Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090718\

Quantitation Report (Not Reviewed)

Data File : BF108867.D
Acq On : 7 Sep 2018 18:13
Operator : JU/SJ
Sample : J4825-18MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EP1-WS-COMP-18MS

Quant Time: Sep 07 23:22:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 217357 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 802193 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 358252 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.24 | 188 | 557636 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 464659 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.28 | 264 | 500215 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 1508908 | 115.01 | ng | 0.02 |
| 7) Phenol-d6 | 6.38 | 99 | 1926083 | 114.10 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1242198 | 96.91 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 389332 | 113.84 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 2030212 | 96.68 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1435595 | 72.05 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 170055 | 14.492 | ng | # 77 |
| 25) Isophorone | 7.30 | 82 | 1238067 | 48.421 | ng | # 64 |
| 32) Benzoic acid | 7.81 | 122 | 350 | 4.068 | ng | # 36 |
| 49) Dimethylphthalate | 9.48 | 163 | 551041 | 21.991 | ng | 99 |
| 56) 2,4-Dinitrotoluene | 9.77 | 165 | 47471 | 7.774 | ng | # 23 |
| 57) Fluorene | 10.31 | 166 | 39197 | 2.037 | ng | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 779 | 7.173 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.55 | 248 | 23952 | 3.803 | ng | # 1 |
| 70) Phenanthrene | 11.27 | 178 | 560177 | 21.036 | ng | 99 |
| 71) Anthracene | 11.32 | 178 | 136672 | 5.360 | ng | 98 |
| 74) Fluoranthene | 12.45 | 202 | 674734 | 25.591 | ng | 96 |
| 77) Pyrene | 12.68 | 202 | 672082 | 18.797 | ng | 99 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 393625 | 13.216 | ng | 98 |
| 82) Chrysene | 13.89 | 228 | 358320 | 12.428 | ng | 97 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 598942 | 22.020 | ng | 97 |
| 88) Benzo(k)fluoranthene | 14.88 | 252 | 598942 | 23.912 | ng | 99 |
| 89) Benzo(a)pyrene | 15.22 | 252 | 337225 | 13.741 | ng | 96 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 158437 | 7.317 | ng | 94 |

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

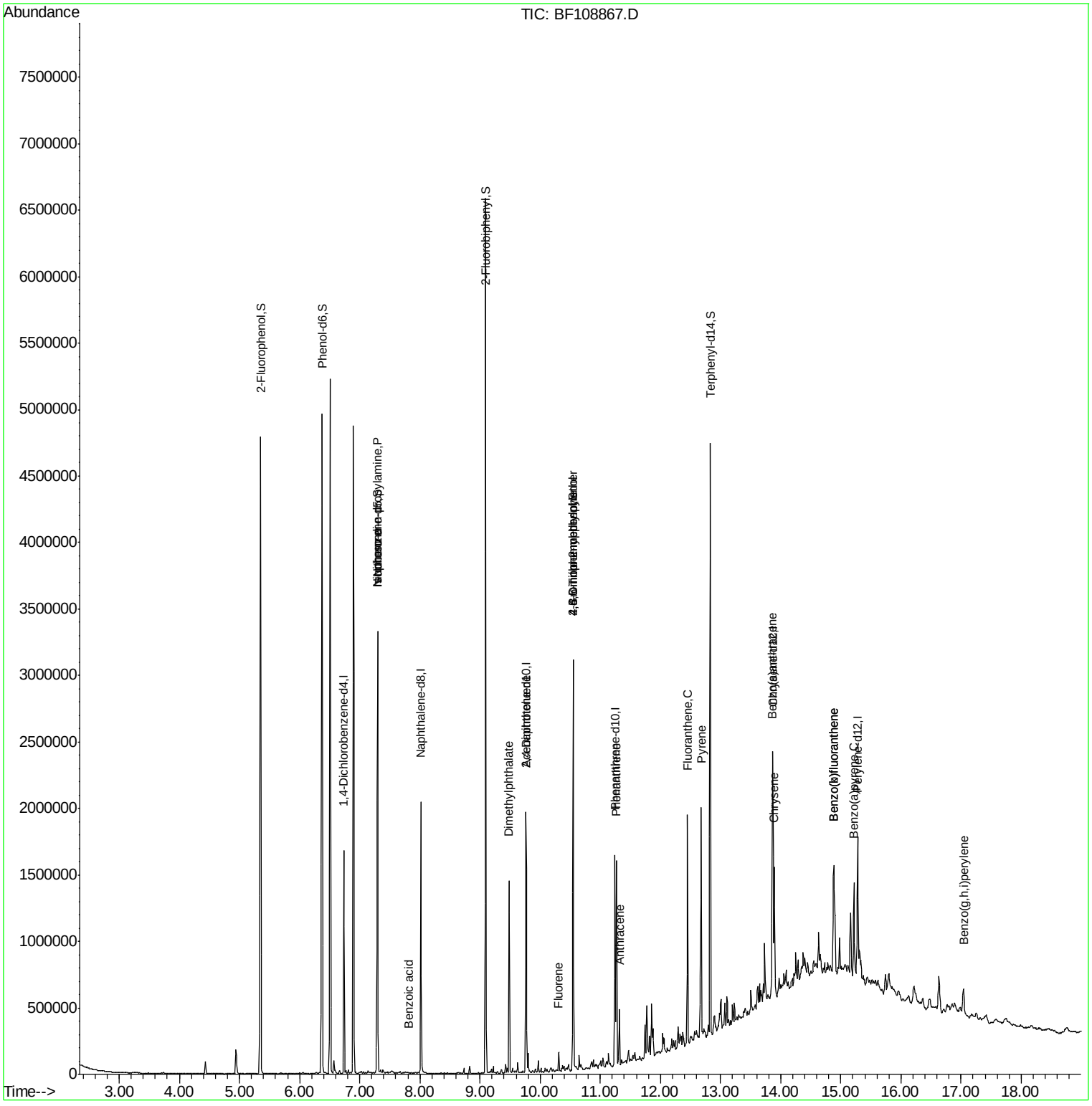
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090718\

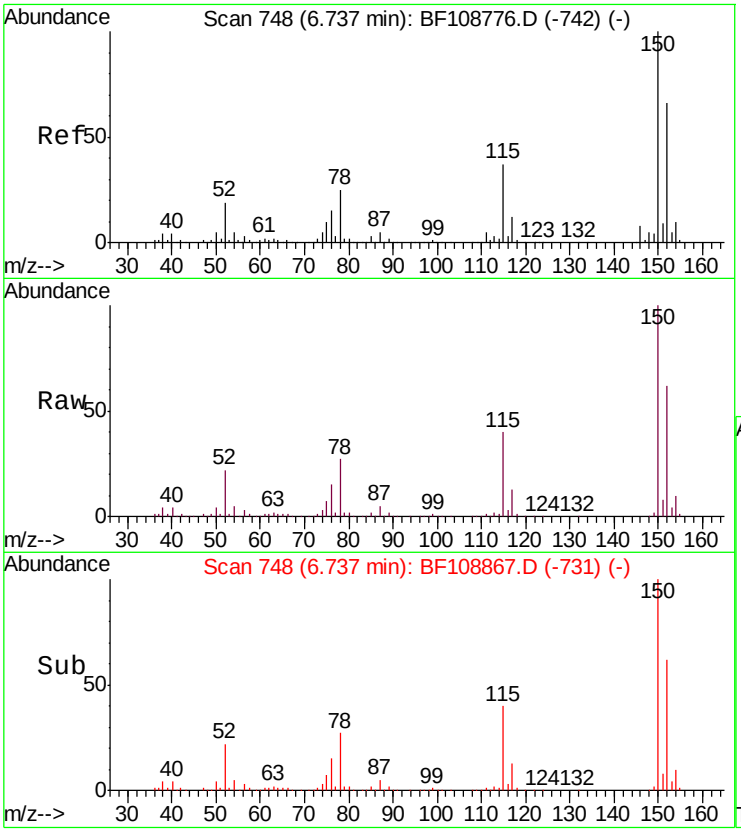
Quantitation Report (Not Reviewed)

