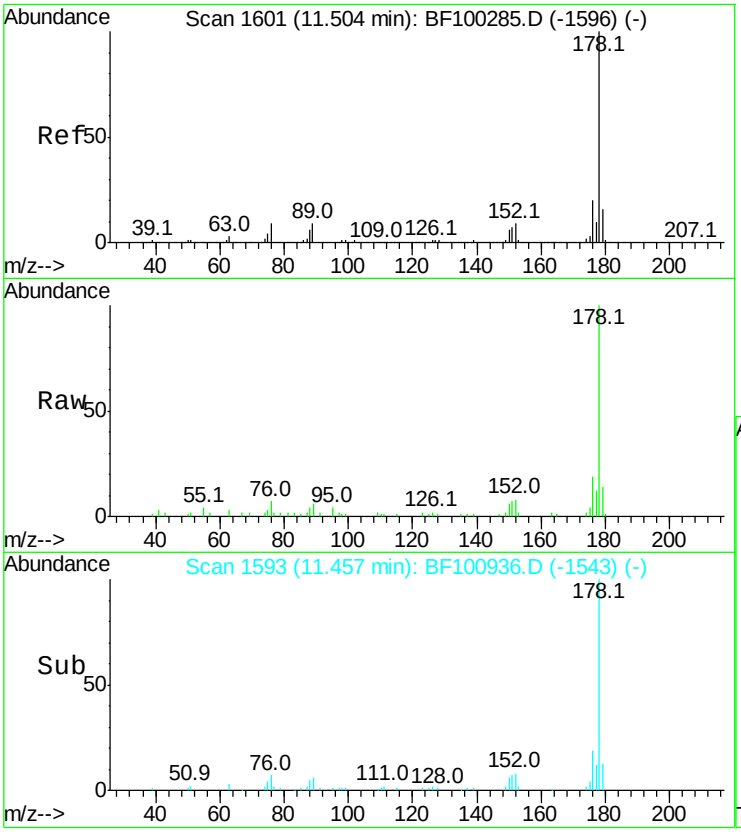




#70
Phenanthrene
Concen: 6.175 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:178 Resp: 48939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.8 | 23.8 |
| 179 | 15.2 | 13.0 | 19.6 |



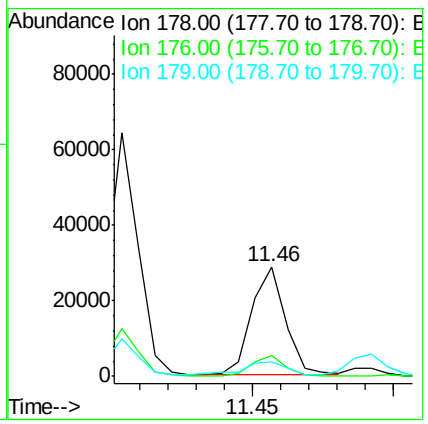


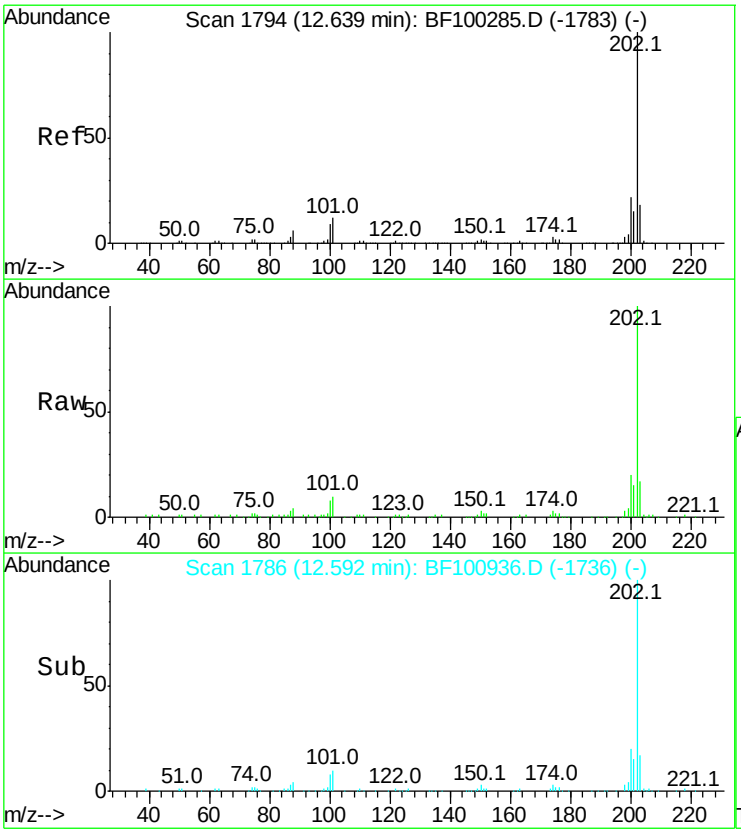

#71
Anthracene
Concen: 2.945 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:178 Resp: 23680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 13.8 | 12.6 | 19.0 |

