Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111014.D
Acq On : 27 Nov 2018 17:19
Operator : JU/SJ
Sample : J6065-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 27 17:45:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 15:32:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 50557 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 181054 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.98 | 164 | 76438 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.48 | 188 | 140861 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 111298 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.67 | 264 | 72310 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 382223 | 125.37 | ng | | 0.01 |
| 7) Phenol-d6 | 6.57 | 99 | 453556 | 114.16 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 263860 | 83.41 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 89520 | 117.92 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.29 | 172 | 419407 | 79.49 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.06 | 244 | 416135 | 72.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.50 | 77 | 625 | Below Cal | | # | 1 |
| 10) Phenol | 6.58 | 94 | 24903 | 5.566 | ng | | 81 |
| 15) Benzyl Alcohol | 7.09 | 79 | 6394 | 2.094 | ng | # | 56 |
| 18) Hexachloroethane | 7.46 | 117 | 21687 | 14.444 | ng | # | 1 |
| 25) Isophorone | 7.50 | 82 | 263860 | 50.846 | ng | # | 68 |
| 50) Dimethylphthalate | 9.69 | 163 | 25376 | 4.527 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.98 | 165 | 9640 | 7.724 | ng | # | 21 |
| 57) 2,4-Dinitrotoluene | 9.98 | 165 | 9640 | 5.954 | ng | # | 17 |
| 67) 4-Bromophenyl-phenylether | 10.78 | 248 | 5612 | 3.658 | ng | # | 1 |
| 75) Fluoranthene | 12.70 | 202 | 16271 | 2.122 | ng | | 98 |
| 77) Benzidine | 13.06 | 184 | 5846 | 2.054 | ng | # | 95 |
| 78) Pyrene | 12.94 | 202 | 18438 | 2.268 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.23 | 252 | 13250 | 3.119 | ng | # | 84 |
| 89) Benzo(k)fluoranthene | 15.23 | 252 | 13250 | 3.030 | ng | # | 84 |

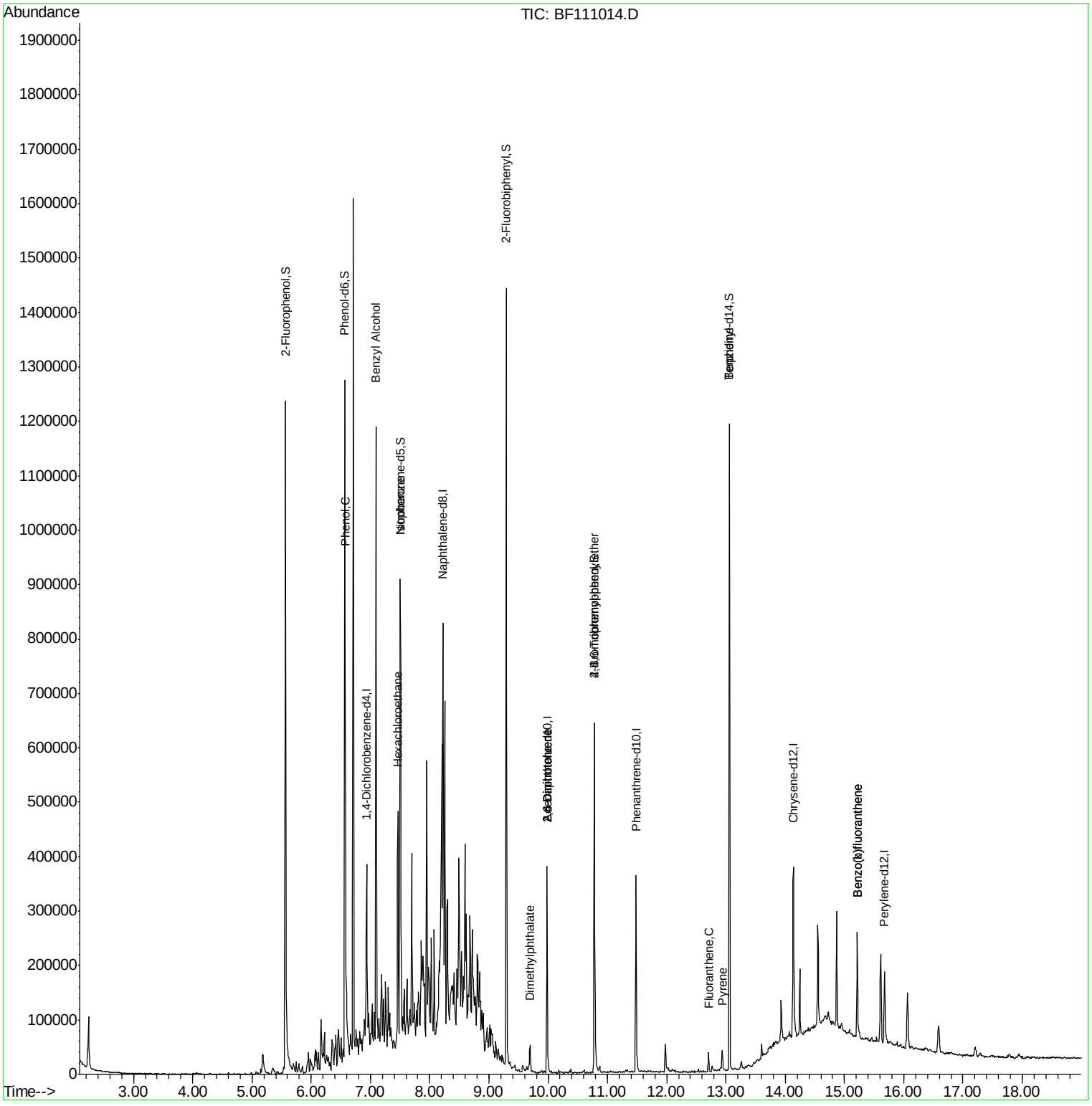
(#) = qualifier out of range (m) = manual integration (+) = signals summed

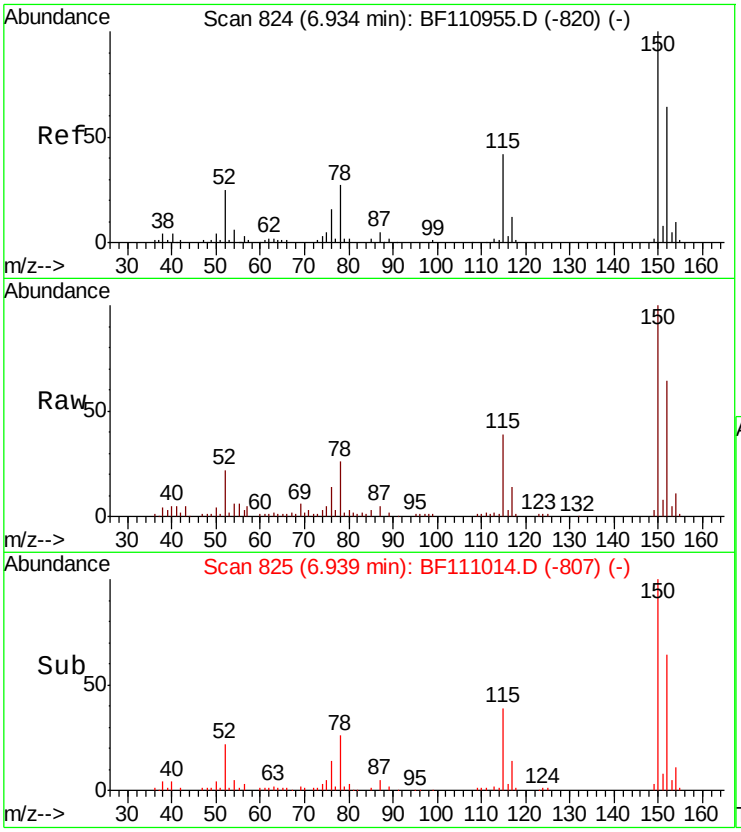
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111014.D
Acq On : 27 Nov 2018 17:19
Operator : JU/SJ
Sample : J6065-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 27 17:45:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 15:32:10 2018
Response via : Initial Calibration



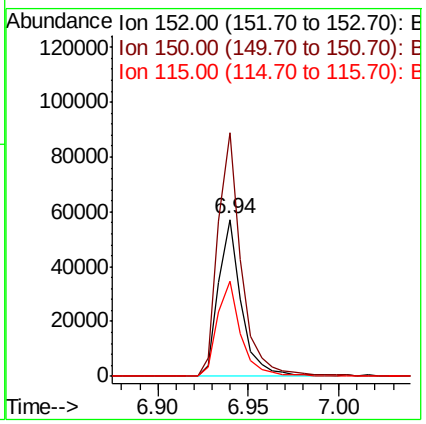


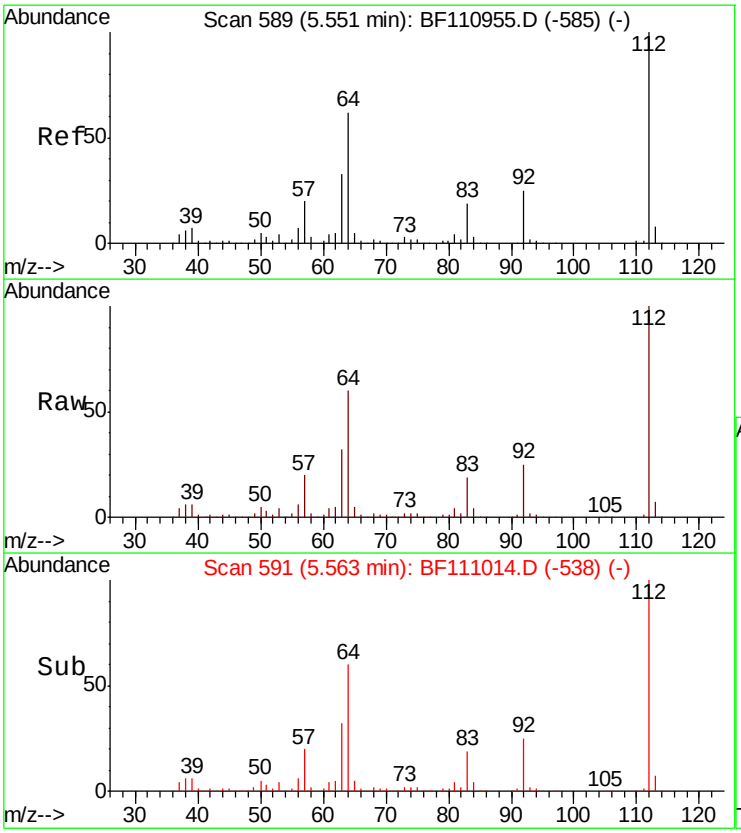

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:152 Resp: 50557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 122.7 | 184.1 |
| 115 | 60.3 | 49.1 | 73.7 |

