Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
Data File : BF112297.D
Acq On : 29 Jan 2019 16:11
Operator : JU/SJ
Sample : K1010-09 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OK-03-012819-B

Quant Time: Jan 30 00:08:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 172633 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 639832 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 265412 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 425251 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 414281 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 403201 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 217460 | 26.76 | ng | | -0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 271240 | 24.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 161033 | 14.50 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 56798 | 18.39 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 329579 | 17.56 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.94 | 244 | 262631 | 11.94 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 22479 | 2.887 | ng | # | 73 |
| 25) Isophorone | 7.40 | 82 | 161031 | 9.244 | ng | # | 64 |
| 51) 2,6-Dinitrotoluene | 9.87 | 165 | 35536 | 7.695 | ng | # | 34 |
| 57) 2,4-Dinitrotoluene | 9.87 | 165 | 35536 | 6.044 | ng | # | 32 |
| 71) Phenanthrene | 11.39 | 178 | 81440 | 3.684 | ng | | 96 |
| 75) Fluoranthene | 12.57 | 202 | 93371 | 3.938 | ng | | 97 |
| 78) Pyrene | 12.80 | 202 | 74658 | 2.603 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 62715 | 2.601 | ng | # | 65 |
| 89) Benzo(k)fluoranthene | 15.04 | 252 | 62715 | 2.715 | ng | # | 66 |

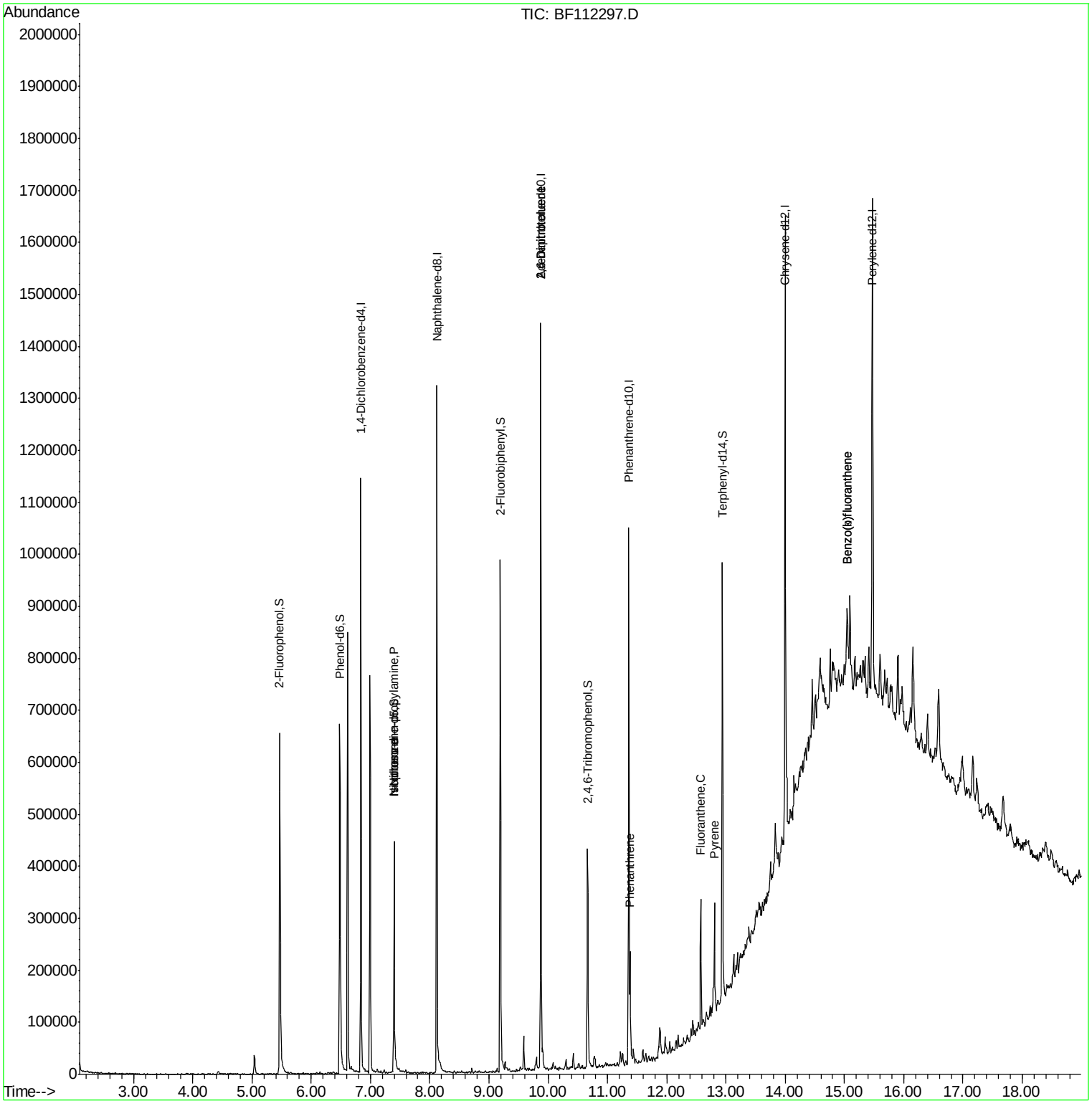
(#) = qualifier out of range (m) = manual integration (+) = signals summed

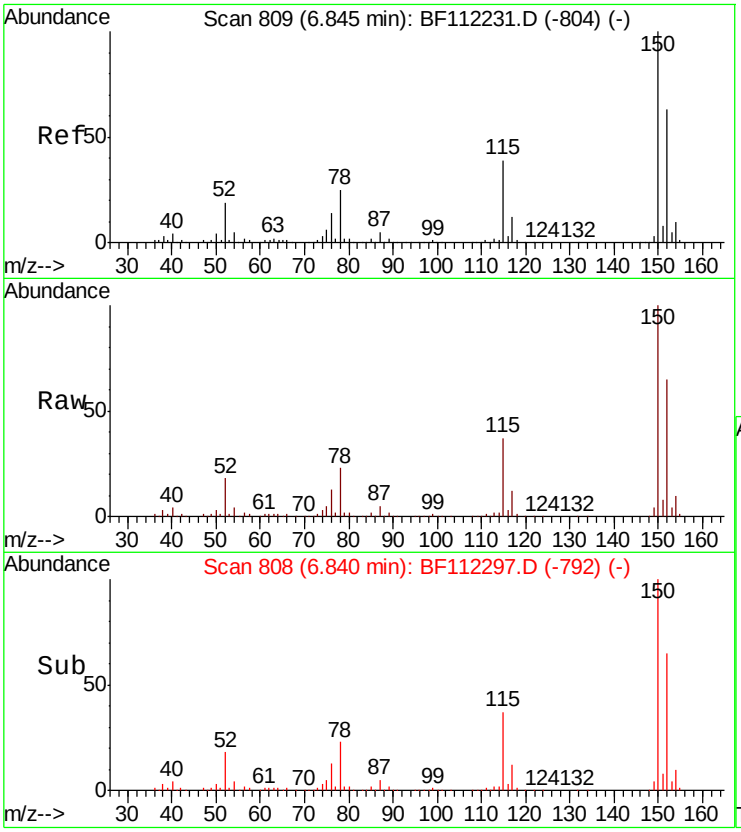
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
Data File : BF112297.D
Acq On : 29 Jan 2019 16:11
Operator : JU/SJ
Sample : K1010-09 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Quant Time: Jan 30 00:08:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration



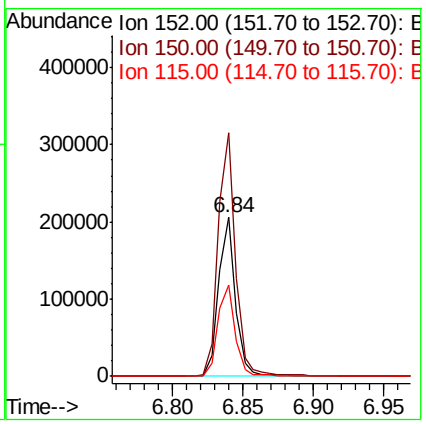


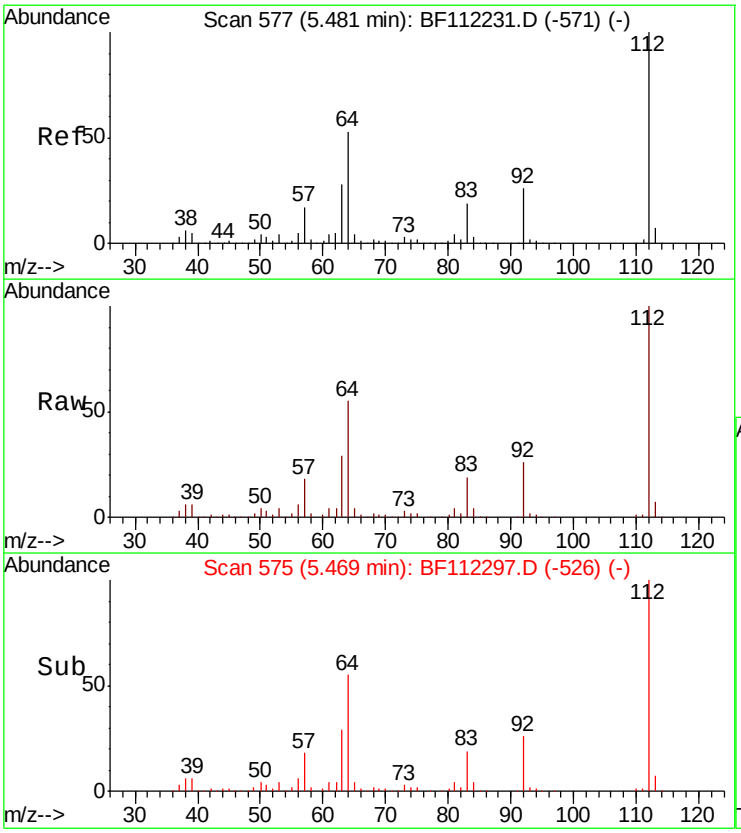

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:152 Resp: 172633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.1 | 127.4 | 191.0 |
| 115 | 57.2 | 45.5 | 68.3 |

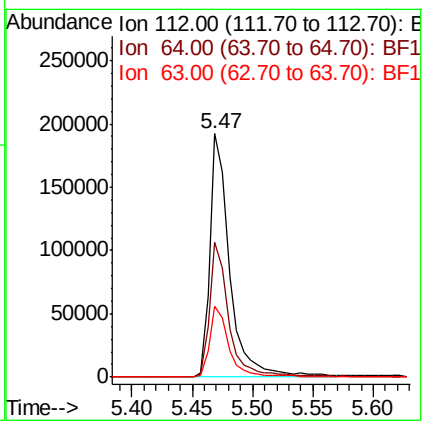


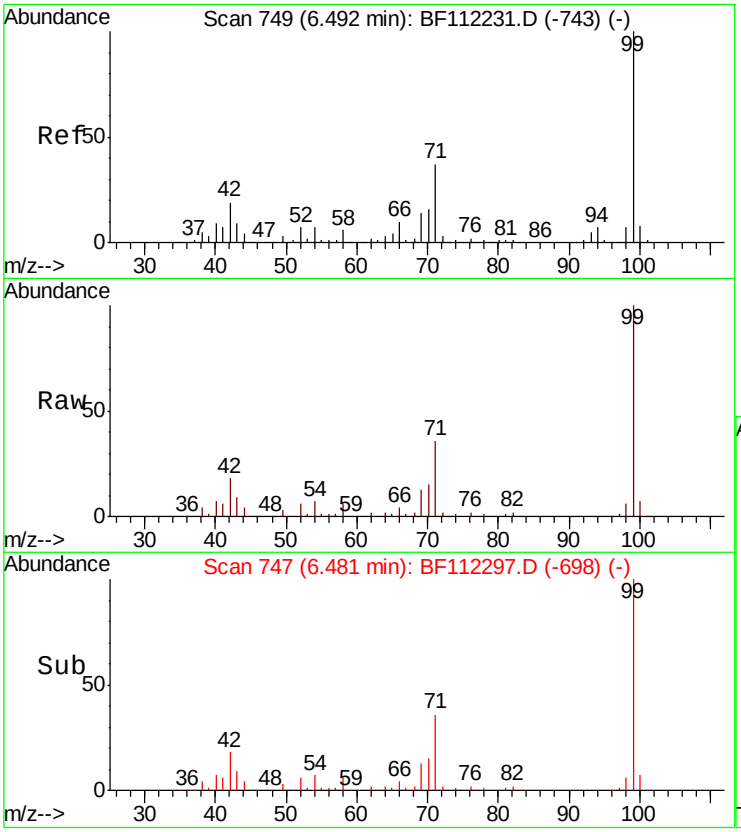




#5
2-Fluorophenol
Concen: 26.756 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:112 Resp: 217460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.4 | 45.7 | 68.5 |
| 63 | 29.3 | 23.6 | 35.4 |



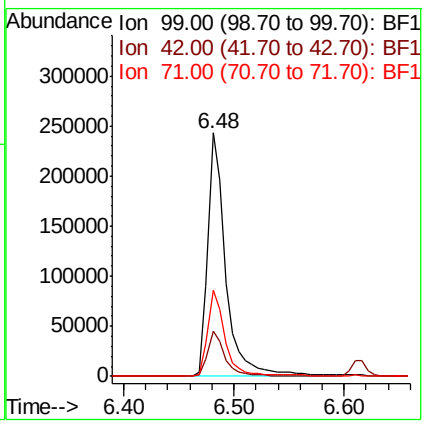


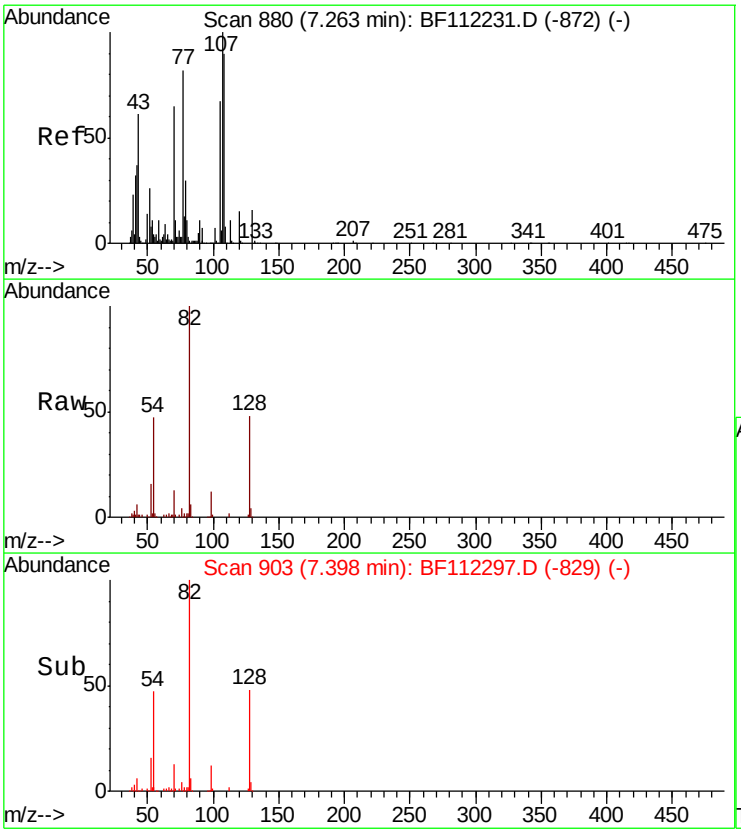

#7
Phenol-d6
Concen: 24.017 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion: 99 Resp: 271240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.1 | 22.7 |
| 71 | 35.6 | 26.9 | 40.3 |

