Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098194.D
Acq On : 31 Aug 2017 10:16
Operator : SJ/JU
Sample : I4979-01DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Quant Time: Aug 31 12:38:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 112556 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.02 | 136 | 405614 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.76 | 164 | 169879 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 279639 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.87 | 240 | 244649 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.29 | 264 | 167395 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 93409 | 12.62 | ng | | -0.02 |
| 7) Phenol-d6 | 6.36 | 99 | 128265 | 12.76 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 66697 | 8.93 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 13535 | 9.18 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 86516 | 7.48 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.82 | 244 | 66897 | 5.70 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 18) Hexachloroethane | 7.26 | 117 | 40269 | 12.031 | ng | # | 1 |
| 22) Acetophenone | 7.12 | 105 | 23012 | 2.148 | ng | # | 55 |
| 26) 2-Nitrophenol | 7.63 | 139 | 960 | 5.542 | ng | # | 1 |
| 31) Naphthalene | 8.05 | 128 | 2930086 | 139.147 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 9165 | 8.088 | ng | # | 18 |
| 33) 4-Chloroaniline | 8.05 | 127 | 417640 | 47.028 | ng | # | 35 |
| 35) Caprolactam | 8.44 | 113 | 10283 | 5.628 | ng | # | 52 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 2423852 | 187.748 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.19 | 154 | 726948 | 46.926 | ng | | 95 |
| 47) 2-Nitroaniline | 9.29 | 65 | 9949 | 2.593 | ng | # | 36 |
| 48) Acenaphthylene | 9.62 | 152 | 46540 | 2.589 | ng | # | 35 |
| 49) Dimethylphthalate | 9.48 | 163 | 31078 | 2.503 | ng | # | 94 |
| 50) 2,6-Dinitrotoluene | 9.46 | 165 | 10963 | 4.423 | ng | # | 1 |
| 51) Acenaphthene | 9.80 | 154 | 910134 | 80.285 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.06 | 184 | 1971 | 11.602 | ng | | 86 |
| 54) Dibenzofuran | 9.97 | 168 | 1040098 | 68.458 | ng | | 98 |
| 55) 4-Nitrophenol | 9.87 | 139 | 18017 | 7.063 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 8106 | 2.606 | ng | # | 1 |
| 57) Fluorene | 10.32 | 166 | 740584 | 63.047 | ng | | 97 |
| 61) 4-Nitroaniline | 10.32 | 138 | 8649 | 2.846 | ng | # | 43 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 1870 | 9.494 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.42 | 169 | 50506 | 5.304 | ng | # | 44 |
| 70) Phenanthrene | 11.27 | 178 | 1388117 | 93.155 | ng | | 99 |
| 71) Anthracene | 11.32 | 178 | 378931 | 25.072 | ng | | 100 |
| 74) Fluoranthene | 12.46 | 202 | 448471 | 28.834 | ng | | 99 |
| 77) Pyrene | 12.68 | 202 | 351774 | 17.580 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 50053 | 3.414 | ng | | 96 |
| 82) Chrysene | 13.90 | 228 | 40381 | 2.768 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 25488 | 2.416 | ng | # | 85 |
| 88) Benzo(k)fluoranthene | 14.89 | 252 | 25488 | 2.571 | ng | # | 89 |

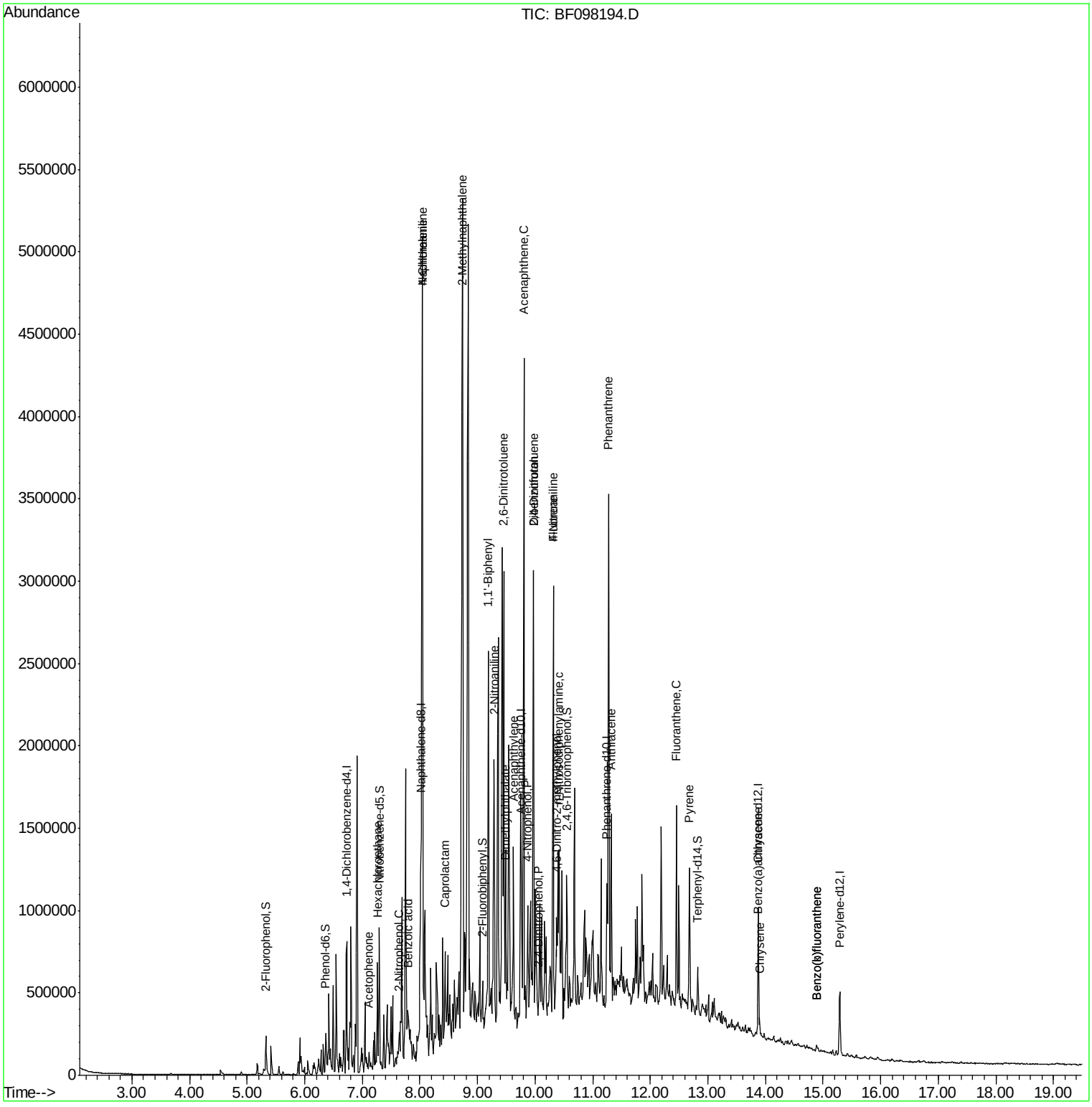
(#) = qualifier out of range (m) = manual integration (+) = signals summed

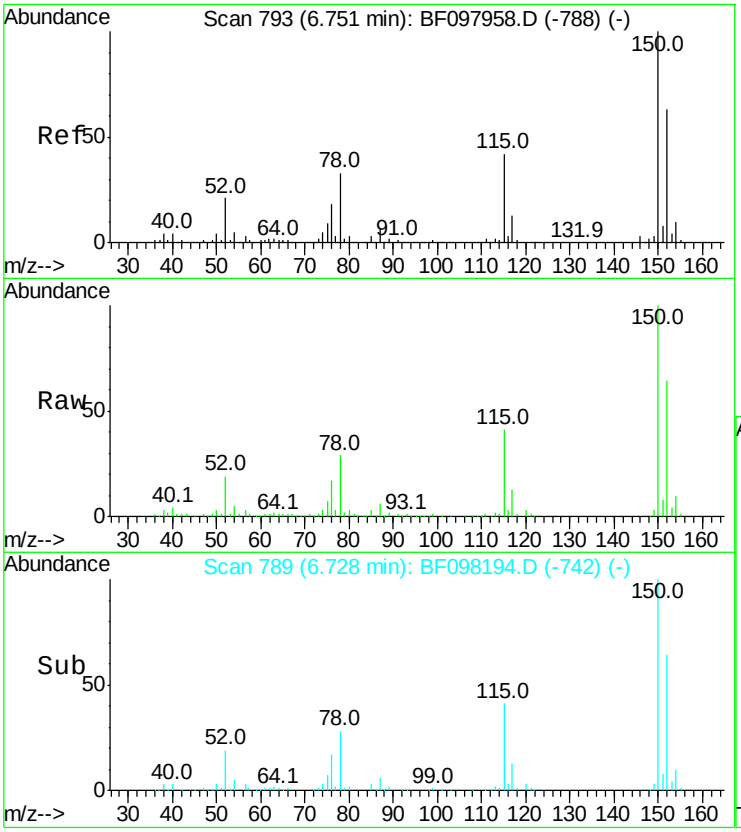
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098194.D
Acq On : 31 Aug 2017 10:16
Operator : SJ/JU
Sample : I4979-01DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Quant Time: Aug 31 12:38:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



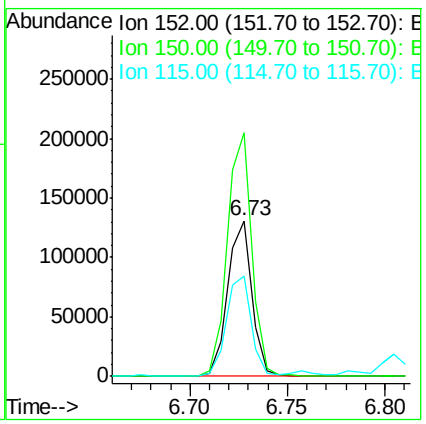


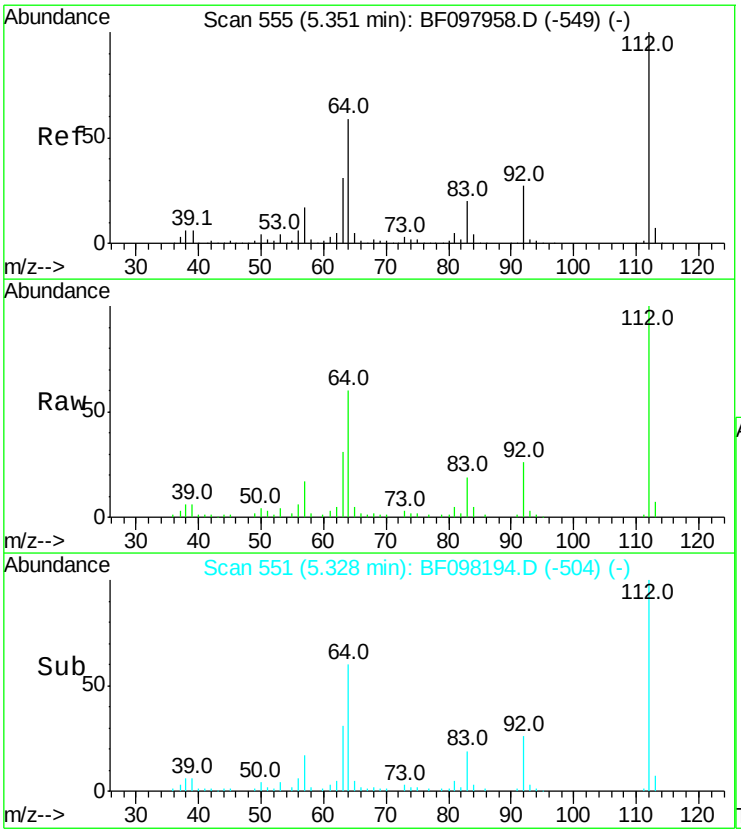

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:152 Resp: 112556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 126.2 | 189.2 |
| 115 | 64.0 | 52.2 | 78.2 |

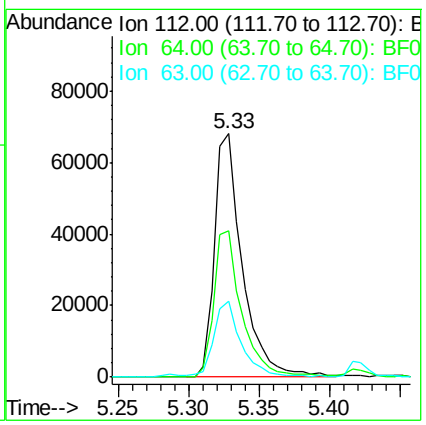


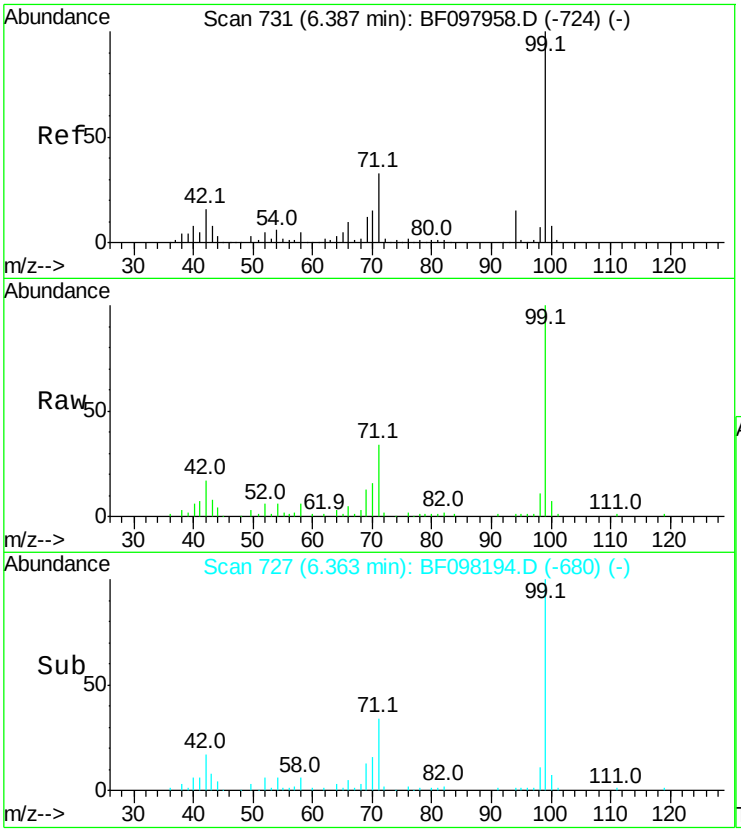




#5
2-Fluorophenol
Concen: 12.623 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:112 Resp: 93409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 46.0 | 69.0 |
| 63 | 31.0 | 23.4 | 35.0 |