Data File : BF108867.D
Acq On : 7 Sep 2018 18:13
Operator : JU/SJ
Sample : J4825-18MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Quant Time: Sep 07 23:22:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration



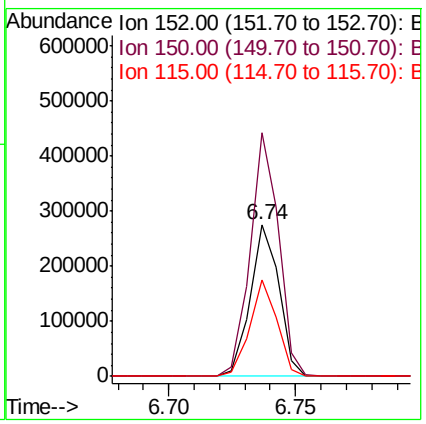


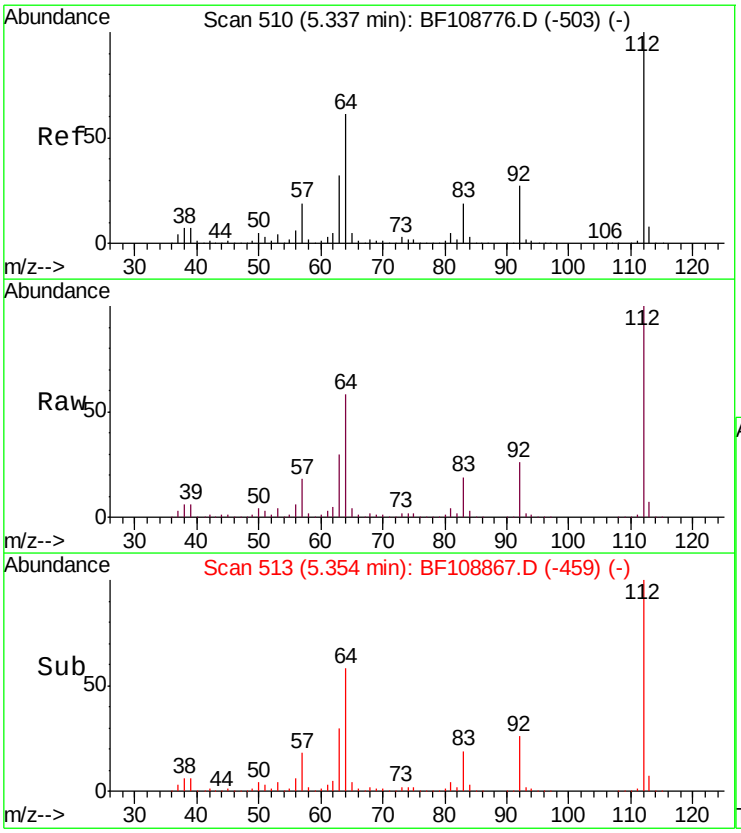

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:152 Resp: 217357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.7 | 124.6 | 186.8 |
| 115 | 63.5 | 50.1 | 75.1 |

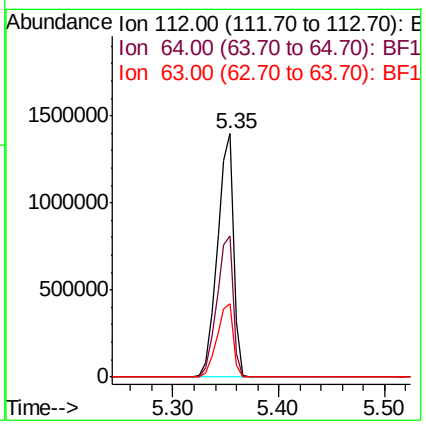


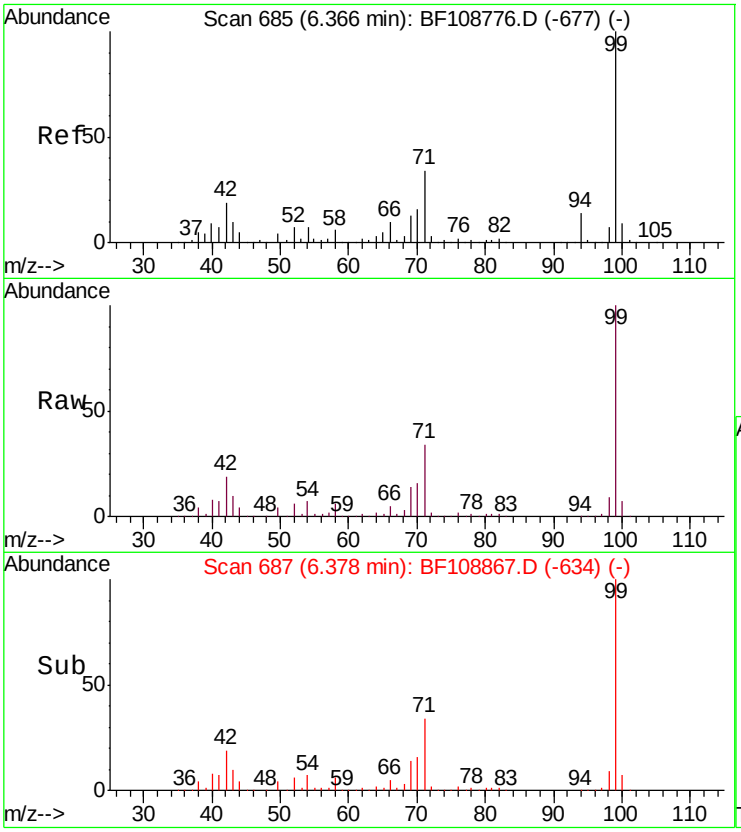




#5
2-Fluorophenol
Concen: 115.007 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:112 Resp: 1508908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.2 | 47.9 | 71.9 |
| 63 | 30.3 | 23.7 | 35.5 |



