Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093784.D
Acq On : 21 Mar 2017 00:27
Operator : SJ/MA
Sample : I2318-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HP-PW-02

Quant Time: Mar 21 01:08:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 239669 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.13 | 136 | 845828 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 418164 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 615202 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.98 | 240 | 396189 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.39 | 264 | 366157 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 169012 | 12.33 | ng | | -0.02 |
| 7) Phenol-d6 | 6.46 | 99 | 217655 | 12.85 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 123648 | 8.29 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 27017 | 8.34 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 241381 | 9.71 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.93 | 244 | 141347 | 7.27 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.37 | 77 | 47217 | 3.94 | ng | # | 1 |
| 18) Hexachloroethane | 7.37 | 117 | 58301 | 9.43 | ng | # | 1 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 67556 | 5.77 | ng | | 99 |
| 31) Naphthalene | 8.16 | 128 | 8495220 | 216.38 | ng | | 96 |
| 33) 4-Chloroaniline | 8.16 | 127 | 1250051 | 74.09 | ng | # | 33 |
| 35) Caprolactam | 8.56 | 113 | 9428 | 2.66 | ng | # | 1 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 3118742 | 121.70 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 723992 | 21.30 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.37 | 162 | 87656 | 3.36 | ng | # | 49 |
| 48) Acenaphthylene | 9.74 | 152 | 520286 | 12.27 | ng | # | 94 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 14840 | 2.27 | ng | # | 1 |
| 51) Acenaphthene | 9.91 | 154 | 251838 | 9.94 | ng | # | 87 |
| 54) Dibenzofuran | 10.08 | 168 | 369794 | 10.85 | ng | # | 86 |
| 55) 4-Nitrophenol | 9.91 | 139 | 14008 | 2.38 | ng | | 79 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 32571 | 3.93 | ng | # | 60 |
| 57) Fluorene | 10.42 | 166 | 1207083 | 46.24 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 83812 | 4.09 | ng | # | 65 |
| 70) Phenanthrene | 11.39 | 178 | 3119127 | 95.20 | ng | | 98 |
| 71) Anthracene | 11.43 | 178 | 1178928 | 34.95 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 100755 | 3.02 | ng | | 98 |
| 74) Fluoranthene | 12.57 | 202 | 1612168 | 47.87 | ng | | 96 |
| 77) Pyrene | 12.79 | 202 | 2296472 | 69.65 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 937764 | 37.79 | ng | | 94 |
| 82) Chrysene | 14.00 | 228 | 625212 | 25.22 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.75 | 276 | 273199 | 13.46 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 981841 | 39.78 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 981841 | 53.87 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.33 | 252 | 637039 | 31.83 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.76 | 278 | 73681 | 4.43 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.16 | 276 | 261659 | 15.86 | ng | | 98 |

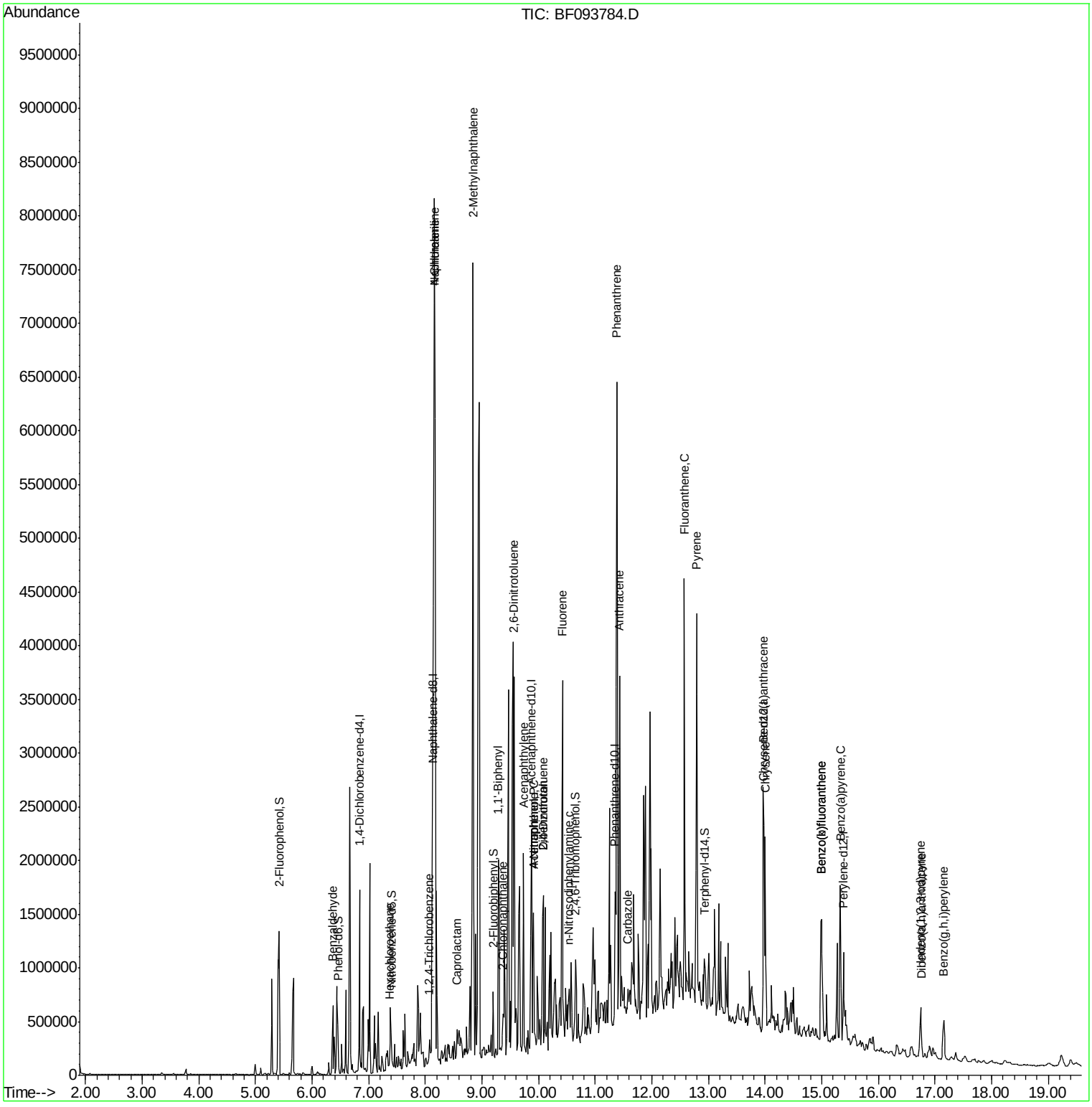
(#) = qualifier out of range (m) = manual integration (+) = signals summed

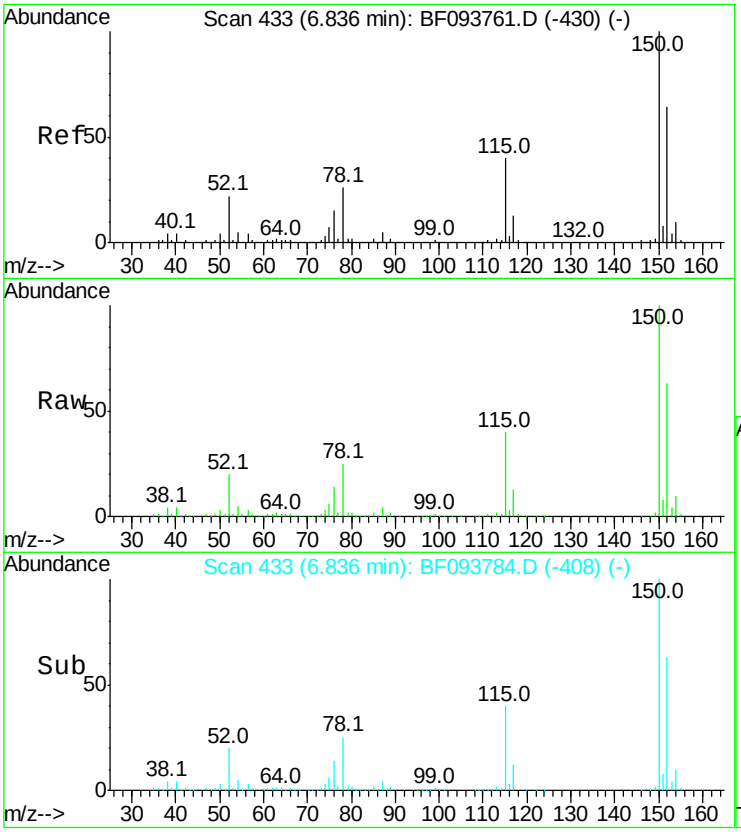
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093784.D
Acq On : 21 Mar 2017 00:27
Operator : SJ/MA
Sample : I2318-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Quant Time: Mar 21 01:08:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
Response via : Initial Calibration



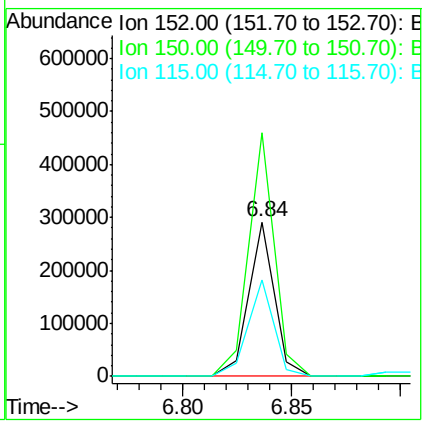


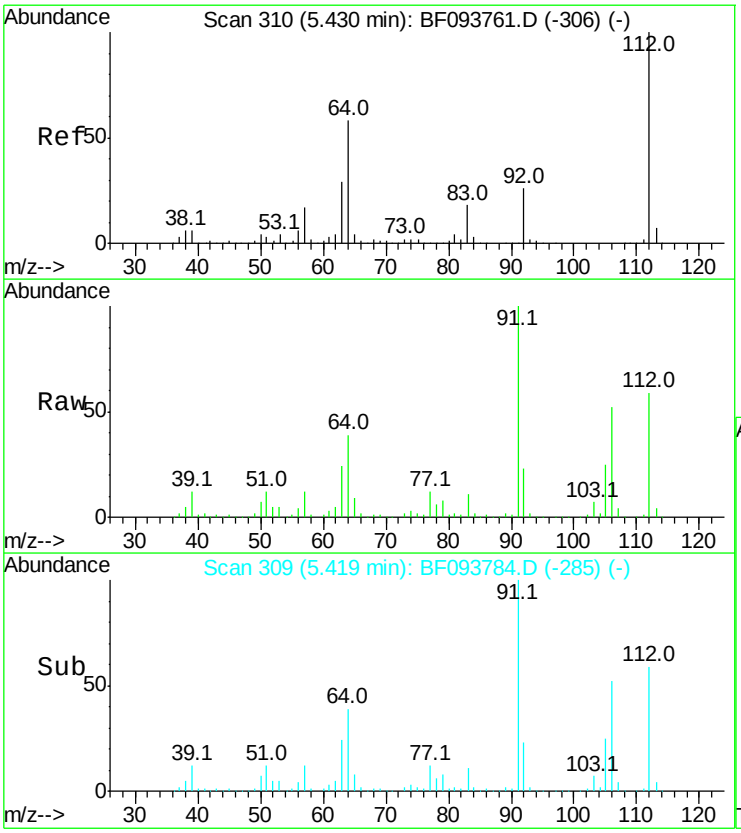

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:152 Resp: 239669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.6 | 126.2 | 189.2 |
| 115 | 62.7 | 52.2 | 78.2 |

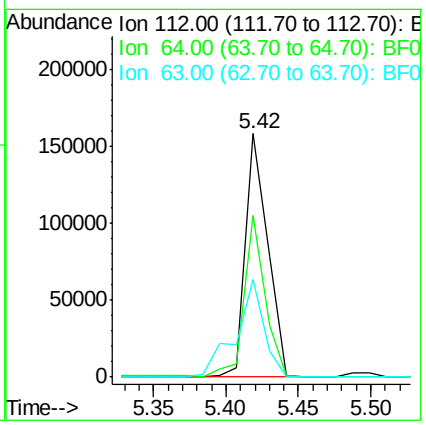


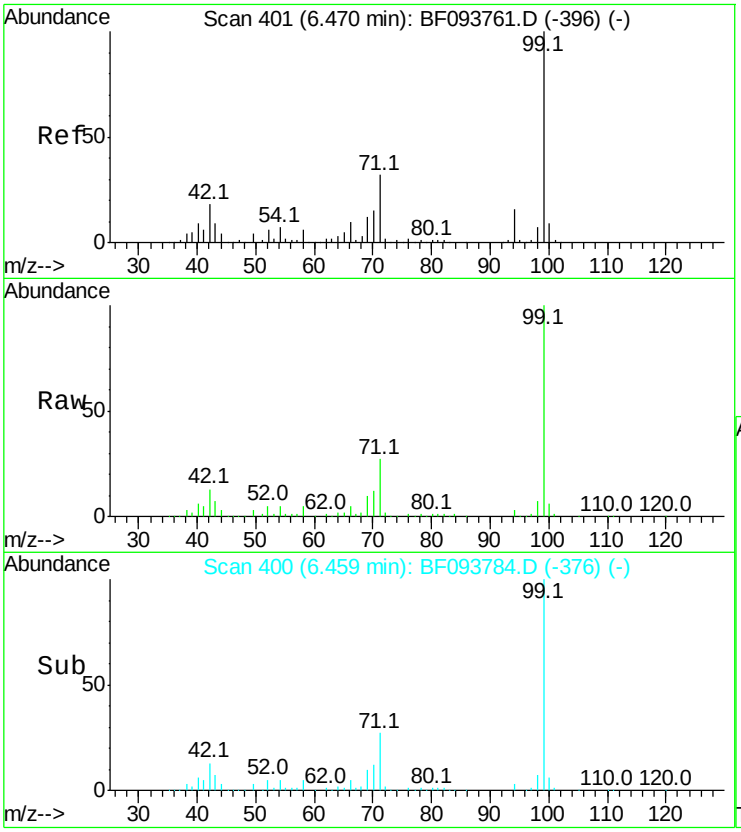




#5
2-Fluorophenol
Concen: 12.33 ng
RT: 5.42 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:112 Resp: 169012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.3 | 46.0 | 69.0 |
| 63 | 40.2 | 23.4 | 35.0# |