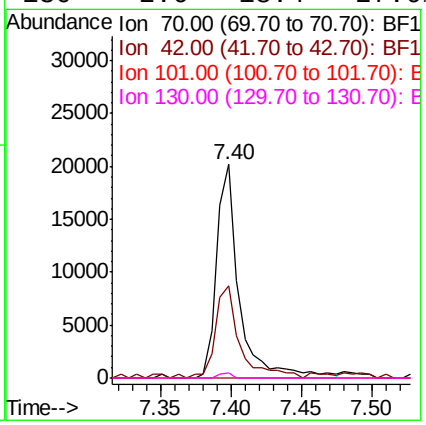


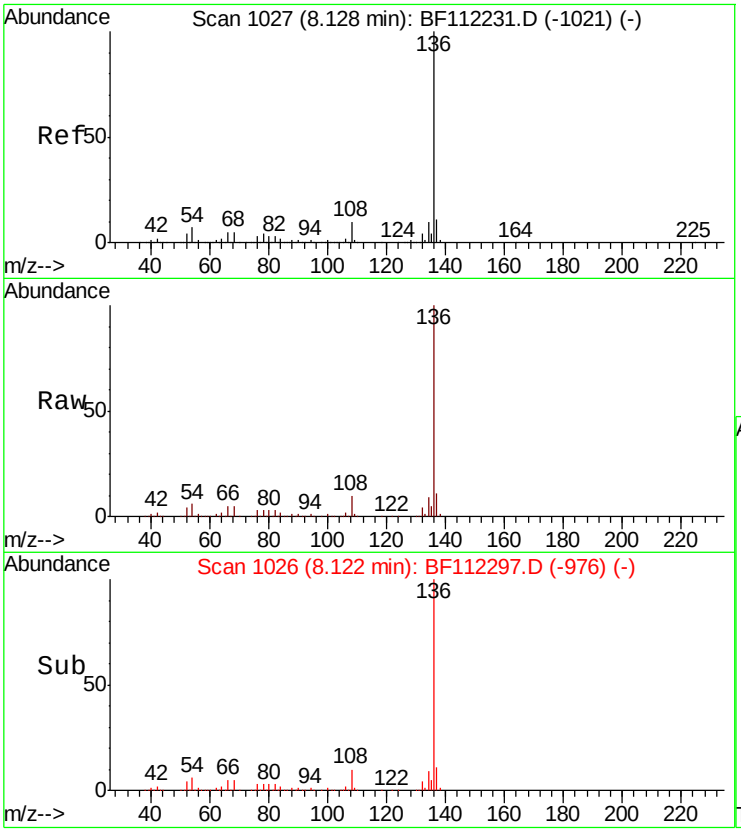




#19
n-Nitroso-di-n-propylamine
Concen: 2.887 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion: 70 Resp: 22479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.1 | 47.6 | 71.4# |
| 101 | 0.0 | 7.9 | 11.9# |
| 130 | 2.6 | 18.4 | 27.6# |



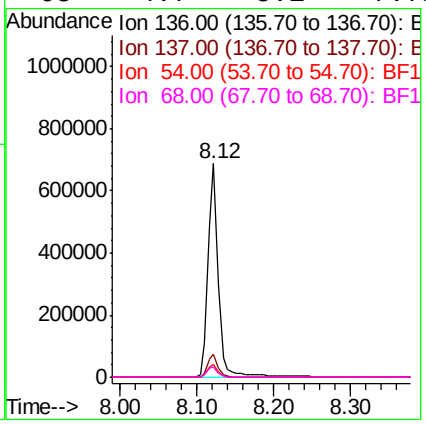


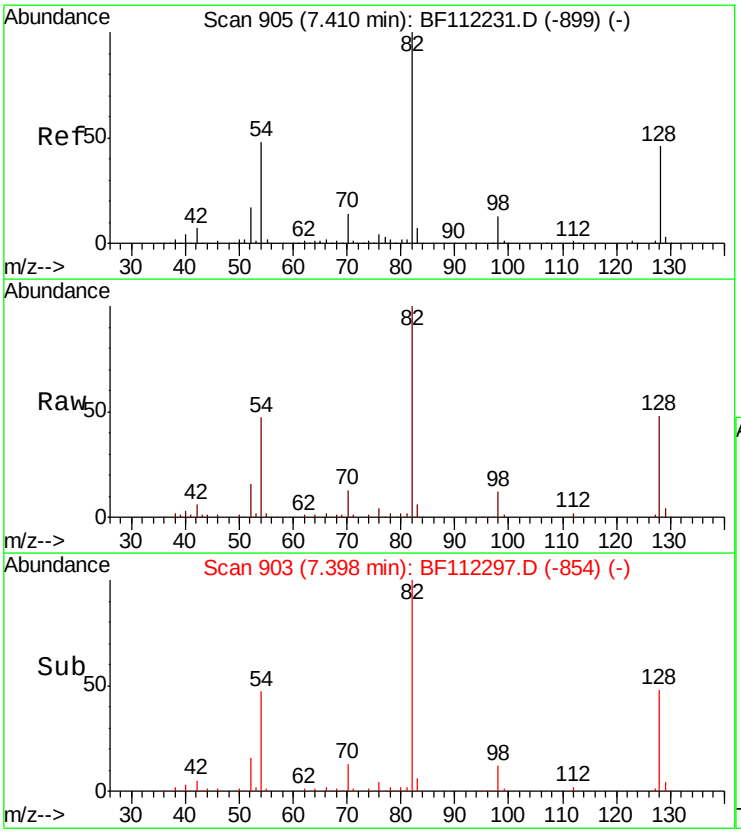

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:136 Resp: 639832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.1 | 13.7 |
| 54 | 5.9 | 5.9 | 8.9 |
| 68 | 4.7 | 5.1 | 7.7# |

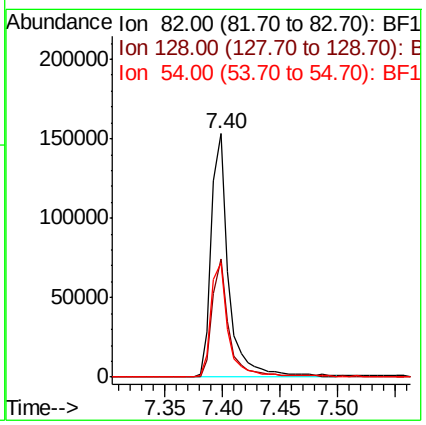


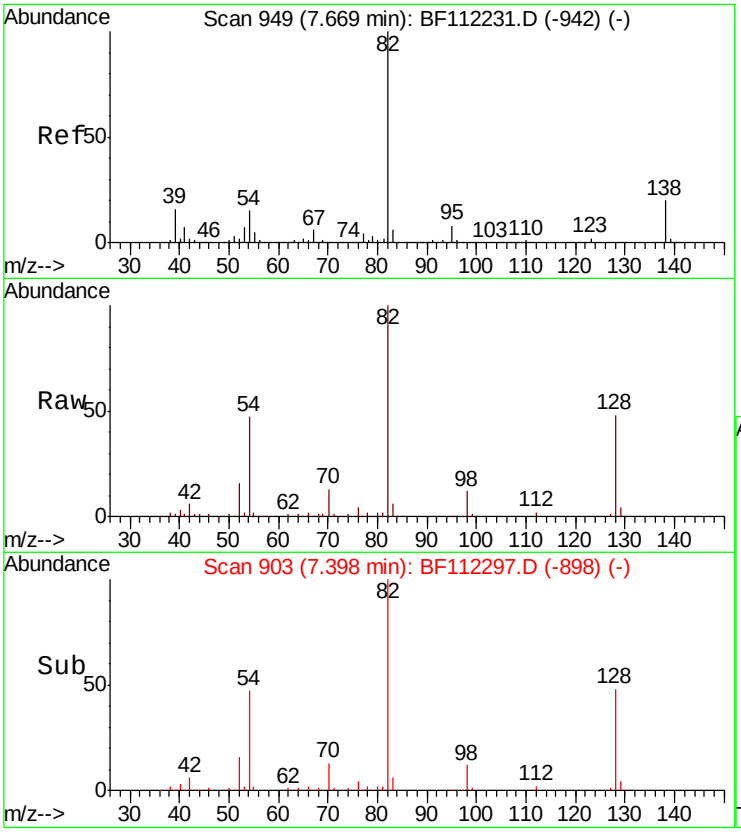




#23
Nitrobenzene-d5
Concen: 14.502 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion: 82 Resp: 161033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.4 | 37.8 | 56.8 |
| 54 | 46.8 | 39.7 | 59.5 |