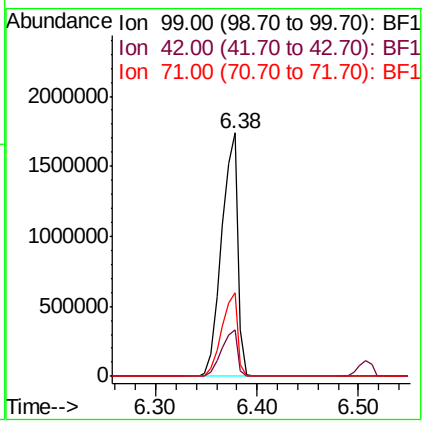


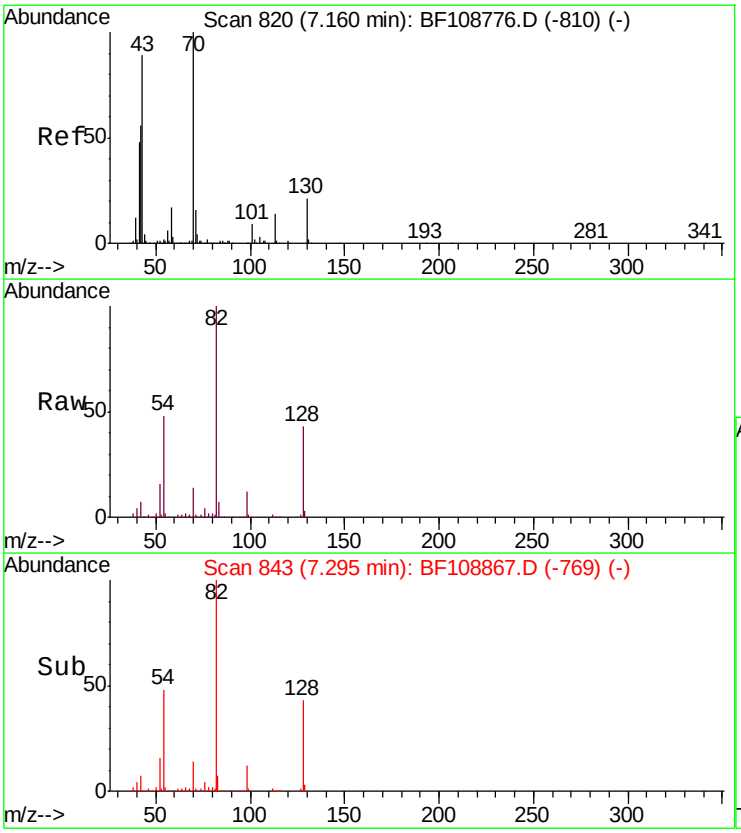

#7
Phenol-d6
Concen: 114.097 ng
RT: 6.38 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion: 99 Resp: 1926083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 14.5 | 21.7 |
| 71 | 34.4 | 25.4 | 38.0 |

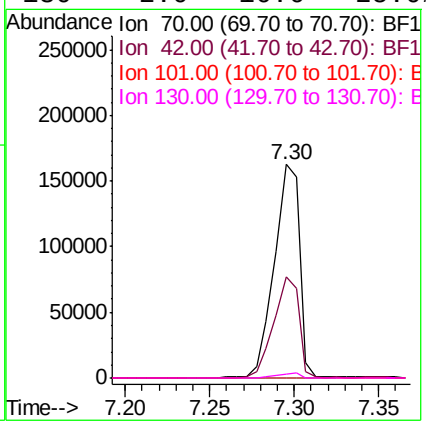


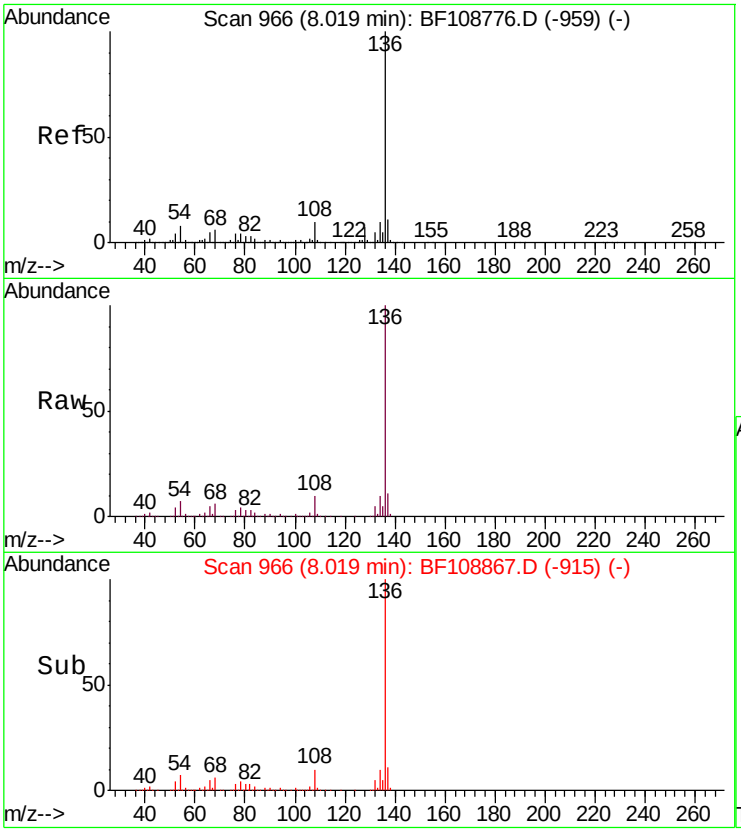




#19
n-Nitroso-di-n-propylamine
Concen: 14.492 ng
RT: 7.30 min Scan# 843
Delta R.T. 0.14 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion: 70 Resp: 170055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.3 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.0 | 16.6 | 25.0# |



