Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 01 00:04:50 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 157238 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 685723 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 278083 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 397791 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.05 | 240 | 258968 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.55 | 264 | 269798 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1349444 | 129.80 | ng | | 0.01 |
| 7) Phenol-d6 | 6.52 | 99 | 1641324 | 129.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1081463 | 90.07 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 270177 | 114.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1328854 | 81.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 850976 | 78.99 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.44 | 77 | 1217 | Below Cal | | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.44 | 70 | 148324 | 18.734 | ng | # | 85 |
| 25) Isophorone | 7.44 | 82 | 1079371 | 45.642 | ng | # | 64 |
| 31) Naphthalene | 8.17 | 128 | 318873 | 9.498 | ng | | 99 |
| 32) Benzoic acid | 8.17 | 122 | 616 | 6.988 | ng | # | 1 |
| 33) 4-Chloroaniline | 8.17 | 127 | 40495 | 2.795 | ng | # | 32 |
| 49) Dimethylphthalate | 9.62 | 163 | 200564 | 8.991 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.91 | 165 | 36752 | 6.207 | ng | # | 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198 | 568 | 5.156 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.71 | 248 | 17513 | 4.226 | ng | # | 1 |
| 70) Phenanthrene | 11.43 | 178 | 130425 | 5.958 | ng | | 98 |
| 74) Fluoranthene | 12.62 | 202 | 217812 | 9.901 | ng | | 99 |
| 77) Pyrene | 12.85 | 202 | 222044 | 10.997 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 136903 | 8.148 | ng | | 99 |
| 82) Chrysene | 14.08 | 228 | 128115 | 7.853 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 179882 | 13.927 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.12 | 252 | 419036 | 23.622 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 419036 | 25.086 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.49 | 252 | 256496 | 16.192 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 17.07 | 278 | 35222 | 2.877 | ng | # | 77 |
| 91) Benzo(g,h,i)perylene | 17.54 | 276 | 186062 | 15.553 | ng | | 97 |

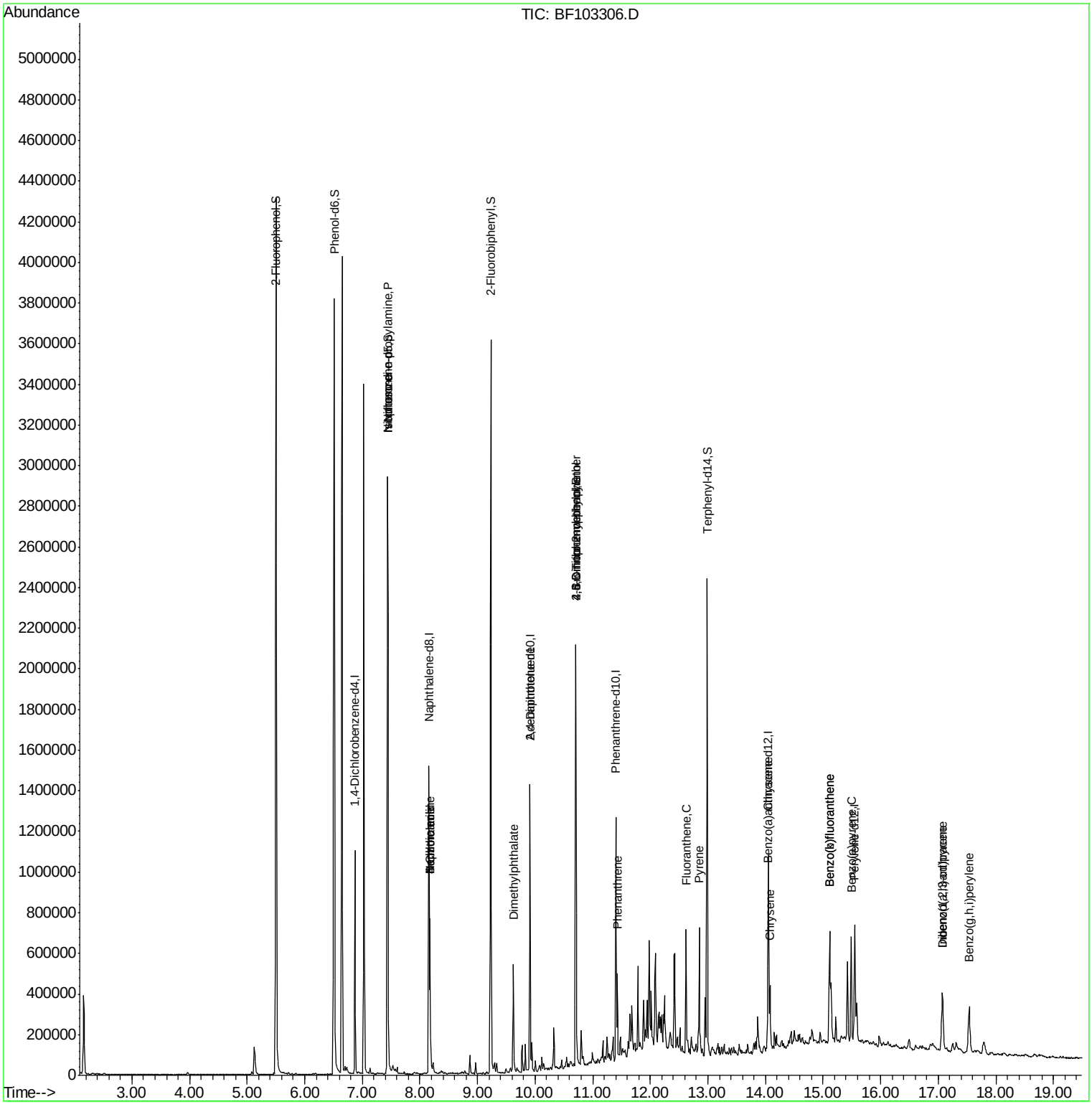
(#) = qualifier out of range (m) = manual integration (+) = signals summed

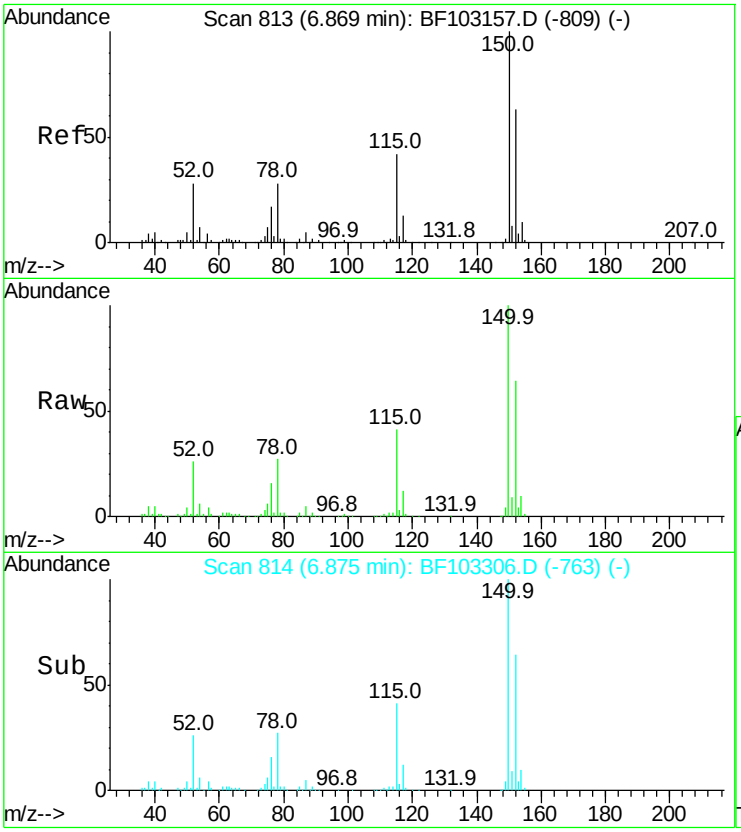
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 01 00:04:50 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
Response via : Initial Calibration



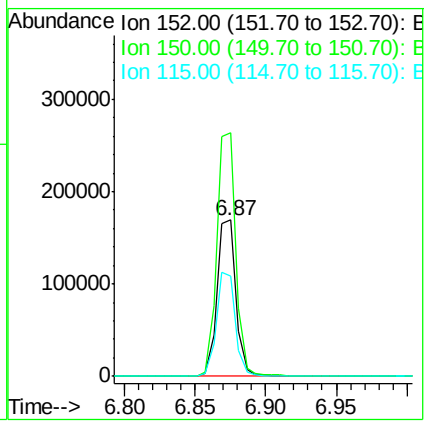


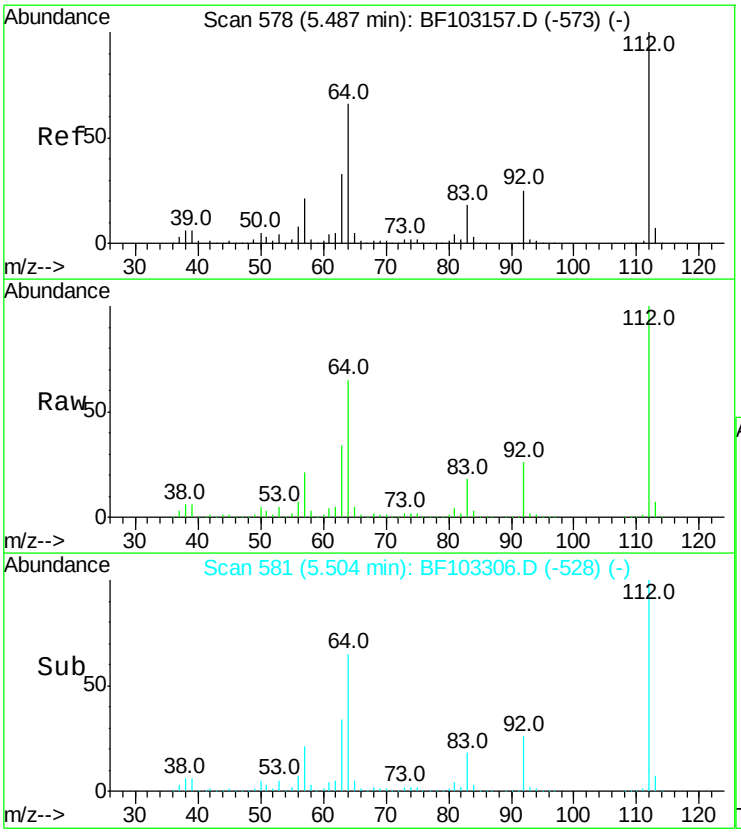

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:152 Resp: 157238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 124.6 | 186.8 |
| 115 | 63.8 | 50.1 | 75.1 |

