Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118342.D
Acq On : 27 Dec 2019 17:14
Operator : JU
Sample : K6431-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 28 00:00:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 154736 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 592565 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 315364 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 580104 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.04 | 240 | 354898 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.53 | 264 | 360937 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 1055339 | 116.42 | ng | | 0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 1346226 | 119.72 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 813035 | 78.47 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 456986 | 117.34 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 1634126 | 79.10 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 1732209 | 80.97 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.50 | 94 | 32593 | 2.579 | ng | | 84 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 111278 | 16.063 | ng | # | 77 |
| 25) Isophorone | 7.42 | 82 | 807480 | 44.721 | ng | # | 62 |
| 50) Dimethylphthalate | 9.61 | 163 | 181059 | 7.649 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 9.90 | 165 | 40563 | 5.948 | ng | # | 30 |
| 67) 4-Bromophenyl-phenylether | 10.69 | 248 | 28932 | 4.262 | ng | # | 1 |
| 75) Fluoranthene | 12.61 | 202 | 81001 | 2.538 | ng | | 97 |
| 77) Benzidine | 12.99 | 184 | 24157 | 2.484 | ng | # | 94 |
| 78) Pyrene | 12.85 | 202 | 71404 | 2.464 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 52035 | 2.172 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 52035 | 2.262 | ng | # | 97 |

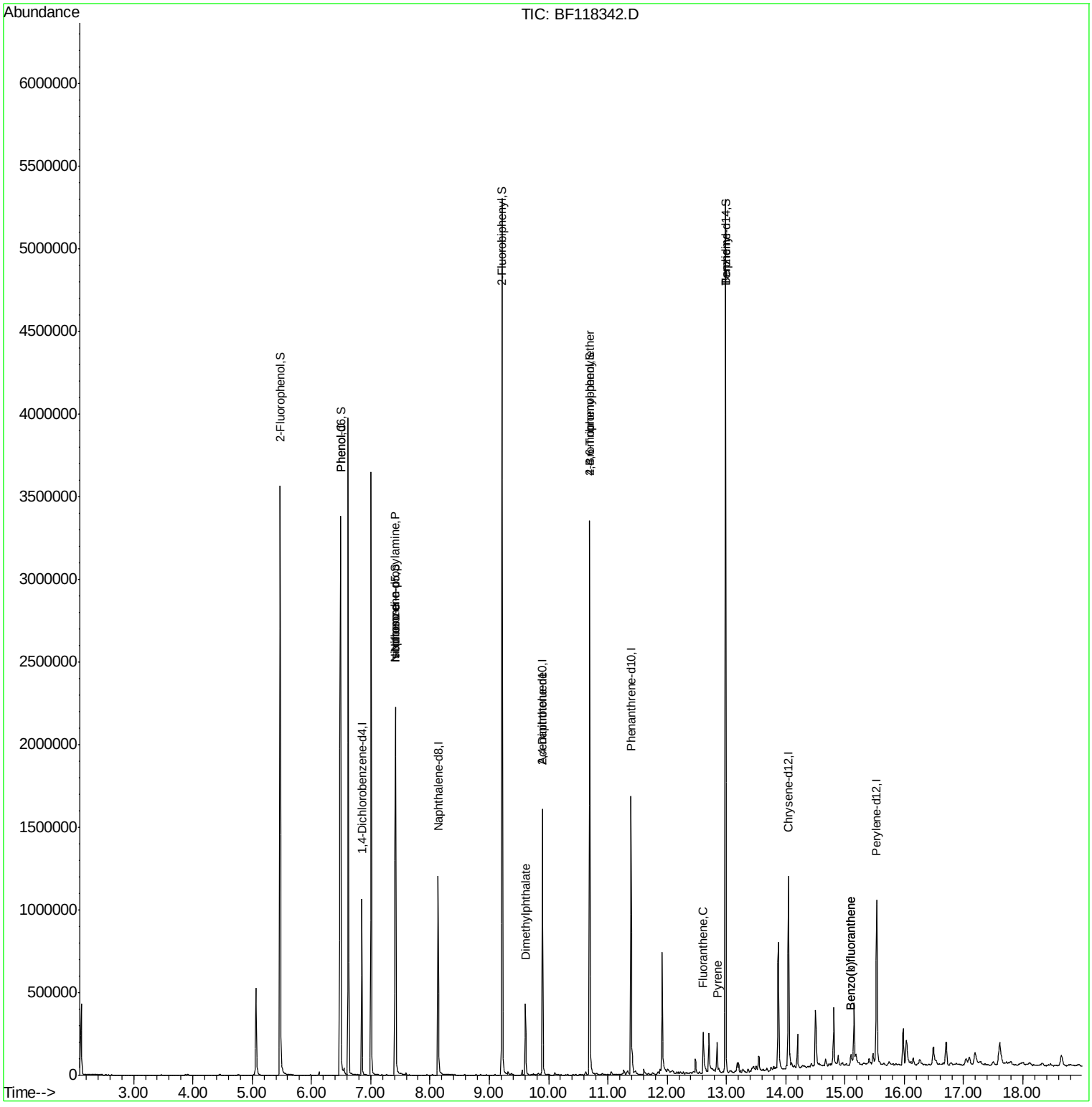
(#) = qualifier out of range (m) = manual integration (+) = signals summed

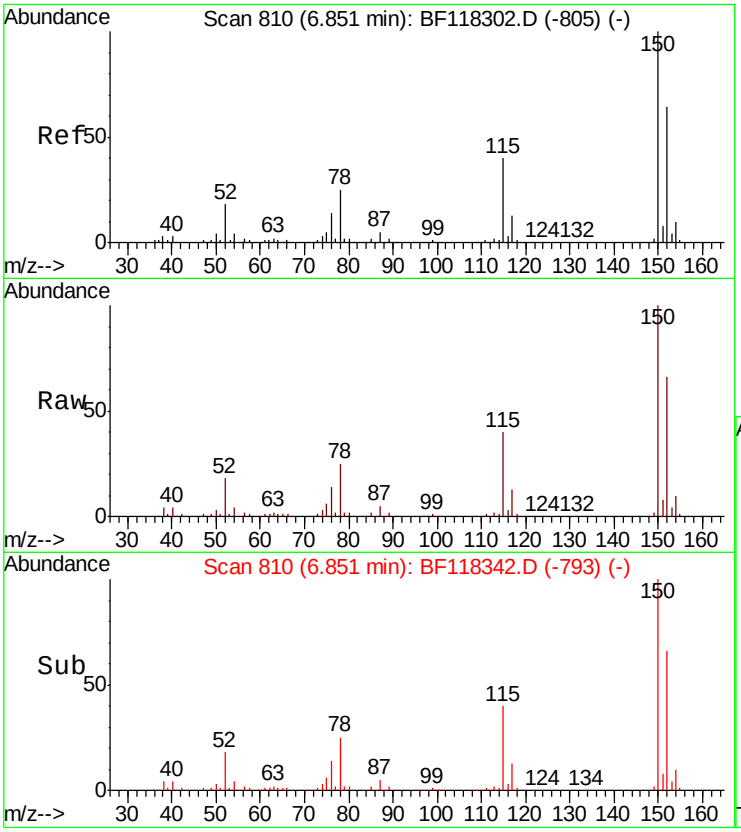
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118342.D
Acq On : 27 Dec 2019 17:14
Operator : JU
Sample : K6431-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 28 00:00:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration