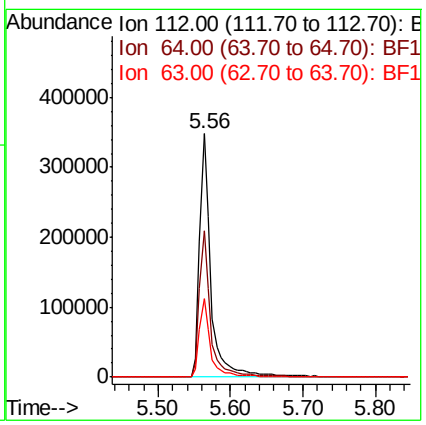


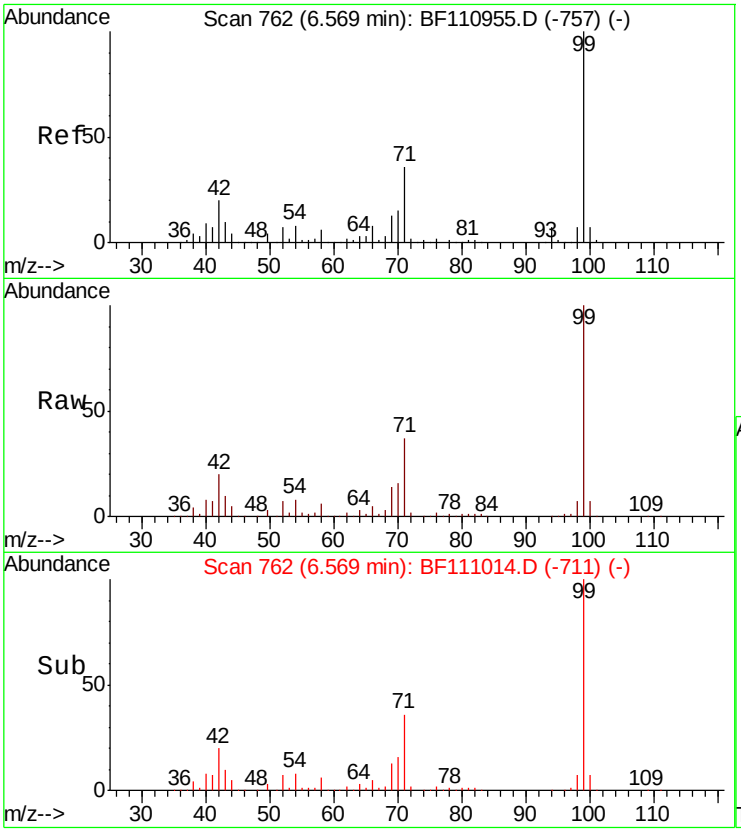




#5
2-Fluorophenol
Concen: 125.373 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:112 Resp: 382223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 44.1 | 66.1 |
| 63 | 32.4 | 23.7 | 35.5 |



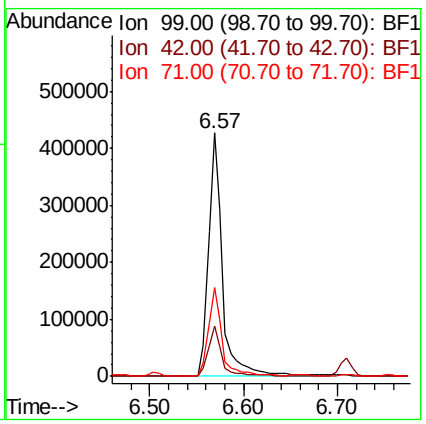


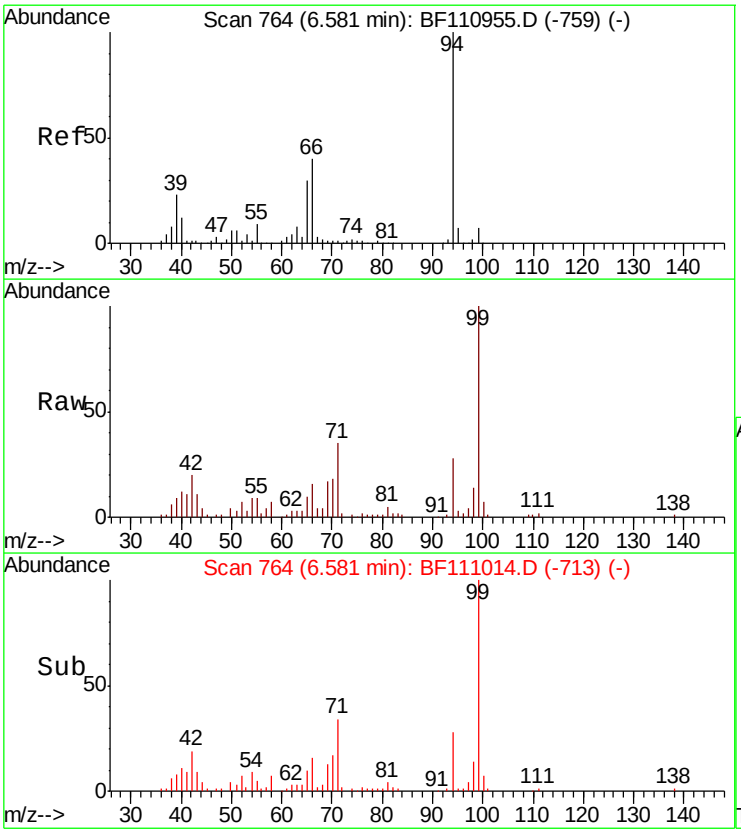

#7
Phenol-d6
Concen: 114.161 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion: 99 Resp: 453556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 15.8 | 23.6 |
| 71 | 36.6 | 28.0 | 42.0 |

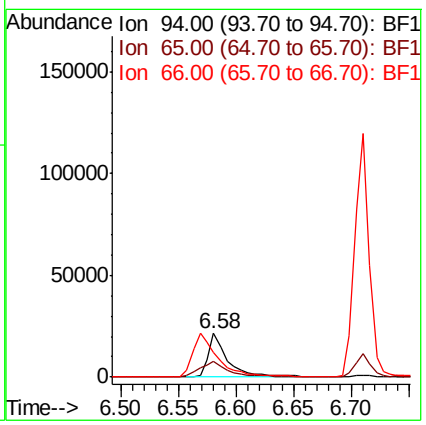


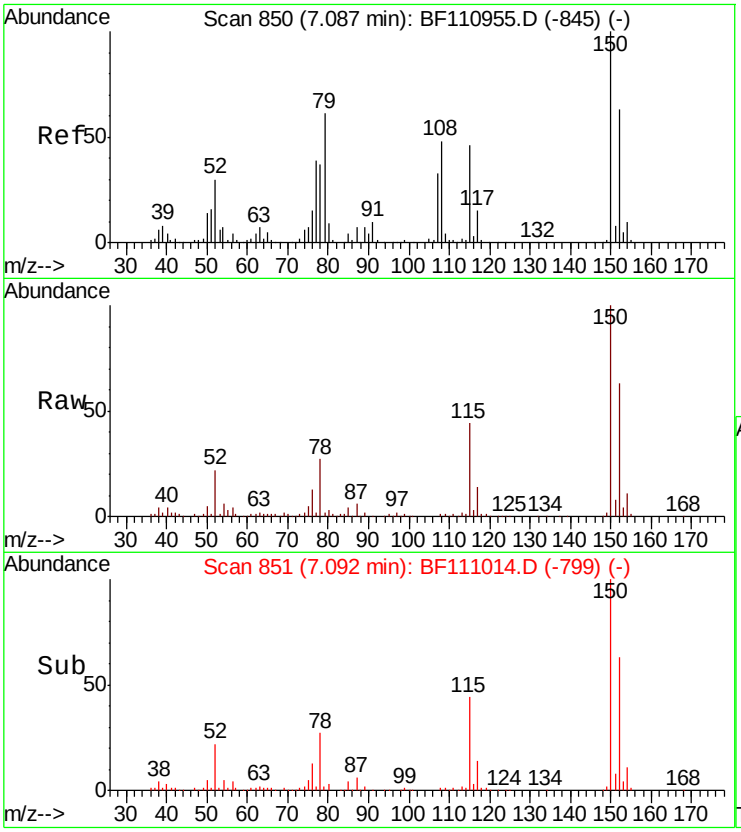




#10
Phenol
Concen: 5.566 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion: 94 Resp: 24903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.0 | 25.3 | 65.3 |
| 66 | 56.0 | 54.5 | 94.5 |