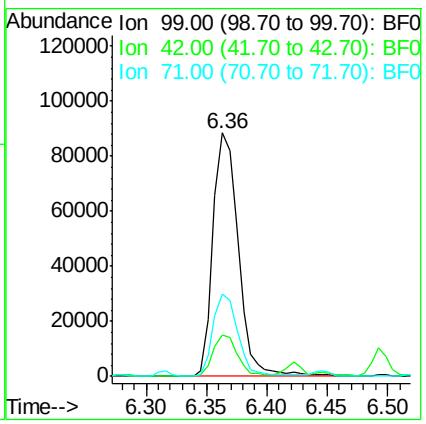


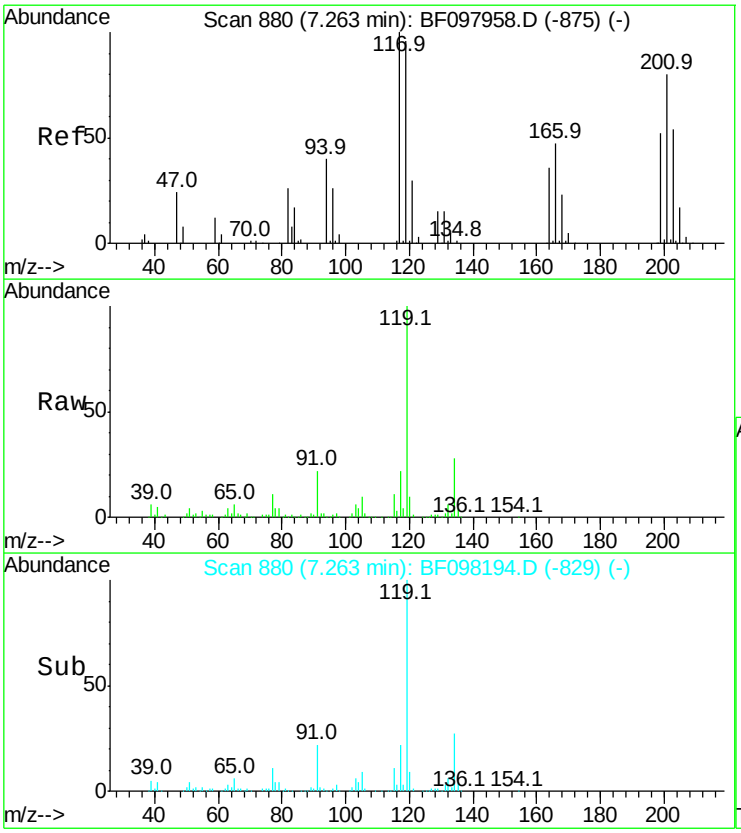

#7
Phenol-d6
Concen: 12.757 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion: 99 Resp: 128265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.8 | 13.5 | 20.3 |
| 71 | 33.6 | 24.5 | 36.7 |

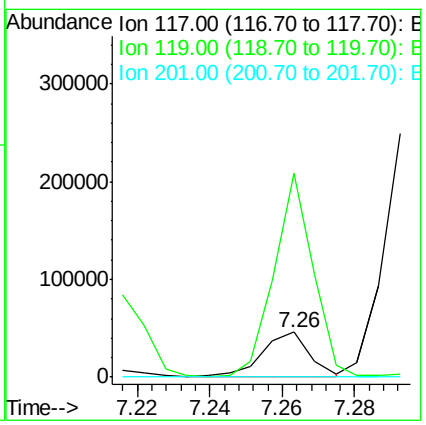


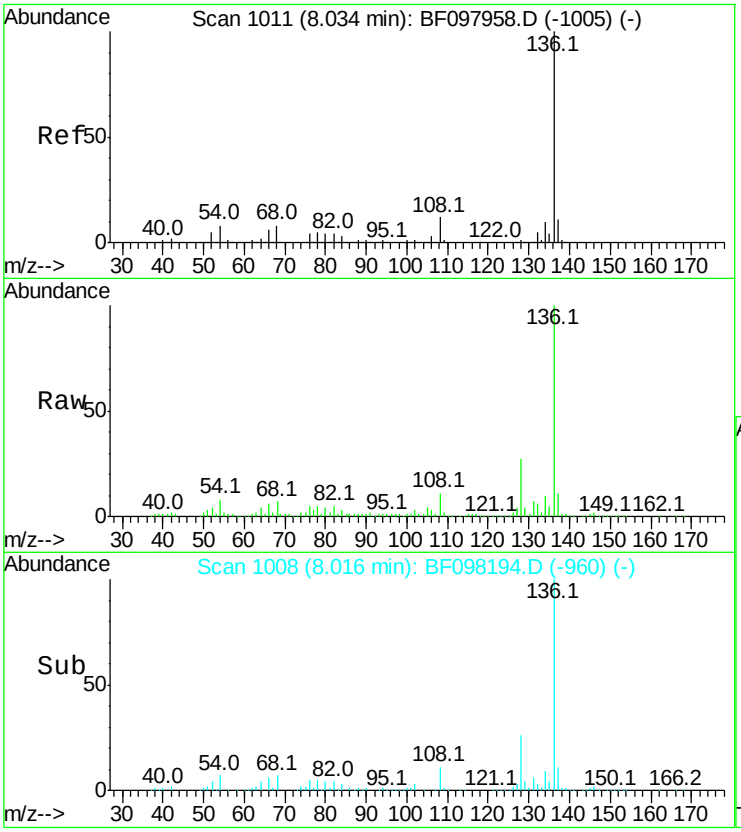




#18
Hexachloroethane
Concen: 12.031 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:117 Resp: 40269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 453.2 | 77.4 | 116.0# |
| 201 | 0.0 | 94.6 | 141.8# |



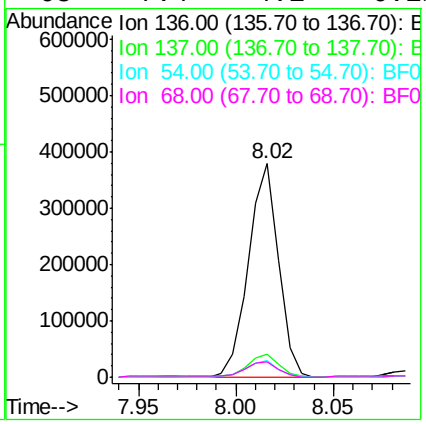


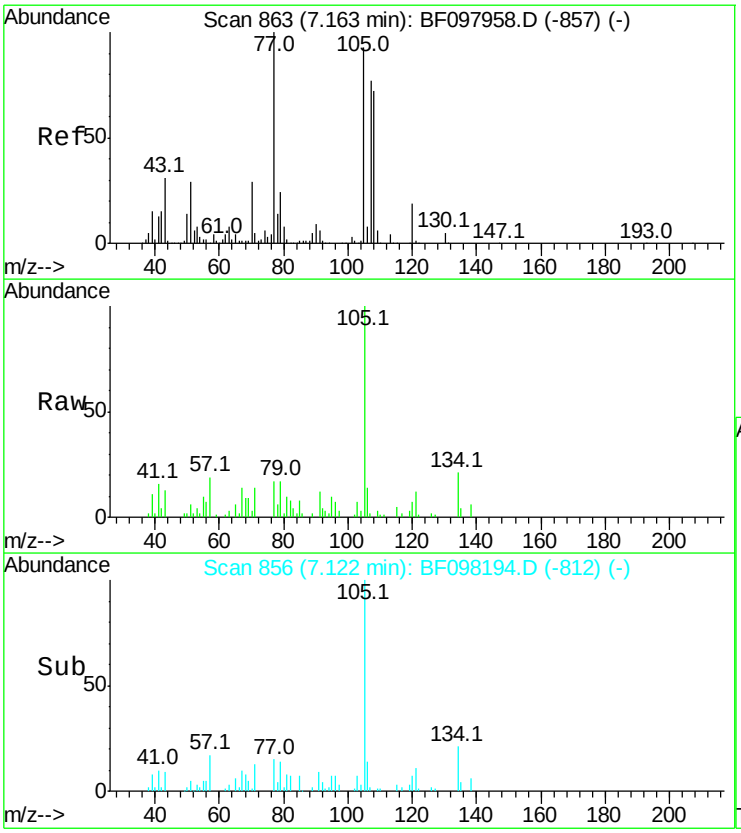

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:136 Resp: 405614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 7.6 | 4.9 | 7.3# |
| 68 | 7.4 | 4.1 | 6.1# |

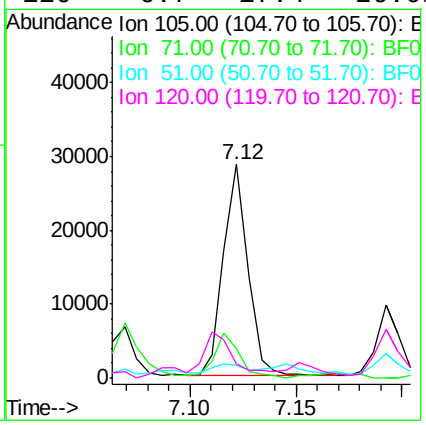


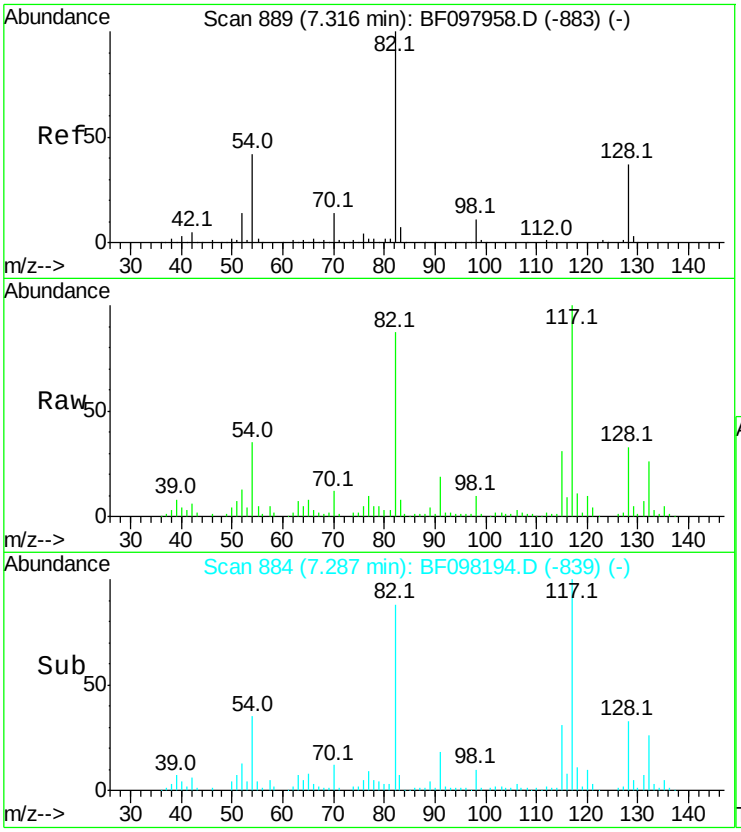




#22
Acetophenone
Concen: 2.148 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.04 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:105 Resp: 23012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 14.1 | 2.8 | 4.2# |
| 51 | 6.3 | 30.7 | 46.1# |
| 120 | 6.7 | 17.4 | 26.0# |

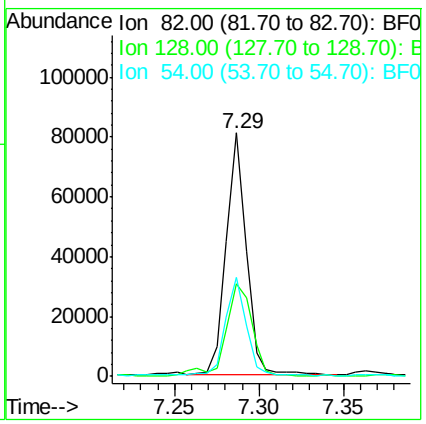




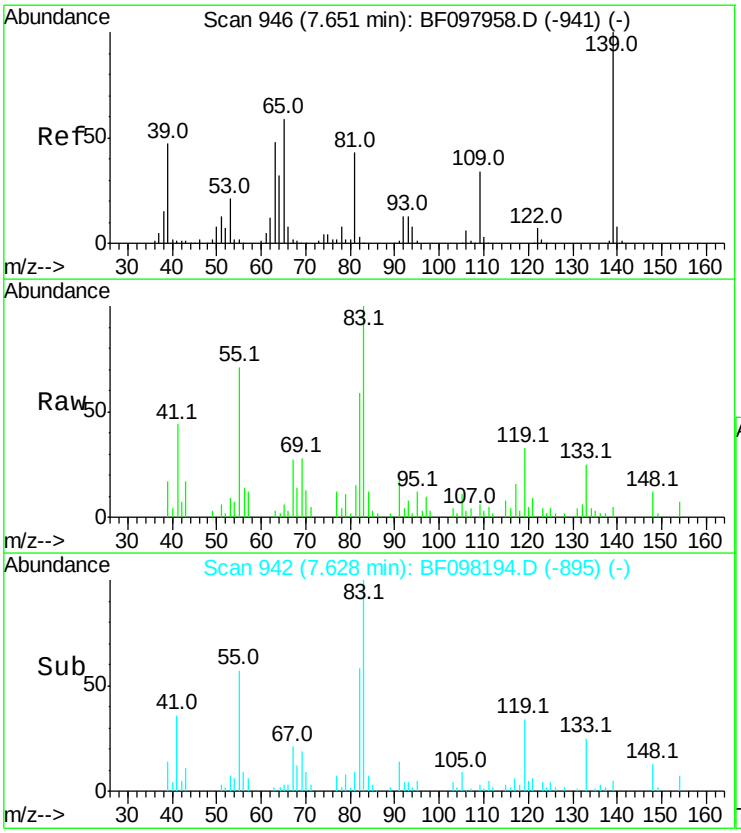

#23
Nitrobenzene-d5
Concen: 8.933 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion: 82 Resp: 66697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.0 | 34.0 | 51.0 |
| 54 | 40.4 | 42.2 | 63.2# |



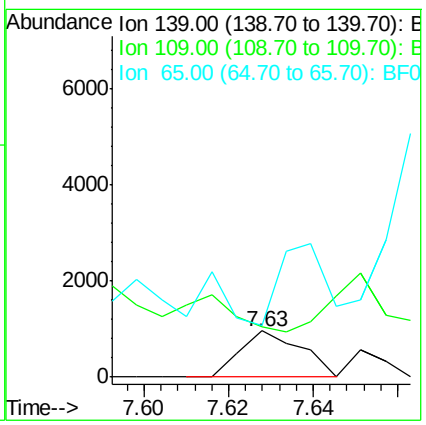

**Instrument :**
BNA_F
**ClientSampleId :**

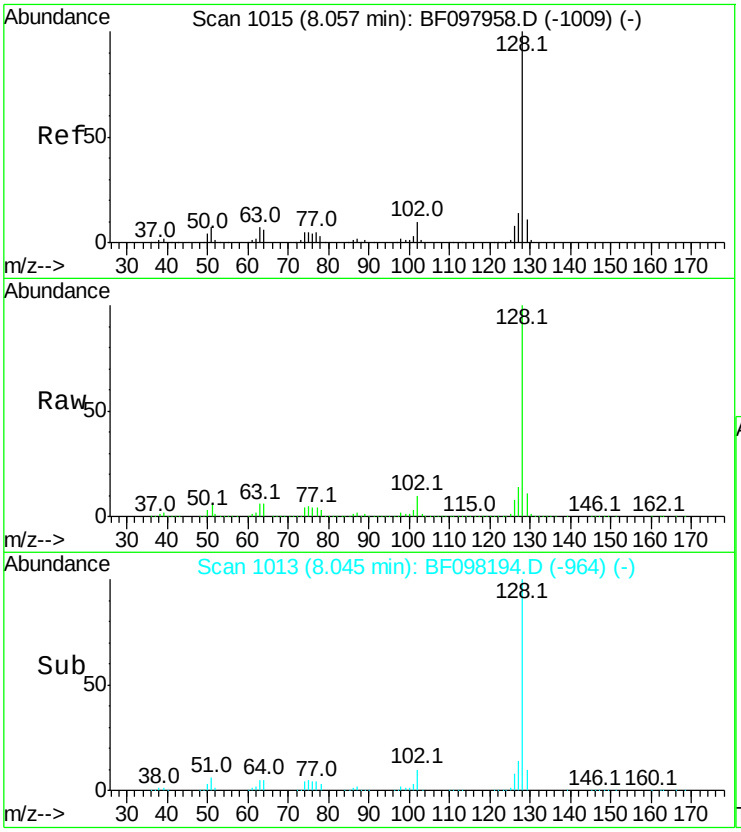



#26
2-Nitrophenol
Concen: 5.542 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:139 Resp: 960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 109.5 | 21.0 | 31.6# |
| 65 | 112.4 | 33.0 | 49.6# |



