Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118900.D
Acq On : 11 Feb 2020 22:58
Operator : CG/JU
Sample : L1372-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-021020

Quant Time: Feb 12 06:52:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 298804 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.09 | 136 | 1154822 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.84 | 164 | 656258 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 1137509 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.97 | 240 | 813660 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.42 | 264 | 806140 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 854307 | 54.12 | ng | | -0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 1083506 | 55.29 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 691144 | 35.67 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 360621 | 45.93 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 1475018 | 40.18 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.91 | 244 | 1521204 | 38.40 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.36 | 77 | 572 | Below Cal | | # | 1 |
| 25) Isophorone | 7.36 | 82 | 687523 | 19.745 | ng | # | 63 |
| 51) 2,6-Dinitrotoluene | 9.84 | 165 | 89049 | 8.709 | ng | # | 31 |
| 57) 2,4-Dinitrotoluene | 9.84 | 165 | 89049 | 6.581 | ng | # | 34 |
| 71) Phenanthrene | 11.35 | 178 | 550627 | 9.838 | ng | | 97 |
| 72) Anthracene | 11.40 | 178 | 146414 | 2.630 | ng | | 97 |
| 75) Fluoranthene | 12.54 | 202 | 668760 | 10.944 | ng | | 99 |
| 78) Pyrene | 12.77 | 202 | 552382 | 9.896 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 285117 | 5.889 | ng | | 96 |
| 83) Chrysene | 13.99 | 228 | 238320 | 4.904 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 400358 | 8.004 | ng | # | 88 |
| 89) Benzo(k)fluoranthene | 15.00 | 252 | 400358 | 9.191 | ng | # | 86 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 206336 | 4.820 | ng | # | 87 |

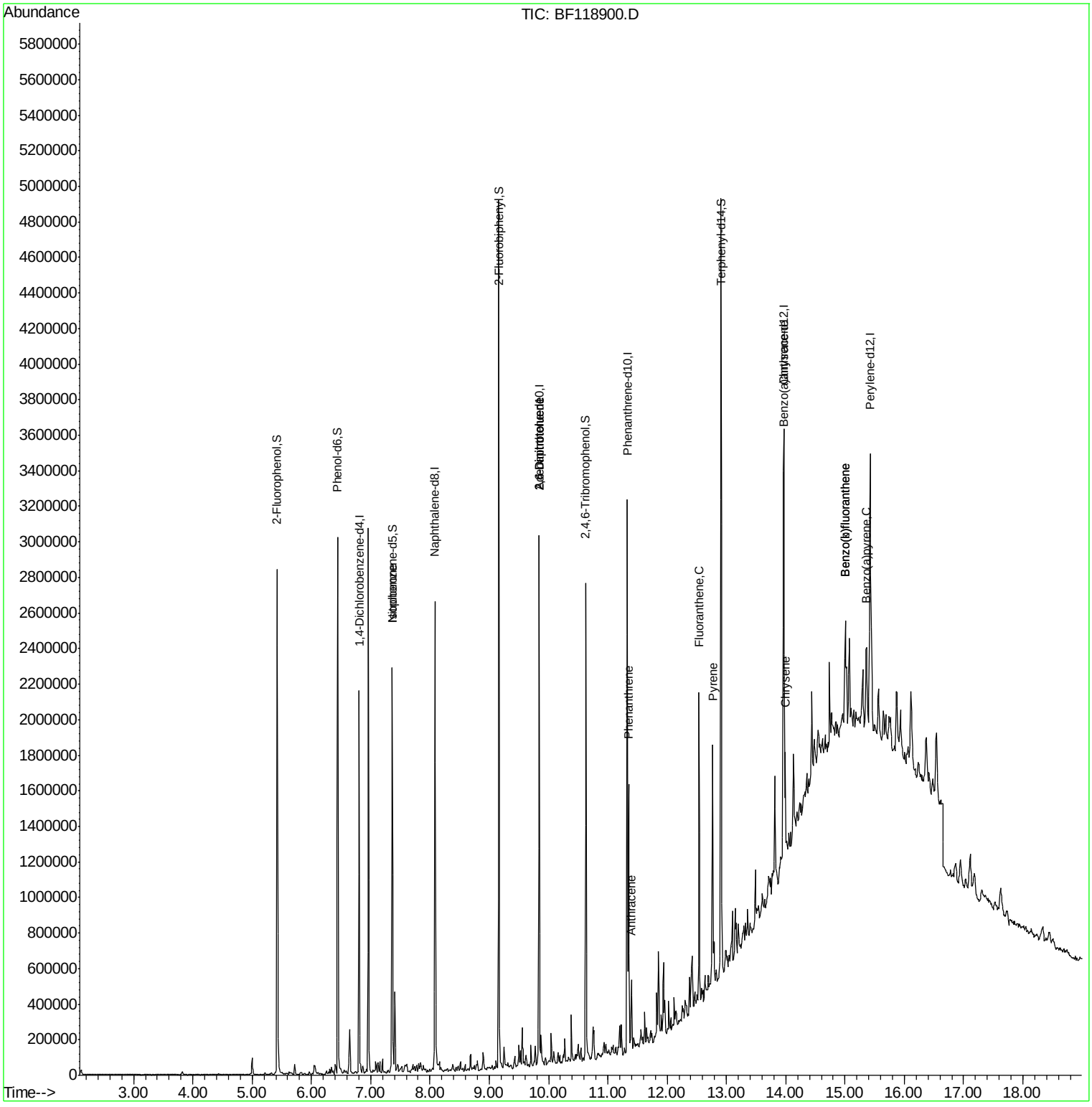
(#) = qualifier out of range (m) = manual integration (+) = signals summed

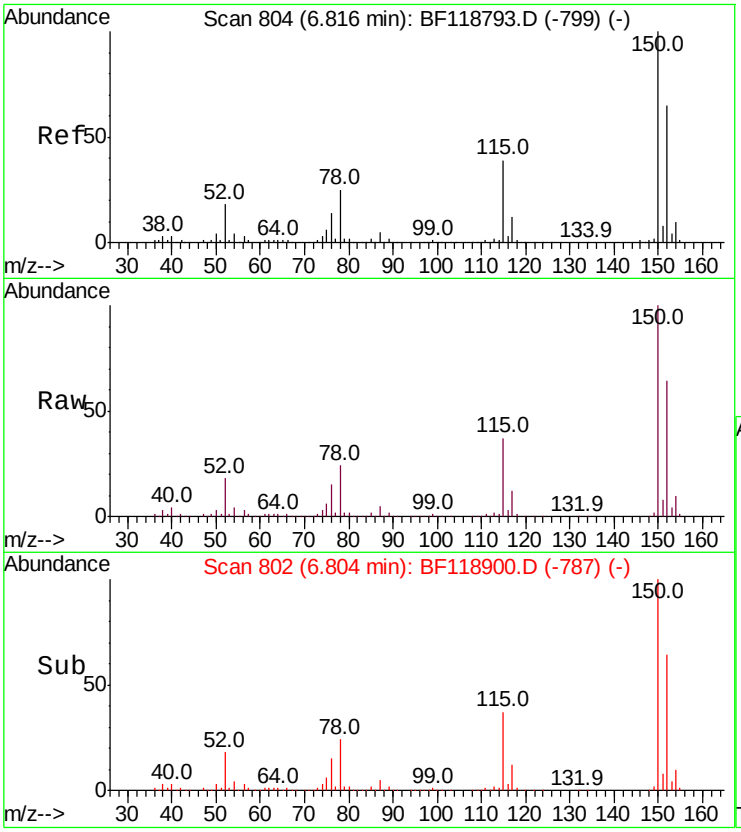
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118900.D
Acq On : 11 Feb 2020 22:58
Operator : CG/JU
Sample : L1372-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Quant Time: Feb 12 06:52:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