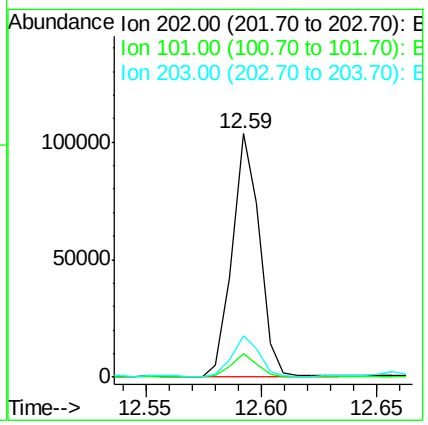


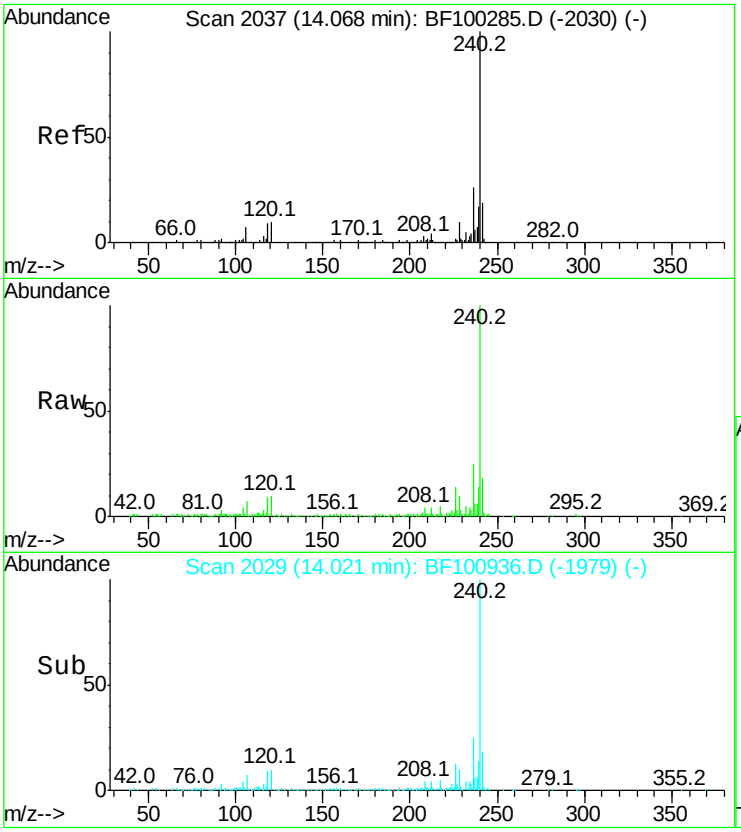




#74
Fluoranthene
Concen: 10.232 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:202 Resp: 85945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 34.1 |
| 203 | 17.2 | 0.0 | 38.1 |



