Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118615.D
Acq On : 21 Jan 2020 2:26
Operator : CG/JU
Sample : L1190-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jan 21 03:17:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 461507 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 1555755 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 736473 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 1116884 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.04 | 240 | 874918 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.52 | 264 | 755907 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 2365769 | 95.21 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 3048665 | 94.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1819129 | 65.40 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 692024 | 81.24 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.24 | 172 | 2553751 | 56.99 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 2235052 | 55.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.52 | 94 | 140547 | 3.819 | ng | | 99 |
| 25) Isophorone | 7.44 | 82 | 1811836 | 35.714 | ng | # | 64 |
| 35) Caprolactam | 8.60 | 113 | 18636 | 2.456 | ng | # | 1 |
| 50) Dimethylphthalate | 9.63 | 163 | 289330 | 6.030 | ng | # | 94 |
| 67) 4-Bromophenyl-phenylether | 10.71 | 248 | 40964 | 2.969 | ng | # | 1 |
| 71) Phenanthrene | 11.43 | 178 | 111912 | 2.077 | ng | | 94 |
| 72) Anthracene | 11.43 | 178 | 111912 | 2.099 | ng | | 95 |
| 75) Fluoranthene | 12.62 | 202 | 233479 | 4.108 | ng | | 94 |
| 78) Pyrene | 12.84 | 202 | 256338 | 4.316 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.03 | 228 | 144584 | 2.747 | ng | | 96 |
| 83) Chrysene | 14.07 | 228 | 132101 | 2.619 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.09 | 252 | 227818 | 4.795 | ng | # | 84 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 227818 | 5.175 | ng | # | 85 |
| 90) Benzo(a)pyrene | 15.46 | 252 | 126446 | 3.085 | ng | # | 88 |
| 92) Benzo(g,h,i)perylene | 17.44 | 276 | 83262 | 2.365 | ng | # | 90 |

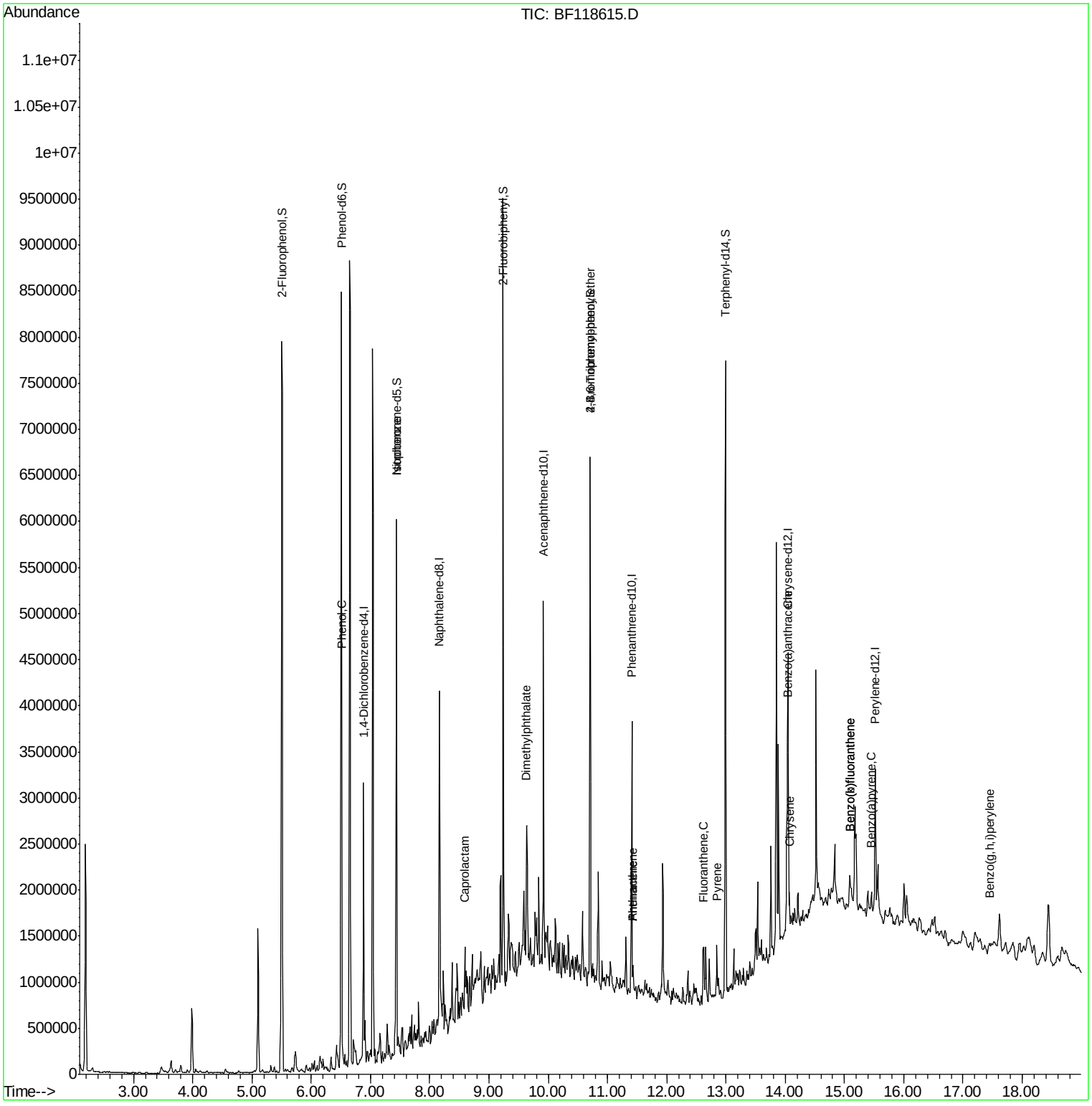
(#) = qualifier out of range (m) = manual integration (+) = signals summed

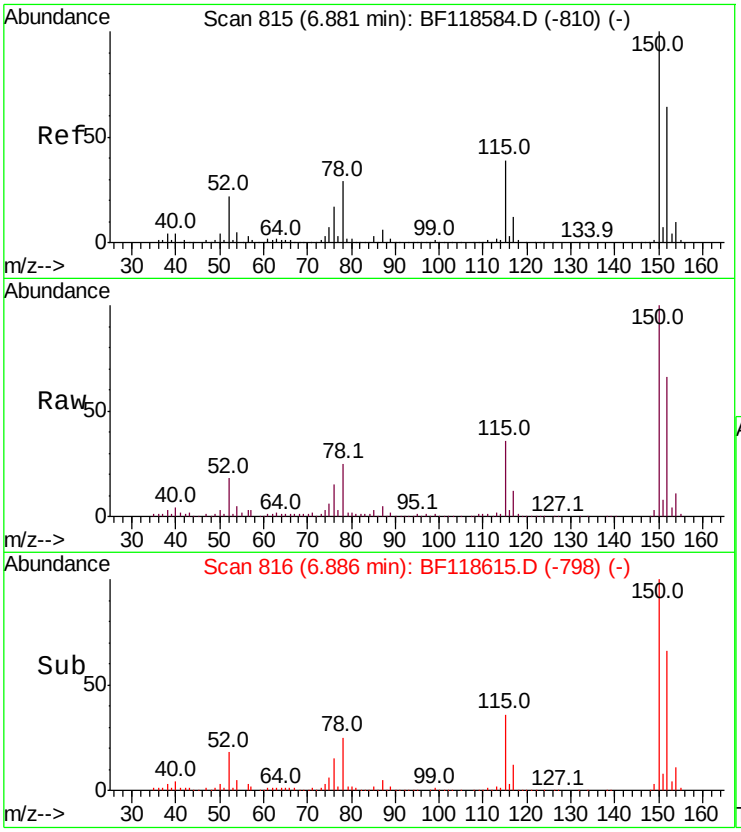
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118615.D
Acq On : 21 Jan 2020 2:26
Operator : CG/JU
Sample : L1190-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jan 21 03:17:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration



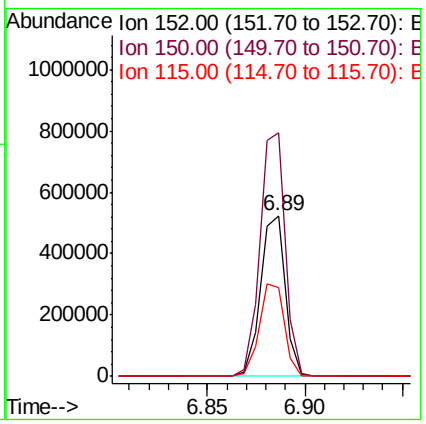


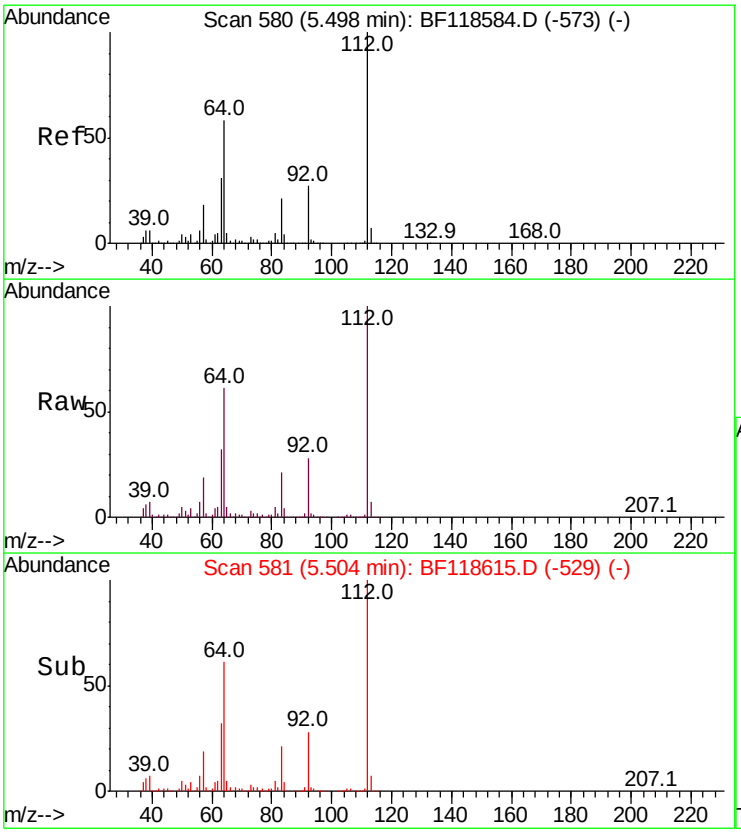

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:152 Resp: 461507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 125.6 | 188.4 |
| 115 | 55.0 | 48.4 | 72.6 |