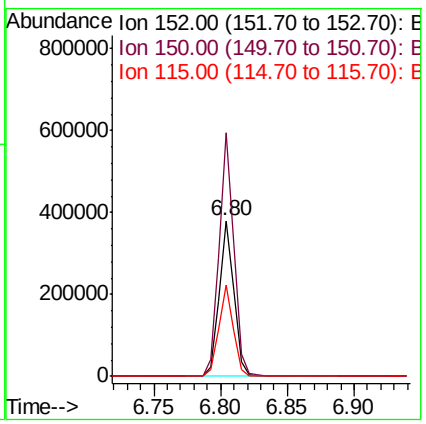


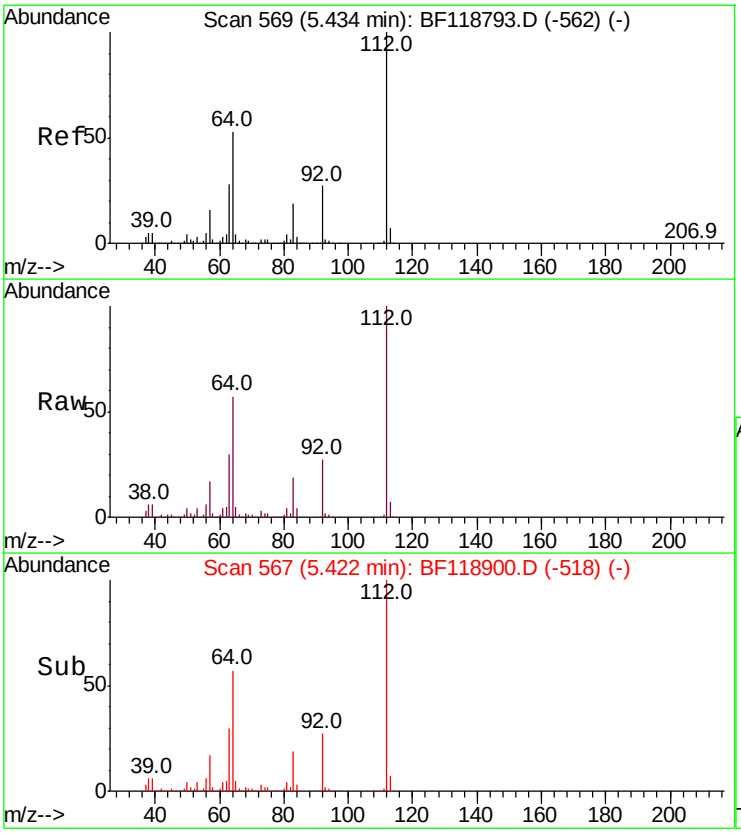

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:152 Resp: 298804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.3 | 123.6 | 185.4 |
| 115 | 58.6 | 48.2 | 72.2 |

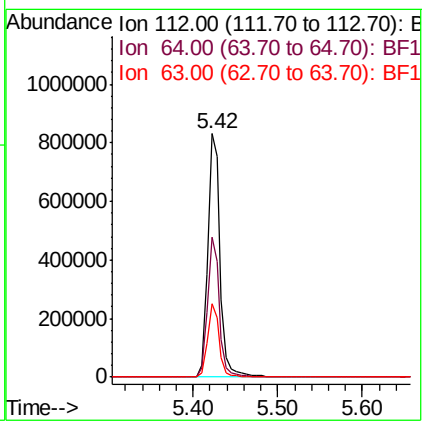


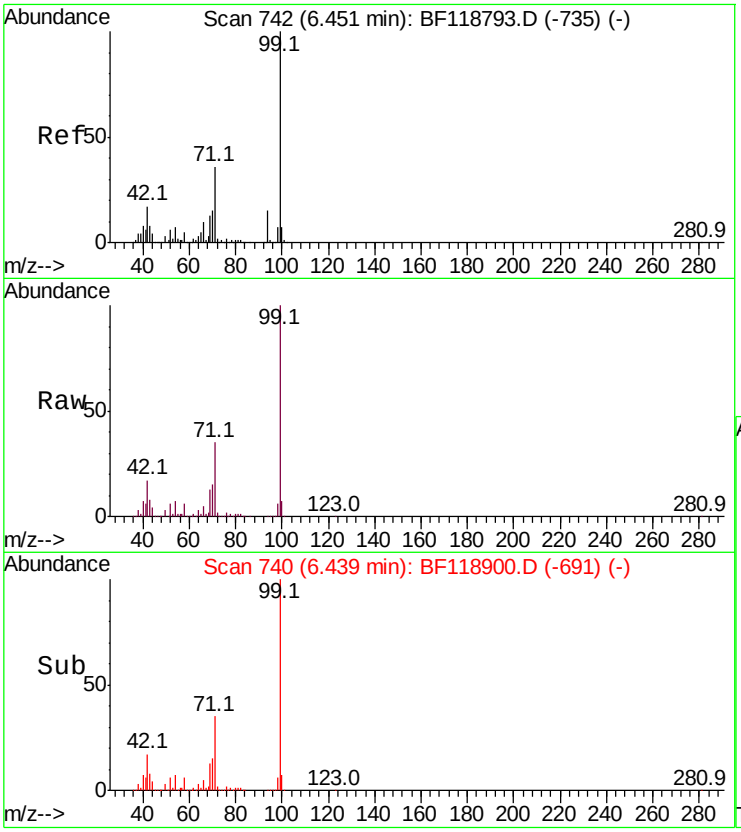




#5
2-Fluorophenol
Concen: 54.120 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:112 Resp: 854307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.3 | 42.6 | 63.8 |
| 63 | 30.0 | 22.2 | 33.4 |