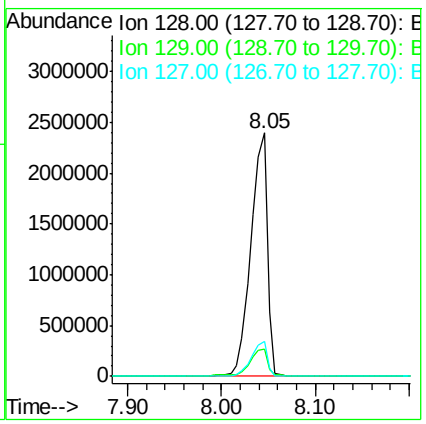


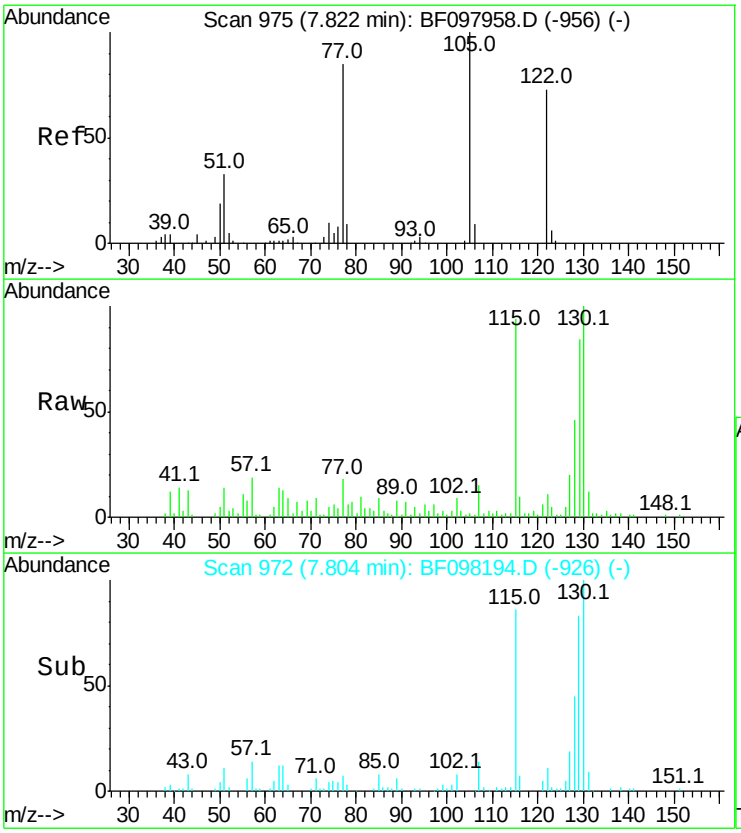

#31
Naphthalene
Concen: 139.147 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:128 Resp: 2930086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.0 | 13.6 |
| 127 | 14.3 | 10.8 | 16.2 |

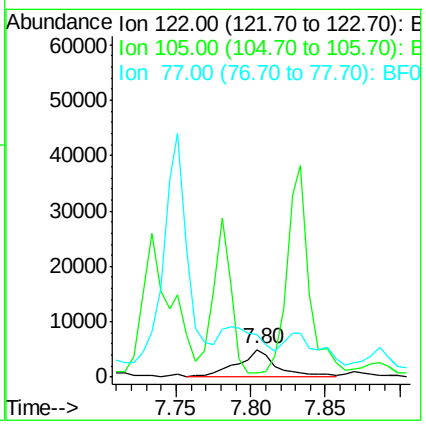


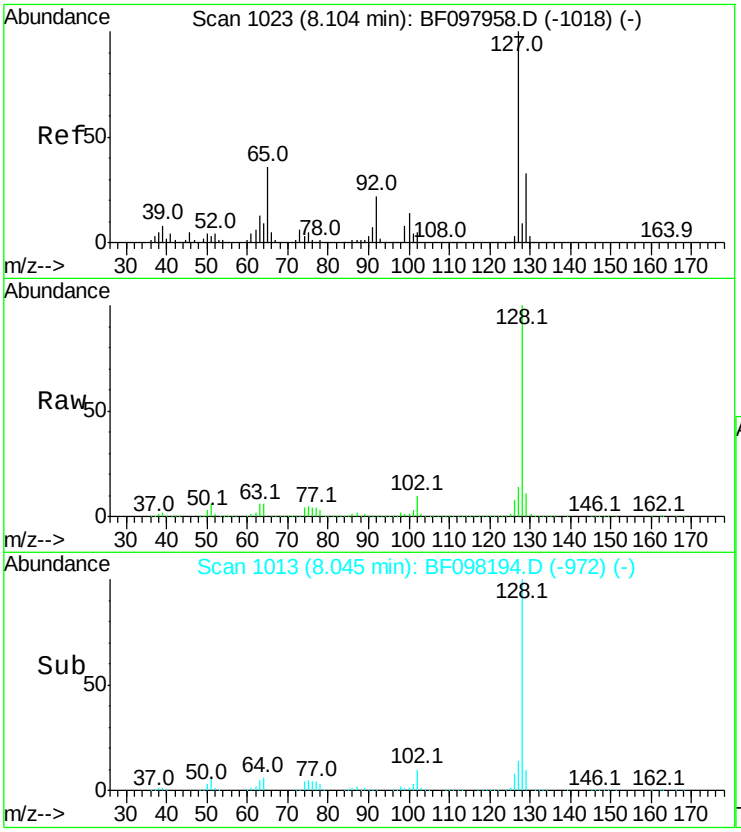




#32
Benzoic acid
Concen: 8.088 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.03 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:122 Resp: 9165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 15.5 | 103.3 | 143.3# |
| 77 | 156.0 | 73.7 | 113.7# |



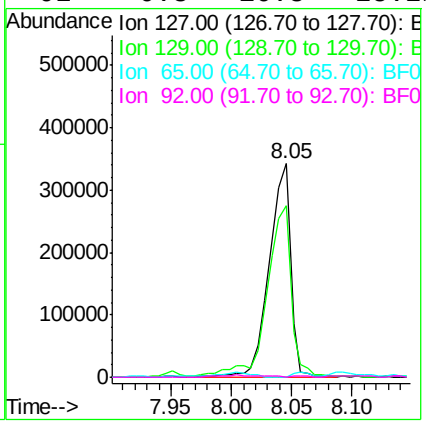


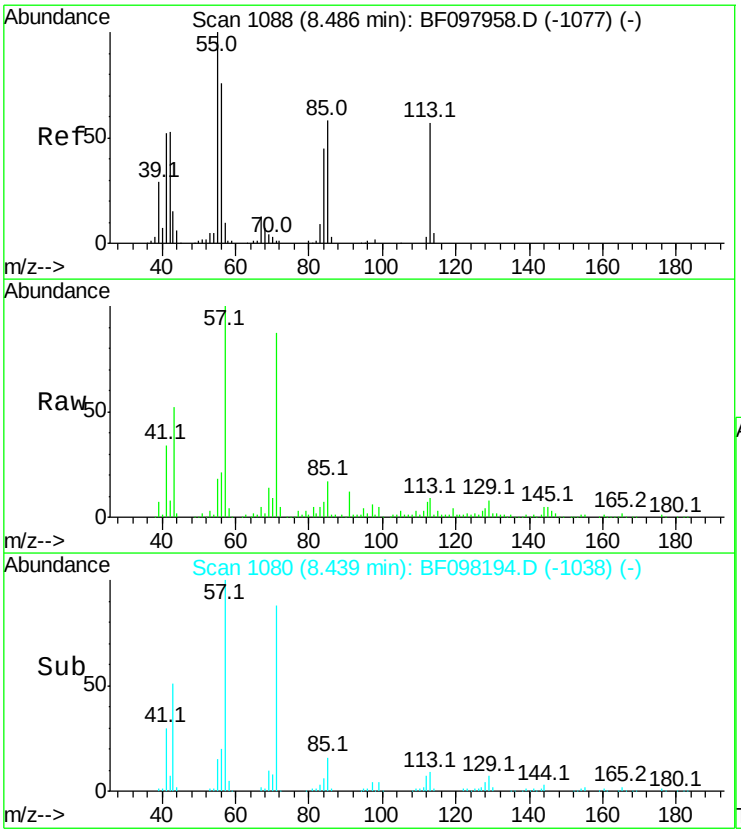

#33
4-Chloroaniline
Concen: 47.028 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:127 Resp: 417640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 80.2 | 26.2 | 39.2# |
| 65 | 0.0 | 27.8 | 41.8# |
| 92 | 0.3 | 16.8 | 25.2# |

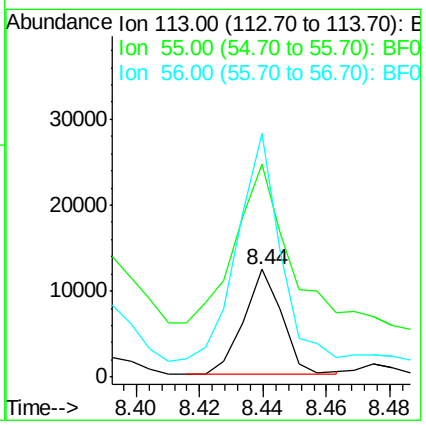


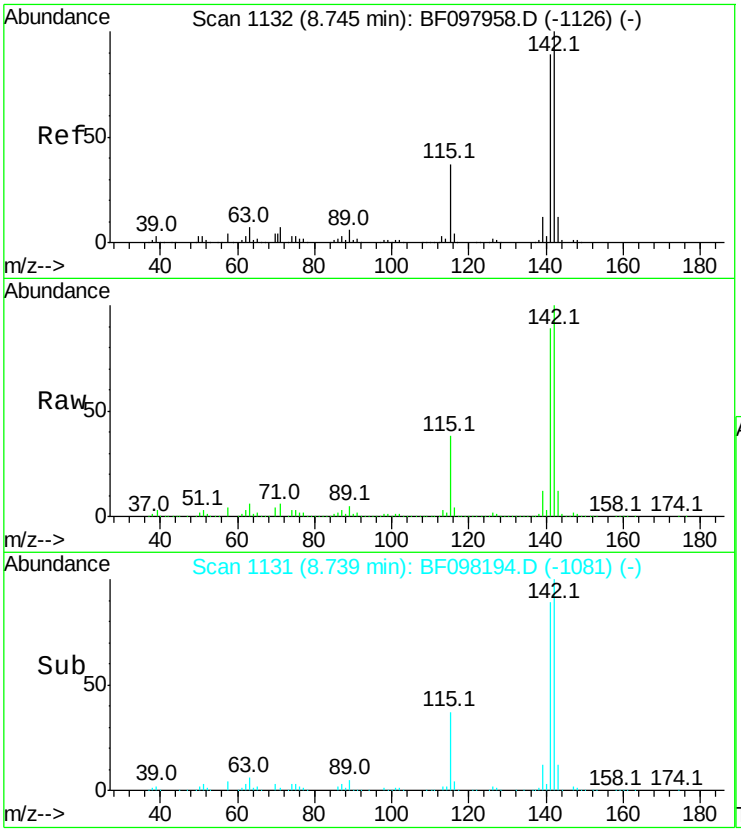




#35
Caprolactam
Concen: 5.628 ng
RT: 8.44 min Scan# 1080
Delta R.T. -0.05 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:113 Resp: 10283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 196.9 | 150.2 | 190.2# |
| 56 | 225.7 | 107.8 | 147.8# |



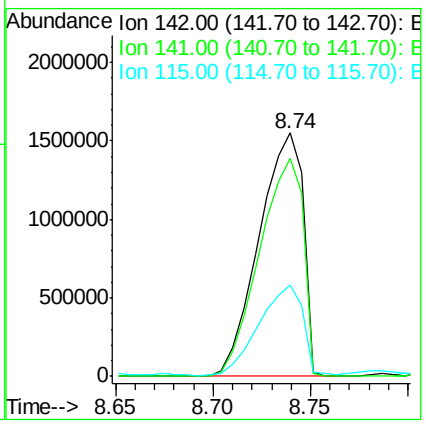


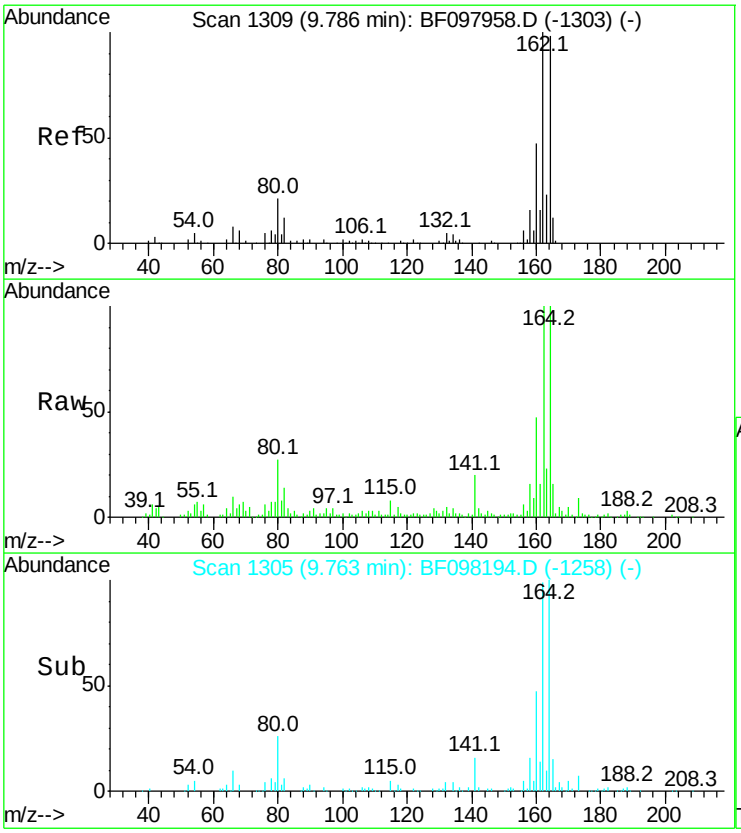

#37
2-Methylnaphthalene
Concen: 187.748 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:142 Resp: 2423852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.3 | 106.9 |
| 115 | 37.5 | 27.1 | 40.7 |

