Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF022817\
Data File : BF093286.D
Acq On : 1 Mar 2017 11:05
Operator : SJ/MA
Sample : I2017-14DL 2X
Misc :
ALS Vial : 47 Sample Multiplier: 1

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

Quant Time: Mar 01 12:04:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 128326 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.10 | 136 | 459682 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 183965 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 319891 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 13.99 | 240 | 245737 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.41 | 264 | 166945 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 437490 | 58.49 | ng | | -0.03 |
| 7) Phenol-d6 | 6.46 | 99 | 550771 | 57.23 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 277659 | 33.64 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 74466 | 55.97 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 476978 | 46.97 | ng | | -0.05 |
| 78) Terphenyl-d14 | 12.92 | 244 | 379186 | 36.26 | ng | | -0.05 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.48 | 94 | 42379 | 3.76 | ng | | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 37422 | 6.11 | ng | # | 79 |
| 25) Isophorone | 7.38 | 82 | 247524 | 16.09 | ng | # | 65 |
| 31) Naphthalene | 8.12 | 128 | 50399 | 2.16 | ng | | 96 |
| 32) Benzoic acid | 7.92 | 122 | 2017 | 7.59 | ng | # | 54 |
| 48) Acenaphthylene | 9.71 | 152 | 150995 | 8.39 | ng | | 97 |
| 49) Dimethylphthalate | 9.57 | 163 | 33412 | 2.70 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 24361 | 9.10 | ng | # | 32 |
| 51) Acenaphthene | 9.88 | 154 | 25511 | 2.37 | ng | | 96 |
| 54) Dibenzofuran | 10.05 | 168 | 33102 | 2.30 | ng | # | 93 |
| 55) 4-Nitrophenol | 10.05 | 139 | 12355 | 5.60 | ng | # | 8 |
| 57) Fluorene | 10.40 | 166 | 42668 | 3.85 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 207 | 2.77 | ng | # | 1 |
| 70) Phenanthrene | 11.37 | 178 | 759694 | 41.45 | ng | | 98 |
| 71) Anthracene | 11.41 | 178 | 182867 | 9.94 | ng | | 97 |
| 72) Carbazole | 11.57 | 167 | 90838 | 5.16 | ng | | 97 |
| 74) Fluoranthene | 12.56 | 202 | 1002134 | 53.01 | ng | | 97 |
| 77) Pyrene | 12.78 | 202 | 985035 | 53.56 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 432589 | 28.78 | ng | | 97 |
| 82) Chrysene | 14.01 | 228 | 339533 | 24.13 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.81 | 276 | 139810 | 12.83 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 459850 | 41.85 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 459850 | 48.47 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.36 | 252 | 230831 | 24.29 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.81 | 278 | 40664 | 5.29 | ng | # | 86 |
| 91) Benzo(g,h,i)perylene | 17.24 | 276 | 137916 | 17.77 | ng | # | 91 |

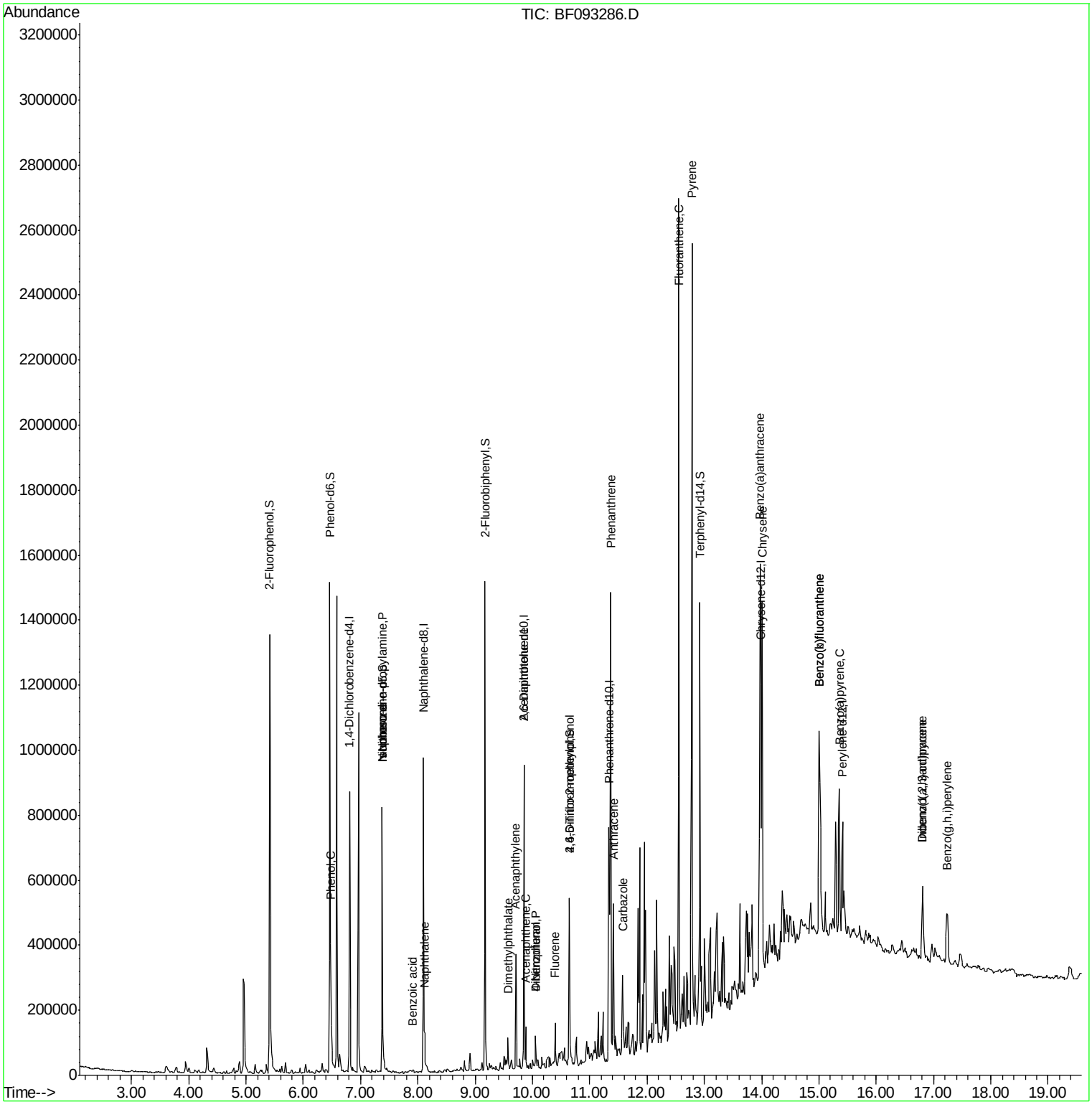
(#) = qualifier out of range (m) = manual integration (+) = signals summed

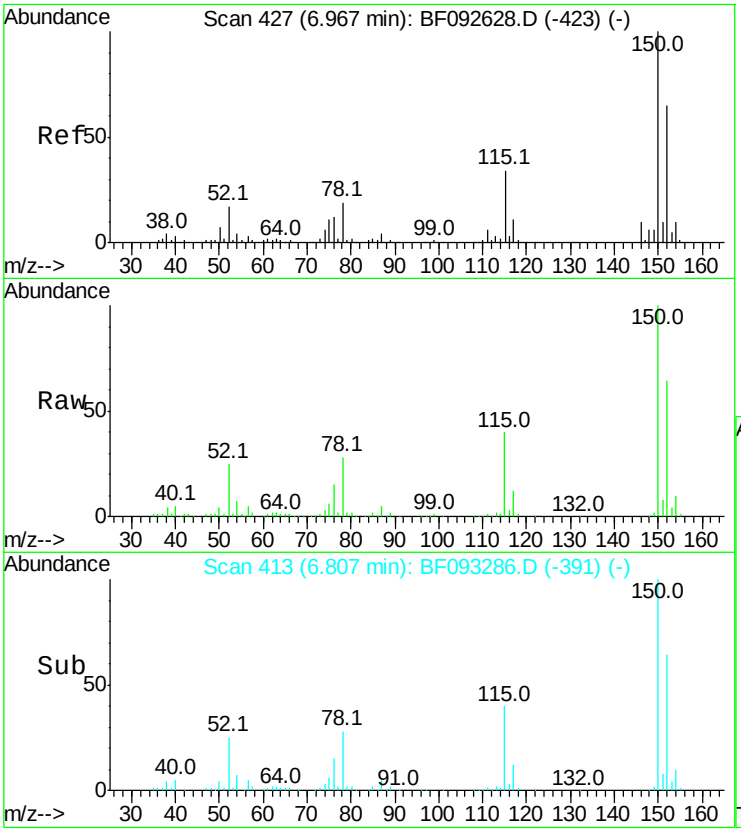
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF022817\
Data File : BF093286.D
Acq On : 1 Mar 2017 11:05
Operator : SJ/MA
Sample : I2017-14DL 2X
Misc :
ALS Vial : 47 Sample Multiplier: 1

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

Quant Time: Mar 01 12:04:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration



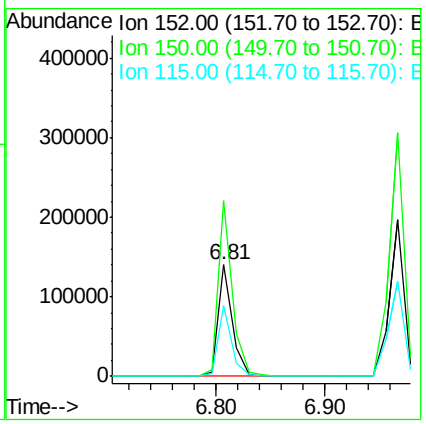


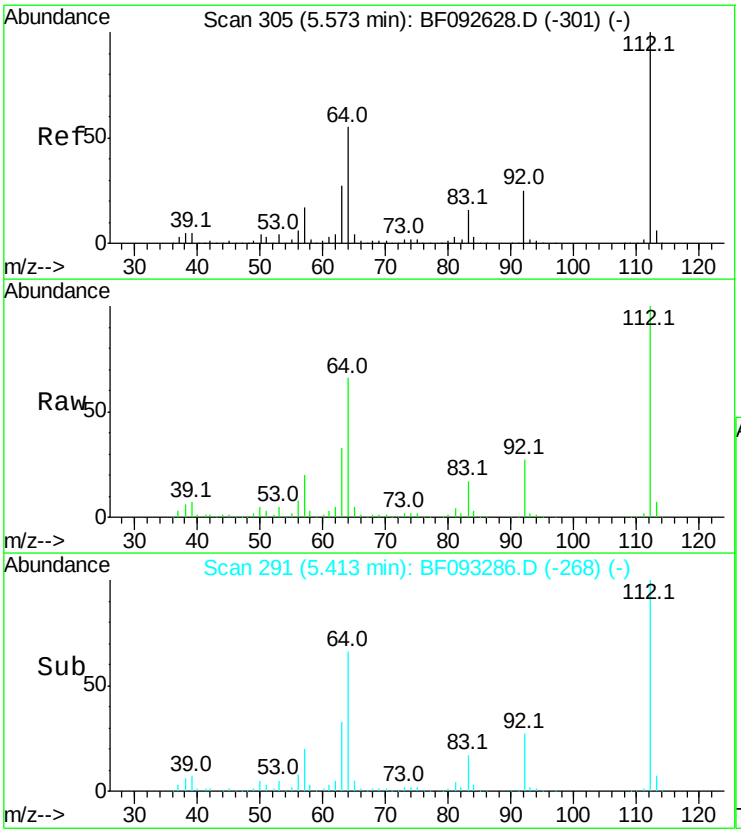

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:152 Resp: 128326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 124.9 | 187.3 |
| 115 | 63.3 | 46.0 | 69.0 |

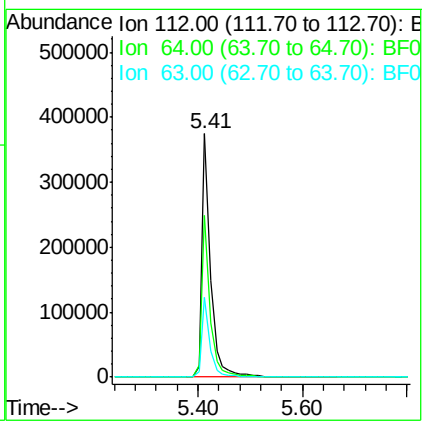


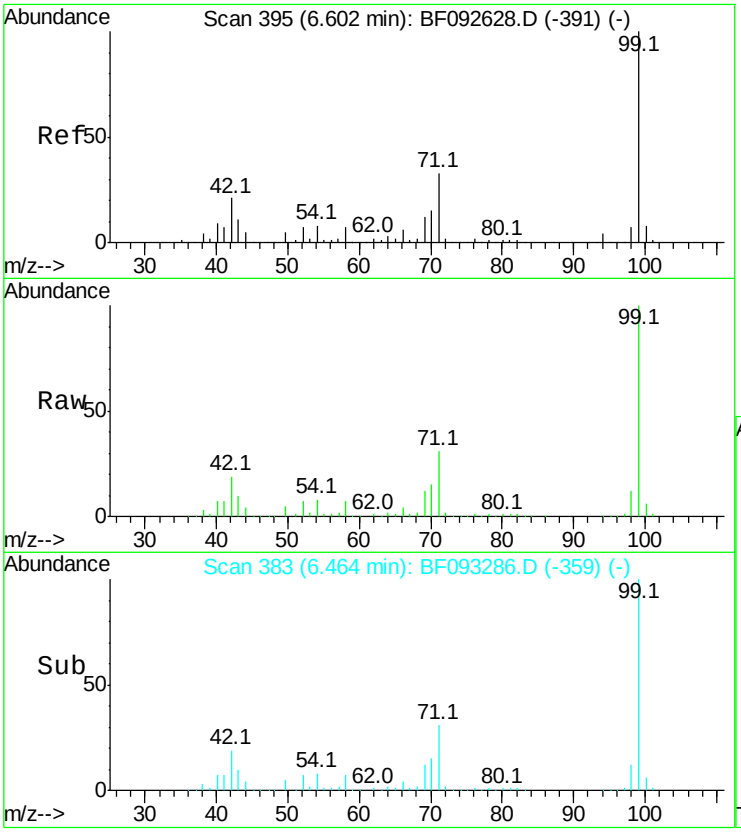




#5
2-Fluorophenol
Concen: 58.49 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:112 Resp: 437490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.4 | 46.1 | 69.1 |
| 63 | 32.9 | 23.8 | 35.6 |