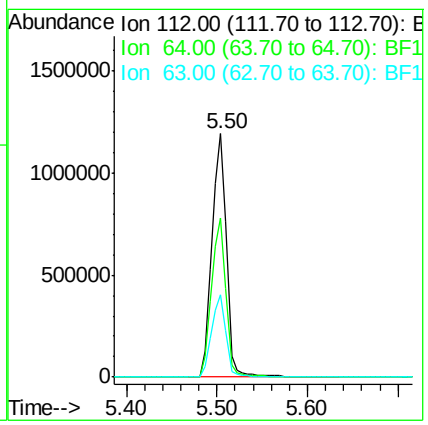


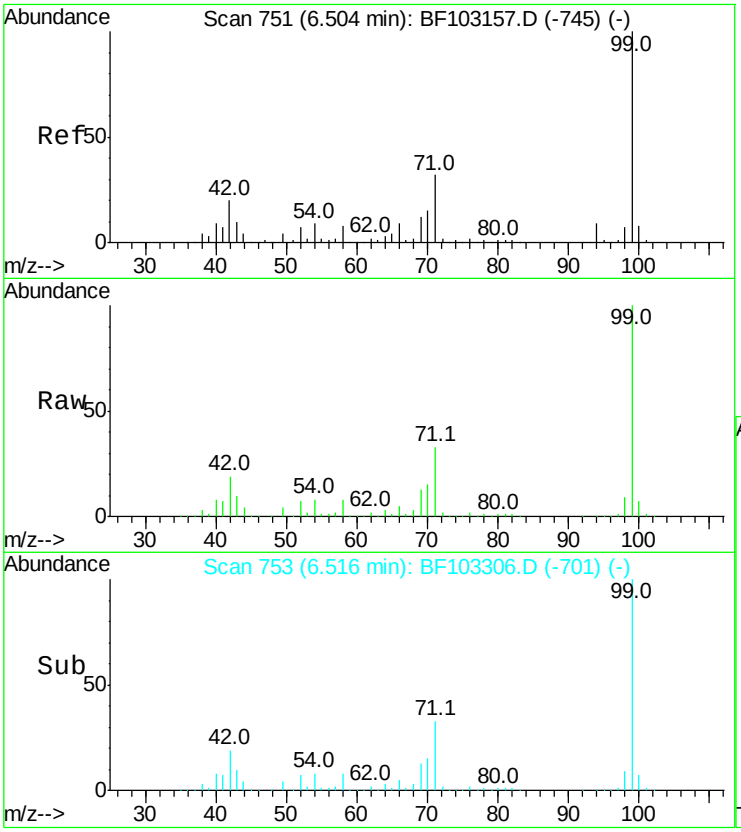




#5
2-Fluorophenol
Concen: 129.799 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:112 Resp: 1349444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.2 | 47.9 | 71.9 |
| 63 | 34.0 | 23.7 | 35.5 |



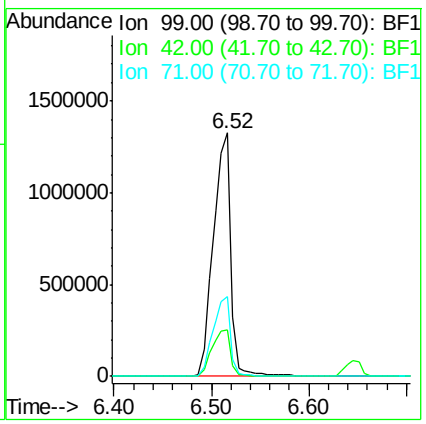


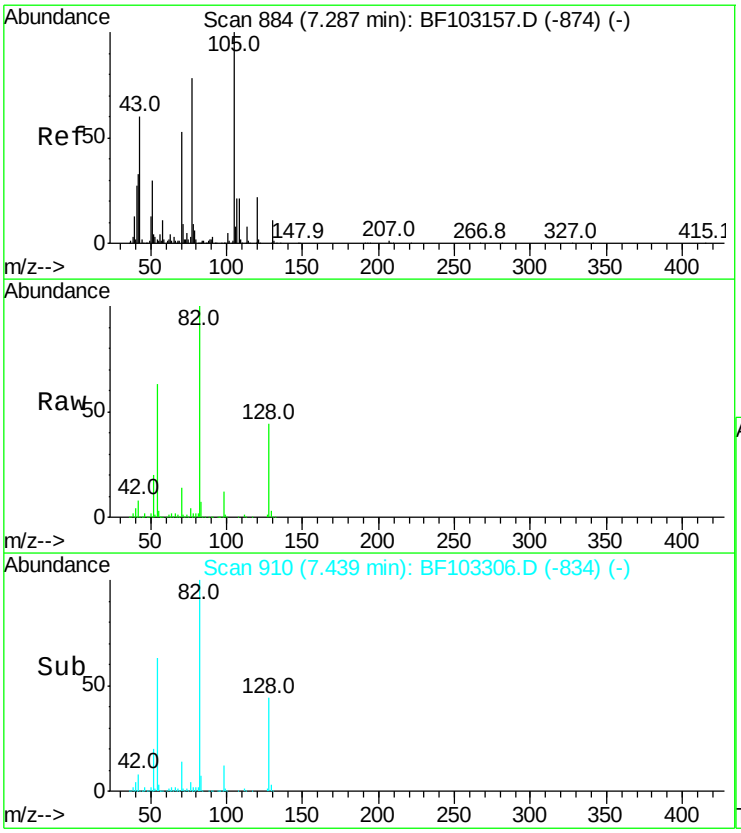

#7
Phenol-d6
Concen: 129.019 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion: 99 Resp: 1641324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 14.5 | 21.7 |
| 71 | 32.5 | 25.4 | 38.0 |

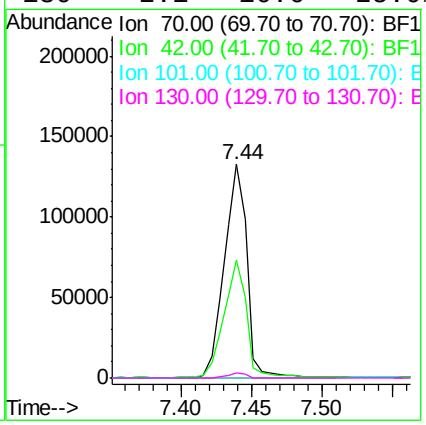


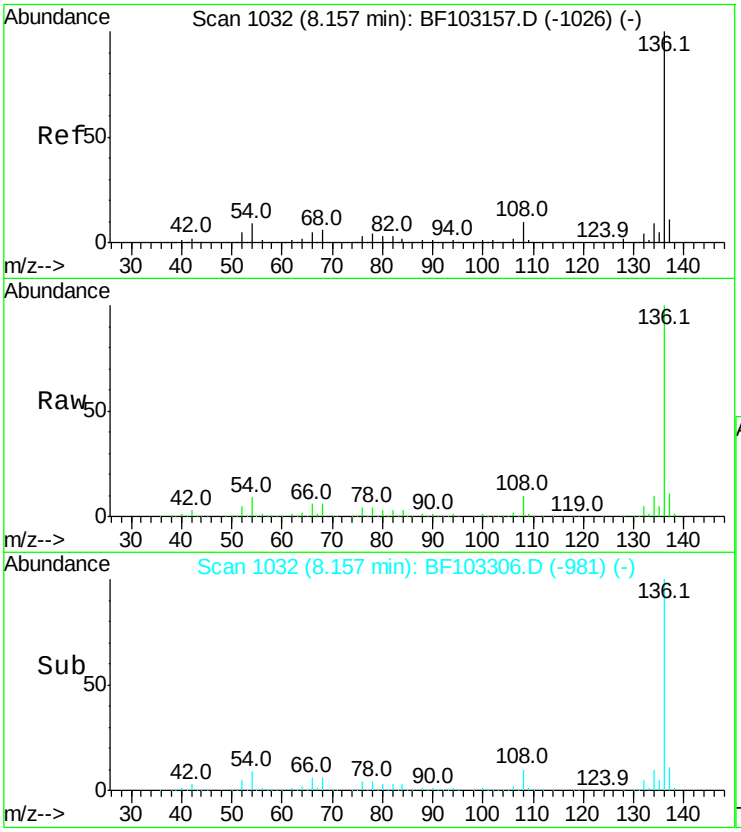




#19
n-Nitroso-di-n-propylamine
Concen: 18.734 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion: 70 Resp: 148324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.4 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.1 | 16.6 | 25.0# |



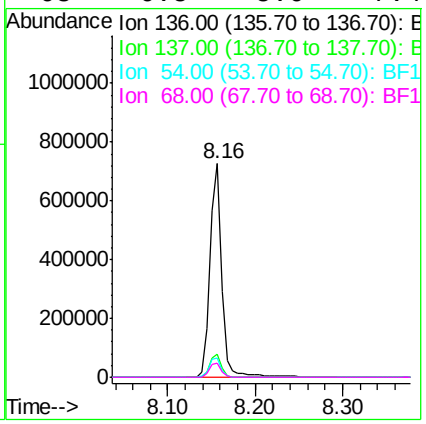


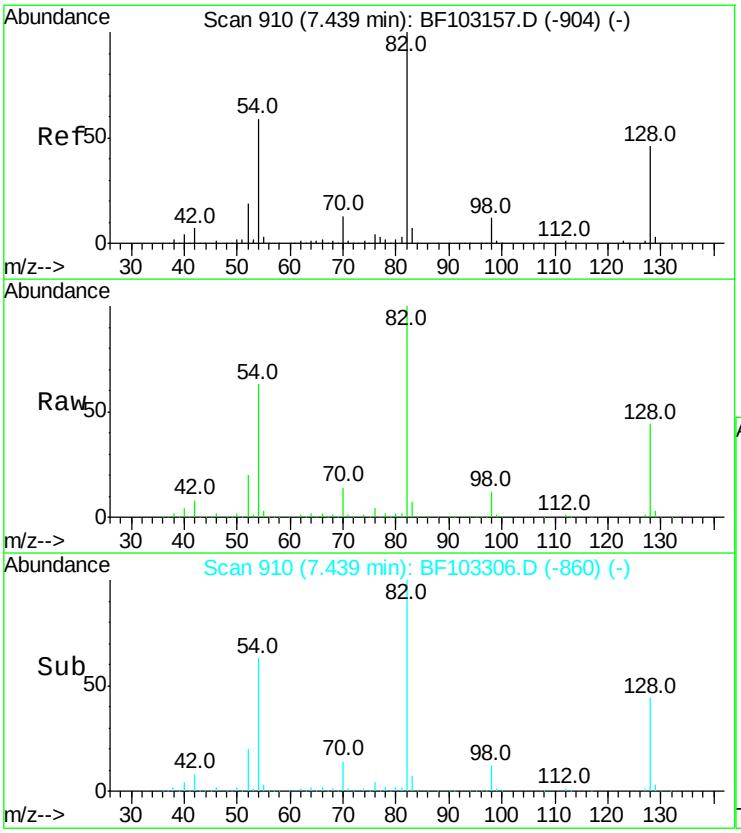

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:136 Resp: 685723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 9.1 | 6.6 | 9.8 |
| 68 | 6.5 | 5.0 | 7.4 |

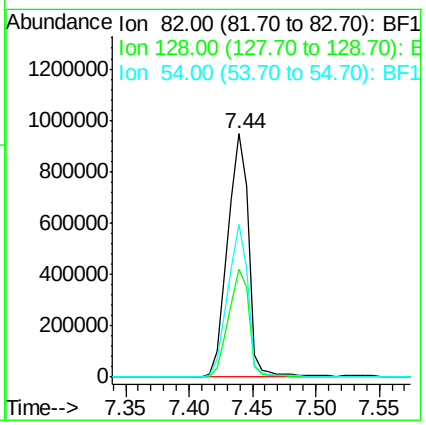


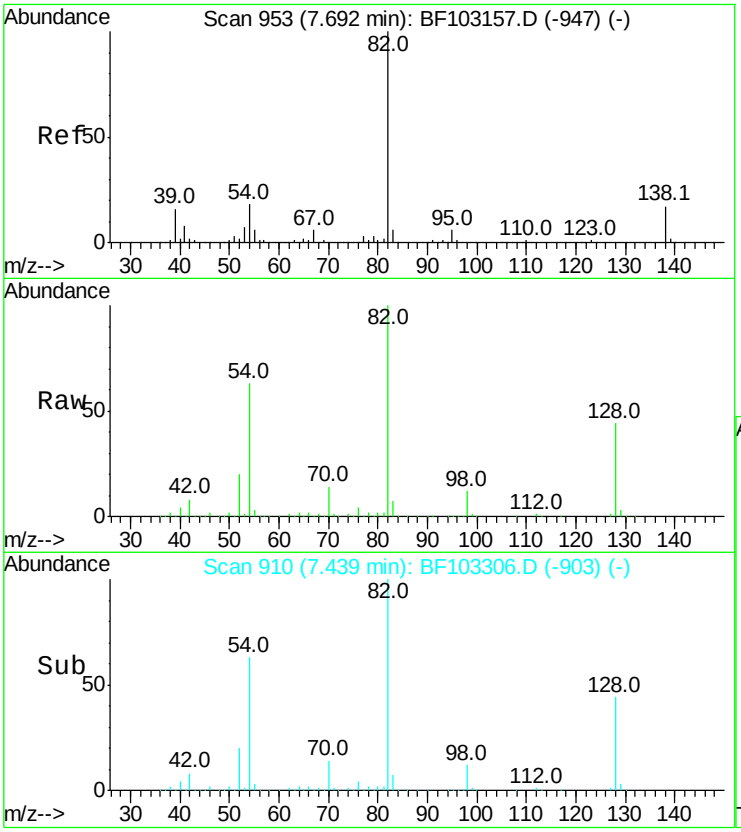




#23
Nitrobenzene-d5
Concen: 90.066 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion: 82 Resp: 1081463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 36.1 | 54.1 |
| 54 | 62.6 | 41.4 | 62.2# |