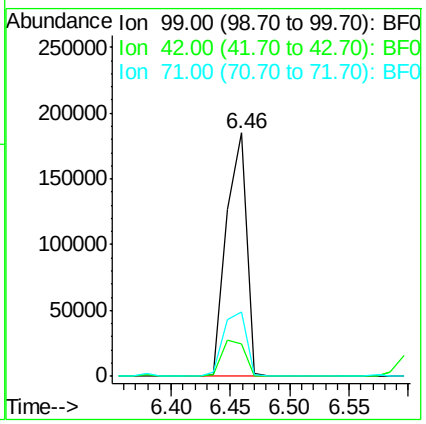


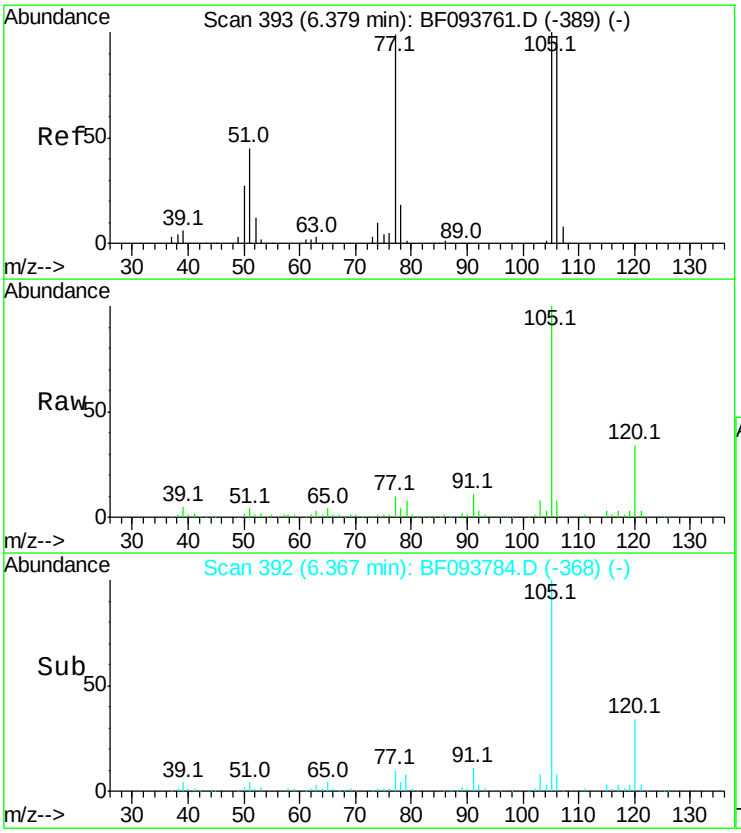

#7
Phenol-d6
Concen: 12.85 ng
RT: 6.46 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion: 99 Resp: 217655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 13.5 | 20.3# |
| 71 | 26.5 | 24.5 | 36.7 |

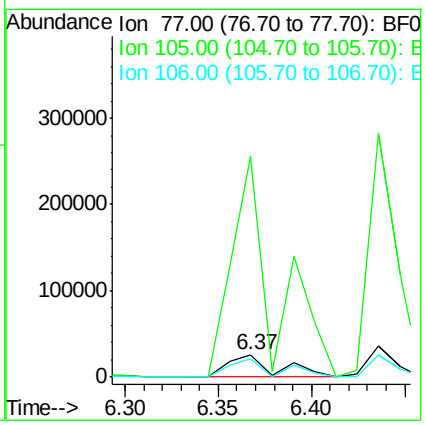


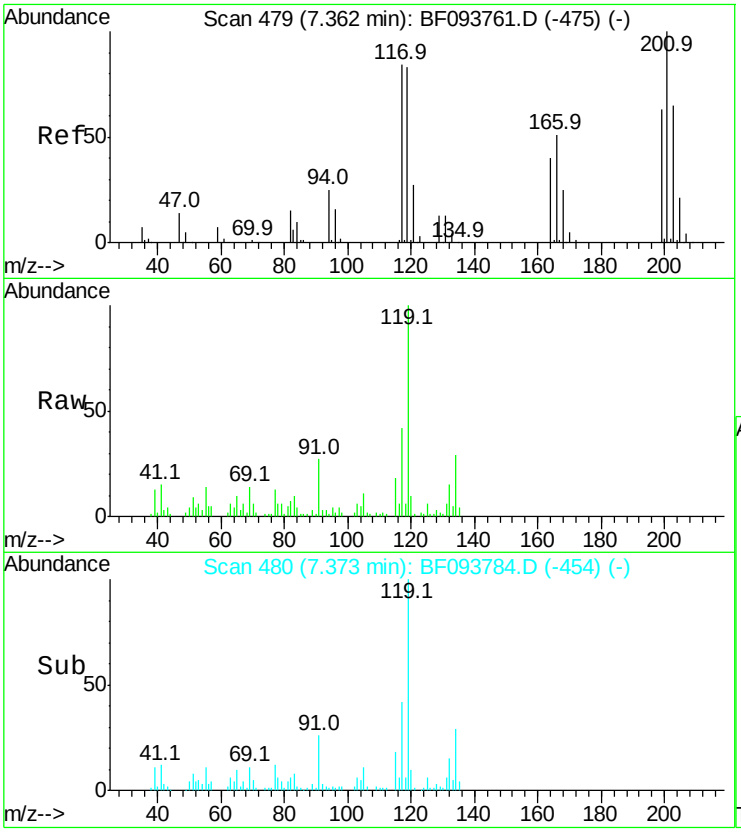




#9
Benzaldehyde
Concen: 3.94 ng
RT: 6.37 min Scan# 392
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion: 77 Resp: 47217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 976.4 | 83.8 | 123.8# |
| 106 | 81.2 | 79.1 | 119.1 |



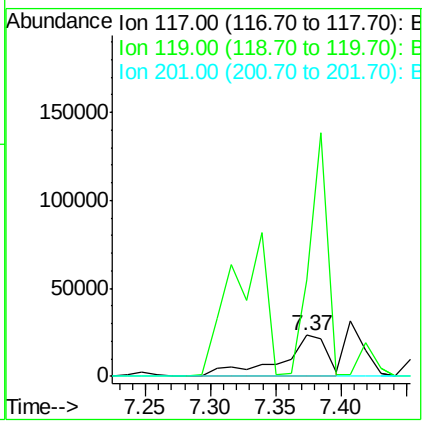


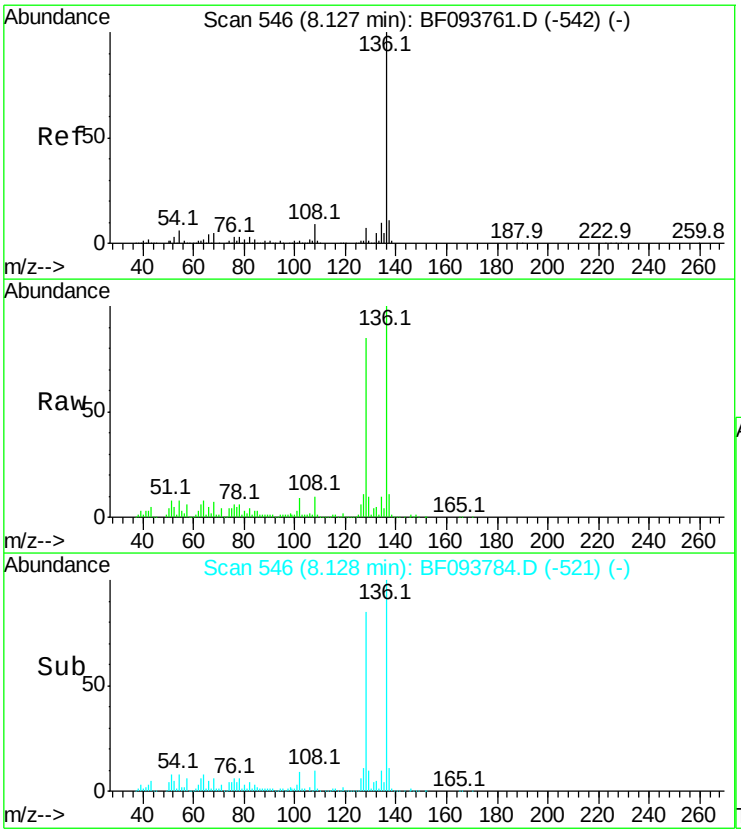

#18
Hexachloroethane
Concen: 9.43 ng
RT: 7.37 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:117 Resp: 58301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 235.9 | 77.4 | 116.0# |
| 201 | 0.0 | 94.6 | 141.8# |

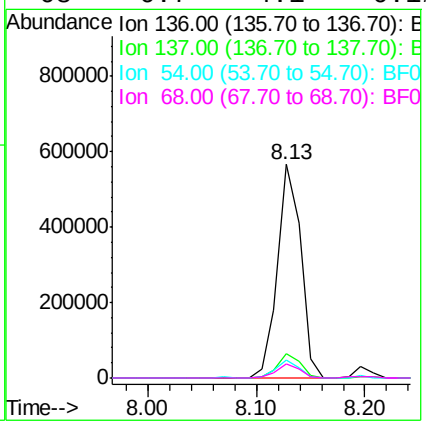


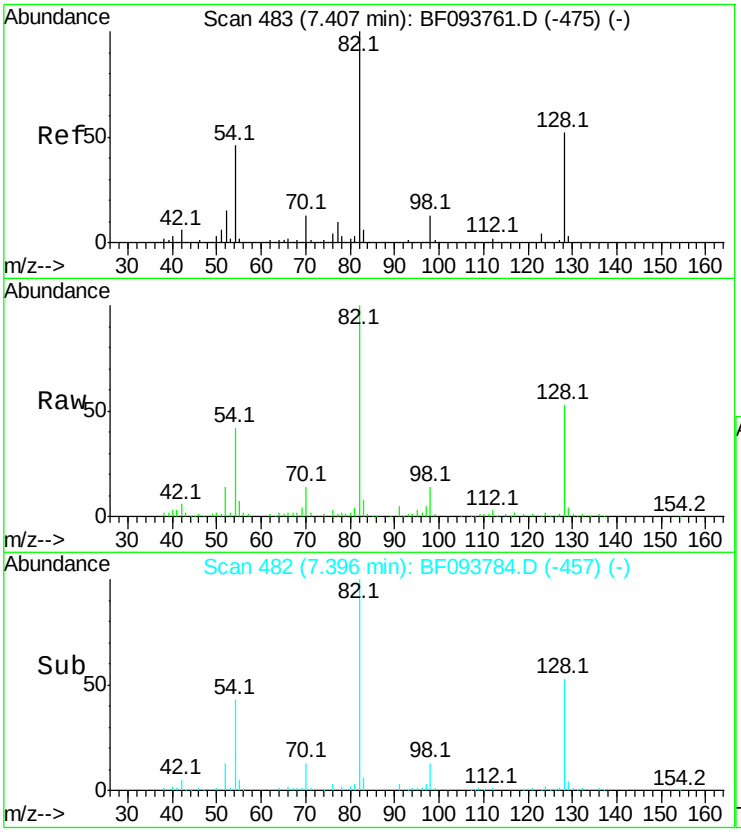




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:136 Resp: 845828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.5 | 12.7 |
| 54 | 8.3 | 4.9 | 7.3# |
| 68 | 6.7 | 4.1 | 6.1# |



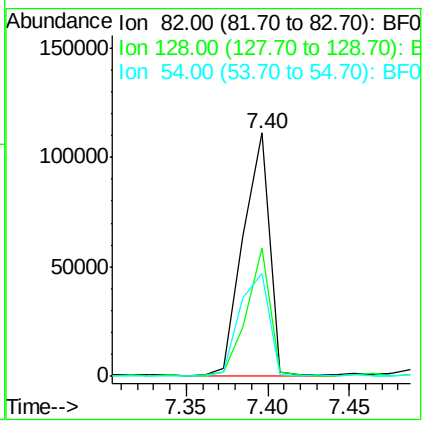


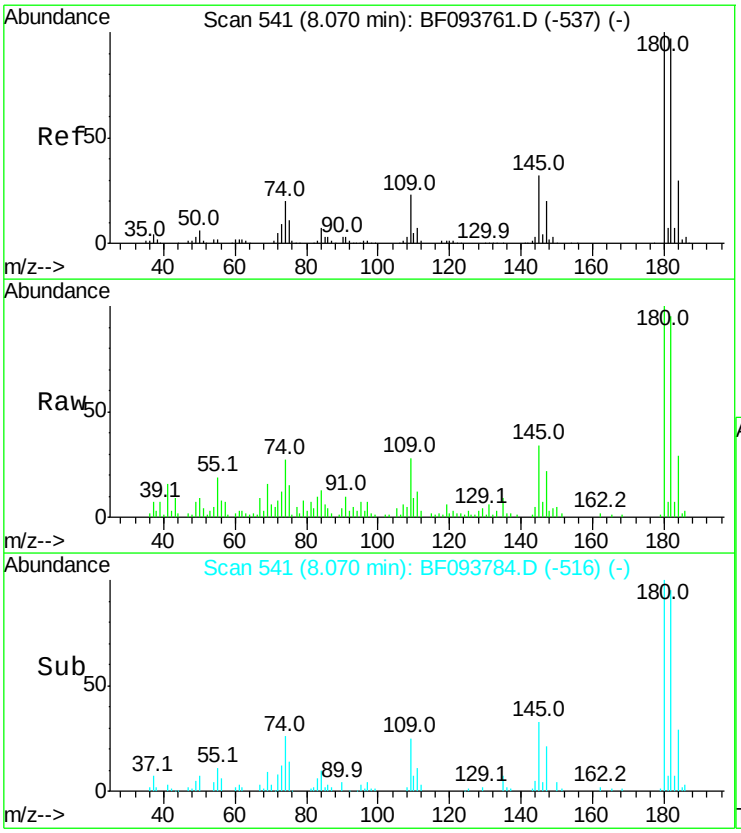

#23
Nitrobenzene-d5
Concen: 8.29 ng
RT: 7.40 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion: 82 Resp: 123648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.6 | 34.0 | 51.0# |
| 54 | 42.5 | 42.2 | 63.2 |

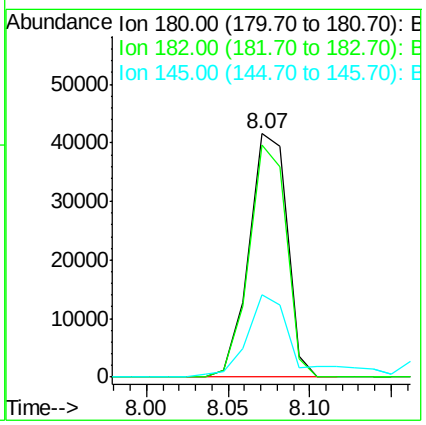


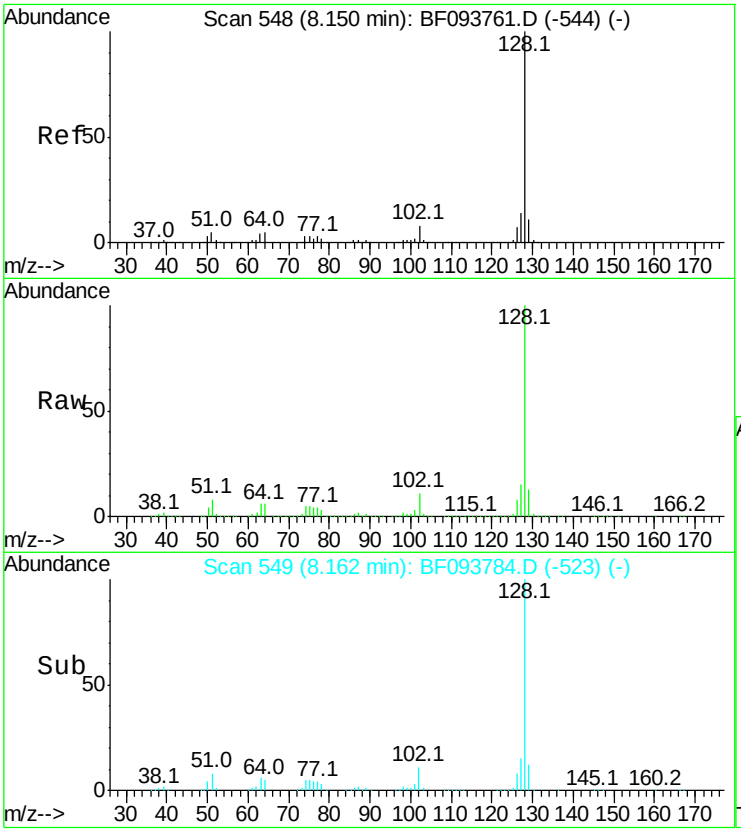




#30
1,2,4-Trichlorobenzene
Concen: 5.77 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:180 Resp: 67556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 75.8 | 113.6 |
| 145 | 33.6 | 25.3 | 37.9 |