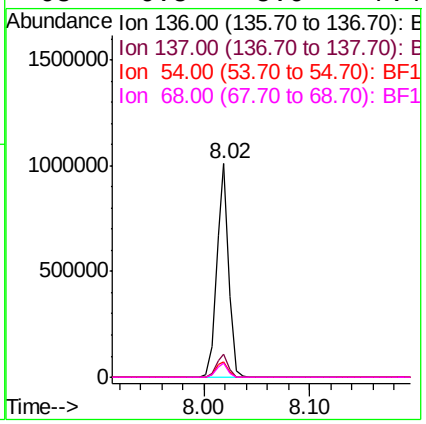


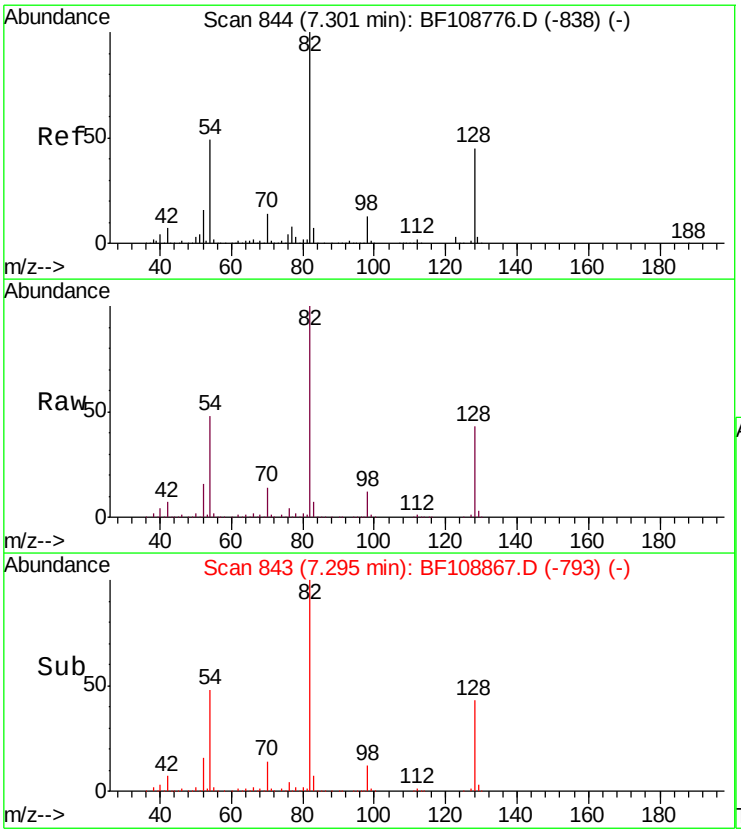

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:136 Resp: 802193

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

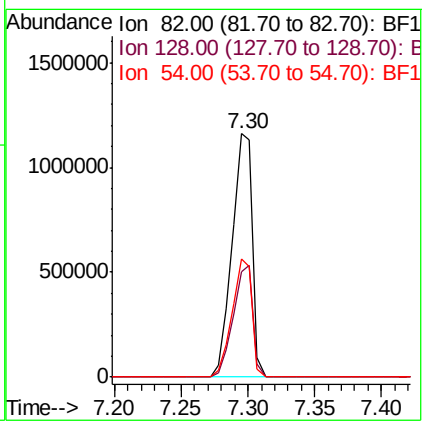


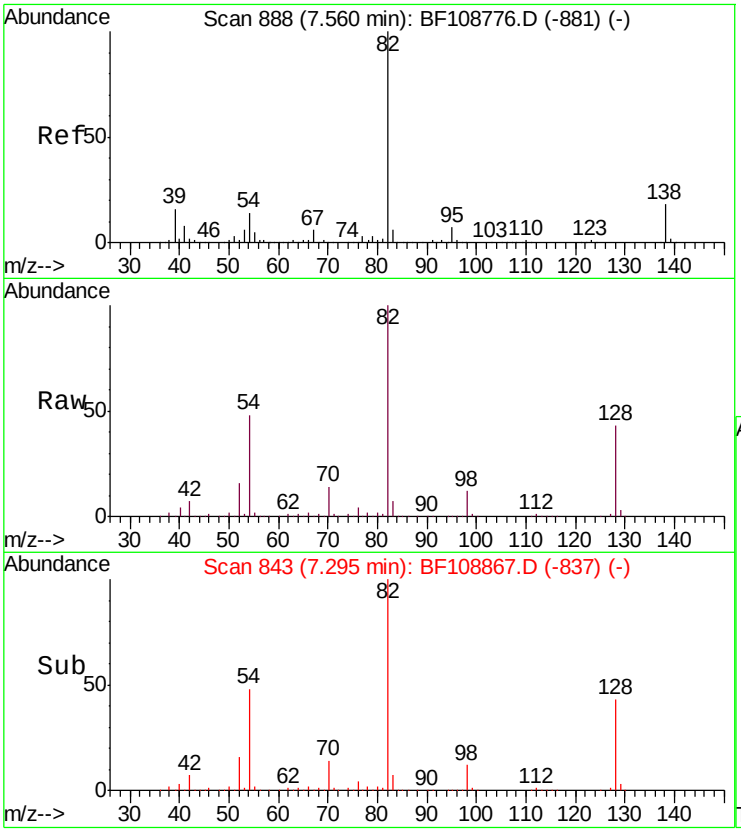




#23
Nitrobenzene-d5
Concen: 96.907 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion: 82 Resp: 1242198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 36.1 | 54.1 |
| 54 | 48.5 | 41.4 | 62.2 |



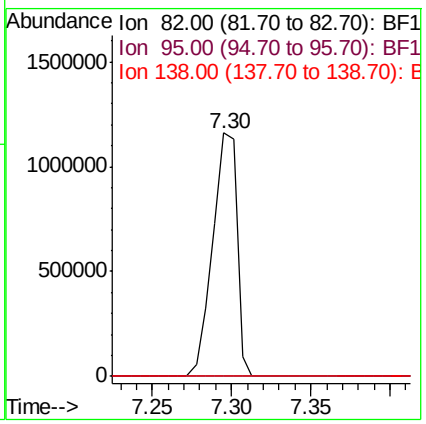


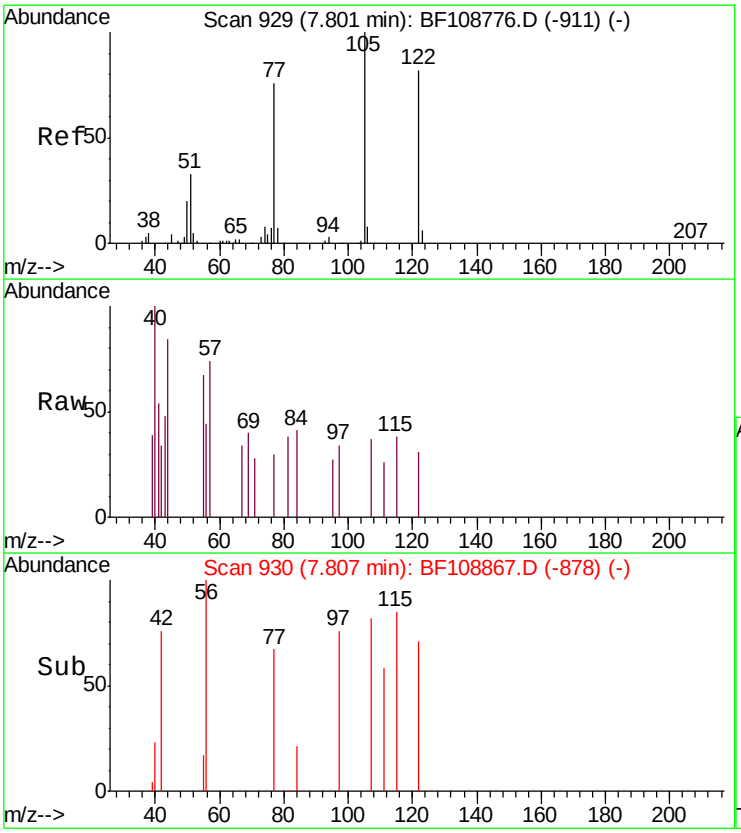

#25
Isophorone
Concen:  48.421 ng
RT: 7.30 min  Scan# 843
Delta R.T.  -0.26 min
Lab File:  BF108867.D
Acq:  7 Sep 2018  18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion: 82 Resp: 1238067