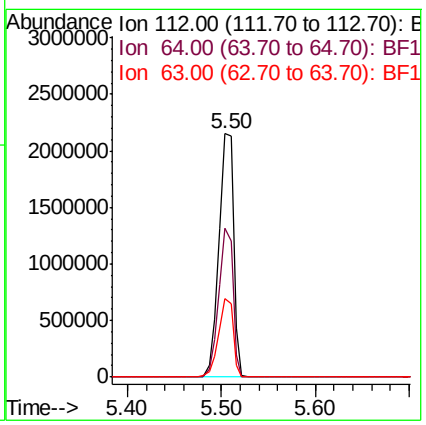


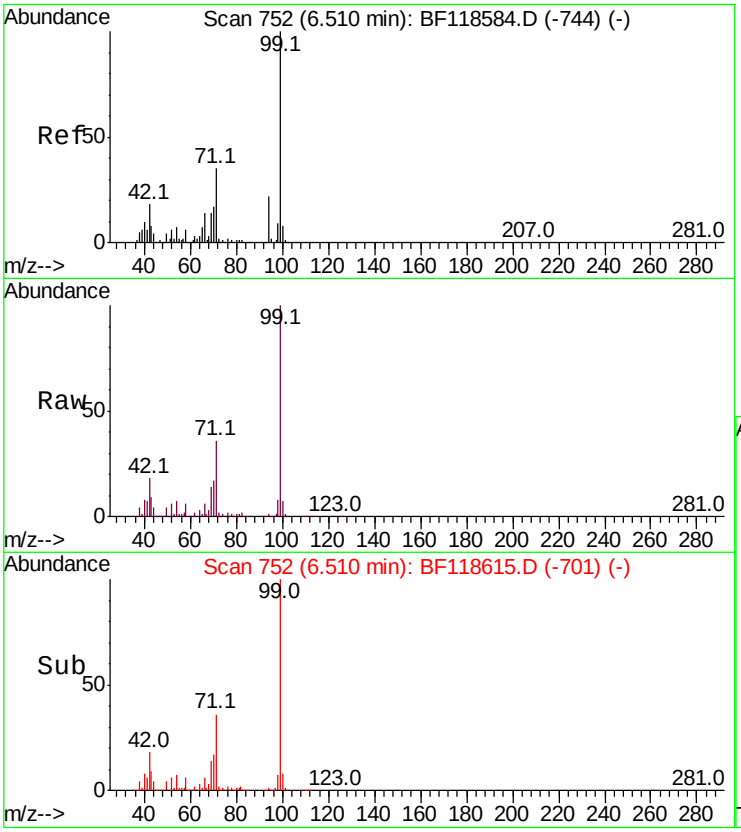




#5
2-Fluorophenol
Concen: 95.206 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:112 Resp: 2365769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.0 | 46.6 | 70.0 |
| 63 | 32.3 | 25.1 | 37.7 |



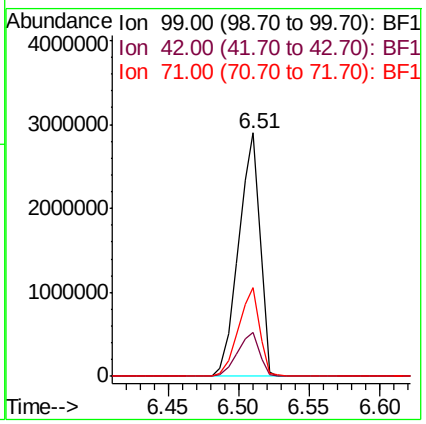


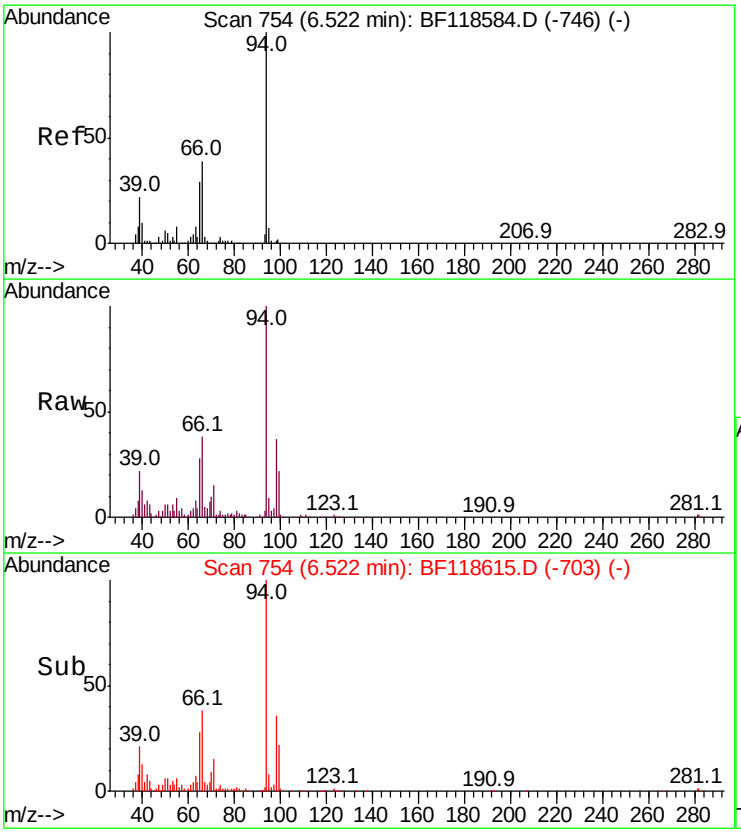

#7
Phenol-d6
Concen: 94.394 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion: 99 Resp: 3048665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 14.2 | 21.2 |
| 71 | 36.3 | 27.8 | 41.6 |

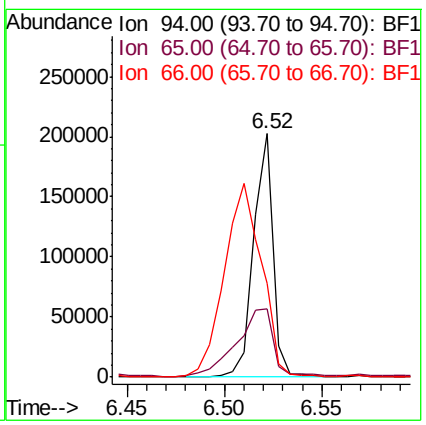


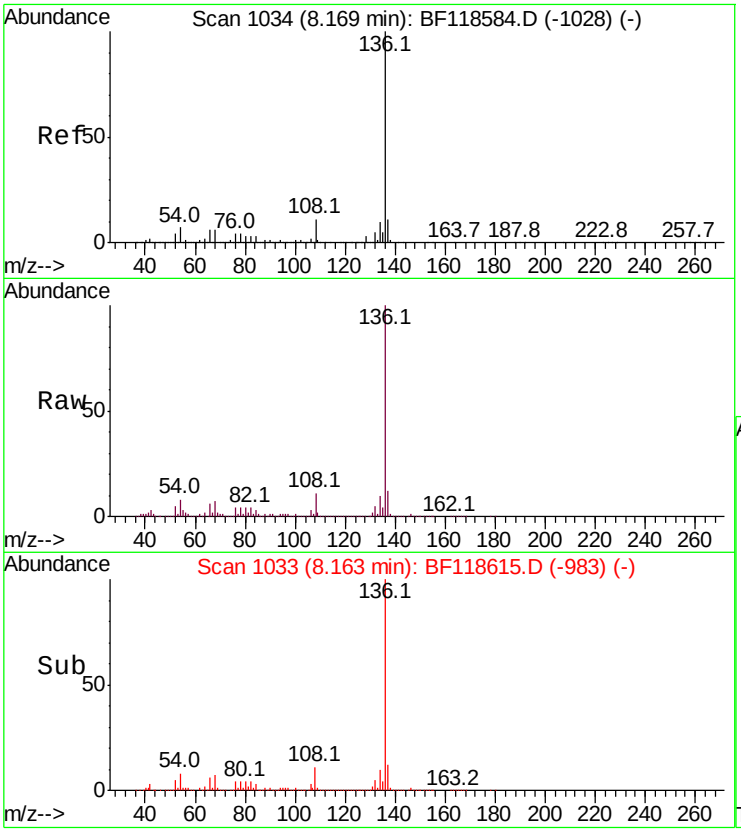




#10
Phenol
Concen: 3.819 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion: 94 Resp: 140547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.2 | 9.5 | 49.5 |
| 66 | 38.4 | 18.5 | 58.5 |