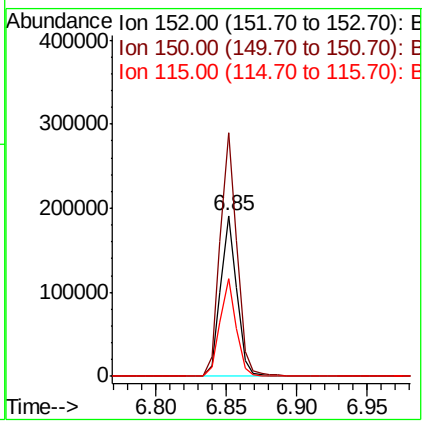


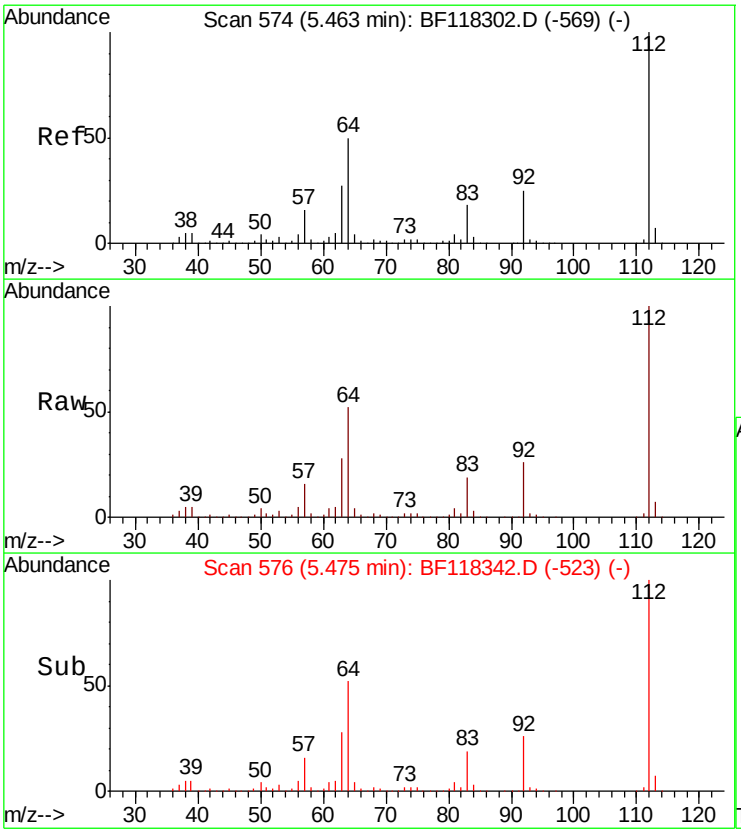

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:152 Resp: 154736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.4 | 125.4 | 188.2 |
| 115 | 61.1 | 50.2 | 75.4 |

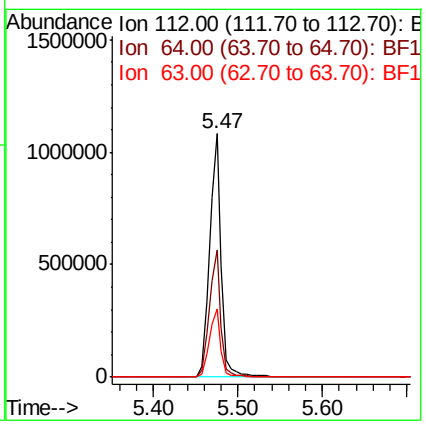


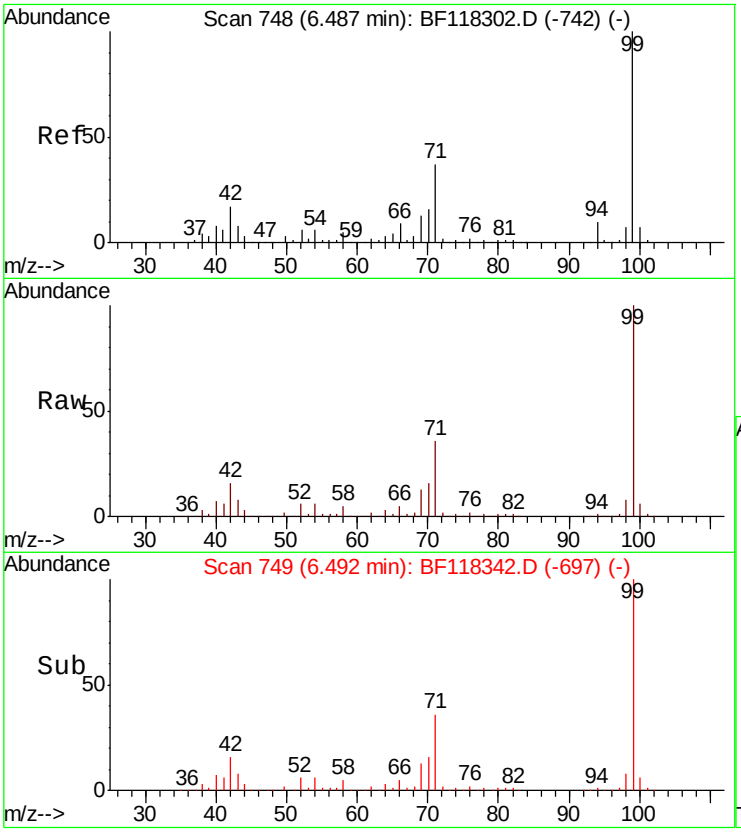




#5
2-Fluorophenol
Concen: 116.421 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:112 Resp: 1055339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.2 | 39.7 | 59.5 |
| 63 | 28.0 | 21.7 | 32.5 |



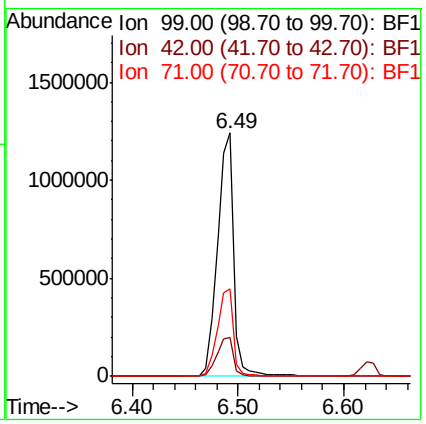


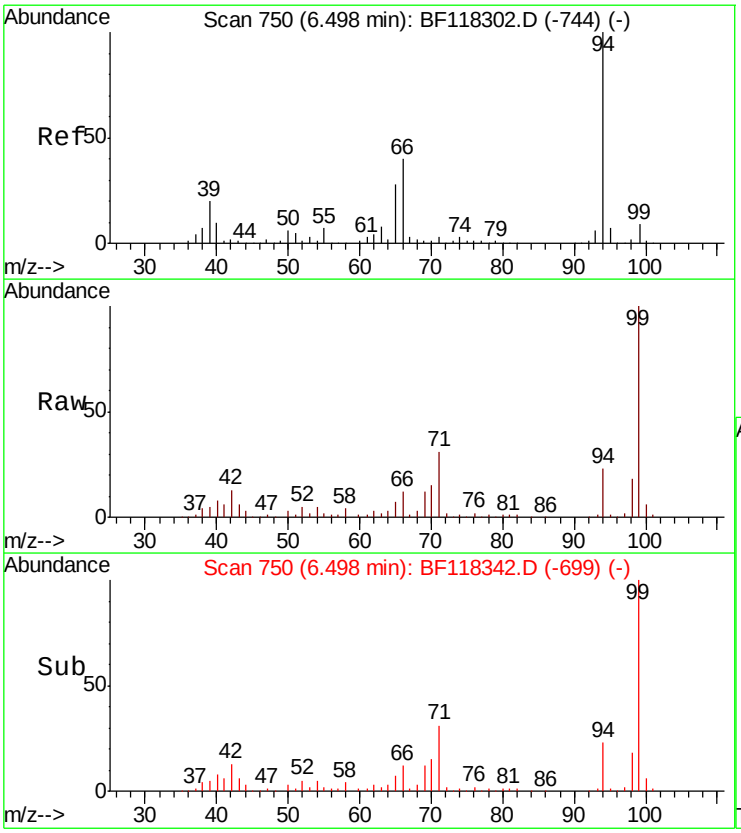

#7
Phenol-d6
Concen: 119.716 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion: 99 Resp: 1346226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 13.5 | 20.3 |
| 71 | 35.9 | 29.4 | 44.2 |

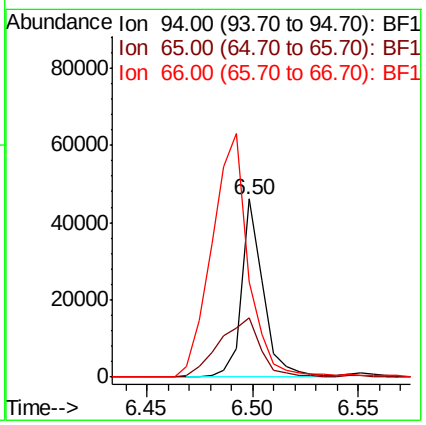


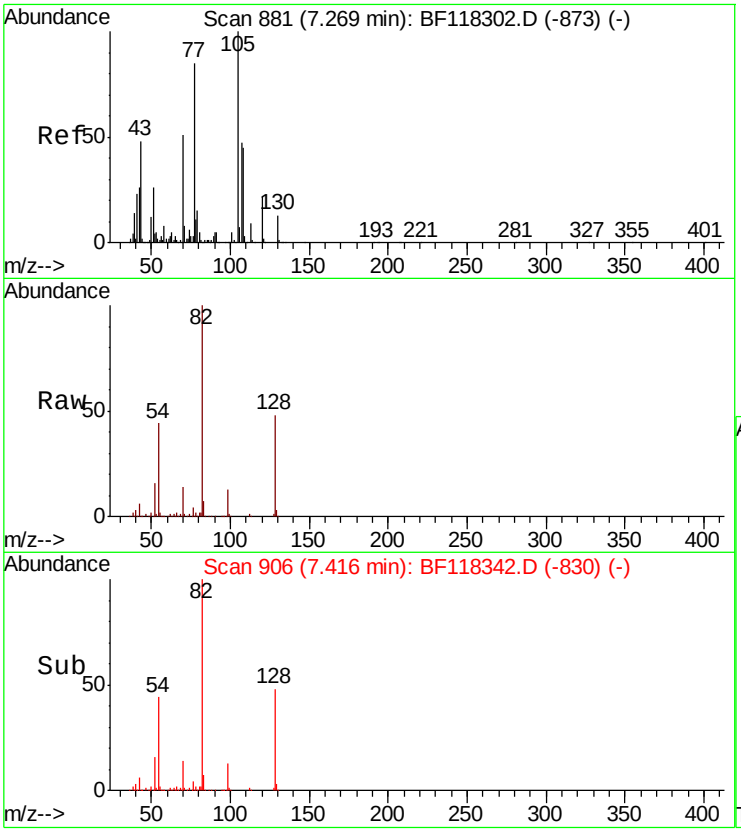




#10
Phenol
Concen: 2.579 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion: 94 Resp: 32593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.0 | 7.8 | 47.8 |
| 66 | 53.2 | 20.4 | 60.4 |