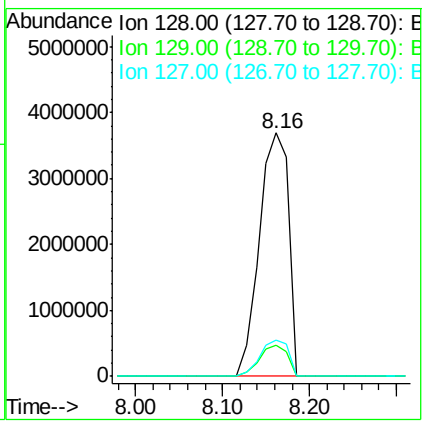


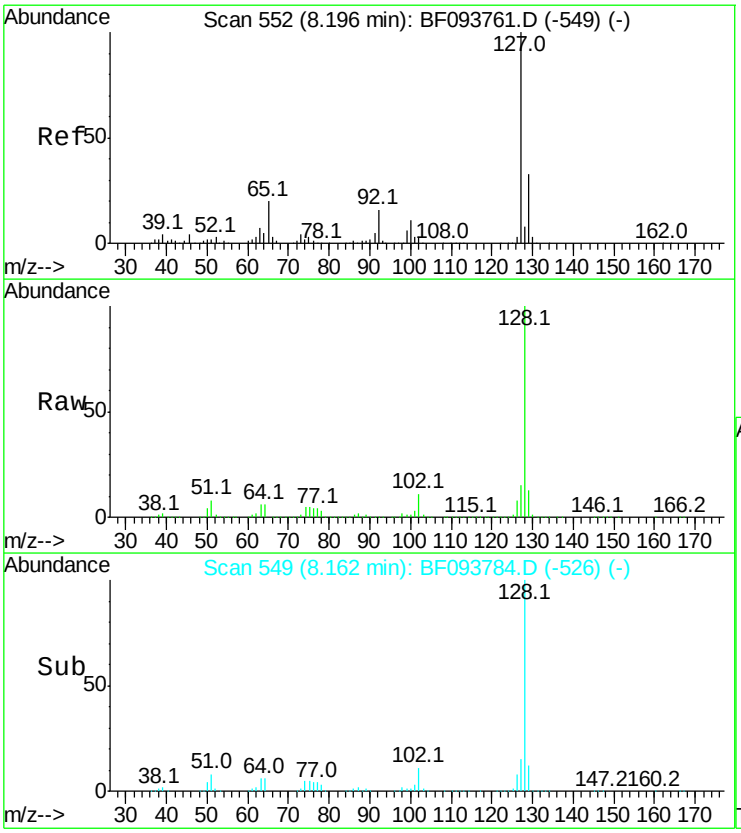

#31
Naphthalene
Concen: 216.38 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:128 Resp: 8495220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.6 | 9.0 | 13.6 |
| 127 | 15.1 | 10.8 | 16.2 |

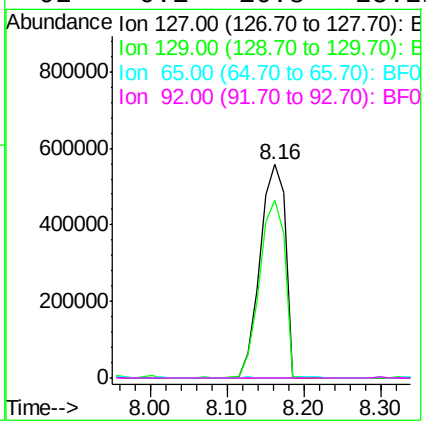


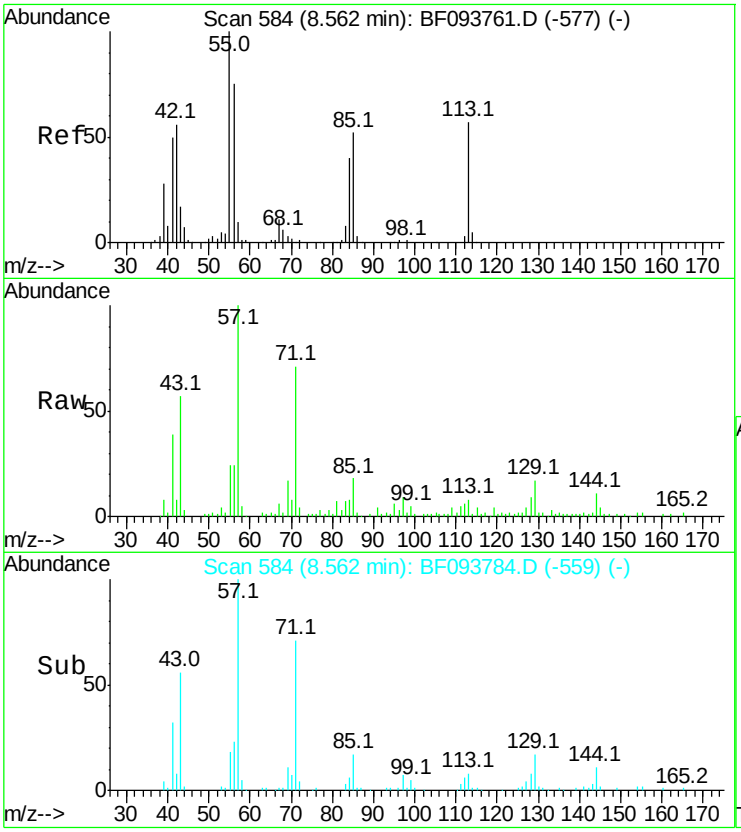




#33
4-Chloroaniline
Concen: 74.09 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:127 Resp: 1250051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 83.1 | 26.2 | 39.2# |
| 65 | 0.0 | 27.8 | 41.8# |
| 92 | 0.1 | 16.8 | 25.2# |



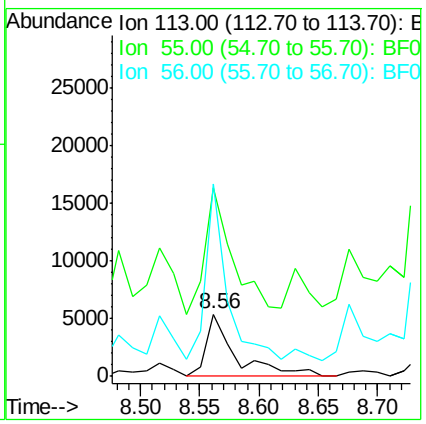


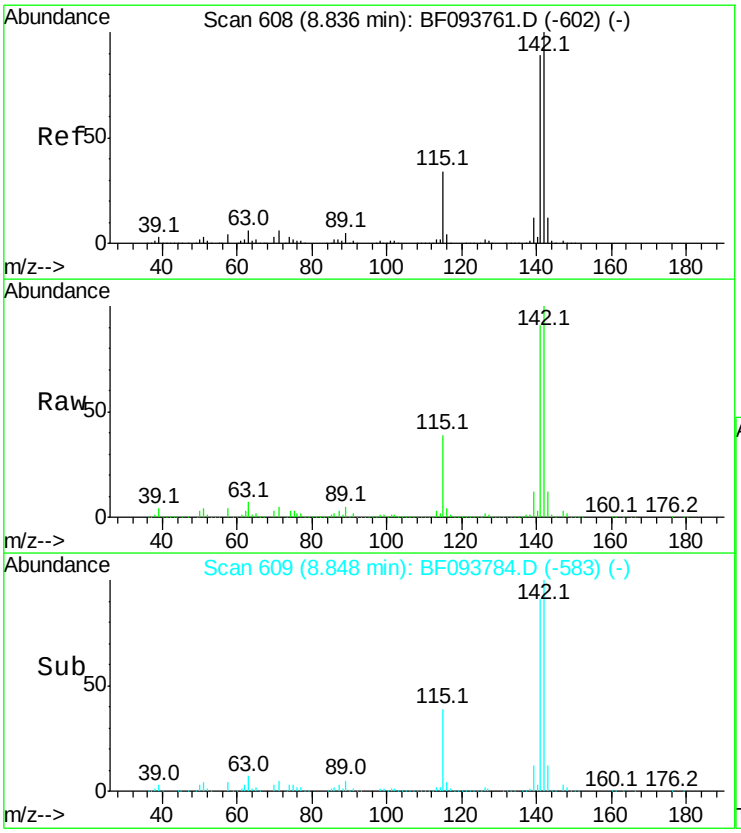

#35
Caprolactam
Concen: 2.66 ng
RT: 8.56 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:113 Resp: 9428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 302.5 | 150.2 | 190.2# |
| 56 | 308.9 | 107.8 | 147.8# |

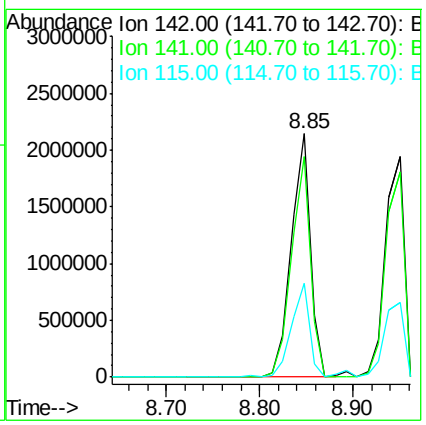


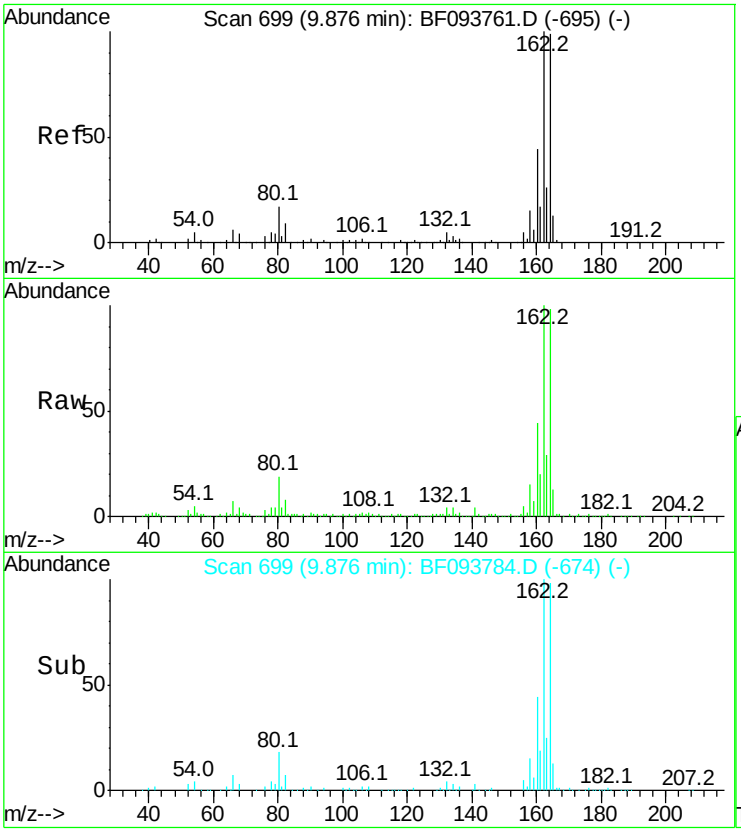




#37
2-Methylnaphthalene
Concen: 121.70 ng
RT: 8.85 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:142 Resp: 3118742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 71.3 | 106.9 |
| 115 | 38.6 | 27.1 | 40.7 |



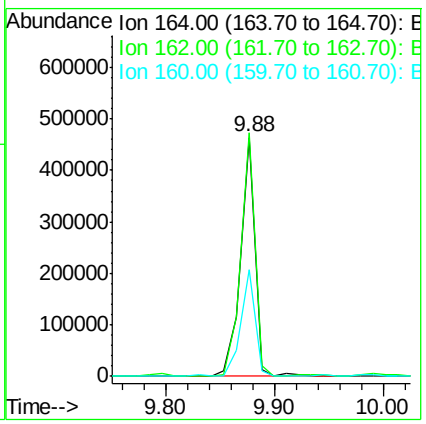


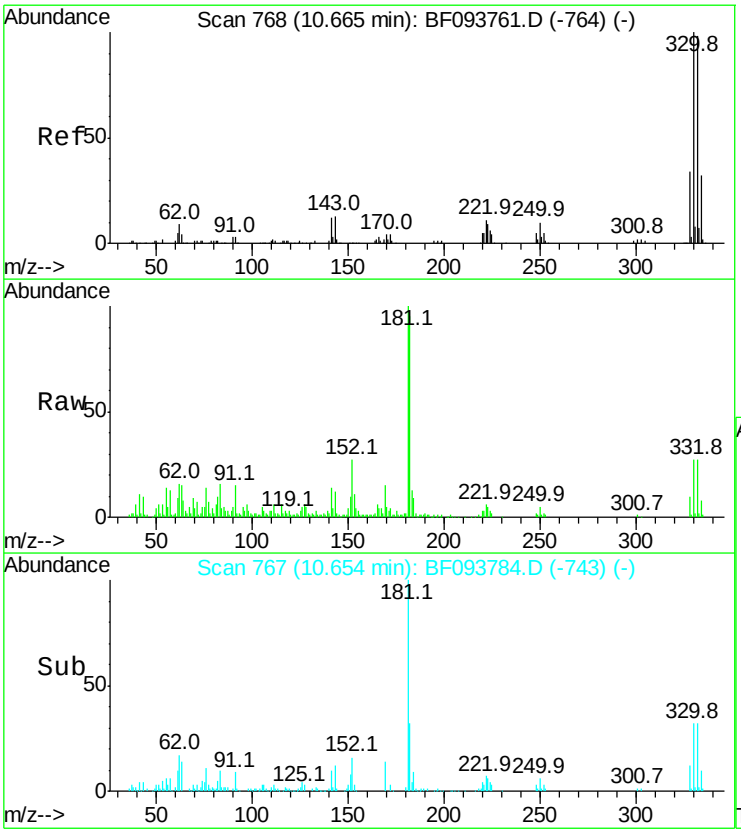

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:164 Resp: 418164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 82.6 | 123.8 |
| 160 | 44.8 | 36.2 | 54.2 |