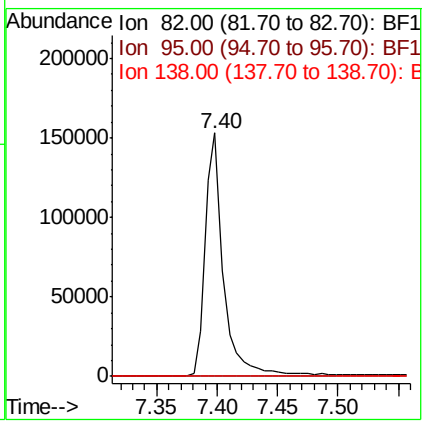


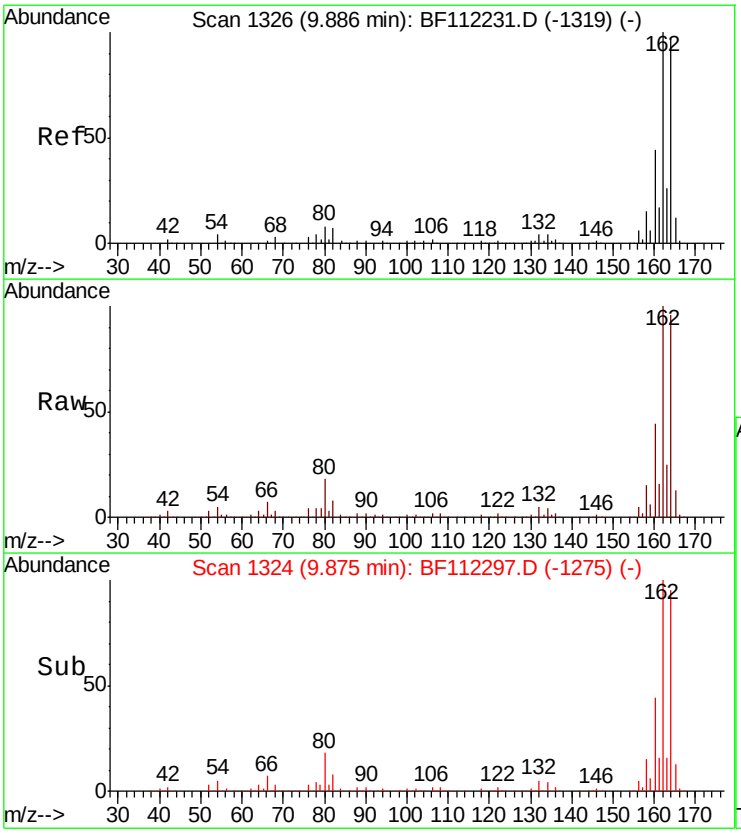

#25
Isophorone
Concen: 9.244 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion: 82 Resp: 161031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.7 | 8.5# |
| 138 | 0.0 | 15.4 | 23.0# |

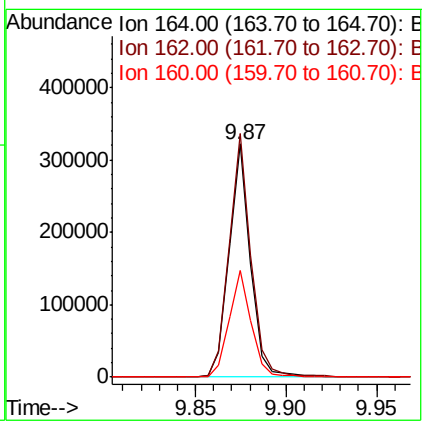


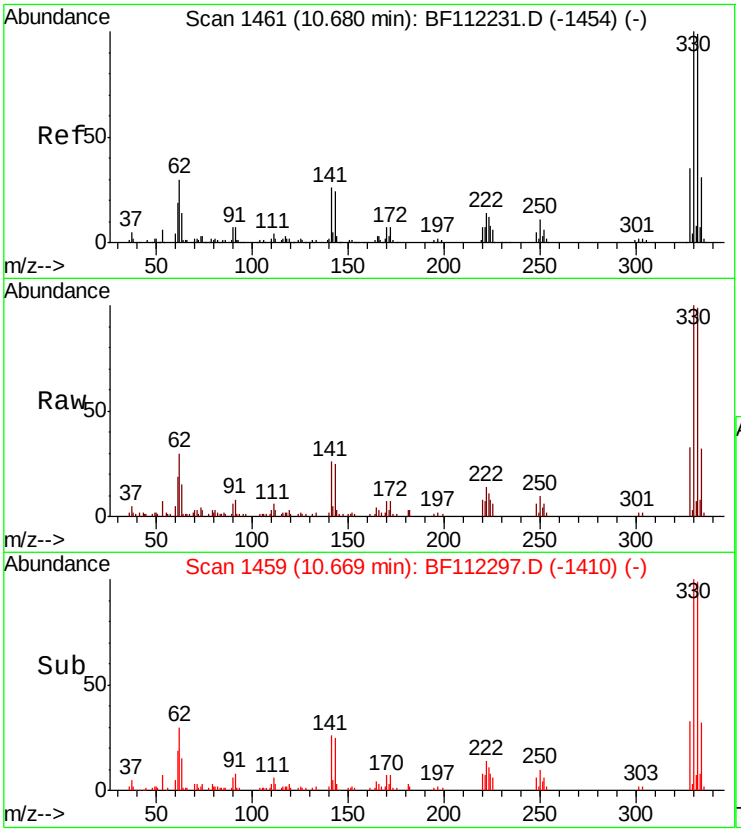




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:164 Resp: 265412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 82.2 | 123.4 |
| 160 | 45.6 | 36.2 | 54.4 |



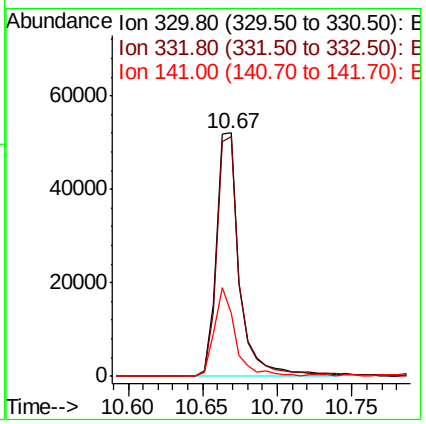


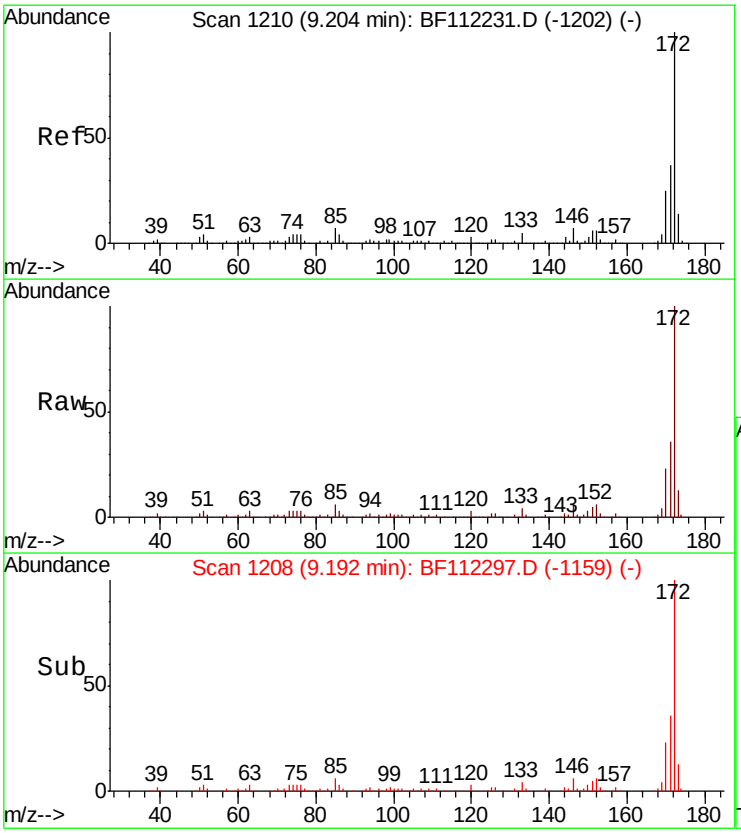

#42
2,4,6-Tribromophenol
Concen: 18.385 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:330 Resp: 56798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.6 | 76.6 | 114.8 |
| 141 | 33.1 | 24.3 | 36.5 |