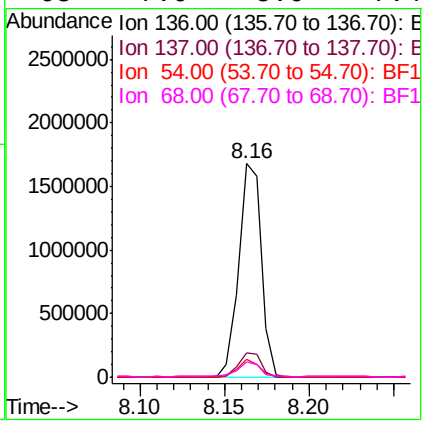




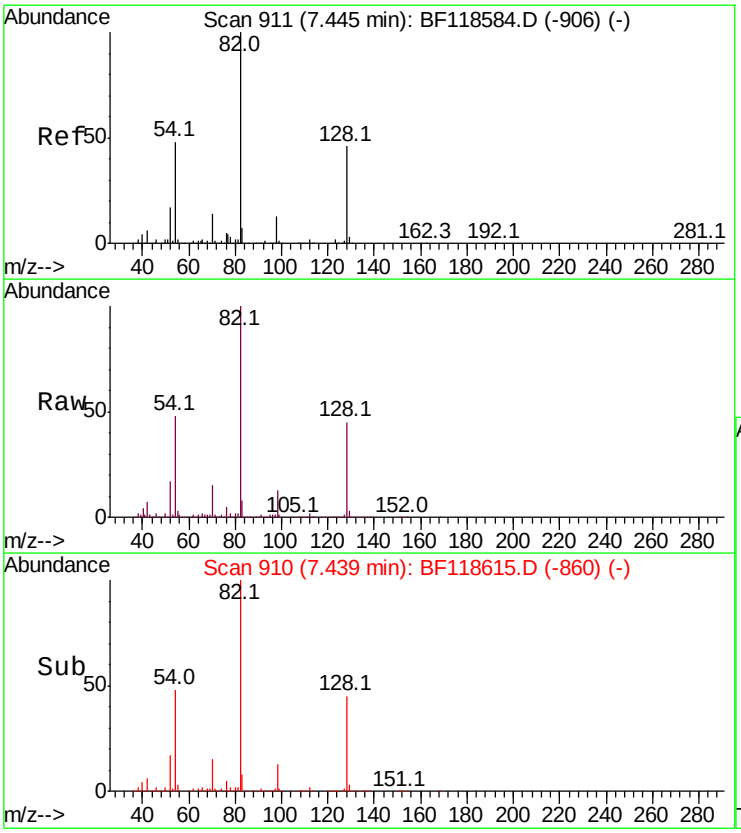

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:136 Resp: 1555755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 9.1 | 13.7 |
| 54 | 8.2 | 5.8 | 8.6 |
| 68 | 7.0 | 5.0 | 7.4 |



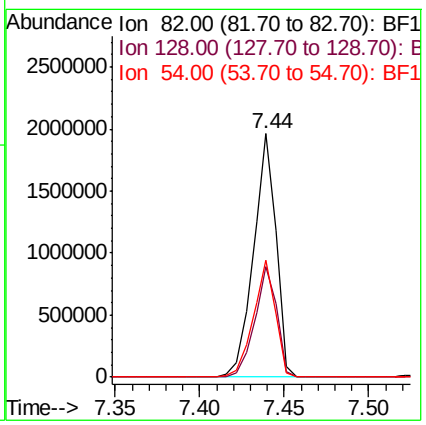

**Instrument :**
BNA_F
**ClientSampleId :**

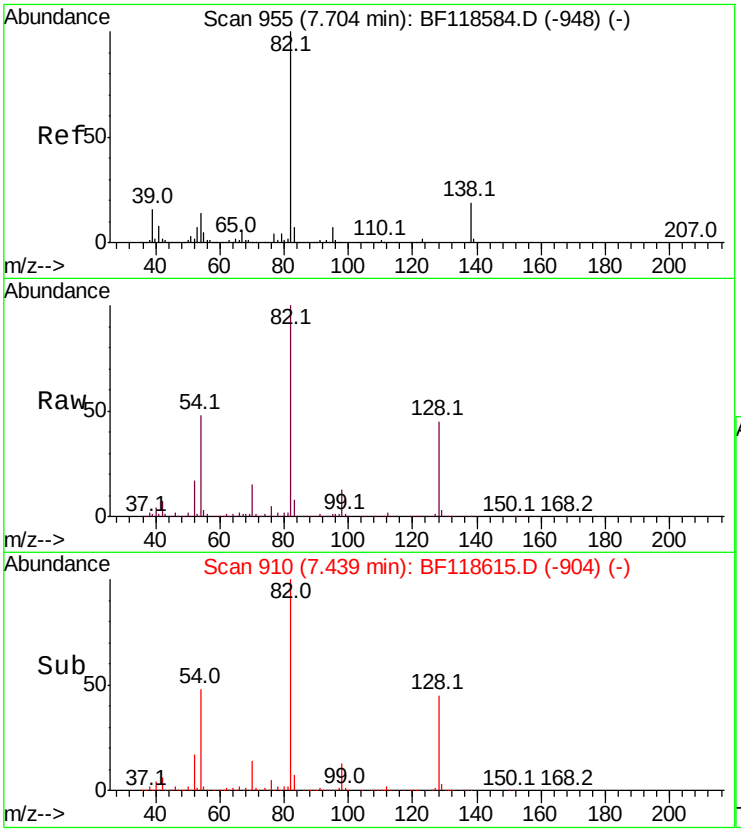



#23
Nitrobenzene-d5
Concen: 65.403 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion: 82 Resp: 1819129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 36.6 | 54.8 |
| 54 | 47.9 | 38.0 | 57.0 |



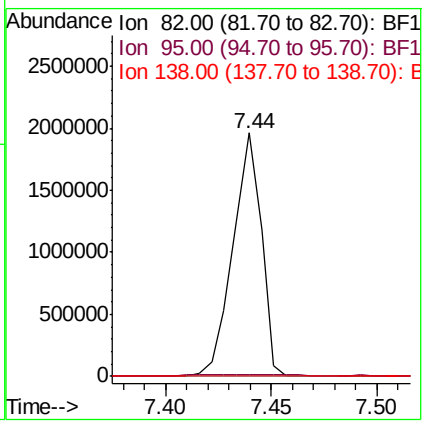


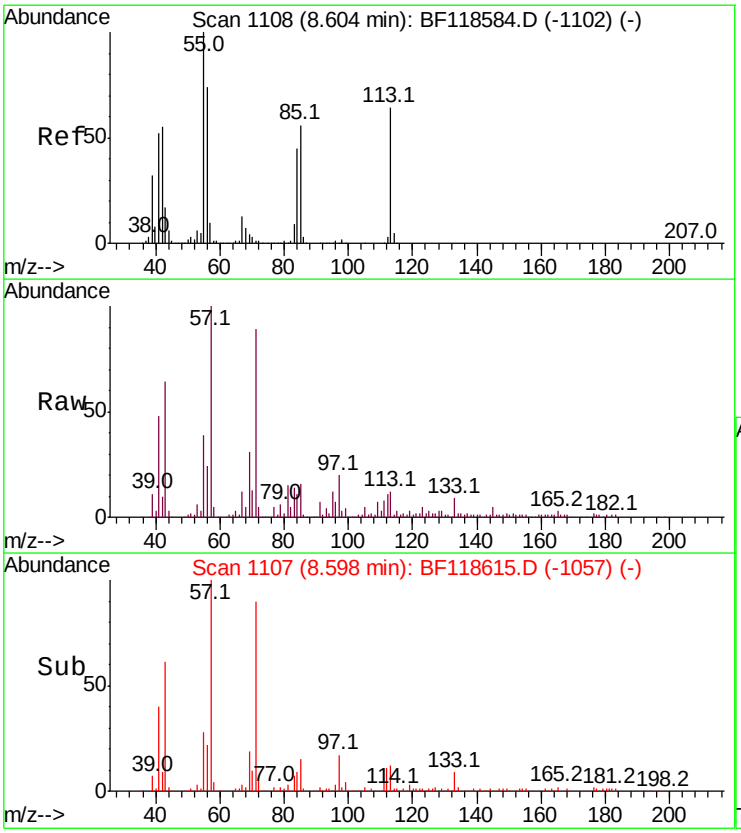

#25
Isophorone
Concen: 35.714 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion: 82 Resp: 1811836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.5 | 5.9 | 8.9# |
| 138 | 0.0 | 15.3 | 22.9# |

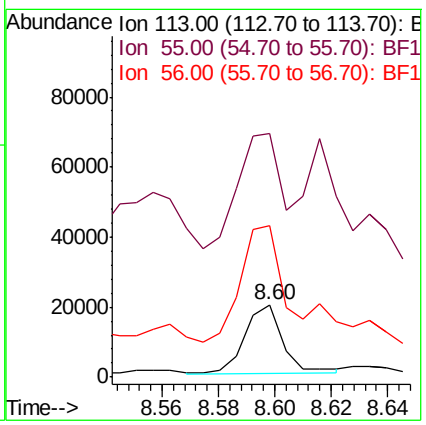


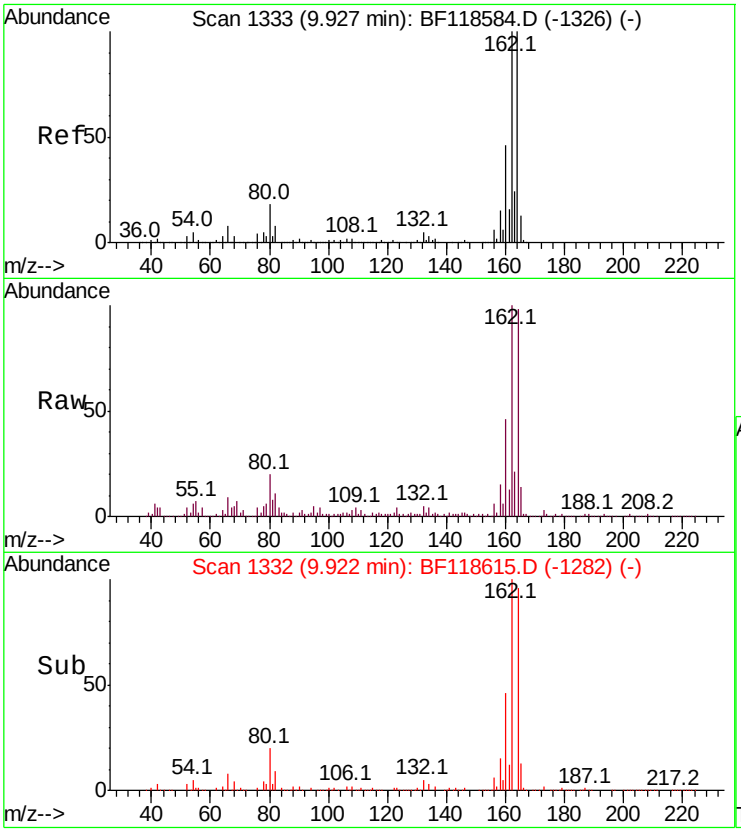




#35
Caprolactam
Concen: 2.456 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:113 Resp: 18636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 335.3 | 136.1 | 176.1# |
| 56 | 209.4 | 95.2 | 135.2# |