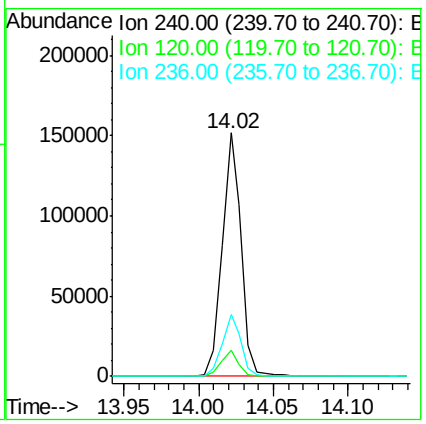


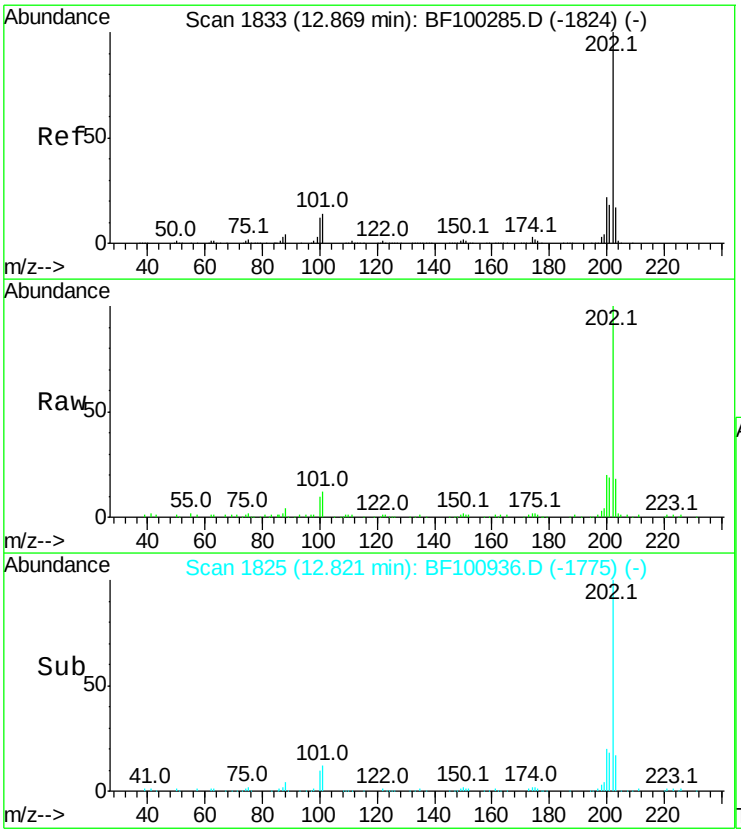

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:240 Resp: 136171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 9.5 | 14.3 |
| 236 | 25.2 | 20.7 | 31.1 |

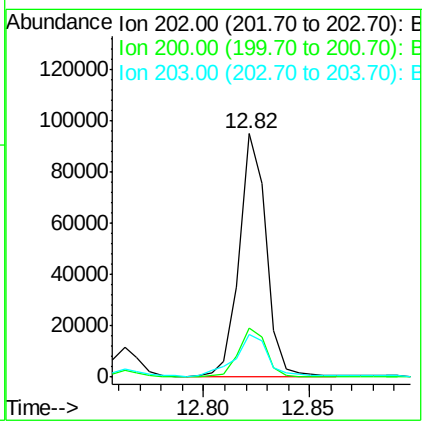


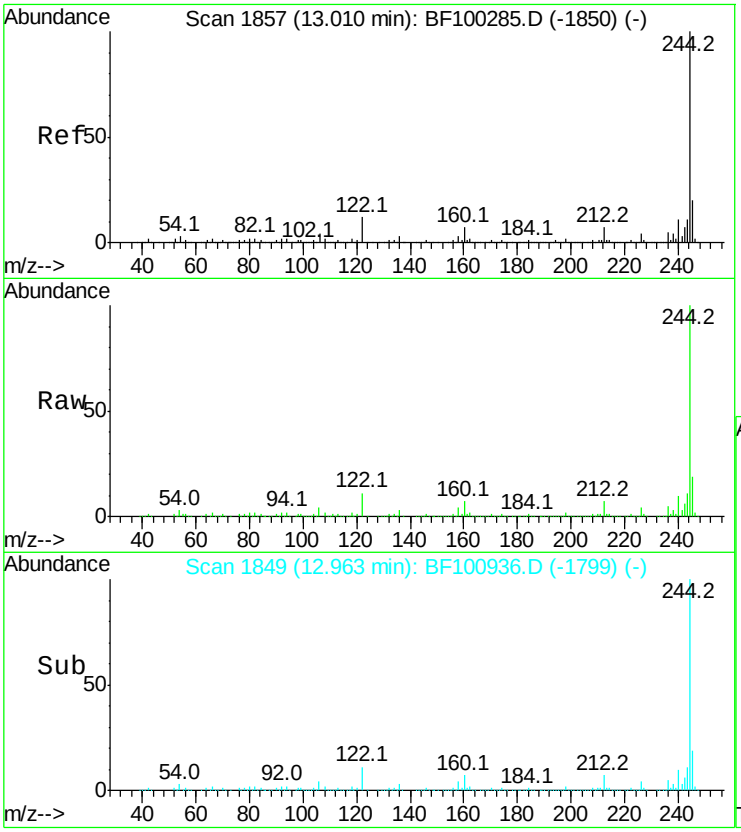




#77
Pyrene
Concen: 8.534 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:202 Resp: 82842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 17.4 | 26.2 |
| 203 | 17.8 | 14.3 | 21.5 |