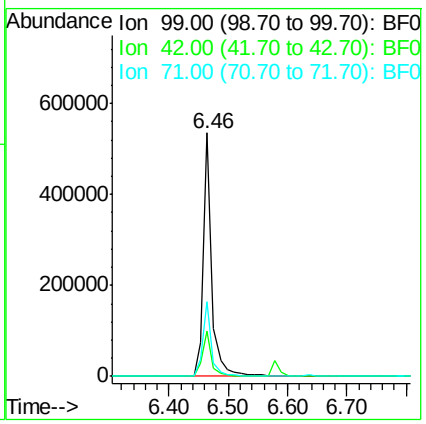


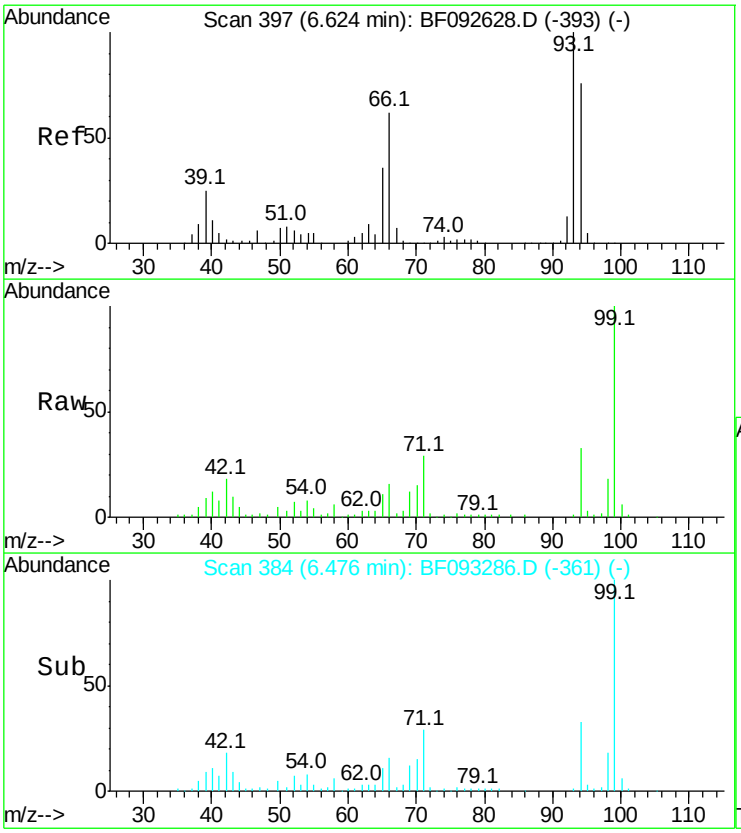

#7
Phenol-d6
Concen: 57.23 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion: 99 Resp: 550771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.6 | 23.4 |
| 71 | 30.9 | 27.5 | 41.3 |

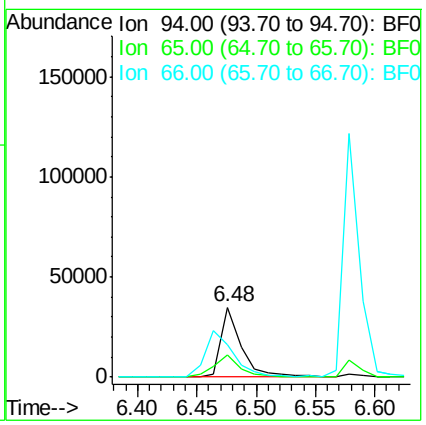


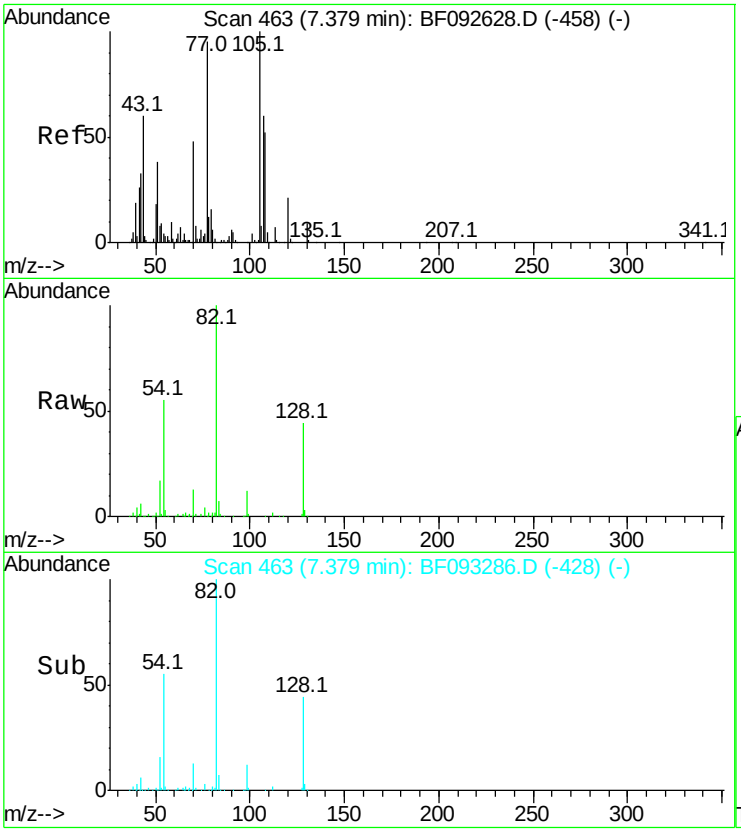




#10
Phenol
Concen: 3.76 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion: 94 Resp: 42379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.6 | 21.4 | 61.4 |
| 66 | 47.2 | 44.0 | 84.0 |



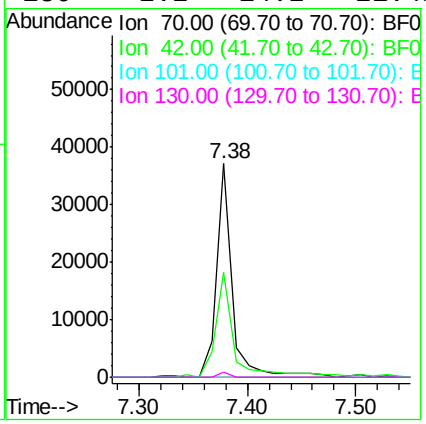


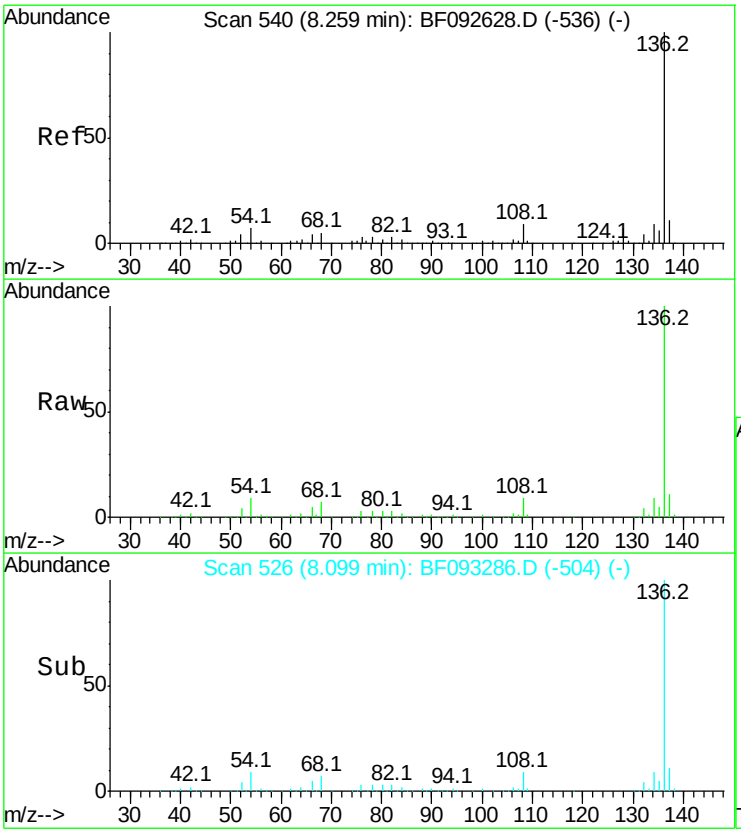

#19
n-Nitroso-di-n-propylamine
Concen: 6.11 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.10 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion: 70 Resp: 37422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 49.1 | 49.4 | 74.0# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 14.2 | 21.4# |

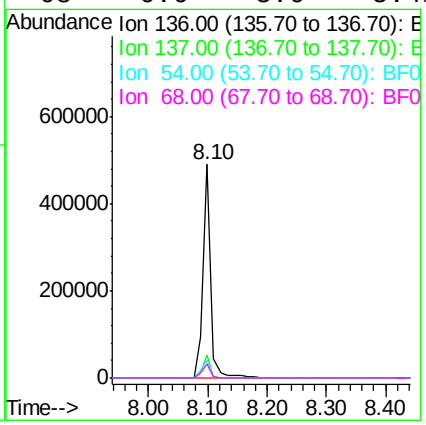


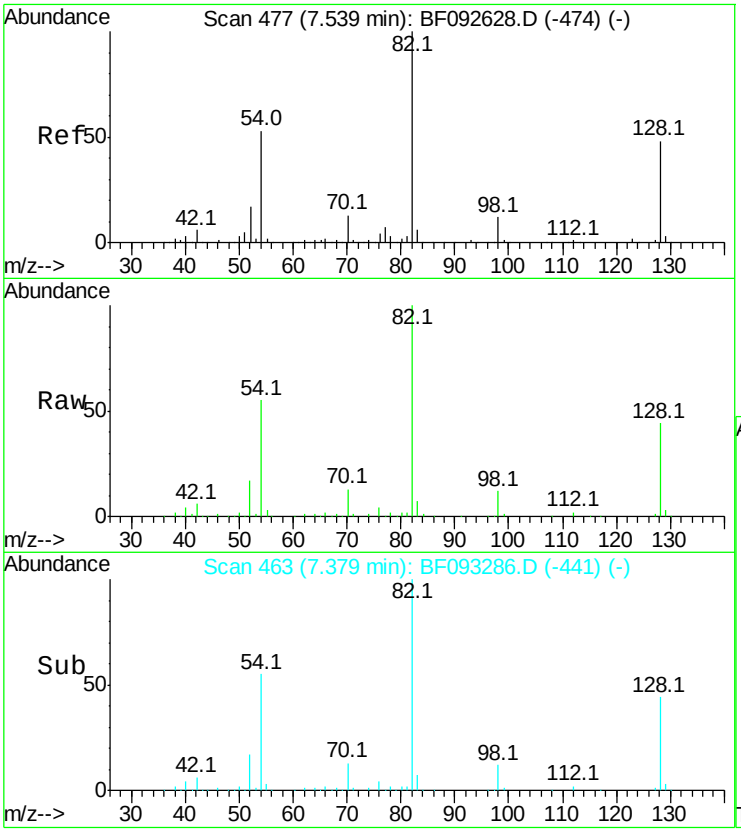




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:136 Resp: 459682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.4 | 12.6 |
| 54 | 8.6 | 4.5 | 6.7# |
| 68 | 6.6 | 3.6 | 5.4# |



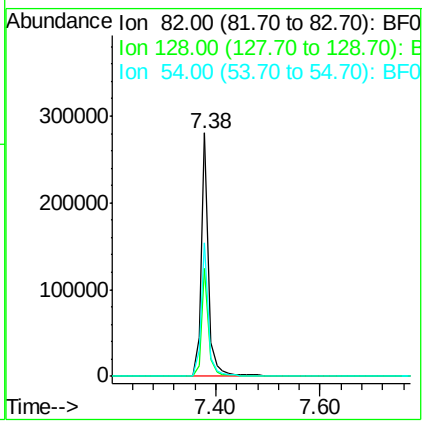


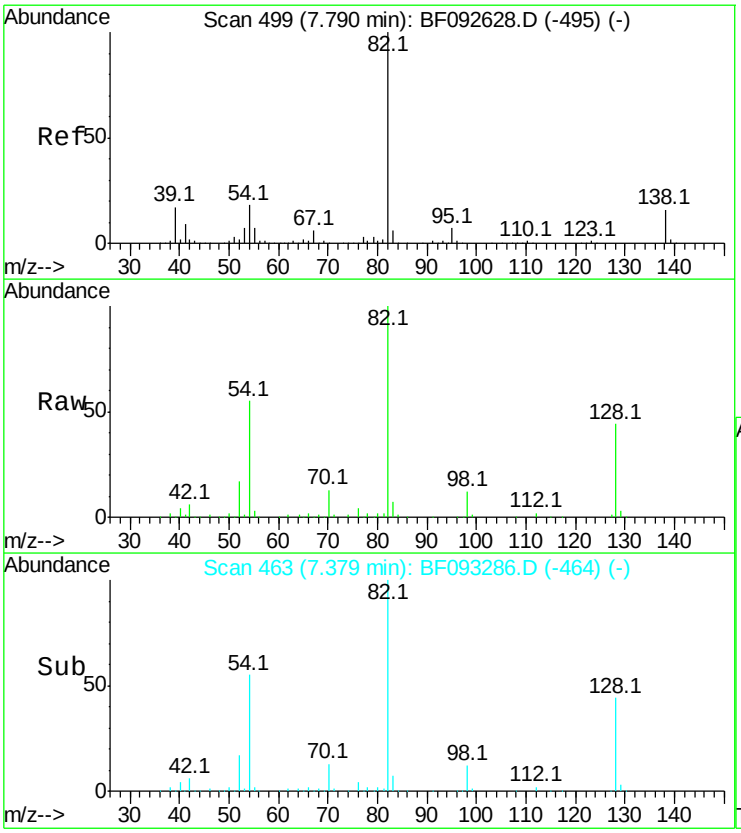

#23
Nitrobenzene-d5
Concen: 33.64 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion: 82 Resp: 277659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.3 | 34.6 | 52.0 |
| 54 | 55.0 | 39.5 | 59.3 |