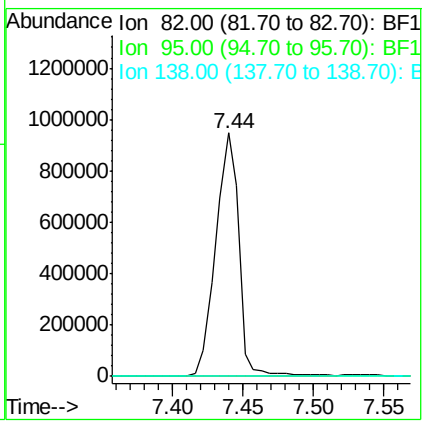


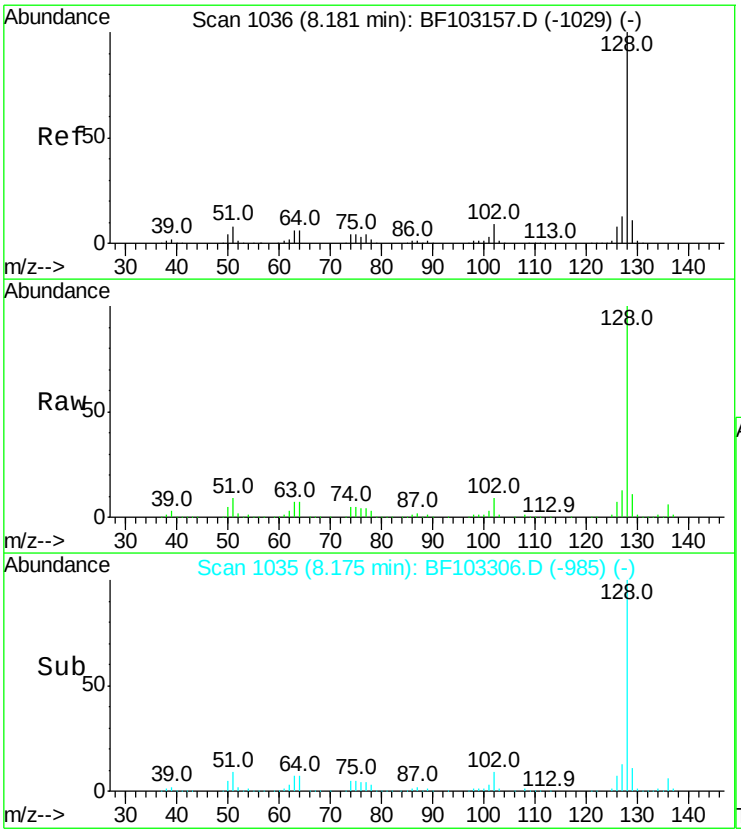

#25
Isophorone
Concen: 45.642 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion: 82 Resp: 1079371

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

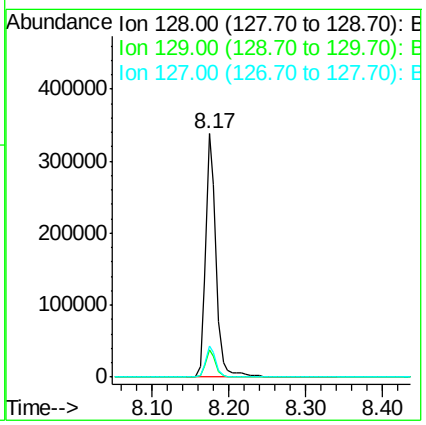


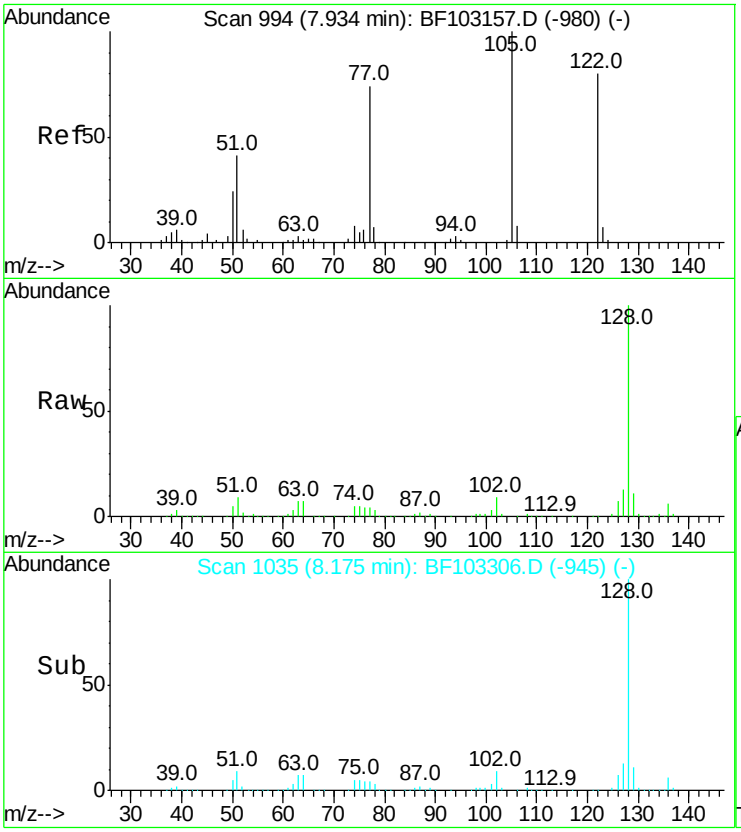




#31
Naphthalene
Concen: 9.498 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:128 Resp: 318873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 12.9 | 10.9 | 16.3 |



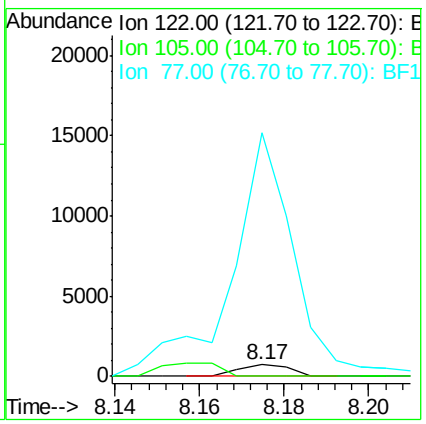


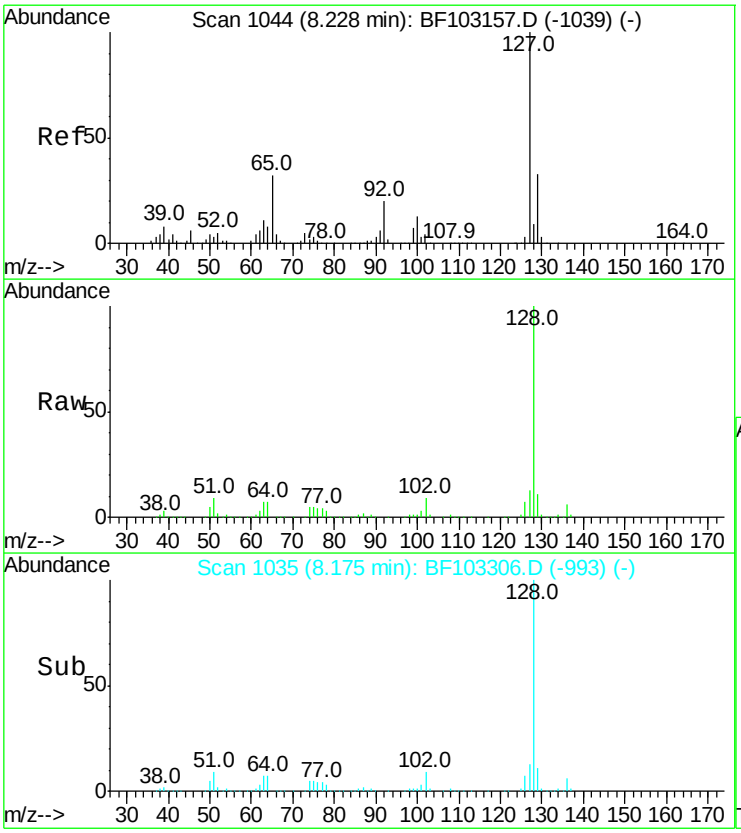

#32
Benzoic acid
Concen: 6.988 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.23 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:122 Resp: 616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 2097.4 | 70.7 | 110.7# |

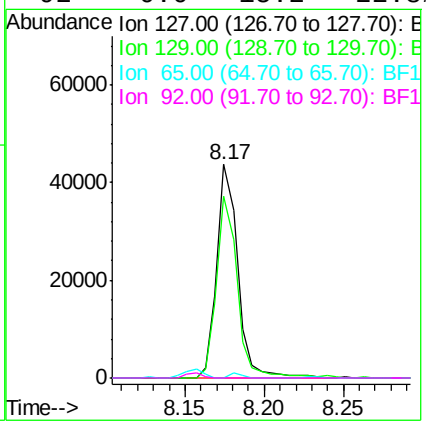


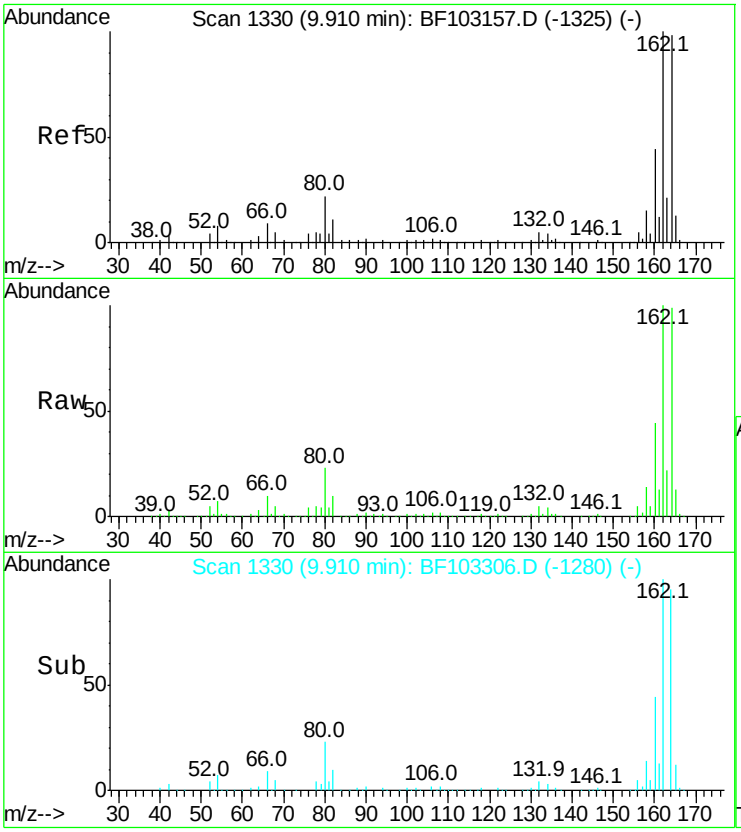




#33
4-Chloroaniline
Concen: 2.795 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:127 Resp: 40495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 85.1 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.0 | 15.2 | 22.8# |