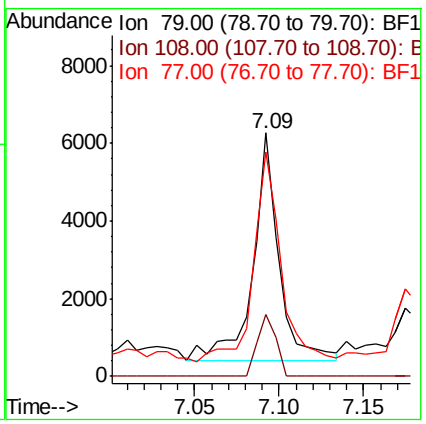


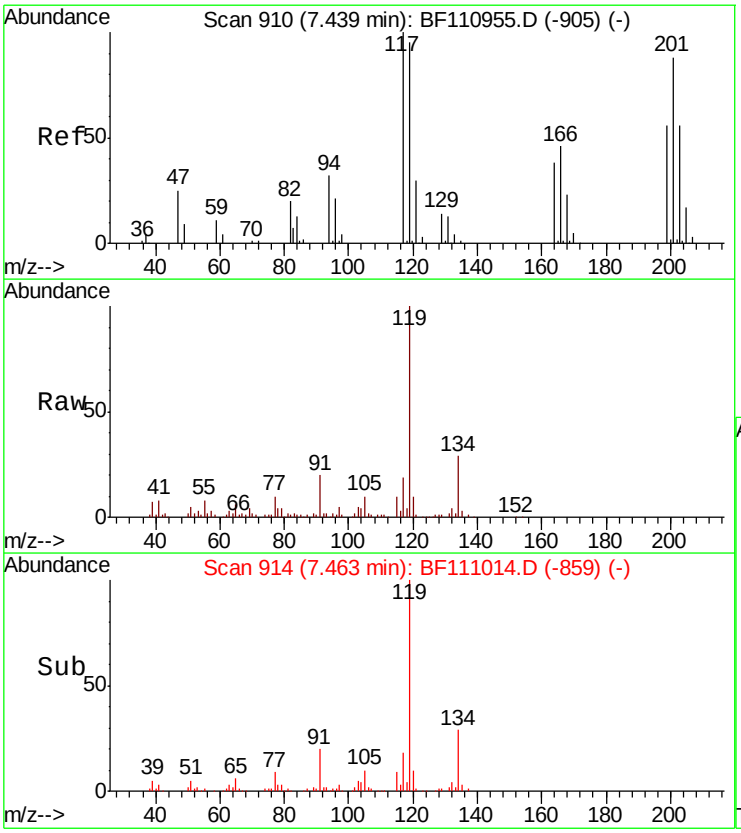

#15
Benzyl Alcohol
Concen: 2.094 ng
RT: 7.09 min Scan# 851
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion: 79 Resp: 6394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 25.4 | 56.3 | 84.5# |
| 77 | 92.3 | 52.9 | 79.3# |

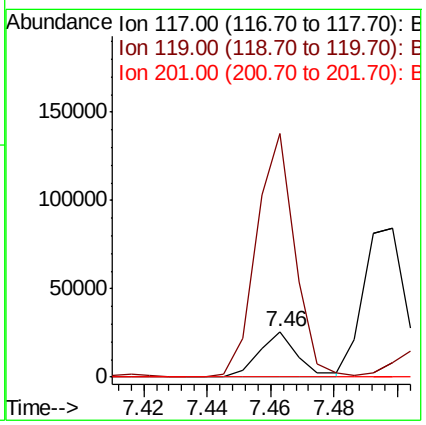


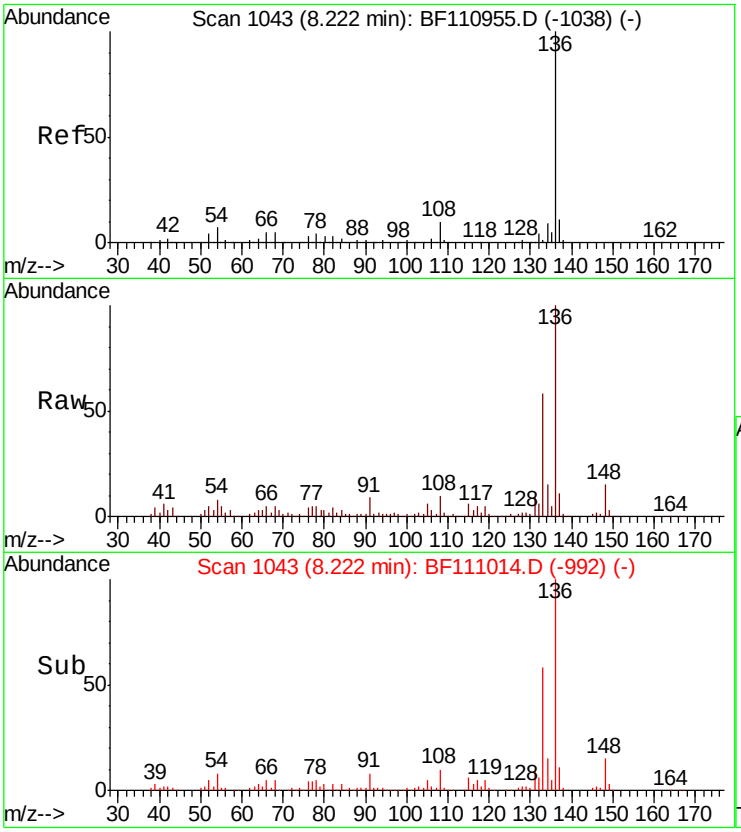




#18
Hexachloroethane
Concen: 14.444 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.02 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:117 Resp: 21687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 538.8 | 75.0 | 112.6# |
| 201 | 0.0 | 79.2 | 118.8# |



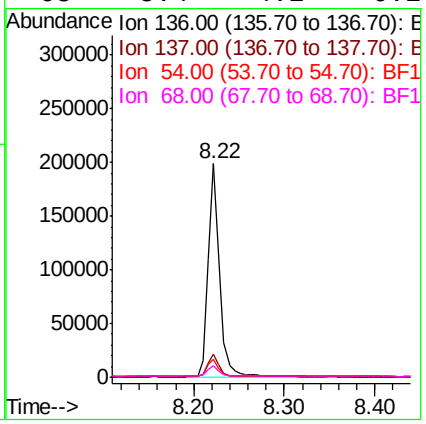


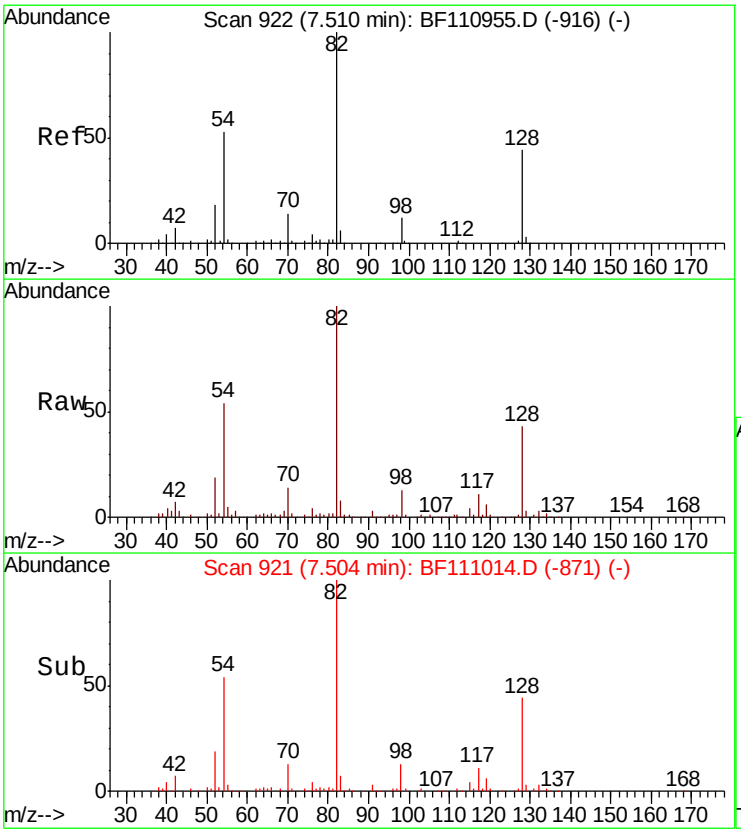

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:136 Resp: 181054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 8.4 | 5.4 | 8.2# |
| 68 | 5.4 | 4.2 | 6.2 |