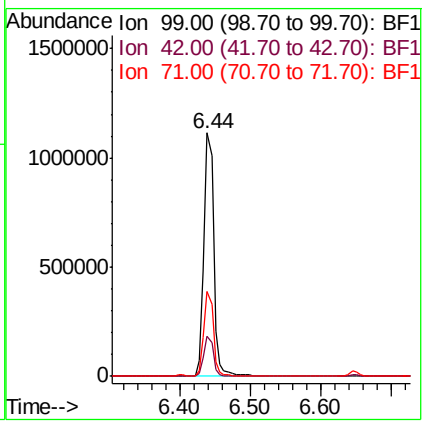


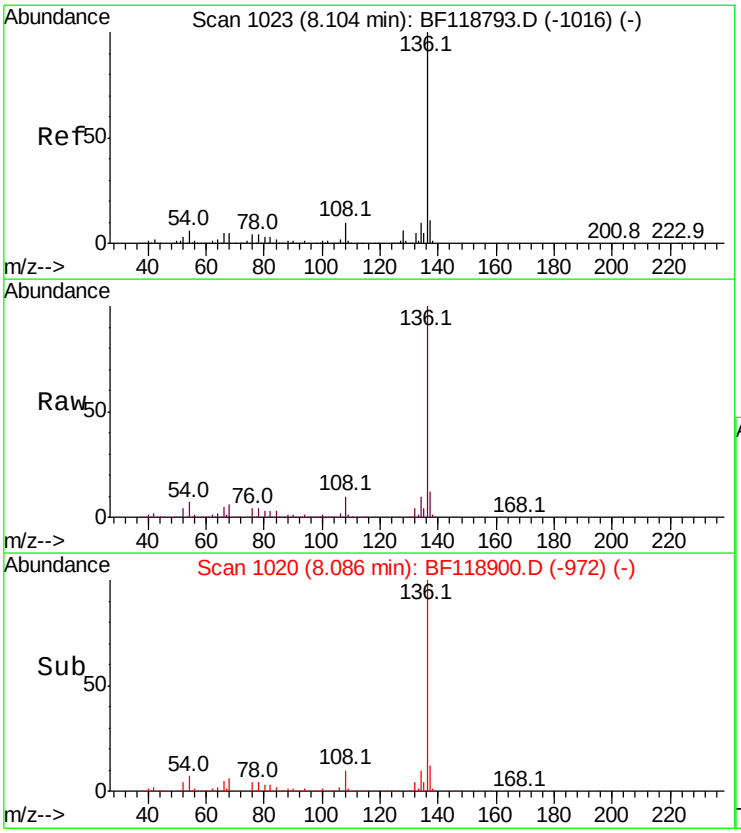

#7
Phenol-d6
Concen: 55.295 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion: 99 Resp: 1083506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.7 | 13.4 | 20.0 |
| 71 | 34.8 | 29.0 | 43.6 |

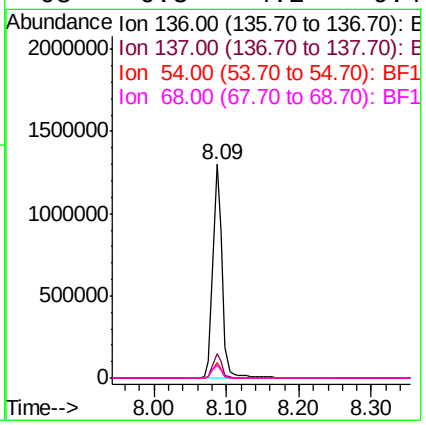


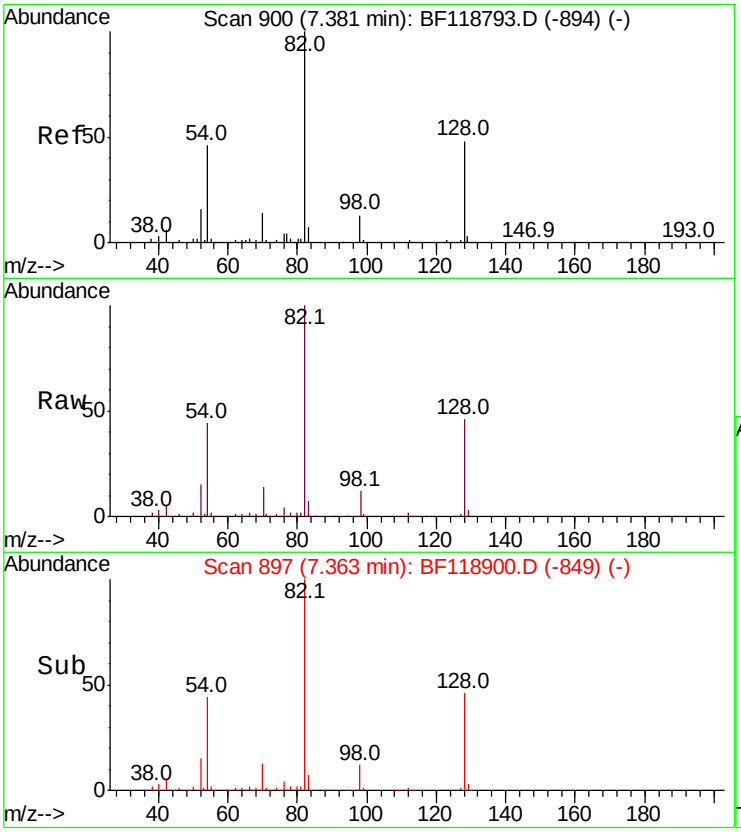




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:136 Resp: 1154822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.7 | 13.1 |
| 54 | 7.0 | 5.0 | 7.6 |
| 68 | 6.3 | 4.2 | 6.4 |



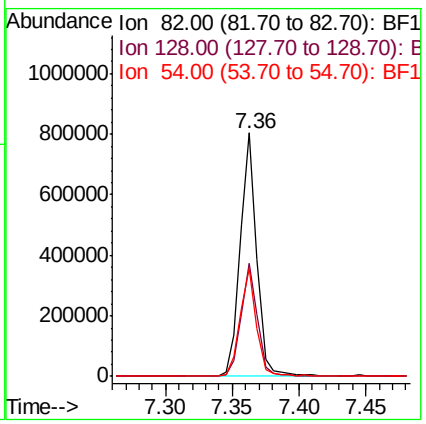


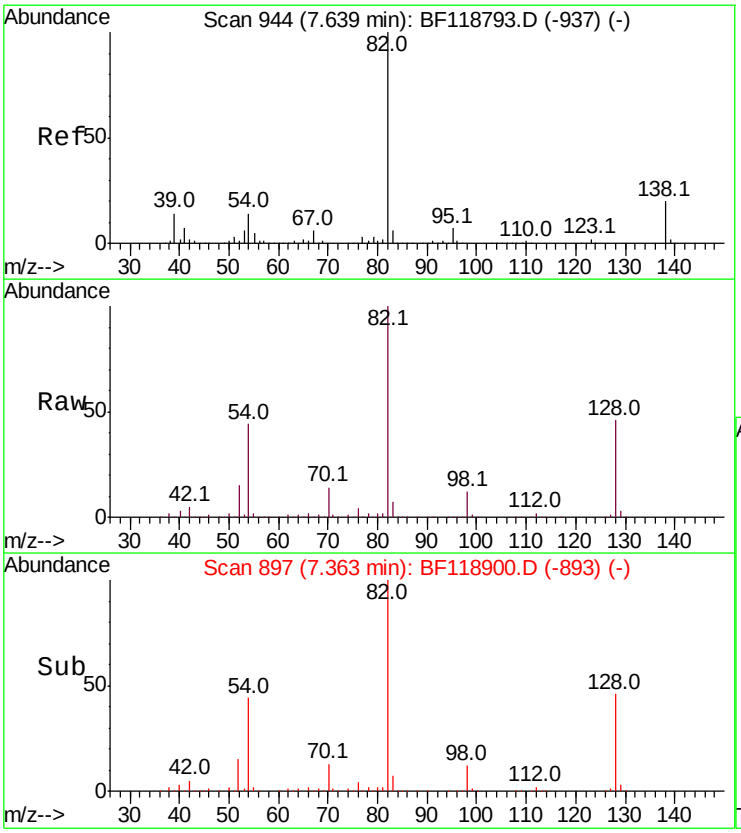

#23
Nitrobenzene-d5
Concen: 35.673 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion: 82 Resp: 691144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 38.5 | 57.7 |
| 54 | 44.3 | 36.7 | 55.1 |