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

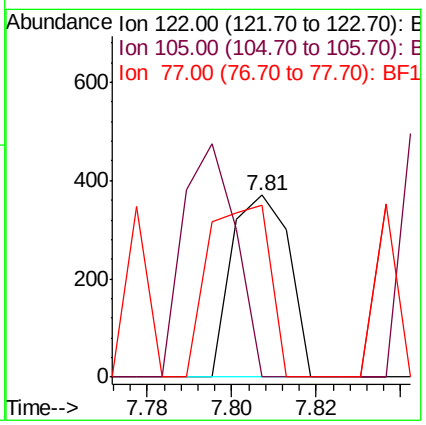


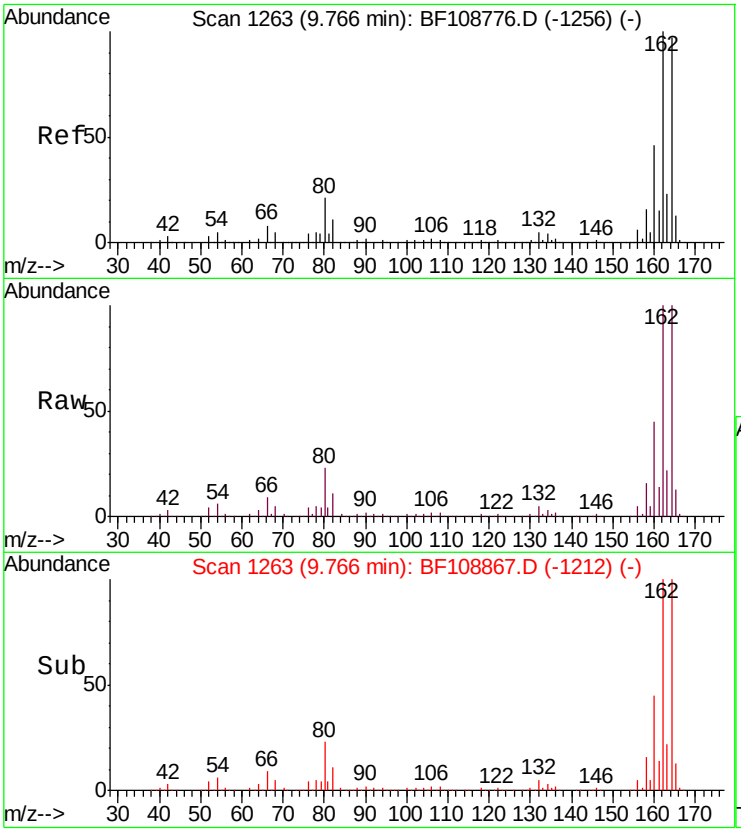




#32
Benzoic acid
Concen:  4.068 ng
RT: 7.81 min  Scan# 930
Delta R.T.  0.01 min
Lab File:  BF108867.D
Acq:  7 Sep 2018  18:13

Tgt Ion:122 Resp:  350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 94.3 | 70.7 | 110.7 |



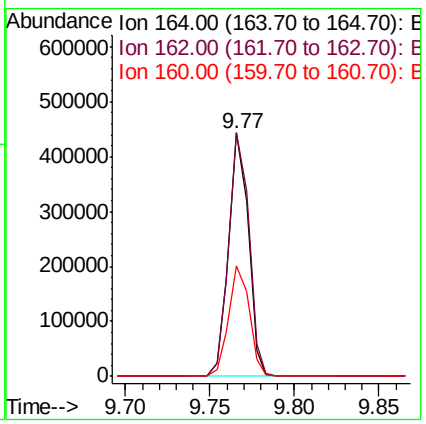


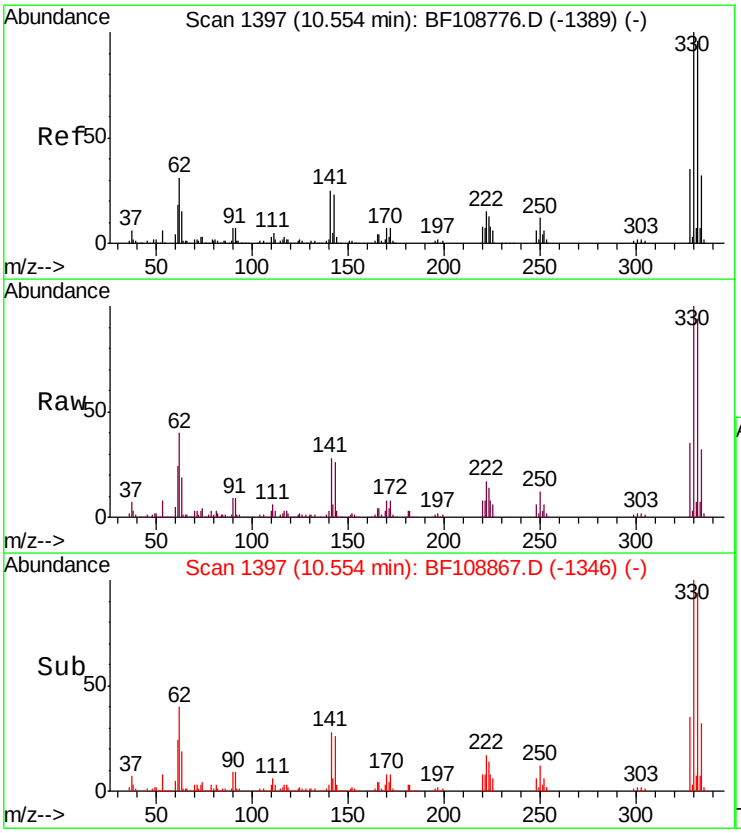

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:164 Resp: 358252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 86.1 | 129.1 |
| 160 | 45.3 | 38.3 | 57.5 |