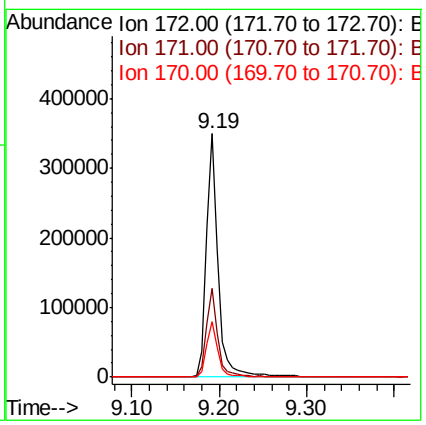


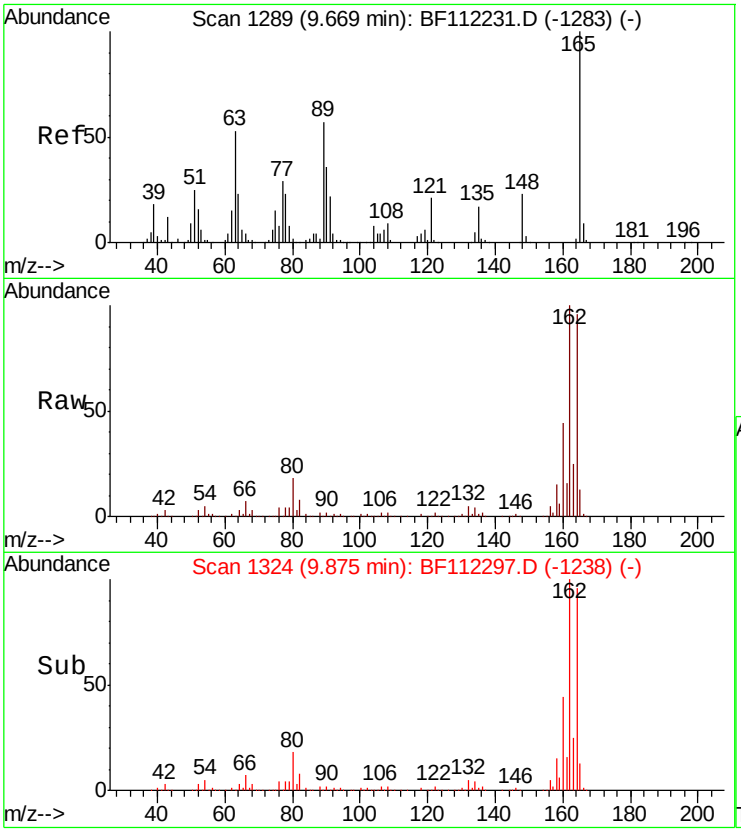




#45
2-Fluorobiphenyl
Concen: 17.563 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:172 Resp: 329579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 30.5 | 45.7 |
| 170 | 22.7 | 20.2 | 30.4 |



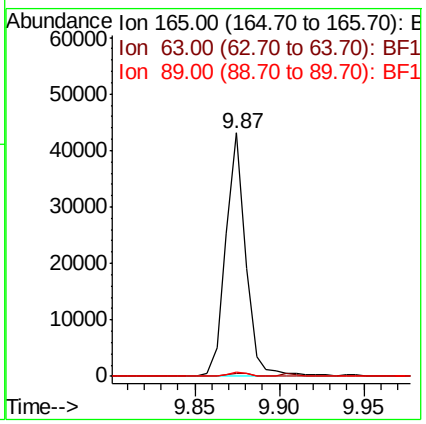


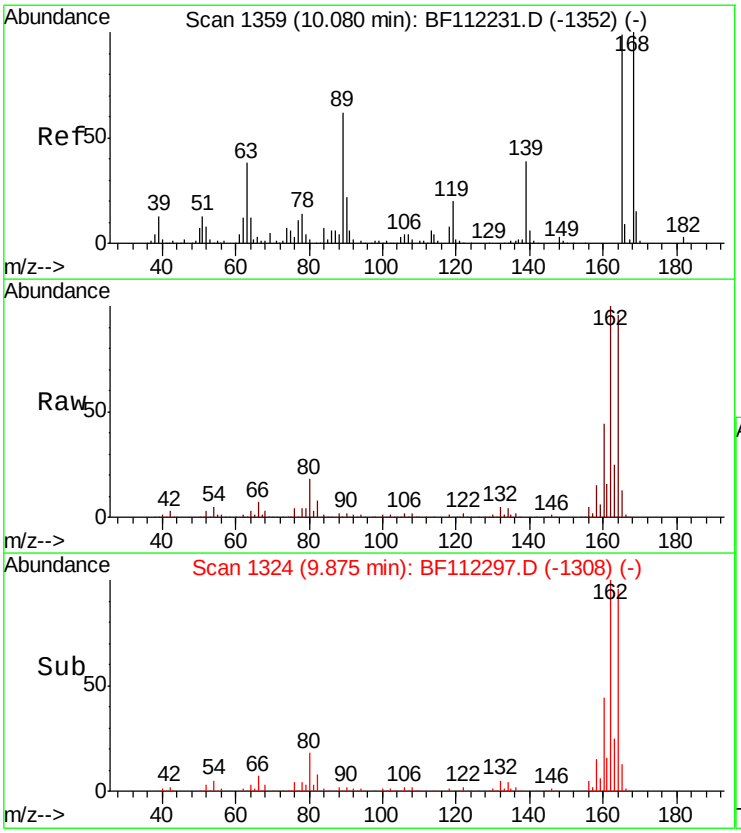

#51
2,6-Dinitrotoluene
Concen: 7.695 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:165 Resp: 35536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 33.8 | 50.8# |
| 89 | 1.5 | 36.9 | 55.3# |