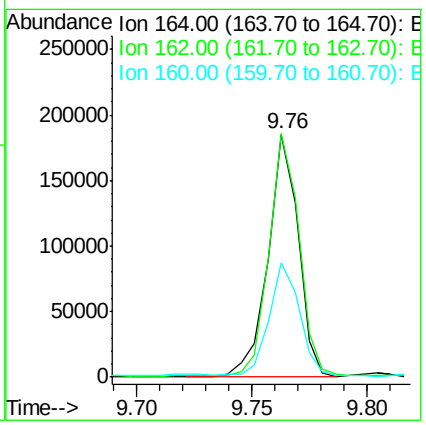


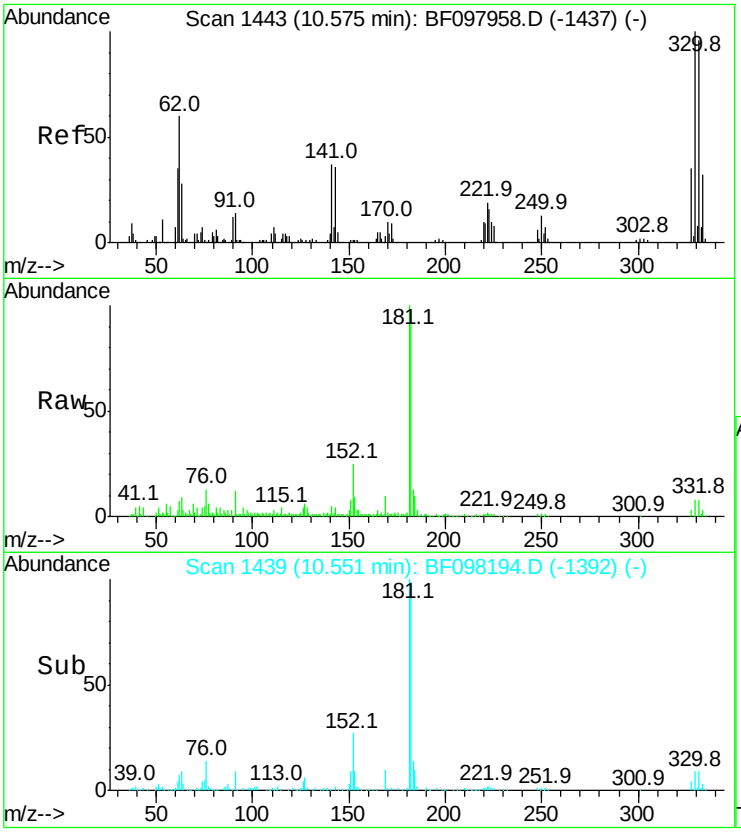




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:164 Resp: 169879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 82.6 | 123.8 |
| 160 | 47.2 | 36.2 | 54.2 |



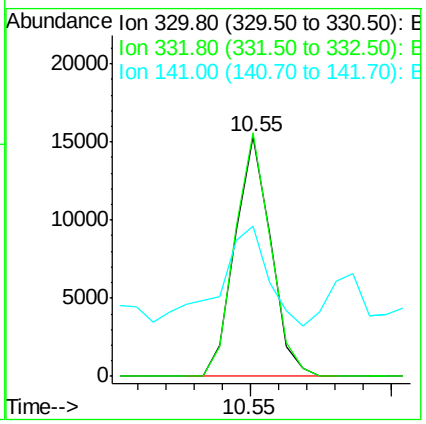


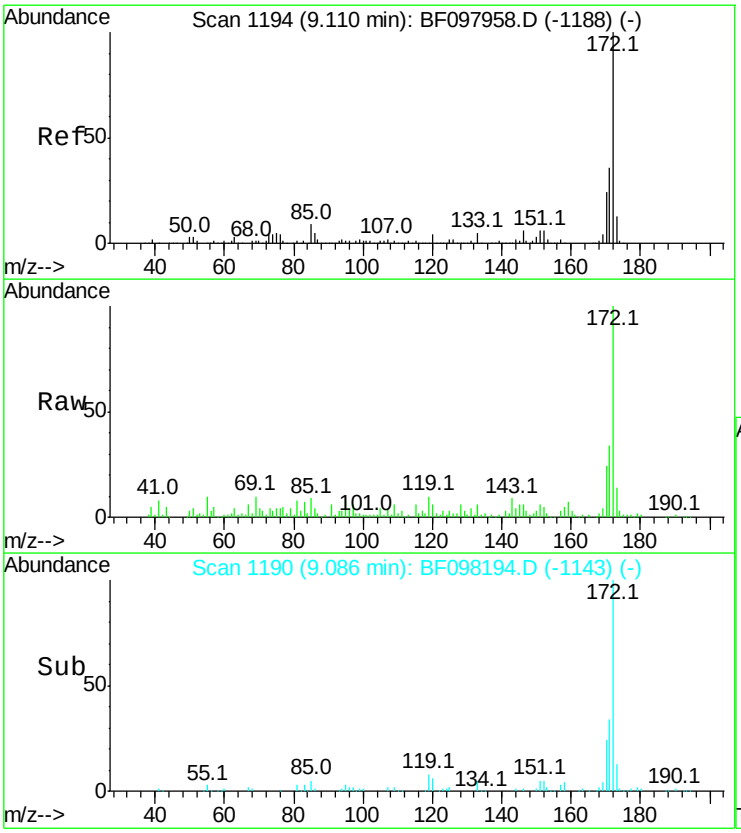

#41
2,4,6-Tribromophenol
Concen: 9.183 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:330 Resp: 13535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 101.0 | 76.6 | 115.0 |
| 141 | 56.5 | 31.4 | 47.2# |

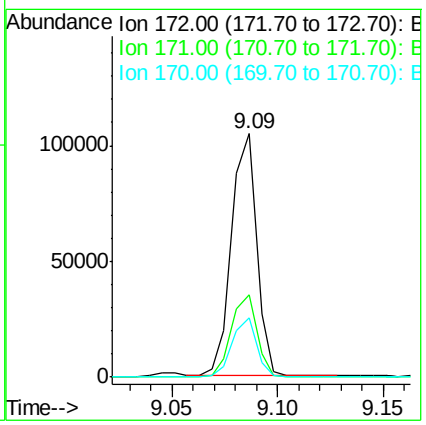


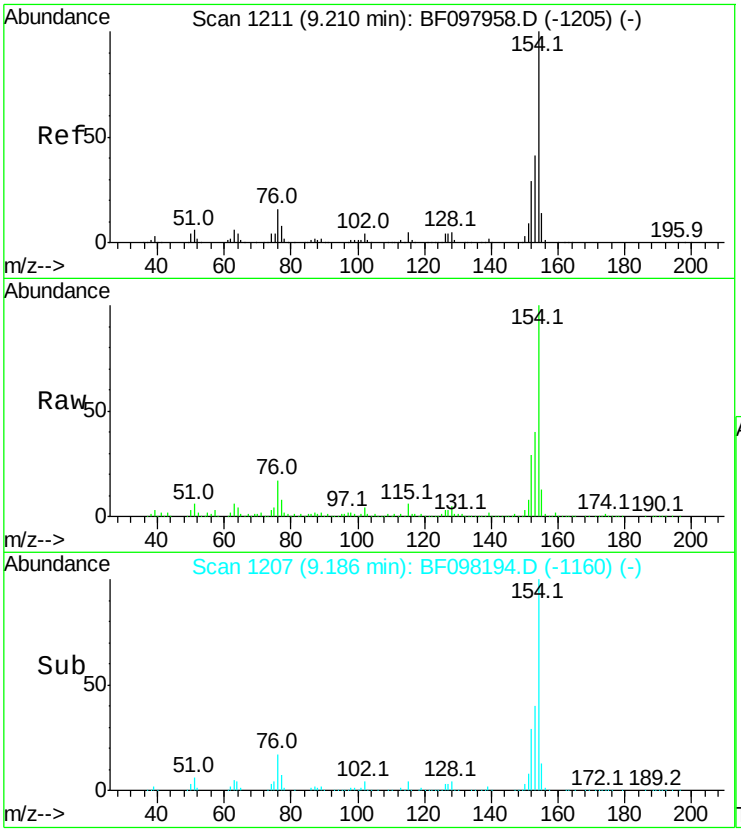




#44
2-Fluorobiphenyl
Concen: 7.482 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:172 Resp: 86516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 29.6 | 44.4 |
| 170 | 24.3 | 19.8 | 29.8 |



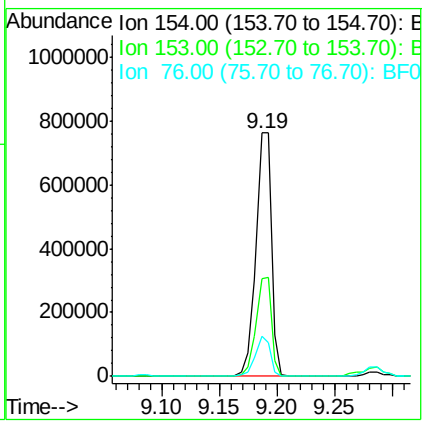


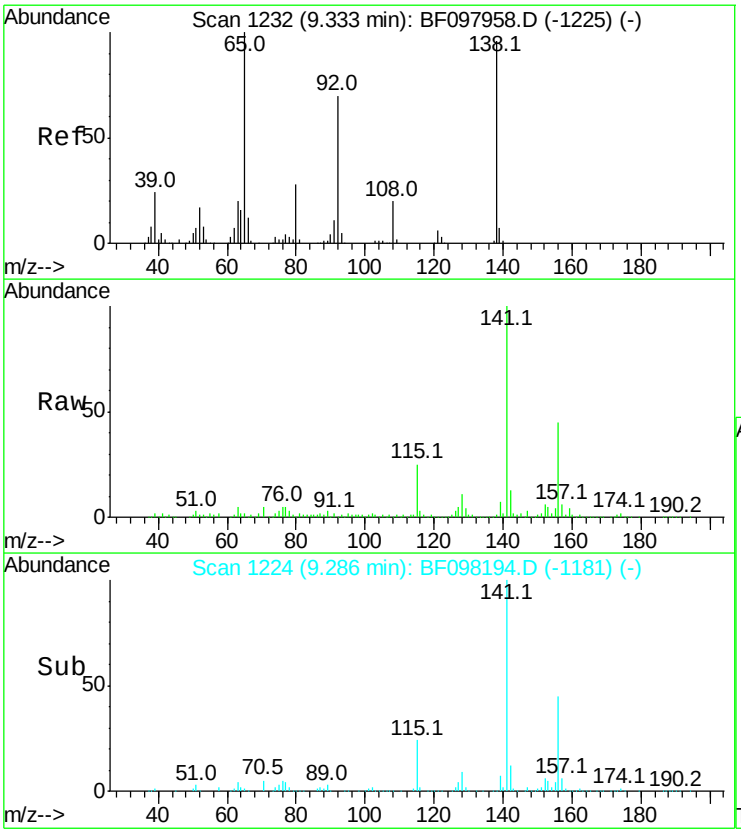

#45
1,1'-Biphenyl
Concen: 46.926 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:154 Resp: 726948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 21.2 | 61.2 |
| 76 | 16.6 | 0.0 | 29.9 |

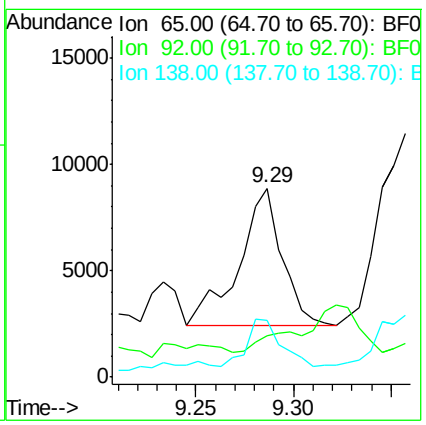


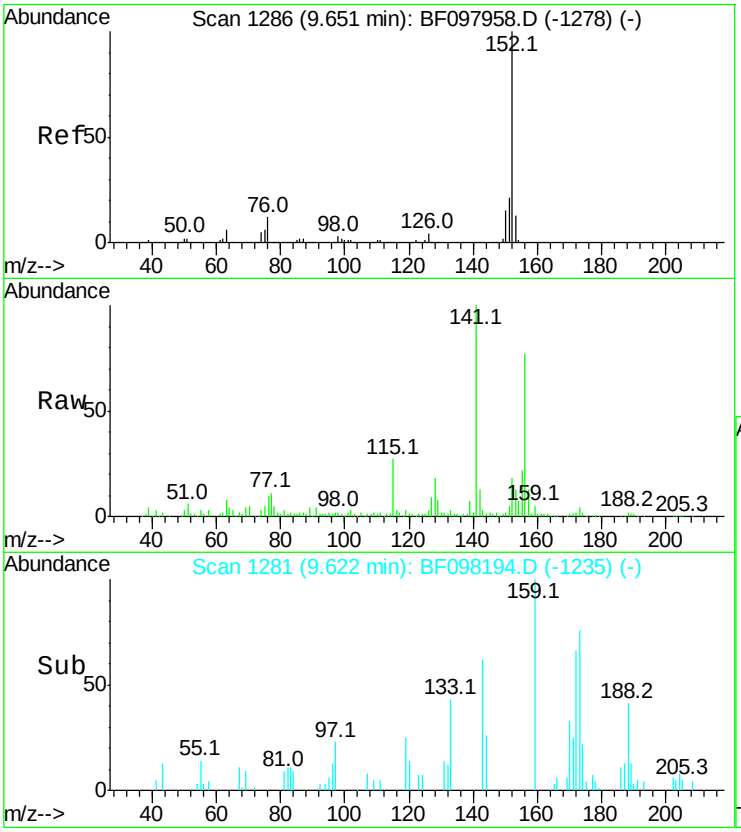




#47
2-Nitroaniline
Concen: 2.593 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.05 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion: 65 Resp: 9949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 22.0 | 53.9 | 80.9# |
| 138 | 29.9 | 78.8 | 118.2# |



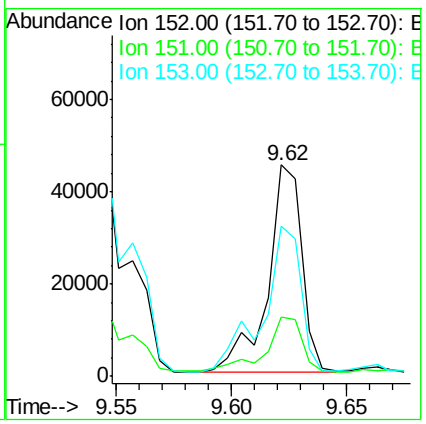


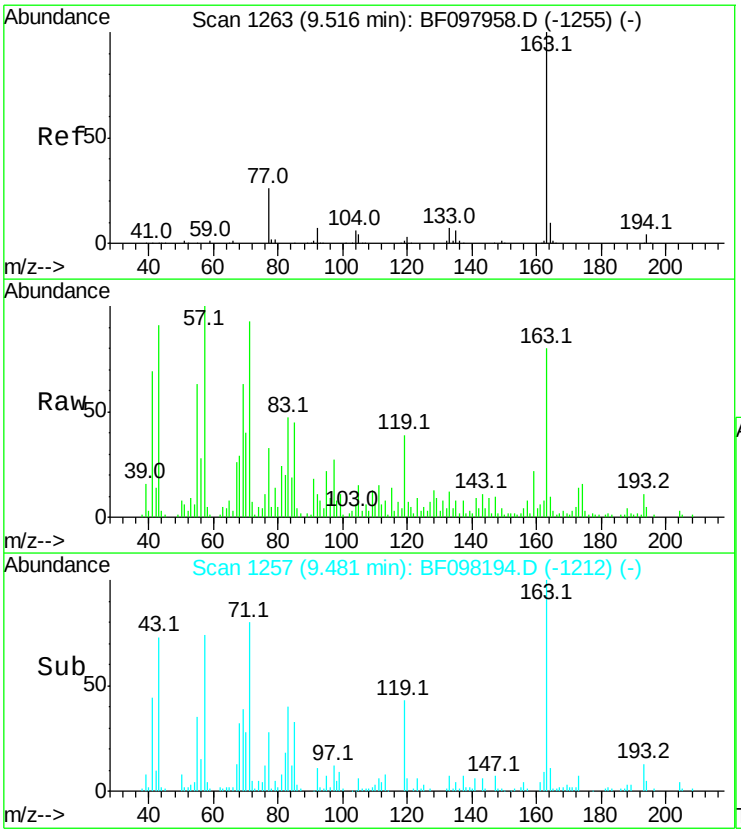

#48
Acenaphthylene
Concen: 2.589 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:152 Resp: 46540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 28.0 | 16.8 | 25.2# |
| 153 | 71.1 | 10.8 | 16.2# |