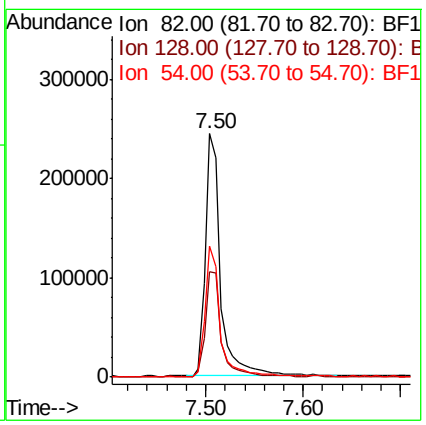


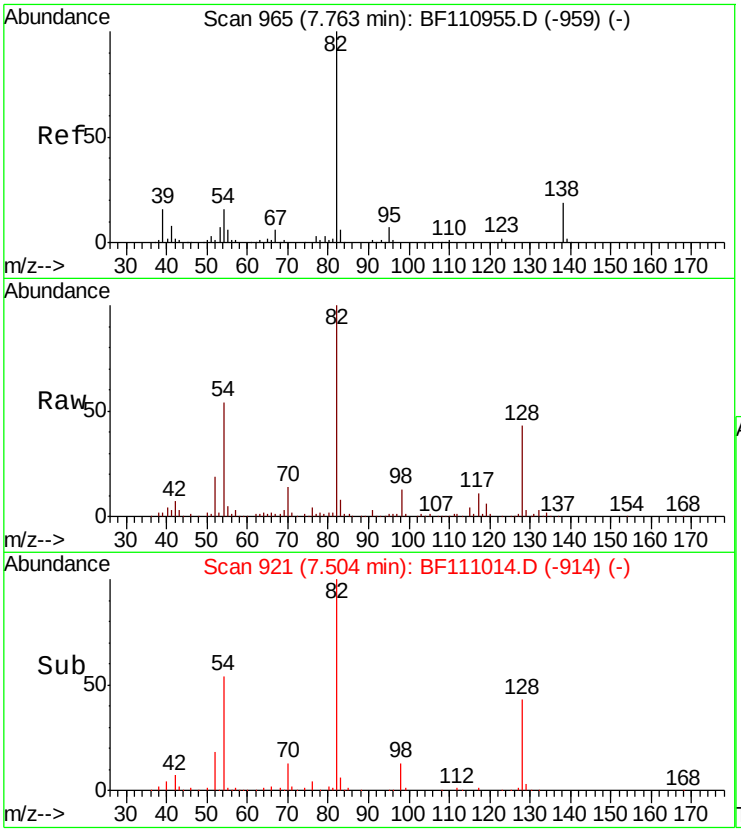




#23
Nitrobenzene-d5
Concen: 83.405 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion: 82 Resp: 263860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.5 | 34.2 | 51.2 |
| 54 | 53.8 | 38.6 | 58.0 |



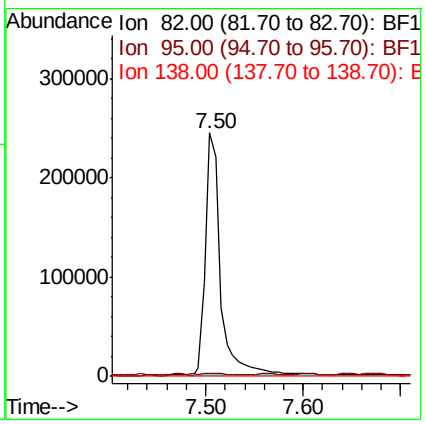


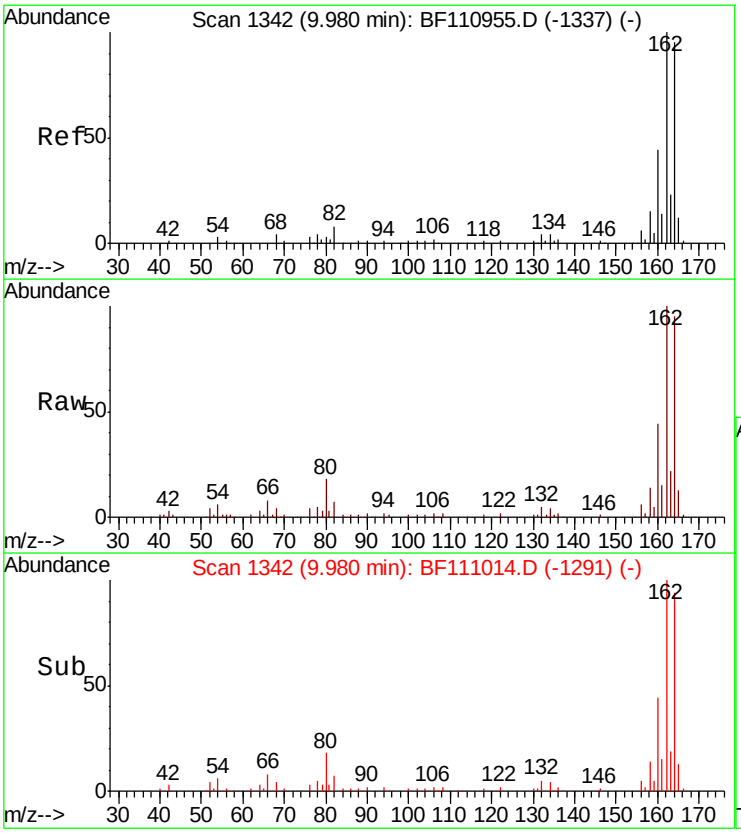

#25
Isophorone
Concen: 50.846 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion: 82 Resp: 263860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 1.0 | 5.7 | 8.5# |
| 138 | 0.0 | 13.2 | 19.8# |

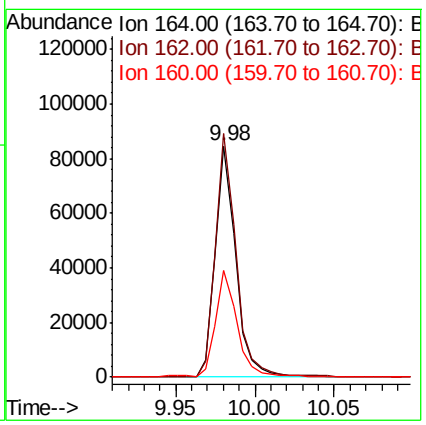


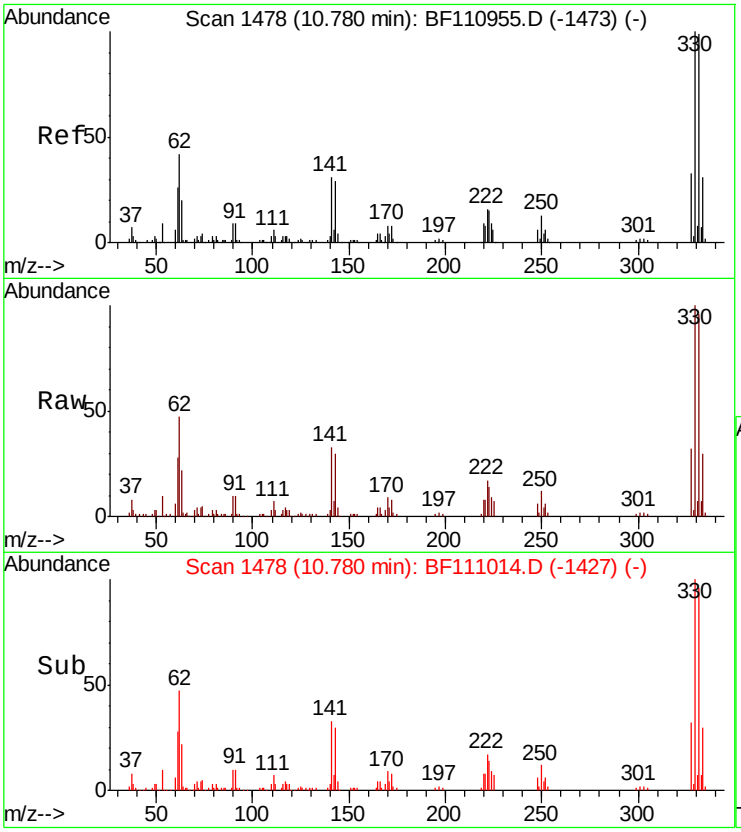




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:164 Resp: 76438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.4 | 83.0 | 124.6 |
| 160 | 46.3 | 37.0 | 55.6 |



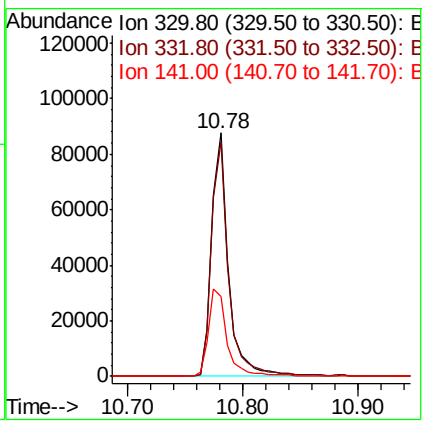


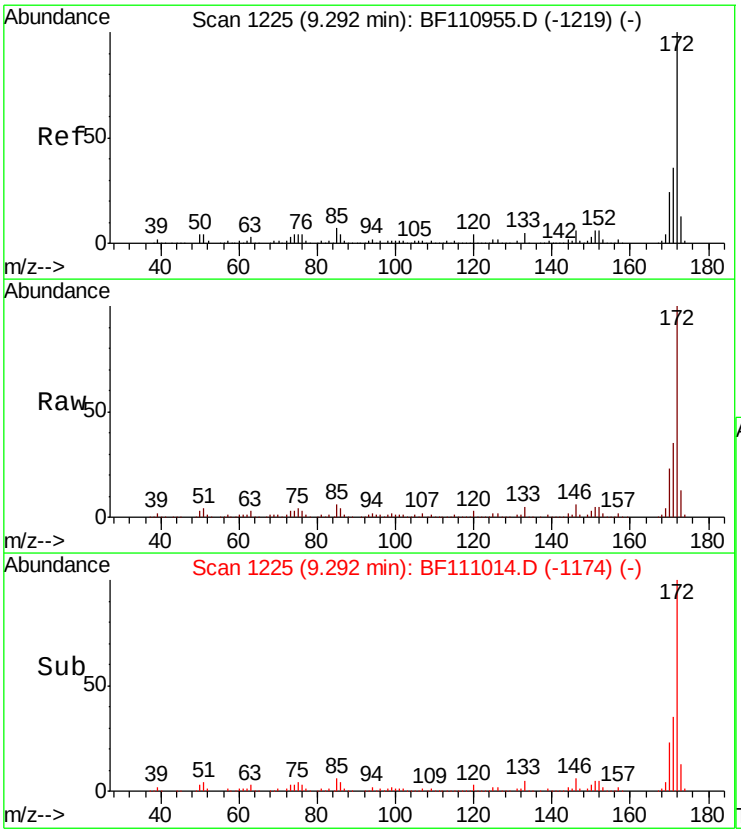

#42
2,4,6-Tribromophenol
Concen: 117.924 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:330 Resp: 89520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.1 | 115.7 |
| 141 | 39.1 | 27.0 | 40.4 |