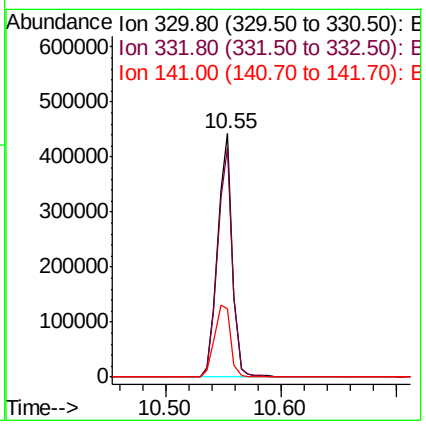


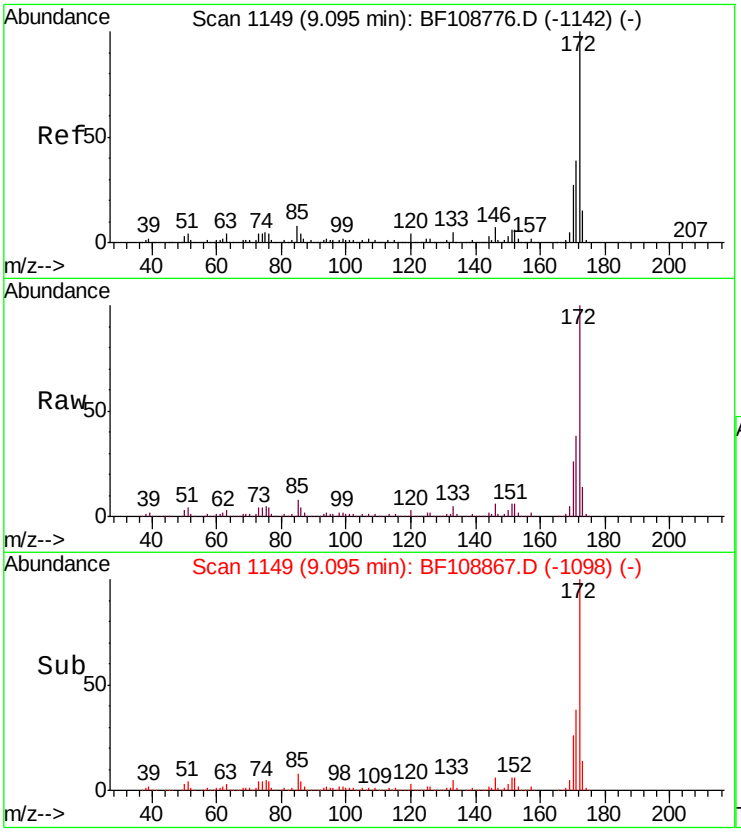




#41
2,4,6-Tribromophenol
Concen: 113.838 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:330 Resp: 389332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.0 | 115.6 |
| 141 | 32.9 | 29.9 | 44.9 |



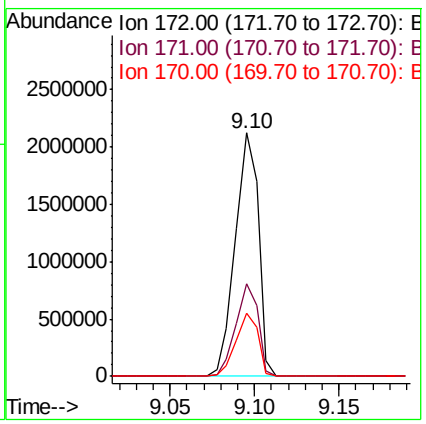


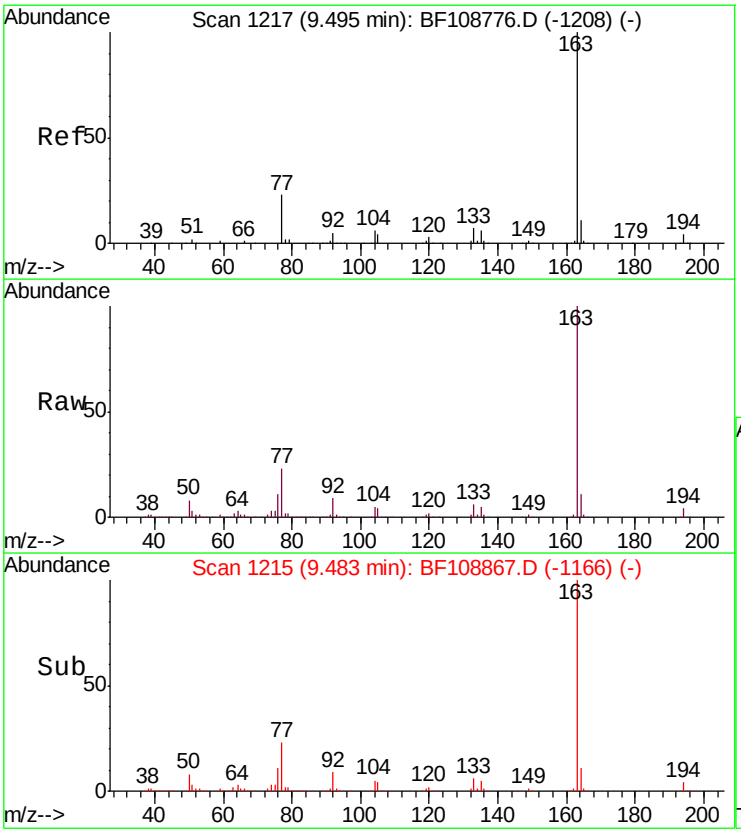

#44
2-Fluorobiphenyl
Concen: 96.678 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:172 Resp: 2030212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.2 | 29.7 | 44.5 |
| 170 | 26.0 | 19.6 | 29.4 |

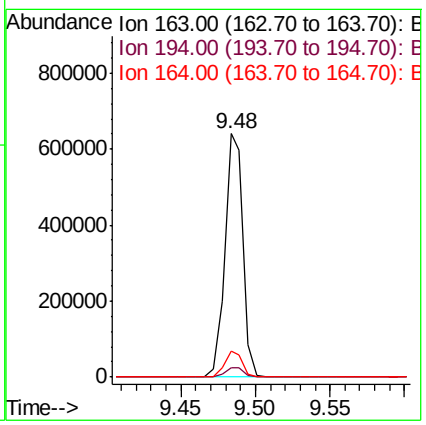


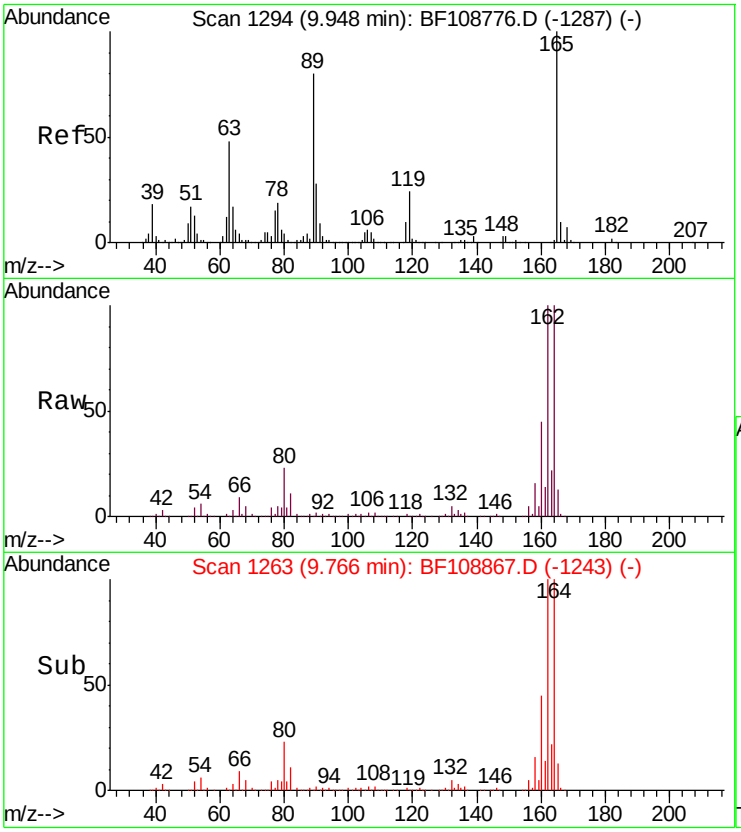




#49
Dimethylphthalate
Concen: 21.991 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:163 Resp: 551041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 2.7 | 4.1 |
| 164 | 10.7 | 8.2 | 12.2 |