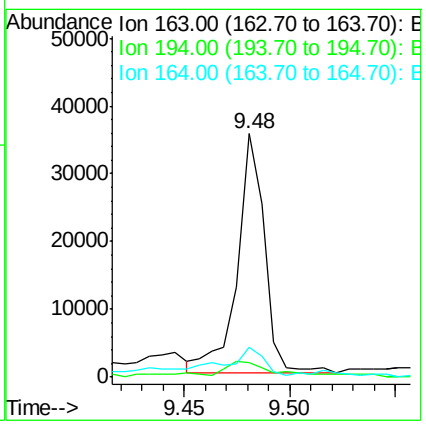


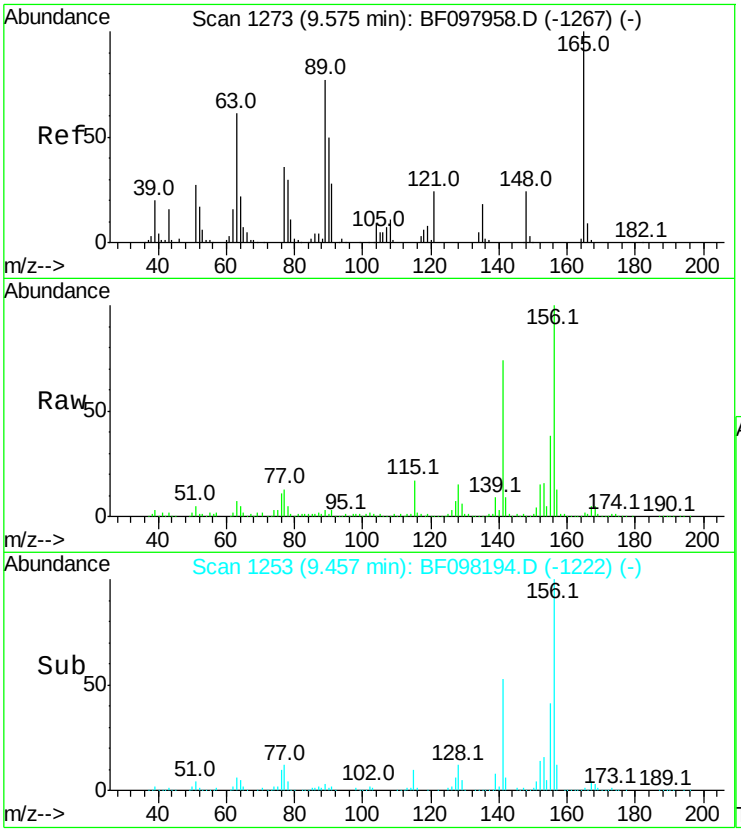




#49
Dimethylphthalate
Concen: 2.503 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:163 Resp: 31078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 6.0 | 2.6 | 4.0# |
| 164 | 12.4 | 8.4 | 12.6 |



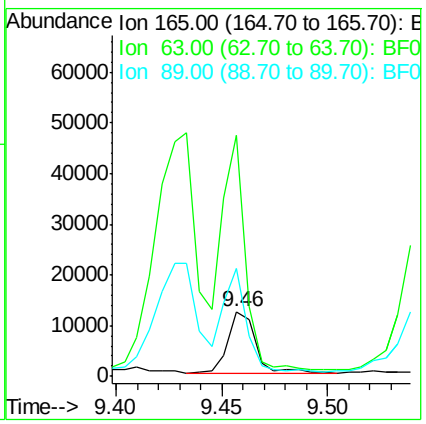


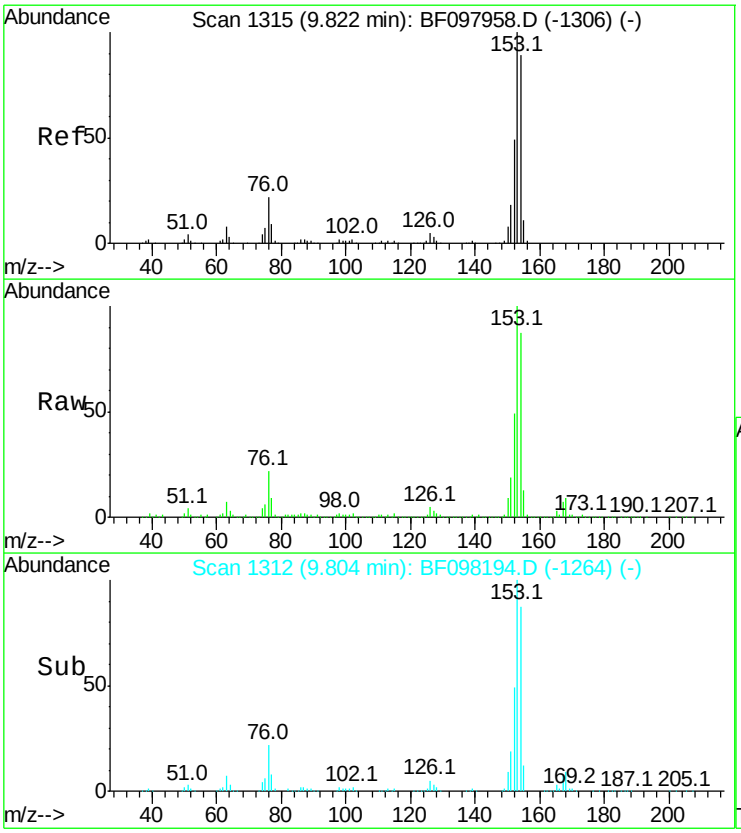

#50
2,6-Dinitrotoluene
Concen: 4.423 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.12 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:165 Resp: 10963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 373.6 | 34.3 | 51.5# |
| 89 | 166.6 | 37.1 | 55.7# |

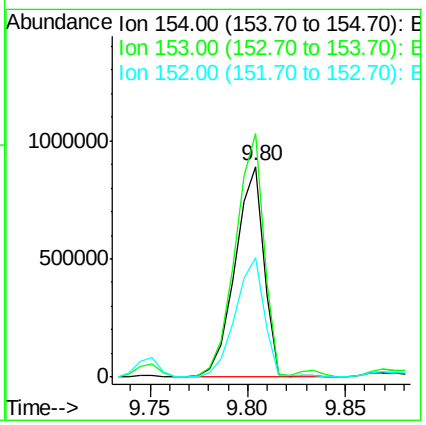


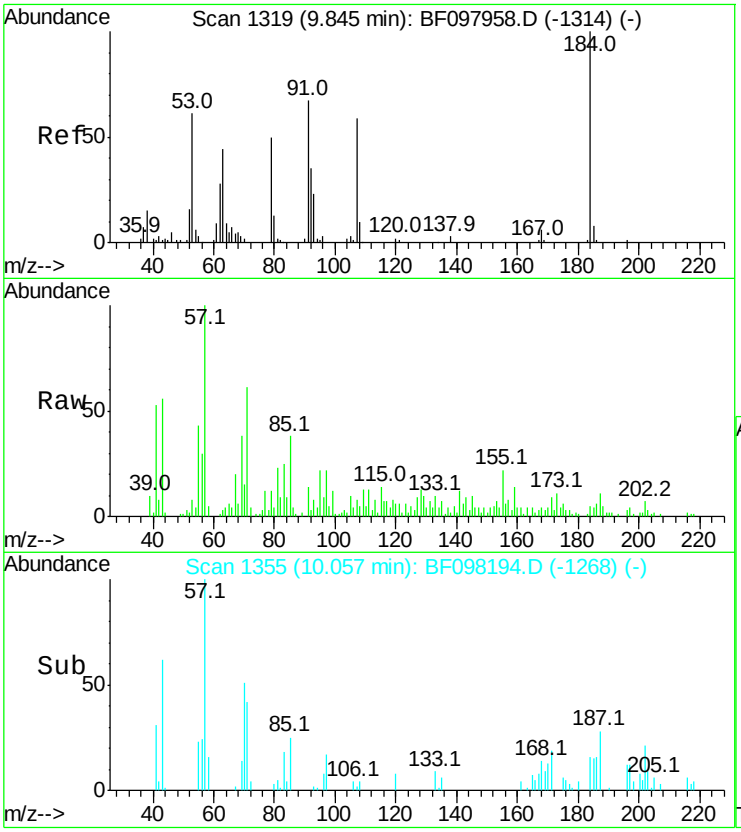




#51
Acenaphthene
Concen: 80.285 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:154 Resp: 910134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.5 | 90.5 | 135.7 |
| 152 | 56.9 | 43.6 | 65.4 |



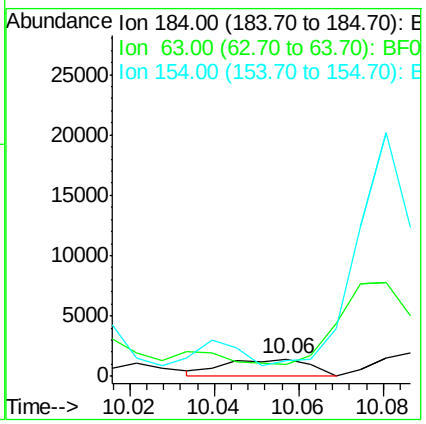


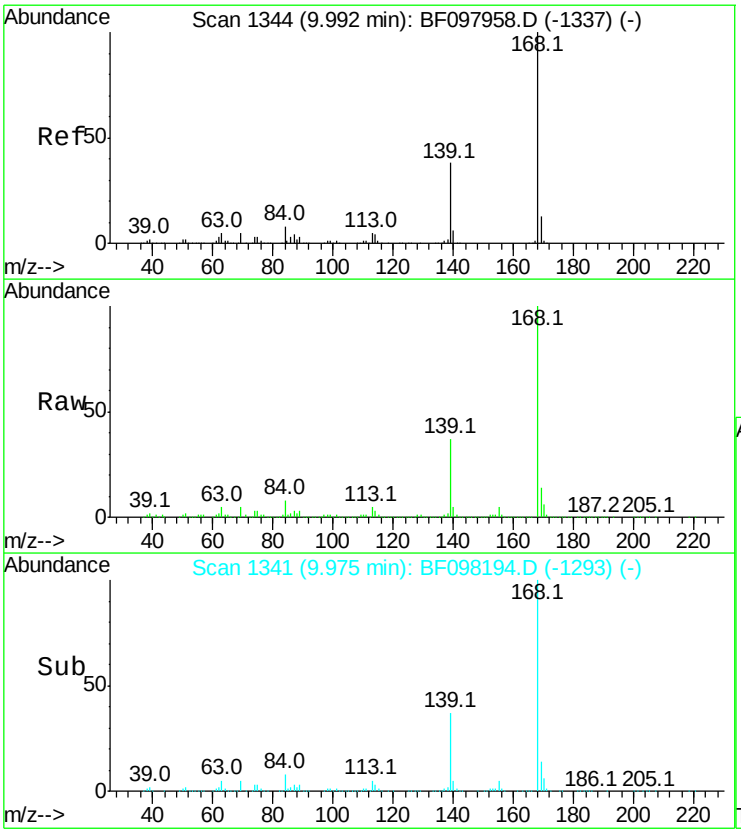

#53
2,4-Dinitrophenol
Concen: 11.602 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.21 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:184 Resp: 1971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.6 | 62.7 | 94.1 |
| 154 | 87.1 | 81.1 | 121.7 |

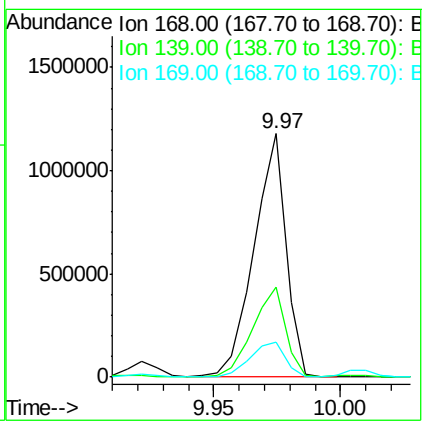


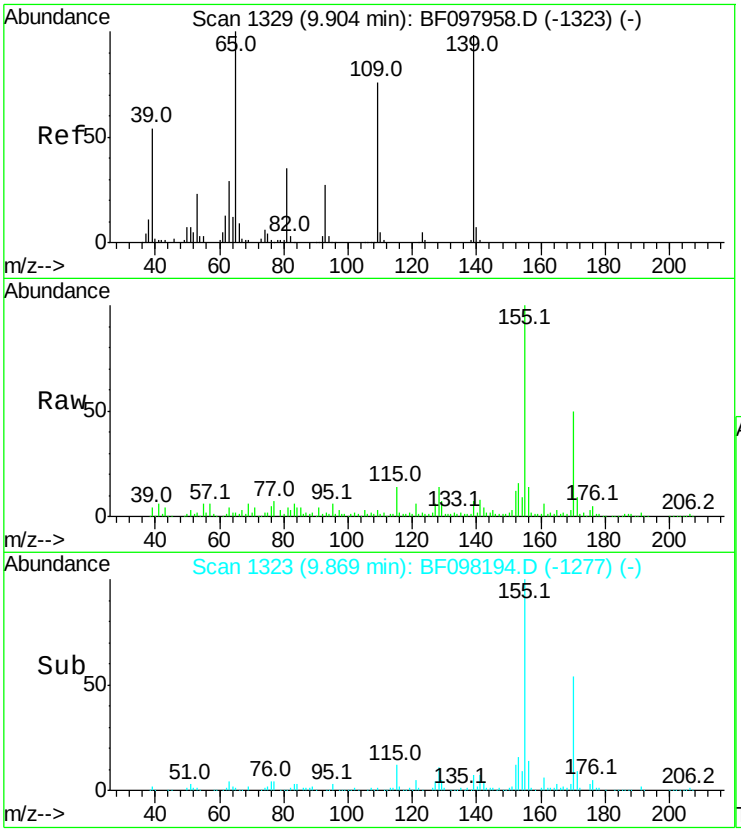




#54
Dibenzofuran
Concen: 68.458 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:168 Resp: 1040098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.8 | 30.6 | 45.8 |
| 169 | 14.1 | 10.8 | 16.2 |