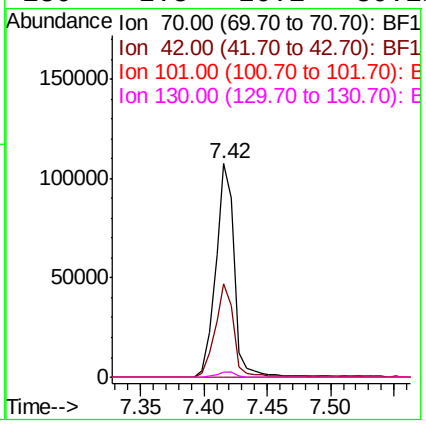


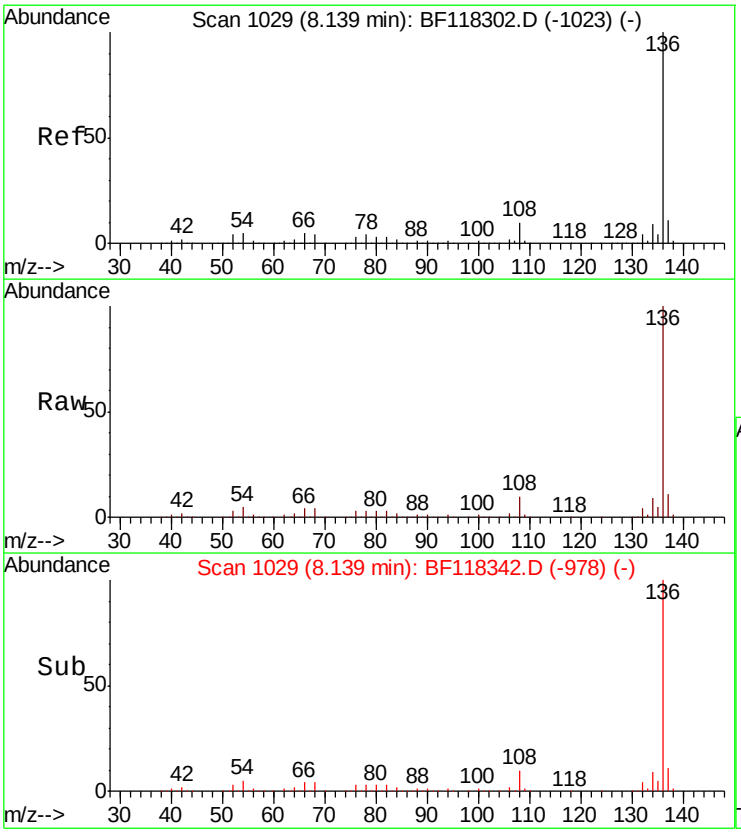

#19
n-Nitroso-di-n-propylamine
Concen: 16.063 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion: 70 Resp: 111278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.6 | 41.1 | 61.7 |
| 101 | 0.0 | 8.3 | 12.5# |
| 130 | 2.3 | 20.1 | 30.1# |

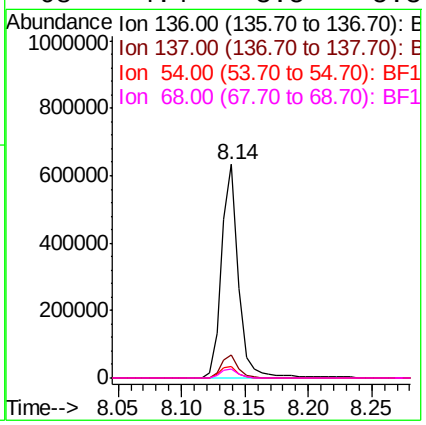


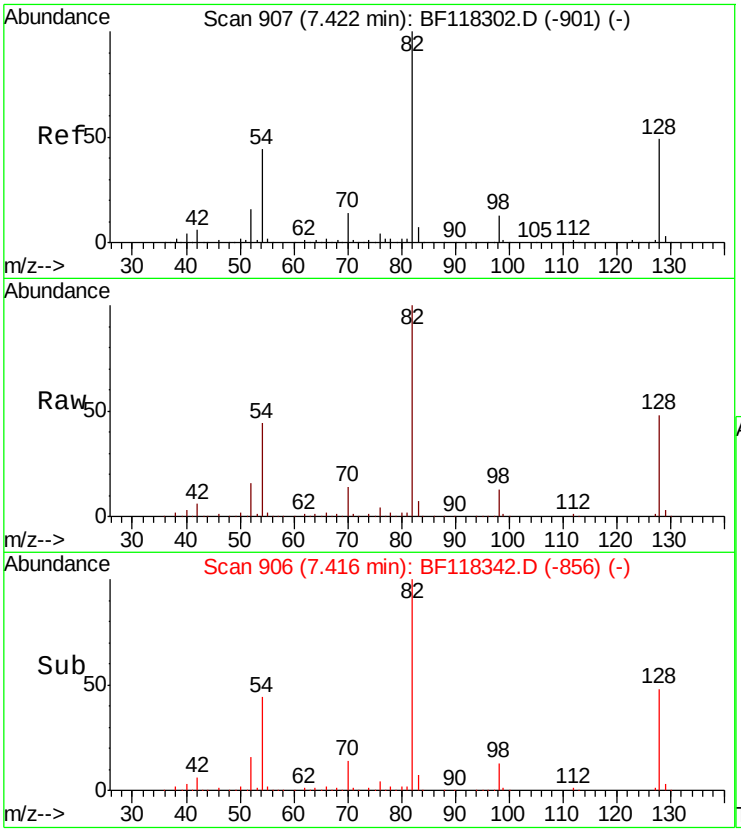




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:136 Resp: 592565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 5.4 | 4.2 | 6.4 |
| 68 | 4.4 | 3.5 | 5.3 |



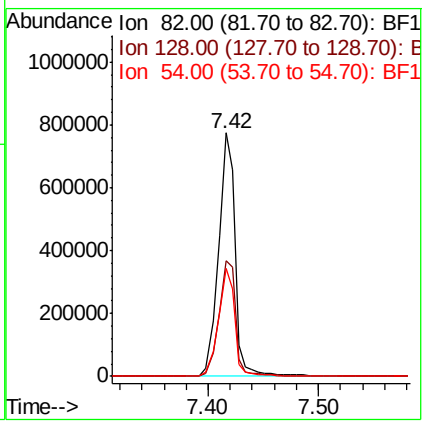


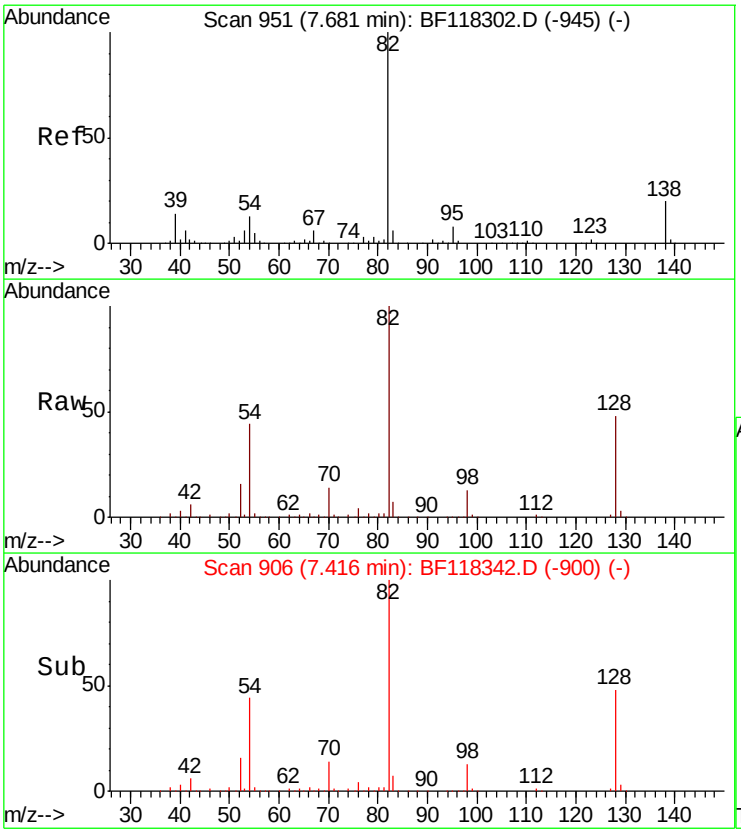

#23
Nitrobenzene-d5
Concen: 78.475 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion: 82 Resp: 813035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 39.6 | 59.4 |
| 54 | 44.1 | 34.9 | 52.3 |