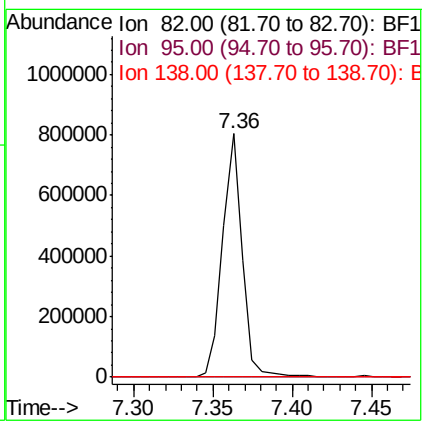


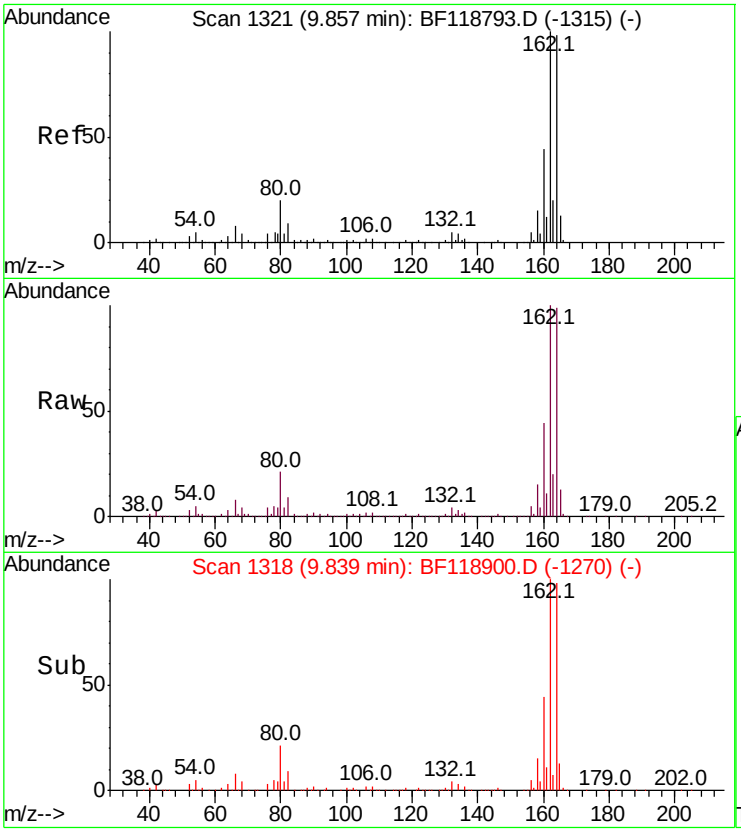




#25
Isophorone
Concen: 19.745 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.28 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion: 82 Resp: 687523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 6.0 | 9.0# |
| 138 | 0.0 | 15.7 | 23.5# |



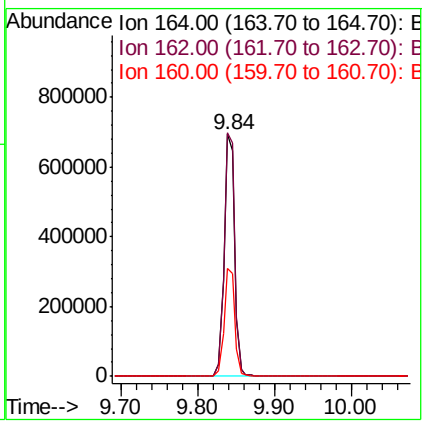


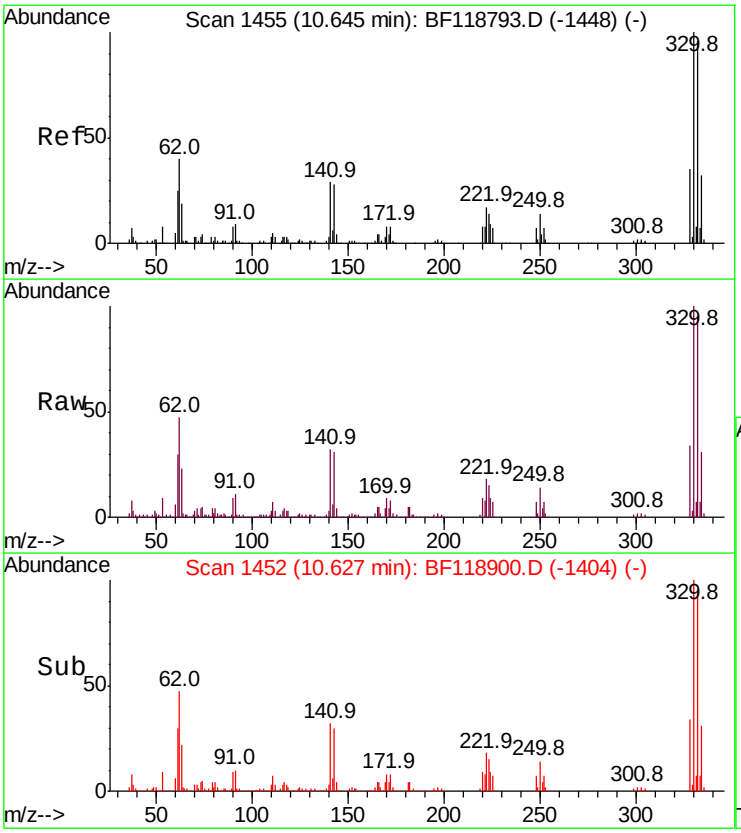

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:164 Resp: 656258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 81.4 | 122.2 |
| 160 | 44.4 | 35.6 | 53.4 |