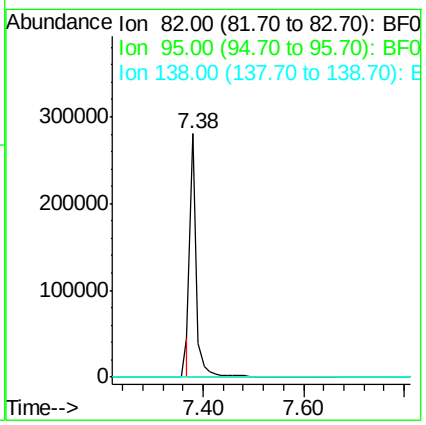


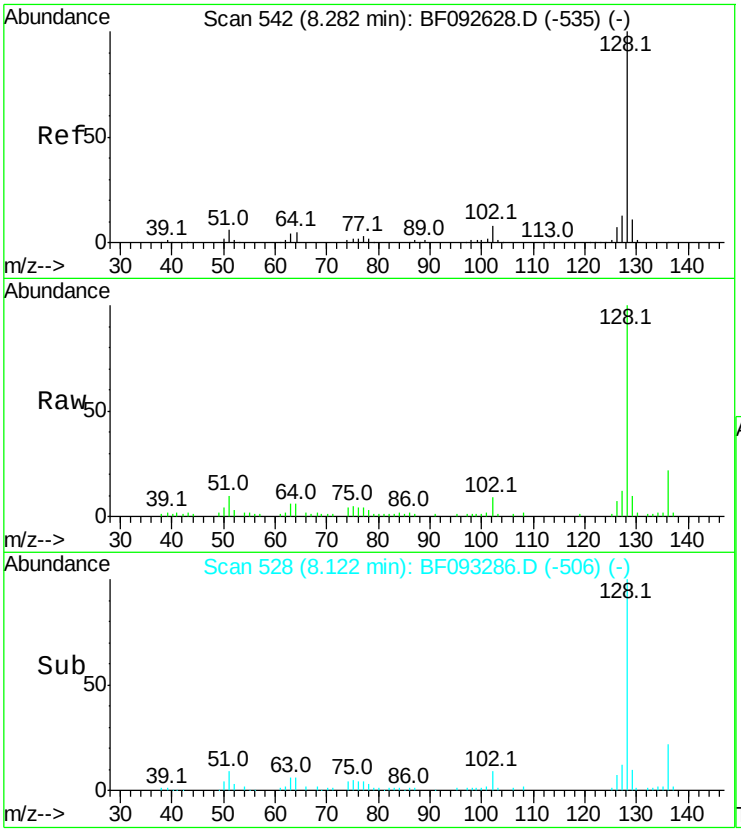




#25
Isophorone
Concen: 16.09 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion: 82 Resp: 247524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |



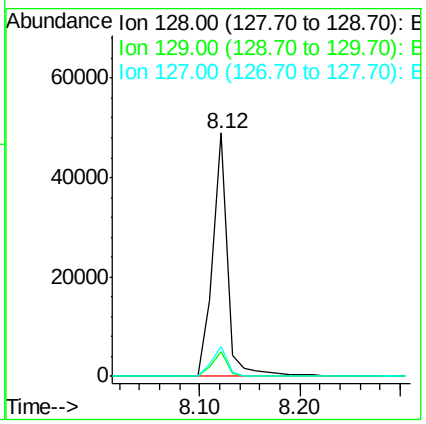


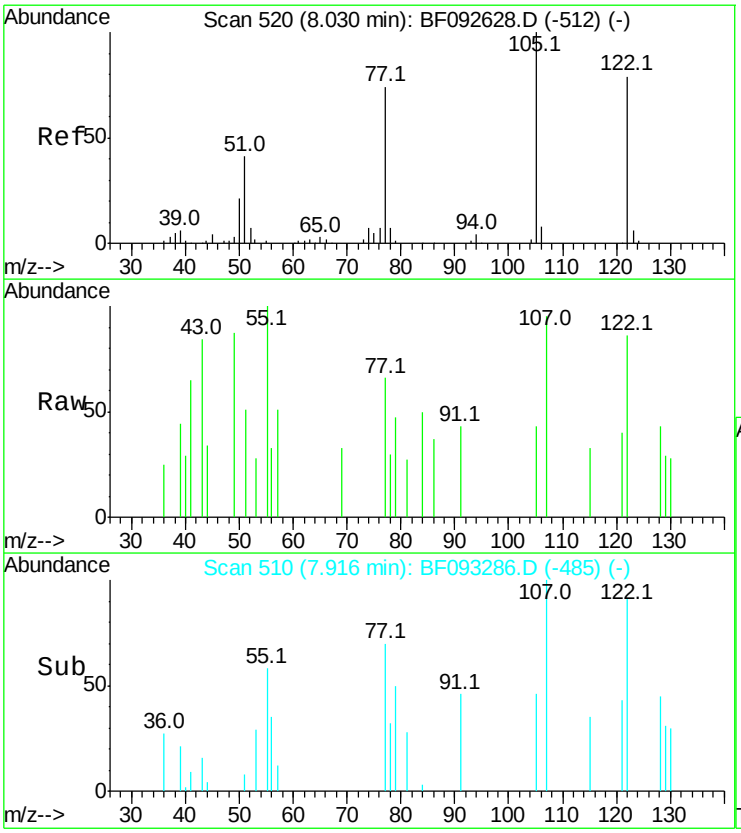

#31
Naphthalene
Concen: 2.16 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:128 Resp: 50399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.0 | 9.5 | 14.3 |
| 127 | 12.4 | 10.8 | 16.2 |

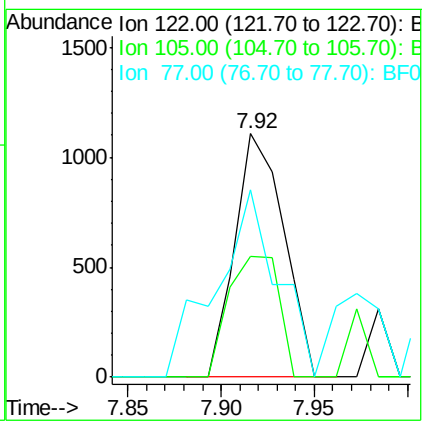


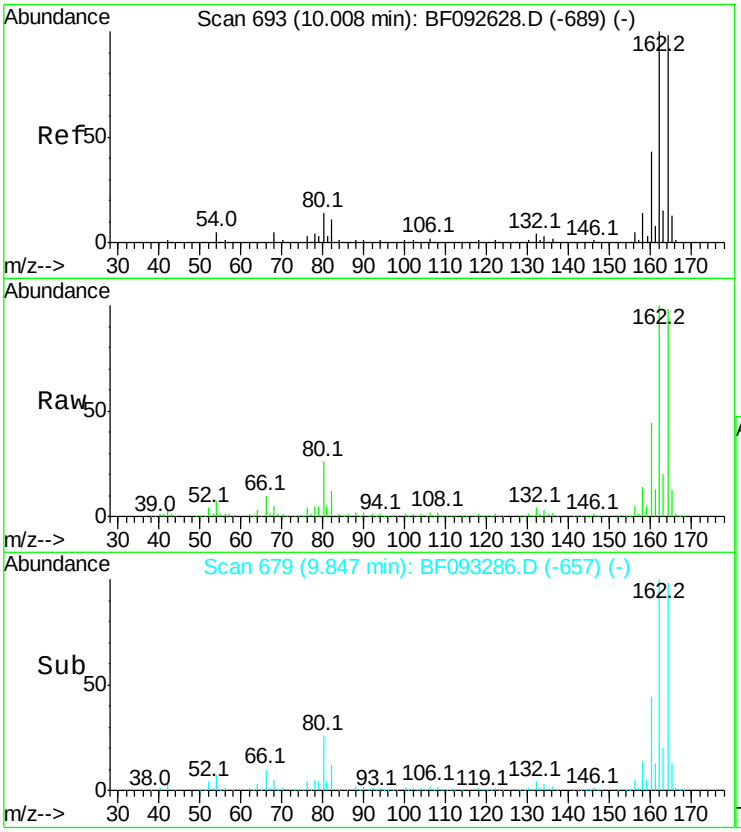




#32
Benzoic acid
Concen: 7.59 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:122 Resp: 2017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 49.8 | 107.2 | 147.2# |
| 77 | 76.9 | 74.5 | 114.5 |



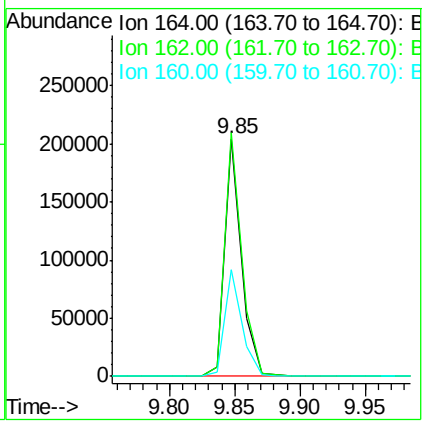


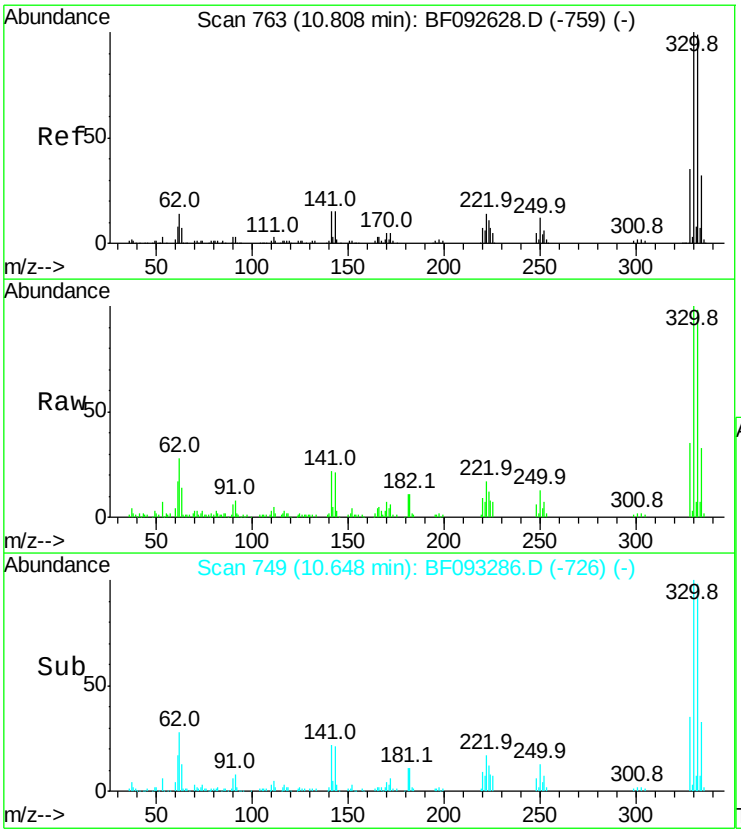

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:164 Resp: 183965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 80.2 | 120.2 |
| 160 | 44.8 | 36.9 | 55.3 |

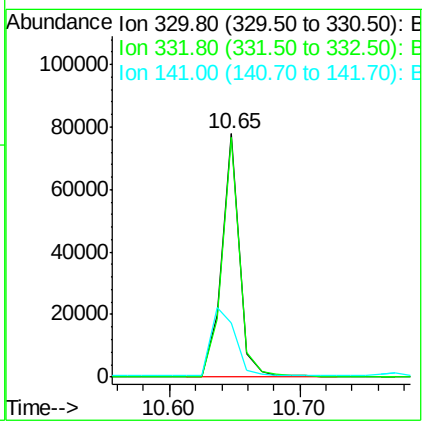


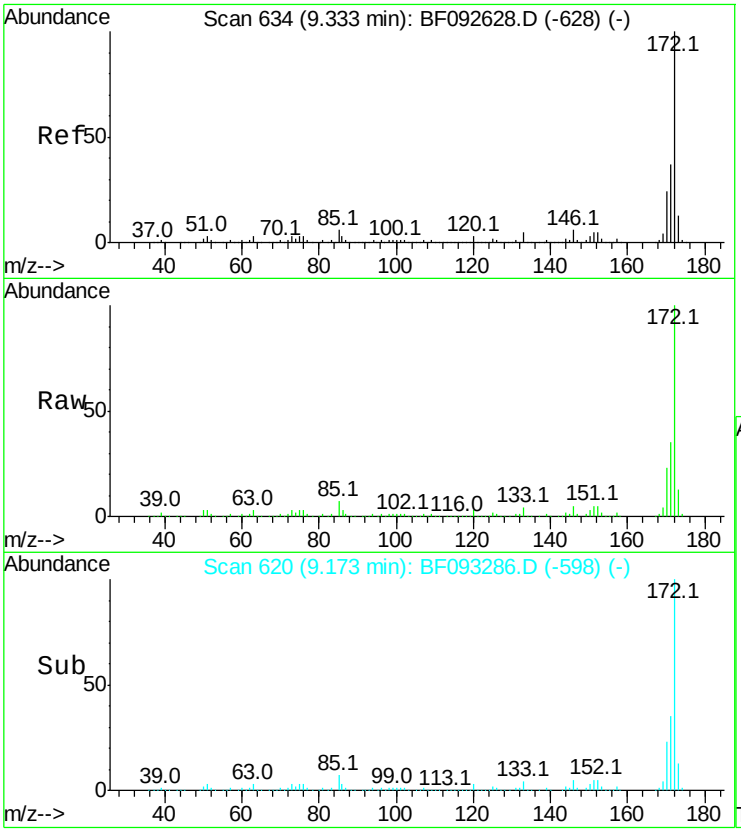




#41
2,4,6-Tribromophenol
Concen: 55.97 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:330 Resp: 74466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.4 | 77.4 | 116.2 |
| 141 | 39.0 | 34.1 | 51.1 |