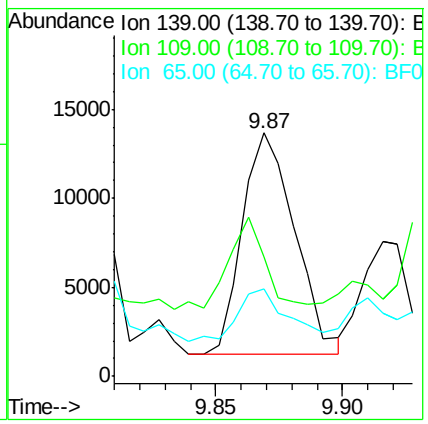


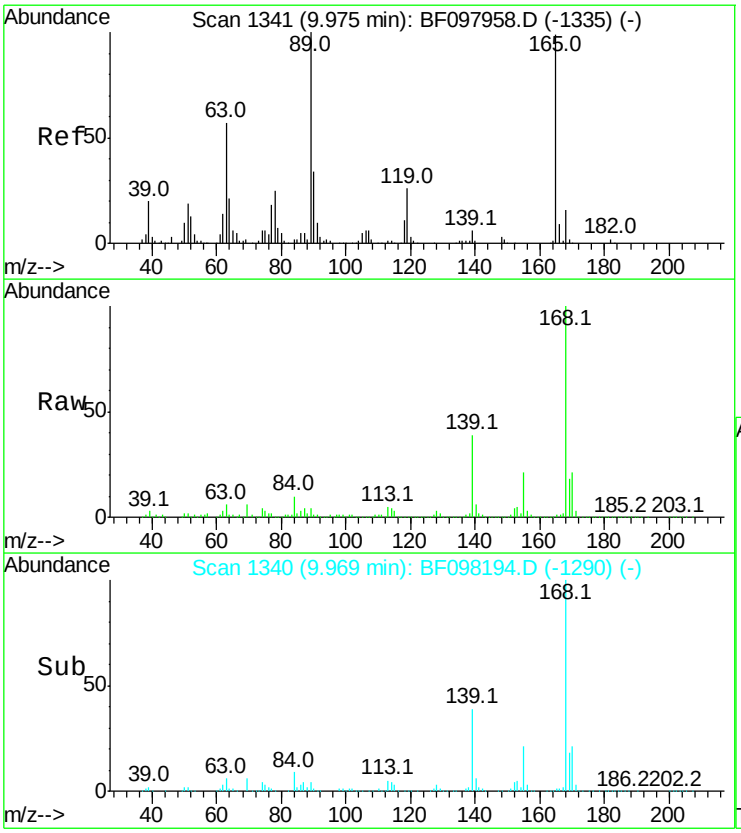

#55
4-Nitrophenol
Concen: 7.063 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.03 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:139 Resp: 18017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 49.3 | 34.1 | 74.1 |
| 65 | 35.8 | 31.4 | 71.4 |

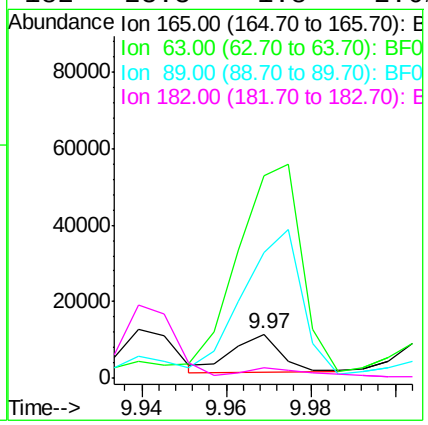


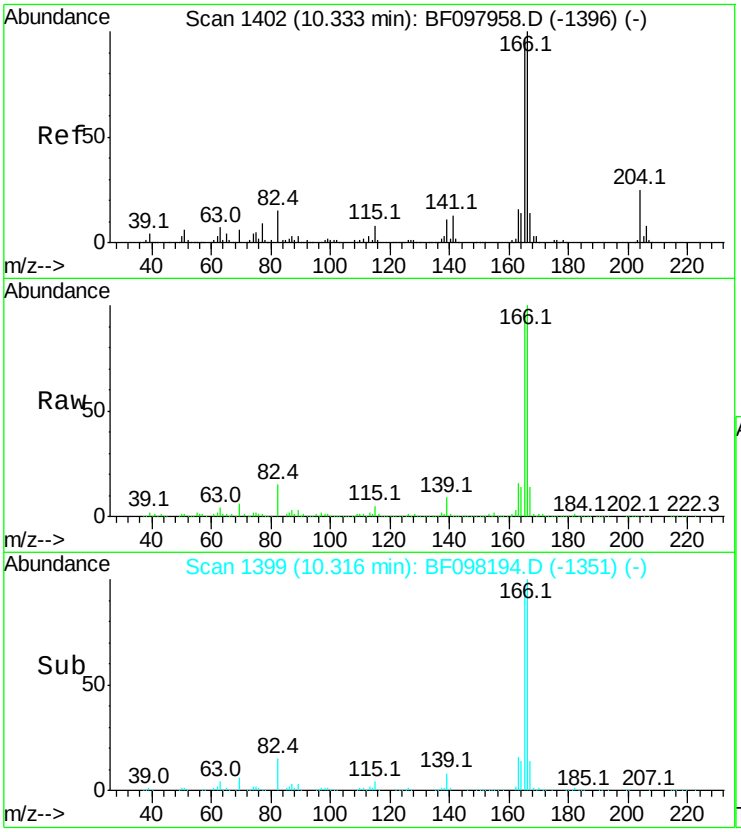




#56
2,4-Dinitrotoluene
Concen: 2.606 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:165 Resp: 8106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 460.5 | 25.4 | 38.0# |
| 89 | 284.2 | 46.4 | 69.6# |
| 182 | 23.3 | 1.8 | 2.6# |



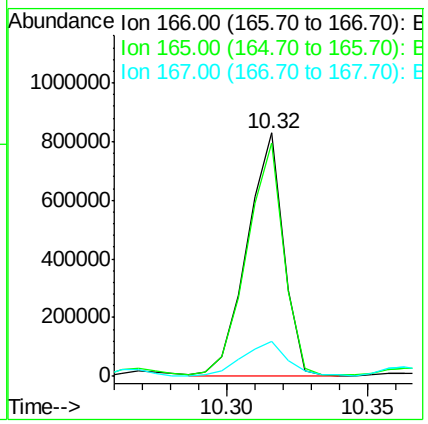


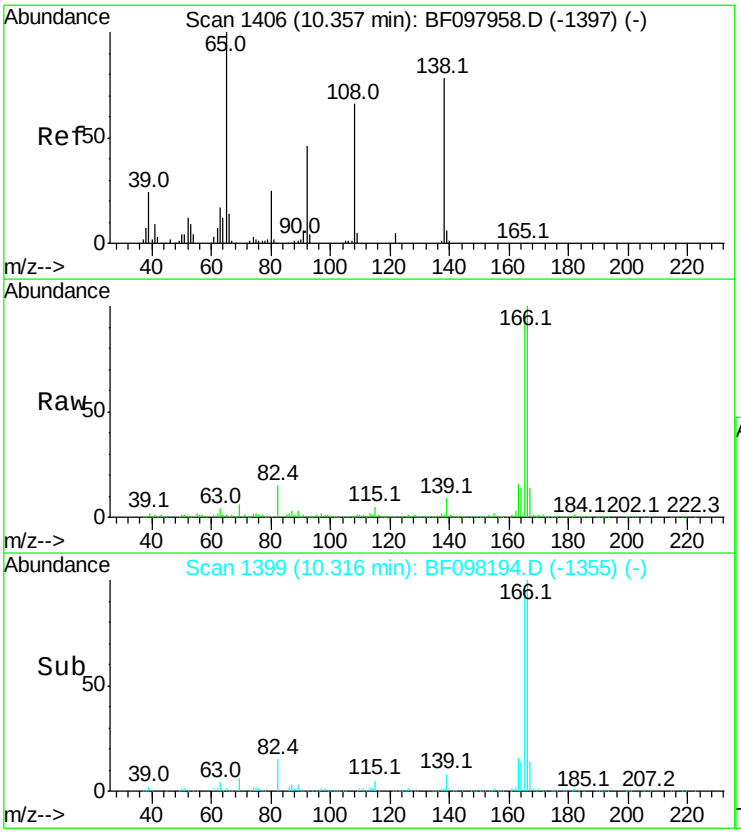

#57
Fluorene
Concen: 63.047 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:166 Resp: 740584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.7 | 78.8 | 118.2 |
| 167 | 14.5 | 10.6 | 16.0 |

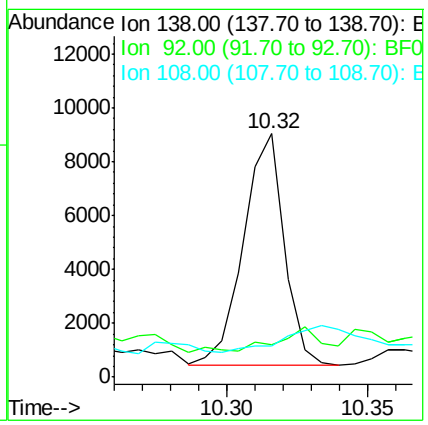


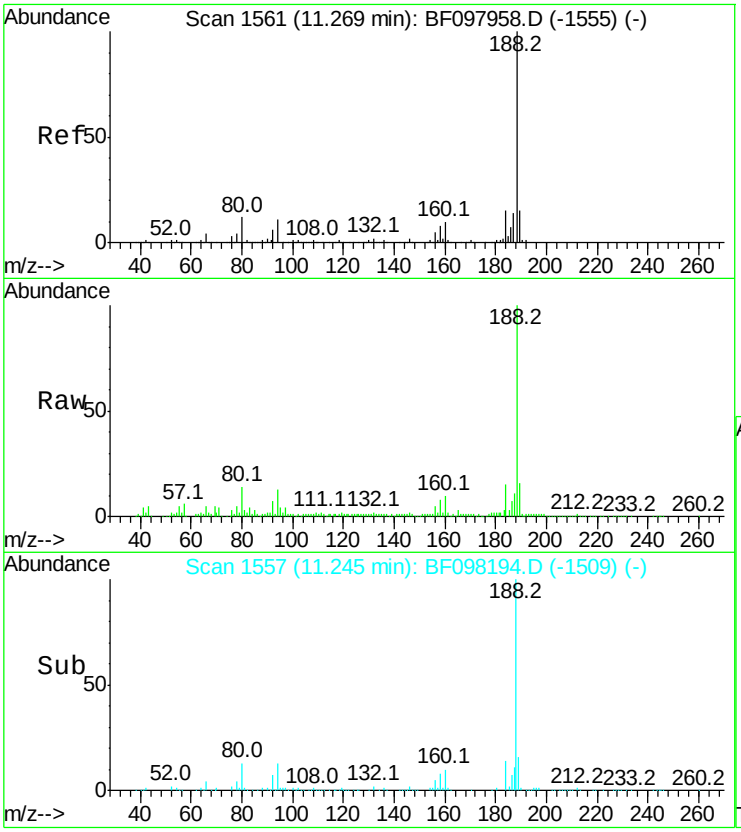




#61
4-Nitroaniline
Concen: 2.846 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:138 Resp: 8649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 13.2 | 21.8 | 61.8# |
| 108 | 12.9 | 42.3 | 82.3# |



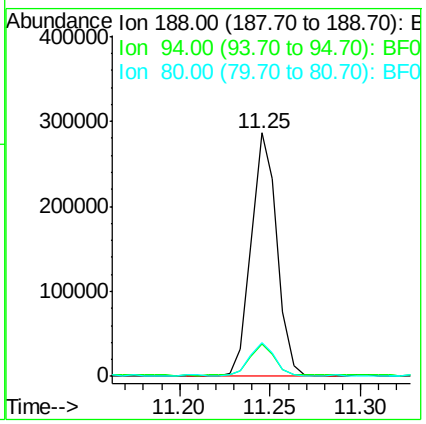


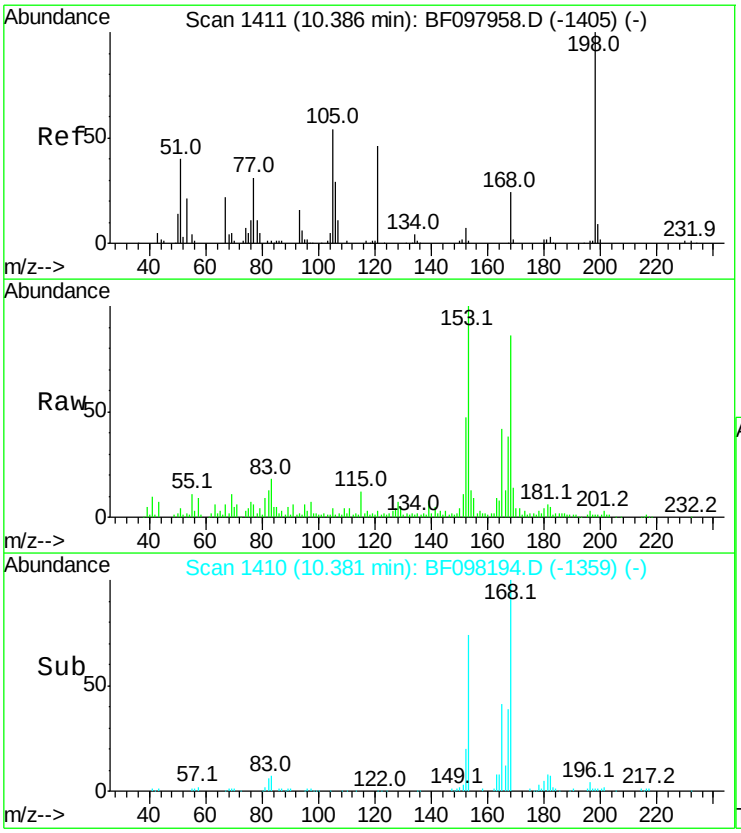

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:188 Resp: 279639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.1 | 9.4 | 14.2 |
| 80 | 13.7 | 10.2 | 15.2 |

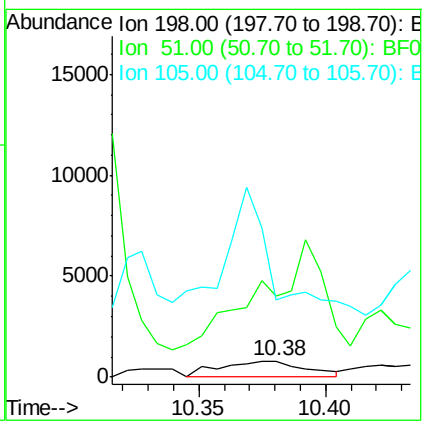


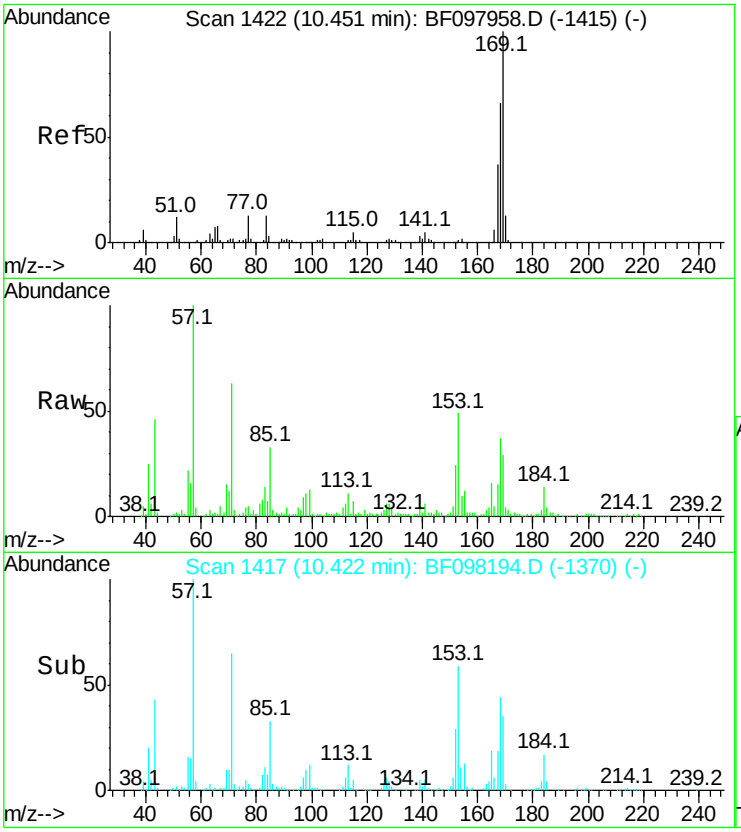




#64
4,6-Dinitro-2-methylphenol
Concen: 9.494 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:198 Resp: 1870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 505.9 | 53.2 | 93.2# |
| 105 | 483.1 | 45.8 | 85.8# |