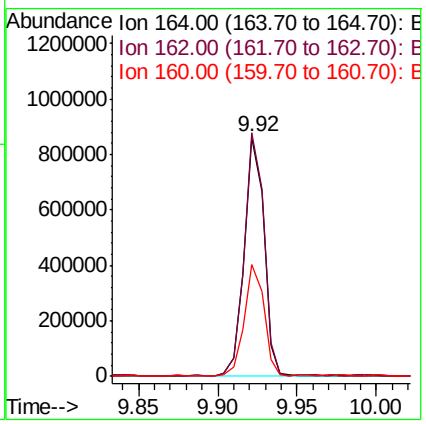


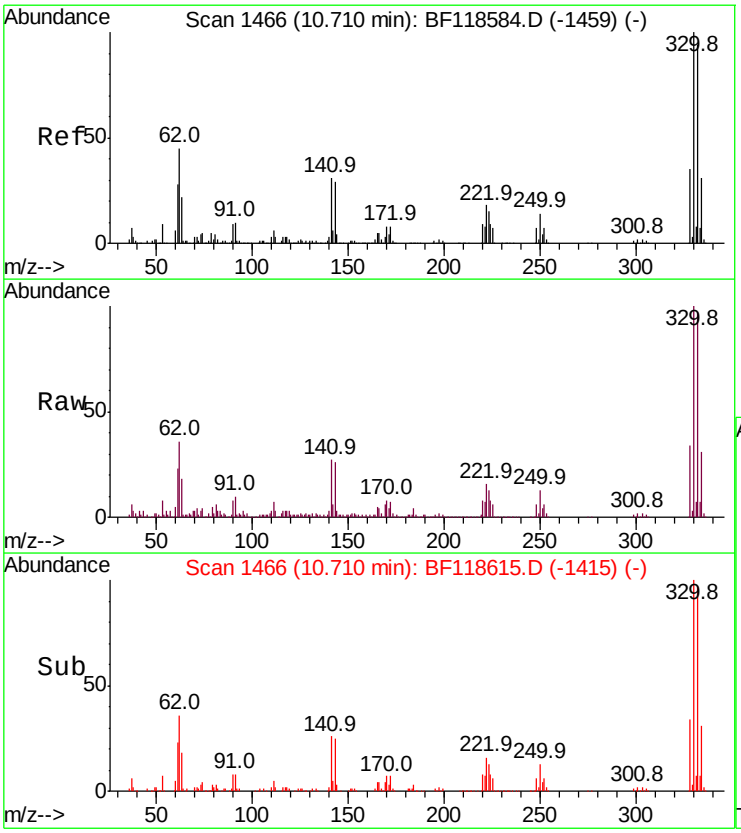

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:164 Resp: 736473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 80.4 | 120.6 |
| 160 | 47.0 | 36.6 | 55.0 |

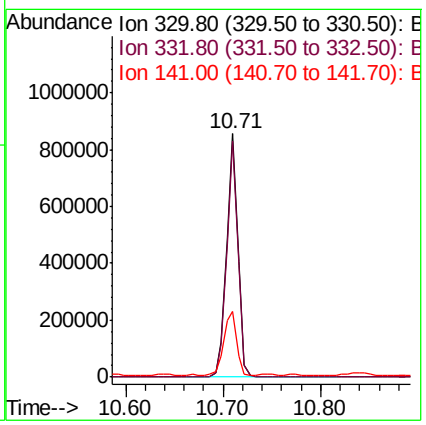


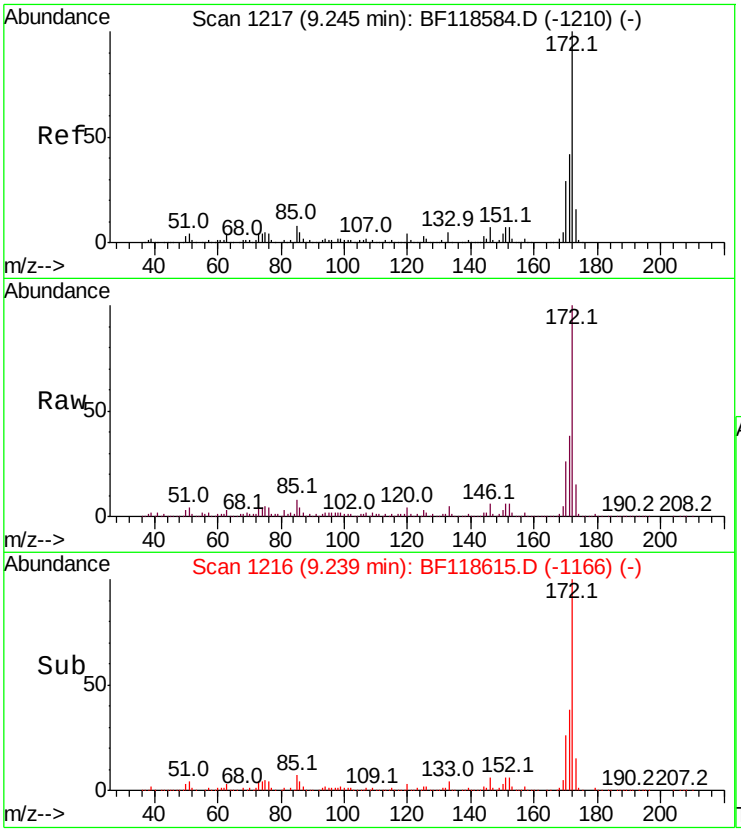




#42
2,4,6-Tribromophenol
Concen: 81.240 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:330 Resp: 692024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.2 | 114.4 |
| 141 | 30.3 | 23.9 | 35.9 |



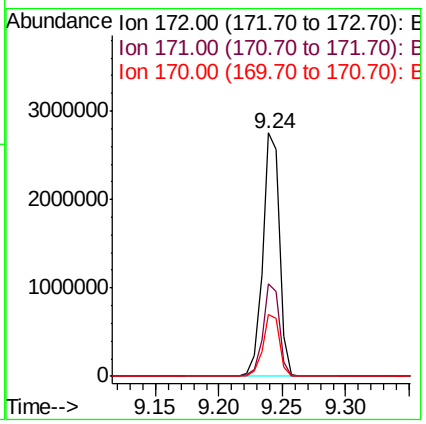


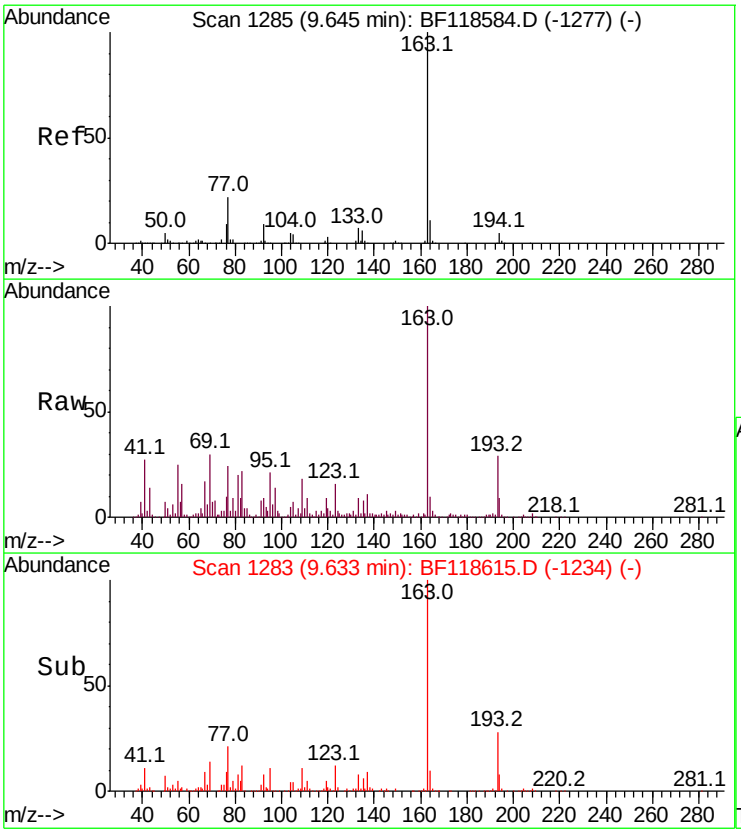

#45
2-Fluorobiphenyl
Concen: 56.993 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:172 Resp: 2553751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.8 | 33.4 | 50.2 |
| 170 | 25.5 | 23.2 | 34.8 |

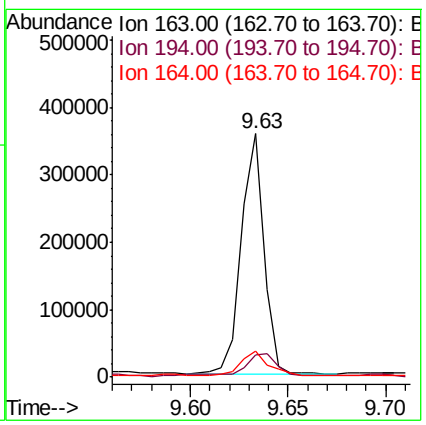


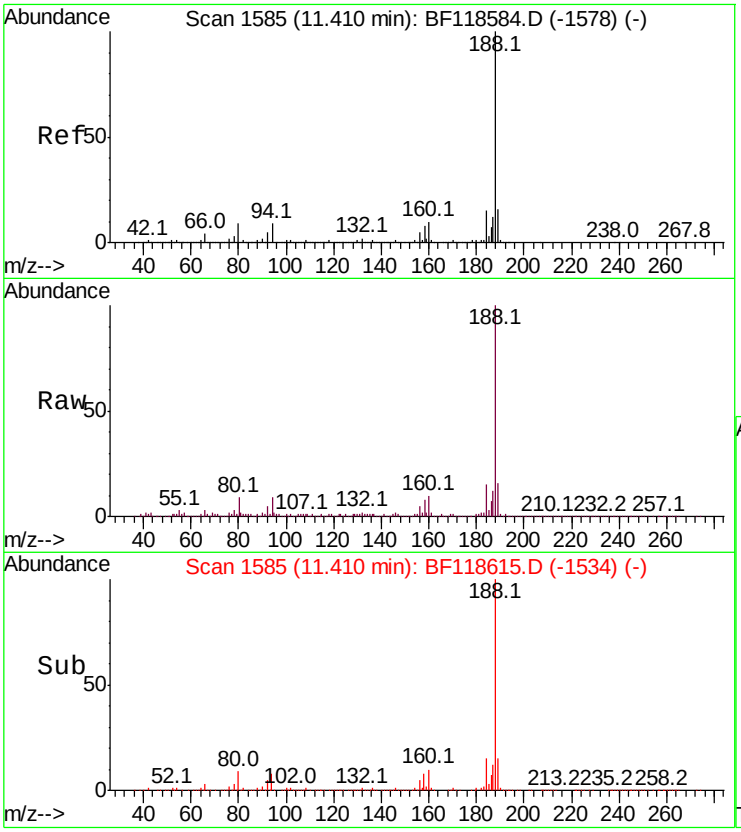




#50
Dimethylphthalate
Concen: 6.030 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:163 Resp: 289330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 9.1 | 3.9 | 5.9# |
| 164 | 10.5 | 9.1 | 13.7 |