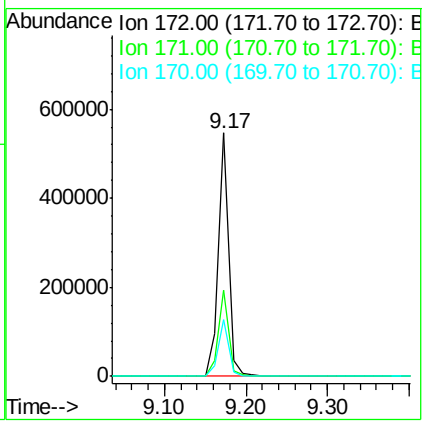


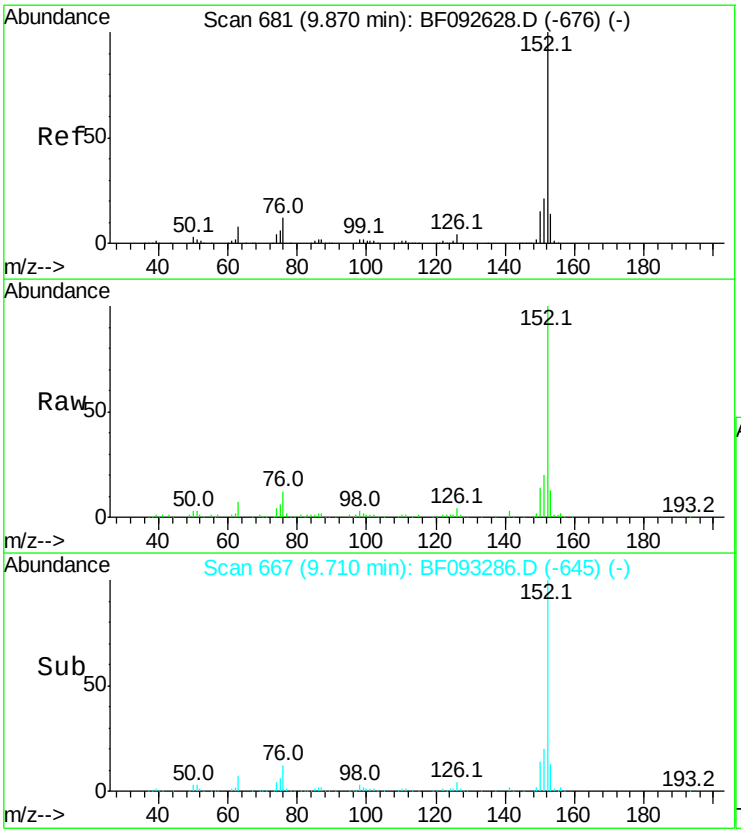

#44
2-Fluorobiphenyl
Concen: 46.97 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:172 Resp: 476978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.4 | 44.0 |
| 170 | 23.3 | 20.2 | 30.4 |

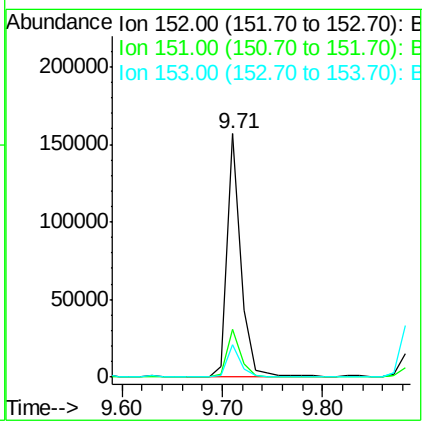


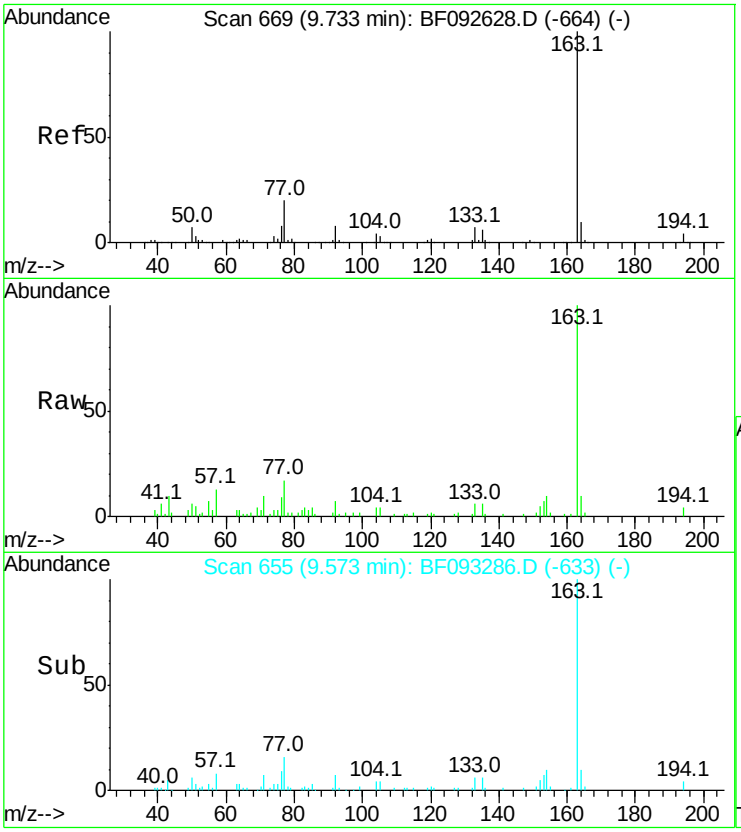




#48
Acenaphthylene
Concen: 8.39 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:152 Resp: 150995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.9 | 25.3 |
| 153 | 13.4 | 11.4 | 17.2 |



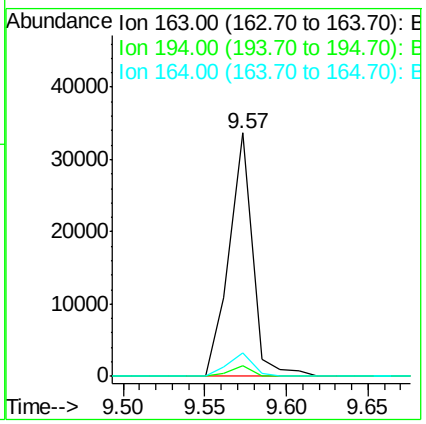


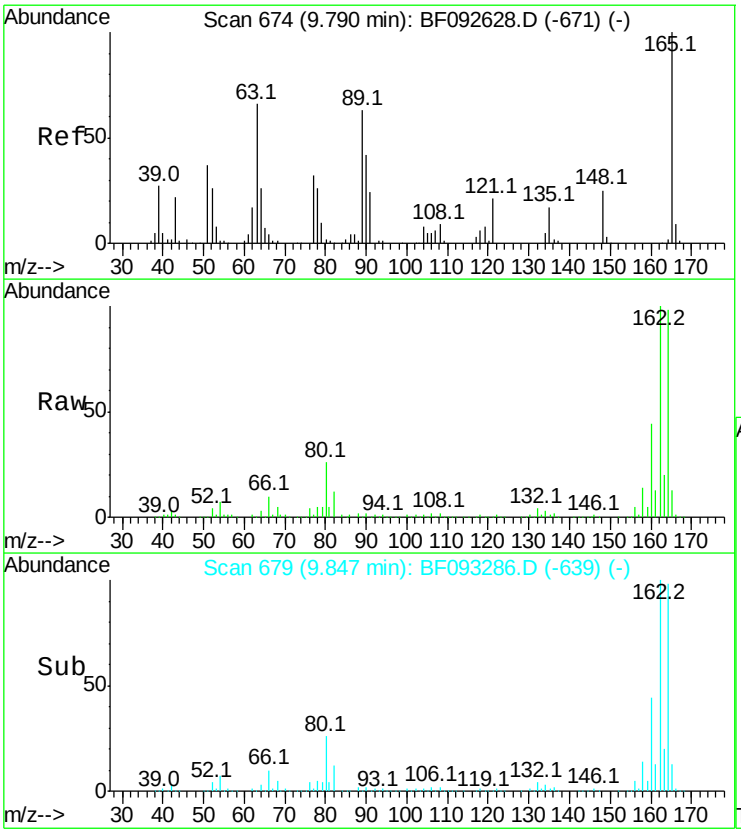

#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:163 Resp: 33412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.0 | 4.4 |
| 164 | 9.7 | 8.0 | 12.0 |

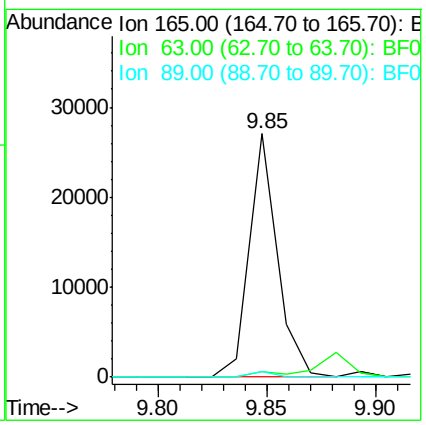


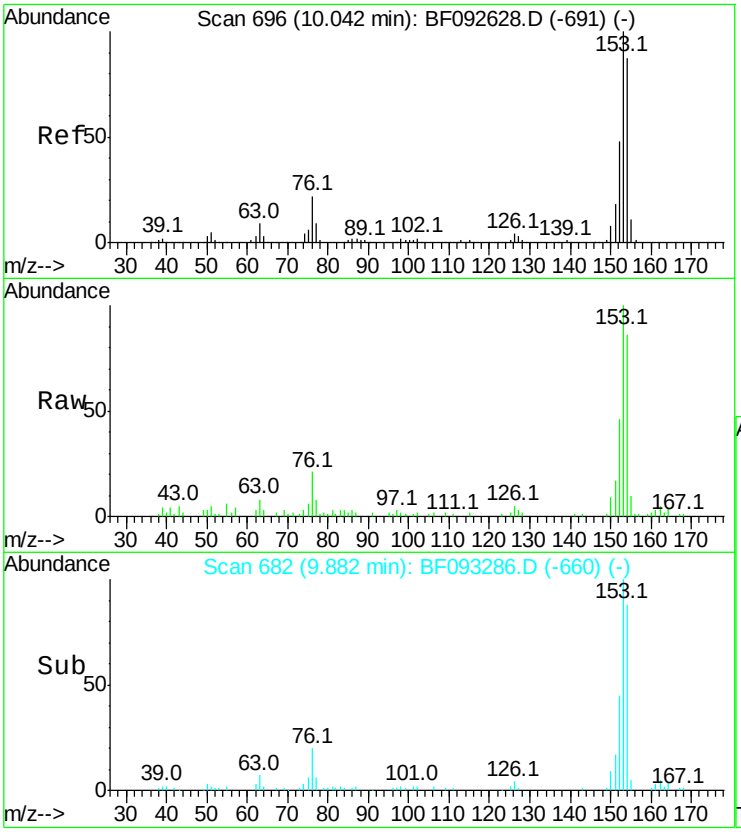




#50
2,6-Dinitrotoluene
Concen: 9.10 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.16 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:165 Resp: 24361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.1 | 36.2 | 54.4# |
| 89 | 2.4 | 40.2 | 60.4# |



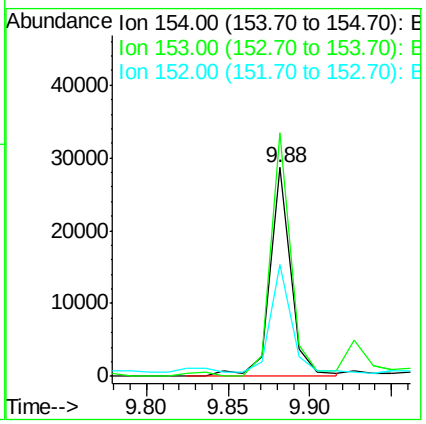


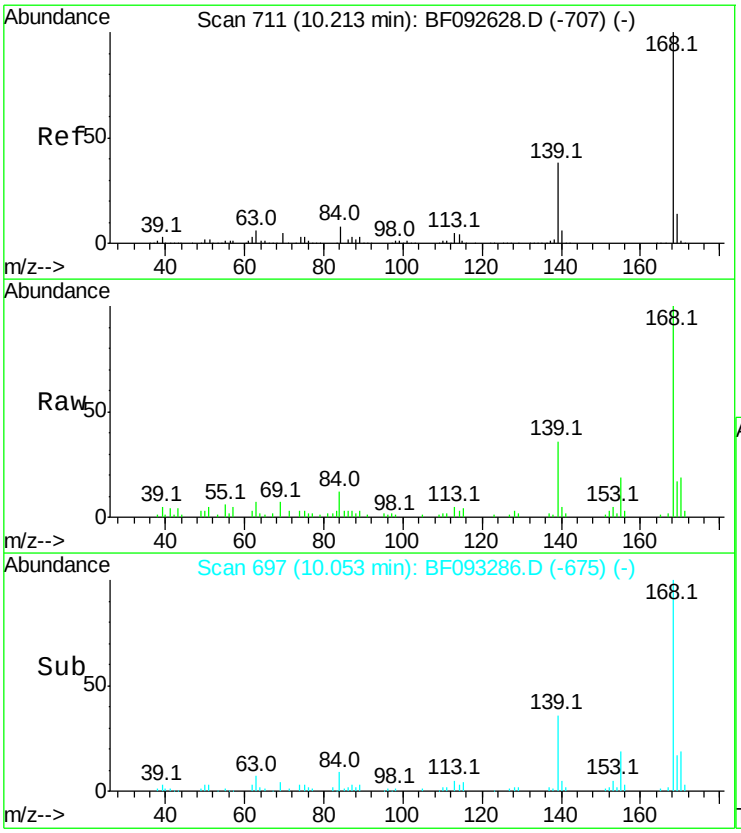

#51
Acenaphthene
Concen: 2.37 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:154 Resp: 25511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.5 | 88.6 | 133.0 |
| 152 | 53.6 | 41.6 | 62.4 |