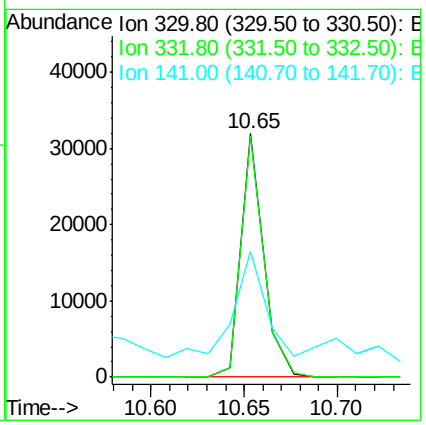


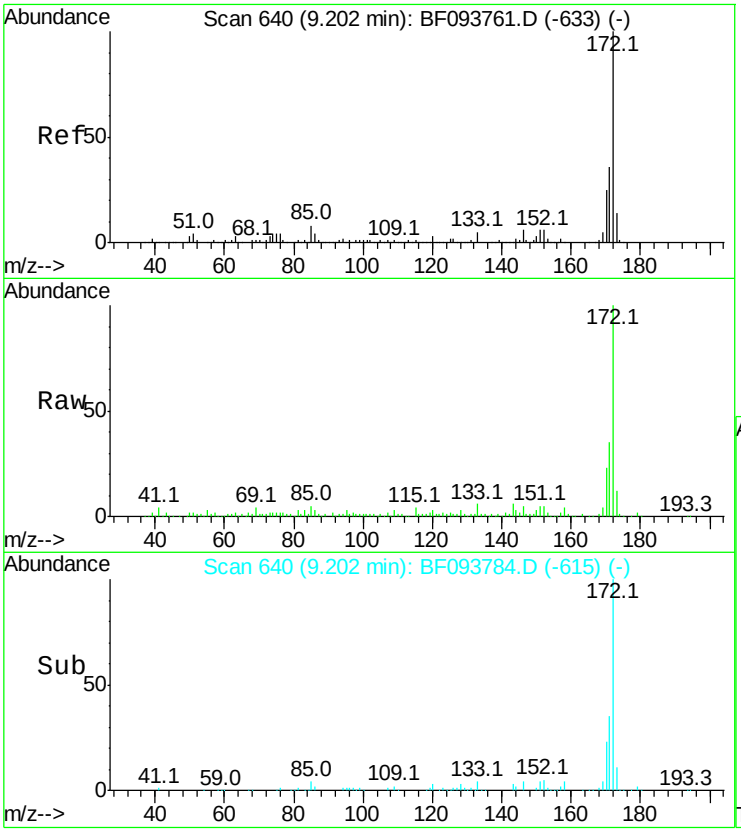




#41
2,4,6-Tribromophenol
Concen: 8.34 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:330 Resp: 27017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.7 | 76.6 | 115.0 |
| 141 | 65.1 | 31.4 | 47.2# |



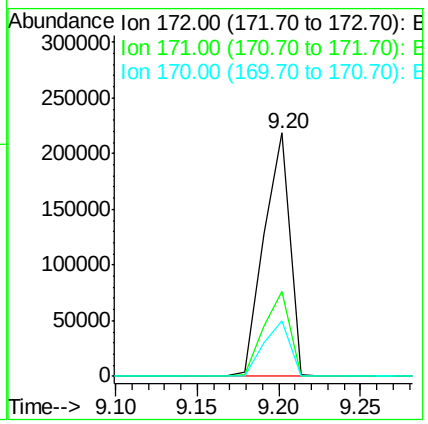


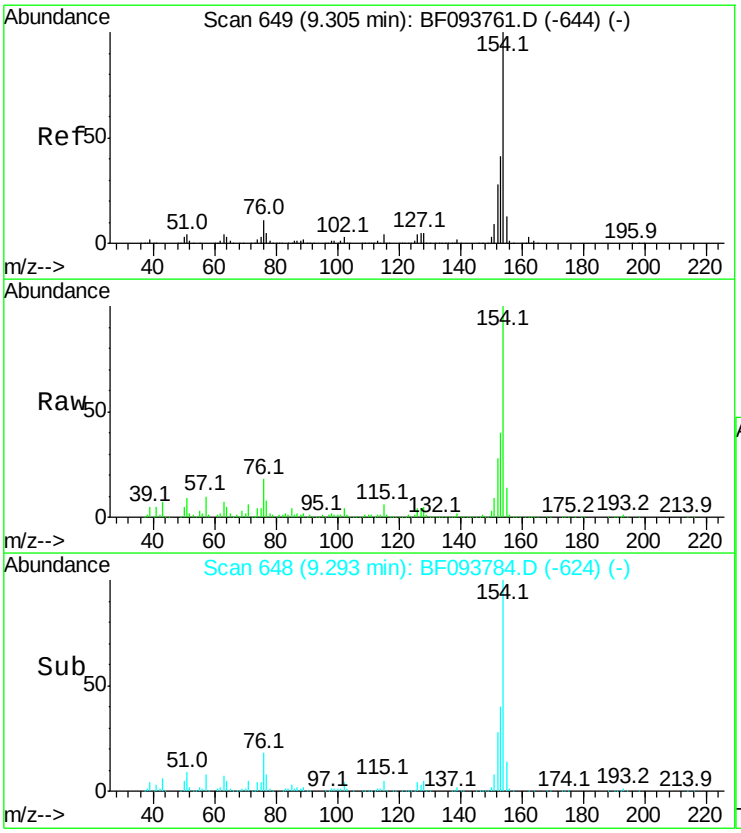

#44
2-Fluorobiphenyl
Concen: 9.71 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:172 Resp: 241381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.6 | 44.4 |
| 170 | 22.9 | 19.8 | 29.8 |

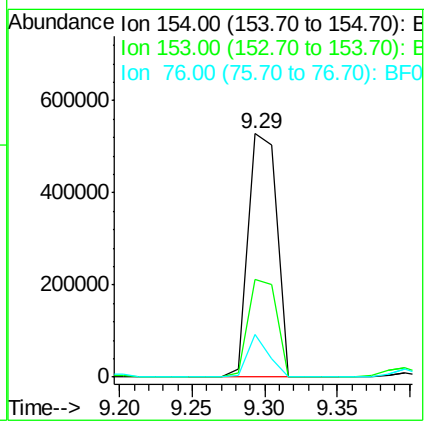


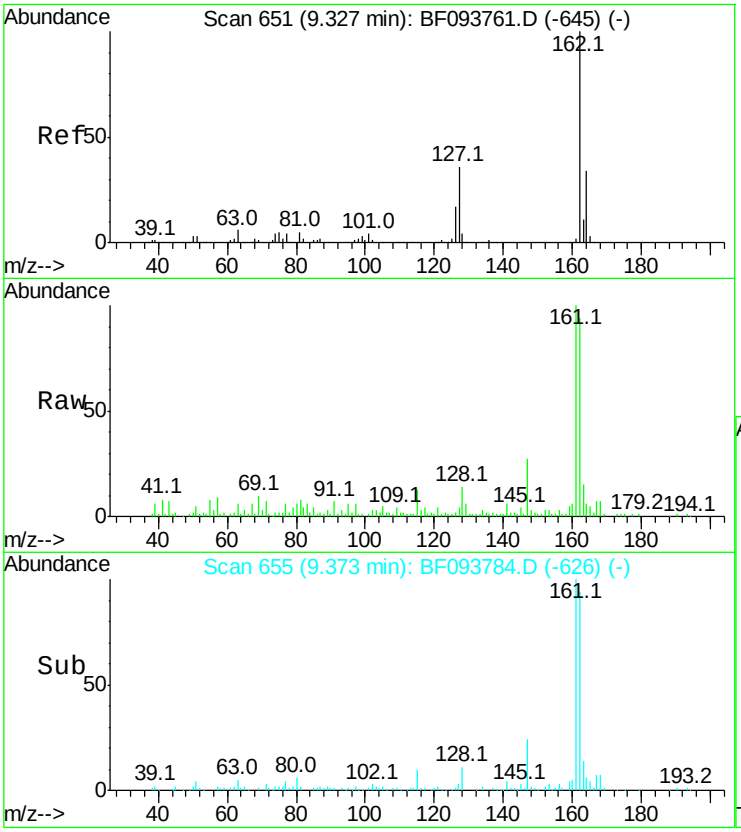




#45
1,1'-Biphenyl
Concen: 21.30 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:154 Resp: 723992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 21.2 | 61.2 |
| 76 | 17.6 | 0.0 | 29.9 |



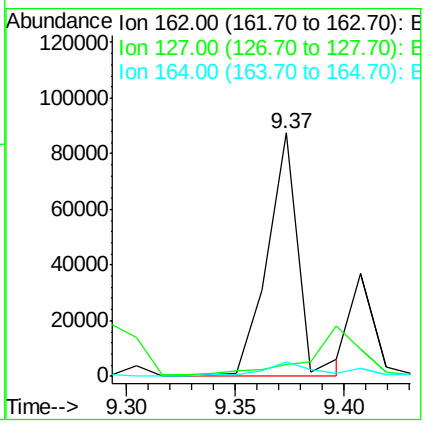


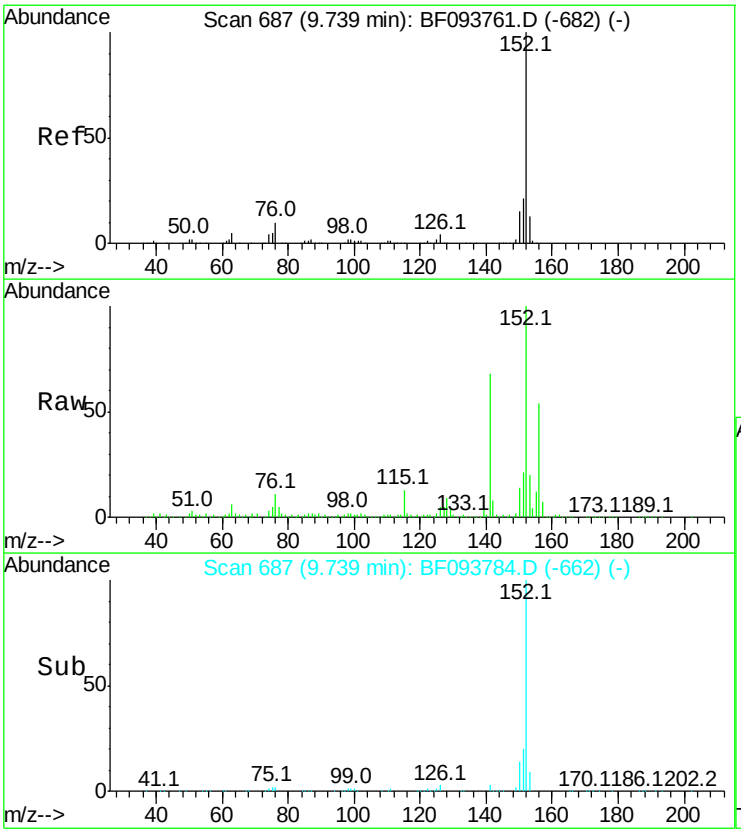

#46
2-Chloronaphthalene
Concen: 3.36 ng
RT: 9.37 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:162 Resp: 87656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 4.7 | 28.3 | 42.5# |
| 164 | 5.9 | 27.0 | 40.4# |

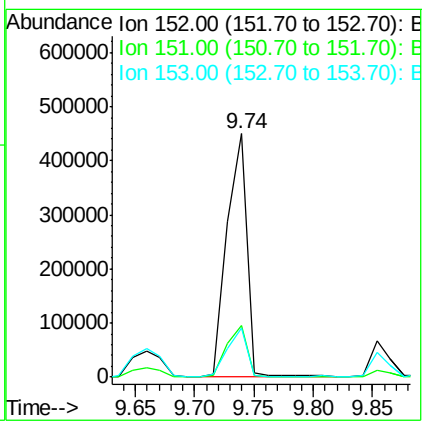


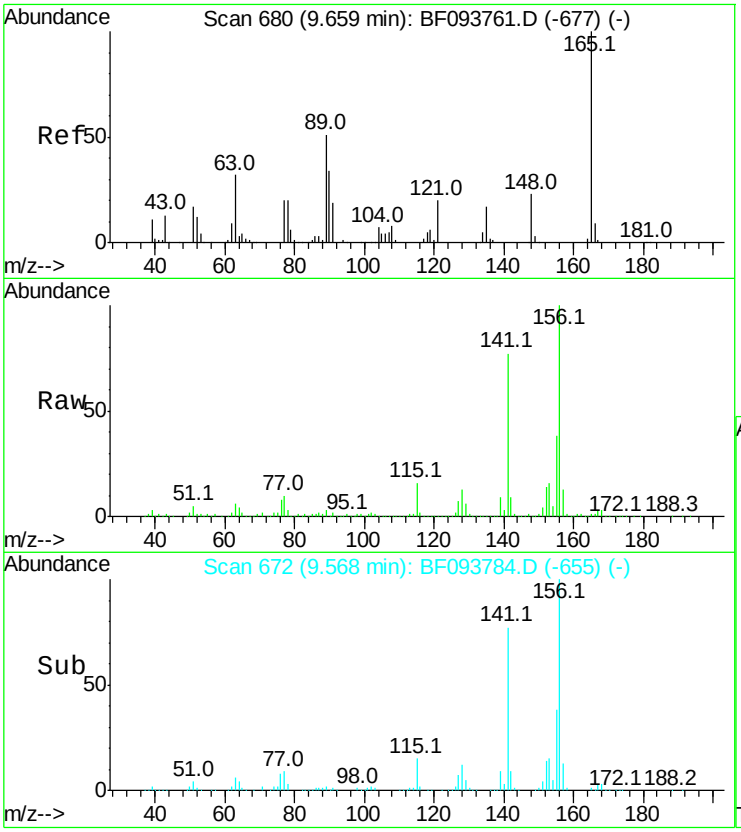




#48
Acenaphthylene
Concen: 12.27 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:152 Resp: 520286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.8 | 25.2 |
| 153 | 19.9 | 10.8 | 16.2# |



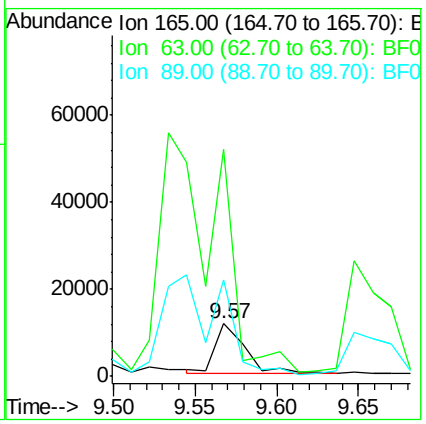


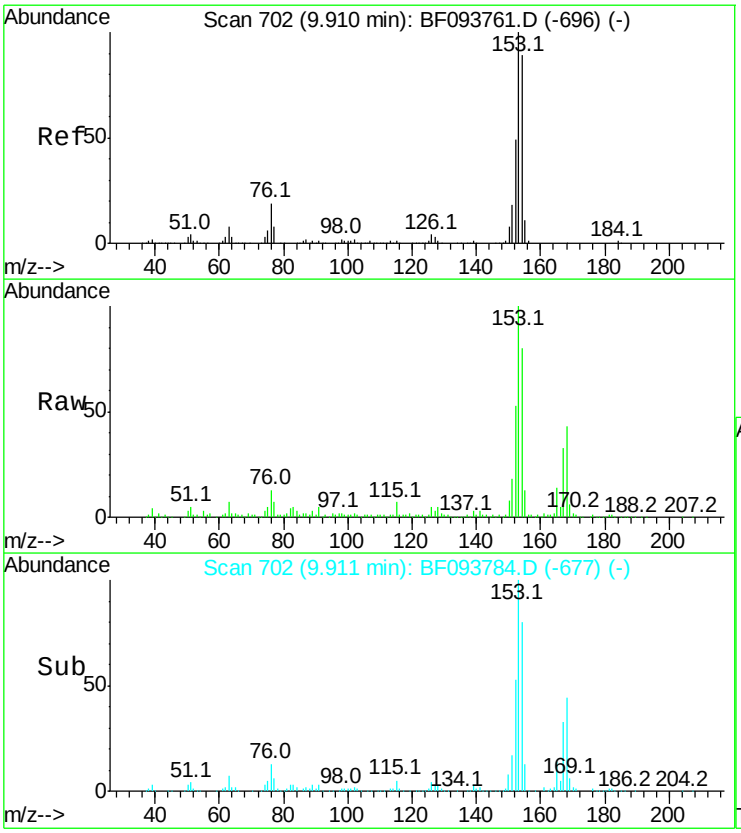

#50
2,6-Dinitrotoluene
Concen: 2.27 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.10 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:165 Resp: 14840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 430.8 | 34.3 | 51.5# |
| 89 | 183.1 | 37.1 | 55.7# |