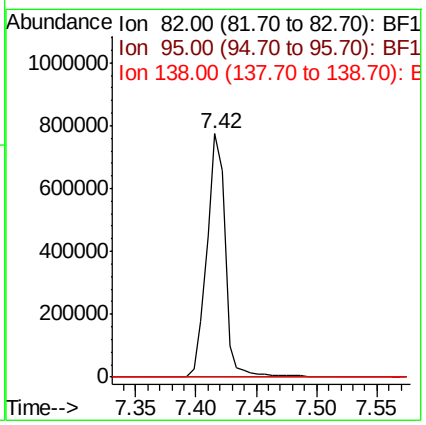


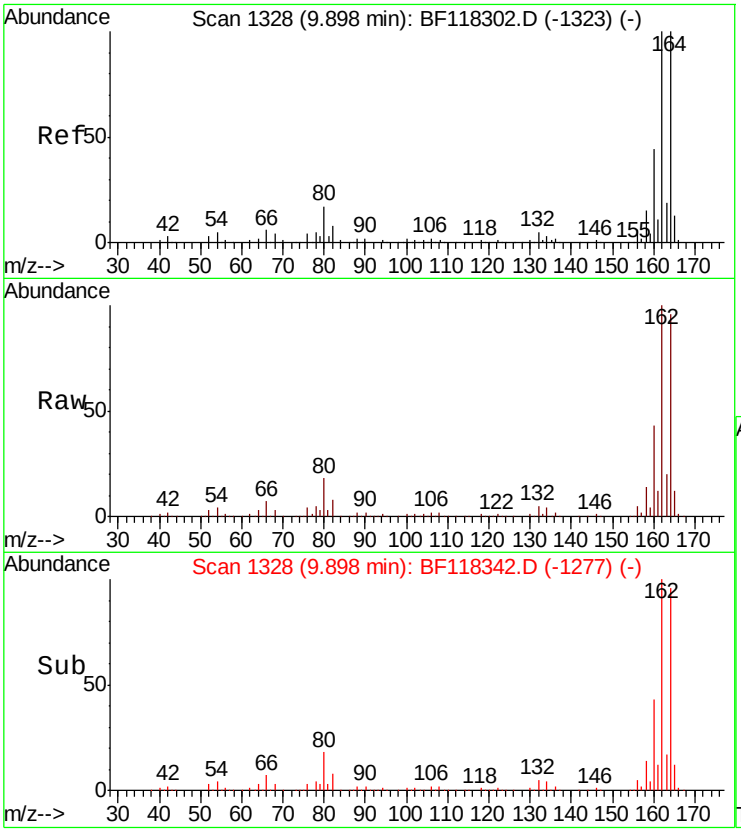




#25
Isophorone
Concen: 44.721 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion: 82 Resp: 807480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 6.3 | 9.5# |
| 138 | 0.0 | 16.2 | 24.2# |



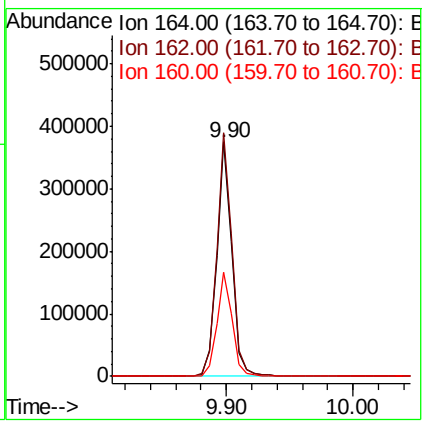


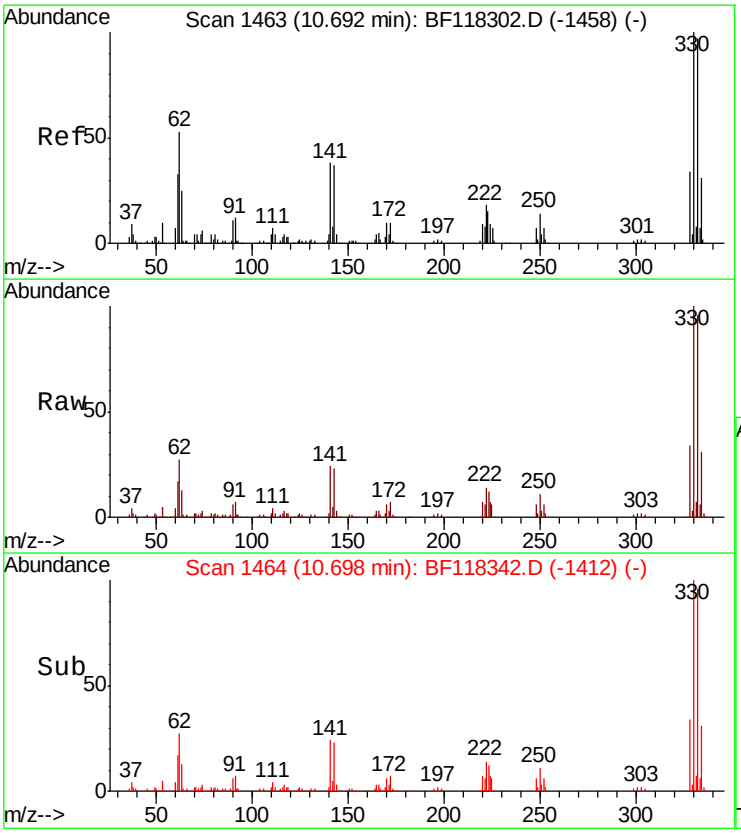

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:164 Resp: 315364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 80.0 | 120.0 |
| 160 | 44.3 | 34.8 | 52.2 |

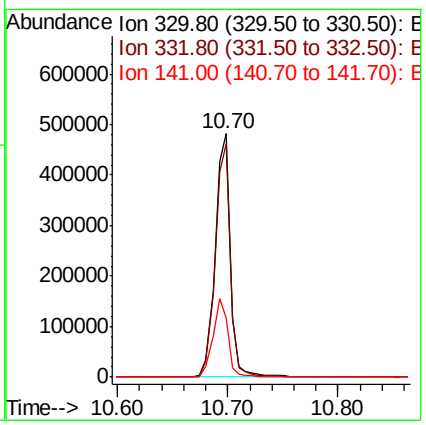


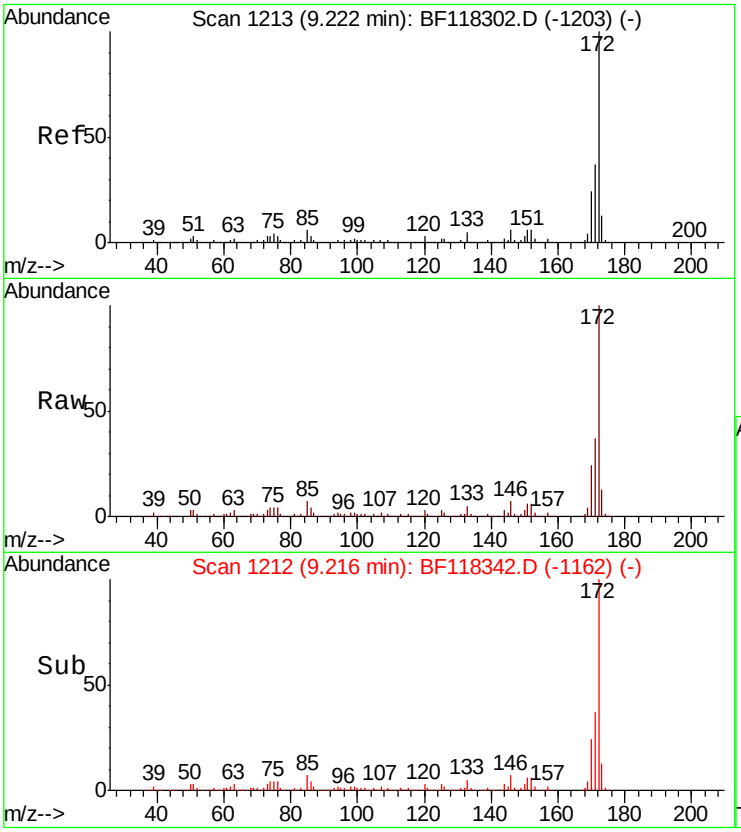




#42
2,4,6-Tribromophenol
Concen: 117.341 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:330 Resp: 456986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.6 | 114.8 |
| 141 | 32.1 | 26.0 | 39.0 |