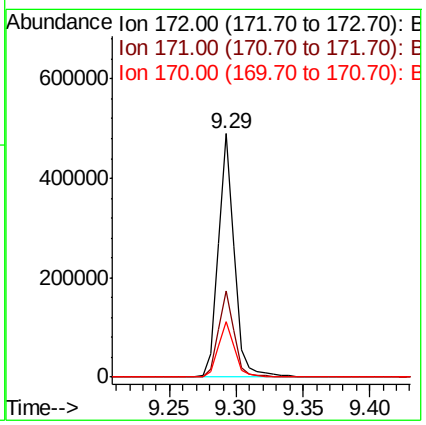


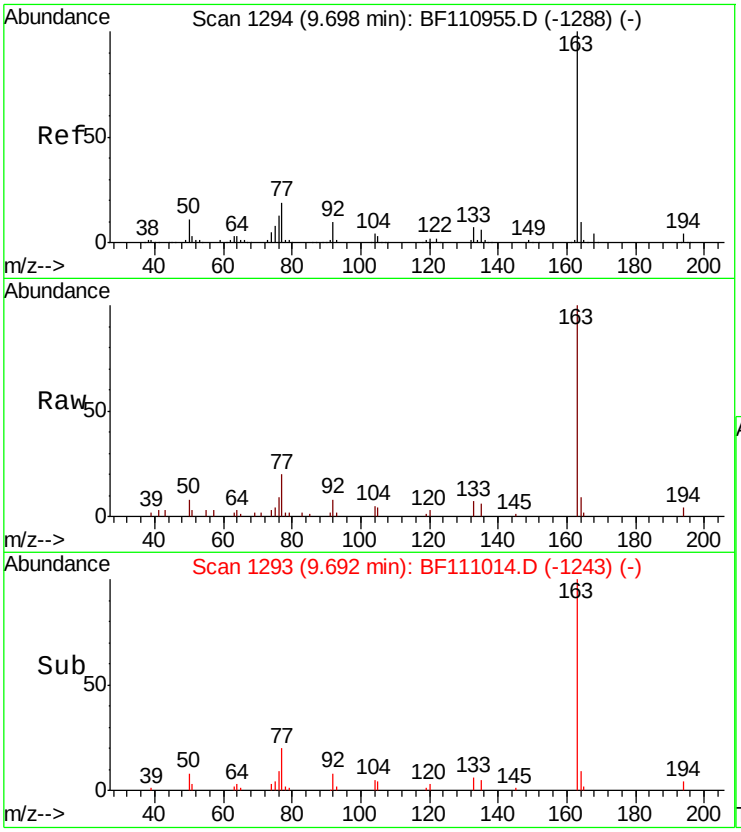




#45
2-Fluorobiphenyl
Concen: 79.493 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:172 Resp: 419407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.6 | 43.0 |
| 170 | 23.0 | 19.7 | 29.5 |



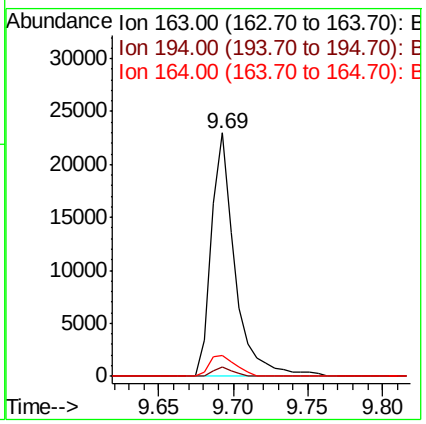


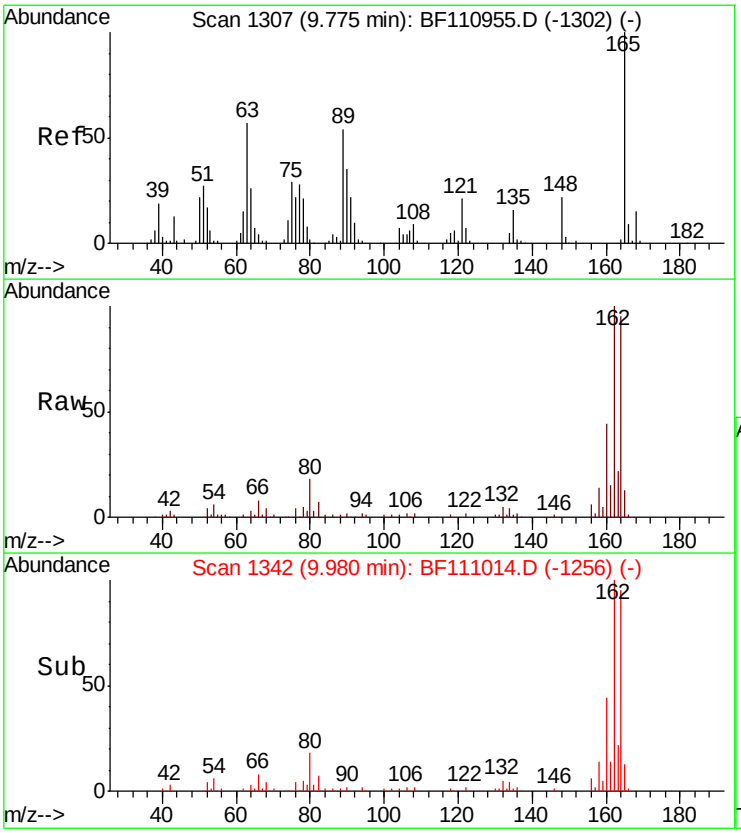

#50
Dimethylphthalate
Concen: 4.527 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:163 Resp: 25376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.2 | 4.8 |
| 164 | 8.8 | 8.1 | 12.1 |

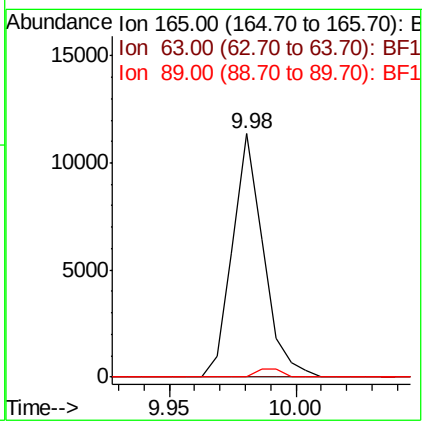


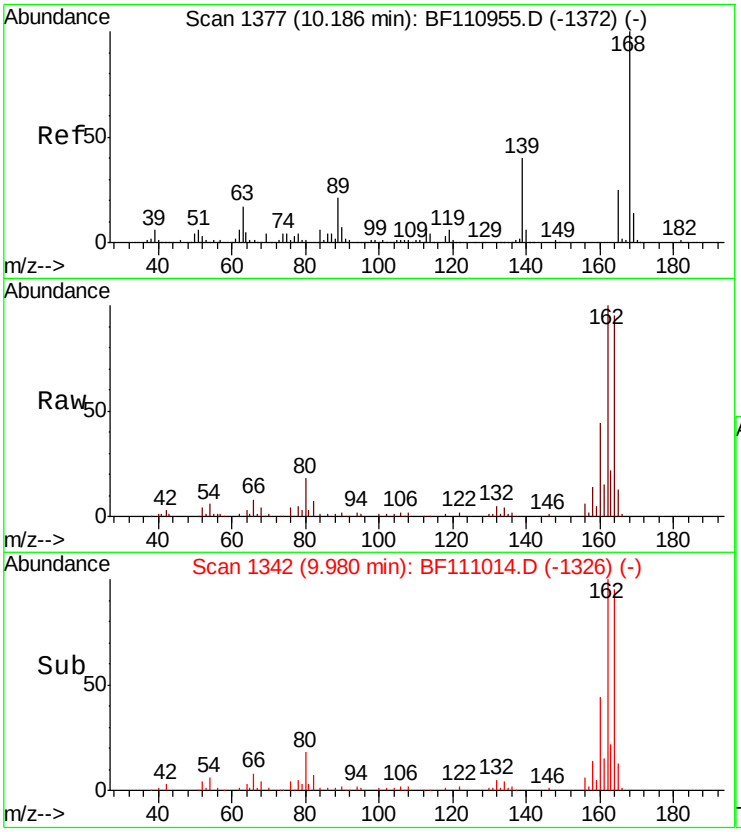




#51
2,6-Dinitrotoluene
Concen: 7.724 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:165 Resp: 9640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 48.9 | 73.3# |
| 89 | 0.0 | 46.6 | 69.8# |