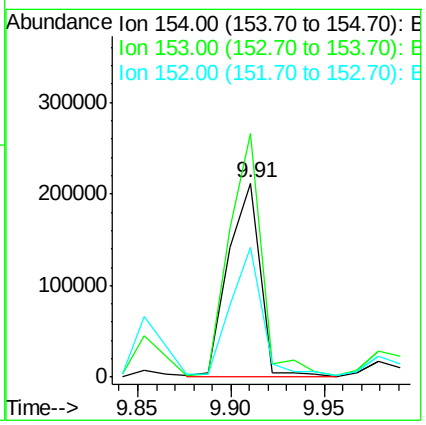


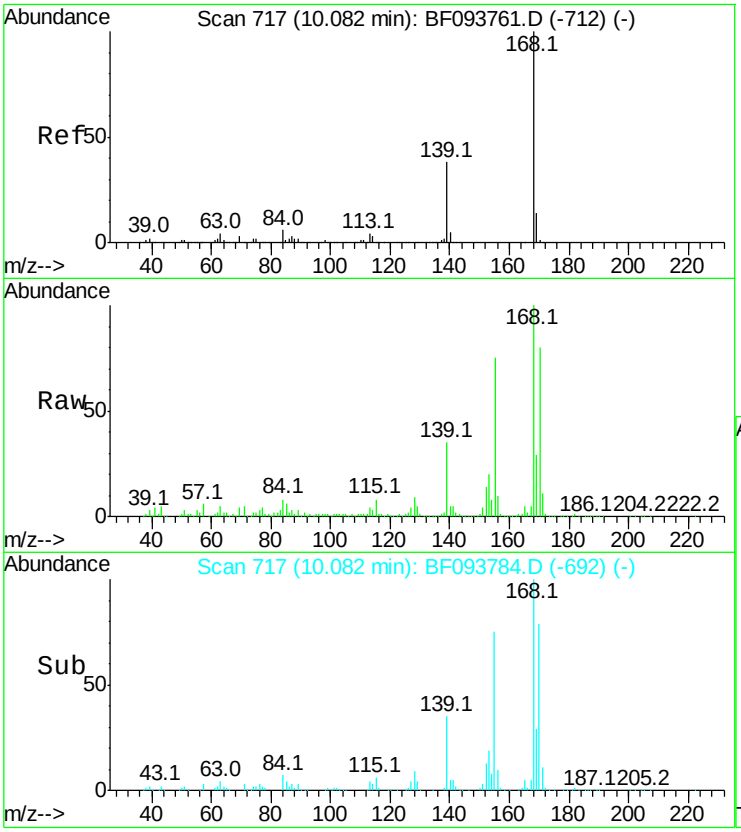




#51
Acenaphthene
Concen: 9.94 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:154 Resp: 251838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 125.3 | 90.5 | 135.7 |
| 152 | 66.9 | 43.6 | 65.4# |



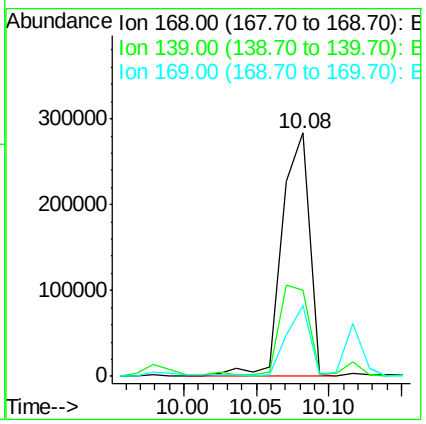


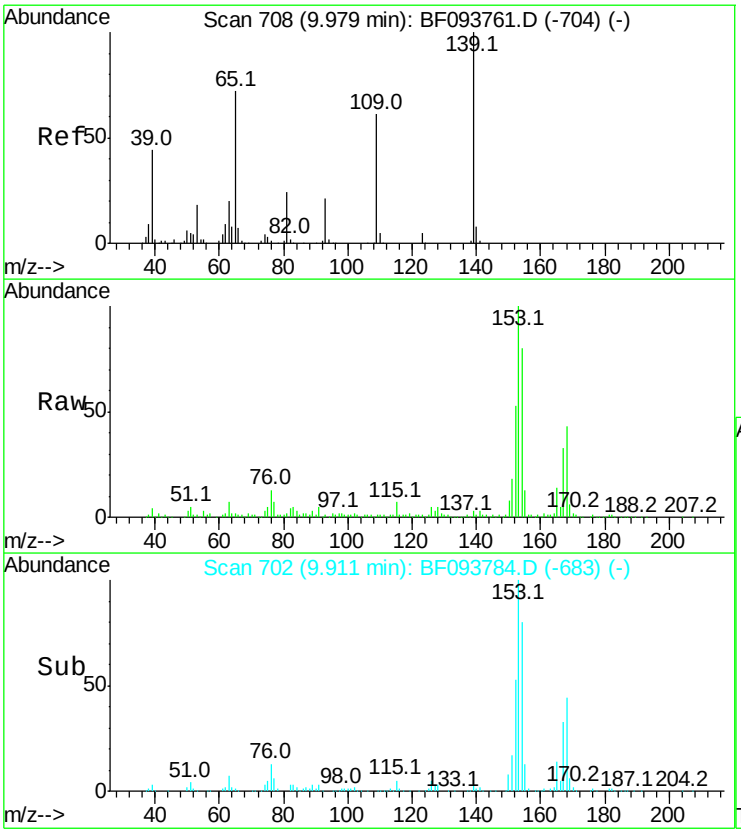

#54
Dibenzofuran
Concen: 10.85 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:168 Resp: 369794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.3 | 30.6 | 45.8 |
| 169 | 29.2 | 10.8 | 16.2# |

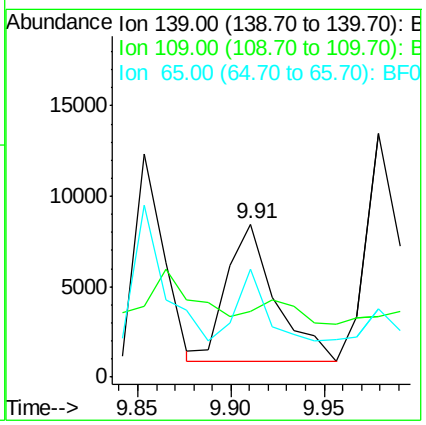


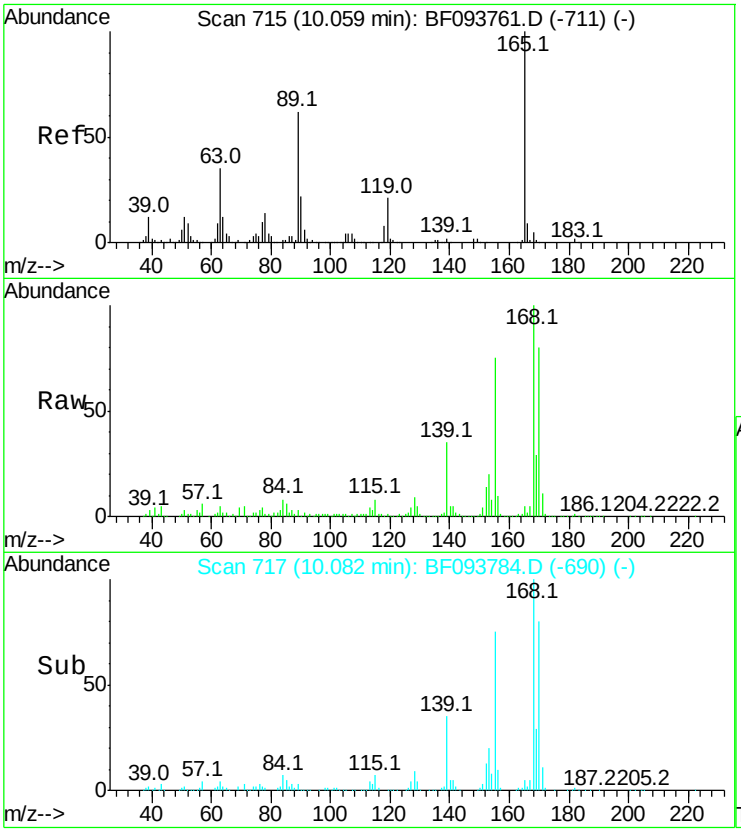




#55
4-Nitrophenol
Concen: 2.38 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.08 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:139 Resp: 14008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 43.0 | 34.1 | 74.1 |
| 65 | 70.8 | 31.4 | 71.4 |



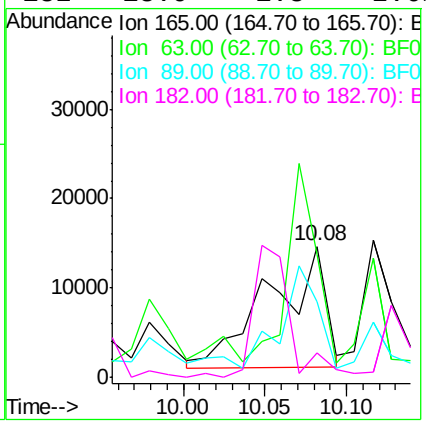


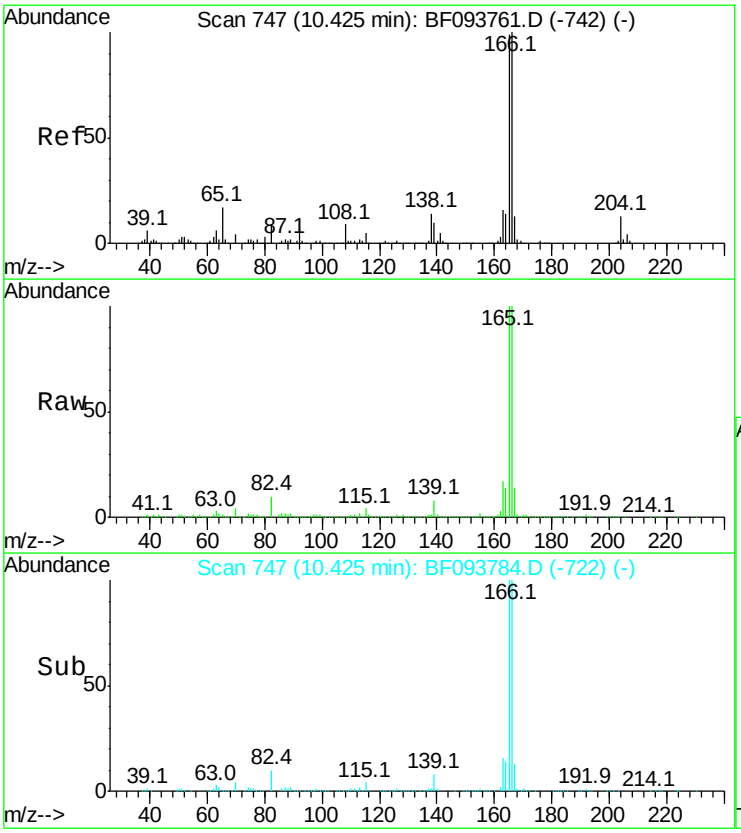

#56
2,4-Dinitrotoluene
Concen: 3.93 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:165 Resp: 32571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 94.1 | 25.4 | 38.0# |
| 89 | 57.8 | 46.4 | 69.6 |
| 182 | 18.9 | 1.8 | 2.6# |

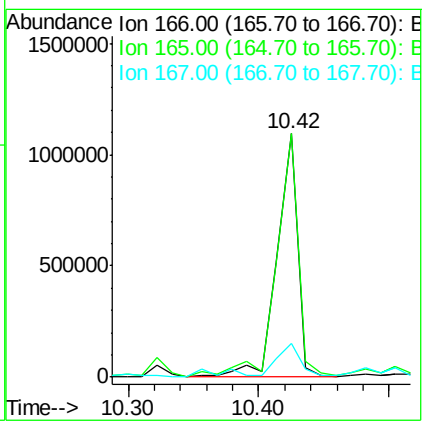


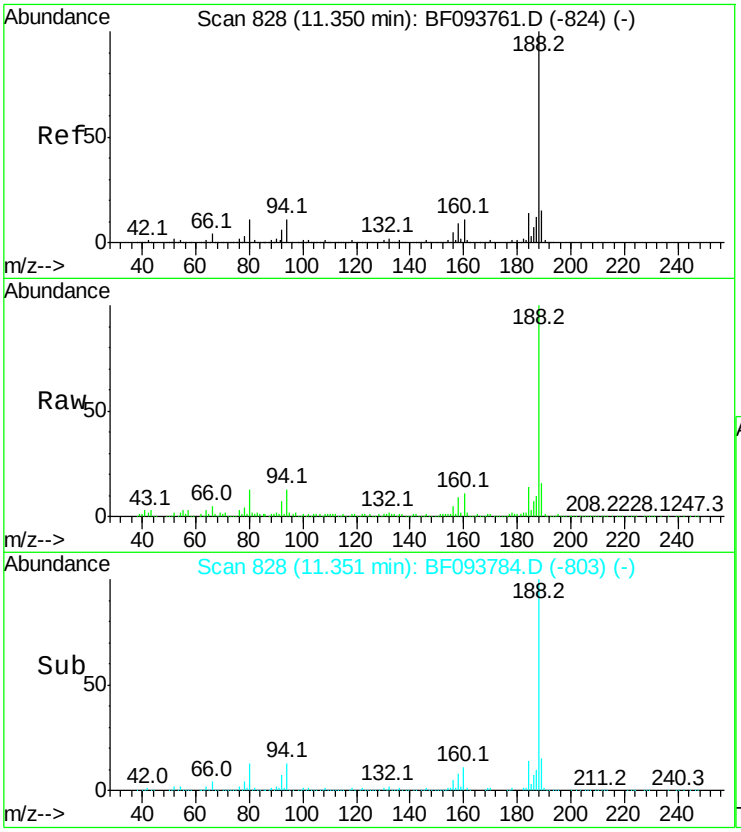




#57
Fluorene
Concen: 46.24 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:166 Resp: 1207083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.0 | 78.8 | 118.2 |
| 167 | 13.8 | 10.6 | 16.0 |



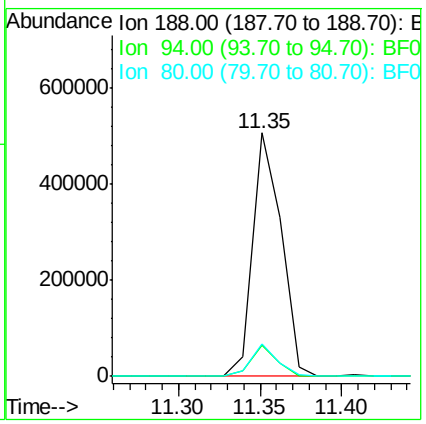


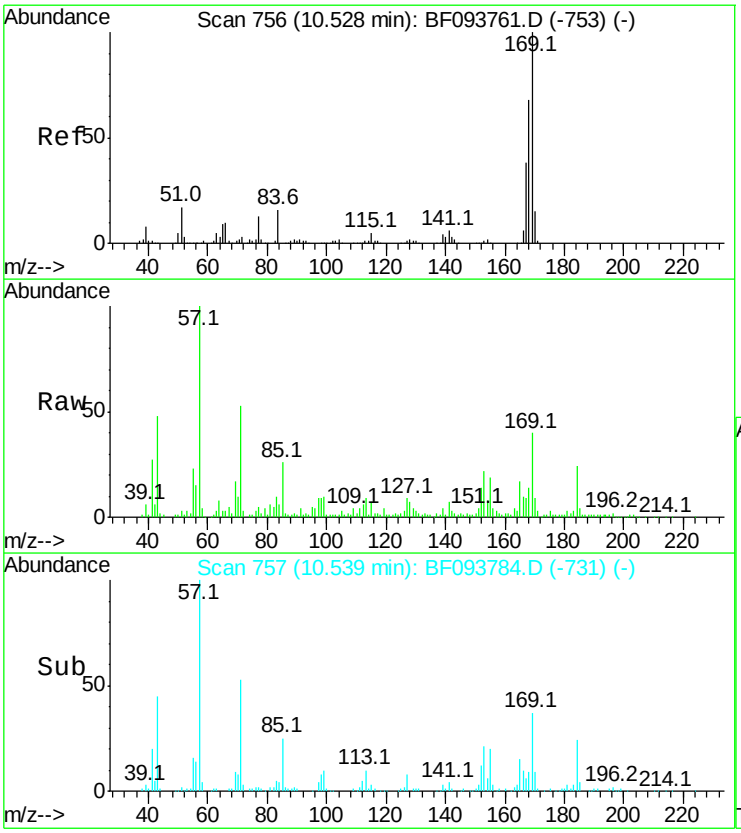

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:188 Resp: 615202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.8 | 9.4 | 14.2 |
| 80 | 13.4 | 10.2 | 15.2 |