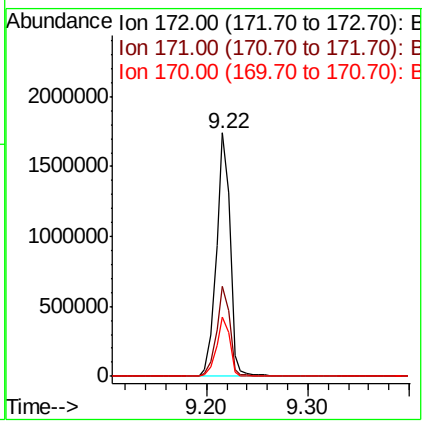


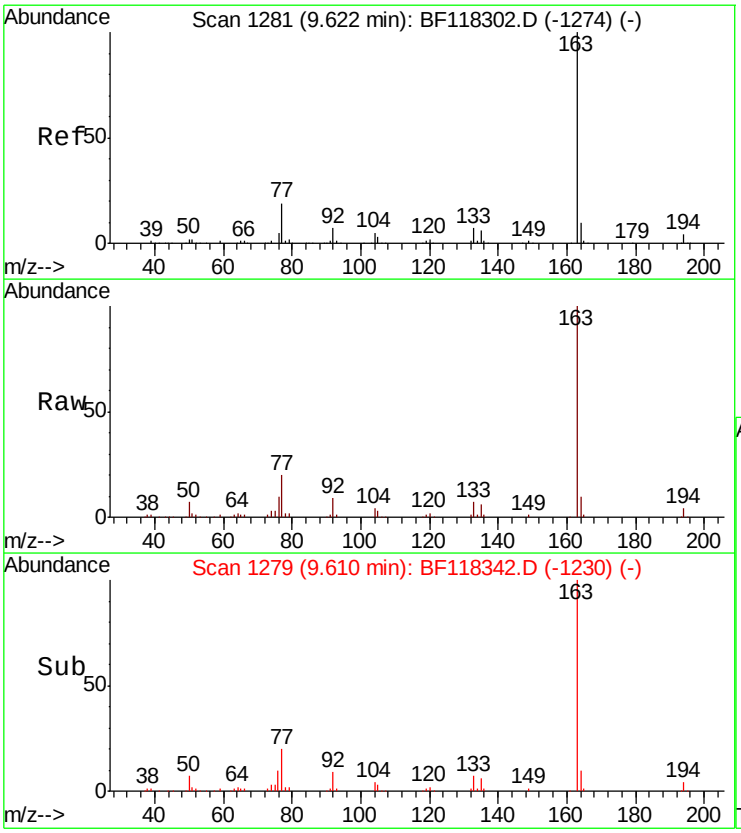

#45
2-Fluorobiphenyl
Concen: 79.097 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:172 Resp: 1634126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.3 | 43.9 |
| 170 | 24.4 | 19.2 | 28.8 |

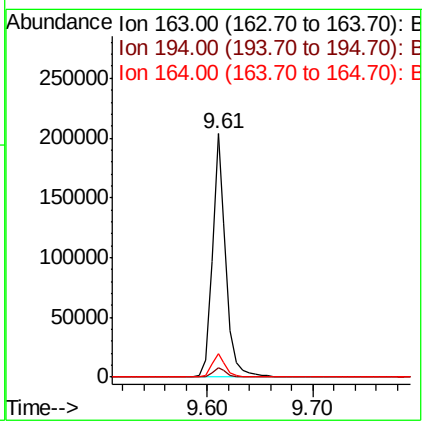


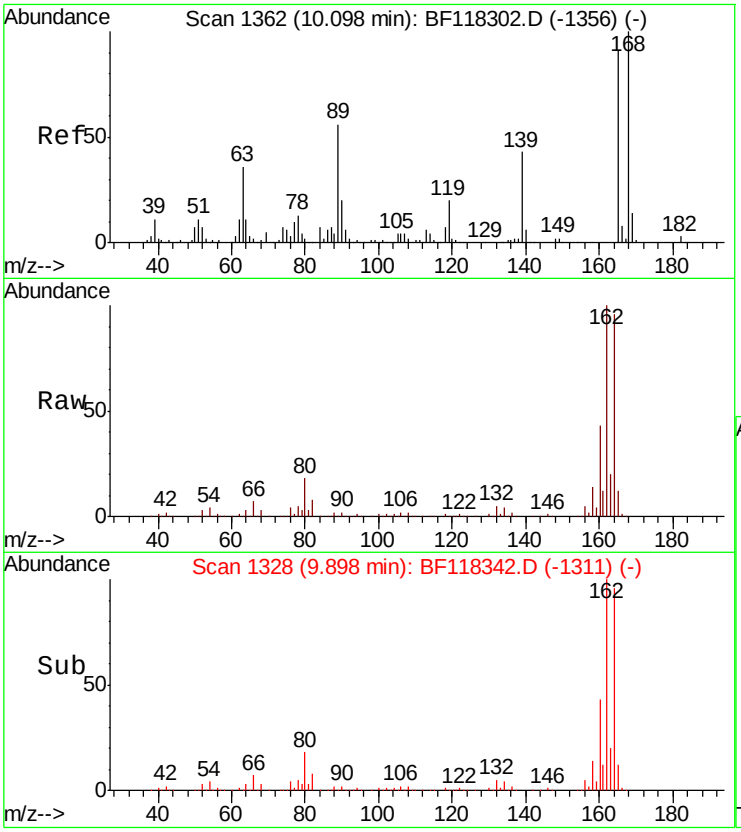




#50
Dimethylphthalate
Concen: 7.649 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:163 Resp: 181059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.2 | 4.8 |
| 164 | 9.5 | 7.9 | 11.9 |



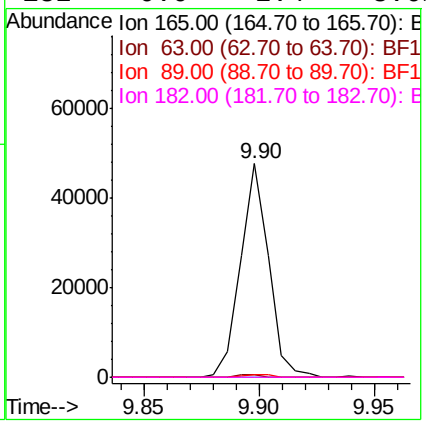


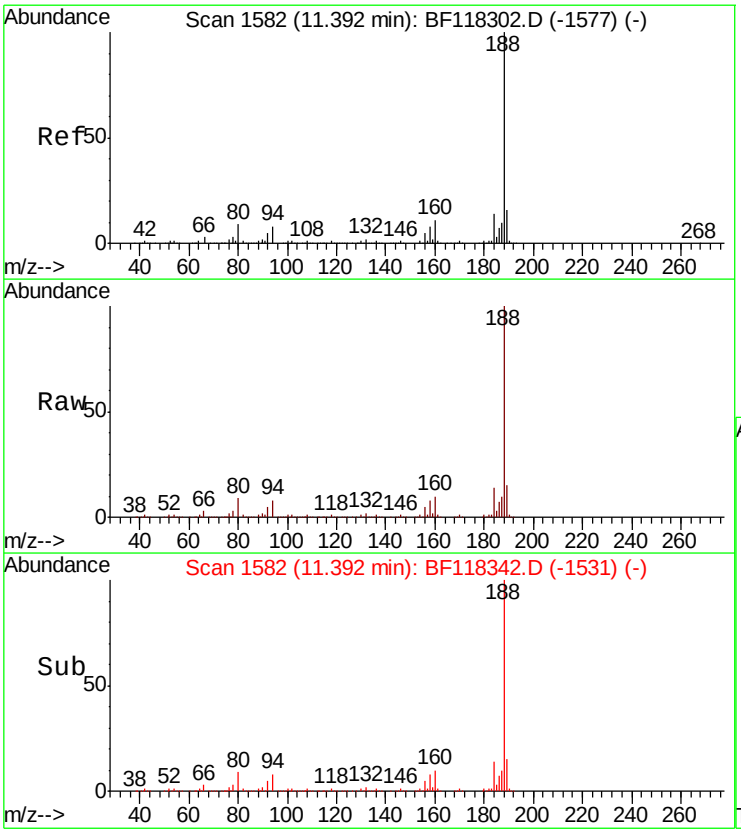

#57
2,4-Dinitrotoluene
Concen: 5.948 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:165 Resp: 40563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 32.0 | 48.0# |
| 89 | 1.3 | 49.3 | 73.9# |
| 182 | 0.0 | 2.4 | 3.6# |