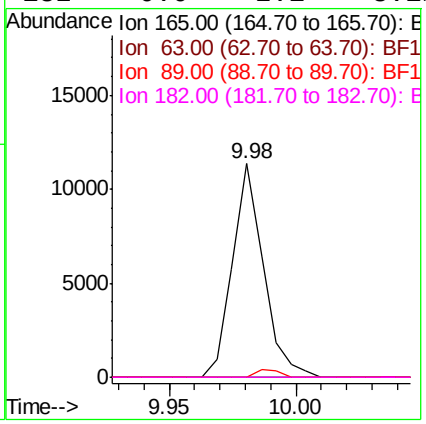


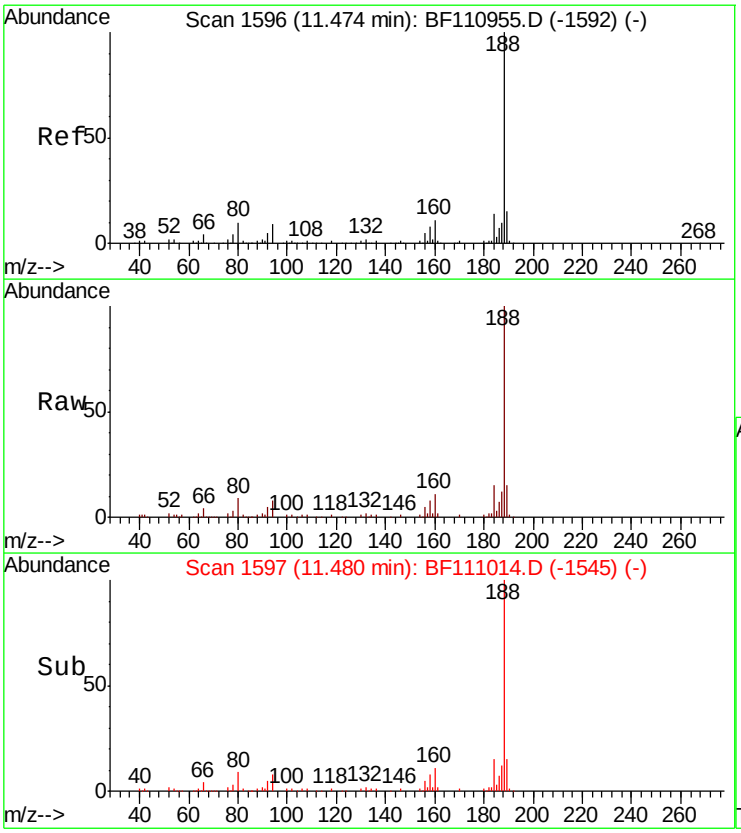

#57
2,4-Dinitrotoluene
Concen: 5.954 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:165 Resp: 9640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.8 | 67.2# |
| 89 | 0.0 | 62.2 | 93.4# |
| 182 | 0.0 | 2.1 | 3.1# |

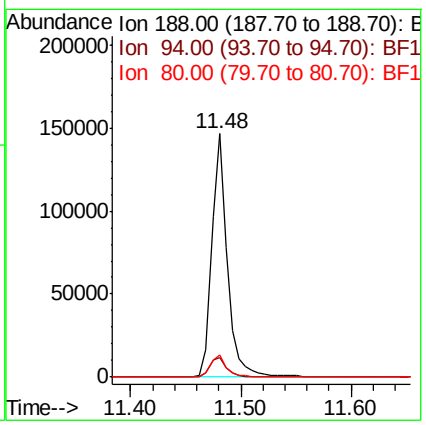


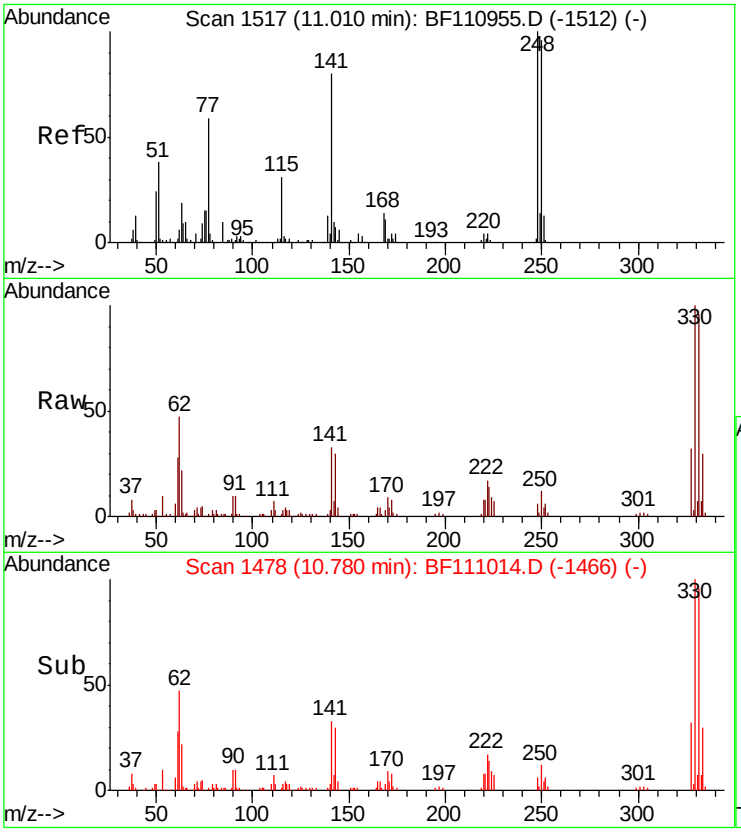




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:188 Resp: 140861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.9 | 7.2 | 10.8 |
| 80 | 9.2 | 7.9 | 11.9 |



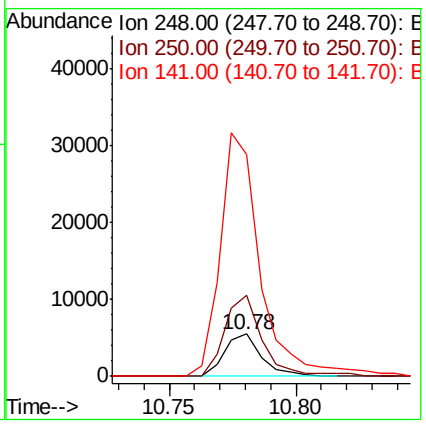


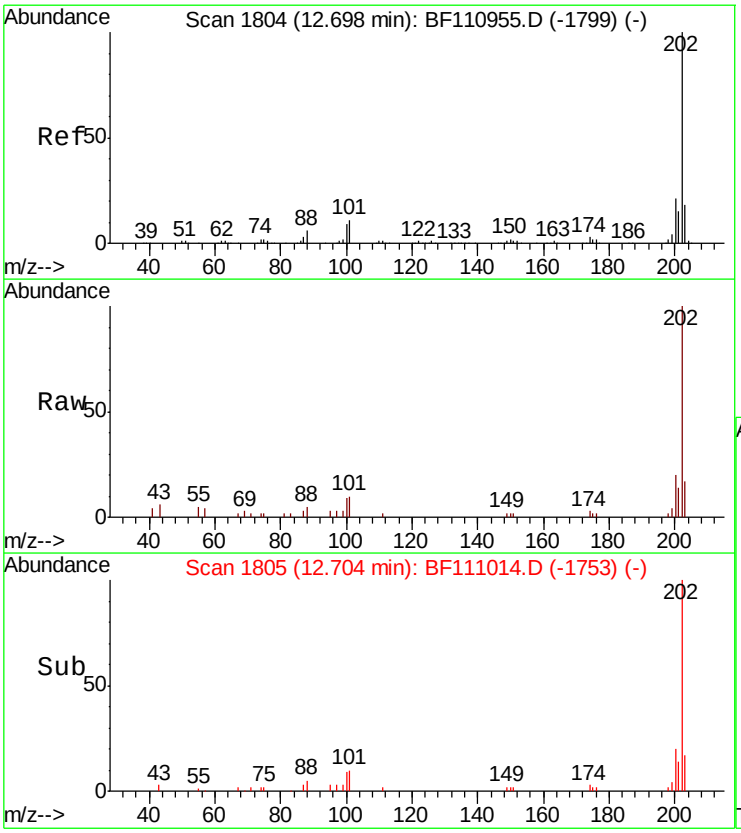

#67
4-Bromophenyl-phenylether
Concen: 3.658 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.23 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:248 Resp: 5612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.8 | 79.4 | 119.2# |
| 141 | 527.4 | 55.9 | 83.9# |