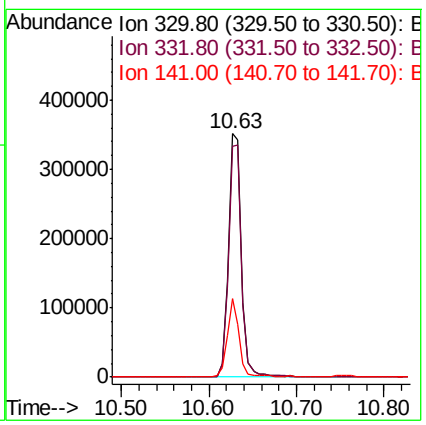


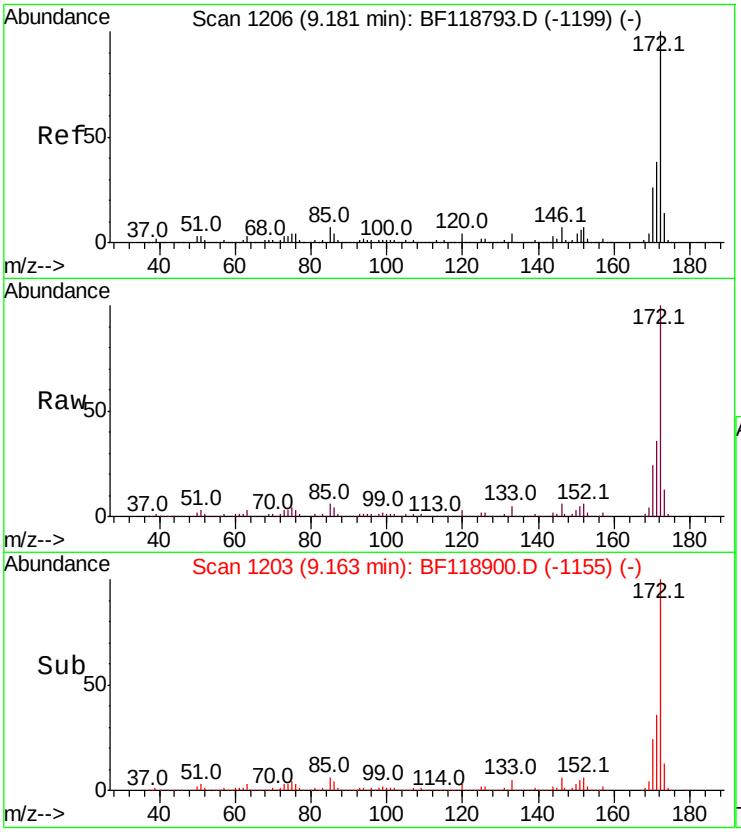




#42
2,4,6-Tribromophenol
Concen: 45.925 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:330 Resp: 360621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.3 | 115.9 |
| 141 | 28.2 | 22.4 | 33.6 |



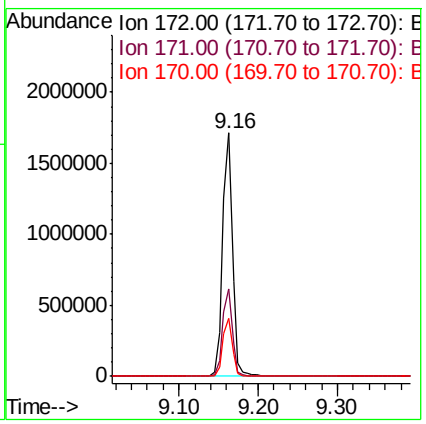


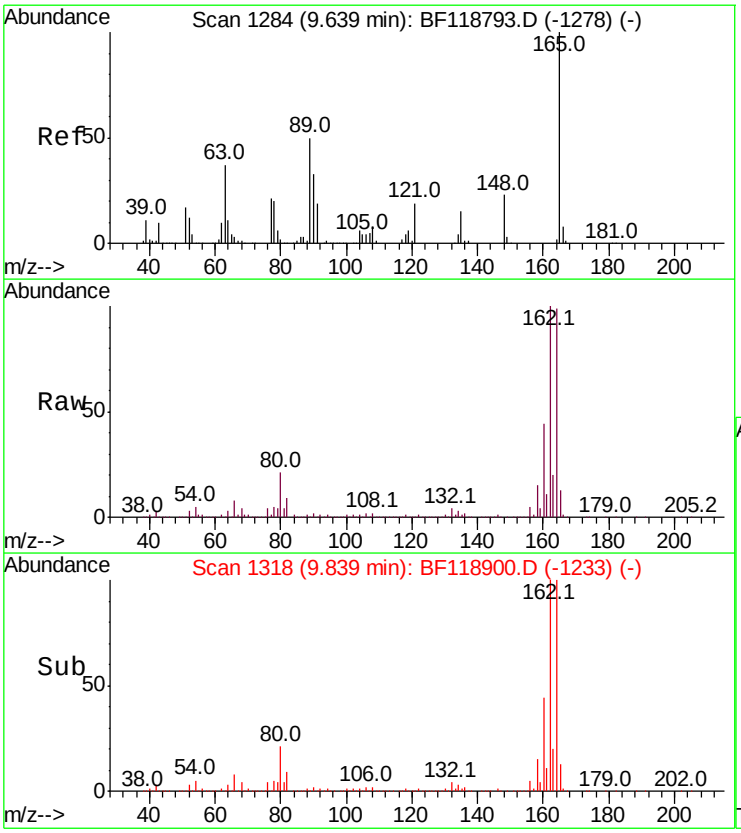

#45
2-Fluorobiphenyl
Concen: 40.181 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:172 Resp: 1475018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 30.8 | 46.2 |
| 170 | 24.1 | 20.5 | 30.7 |

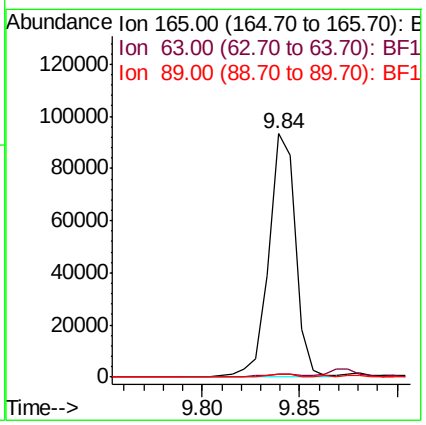


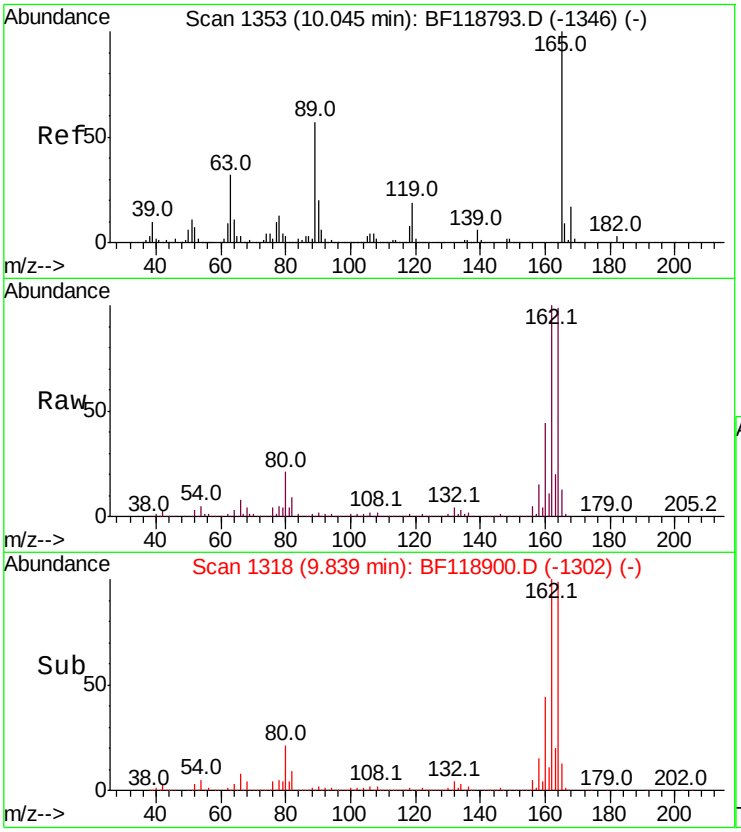




#51
2,6-Dinitrotoluene
Concen: 8.709 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:165 Resp: 89049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 37.4 | 56.0# |
| 89 | 1.3 | 39.7 | 59.5# |