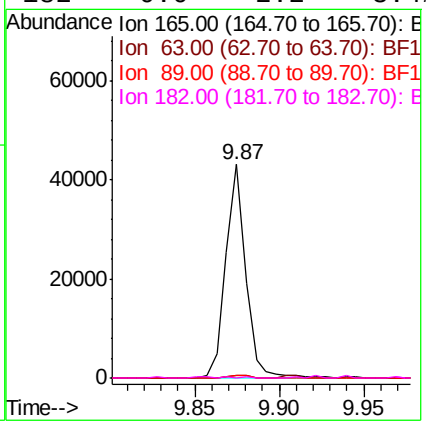


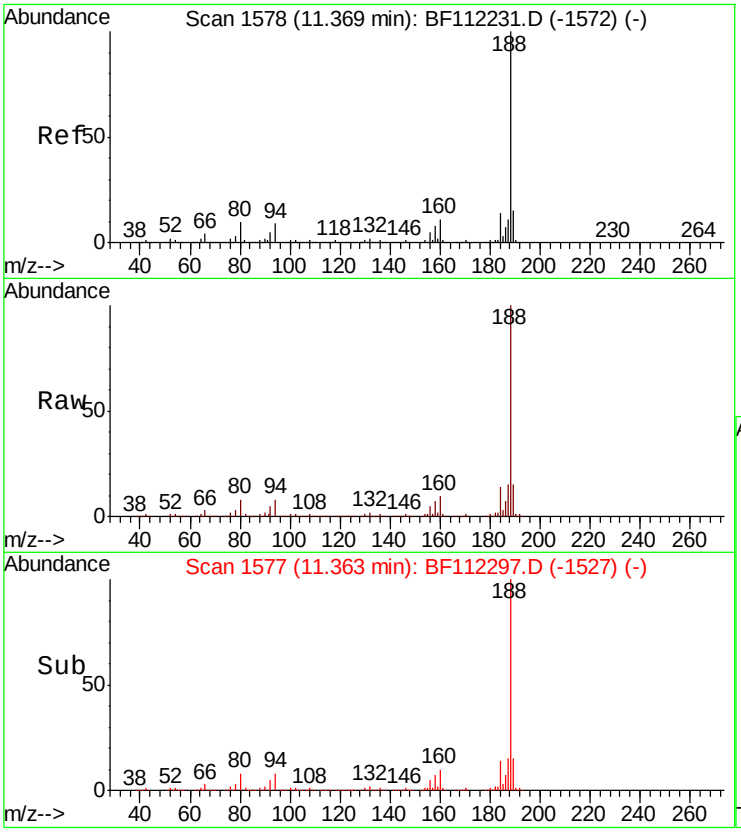




#57
2,4-Dinitrotoluene
Concen: 6.044 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:165 Resp: 35536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 27.9 | 41.9# |
| 89 | 1.5 | 47.9 | 71.9# |
| 182 | 0.0 | 2.2 | 3.4# |



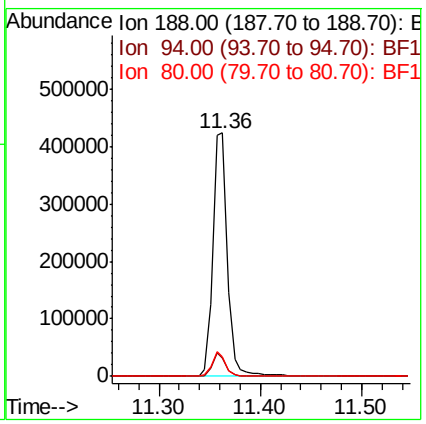


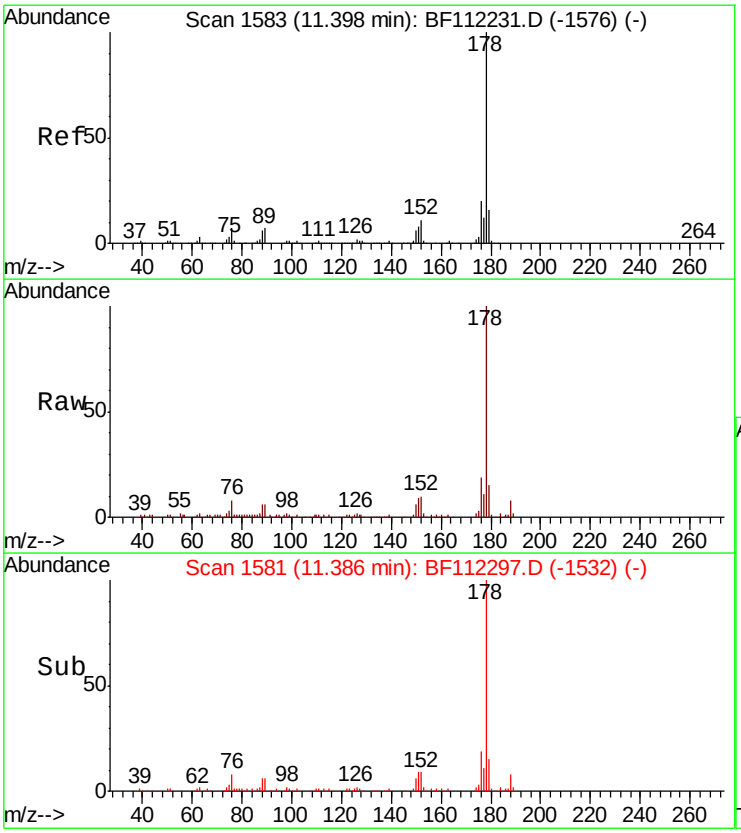

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:188 Resp: 425251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 8.2 | 12.2# |
| 80 | 7.8 | 8.9 | 13.3# |

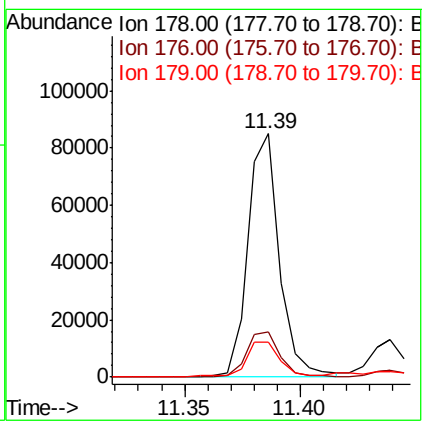


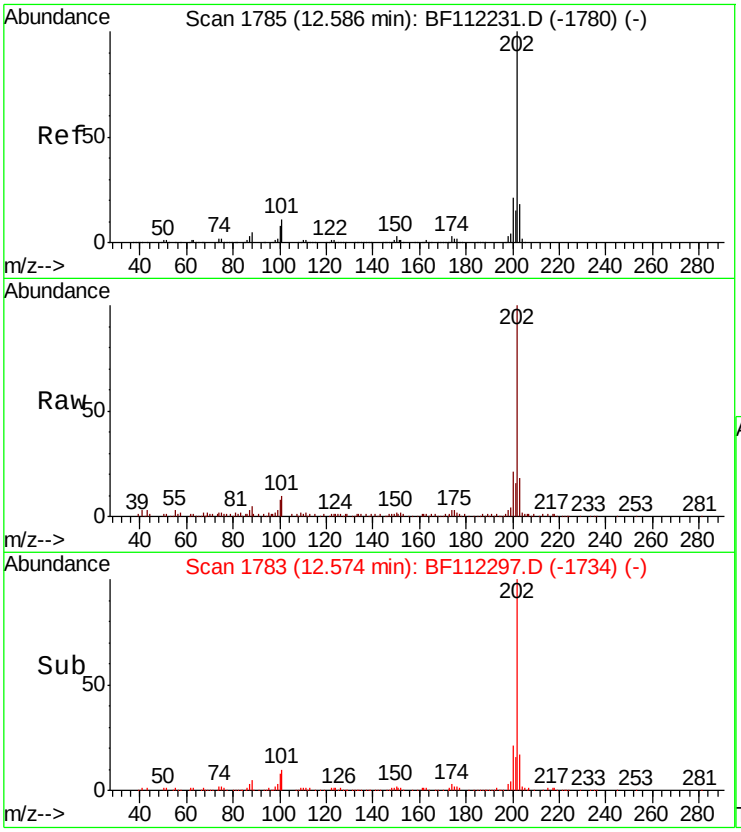




#71
Phenanthrene
Concen: 3.684 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:178 Resp: 81440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 16.3 | 24.5 |
| 179 | 14.6 | 13.0 | 19.4 |