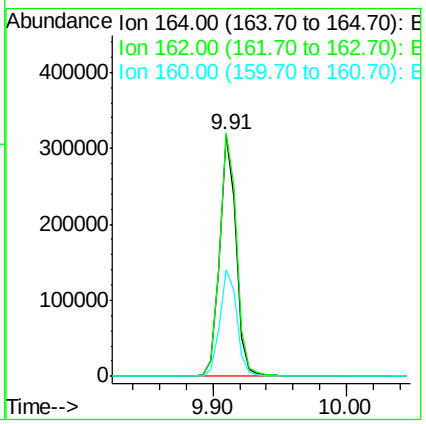


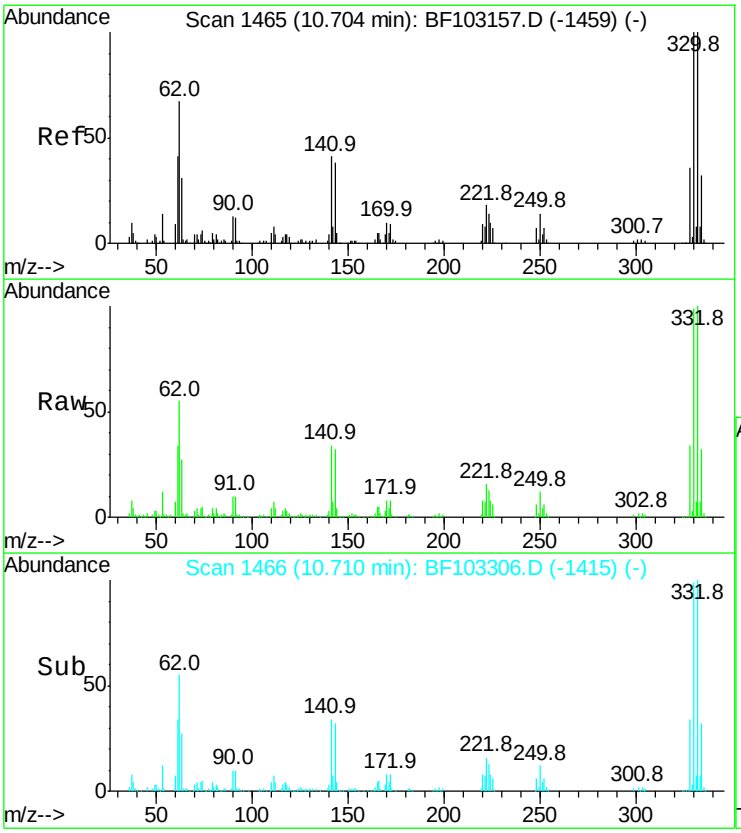

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:164 Resp: 278083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 86.1 | 129.1 |
| 160 | 44.1 | 38.3 | 57.5 |

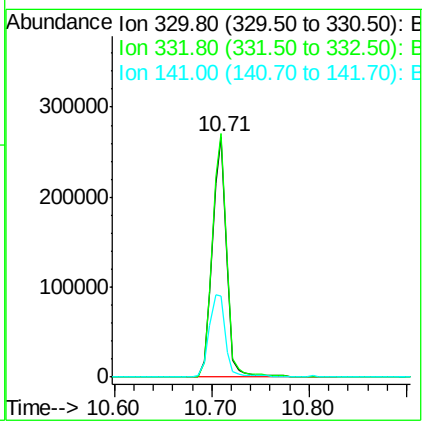


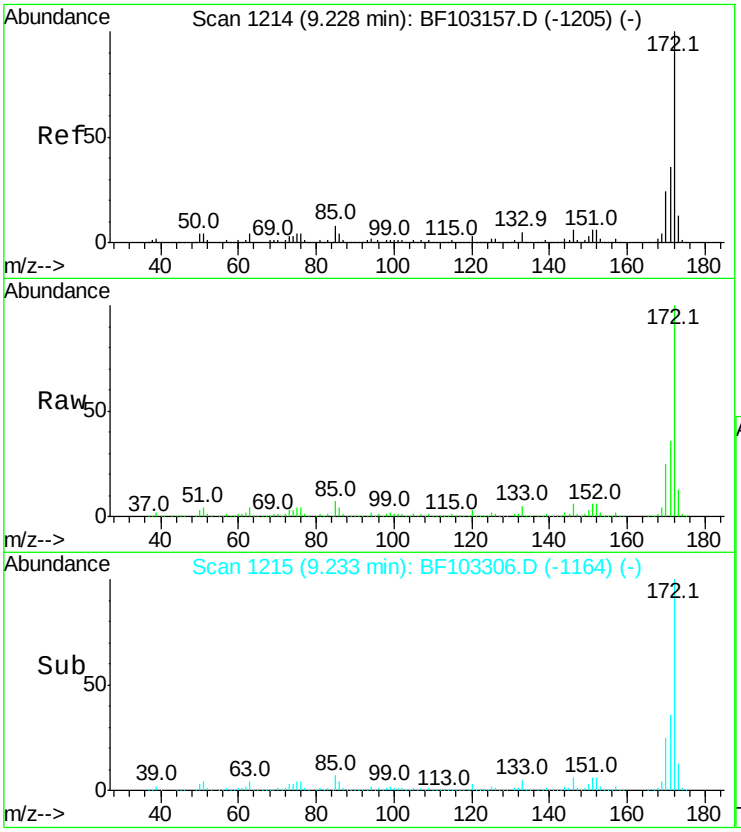




#41
2,4,6-Tribromophenol
Concen: 114.782 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:330 Resp: 270177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 103.3 | 77.0 | 115.6 |
| 141 | 40.4 | 29.9 | 44.9 |



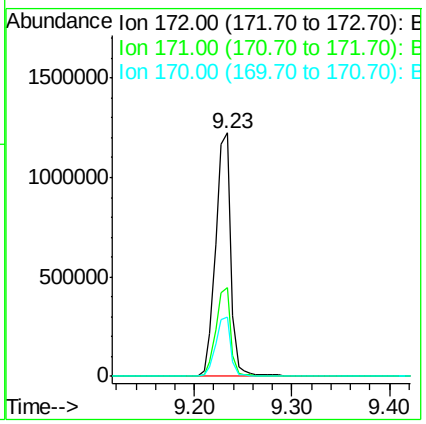


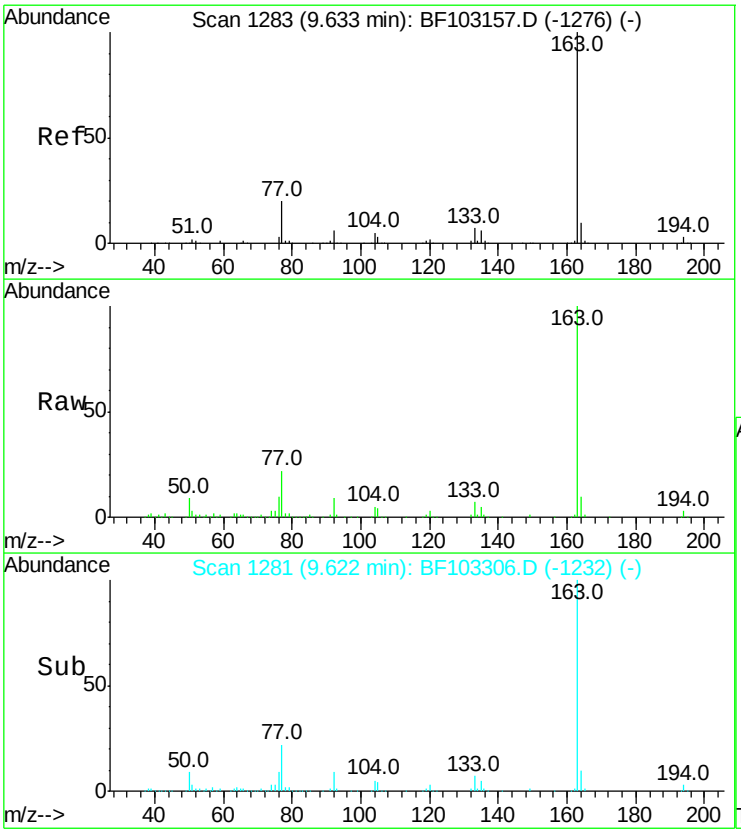

#44
2-Fluorobiphenyl
Concen: 81.507 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:172 Resp: 1328854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 29.7 | 44.5 |
| 170 | 24.5 | 19.6 | 29.4 |

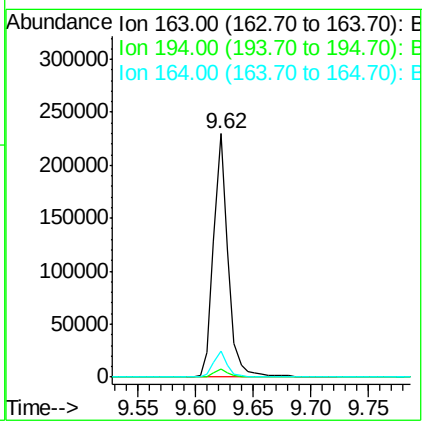


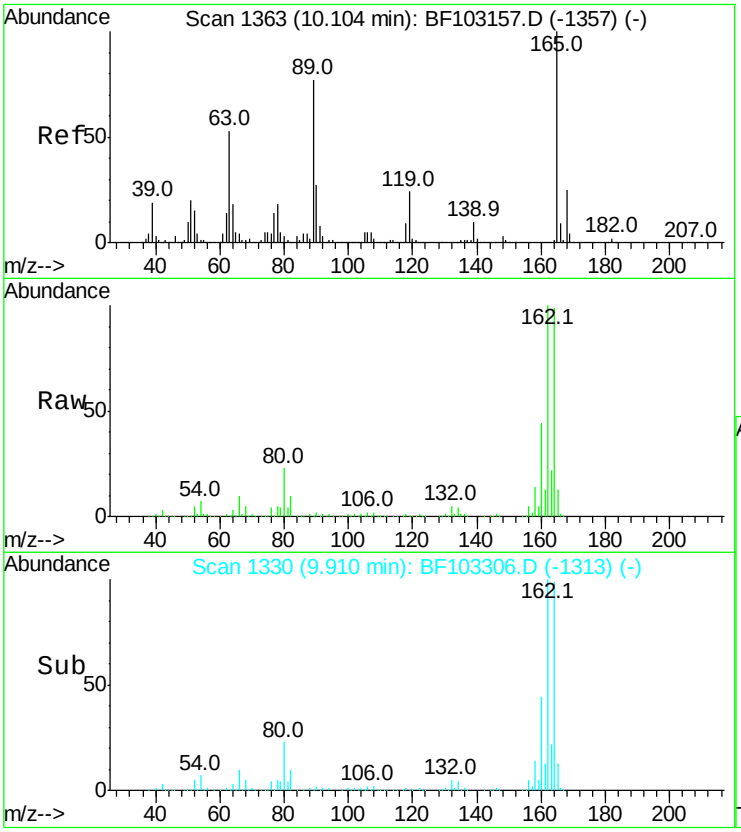




#49
Dimethylphthalate
Concen: 8.991 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:163 Resp: 200564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.7 | 4.1 |
| 164 | 10.5 | 8.2 | 12.2 |