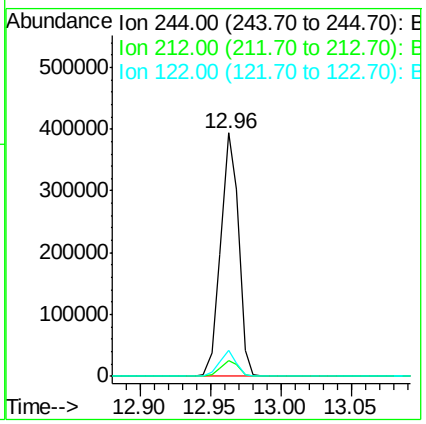


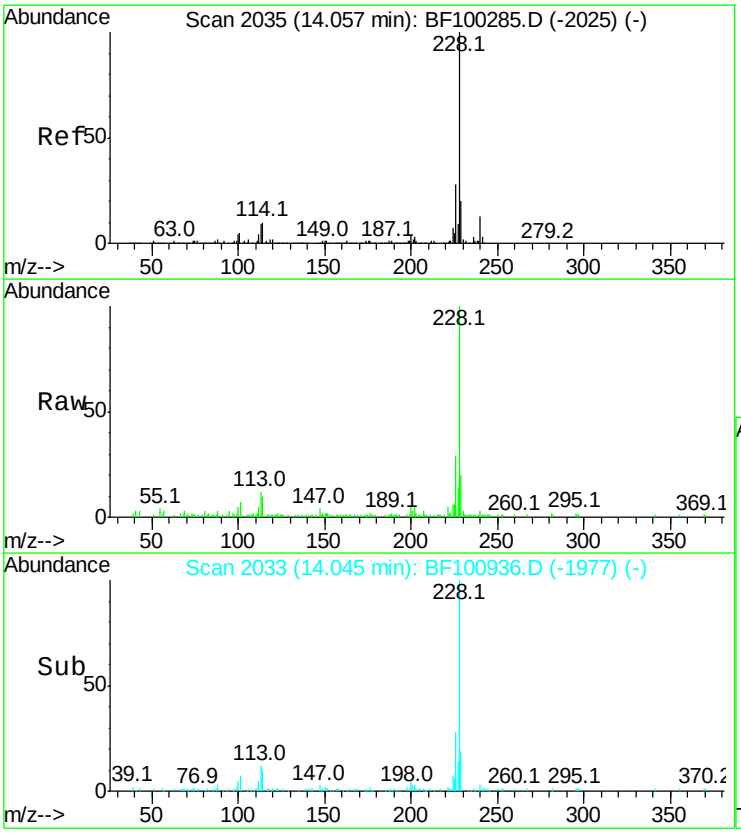

#78
Terphenyl-d14
Concen: 58.879 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:244 Resp: 348937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 10.5 | 11.0 | 16.4# |