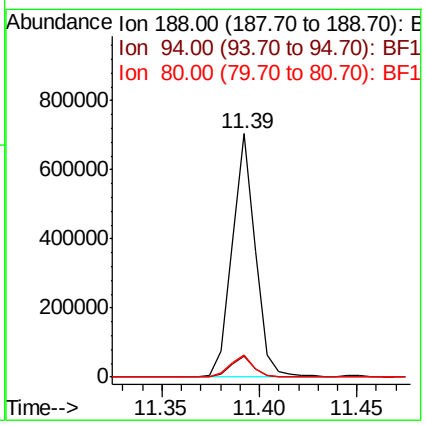


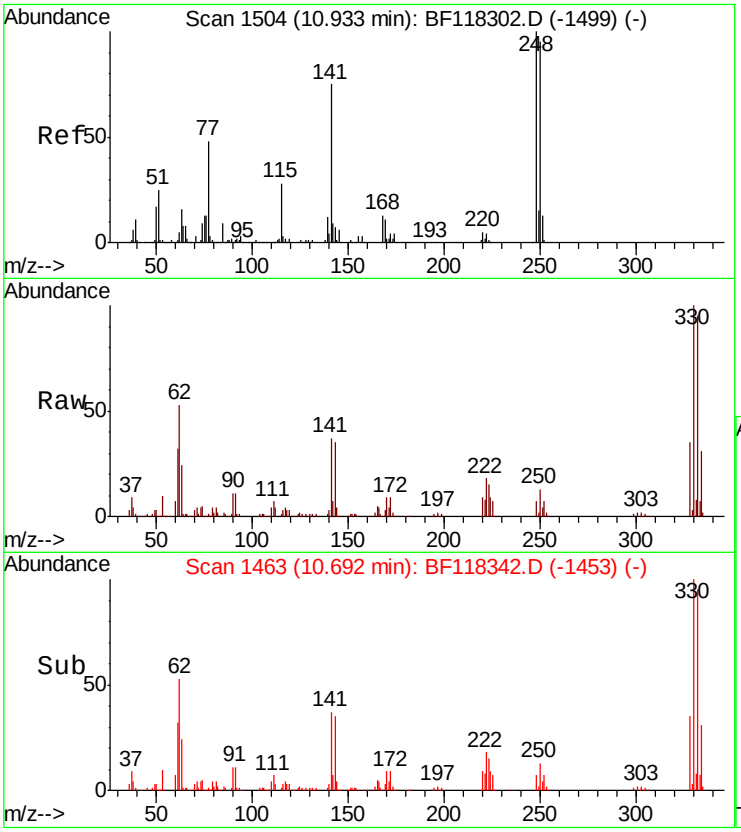




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:188 Resp: 580104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.7 | 10.1 |
| 80 | 9.0 | 7.2 | 10.8 |



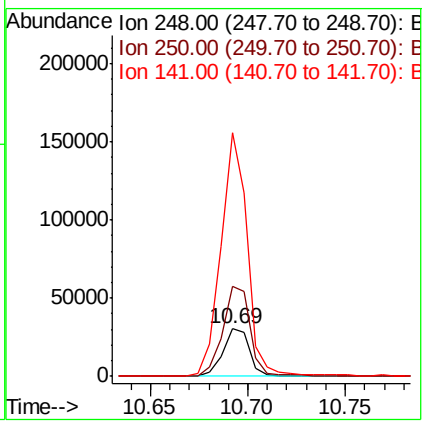


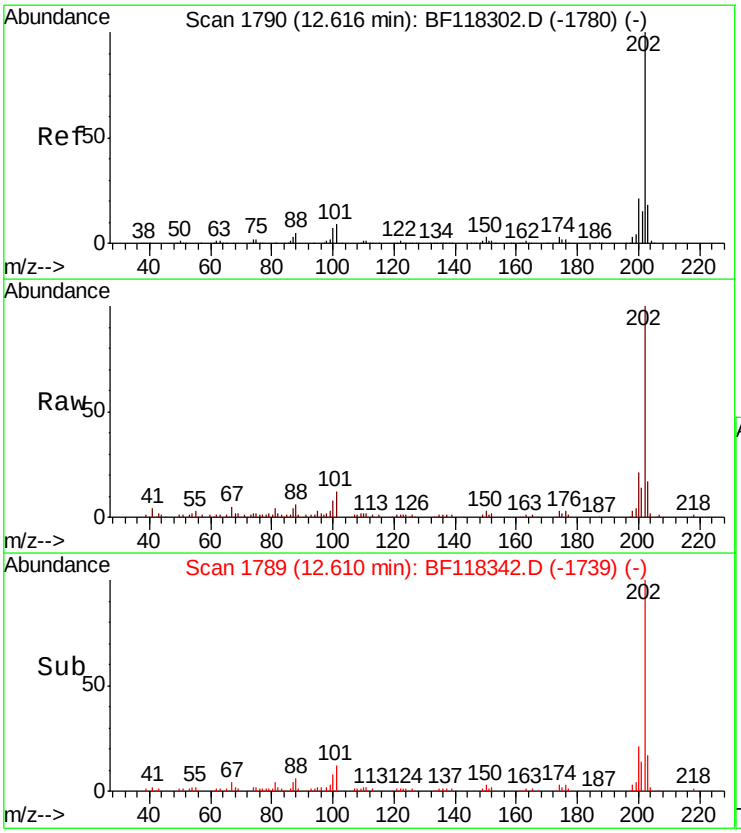

#67
4-Bromophenyl-phenylether
Concen: 4.262 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:248 Resp: 28932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.5 | 76.4 | 114.6# |
| 141 | 515.6 | 60.2 | 90.2# |

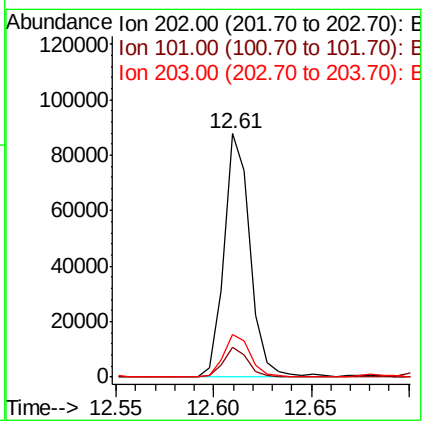


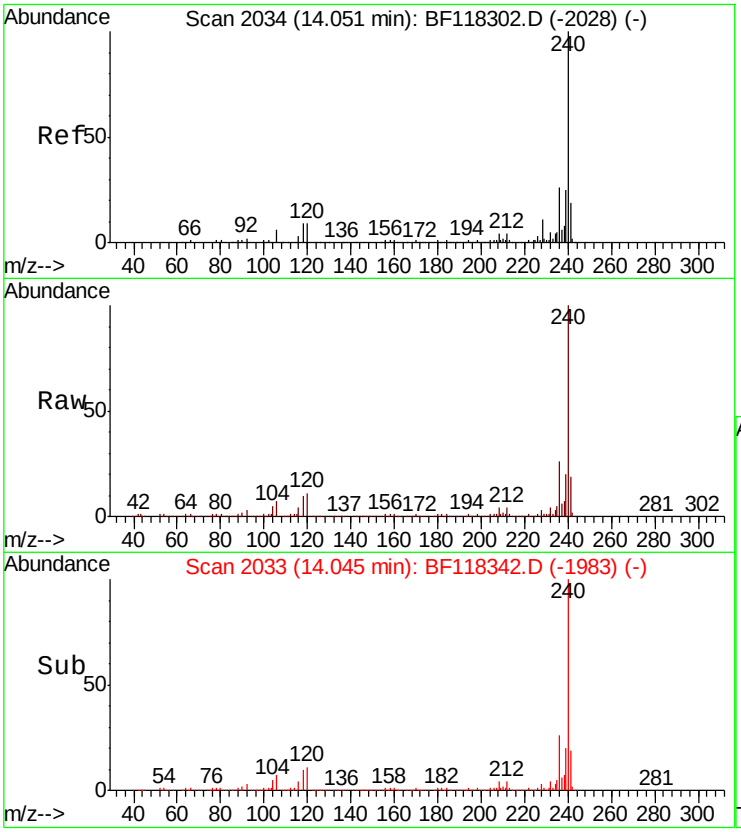




#75
Fluoranthene
Concen: 2.538 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:202 Resp: 81001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 0.0 | 29.5 |
| 203 | 17.3 | 0.0 | 37.6 |