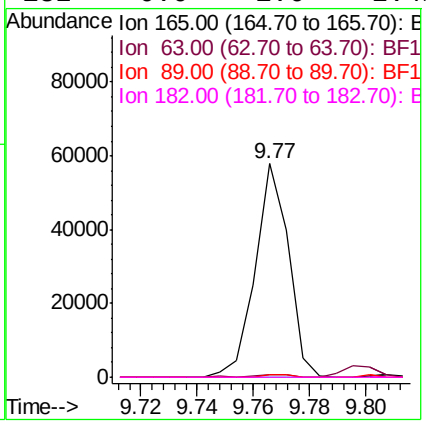


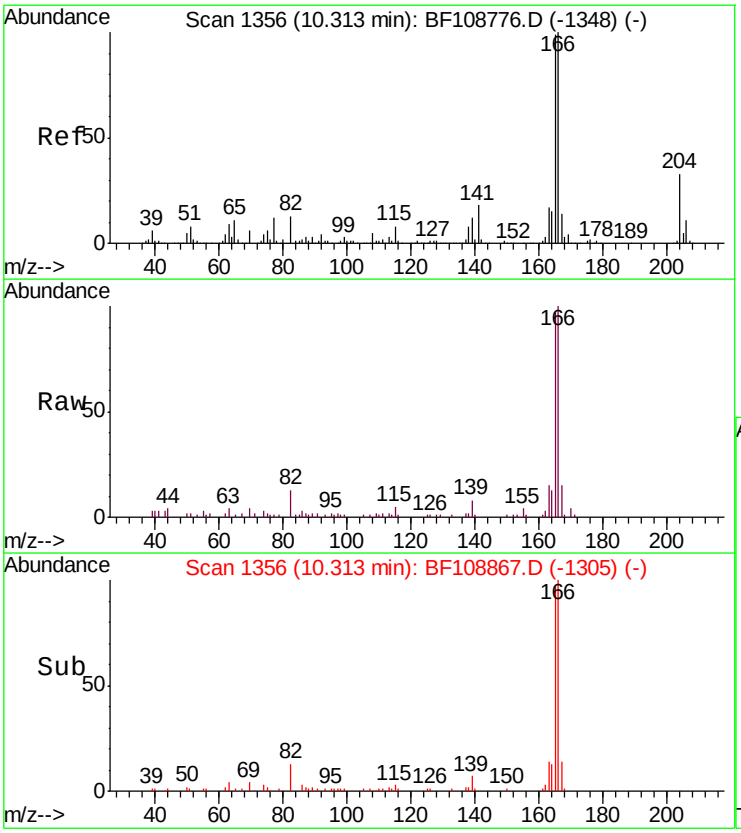

#56
2,4-Dinitrotoluene
Concen: 7.774 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:165 Resp: 47471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 1.2 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

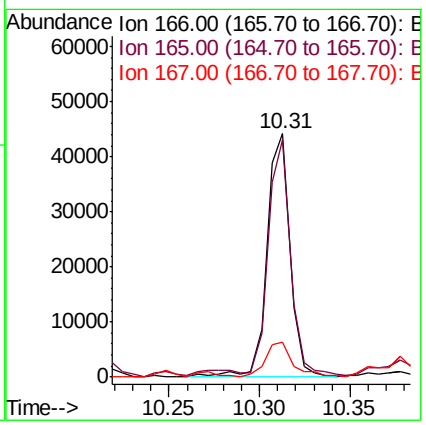


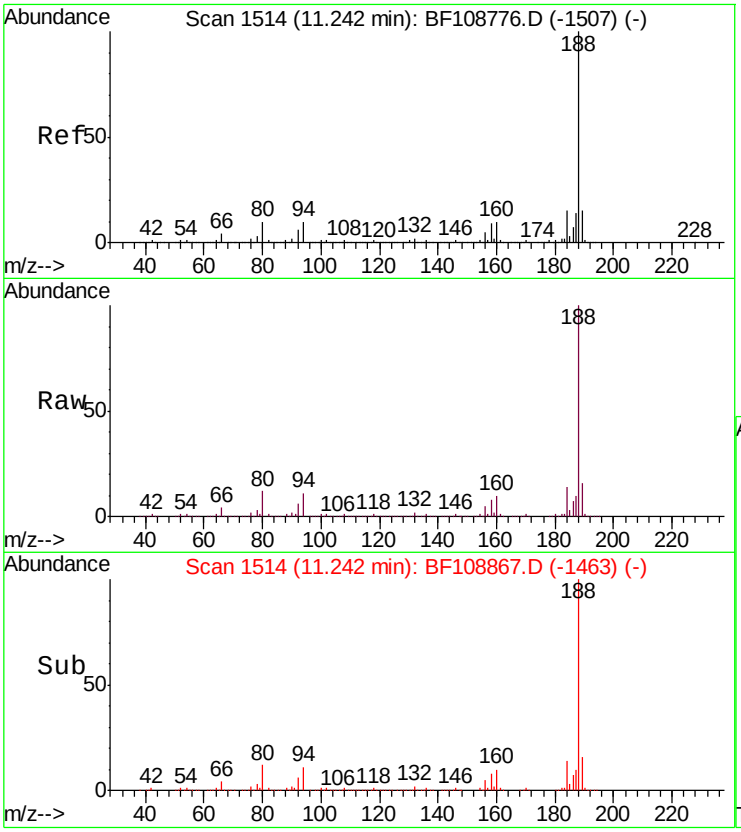




#57
Fluorene
Concen: 2.037 ng
RT: 10.31 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:166 Resp: 39197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 79.8 | 119.8 |
| 167 | 14.6 | 10.6 | 16.0 |



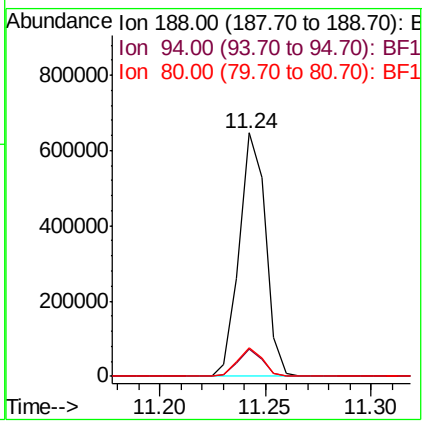


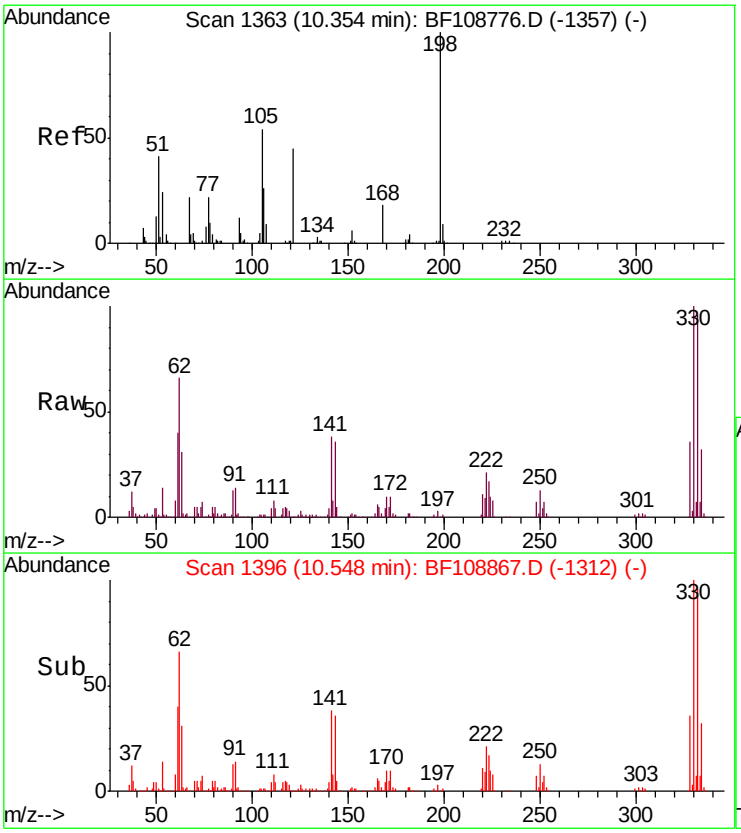

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:188 Resp: 557636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 8.5 | 12.7 |
| 80 | 11.6 | 9.2 | 13.8 |