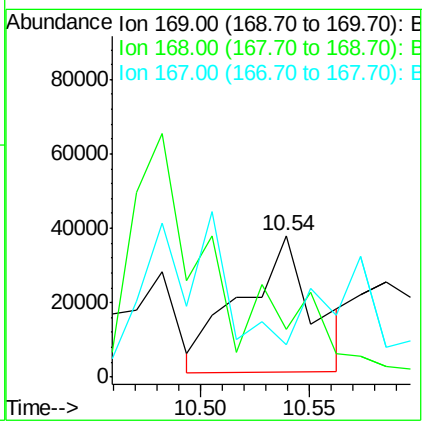


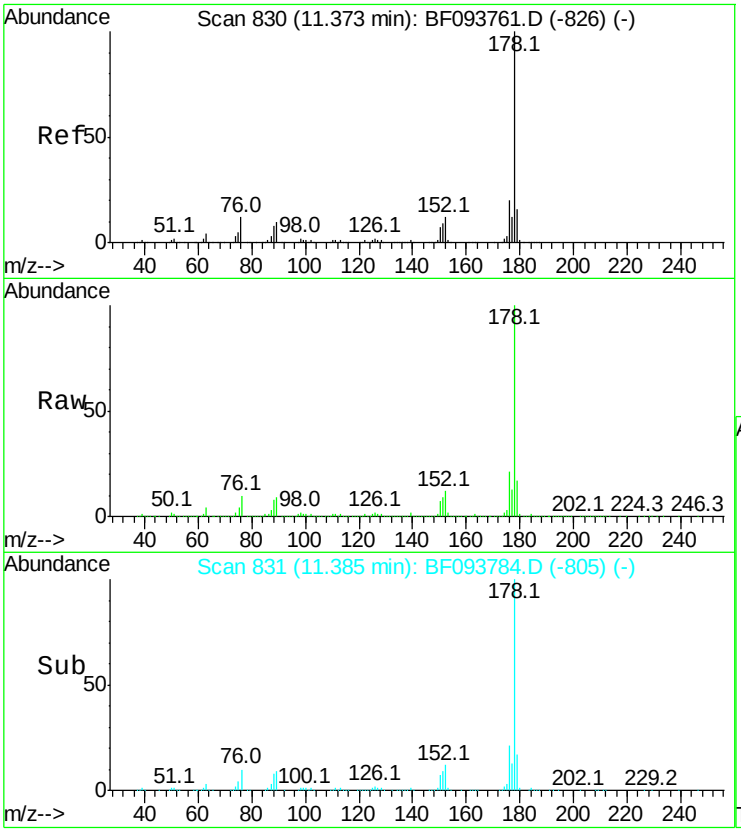




#65
n-Nitrosodiphenylamine
Concen: 4.09 ng
RT: 10.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:169 Resp: 83812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 33.5 | 53.2 | 79.8# |
| 167 | 22.8 | 29.5 | 44.3# |



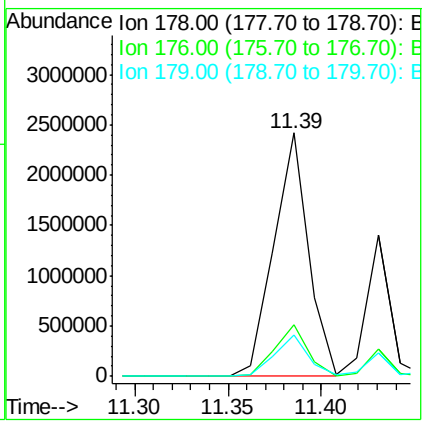


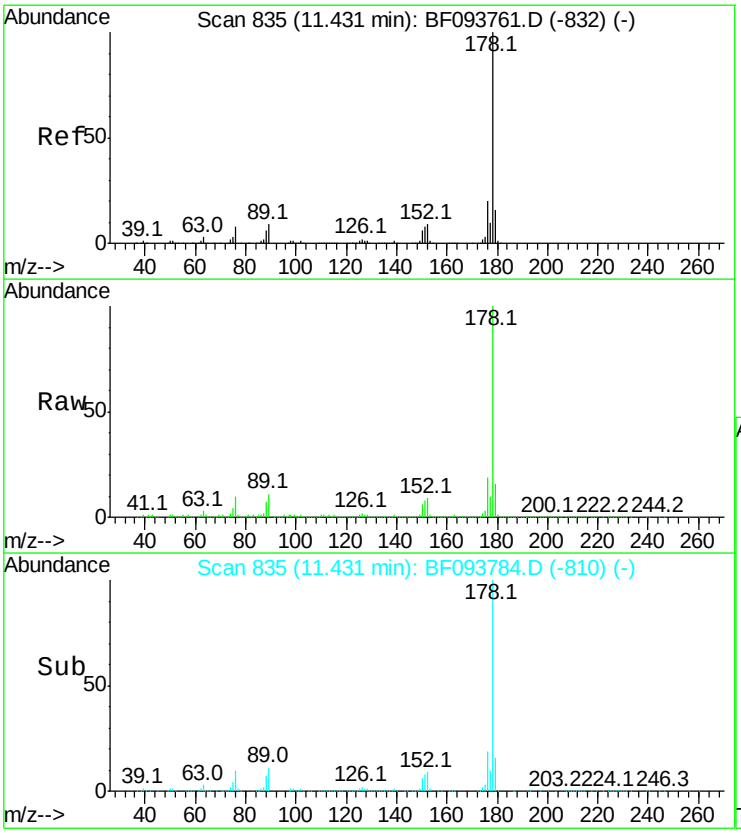

#70
Phenanthrene
Concen: 95.20 ng
RT: 11.39 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:178 Resp: 3119127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.0 | 16.2 | 24.4 |
| 179 | 16.8 | 12.6 | 19.0 |

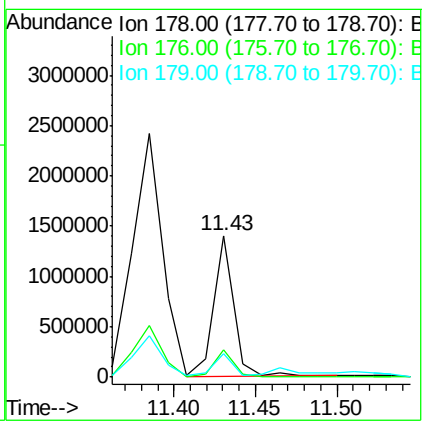


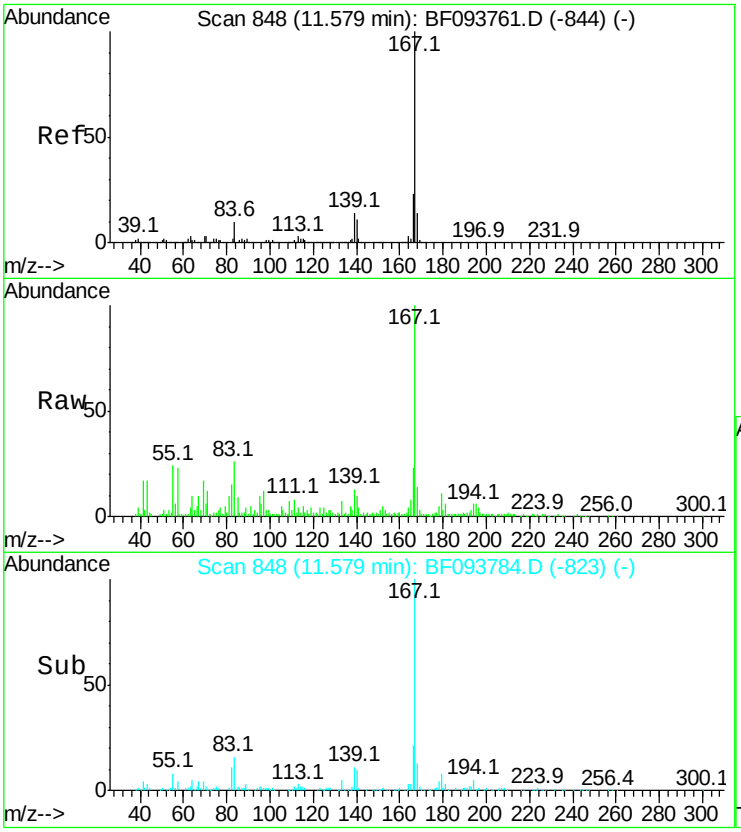




#71
Anthracene
Concen: 34.95 ng
RT: 11.43 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:178 Resp: 1178928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.8 | 23.8 |
| 179 | 16.1 | 12.7 | 19.1 |



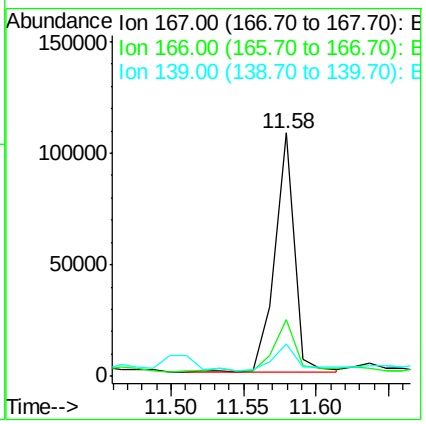


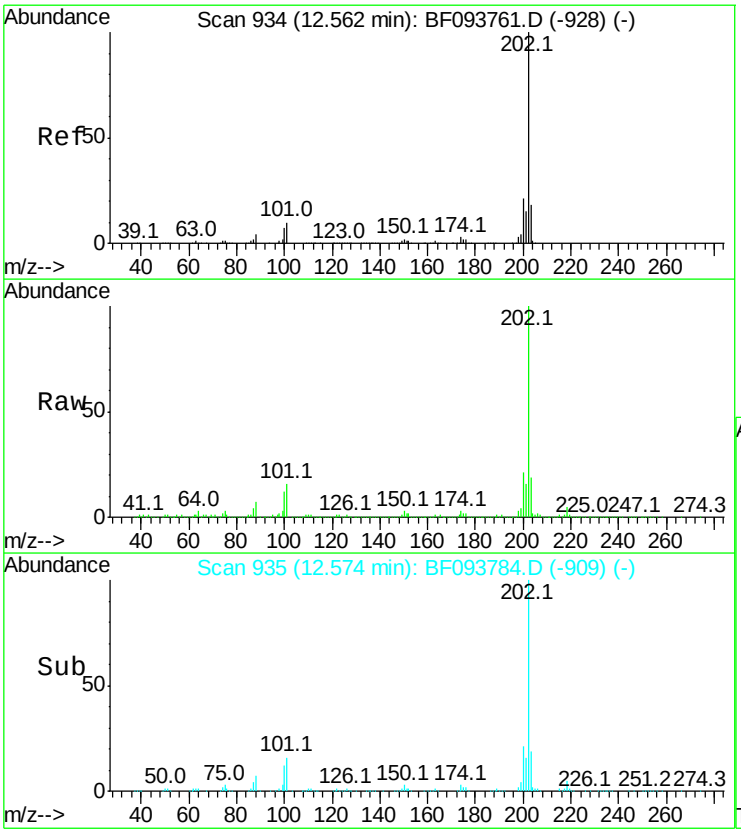

#72
Carbazole
Concen: 3.02 ng
RT: 11.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:167 Resp: 100755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.3 | 18.1 | 27.1 |
| 139 | 13.3 | 11.7 | 17.5 |

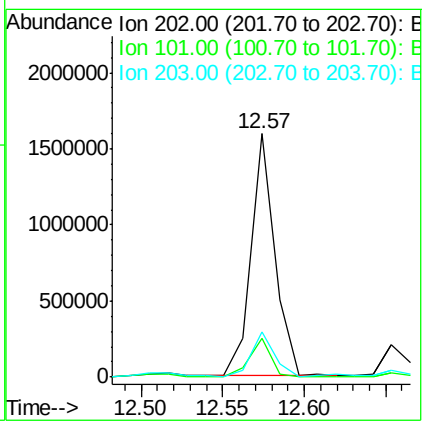


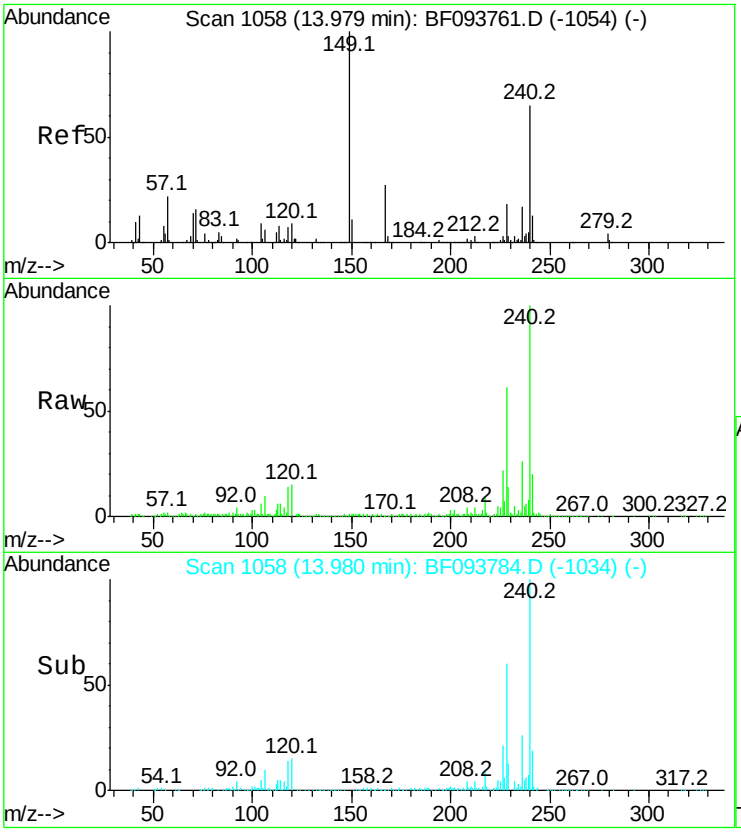




#74
Fluoranthene
Concen: 47.87 ng
RT: 12.57 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:202 Resp: 1612168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.8 | 0.0 | 33.2 |
| 203 | 18.7 | 0.0 | 38.1 |