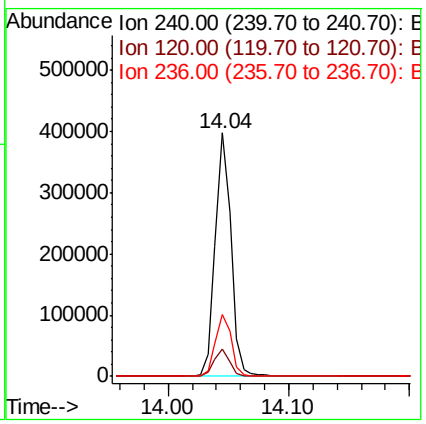


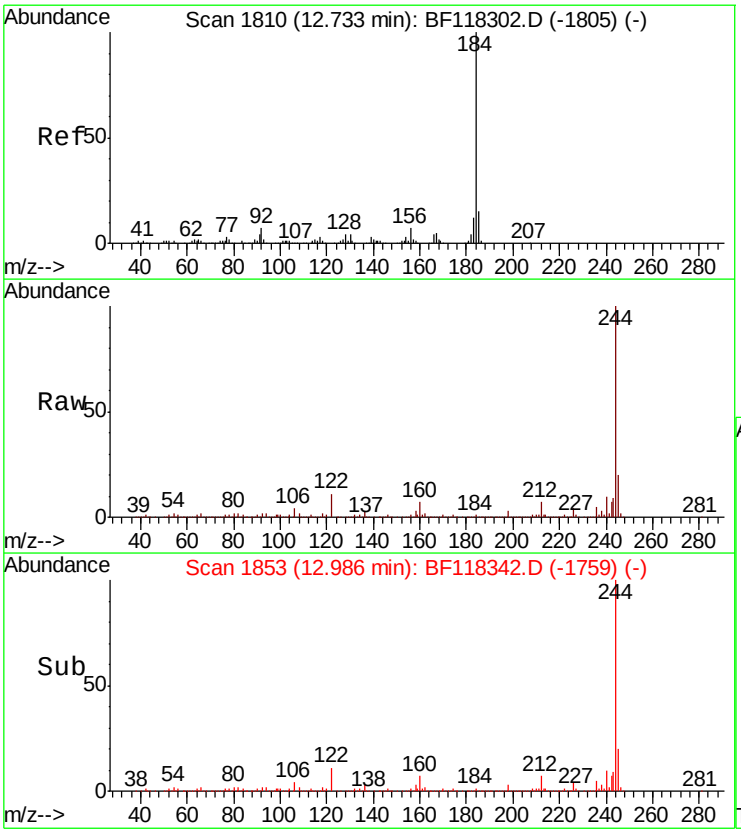

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:240 Resp: 354898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 7.1 | 10.7# |
| 236 | 25.5 | 21.0 | 31.6 |

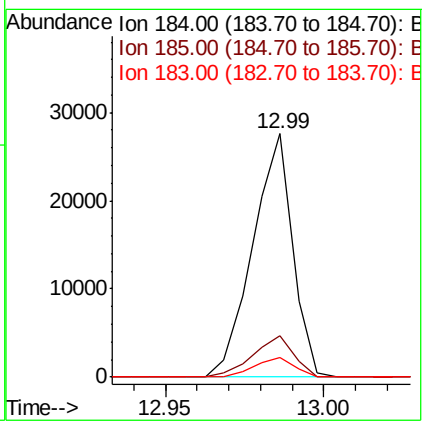


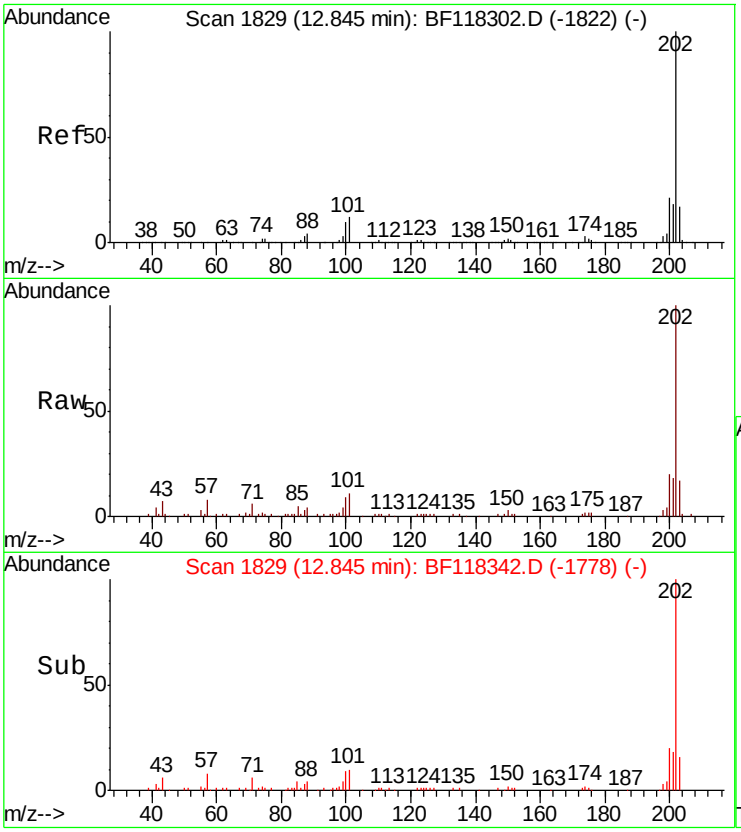




#77
Benzidine
Concen: 2.484 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.25 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:184 Resp: 24157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.8 | 12.3 | 18.5 |
| 183 | 7.9 | 9.4 | 14.2# |



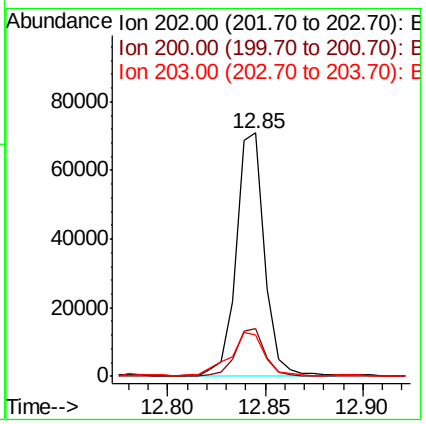


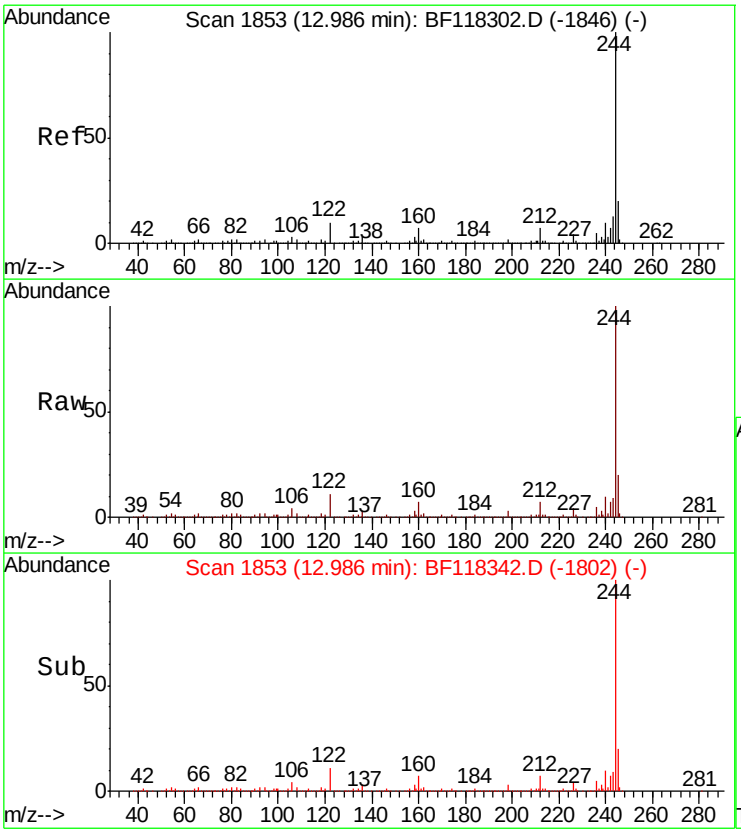

#78
Pyrene
Concen: 2.464 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:202 Resp: 71404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 16.8 | 25.2 |
| 203 | 16.9 | 13.9 | 20.9 |