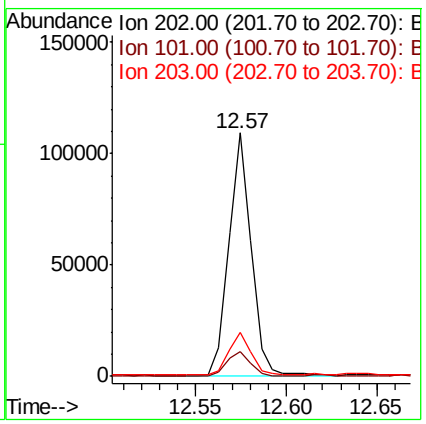


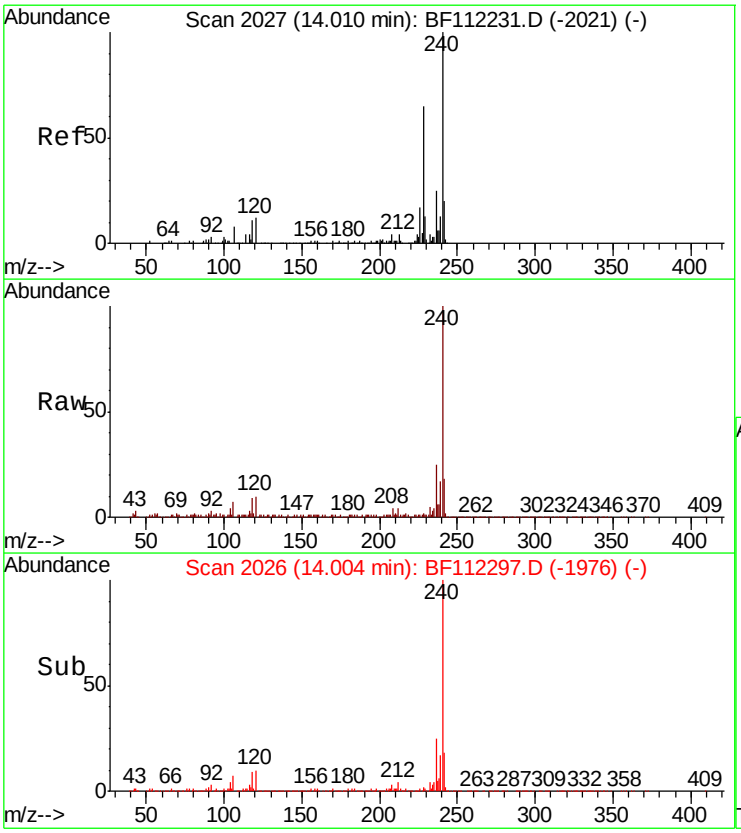

#75
Fluoranthene
Concen: 3.938 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:202 Resp: 93371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 31.8 |
| 203 | 17.8 | 0.0 | 38.4 |

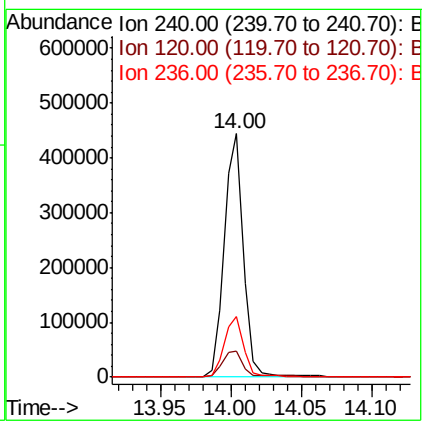


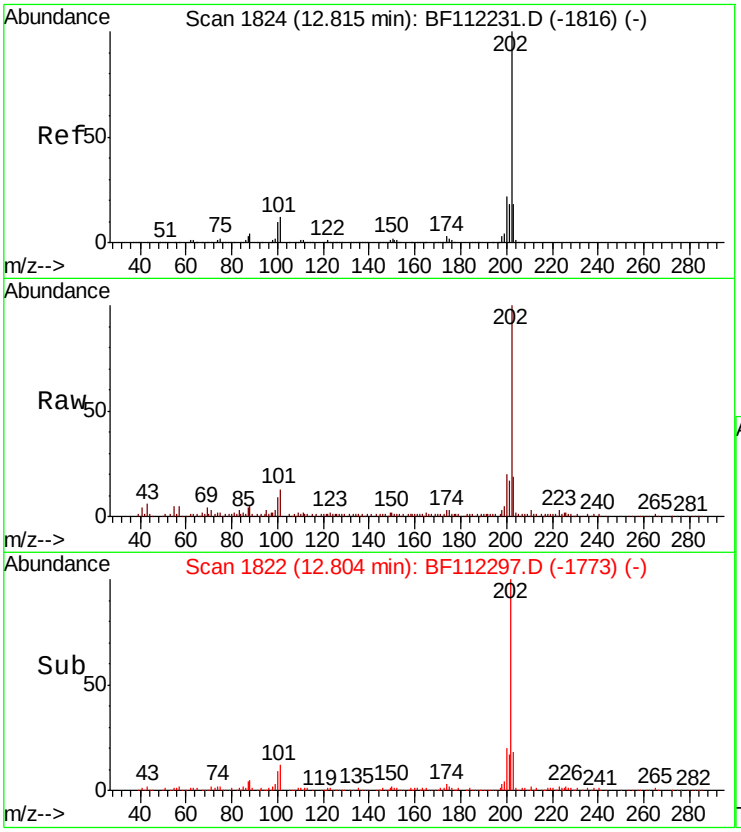




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:240 Resp: 414281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 9.0 | 13.6 |
| 236 | 25.0 | 20.7 | 31.1 |



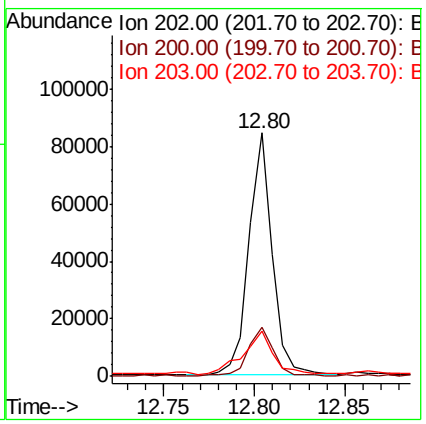


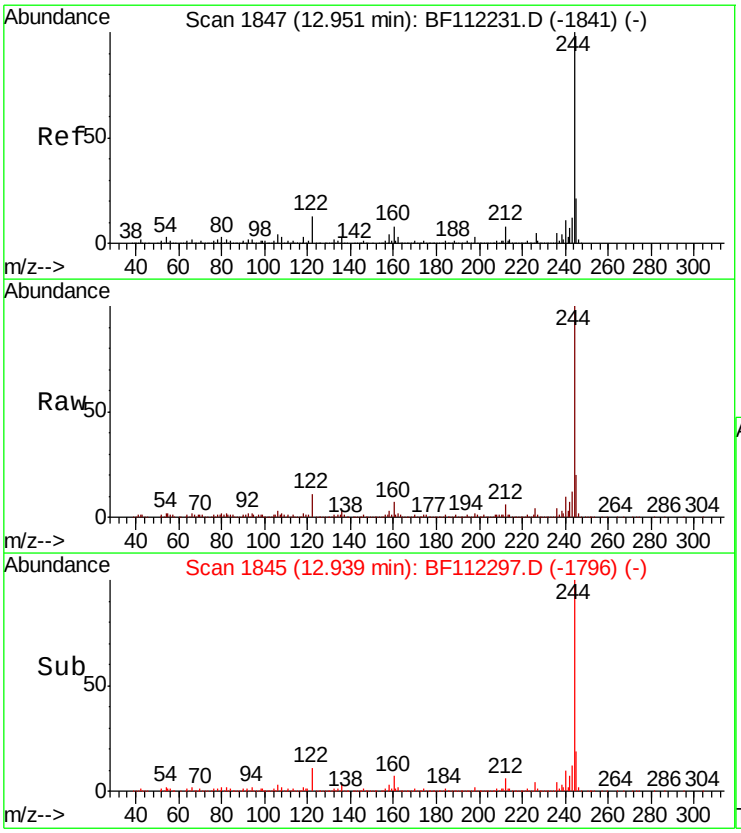

#78
Pyrene
Concen: 2.603 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:202 Resp: 74658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 17.7 | 26.5 |
| 203 | 18.7 | 14.6 | 22.0 |