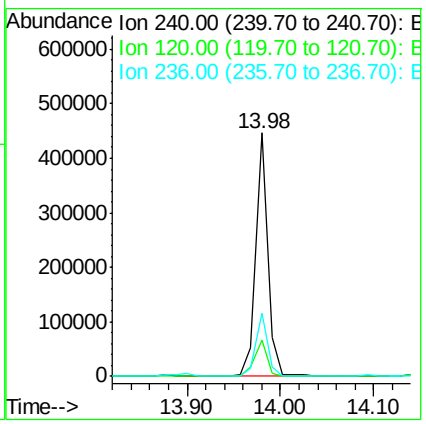


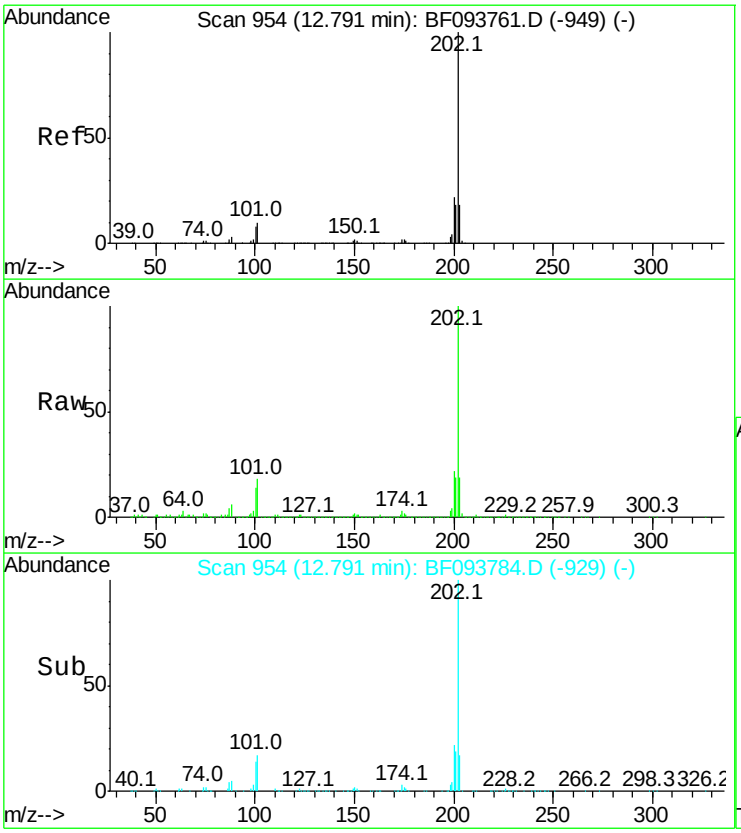

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:240 Resp: 396189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.1 | 5.8 | 8.8# |
| 236 | 25.8 | 20.5 | 30.7 |

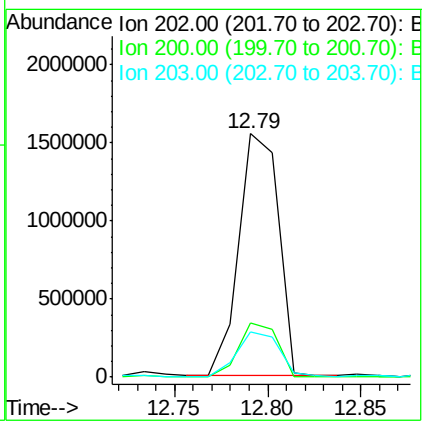


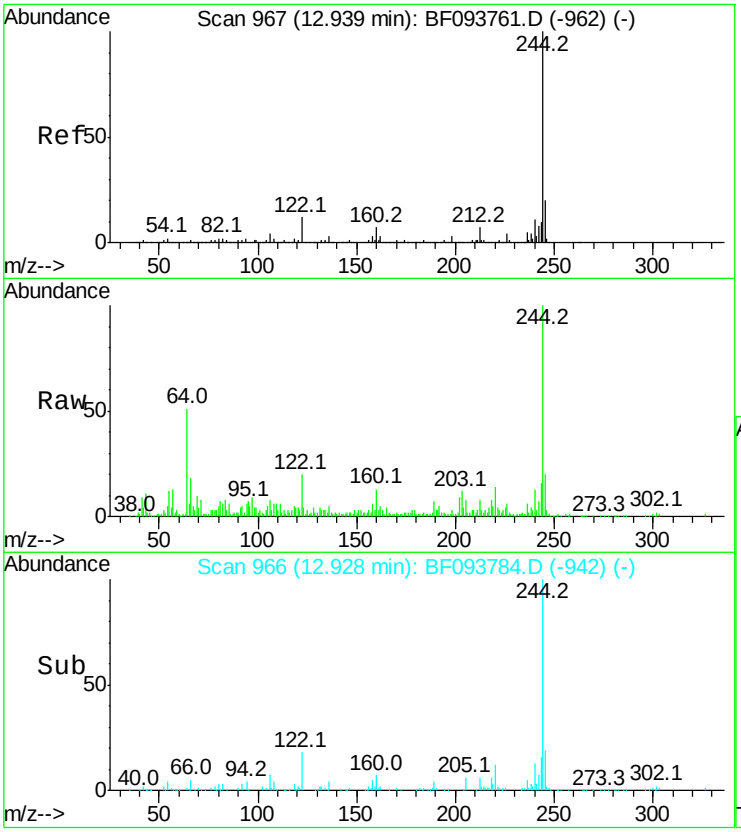




#77
Pyrene
Concen: 69.65 ng
RT: 12.79 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:202 Resp: 2296472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.6 | 26.4 |
| 203 | 18.6 | 14.4 | 21.6 |



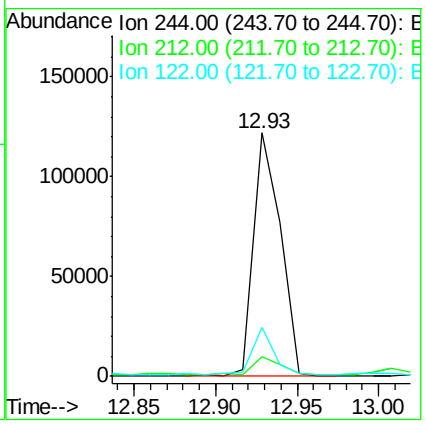


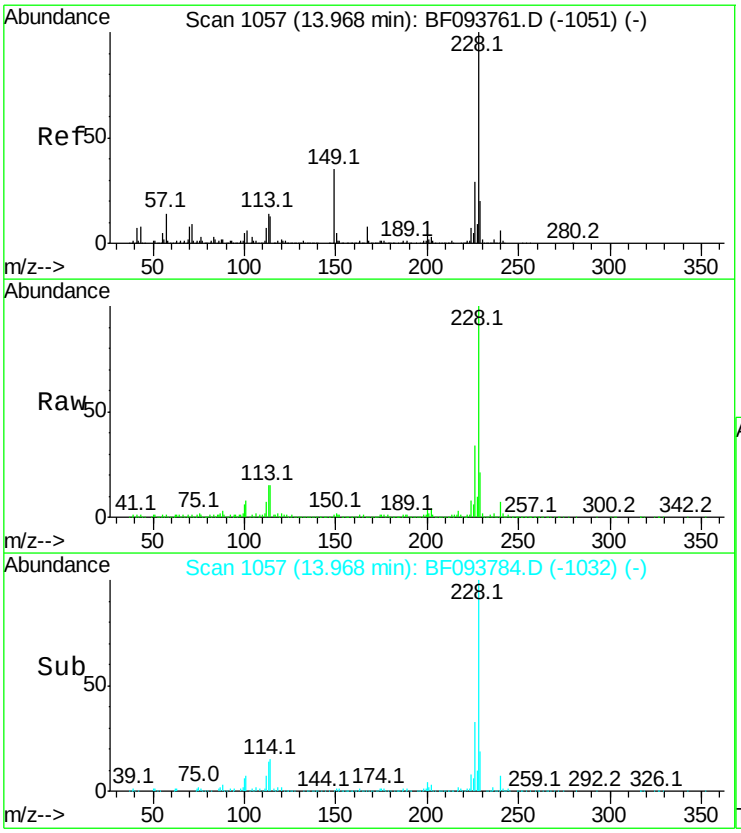

#78
Terphenyl-d14
Concen: 7.27 ng
RT: 12.93 min Scan# 966
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:244 Resp: 141347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.0 | 9.0 |
| 122 | 20.3 | 10.3 | 15.5# |

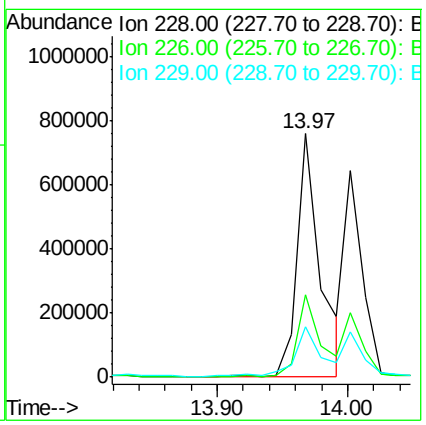


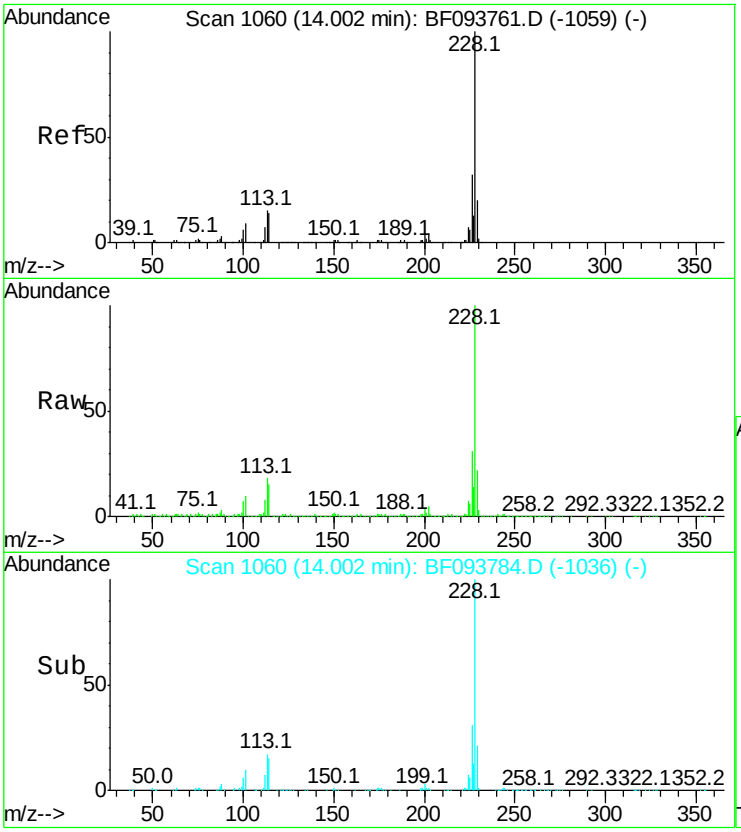




#80
Benzo(a)anthracene
Concen: 37.79 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:228 Resp: 937764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.8 | 22.6 | 33.8 |
| 229 | 20.5 | 16.3 | 24.5 |



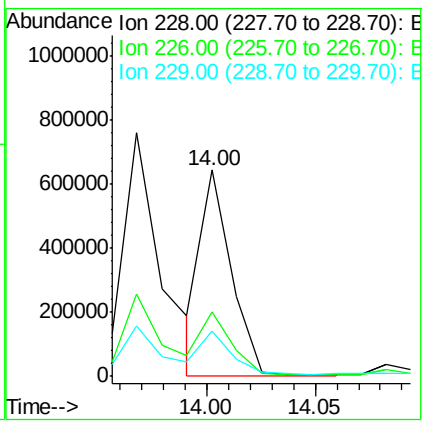


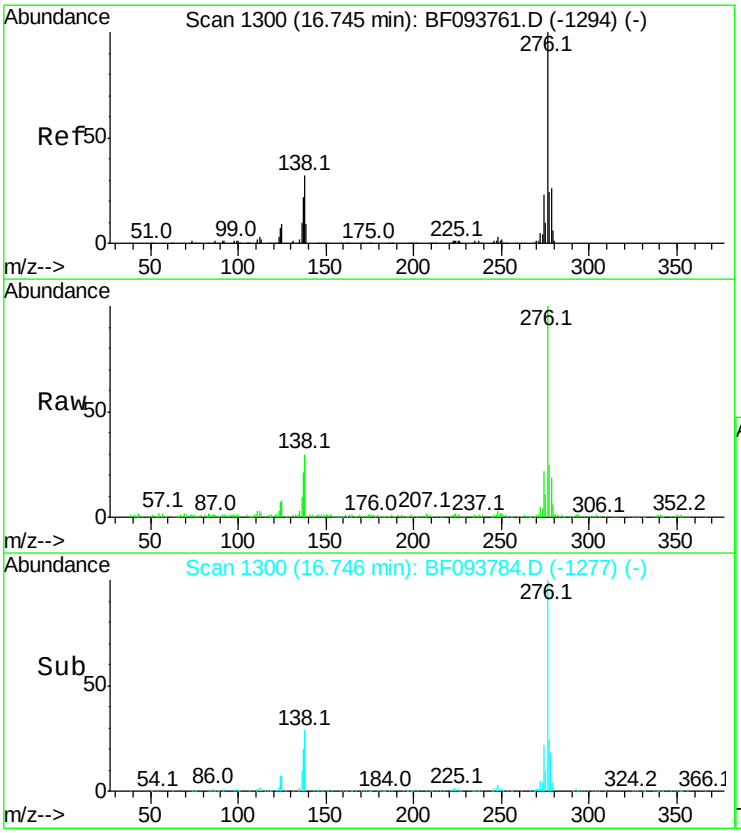

#82
Chrysene
Concen: 25.22 ng
RT: 14.00 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:228 Resp: 625212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 24.9 | 37.3 |
| 229 | 21.7 | 15.8 | 23.6 |

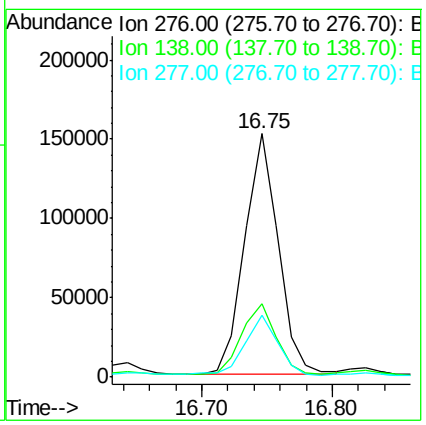


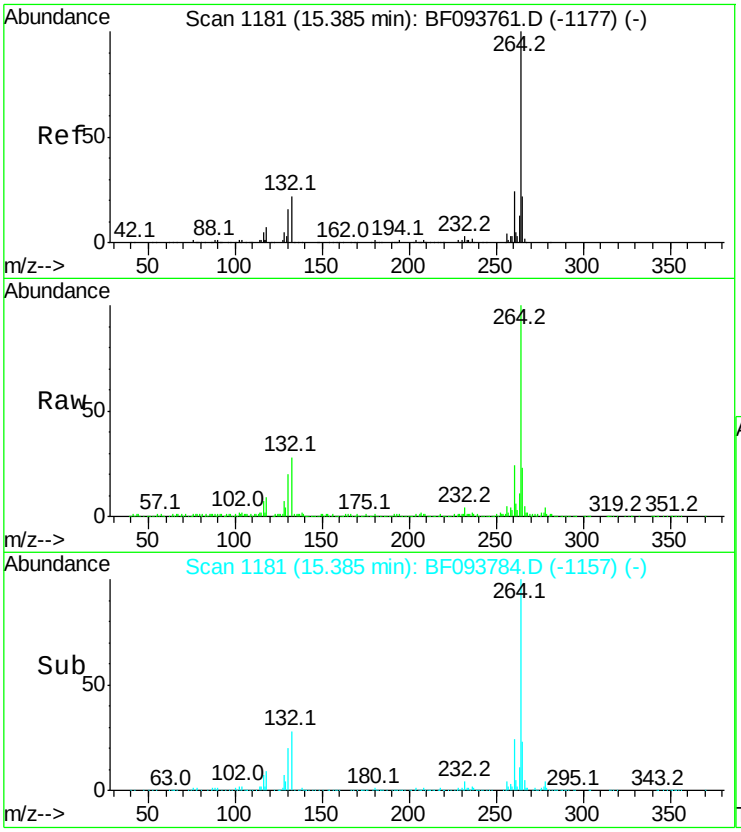




#85
Indeno(1,2,3-cd)pyrene
Concen: 13.46 ng
RT: 16.75 min Scan# 1300
Delta R.T. -0.03 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:276 Resp: 273199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.3 | 27.8 | 41.6 |
| 277 | 24.3 | 20.2 | 30.4 |