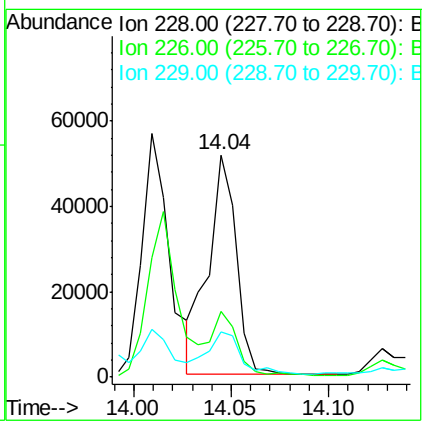


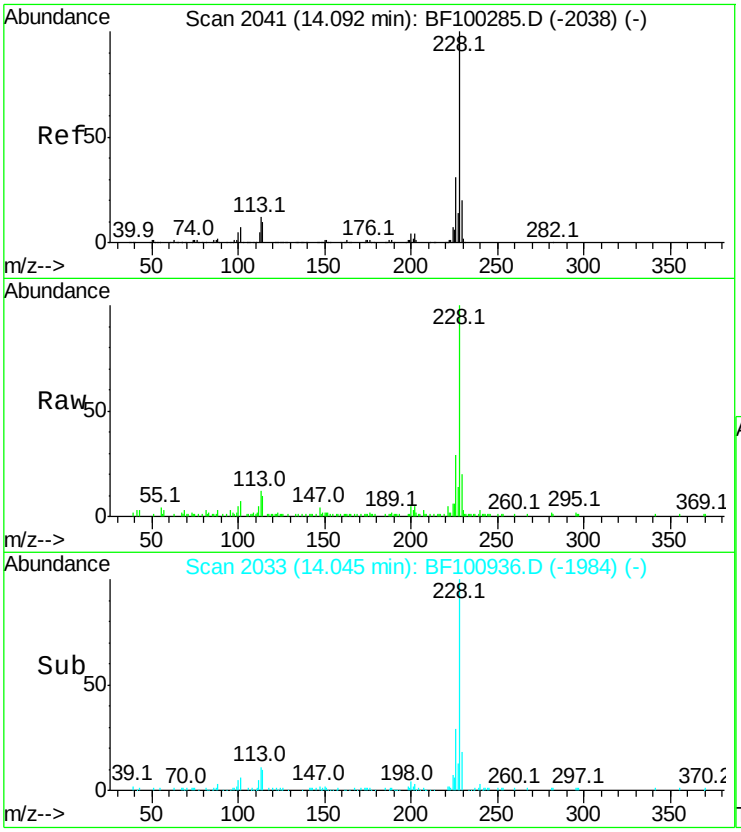




#80
Benzo(a)anthracene
Concen: 6.311 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.03 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:228 Resp: 51755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 22.6 | 33.8 |
| 229 | 20.4 | 15.8 | 23.6 |



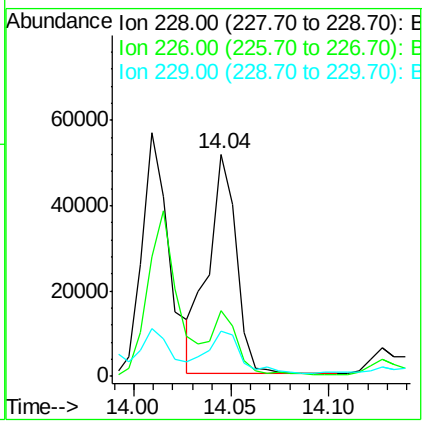


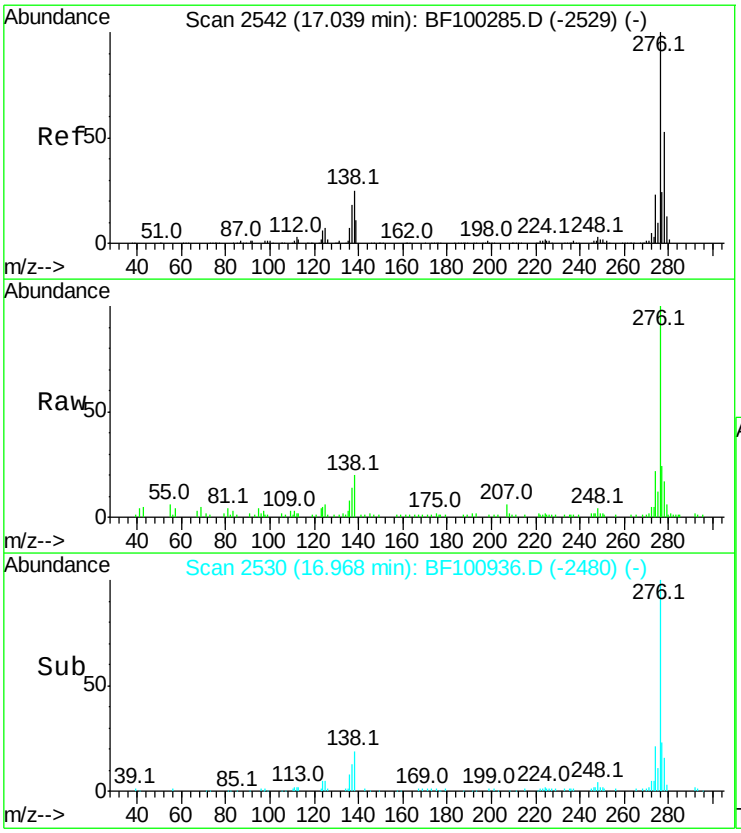

#82
Chrysene
Concen: 6.518 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:228 Resp: 51755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 25.0 | 37.6 |
| 229 | 20.4 | 16.2 | 24.4 |