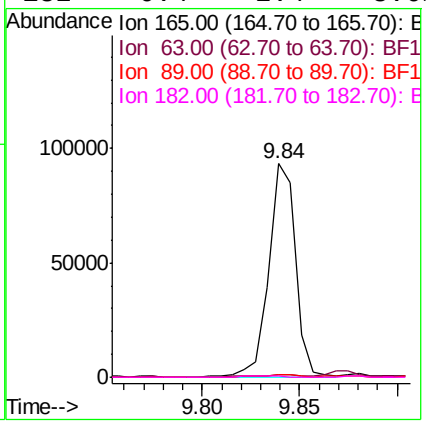


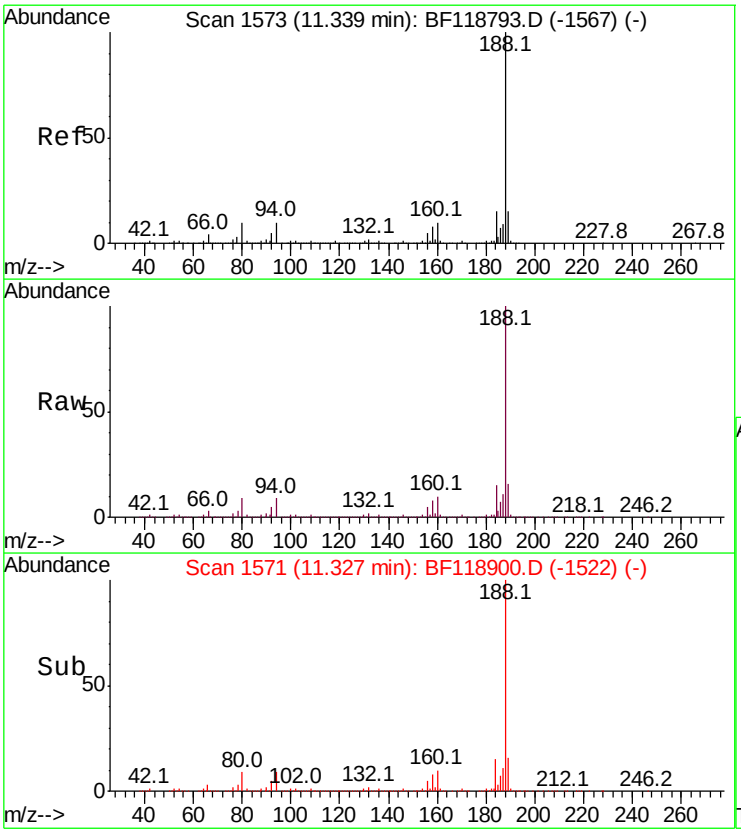

#57
2,4-Dinitrotoluene
Concen: 6.581 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:165 Resp: 89049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 25.5 | 38.3# |
| 89 | 1.3 | 45.4 | 68.0# |
| 182 | 0.4 | 2.4 | 3.6# |

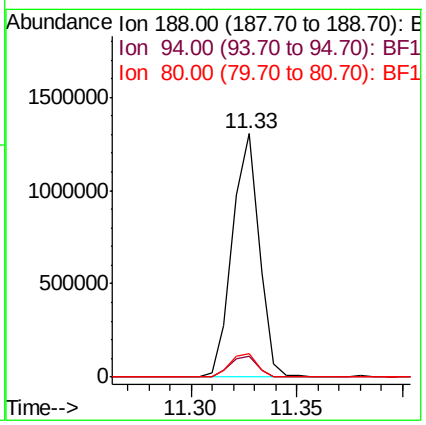


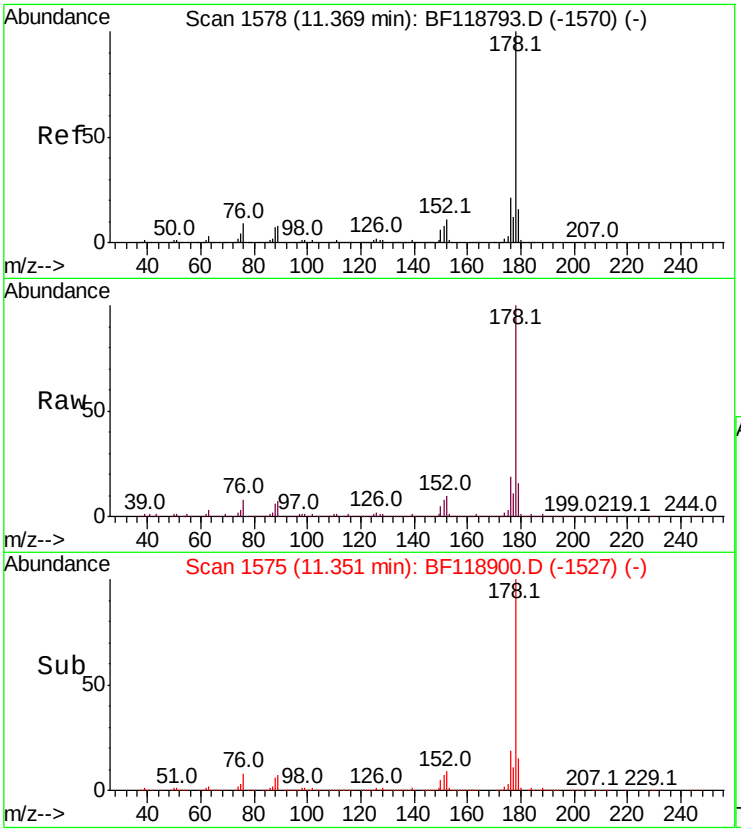




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:188 Resp: 1137509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 7.9 | 11.9 |
| 80 | 9.4 | 8.4 | 12.6 |