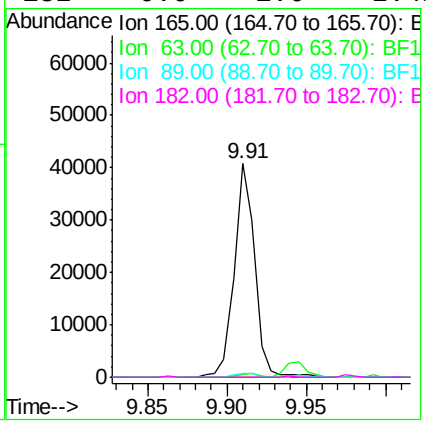


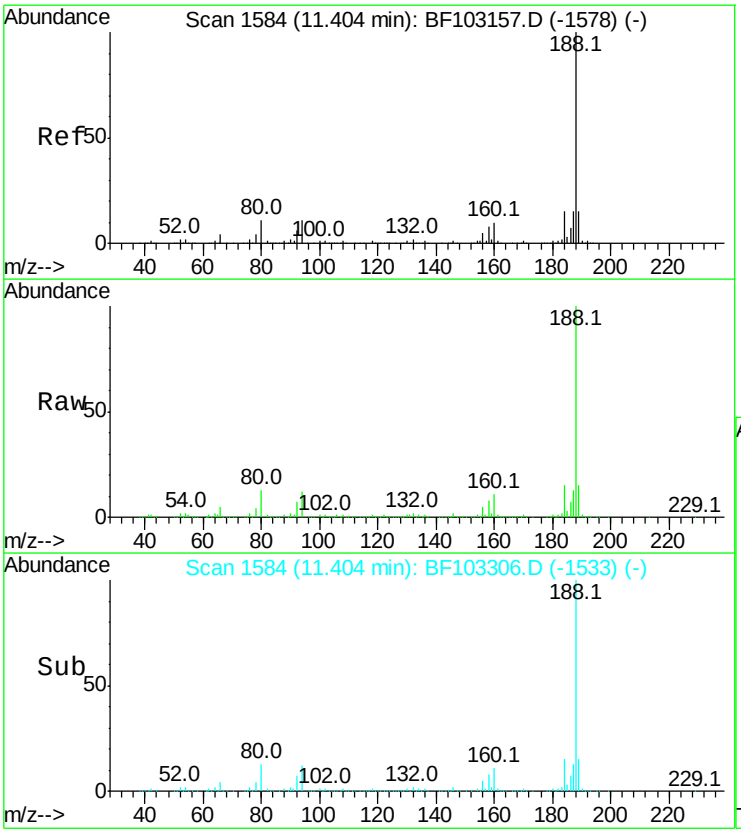

#56
2,4-Dinitrotoluene
Concen: 6.207 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:165 Resp: 36752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 36.4 | 54.6# |
| 89 | 1.5 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

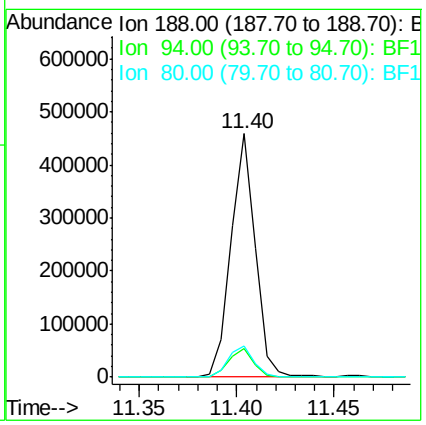


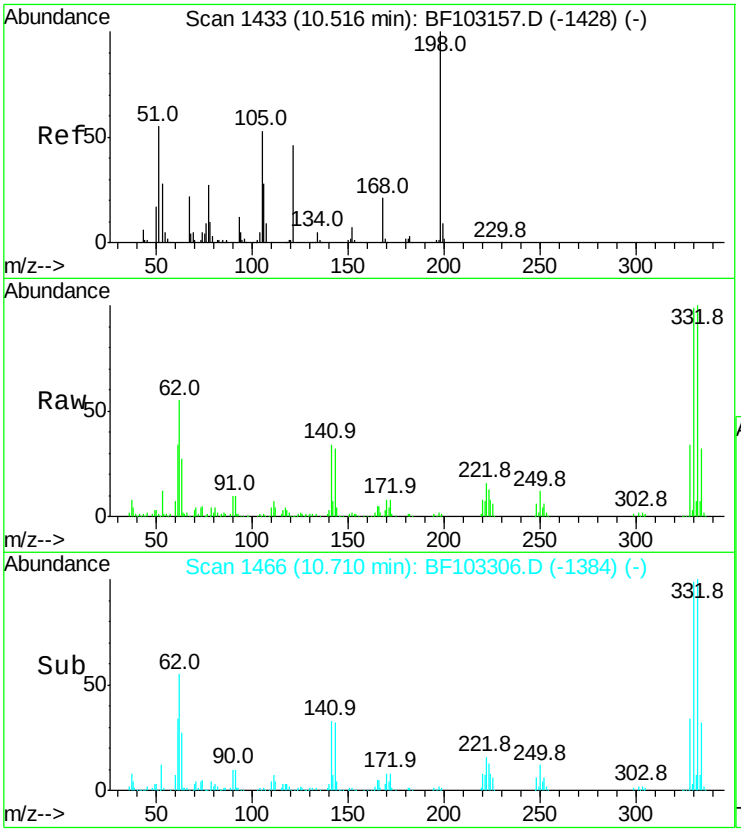




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:188 Resp: 397791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.8 | 8.5 | 12.7 |
| 80 | 12.8 | 9.2 | 13.8 |



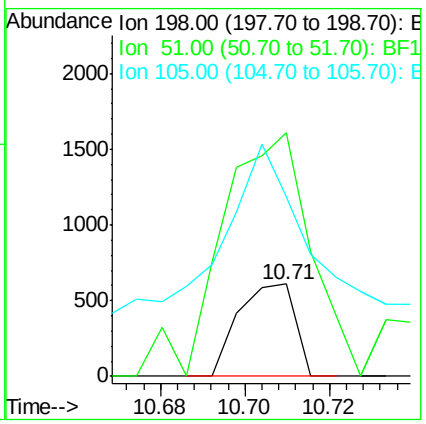


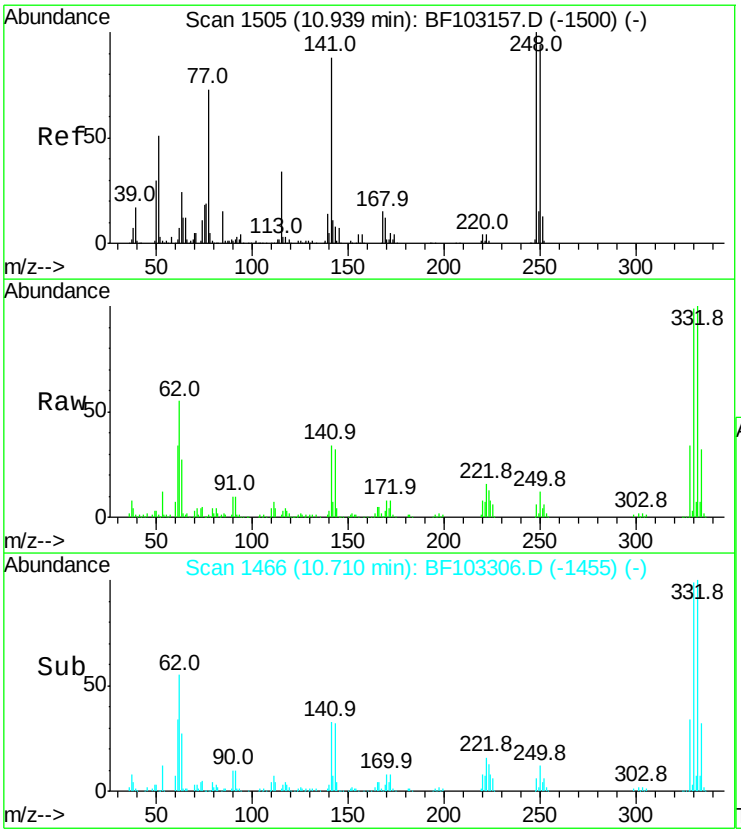

#64
4,6-Dinitro-2-methylphenol
Concen: 5.156 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:198 Resp: 568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 264.5 | 37.7 | 77.7# |
| 105 | 195.4 | 36.3 | 76.3# |

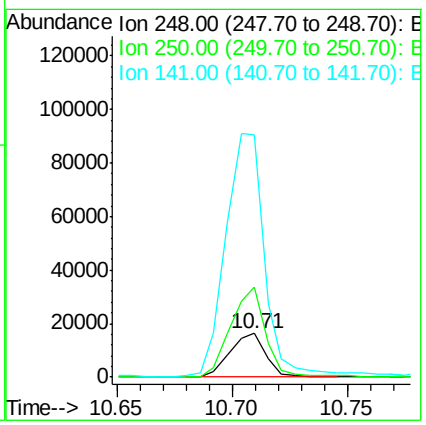


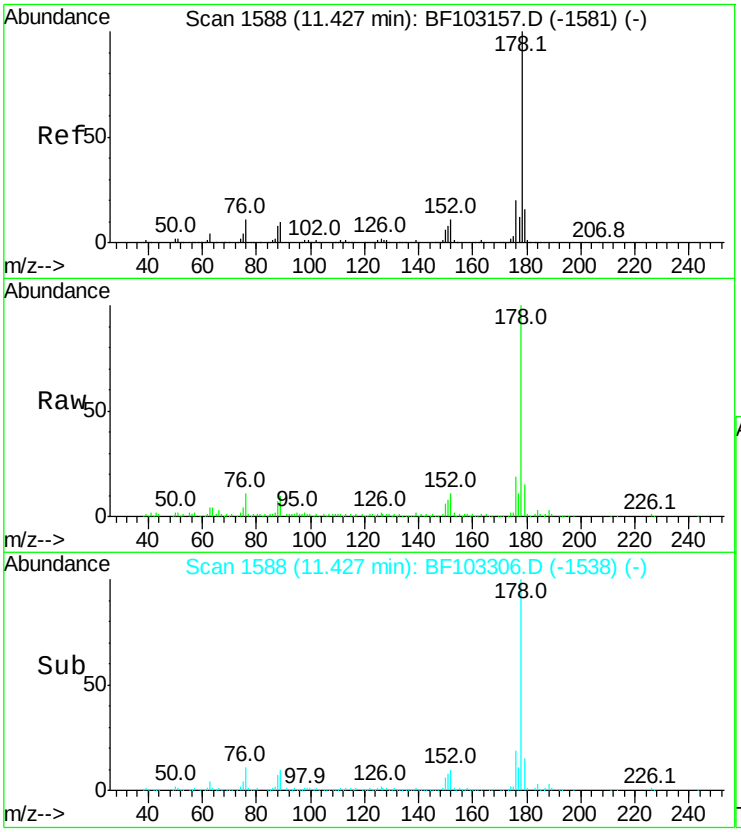




#66
4-Bromophenyl-phenylether
Concen: 4.226 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:248 Resp: 17513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 206.8 | 76.9 | 115.3# |
| 141 | 560.6 | 74.4 | 111.6# |