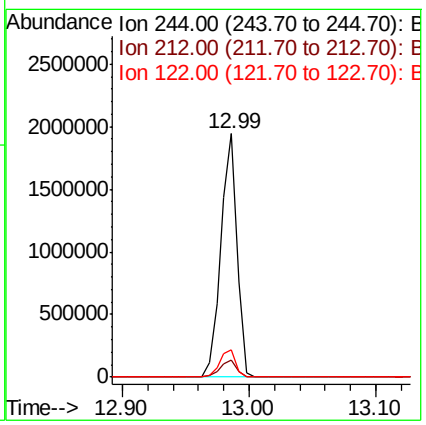


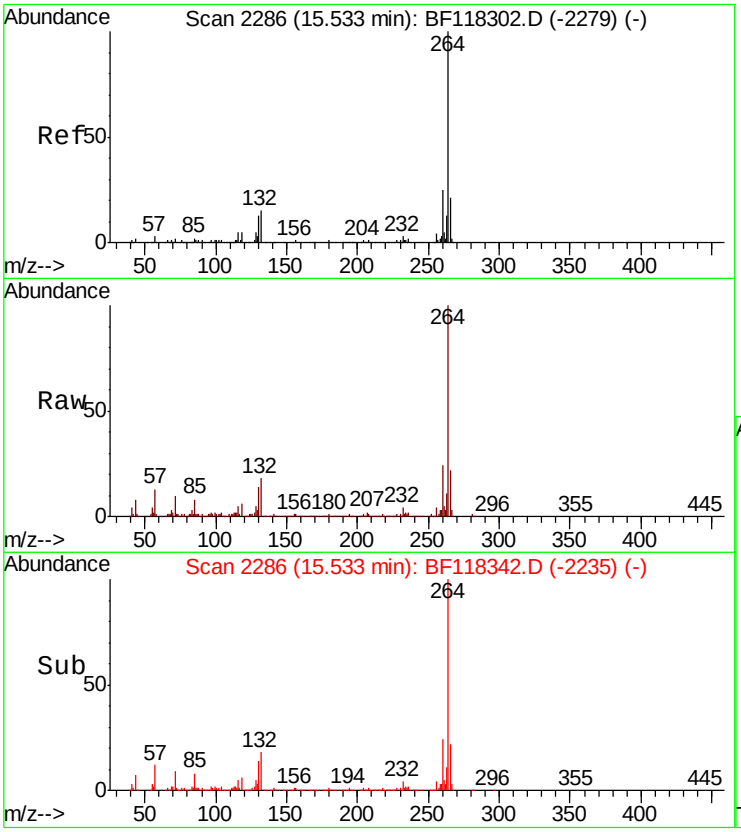




#79
Terphenyl-d14
Concen: 80.975 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:244 Resp: 1732209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.2 |
| 122 | 11.3 | 7.8 | 11.8 |



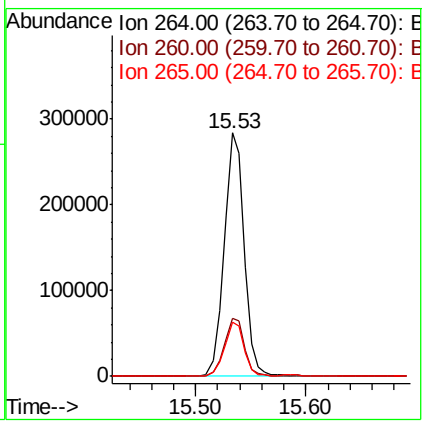


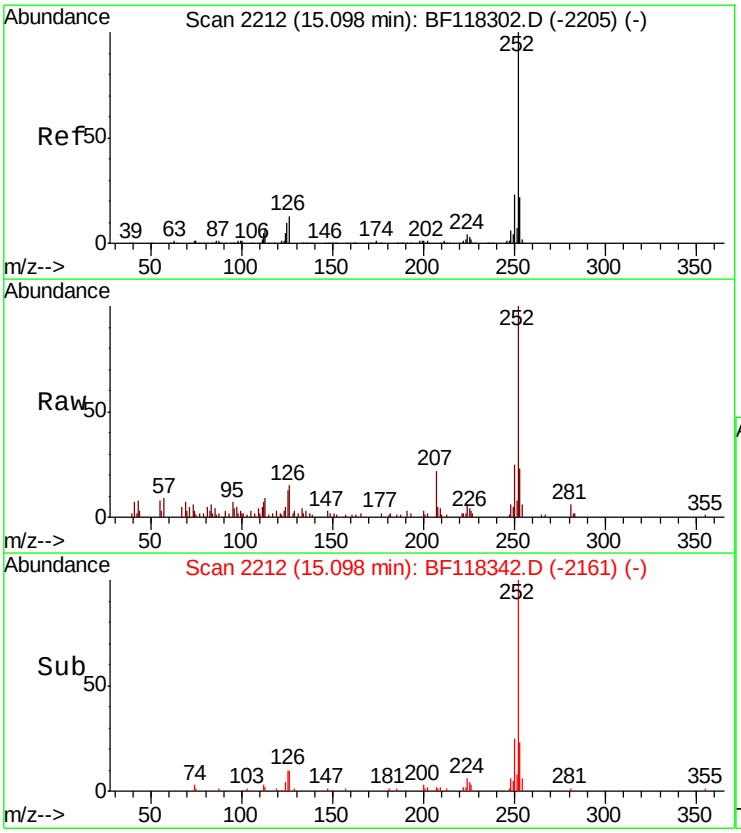

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:264 Resp: 360937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.8 | 29.6 |
| 265 | 22.4 | 17.0 | 25.4 |

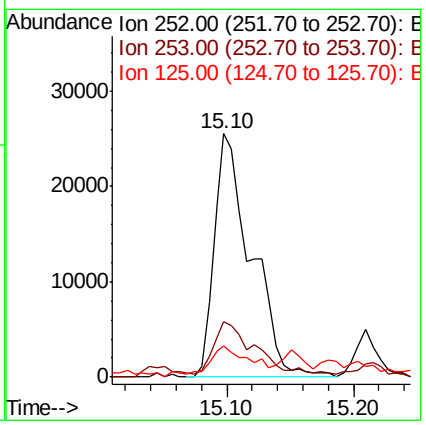


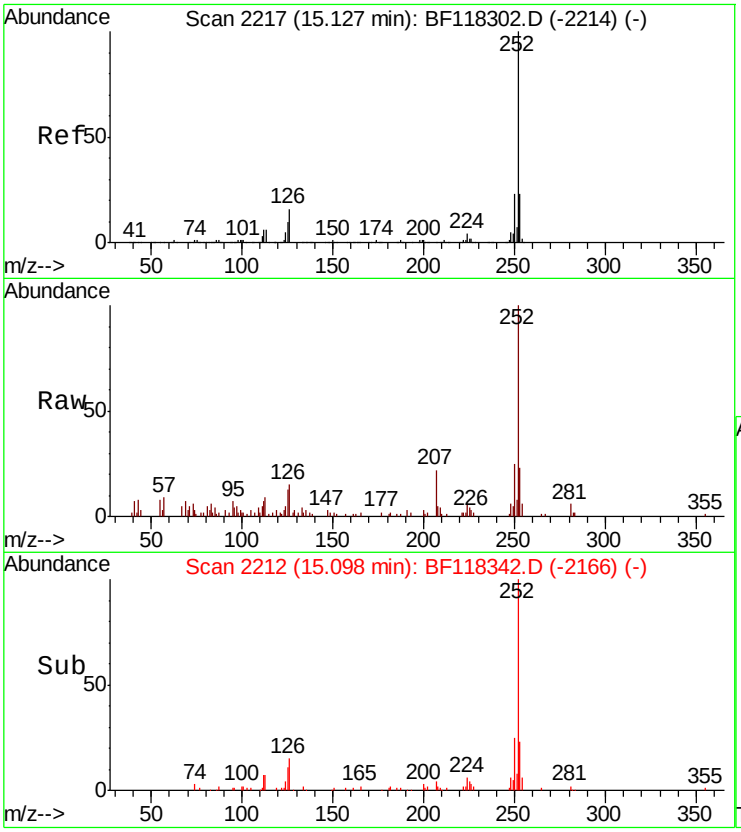




#88
Benzo(b)fluoranthene
Concen: 2.172 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

Tgt Ion:252 Resp: 52035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.5 | 26.3 |
| 125 | 12.8 | 7.7 | 11.5# |






#89
Benzo(k)fluoranthene
Concen: 2.262 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118342.D
Acq: 27 Dec 2019 17:14

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

Tgt Ion:252 Resp: 52035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.0 | 27.0 |
| 125 | 12.8 | 8.0 | 12.0# |