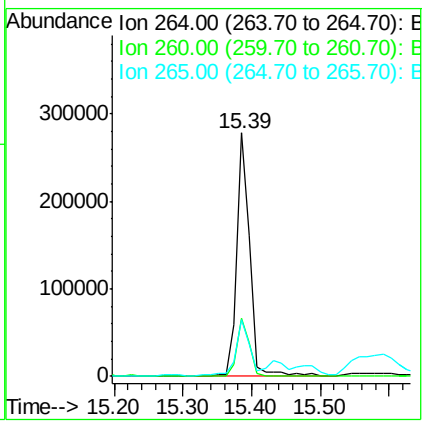


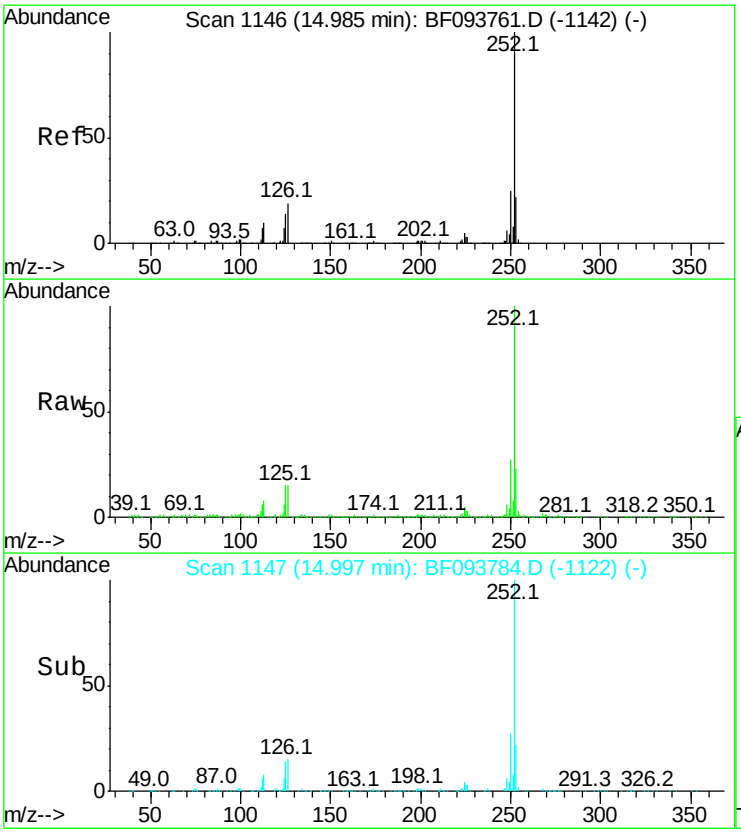

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:264 Resp: 366157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.5 | 29.3 |
| 265 | 23.3 | 17.2 | 25.8 |

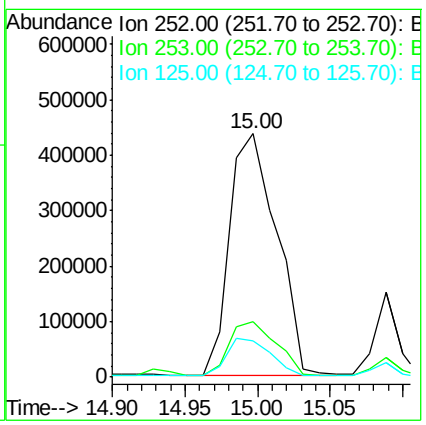


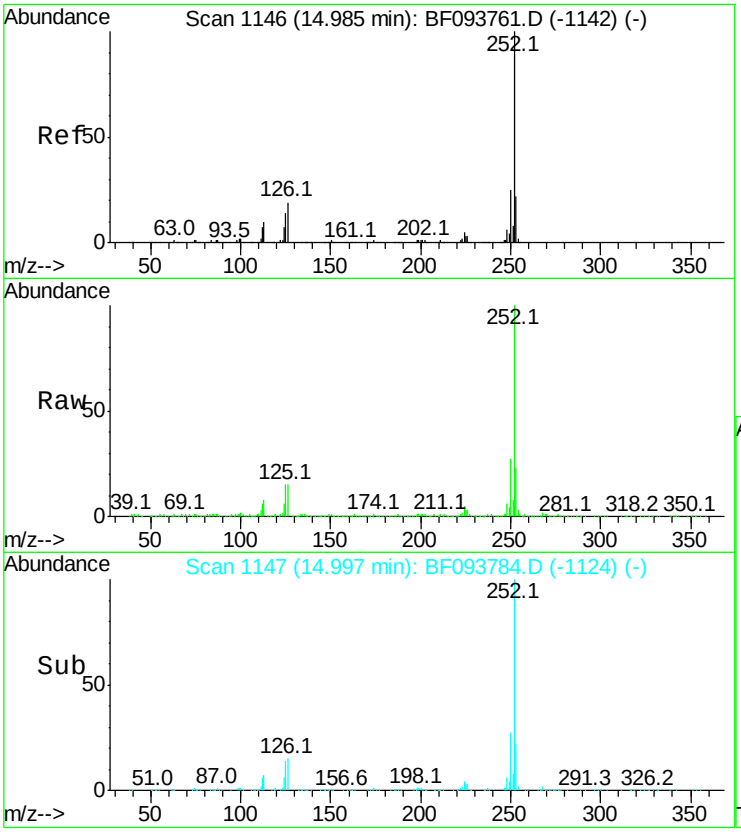




#87
Benzo(b)fluoranthene
Concen: 39.78 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:252 Resp: 981841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.1 | 27.1 |
| 125 | 15.0 | 9.8 | 14.8# |



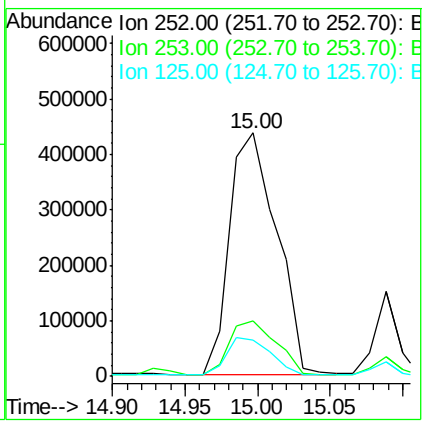


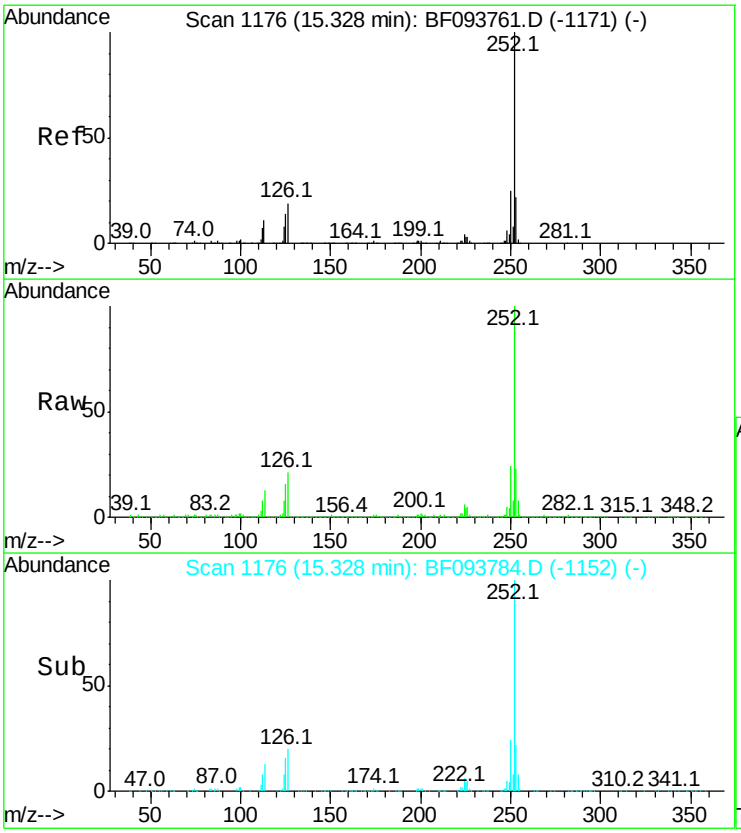

#88
Benzo(k)fluoranthene
Concen: 53.87 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:252 Resp: 981841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.4 | 27.6 |
| 125 | 15.0 | 13.1 | 19.7 |

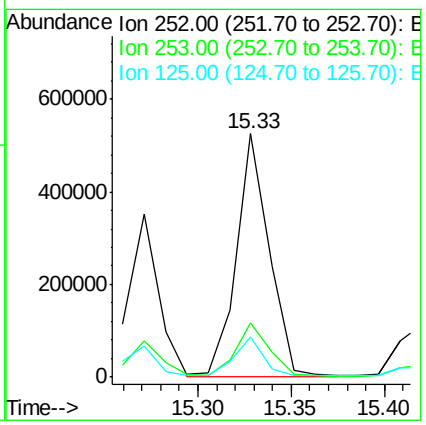


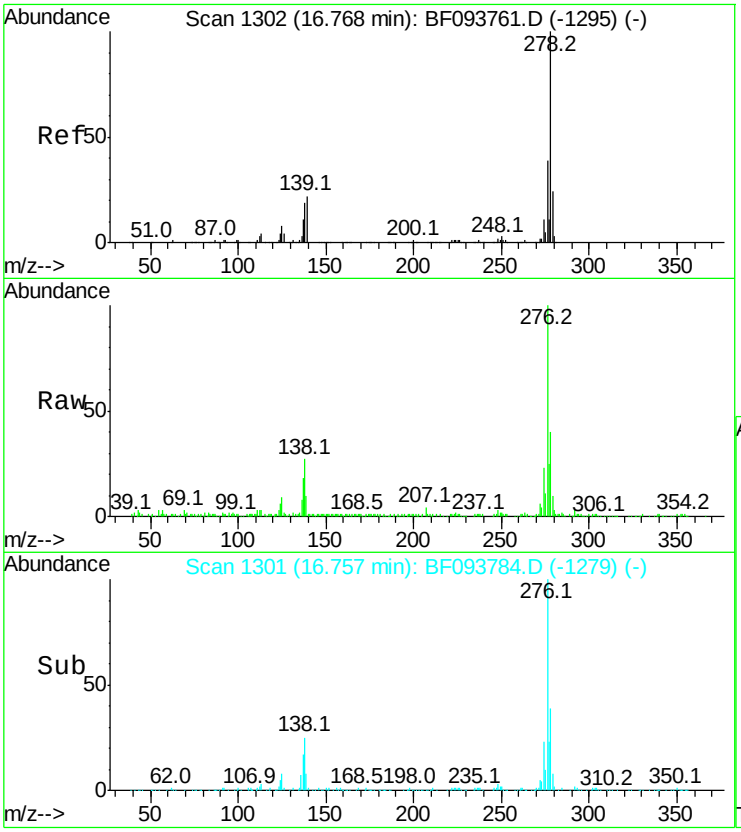




#89
Benzo(a)pyrene
Concen: 31.83 ng
RT: 15.33 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:252 Resp: 637039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.5 | 26.3 |
| 125 | 16.3 | 11.0 | 16.4 |



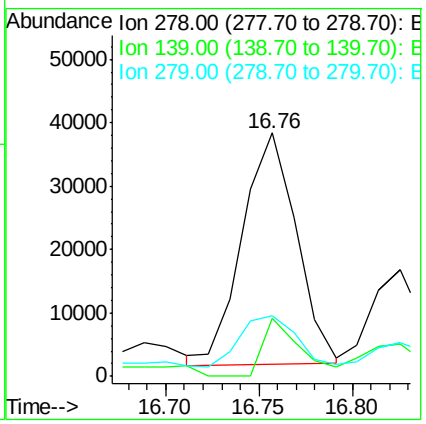


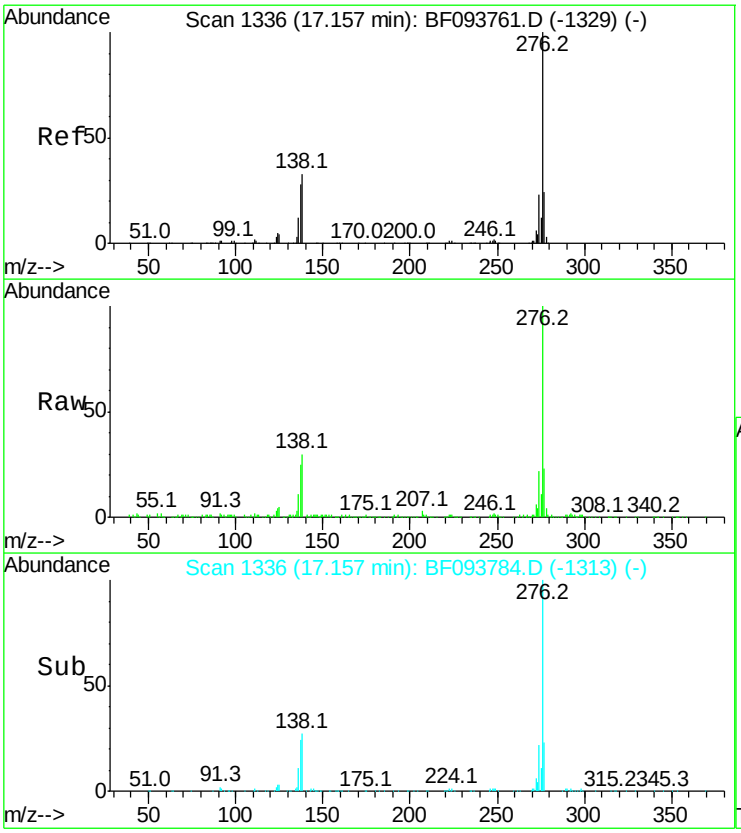

#90
Dibenzo(a,h)anthracene
Concen: 4.43 ng
RT: 16.76 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

**Instrument :**
BNA_F
**ClientSampleId :**
HP-PW-02

Tgt Ion:278 Resp: 73681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.9 | 16.6 | 24.8 |
| 279 | 24.8 | 19.3 | 28.9 |




#91
Benzo(g,h,i)perylene
Concen: 15.86 ng
RT: 17.16 min Scan# 1336
Delta R.T. -0.03 min
Lab File: BF093784.D
Acq: 21 Mar 2017 00:27

Tgt Ion:276 Resp: 261659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 18.6 | 28.0 |
| 138 | 29.9 | 25.4 | 38.0 |