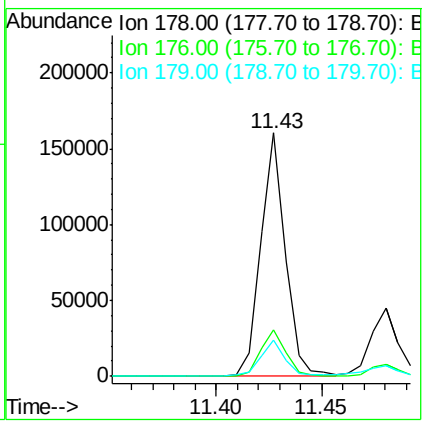


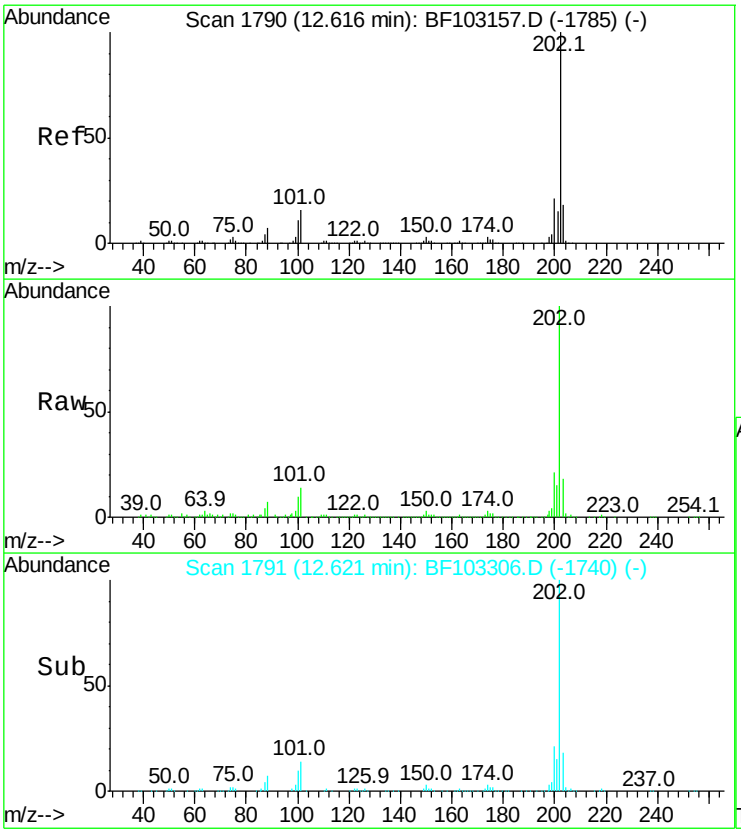

#70
Phenanthrene
Concen: 5.958 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:178 Resp: 130425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.8 | 23.8 |
| 179 | 15.1 | 13.0 | 19.6 |

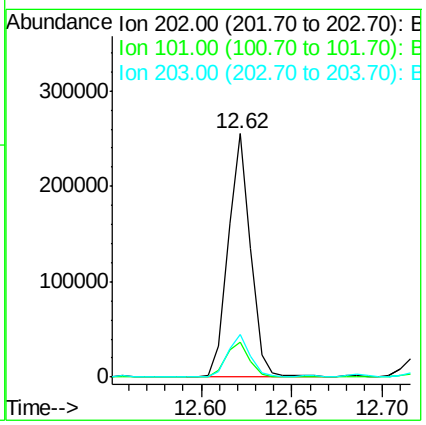


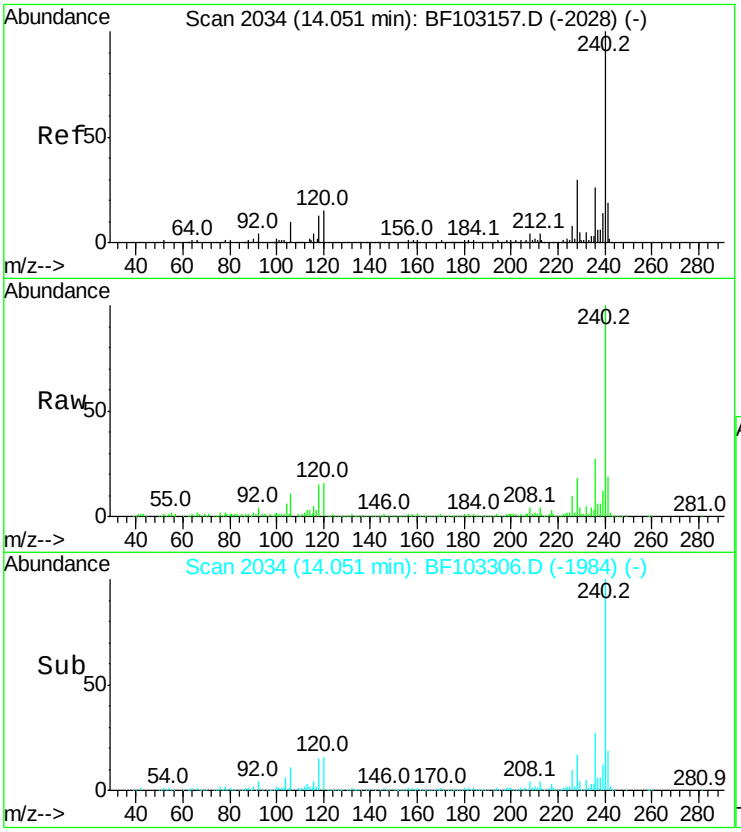




#74
Fluoranthene
Concen: 9.901 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:202 Resp: 217812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 0.0 | 34.1 |
| 203 | 17.5 | 0.0 | 38.1 |



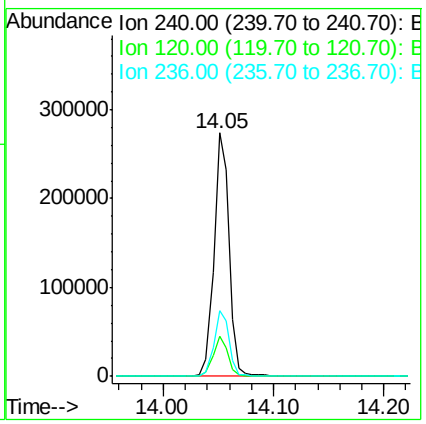


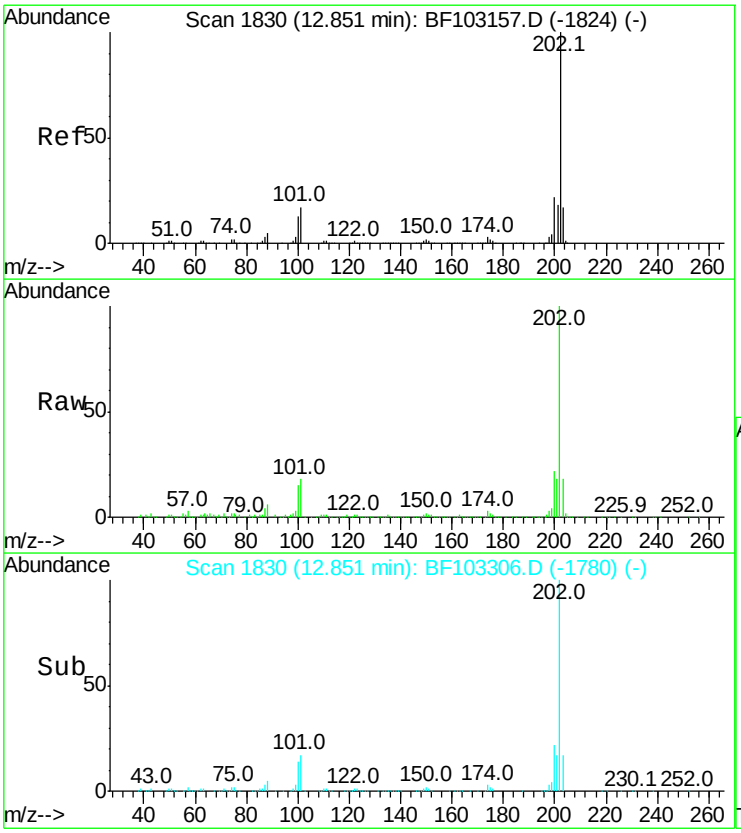

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:240 Resp: 258968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.3 | 9.5 | 14.3# |
| 236 | 27.1 | 20.7 | 31.1 |

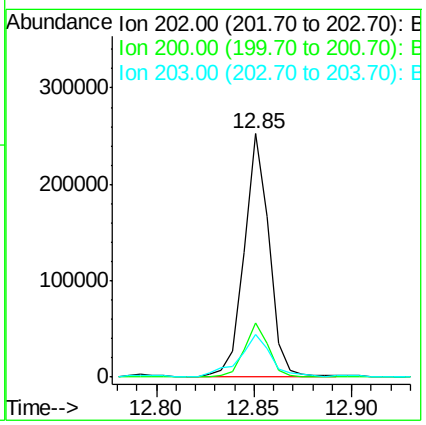


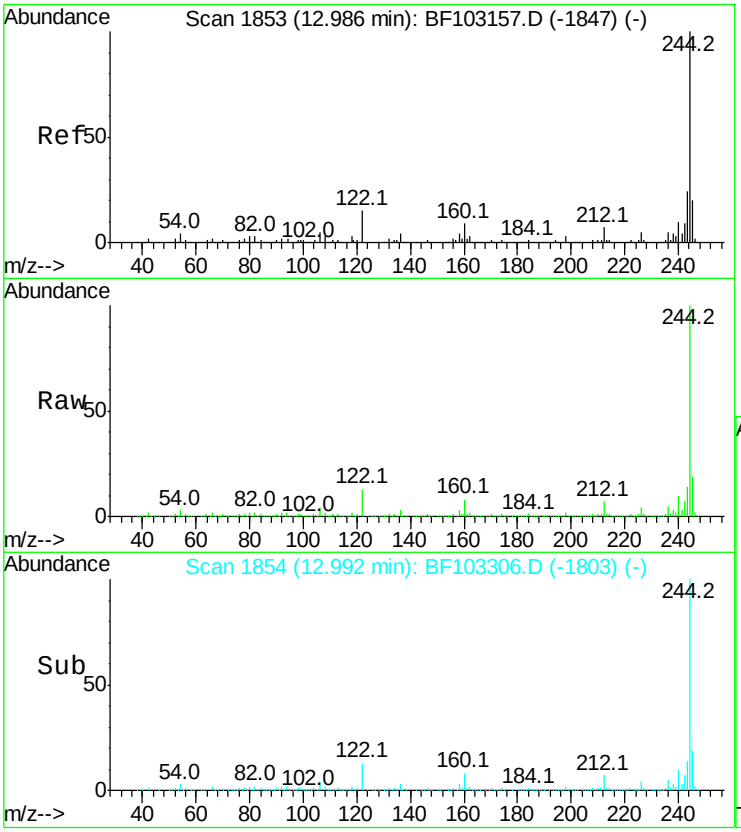




#77
Pyrene
Concen: 10.997 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:202 Resp: 222044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.2 | 17.4 | 26.2 |
| 203 | 17.6 | 14.3 | 21.5 |



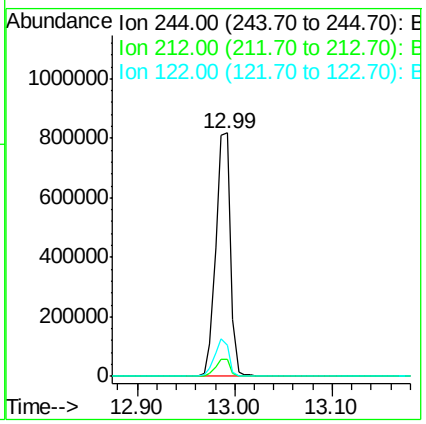


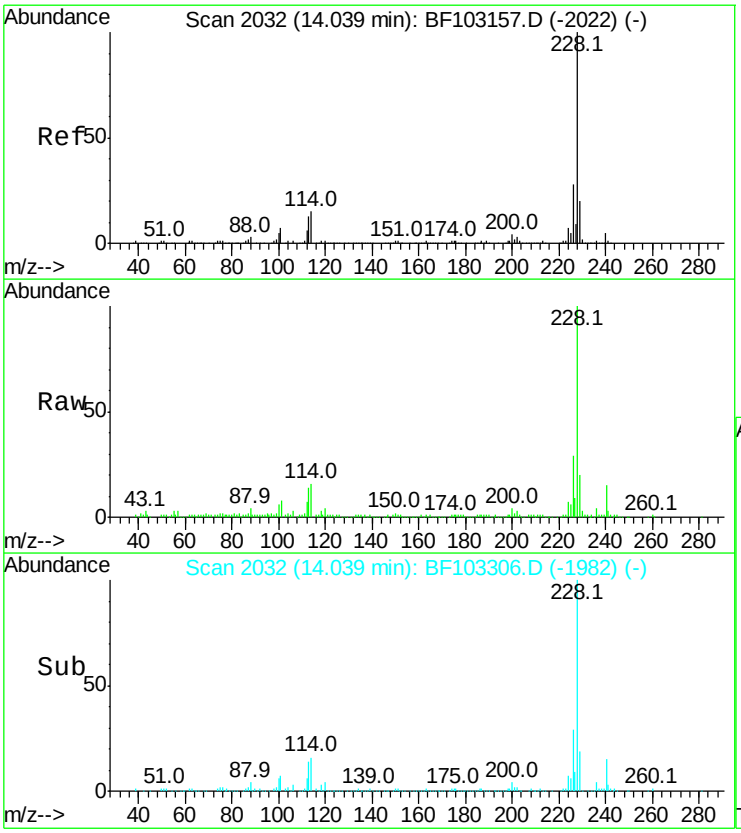

#78
Terphenyl-d14
Concen: 78.992 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:244 Resp: 850976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 12.8 | 11.0 | 16.4 |