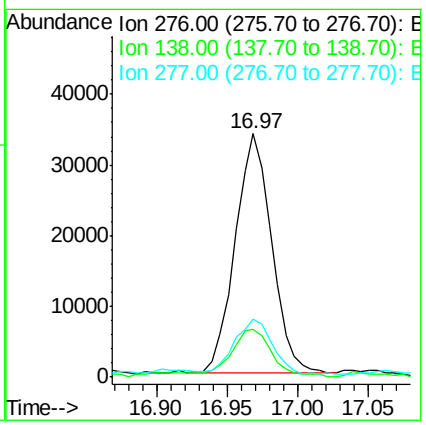


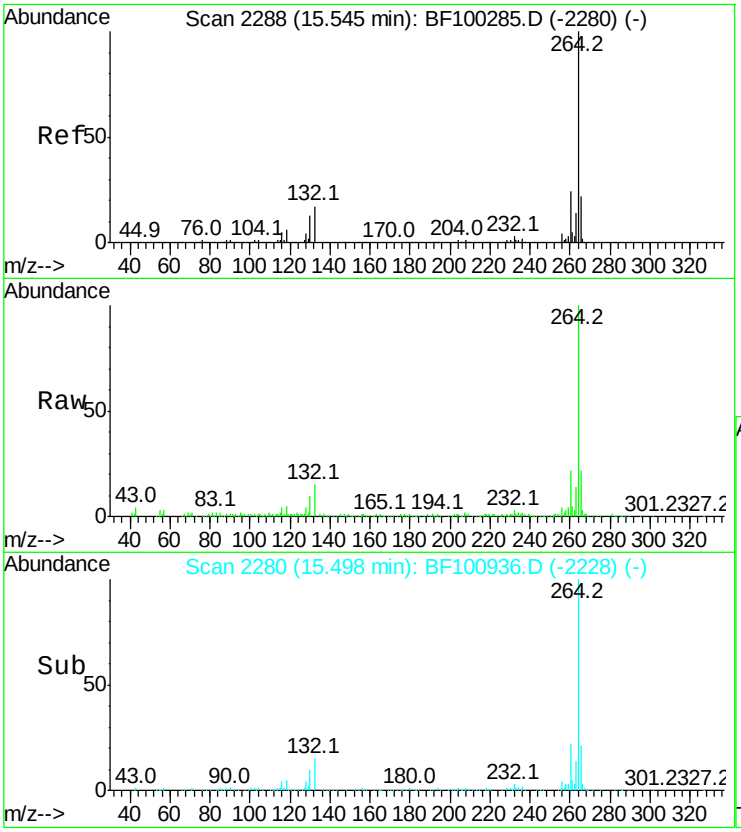




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.521 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:276 Resp: 61154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.0 | 25.0 | 37.6# |
| 277 | 24.2 | 20.1 | 30.1 |



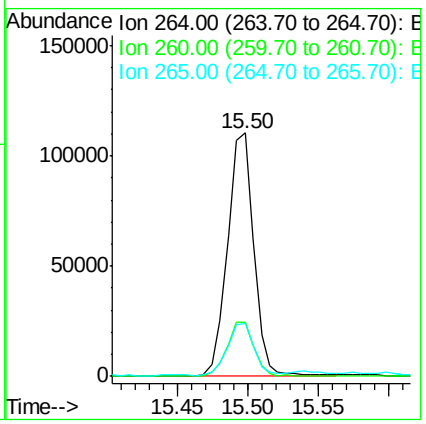


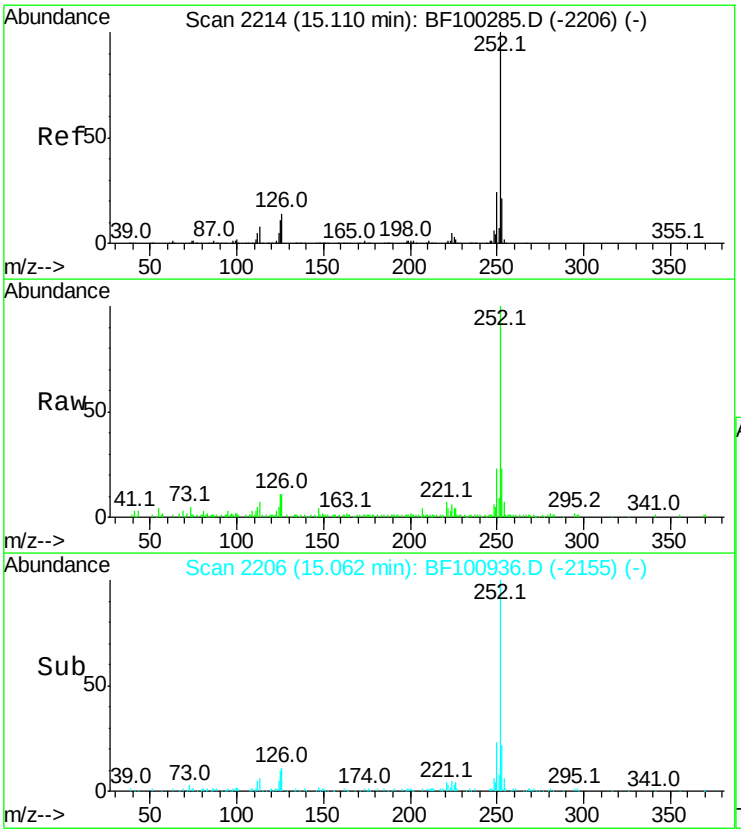

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:264 Resp: 143927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 19.2 | 28.8 |
| 265 | 21.5 | 17.5 | 26.3 |