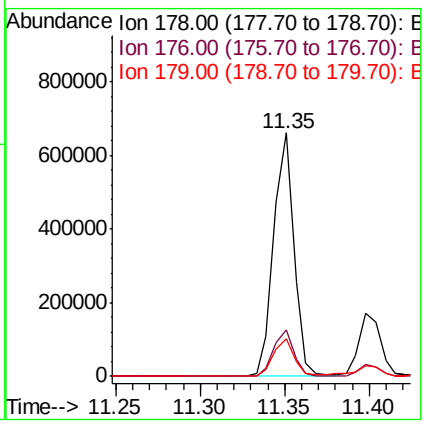


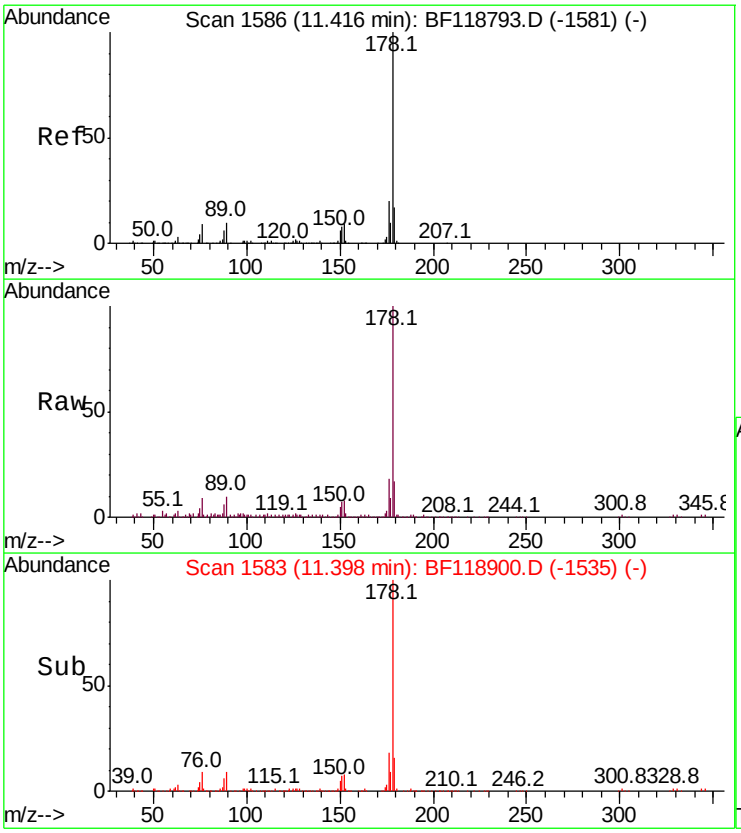

#71
Phenanthrene
Concen: 9.838 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:178 Resp: 550627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.6 | 24.8 |
| 179 | 15.5 | 13.2 | 19.8 |

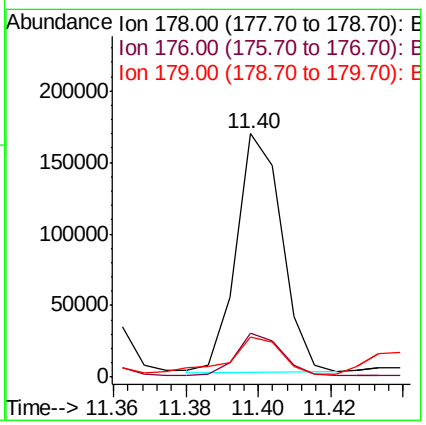


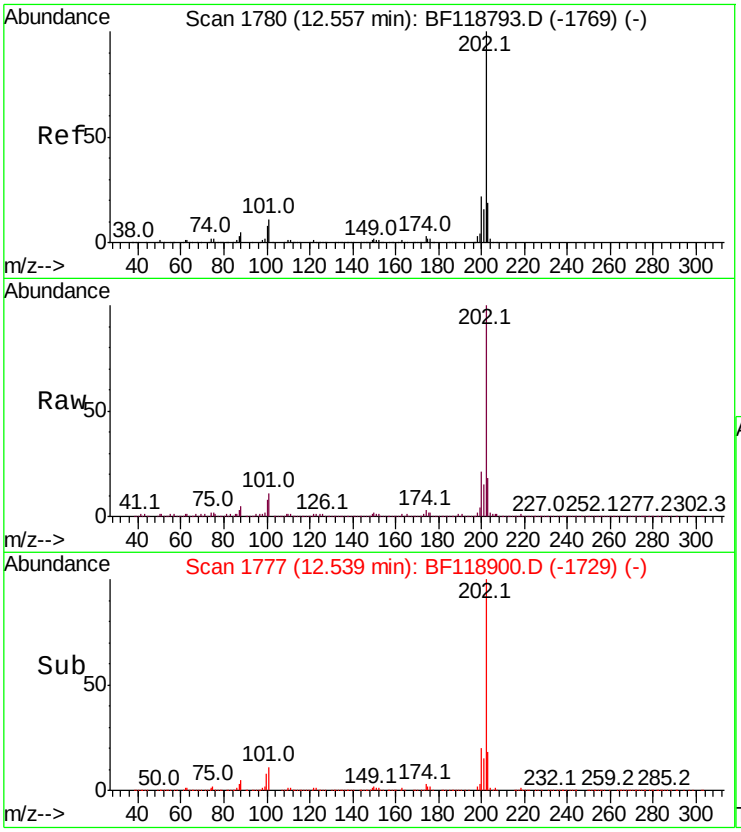




#72
Anthracene
Concen: 2.630 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:178 Resp: 146414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 16.2 | 24.2 |
| 179 | 16.6 | 13.4 | 20.2 |



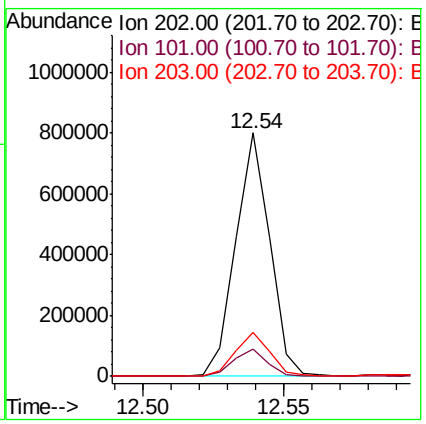


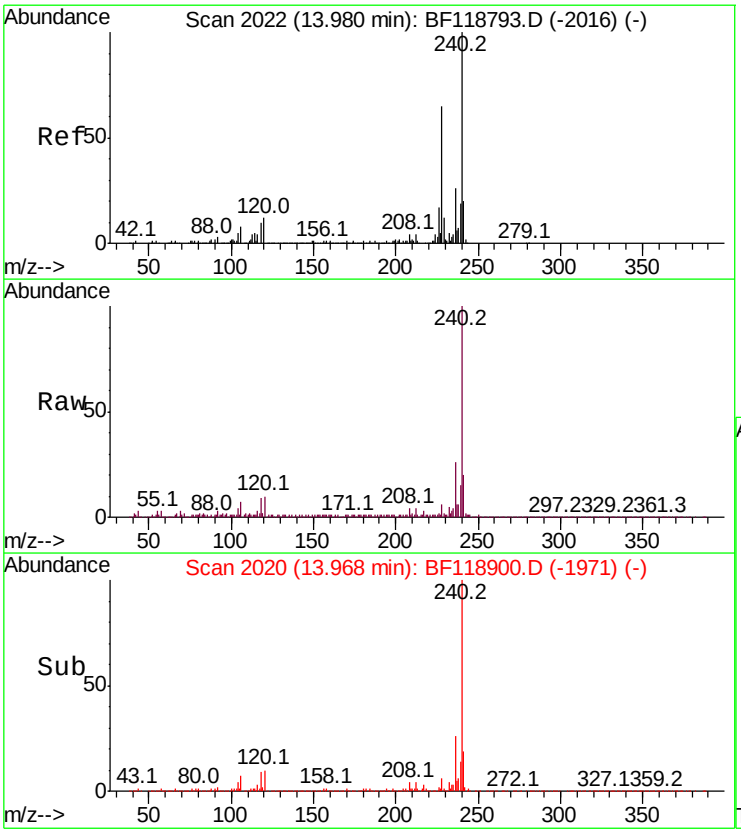

#75
Fluoranthene
Concen: 10.944 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:202 Resp: 668760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 31.0 |
| 203 | 18.0 | 0.0 | 38.7 |