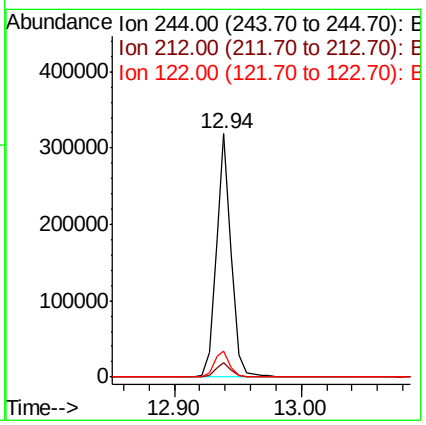


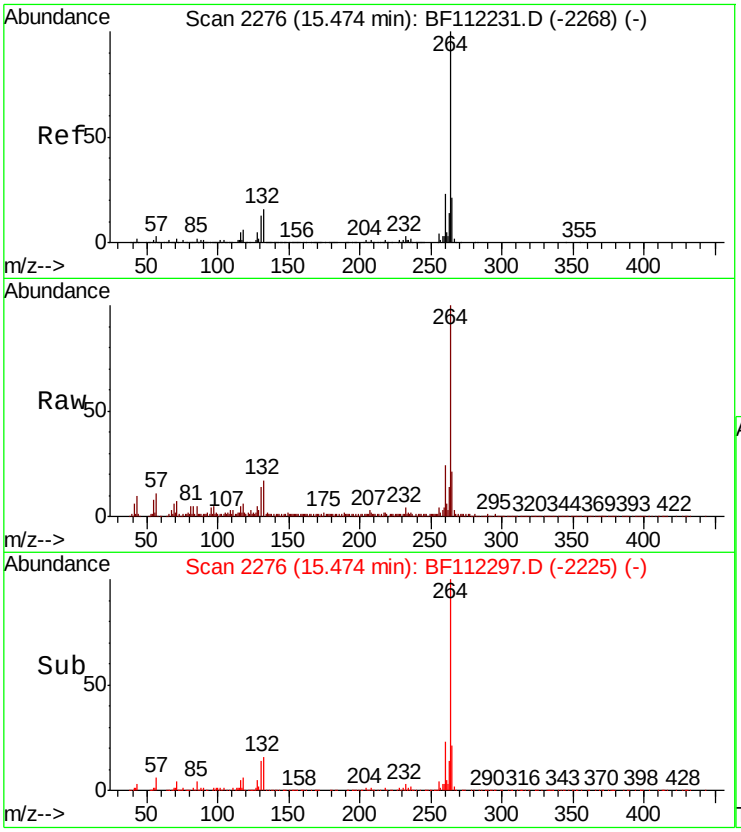




#79
Terphenyl-d14
Concen: 11.940 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:244 Resp: 262631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 5.9 | 5.9 | 8.9 |
| 122 | 10.7 | 9.8 | 14.6 |



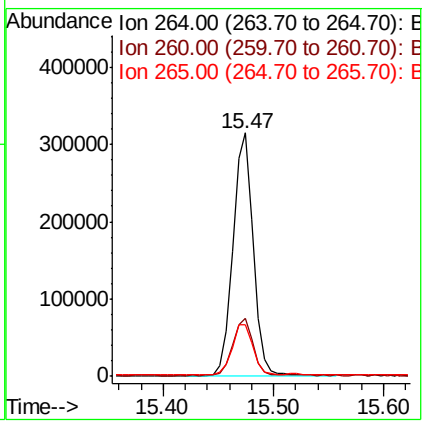


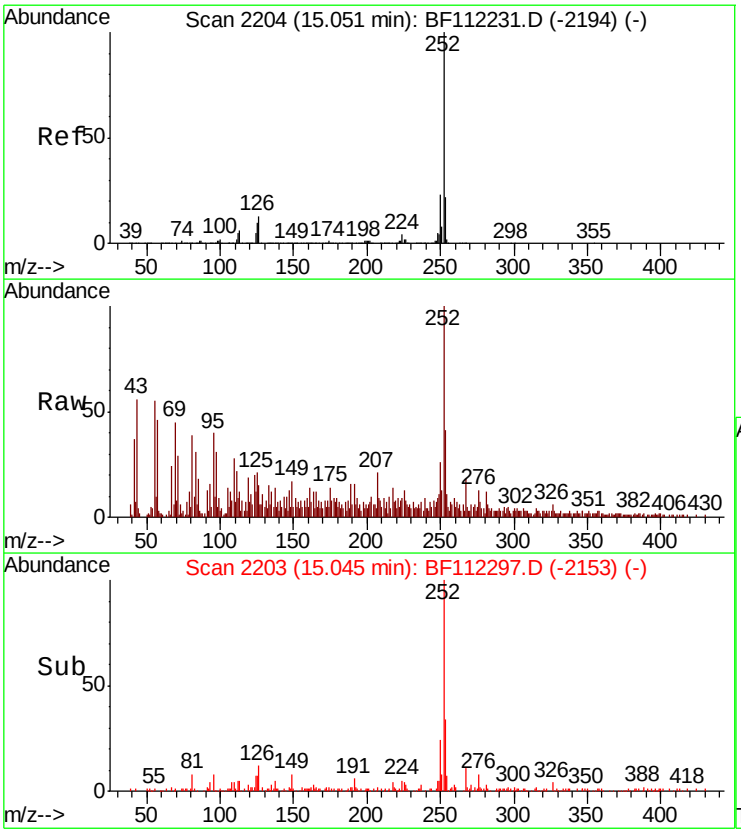

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:264 Resp: 403201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.2 | 27.2 |
| 265 | 21.2 | 17.0 | 25.4 |

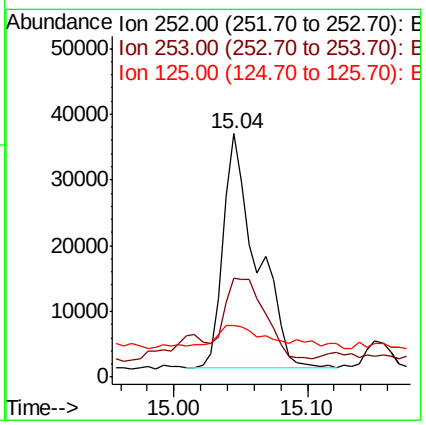


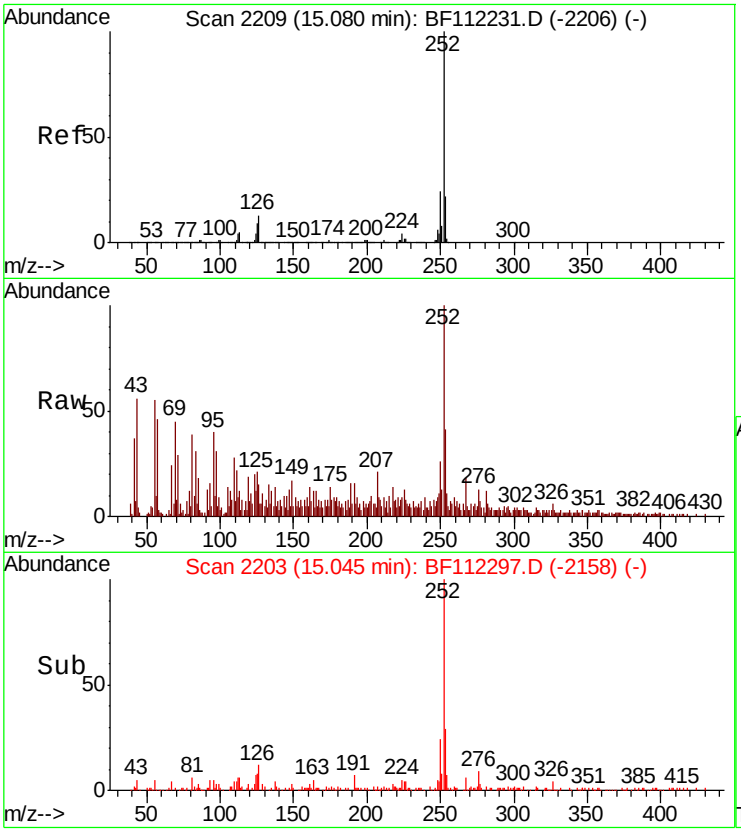




#88
Benzo(b)fluoranthene
Concen: 2.601 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

Tgt Ion:252 Resp: 62715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.8 | 18.0 | 27.0# |
| 125 | 21.3 | 8.7 | 13.1# |






#89
Benzo(k)fluoranthene
Concen: 2.715 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112297.D
Acq: 29 Jan 2019 16:11

**Instrument :**
BNA_F
**ClientSampleId :**
OK-03-012819-B

Tgt Ion:252 Resp: 62715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.8 | 18.0 | 27.0# |
| 125 | 21.3 | 9.1 | 13.7# |