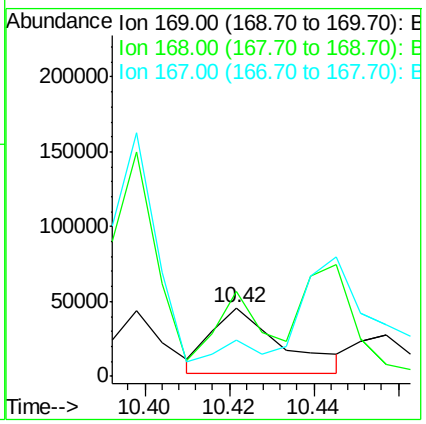


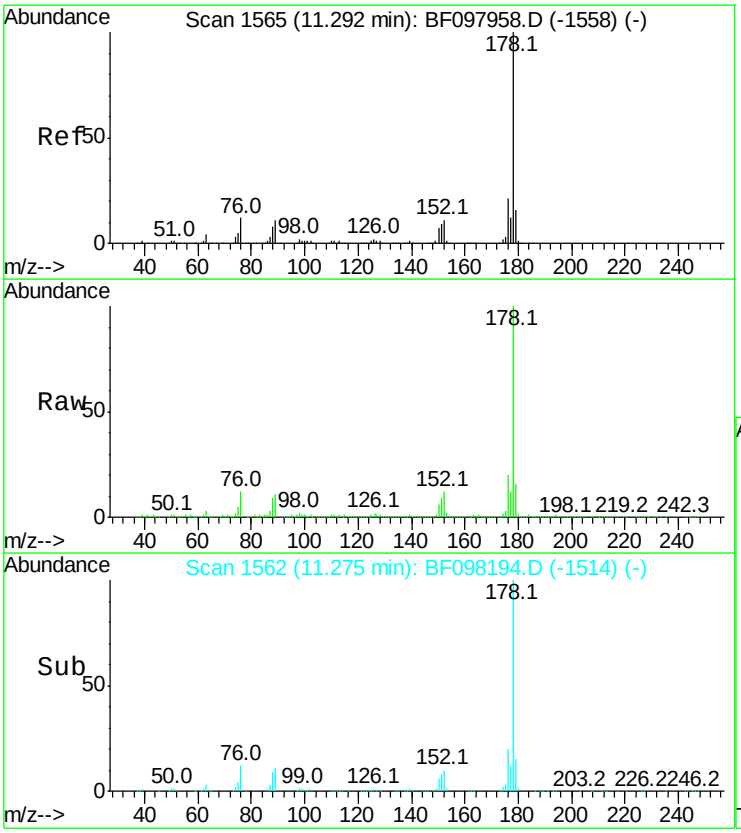

#65
n-Nitrosodiphenylamine
Concen: 5.304 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:169 Resp: 50506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 124.1 | 53.2 | 79.8# |
| 167 | 52.6 | 29.5 | 44.3# |

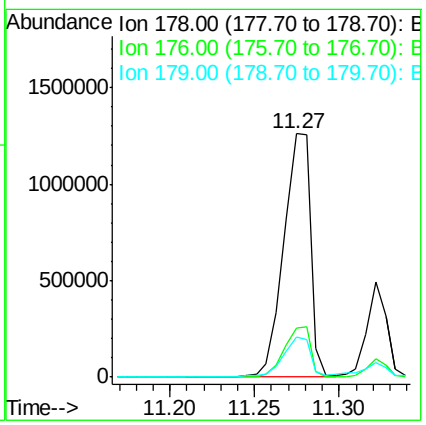


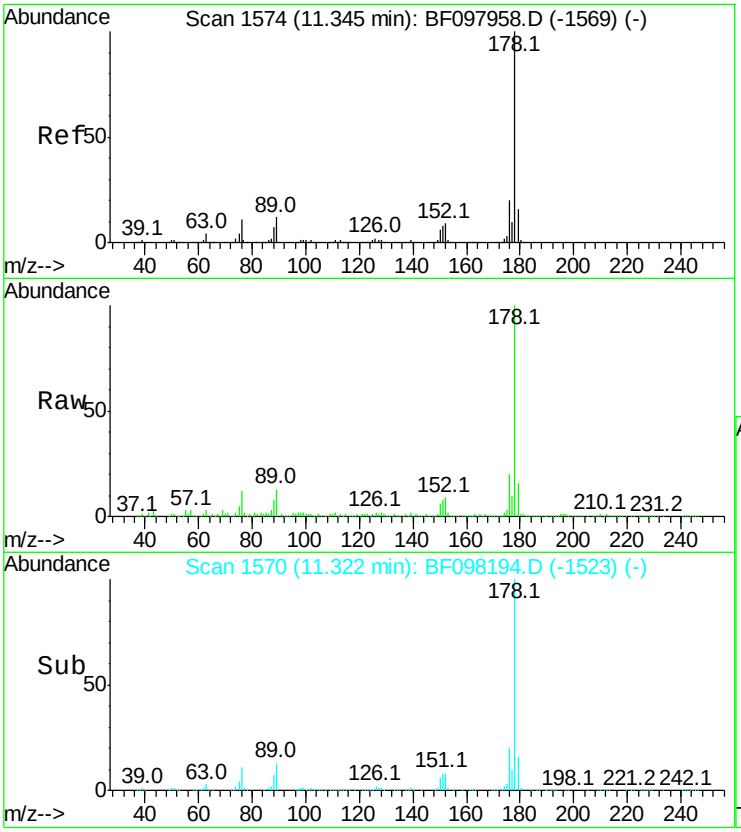




#70
Phenanthrene
Concen: 93.155 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:178 Resp: 1388117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.2 | 24.4 |
| 179 | 16.2 | 12.6 | 19.0 |



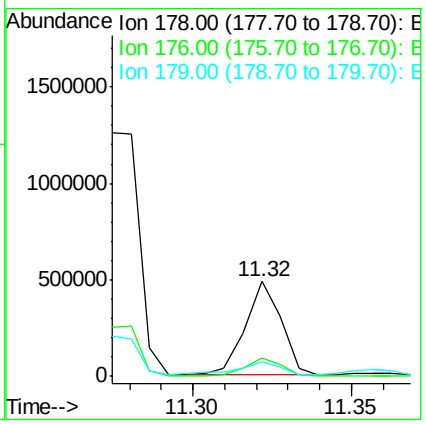


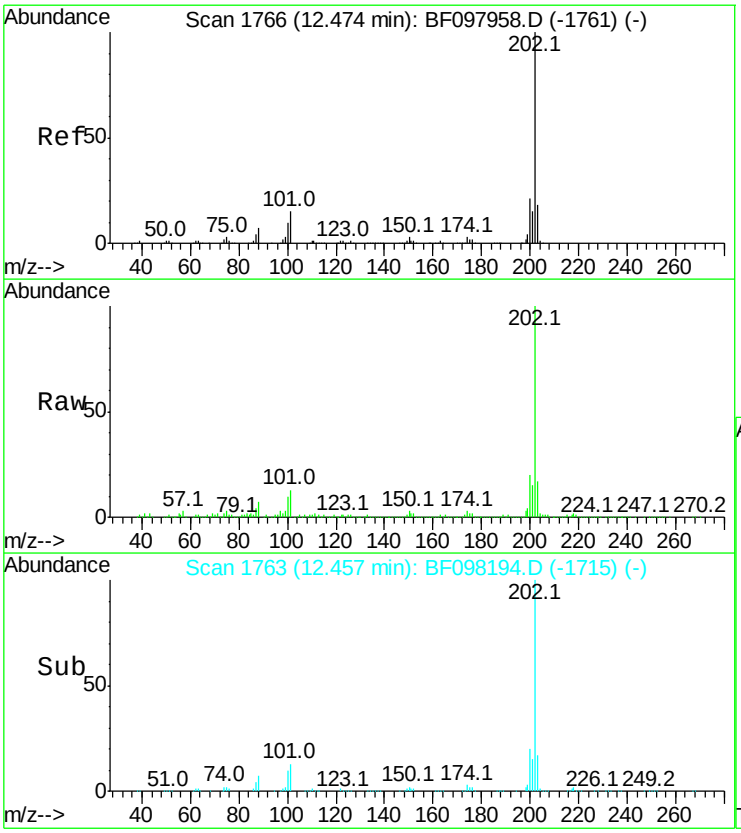

#71
Anthracene
Concen: 25.072 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:178 Resp: 378931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 15.8 | 23.8 |
| 179 | 16.0 | 12.7 | 19.1 |

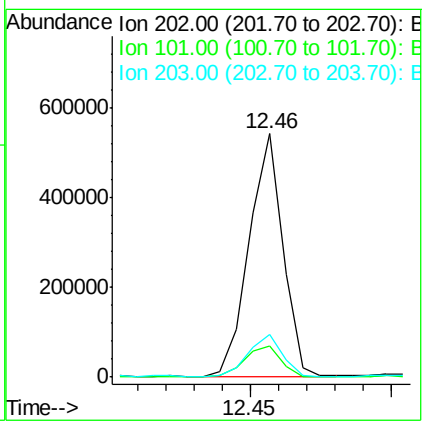


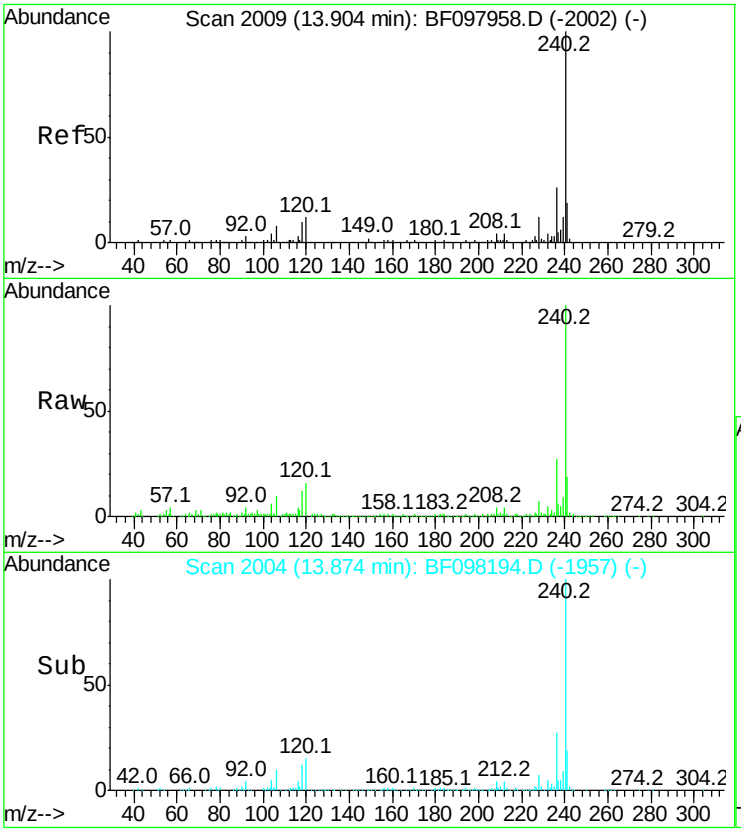




#74
Fluoranthene
Concen: 28.834 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:202 Resp: 448471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 33.2 |
| 203 | 17.3 | 0.0 | 38.1 |



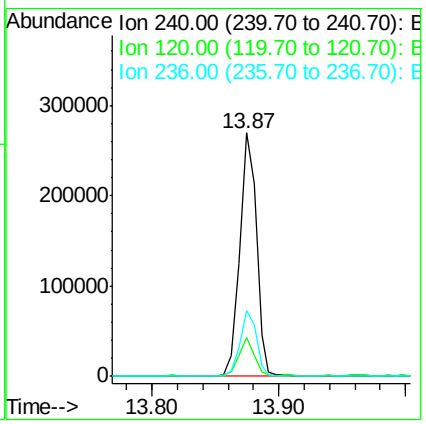


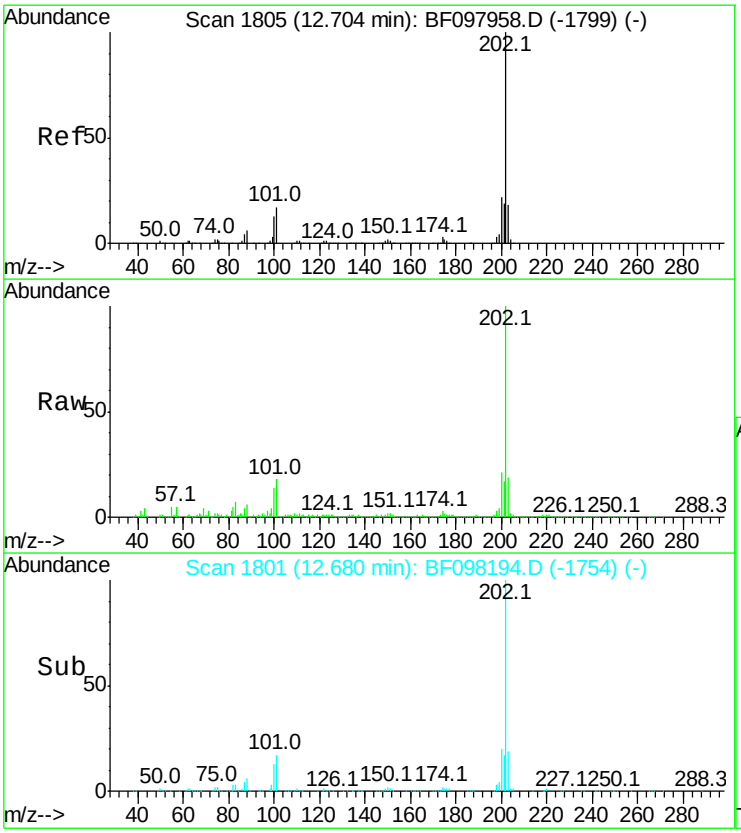

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:240 Resp: 244649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.7 | 5.8 | 8.8# |
| 236 | 26.8 | 20.5 | 30.7 |