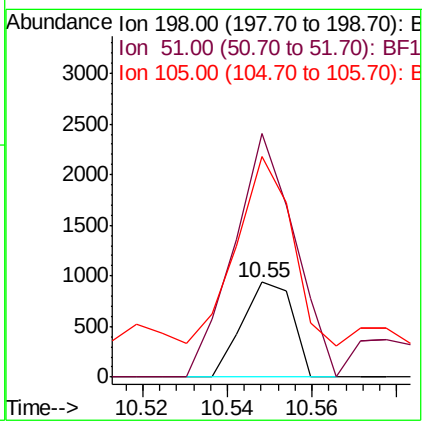


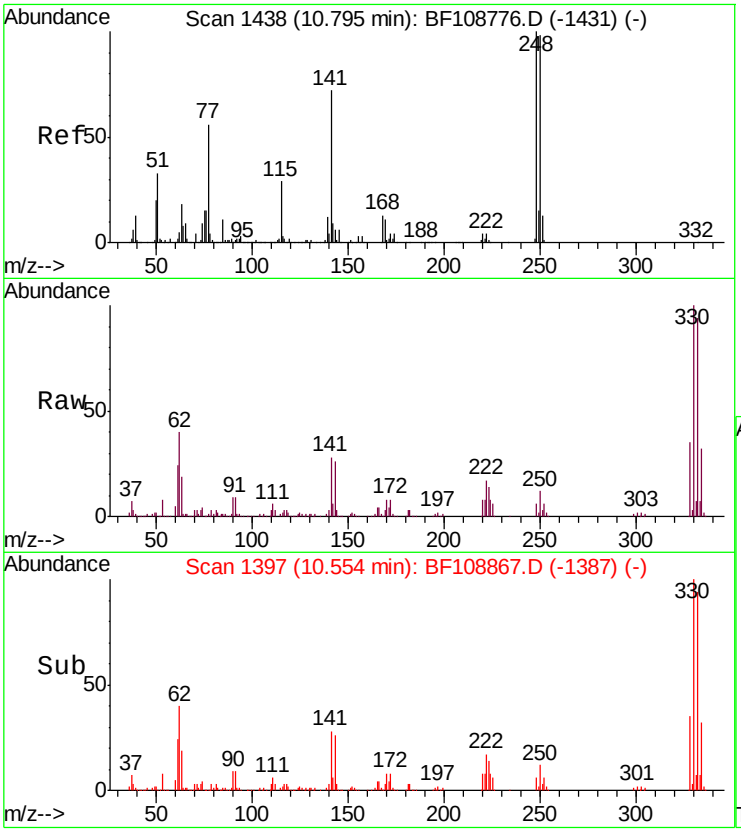




#64
4,6-Dinitro-2-methylphenol
Concen: 7.173 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:198 Resp: 779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 257.6 | 37.7 | 77.7# |
| 105 | 232.9 | 36.3 | 76.3# |



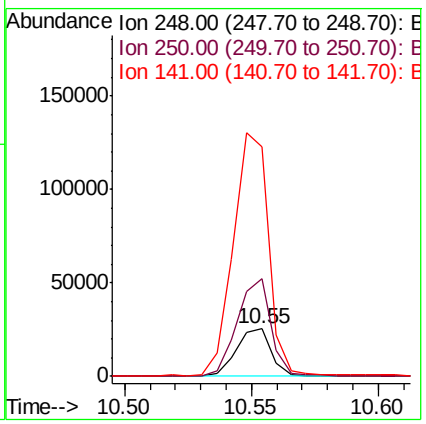


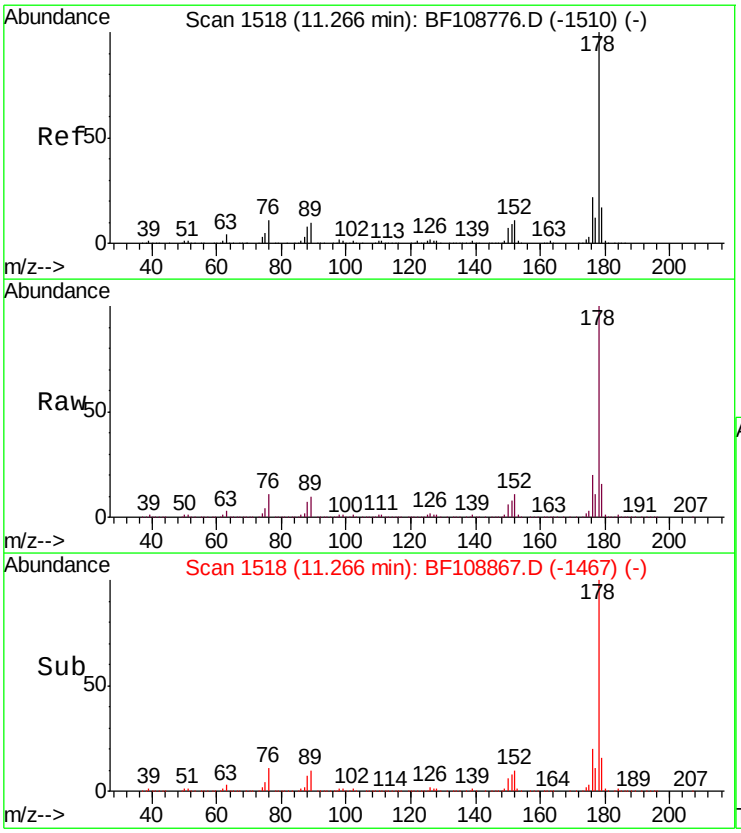

#66
4-Bromophenyl-phenylether
Concen: 3.803 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.24 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

**Instrument :**
BNA_F
**ClientSampleId :**
EP1-WS-COMP-18MS

Tgt Ion:248 Resp: 23952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 206.1 | 76.9 | 115.3# |
| 141 | 485.1 | 74.4 | 111.6# |




#70
Phenanthrene
Concen: 21.036 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108867.D
Acq: 7 Sep 2018 18:13

Tgt Ion:178 Resp: 560177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.8 | 23.8 |
| 179 | 16.0 | 13.0 | 19.6 |