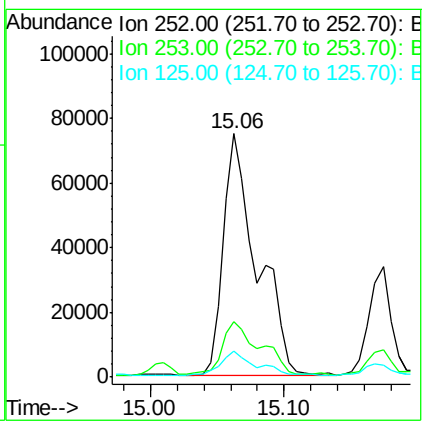


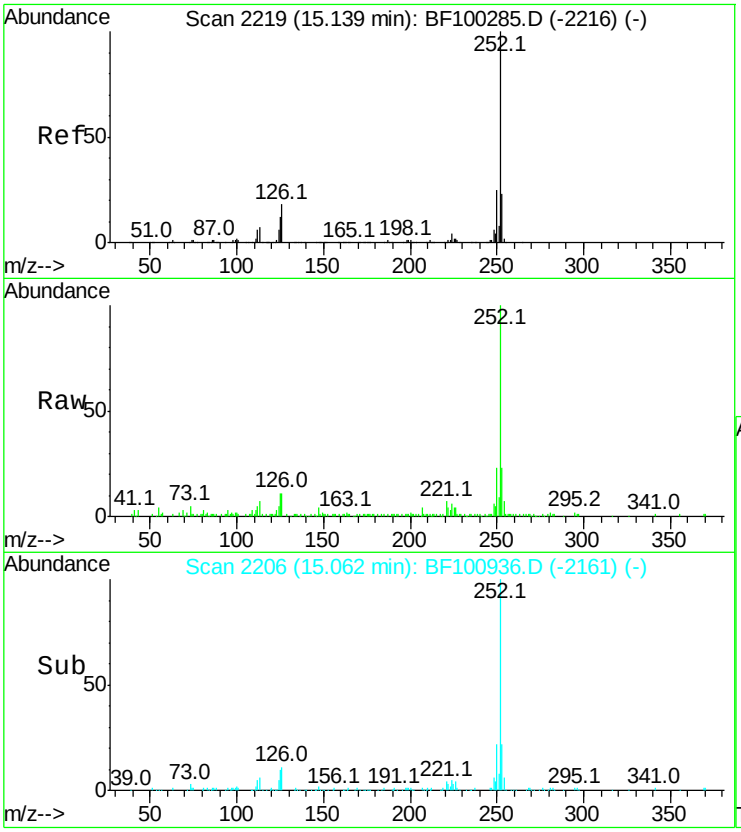




#87
Benzo(b)fluoranthene
Concen: 15.551 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:252 Resp: 132604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.0 | 25.6 |
| 125 | 10.7 | 9.0 | 13.6 |