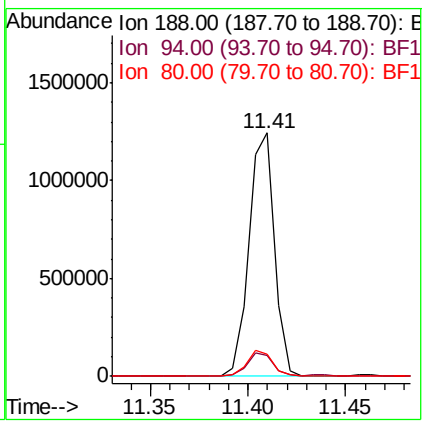


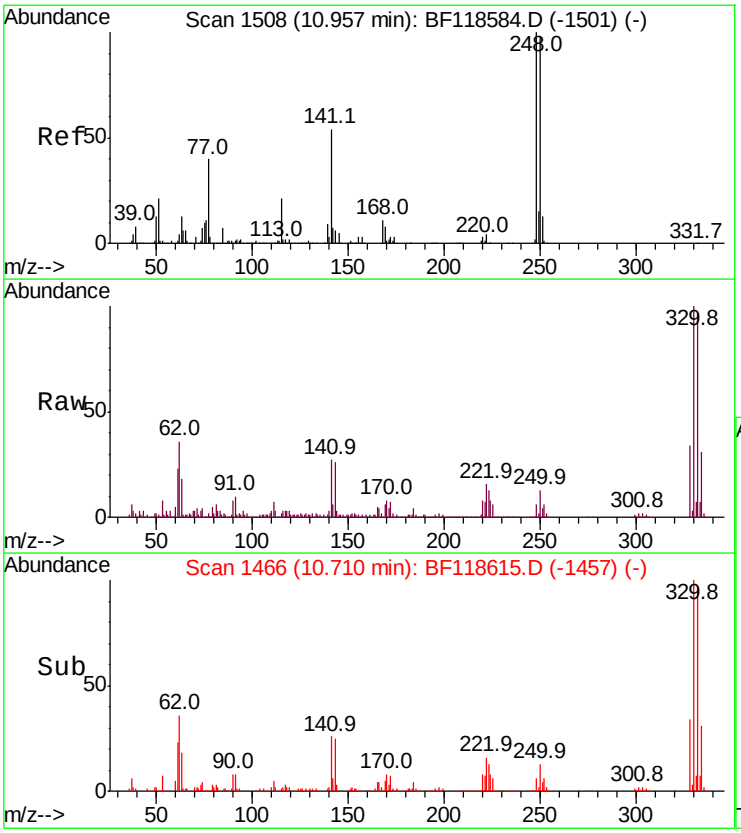

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:188 Resp: 1116884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 7.1 | 10.7 |
| 80 | 9.0 | 7.5 | 11.3 |

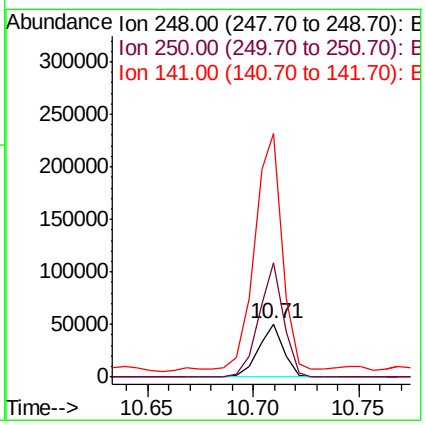


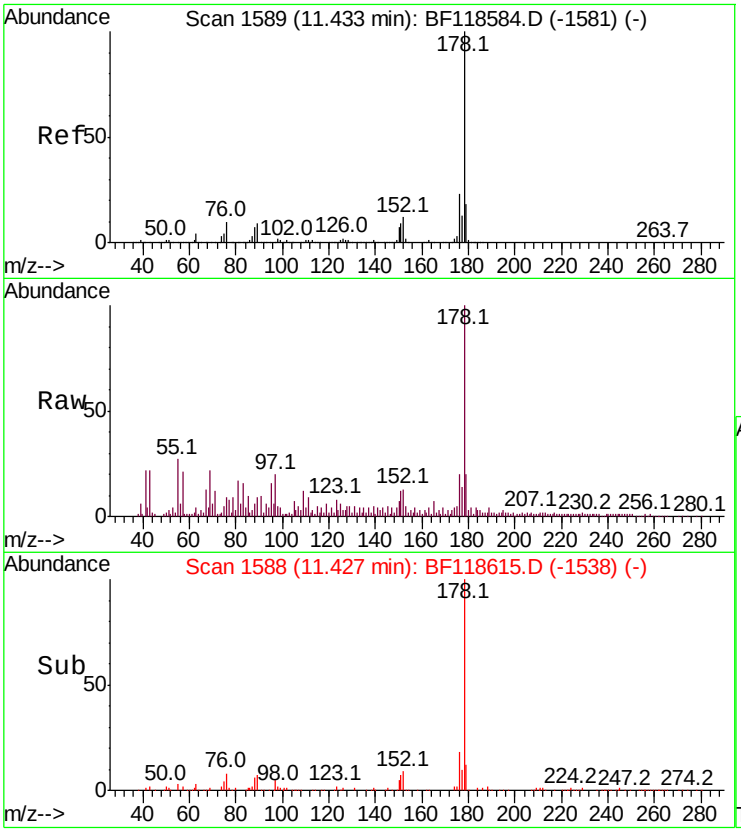




#67
4-Bromophenyl-phenylether
Concen: 2.969 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:248 Resp: 40964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 213.6 | 78.7 | 118.1# |
| 141 | 457.0 | 43.2 | 64.8# |



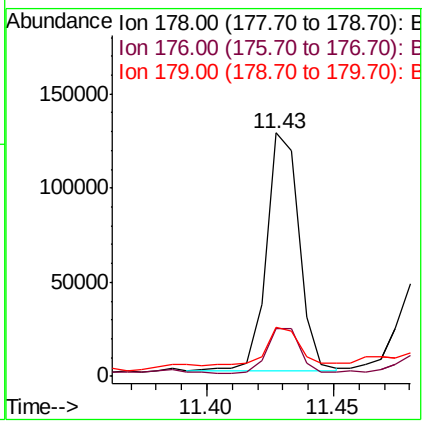


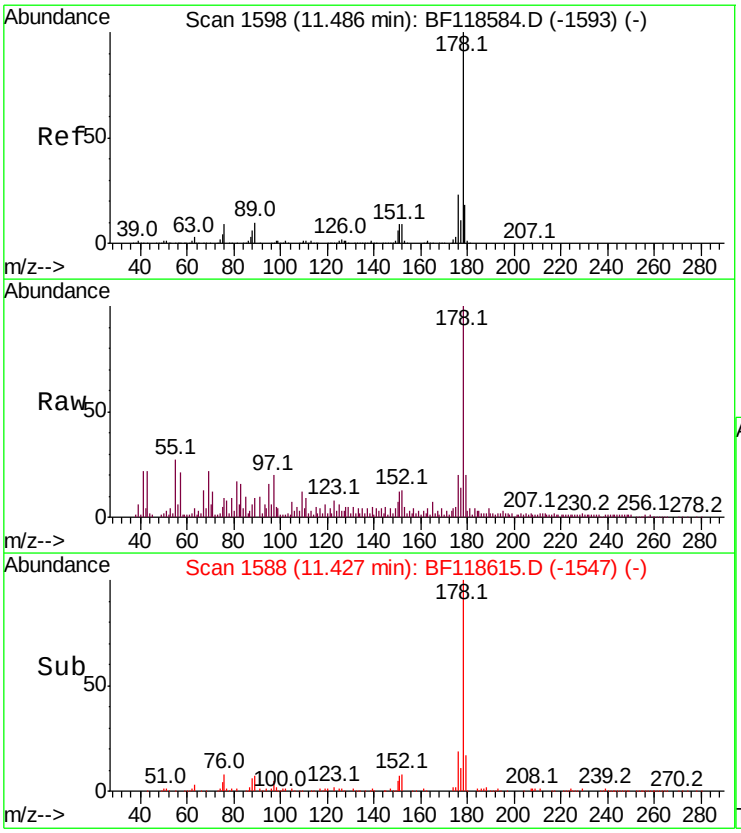

#71
Phenanthrene
Concen: 2.077 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:178 Resp: 111912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 18.6 | 27.8 |
| 179 | 20.3 | 14.7 | 22.1 |