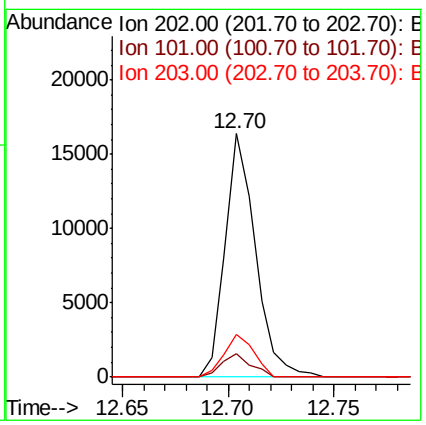


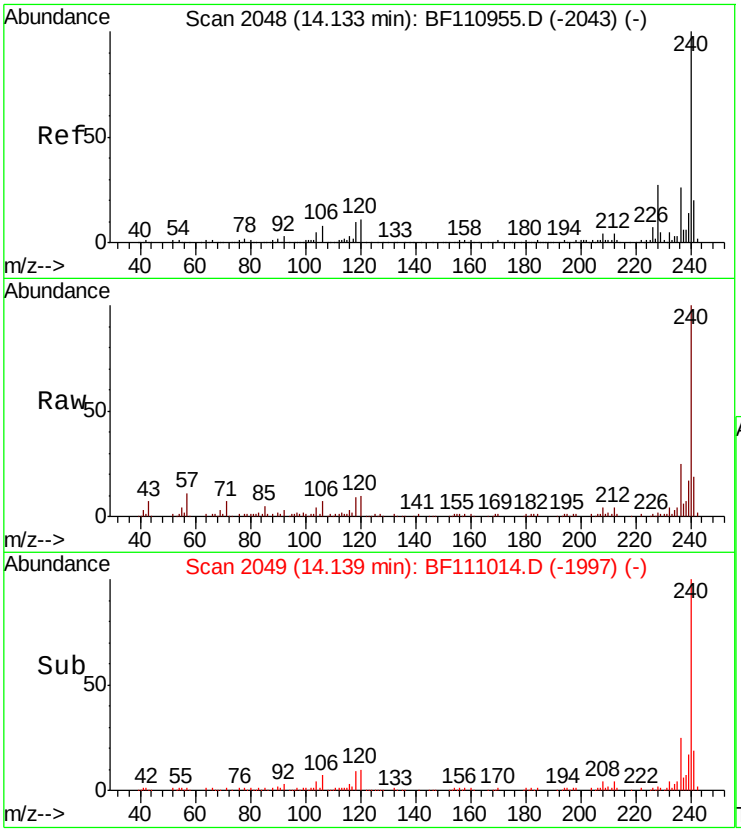




#75
Fluoranthene
Concen: 2.122 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:202 Resp: 16271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 31.4 |
| 203 | 17.3 | 0.0 | 37.7 |



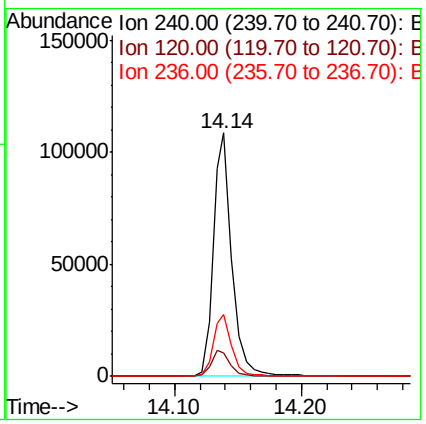


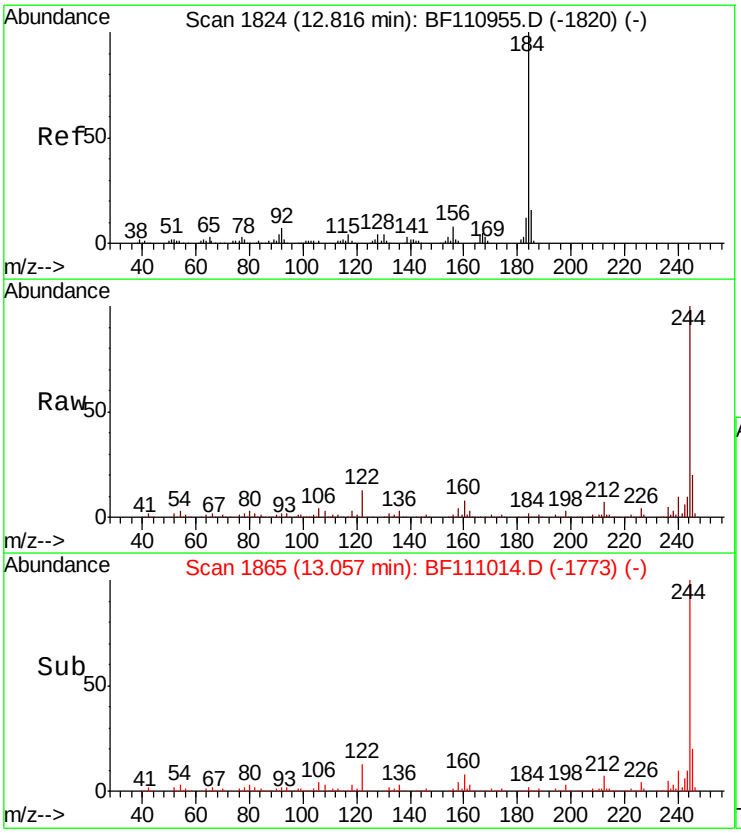

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:240 Resp: 111298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.3 | 12.5 |
| 236 | 25.3 | 21.2 | 31.8 |

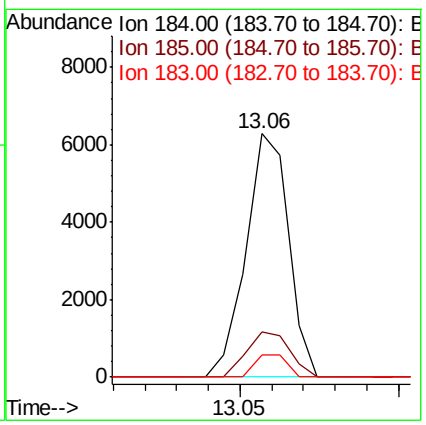


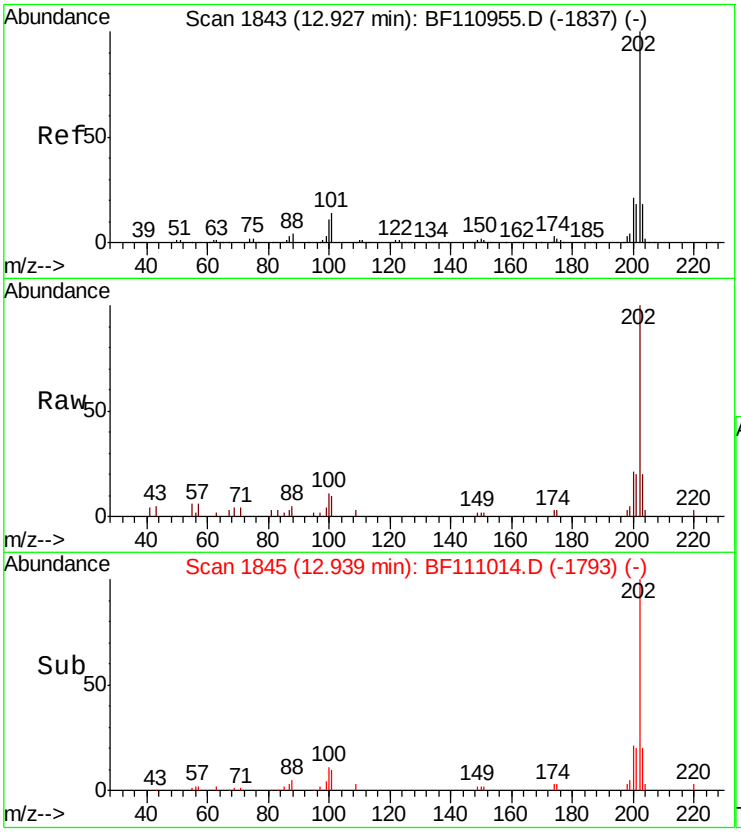




#77
Benzidine
Concen: 2.054 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.24 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:184 Resp: 5846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.7 | 13.4 | 20.2 |
| 183 | 9.2 | 9.4 | 14.2# |



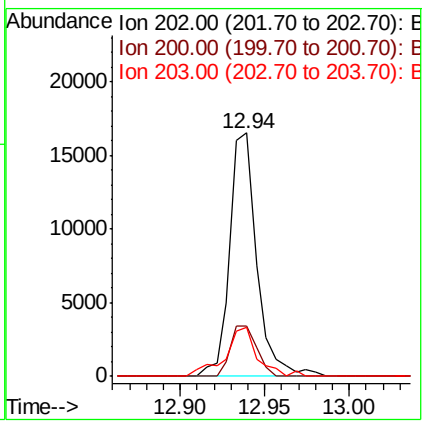


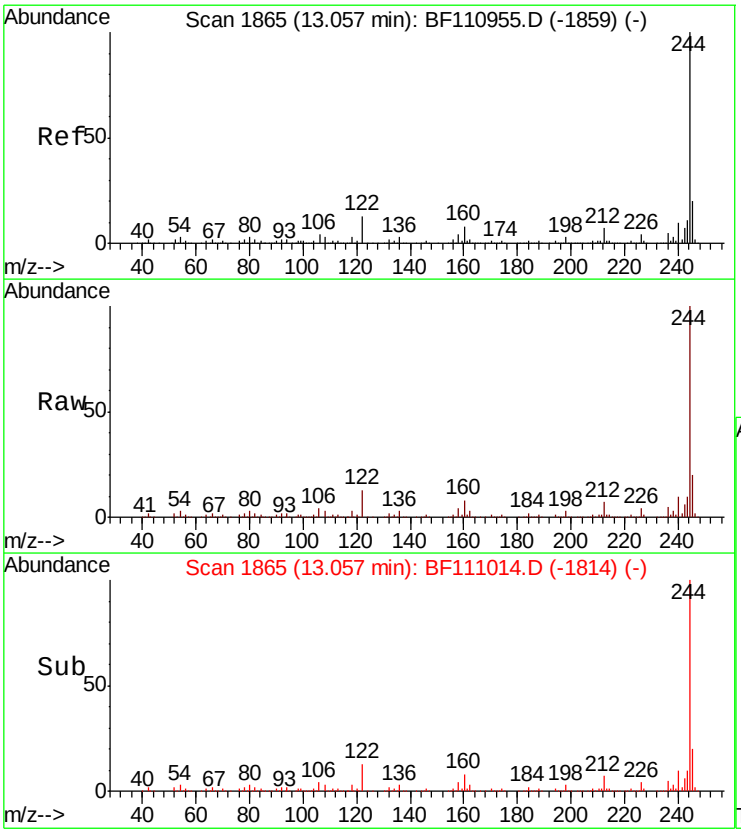

#78
Pyrene
Concen: 2.268 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:202 Resp: 18438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.8 | 26.6 |
| 203 | 20.2 | 14.2 | 21.4 |