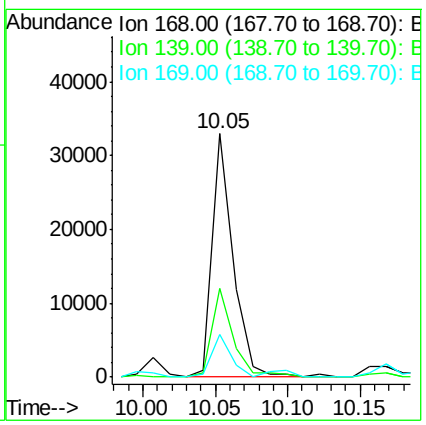


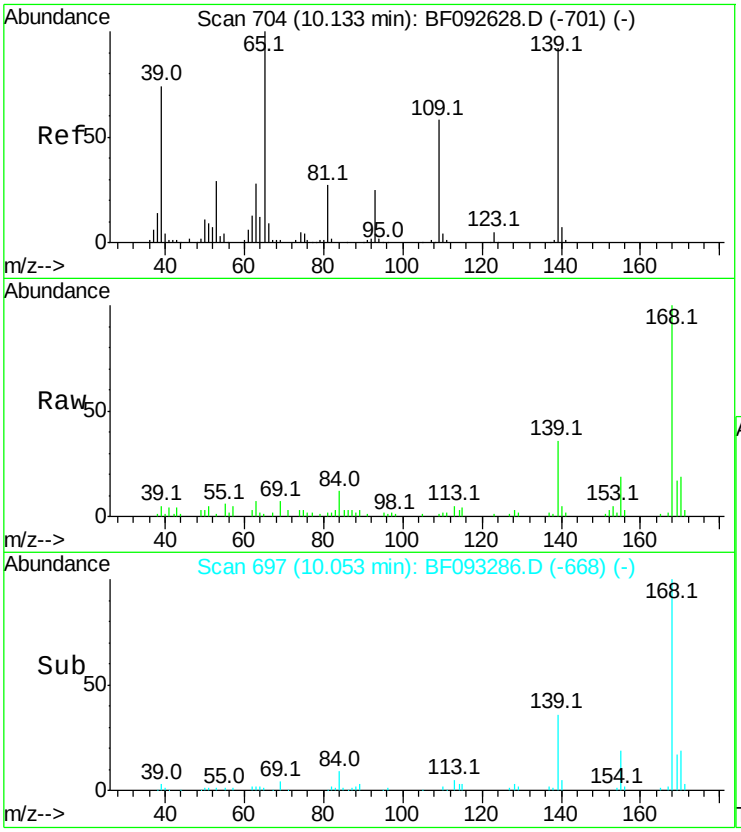




#54
Dibenzofuran
Concen: 2.30 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:168 Resp: 33102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.5 | 32.6 | 49.0 |
| 169 | 17.4 | 11.3 | 16.9# |



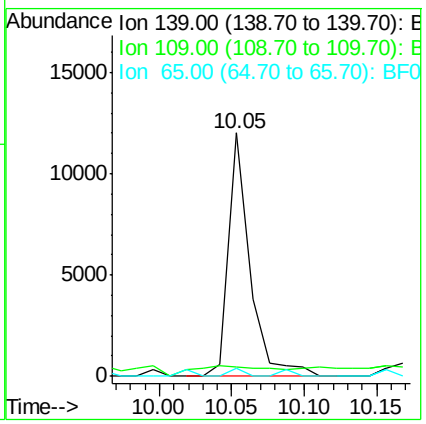


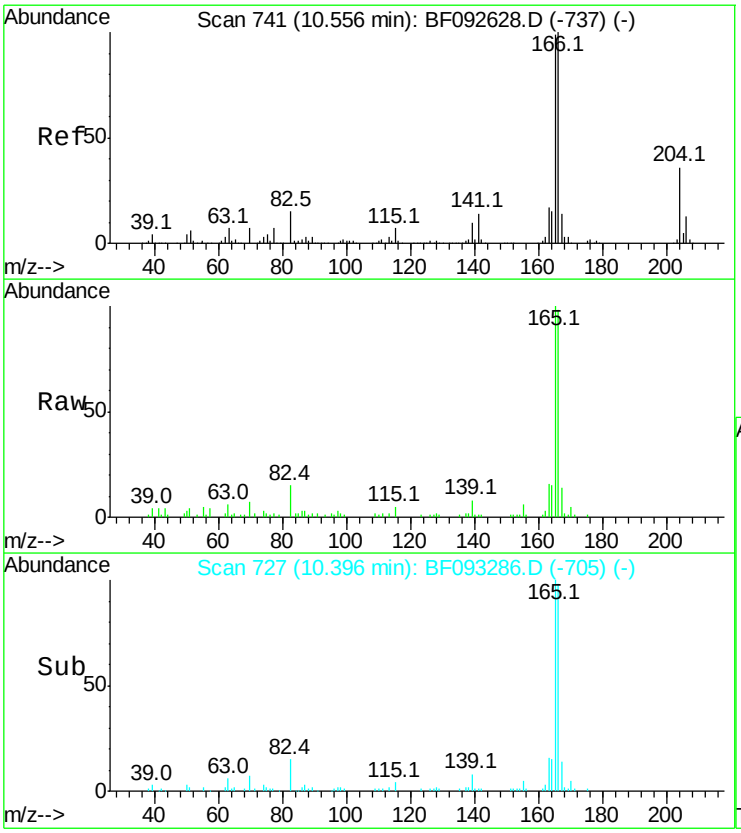

#55
4-Nitrophenol
Concen: 5.60 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:139 Resp: 12355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 4.0 | 52.2 | 92.2# |
| 65 | 3.4 | 85.8 | 125.8# |

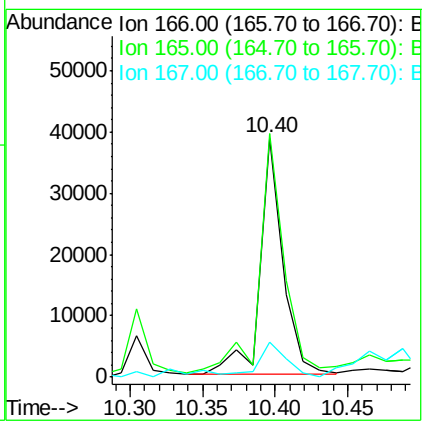


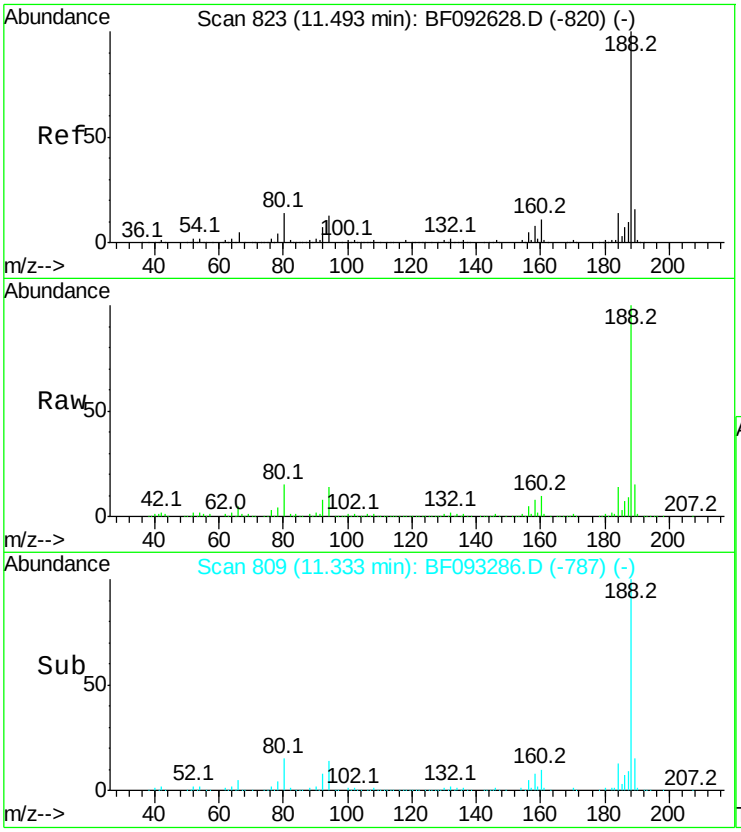




#57
Fluorene
Concen: 3.85 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:166 Resp: 42668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.9 | 77.8 | 116.8 |
| 167 | 14.7 | 10.8 | 16.2 |



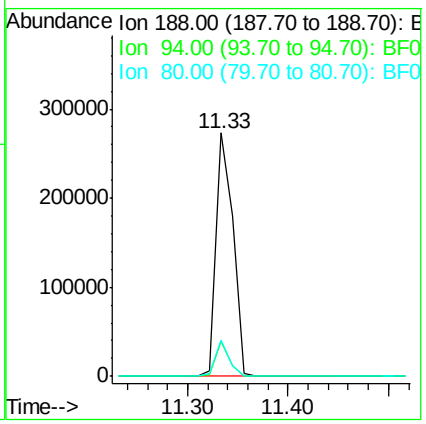


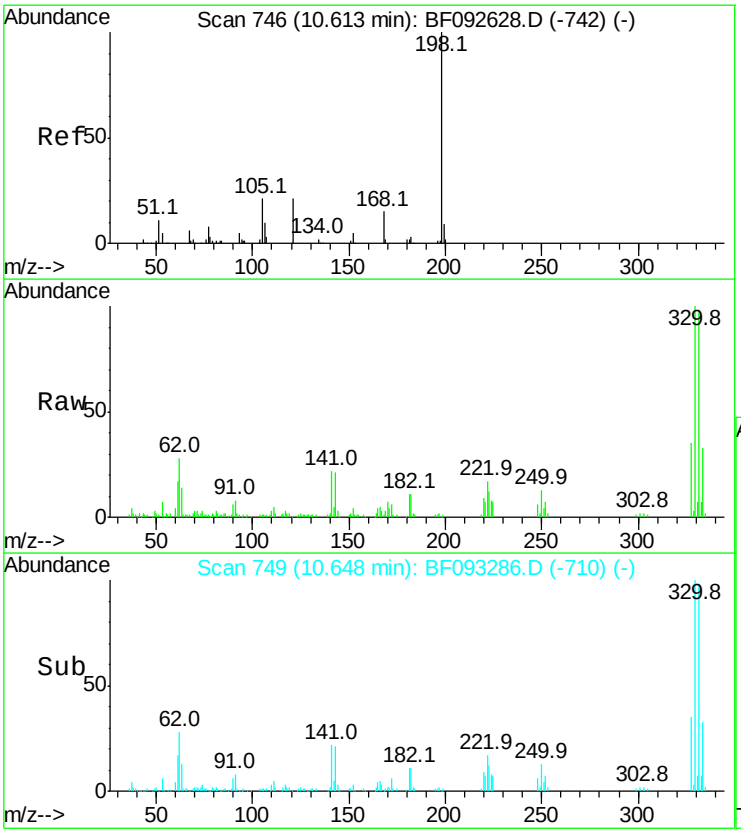

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:188 Resp: 319891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 14.5 | 10.0 | 15.0 |
| 80 | 15.1 | 11.2 | 16.8 |

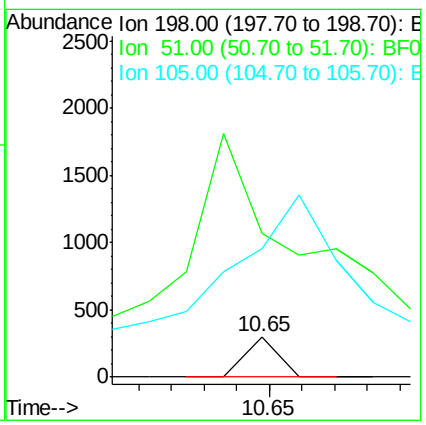


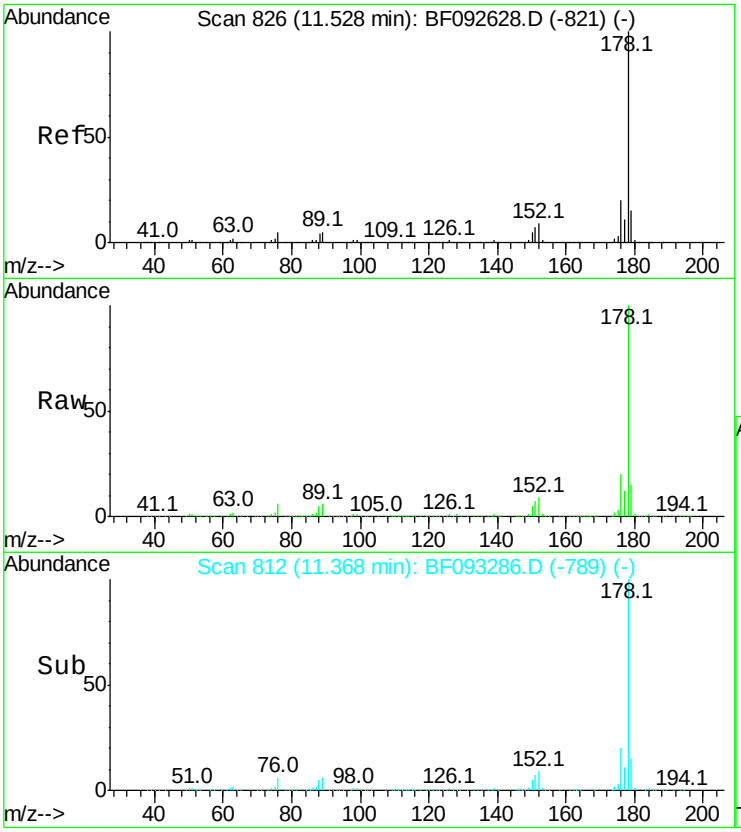




#64
4,6-Dinitro-2-methylphenol
Concen: 2.77 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.15 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:198 Resp: 207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 353.0 | 6.7 | 46.7# |
| 105 | 317.2 | 16.6 | 56.6# |