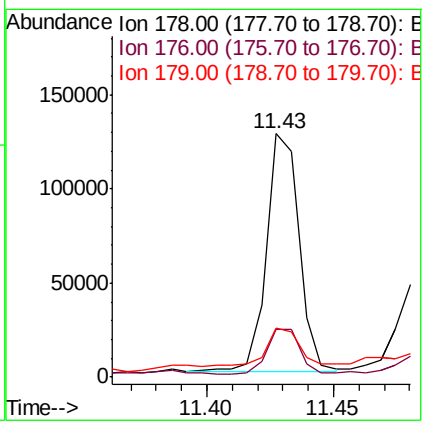


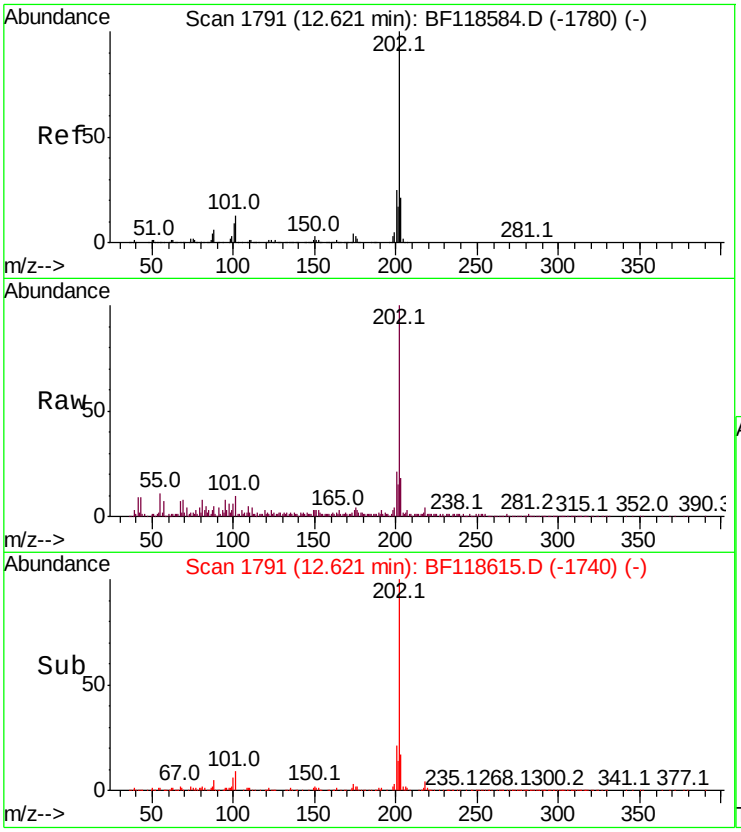




#72
Anthracene
Concen: 2.099 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.06 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:178 Resp: 111912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 18.0 | 27.0 |
| 179 | 20.3 | 14.7 | 22.1 |



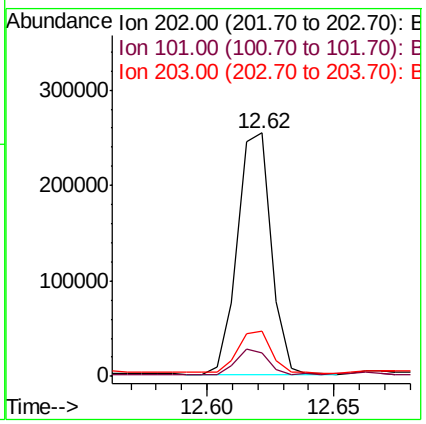


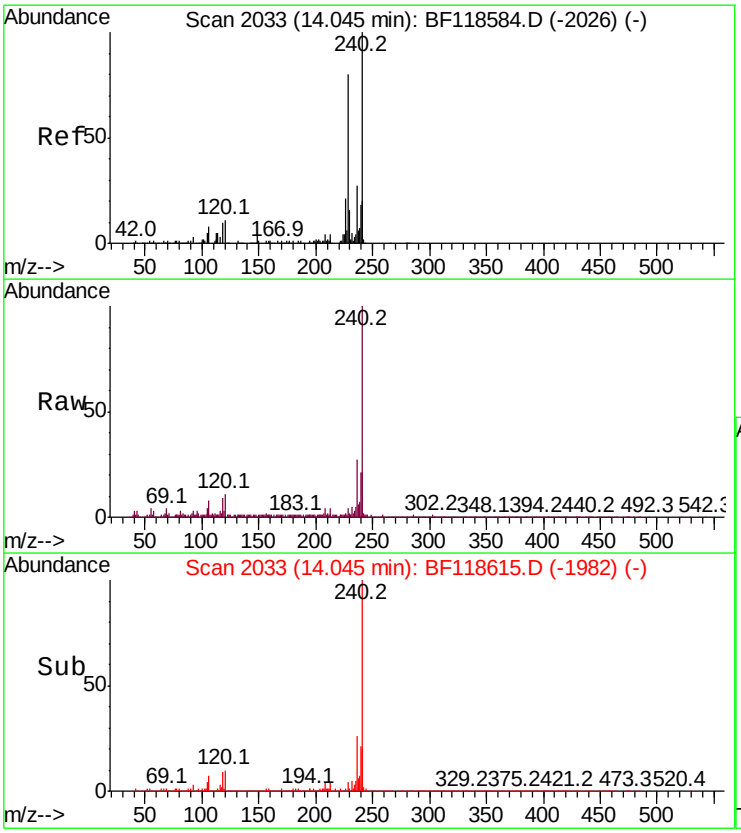

#75
Fluoranthene
Concen: 4.108 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:202 Resp: 233479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 32.5 |
| 203 | 18.5 | 0.8 | 40.8 |

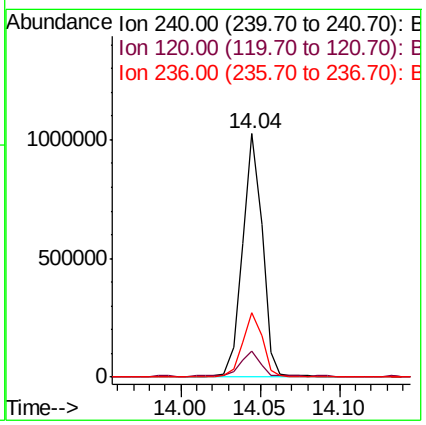


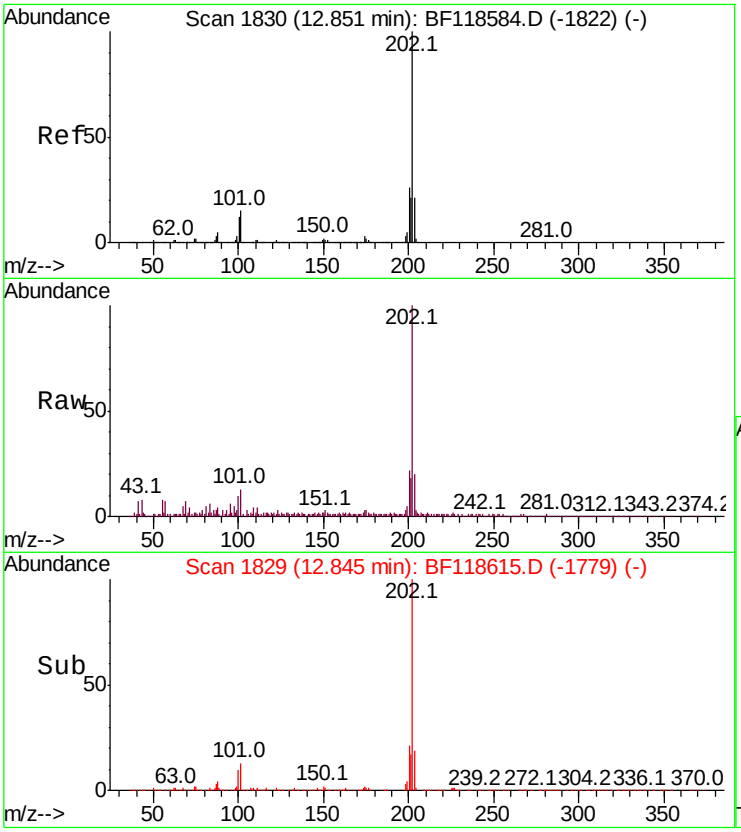




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:240 Resp: 874918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 8.9 | 13.3 |
| 236 | 26.6 | 21.5 | 32.3 |



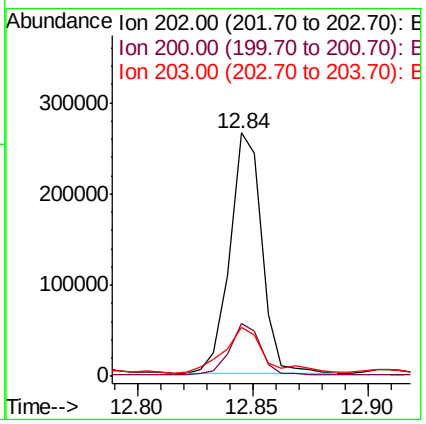


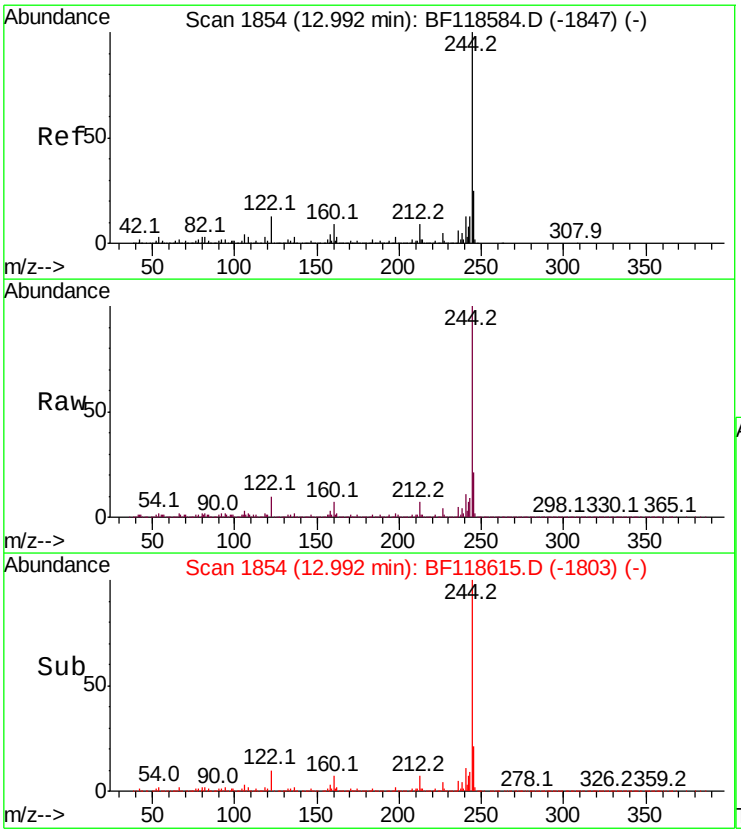

#78
Pyrene
Concen: 4.316 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:202 Resp: 256338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 20.6 | 31.0 |
| 203 | 20.4 | 16.8 | 25.2 |