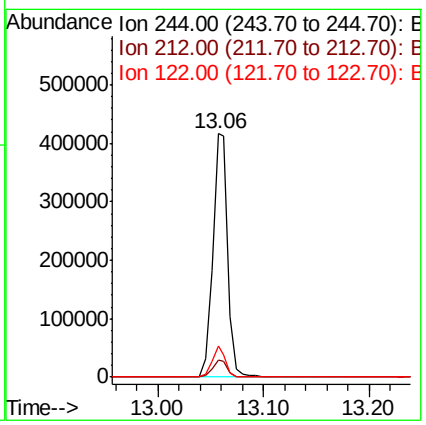


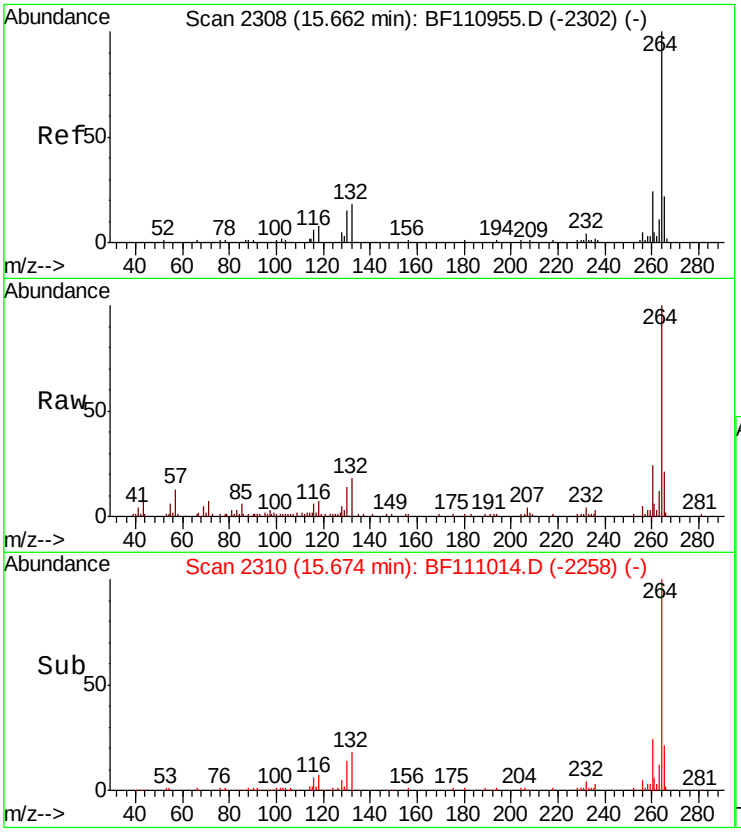




#79
Terphenyl-d14
Concen: 72.783 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:244 Resp: 416135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.8 | 8.8 |
| 122 | 12.6 | 8.7 | 13.1 |



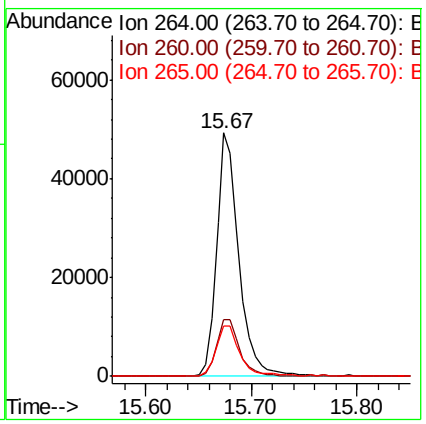


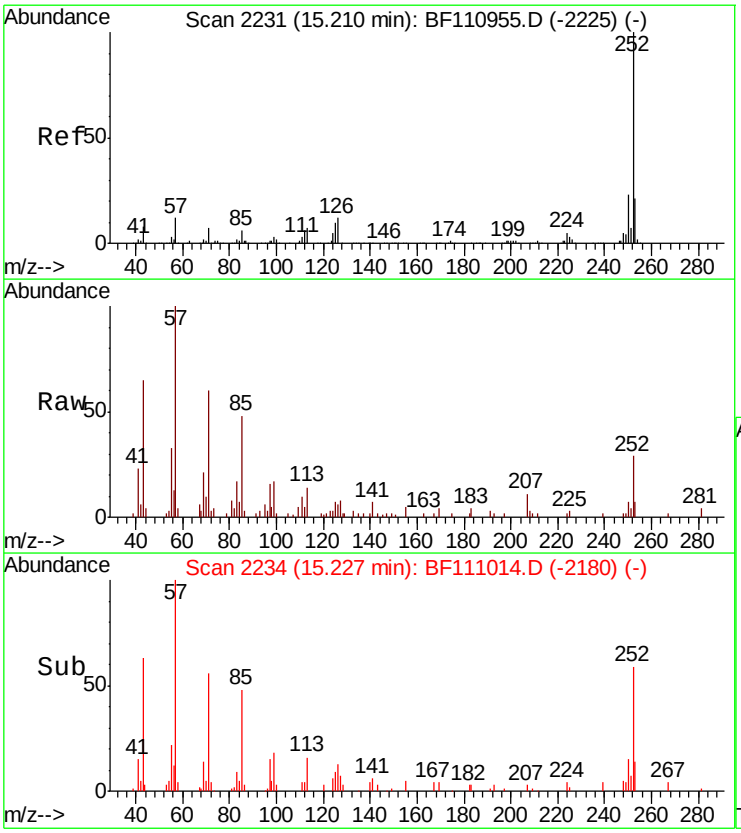

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:264 Resp: 72310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.7 | 28.1 |
| 265 | 20.7 | 16.7 | 25.1 |

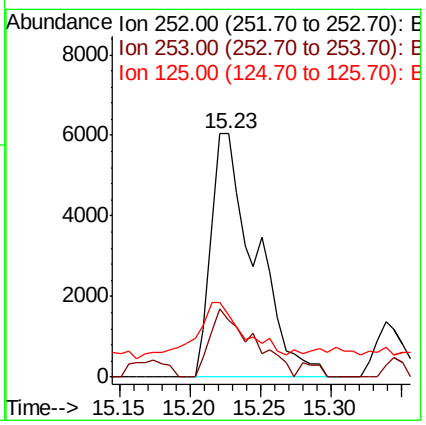


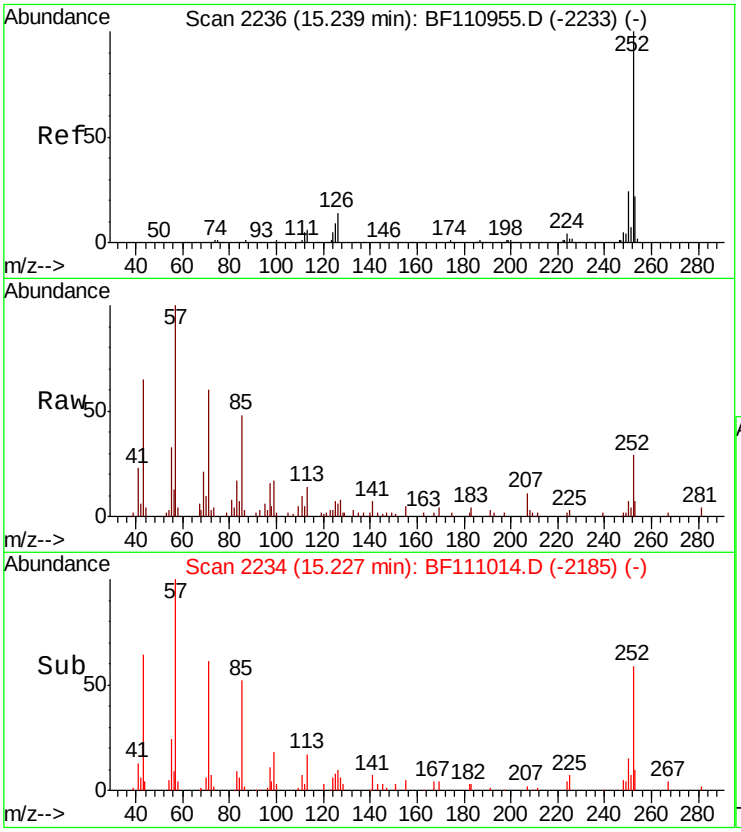




#88
Benzo(b)fluoranthene
Concen: 3.119 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.02 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:252 Resp: 13250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.2 | 25.8 |
| 125 | 25.5 | 8.2 | 12.4# |






#89
Benzo(k)fluoranthene
Concen: 3.030 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

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

Tgt Ion:252 Resp: 13250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.2 | 25.8 |
| 125 | 25.5 | 7.4 | 11.0# |