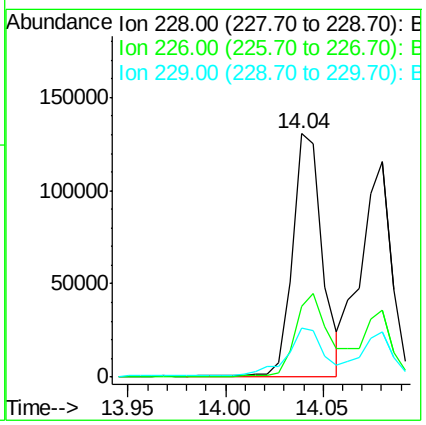


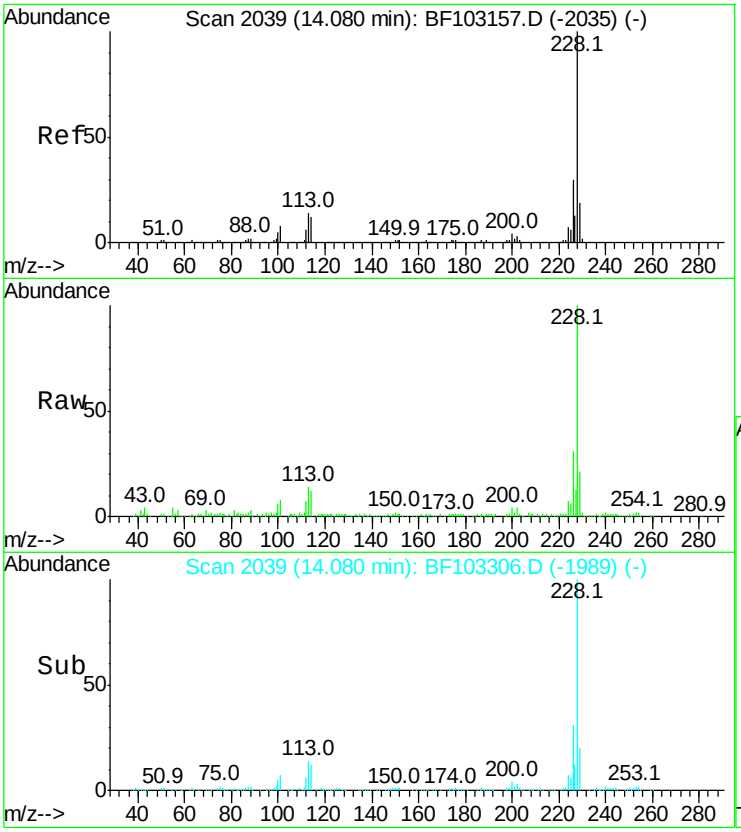




#80
Benzo(a)anthracene
Concen: 8.148 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:228 Resp: 136903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.6 | 33.8 |
| 229 | 20.3 | 15.8 | 23.6 |



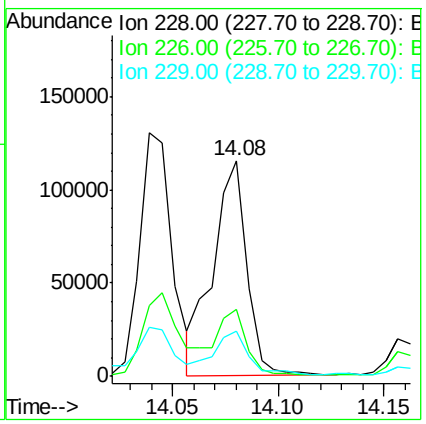


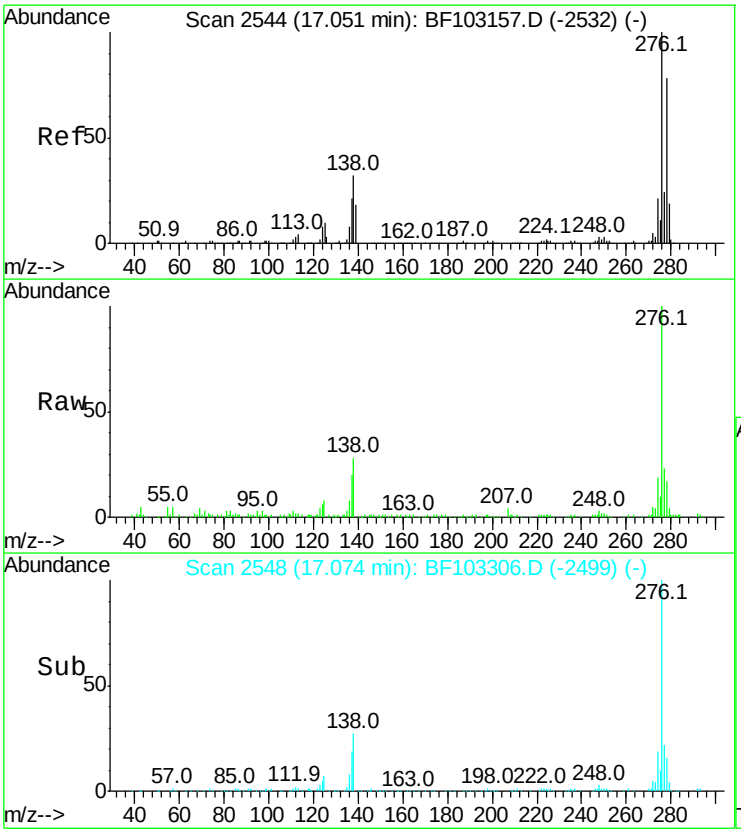

#82
Chrysene
Concen: 7.853 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:228 Resp: 128115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 25.0 | 37.6 |
| 229 | 21.0 | 16.2 | 24.4 |

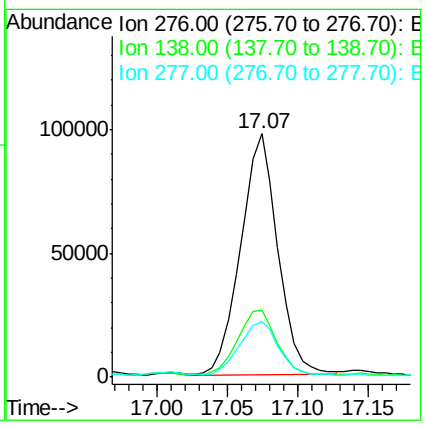


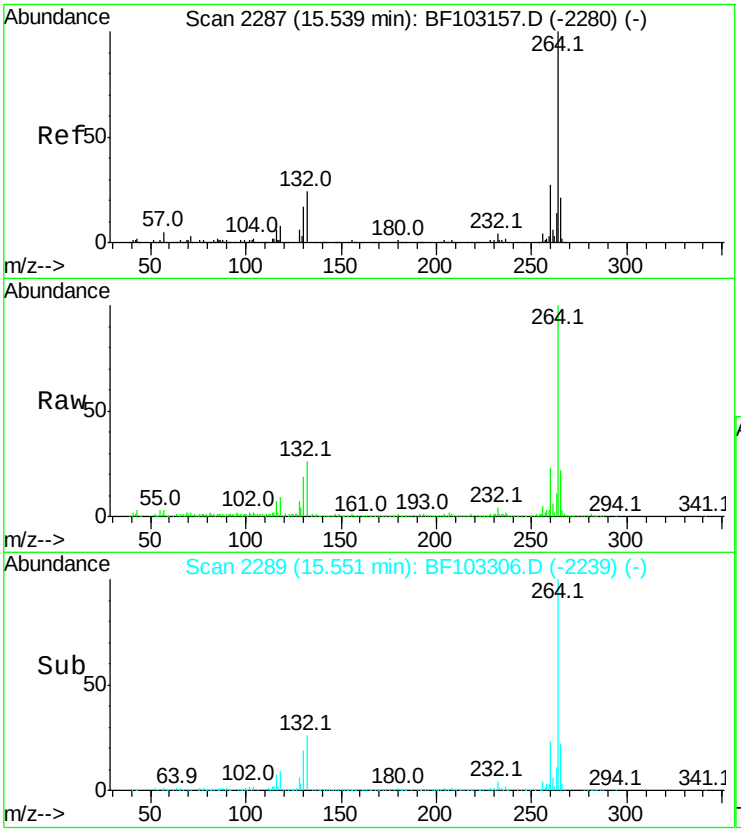




#85
Indeno(1,2,3-cd)pyrene
Concen: 13.927 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:276 Resp: 179882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.9 | 25.0 | 37.6 |
| 277 | 24.0 | 20.1 | 30.1 |



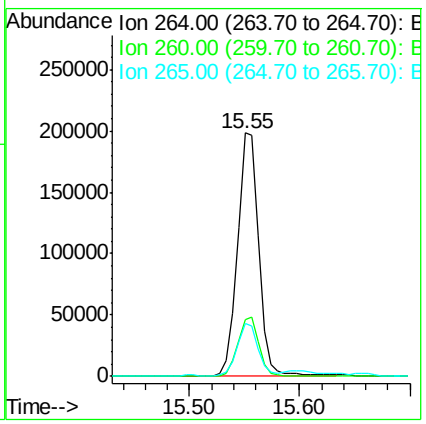


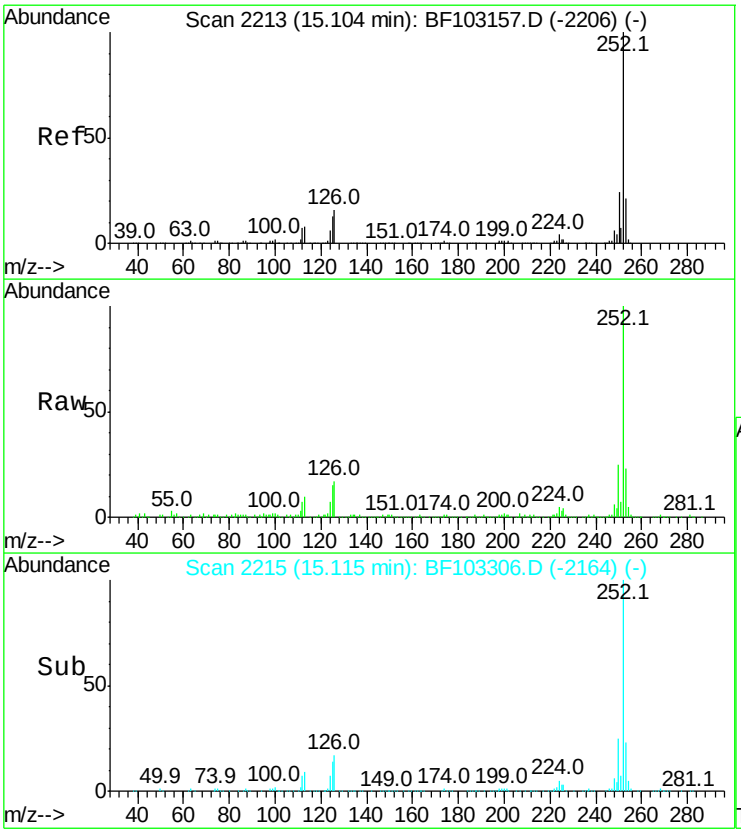

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:264 Resp: 269798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 21.7 | 17.5 | 26.3 |