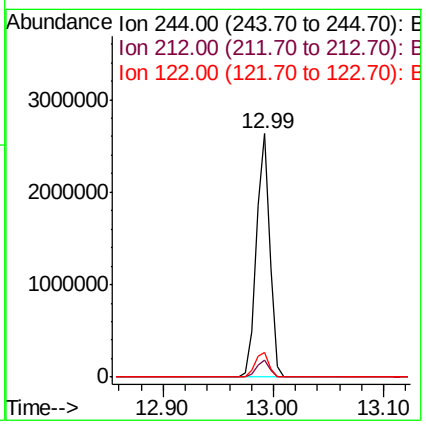


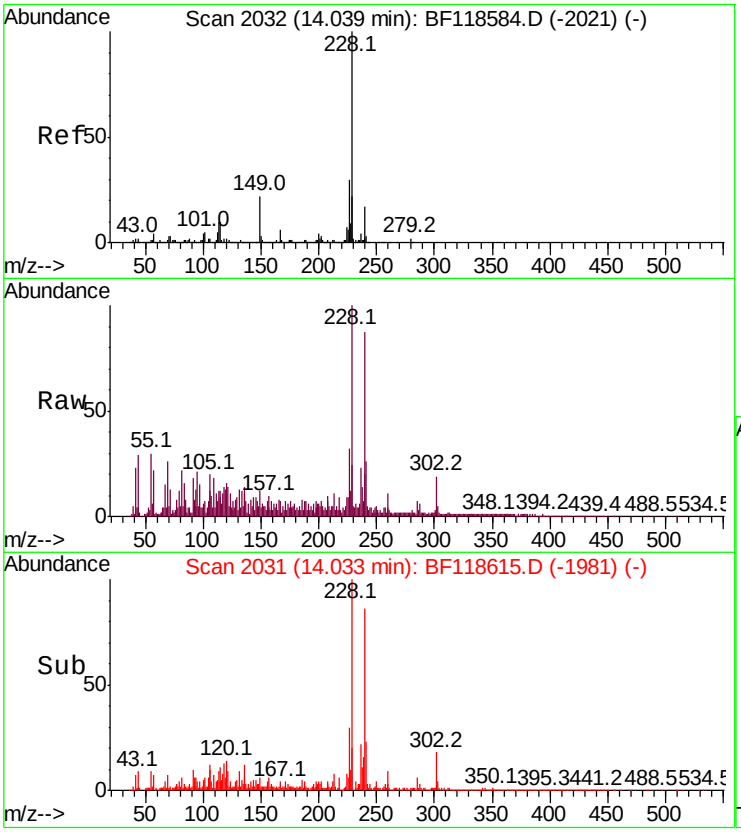




#79
Terphenyl-d14
Concen: 55.718 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:244 Resp: 2235052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 7.0 | 10.4 |
| 122 | 10.1 | 10.7 | 16.1# |



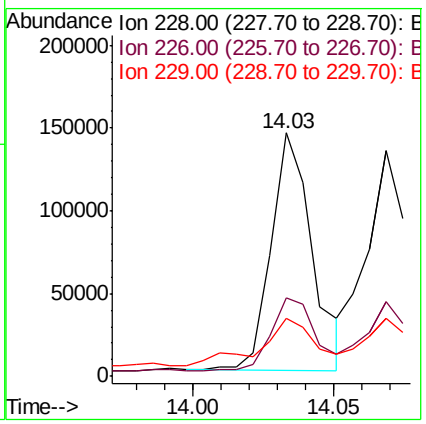


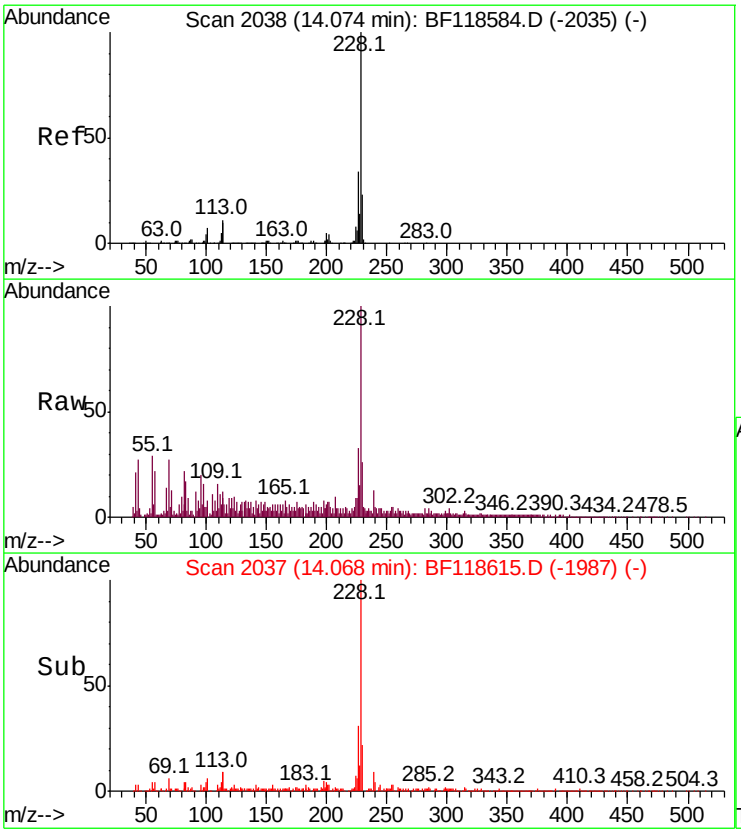

#81
Benzo(a)anthracene
Concen: 2.747 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:228 Resp: 144584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 24.1 | 36.1 |
| 229 | 23.6 | 17.6 | 26.4 |

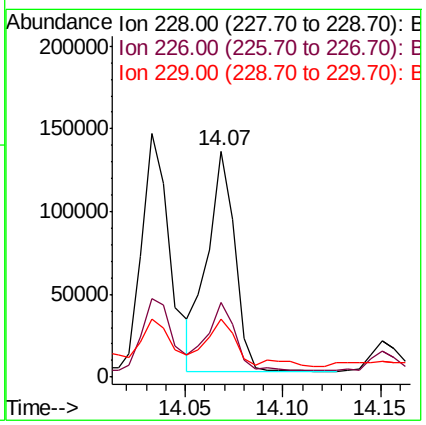


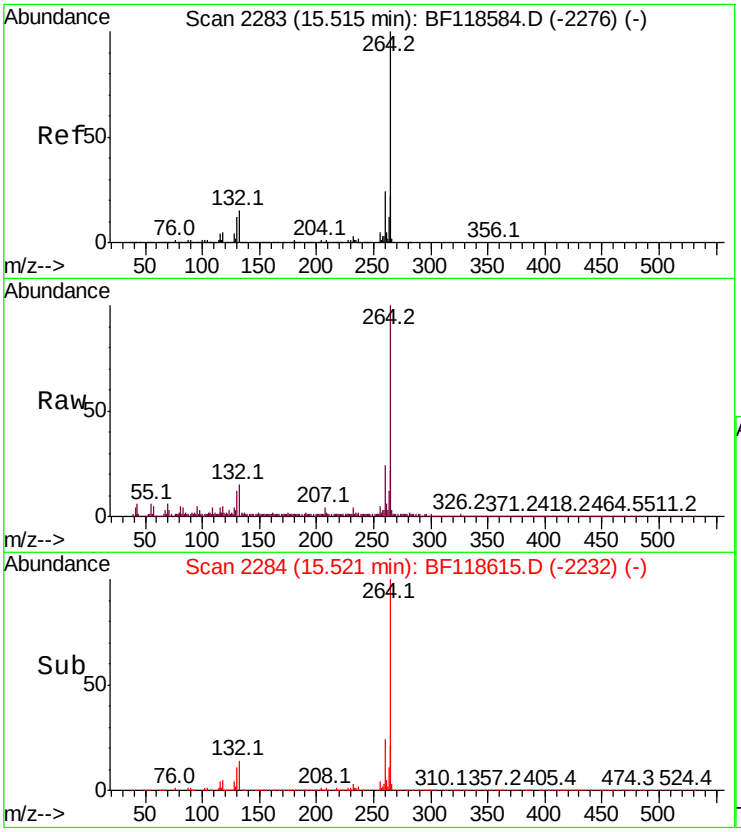




#83
Chrysene
Concen: 2.619 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:228 Resp: 132101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.0 | 27.4 | 41.0 |
| 229 | 25.9 | 18.3 | 27.5 |



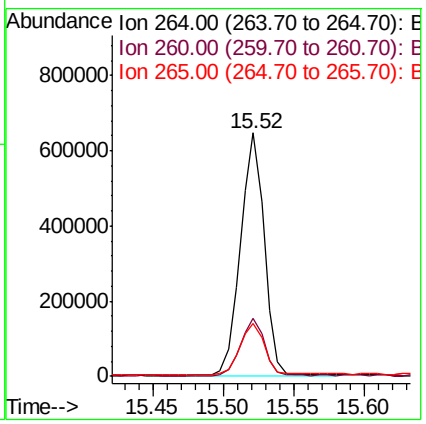


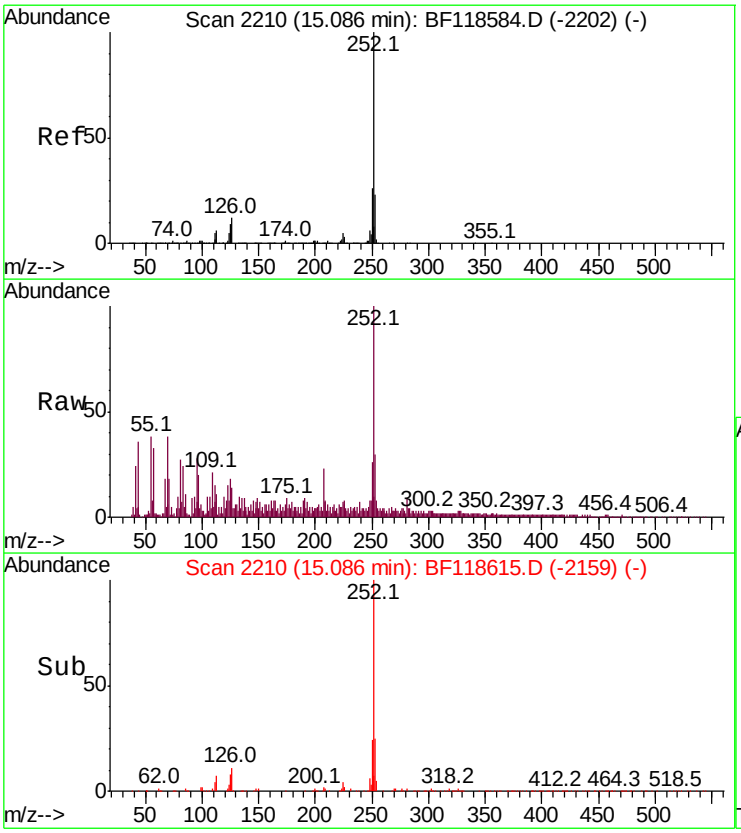

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:264 Resp: 755907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.6 | 29.4 |
| 265 | 21.9 | 17.7 | 26.5 |