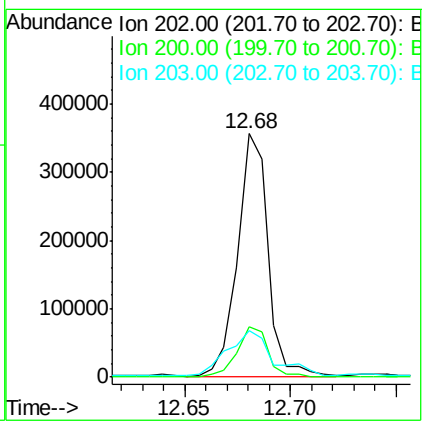


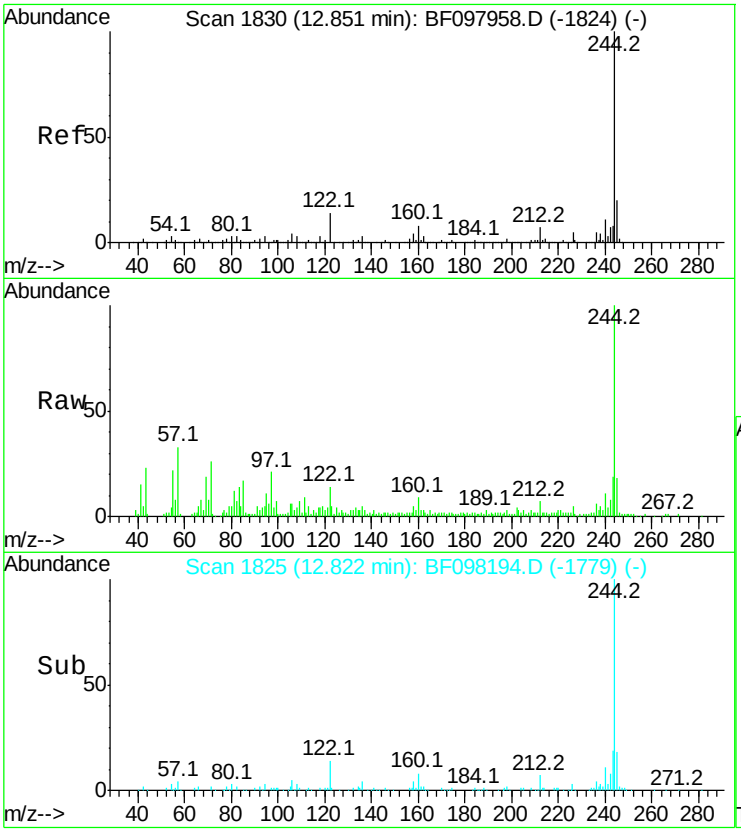




#77
Pyrene
Concen: 17.580 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:202 Resp: 351774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.6 | 26.4 |
| 203 | 19.3 | 14.4 | 21.6 |



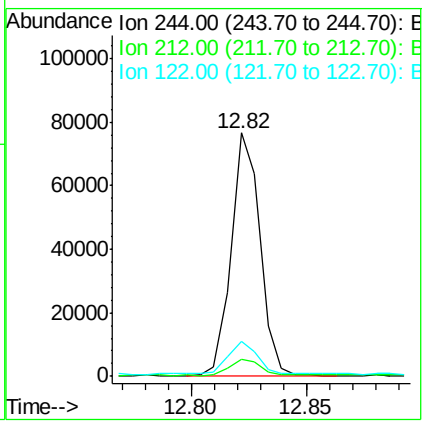


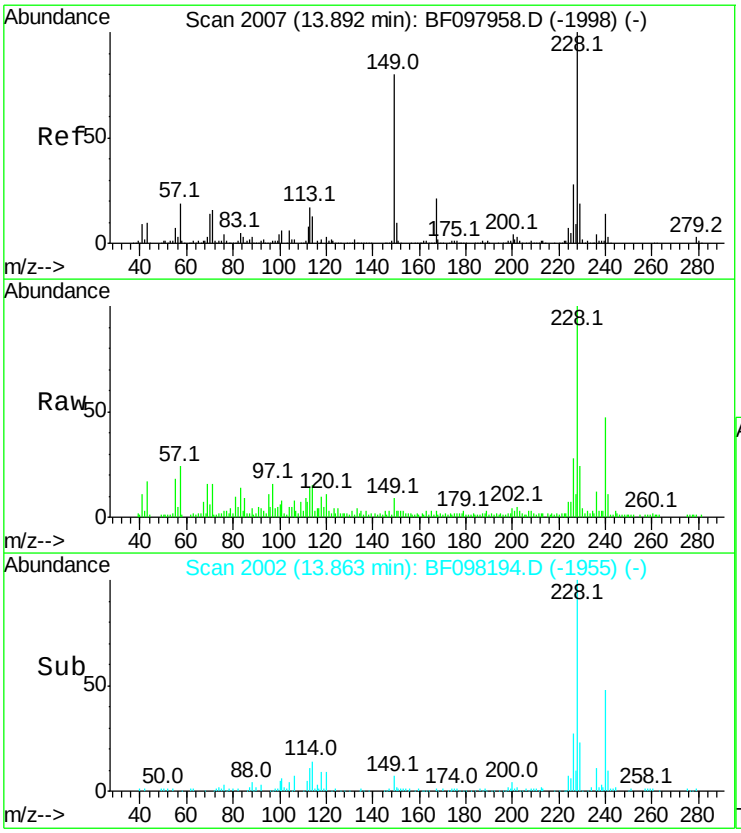

#78
Terphenyl-d14
Concen: 5.702 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:244 Resp: 66897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 14.4 | 10.3 | 15.5 |

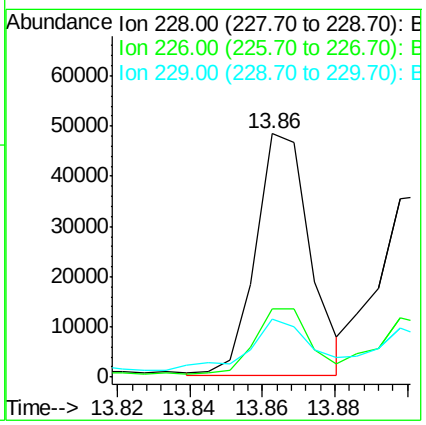


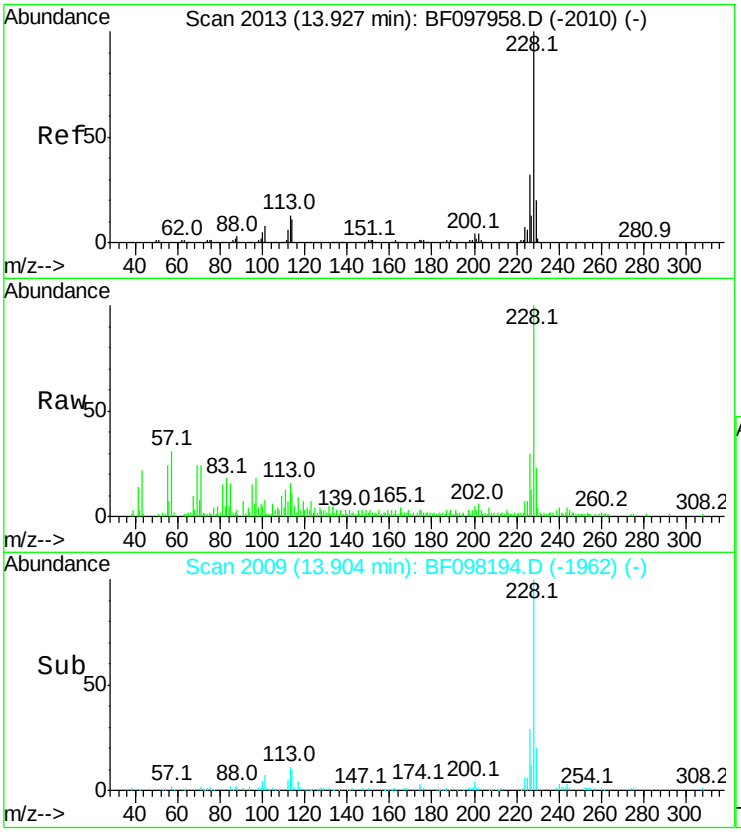




#80
Benzo(a)anthracene
Concen: 3.414 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:228 Resp: 50053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 22.6 | 33.8 |
| 229 | 23.9 | 16.3 | 24.5 |



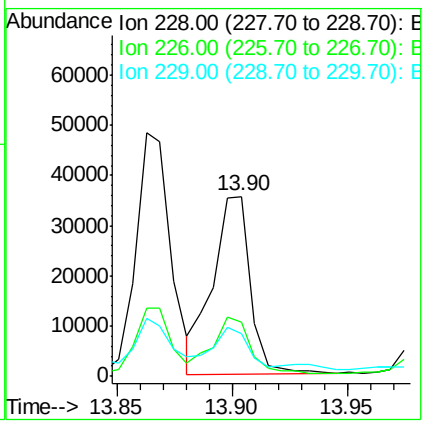


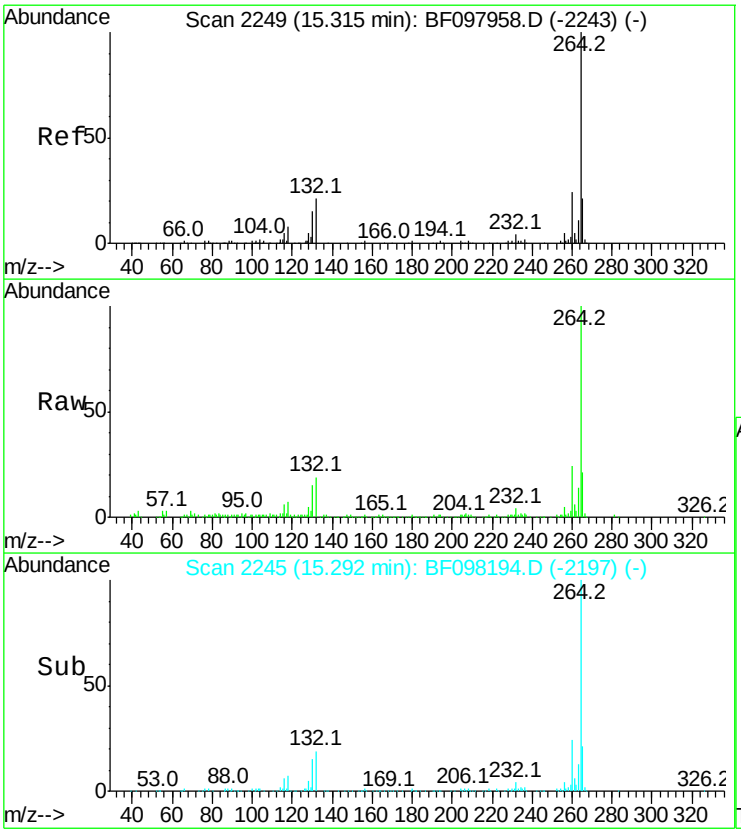

#82
Chrysene
Concen: 2.768 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:228 Resp: 40381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.9 | 37.3 |
| 229 | 23.3 | 15.8 | 23.6 |

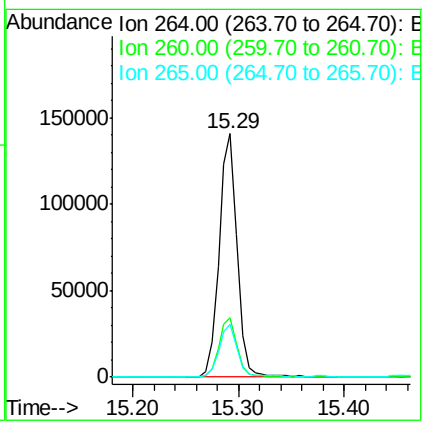


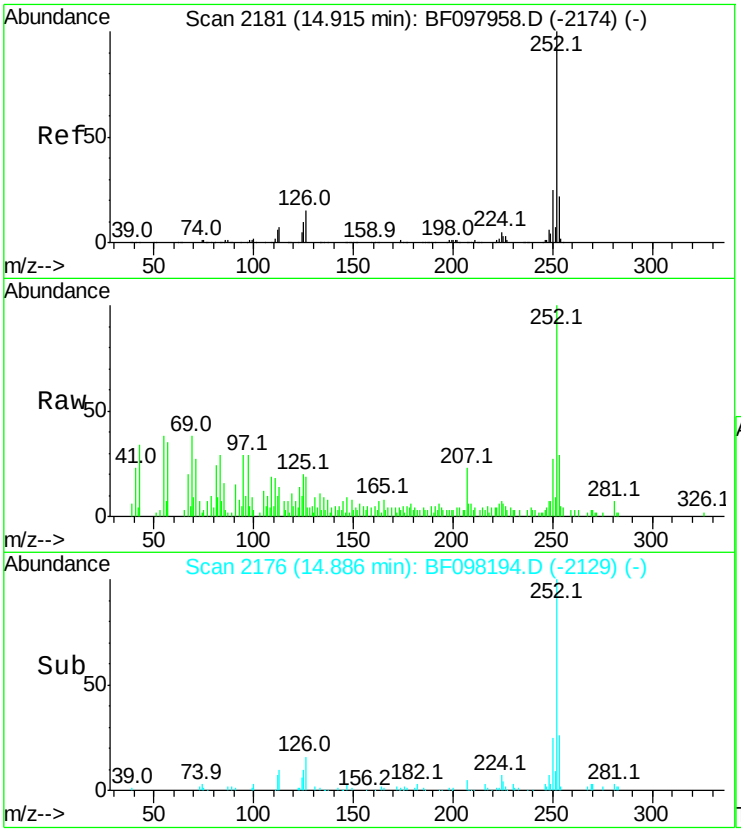




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:264 Resp: 167395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.5 | 29.3 |
| 265 | 21.5 | 17.2 | 25.8 |



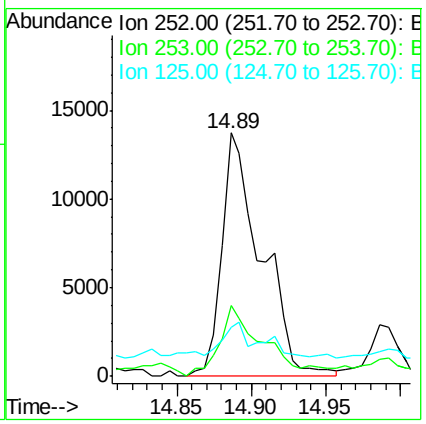


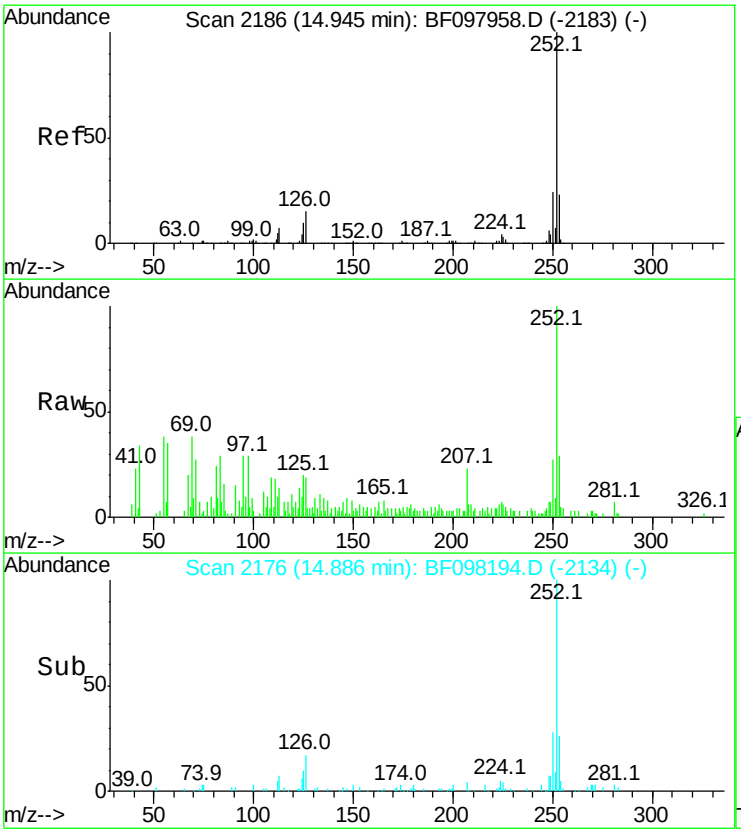

#87
Benzo(b)fluoranthene
Concen: 2.416 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

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

Tgt Ion:252 Resp: 25488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 18.1 | 27.1# |
| 125 | 20.1 | 9.8 | 14.8# |




#88
Benzo(k)fluoranthene
Concen: 2.571 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.05 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:252 Resp: 25488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 18.4 | 27.6# |
| 125 | 20.1 | 13.1 | 19.7# |