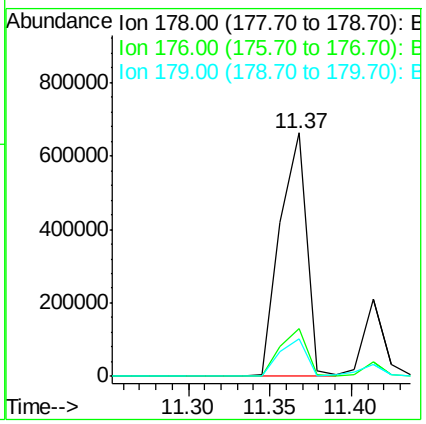




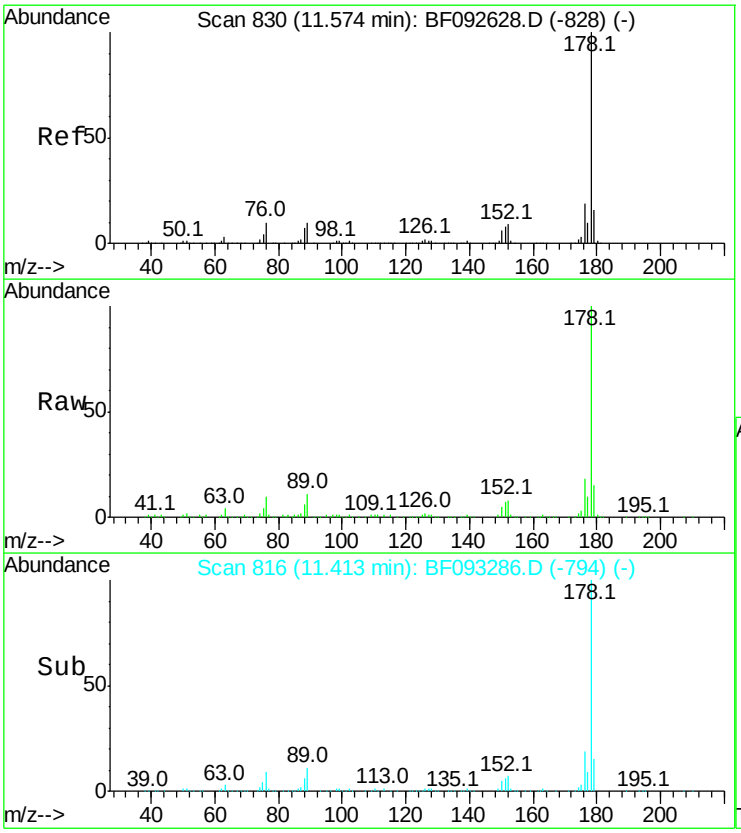

#70
Phenanthrene
Concen: 41.45 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:178 Resp: 759694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 16.6 | 25.0 |
| 179 | 15.3 | 12.8 | 19.2 |



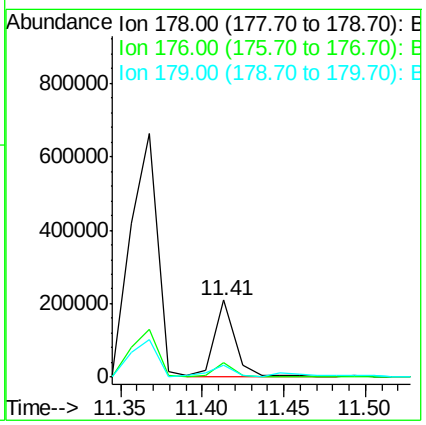

**Instrument :**
BNA_F
**ClientSampleId :**

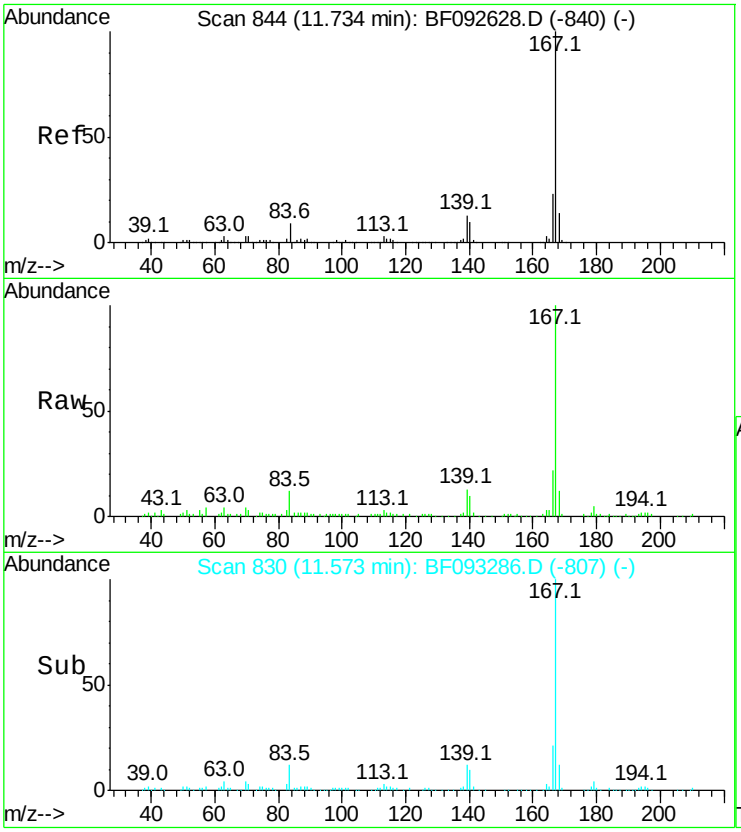



#71
Anthracene
Concen: 9.94 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:178 Resp: 182867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.9 | 23.9 |
| 179 | 14.8 | 13.2 | 19.8 |

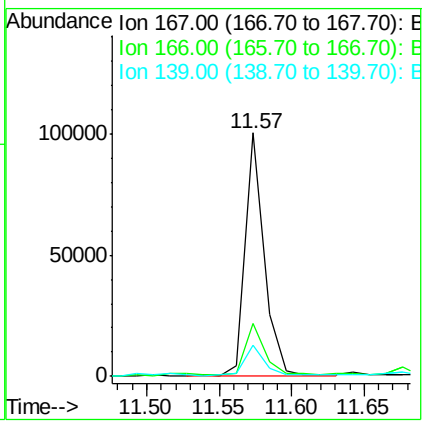




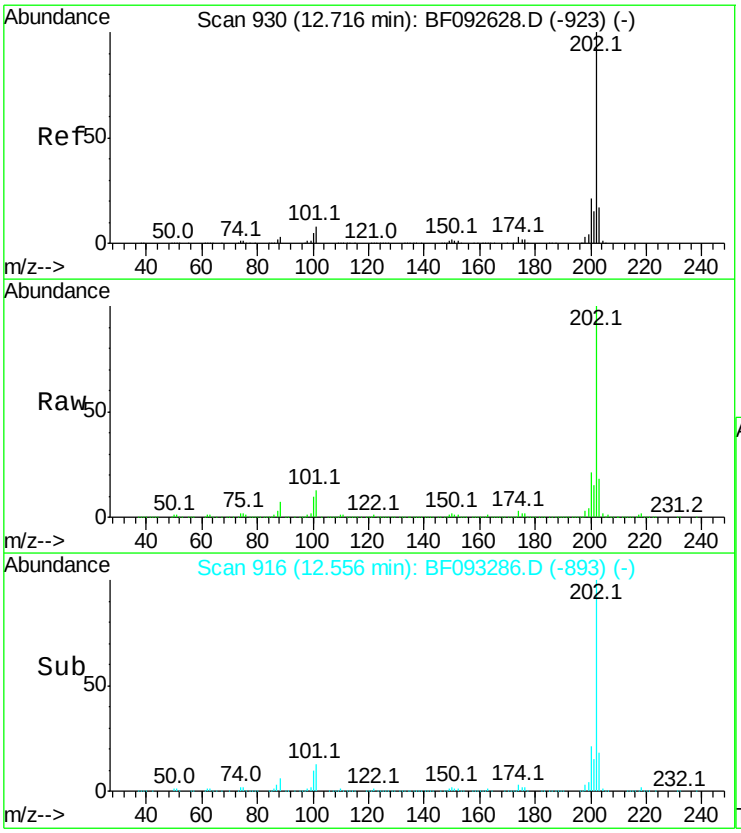

#72
Carbazole
Concen: 5.16 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:167 Resp: 90838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 18.2 | 27.2 |
| 139 | 12.8 | 11.4 | 17.2 |



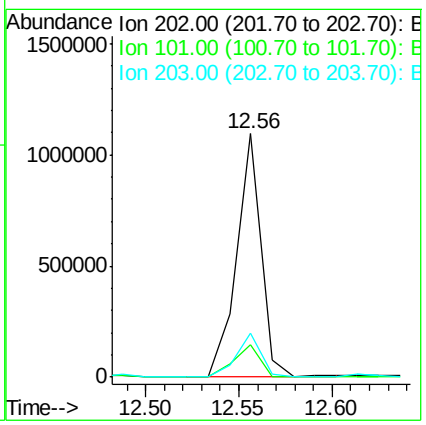

**Instrument :**
BNA_F
**ClientSampleId :**

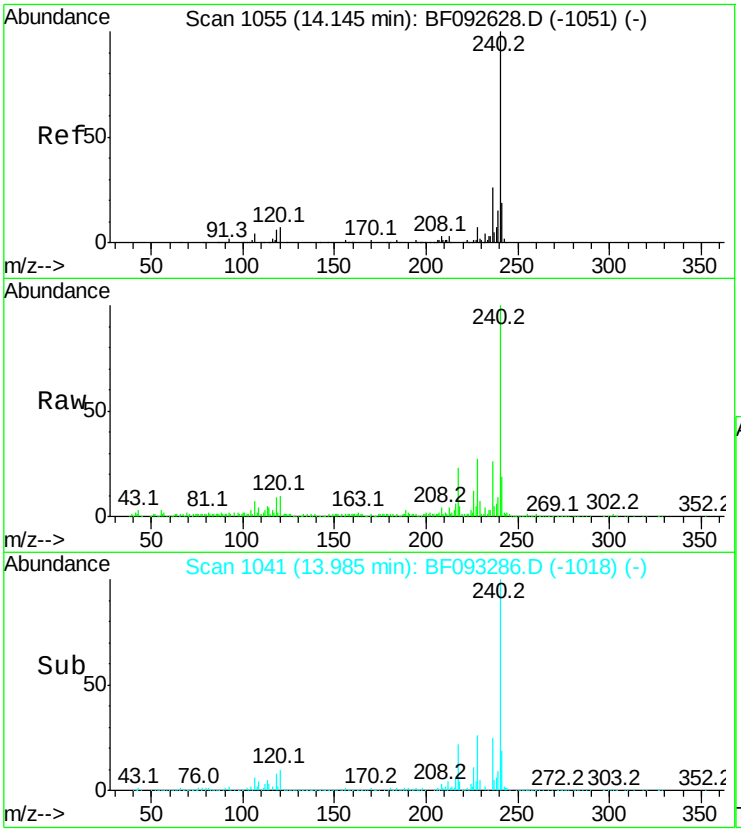



#74
Fluoranthene
Concen: 53.01 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:202 Resp: 1002134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 34.6 |
| 203 | 18.0 | 0.0 | 38.7 |



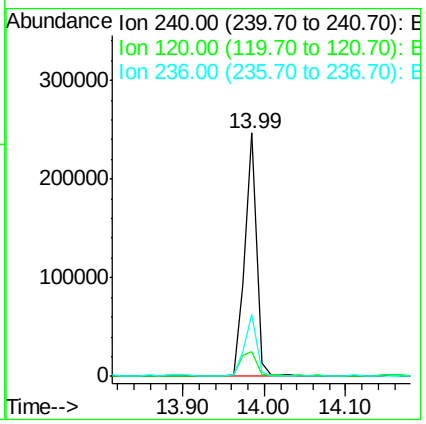


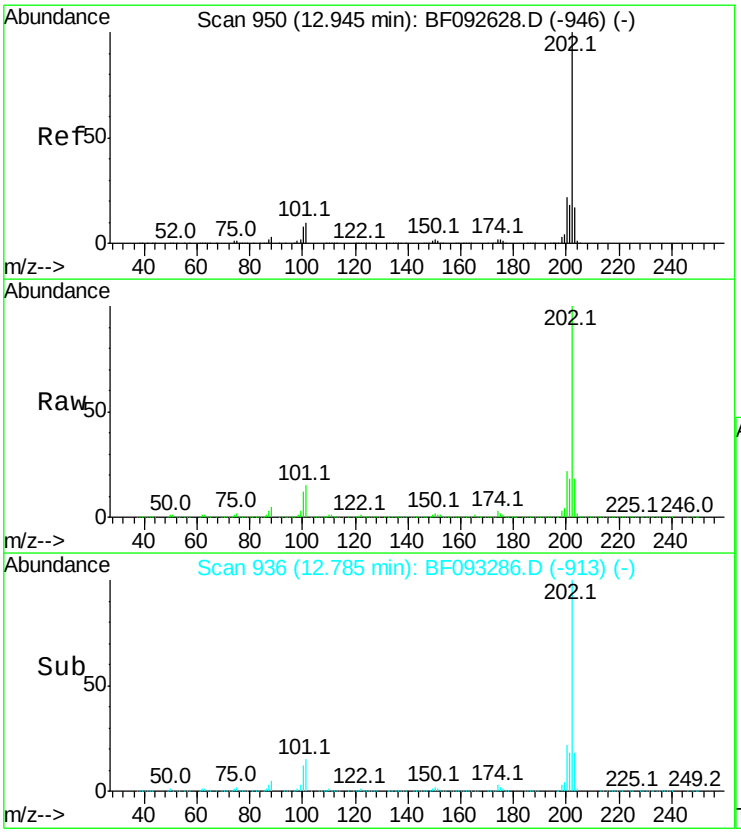

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:240 Resp: 245737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 12.9 | 19.3# |
| 236 | 25.6 | 20.9 | 31.3 |