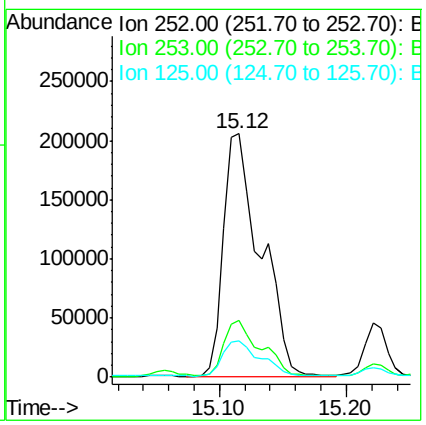


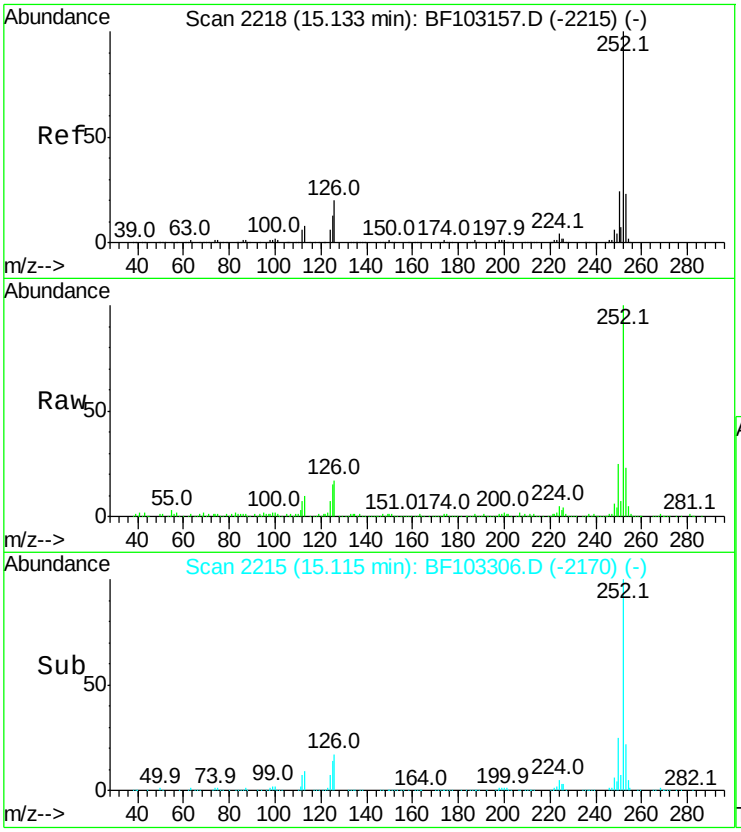




#87
Benzo(b)fluoranthene
Concen: 23.622 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:252 Resp: 419036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.0 | 25.6 |
| 125 | 14.8 | 9.0 | 13.6# |



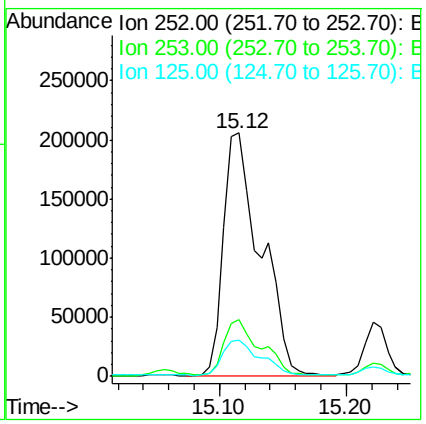


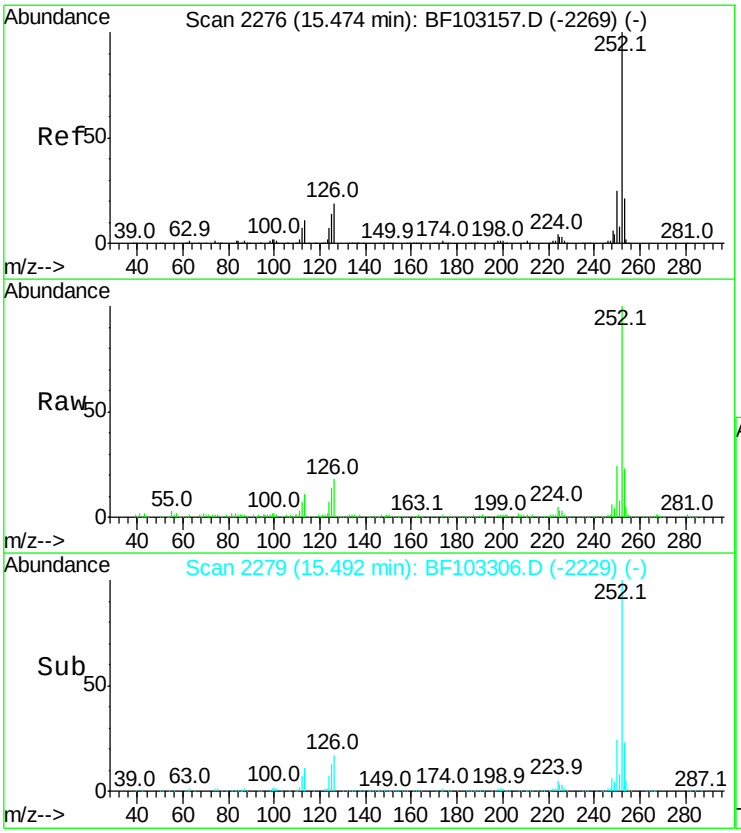

#88
Benzo(k)fluoranthene
Concen: 25.086 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:252 Resp: 419036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.9 | 26.9 |
| 125 | 14.8 | 10.2 | 15.2 |

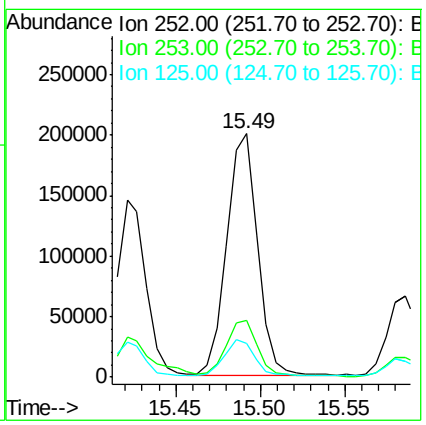


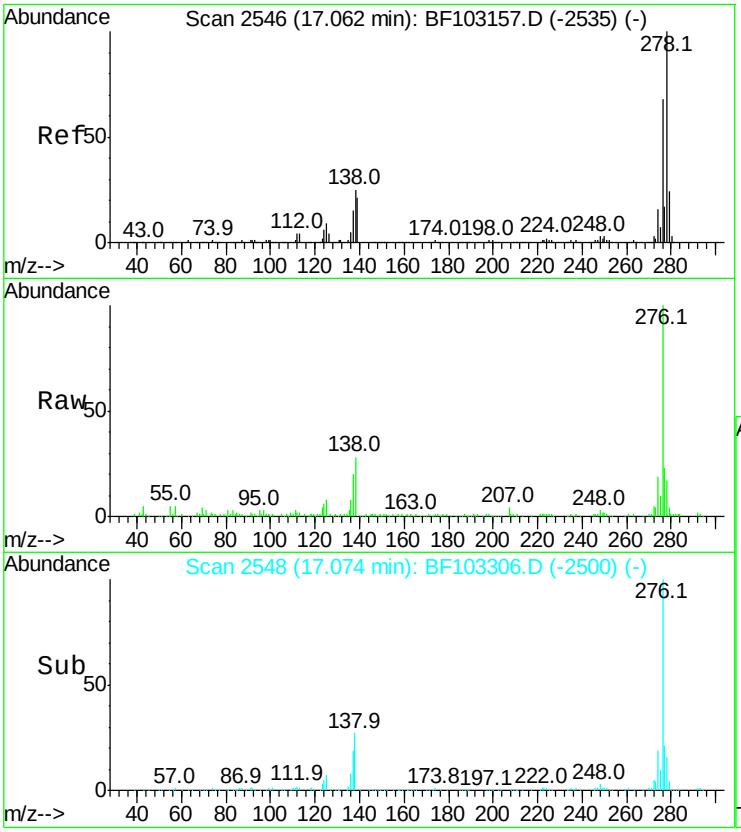




#89
Benzo(a)pyrene
Concen: 16.192 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:252 Resp: 256496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.1 | 25.7 |
| 125 | 13.6 | 9.8 | 14.6 |



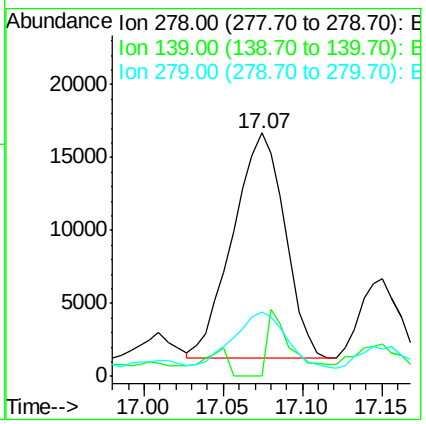


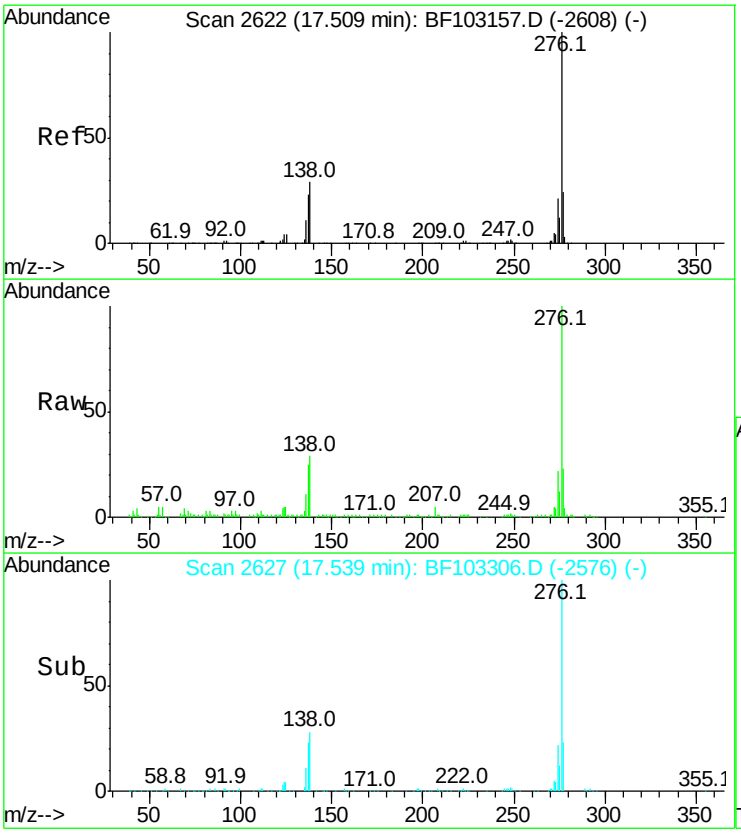

#90
Dibenzo(a,h)anthracene
Concen: 2.877 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.02 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

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

Tgt Ion:278 Resp: 35222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 15.9 | 23.9# |
| 279 | 26.3 | 19.0 | 28.4 |




#91
Benzo(g,h,i)perylene
Concen: 15.553 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion:276 Resp: 186062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 17.9 | 26.9 |
| 138 | 29.2 | 21.8 | 32.8 |