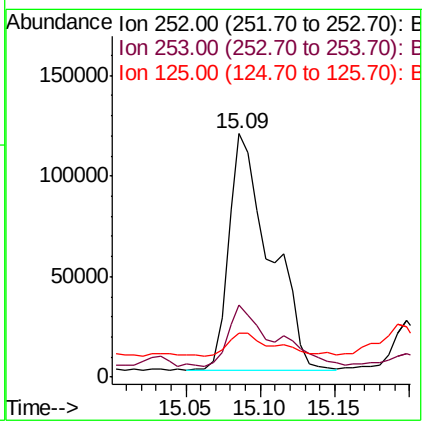


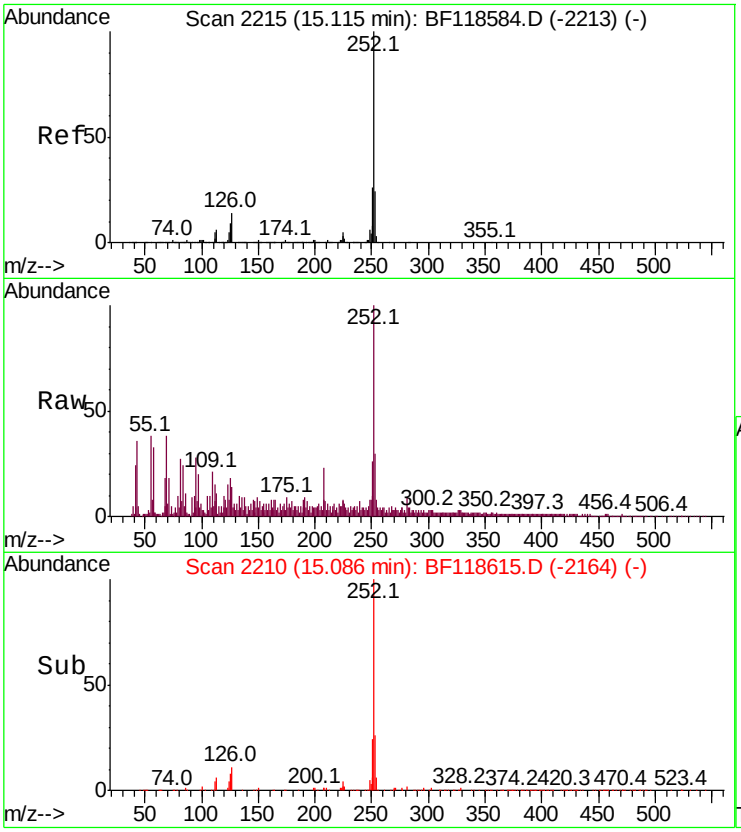




#88
Benzo(b)fluoranthene
Concen: 4.795 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:252 Resp: 227818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.8 | 18.7 | 28.1# |
| 125 | 17.8 | 7.3 | 10.9# |



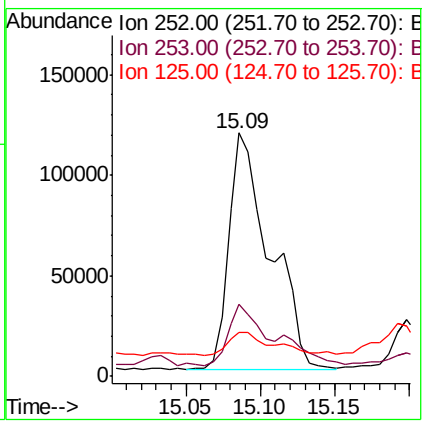


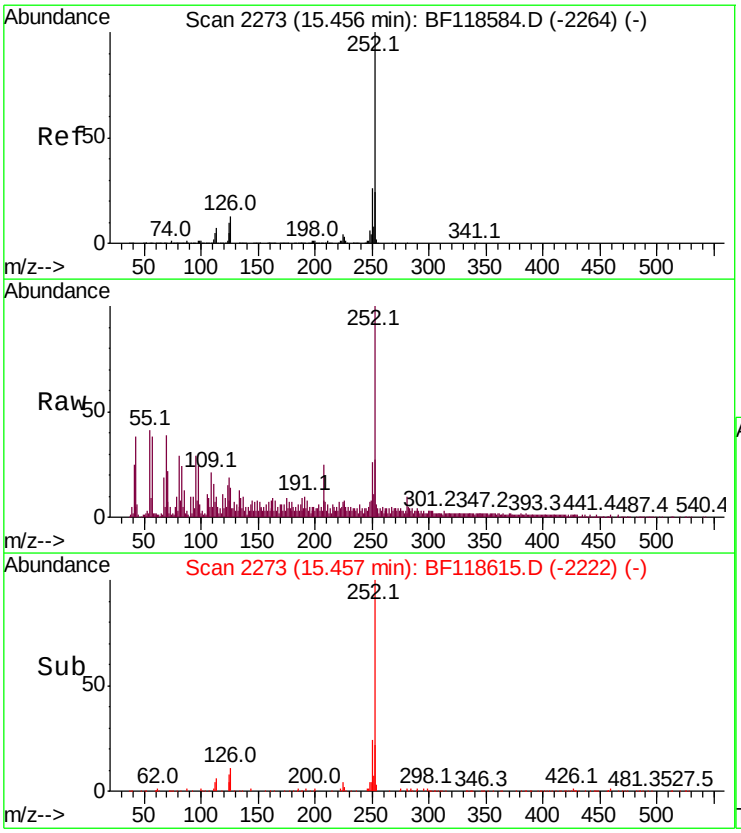

#89
Benzo(k)fluoranthene
Concen: 5.175 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:252 Resp: 227818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.8 | 19.0 | 28.4# |
| 125 | 17.8 | 7.6 | 11.4# |

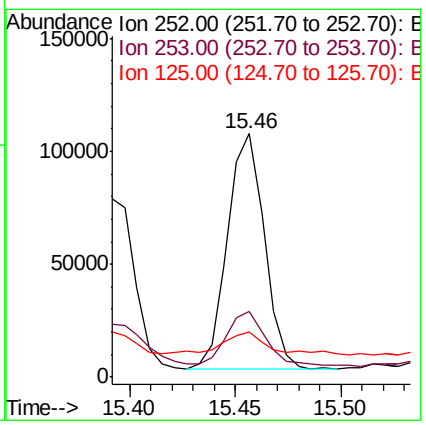


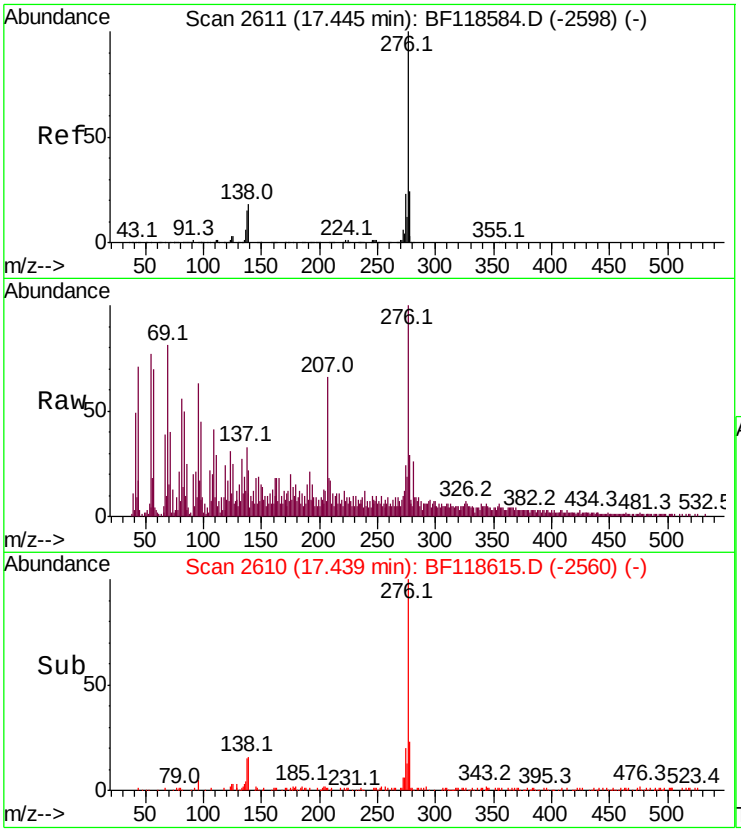




#90
Benzo(a)pyrene
Concen: 3.085 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

Tgt Ion:252 Resp: 126446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.9 | 18.8 | 28.2 |
| 125 | 18.7 | 7.8 | 11.6# |






#92
Benzo(g,h,i)perylene
Concen: 2.365 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF118615.D
Acq: 21 Jan 2020 2:26

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

Tgt Ion:276 Resp: 83262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 29.0 | 18.9 | 28.3# |
| 138 | 21.6 | 14.4 | 21.6# |