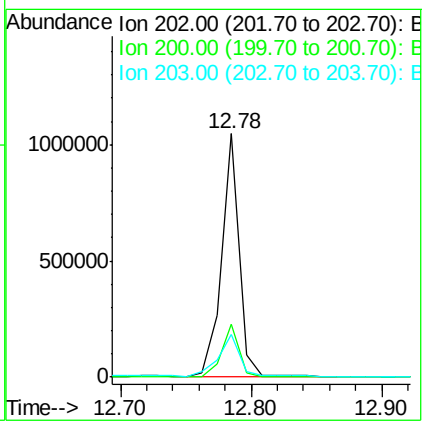


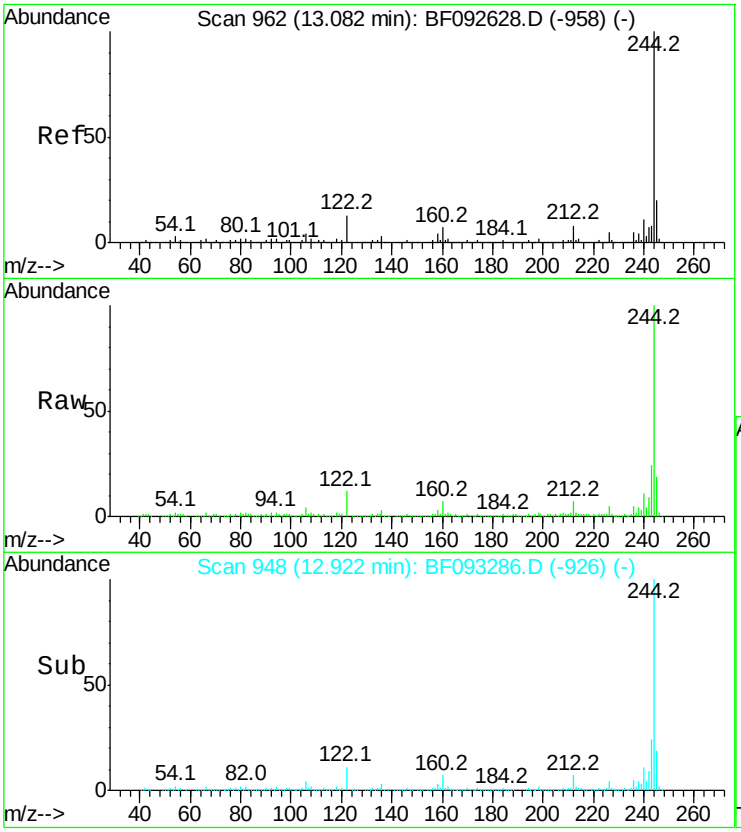




#77
Pyrene
Concen: 53.56 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:202 Resp: 985035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 17.7 | 26.5 |
| 203 | 17.8 | 14.7 | 22.1 |



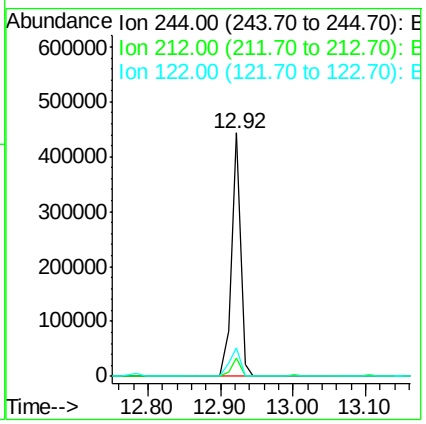


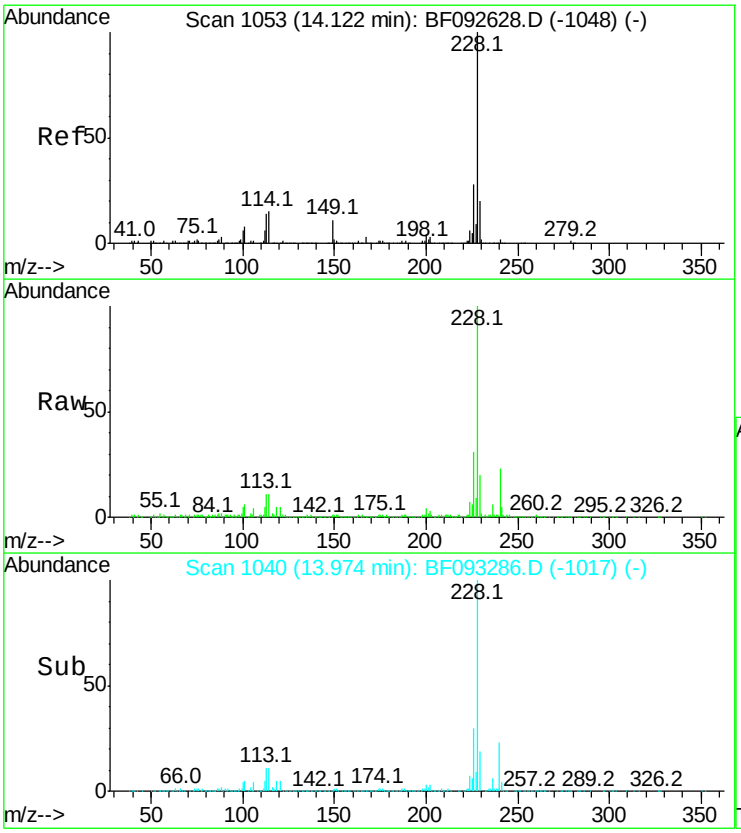

#78
Terphenyl-d14
Concen: 36.26 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:244 Resp: 379186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.2 | 9.2 |
| 122 | 11.5 | 11.4 | 17.2 |

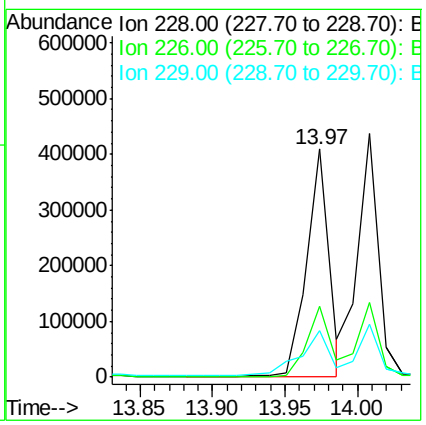


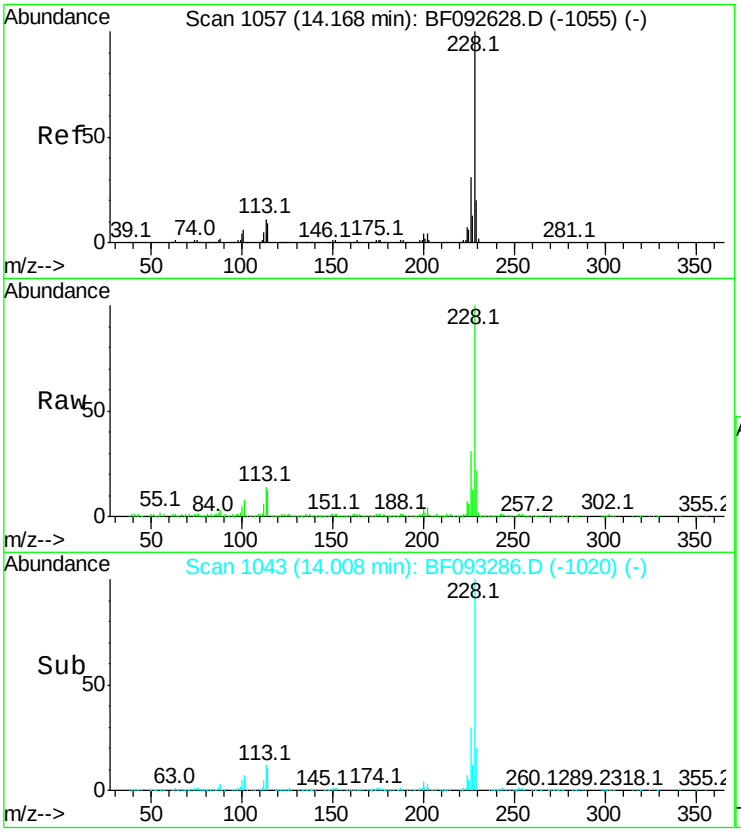




#80
Benzo(a)anthracene
Concen: 28.78 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:228 Resp: 432589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 22.4 | 33.6 |
| 229 | 20.2 | 16.2 | 24.4 |



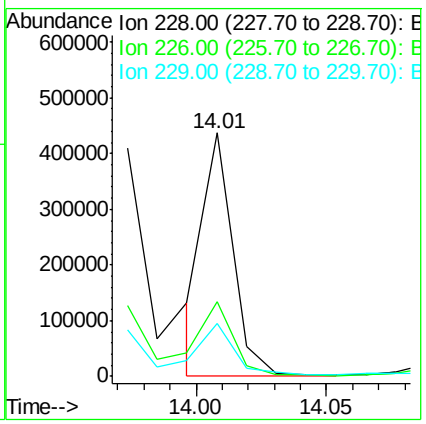


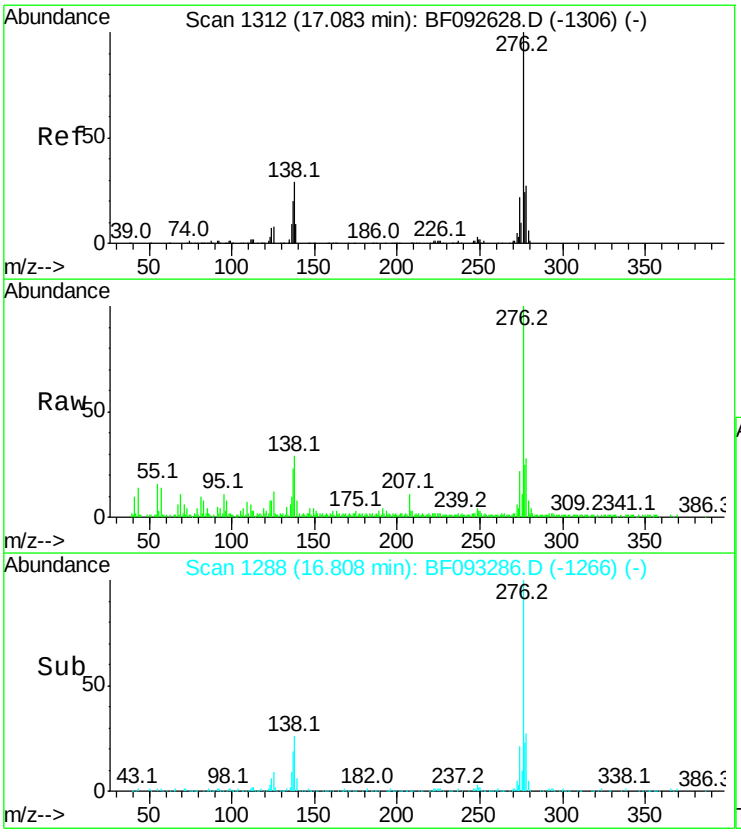

#82
Chrysene
Concen: 24.13 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:228 Resp: 339533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 25.4 | 38.0 |
| 229 | 21.7 | 16.2 | 24.2 |

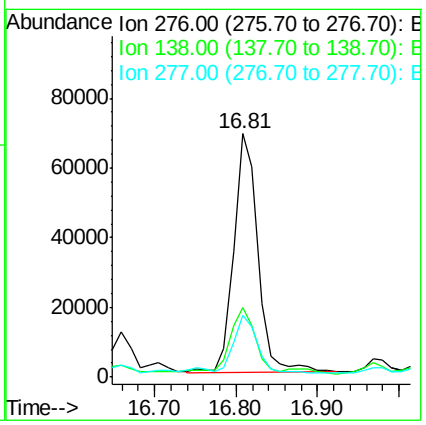


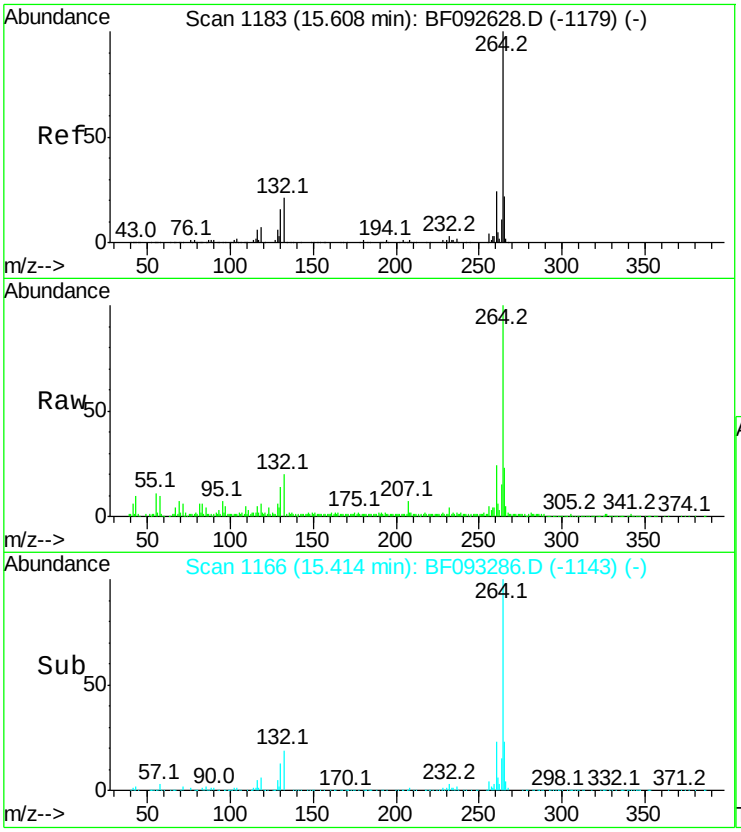




#85
Indeno(1,2,3-cd)pyrene
Concen: 12.83 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:276 Resp: 139810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.3 | 21.8 | 32.6 |
| 277 | 23.5 | 20.2 | 30.4 |