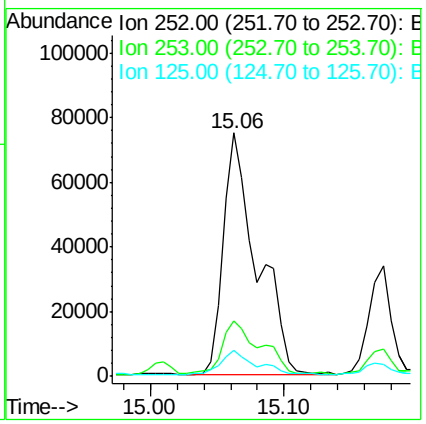


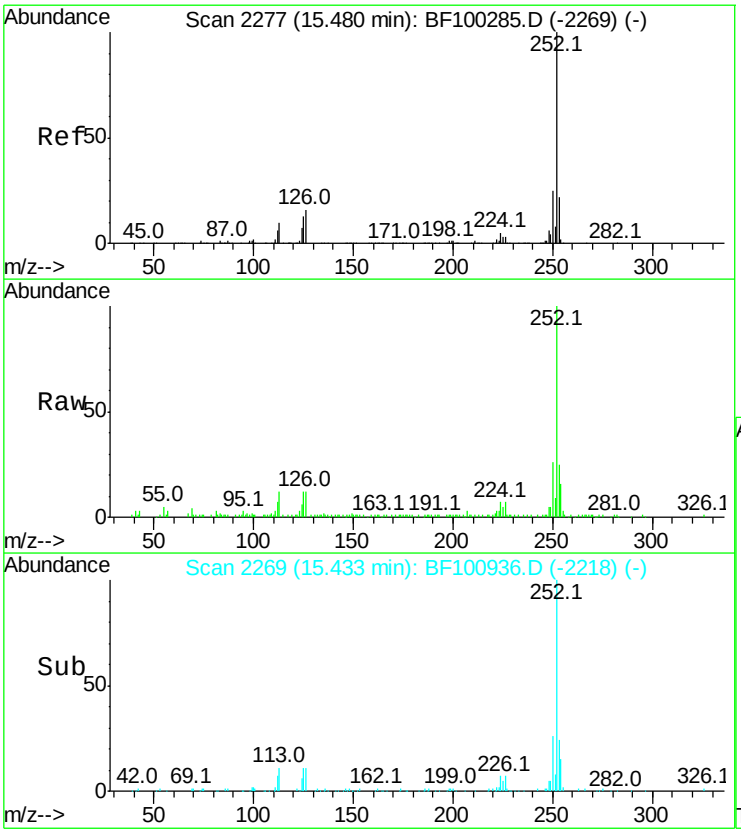

#88
Benzo(k)fluoranthene
Concen: 16.459 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:252 Resp: 132604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.9 | 26.9 |
| 125 | 10.7 | 10.2 | 15.2 |

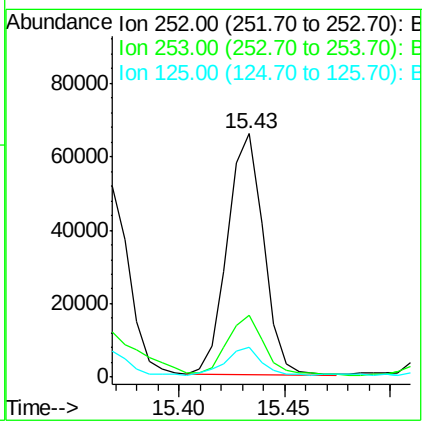


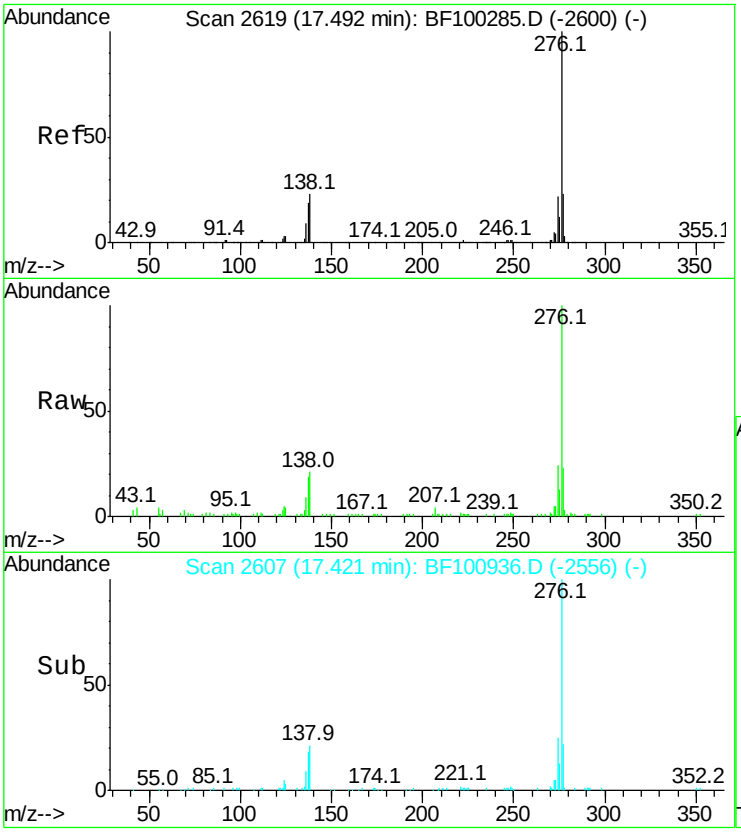




#89
Benzo(a)pyrene
Concen: 10.311 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

Tgt Ion:252 Resp: 77945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 17.1 | 25.7 |
| 125 | 12.1 | 9.8 | 14.6 |






#91
Benzo(g,h,i)perylene
Concen: 15.853 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.00 min
Lab File: BF100936.D
Acq: 28 Nov 2017 16:19

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

Tgt Ion:276 Resp: 95939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.6 | 17.9 | 26.9 |
| 138 | 21.4 | 21.8 | 32.8# |