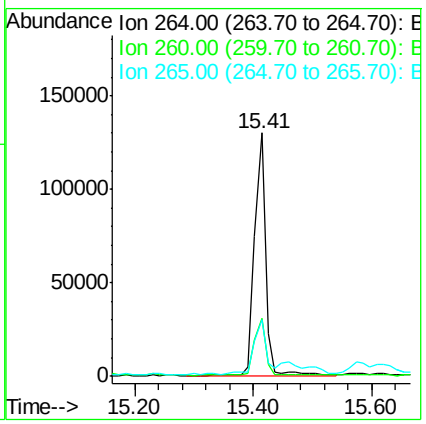


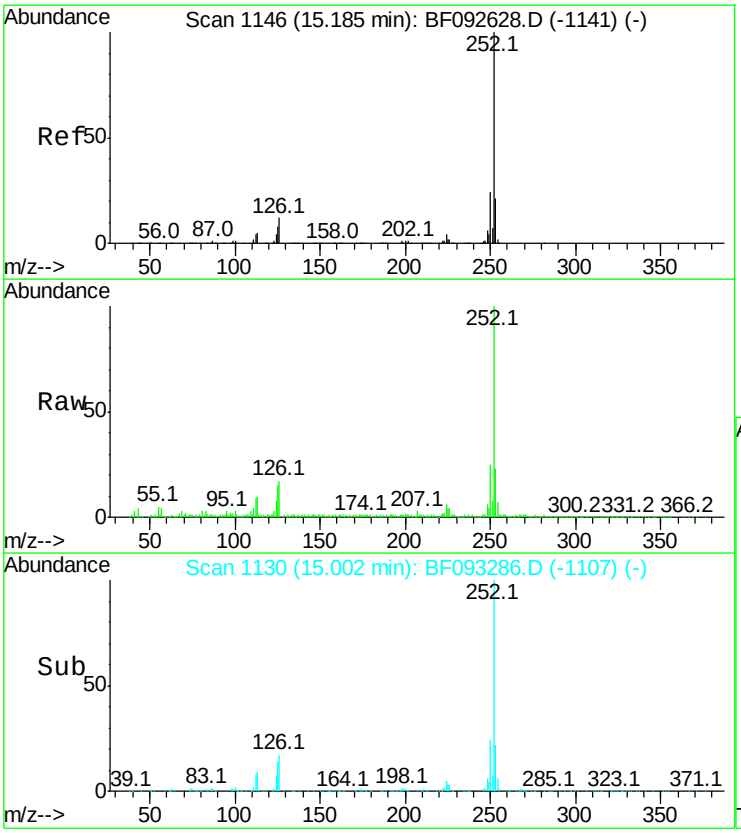

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:264 Resp: 166945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.2 | 28.8 |
| 265 | 23.3 | 17.4 | 26.0 |

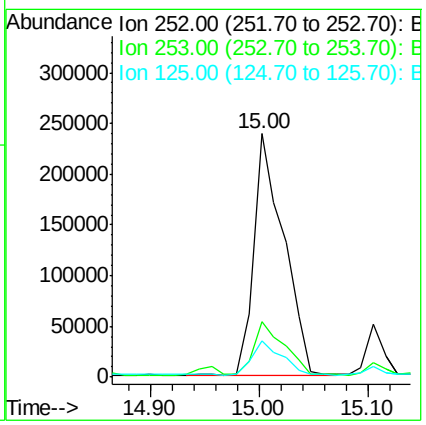


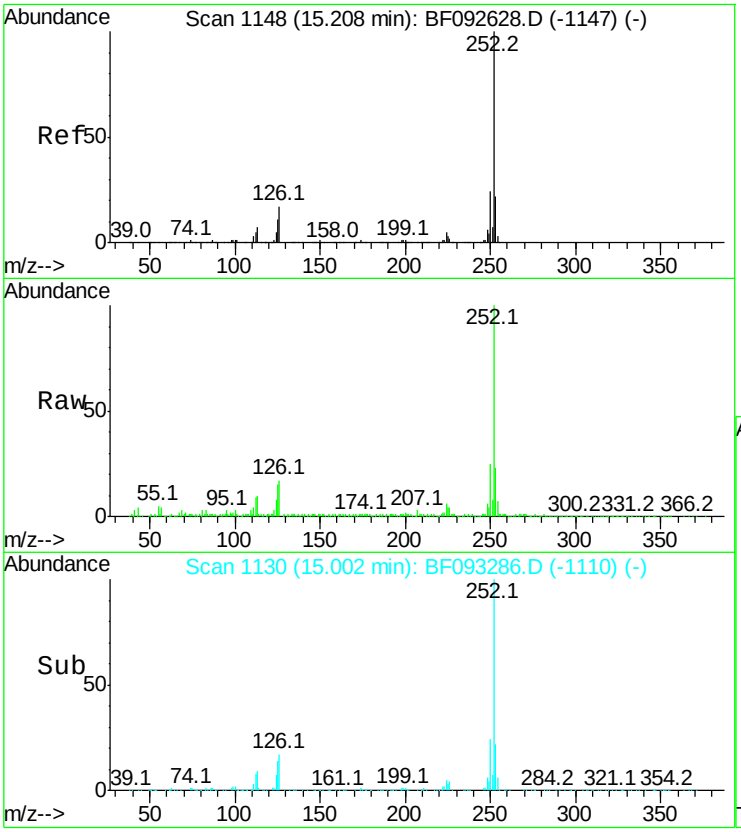




#87
Benzo(b)fluoranthene
Concen: 41.85 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:252 Resp: 459850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 18.2 | 27.4 |
| 125 | 15.0 | 9.8 | 14.6# |



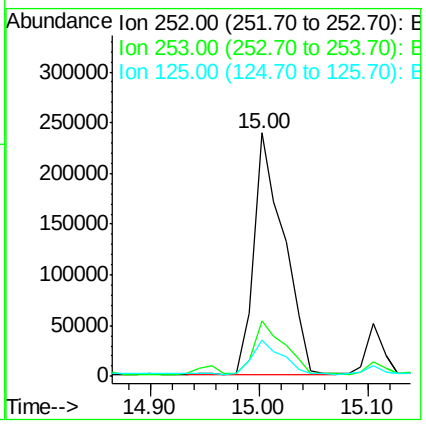


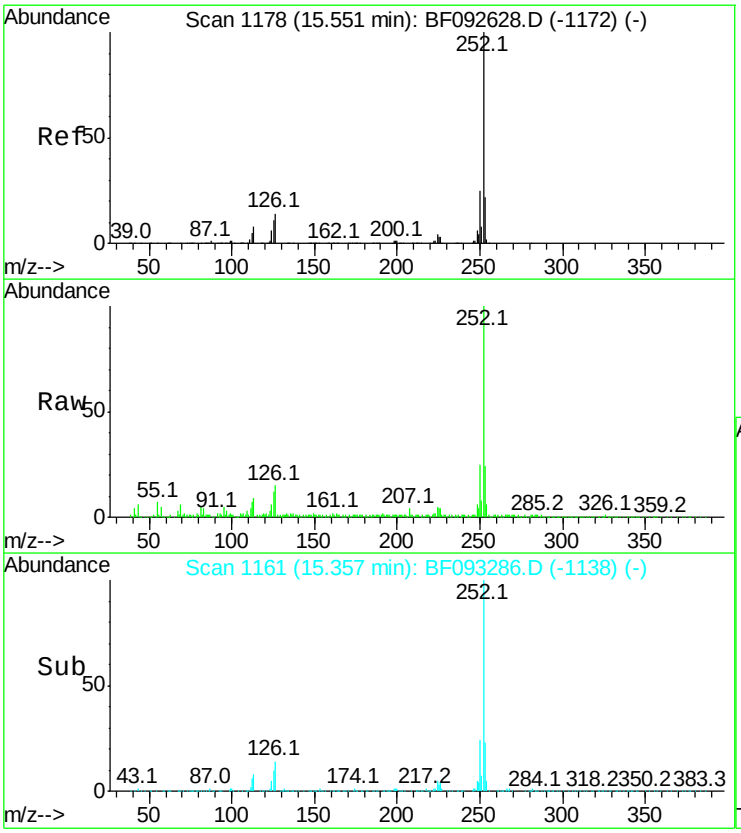

#88
Benzo(k)fluoranthene
Concen: 48.47 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:252 Resp: 459850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 18.5 | 27.7 |
| 125 | 15.0 | 8.9 | 13.3# |

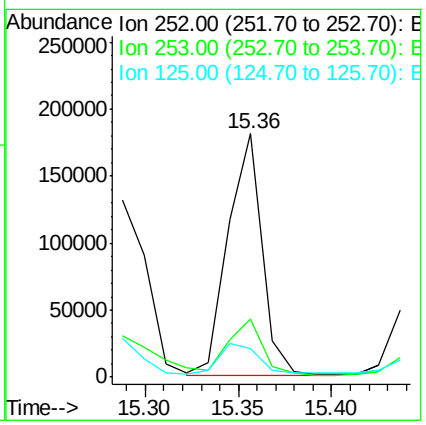


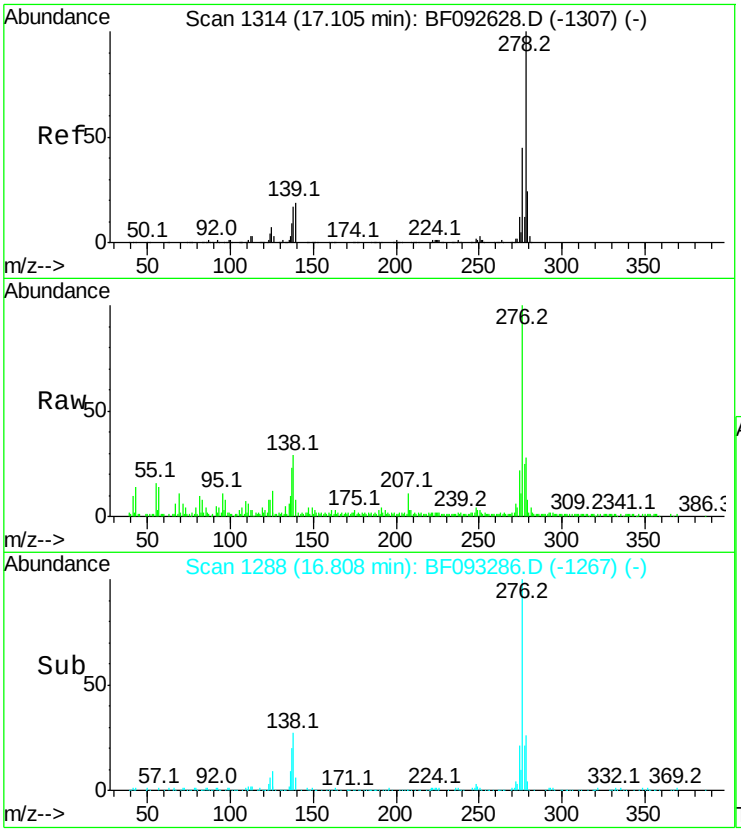




#89
Benzo(a)pyrene
Concen: 24.29 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:252 Resp: 230831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 18.2 | 27.2 |
| 125 | 12.0 | 10.0 | 15.0 |



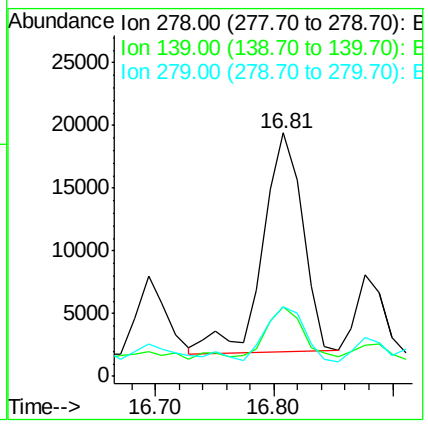


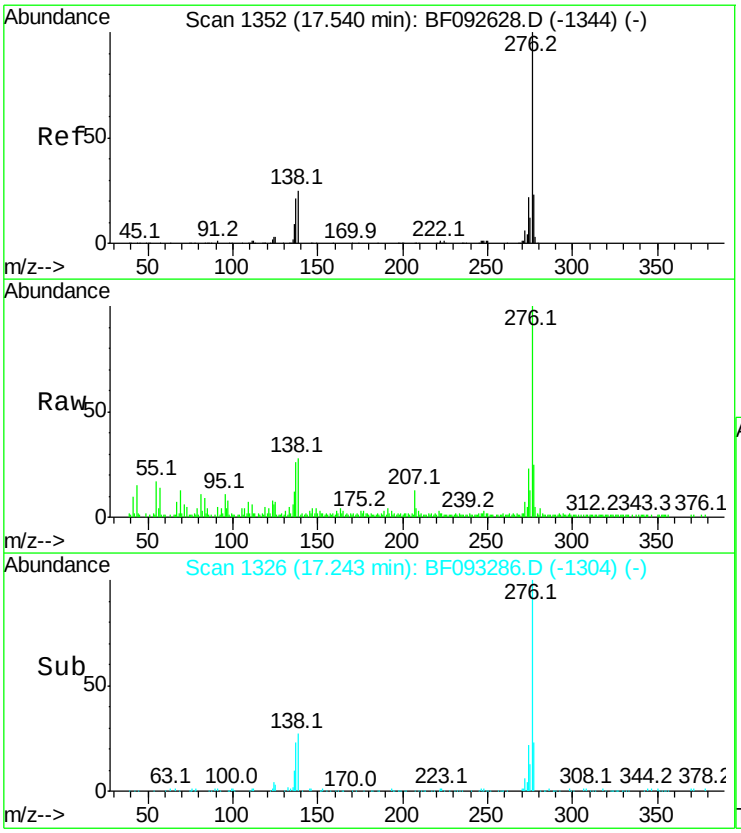

#90
Dibenzo(a,h)anthracene
Concen: 5.29 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

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

Tgt Ion:278 Resp: 40664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.5 | 14.8 | 22.2# |
| 279 | 28.3 | 19.8 | 29.6 |




#91
Benzo(g,h,i)perylene
Concen: 17.77 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:276 Resp: 137916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 19.2 | 28.8 |
| 138 | 28.1 | 16.0 | 24.0# |