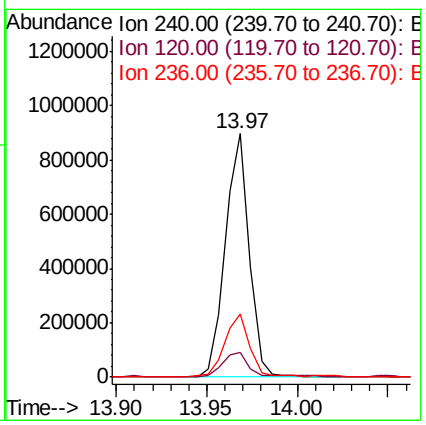


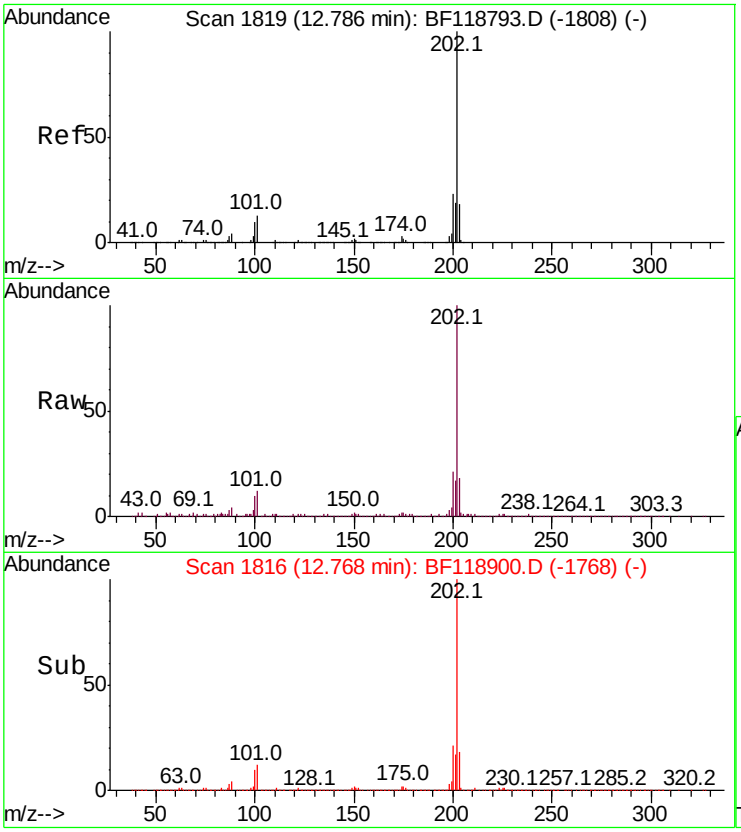




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:240 Resp: 813660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 9.4 | 14.0 |
| 236 | 26.0 | 21.0 | 31.6 |



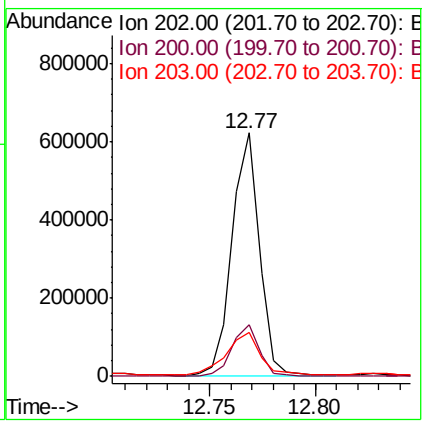


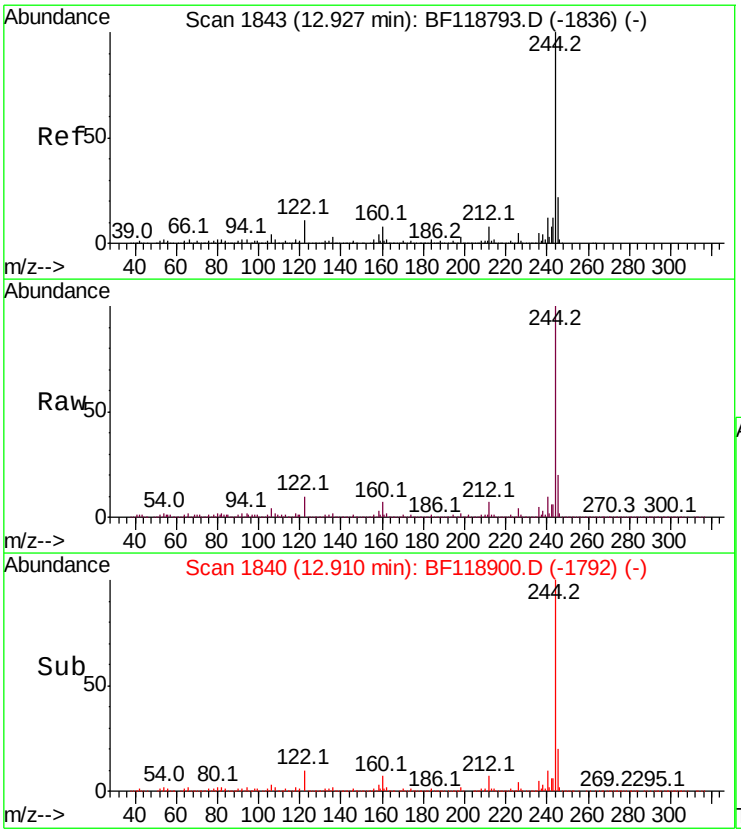

#78
Pyrene
Concen: 9.896 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:202 Resp: 552382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 18.2 | 27.2 |
| 203 | 18.2 | 14.8 | 22.2 |

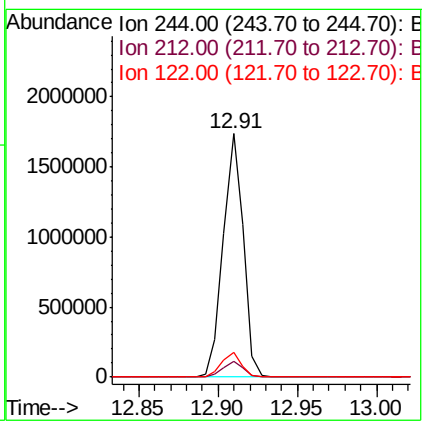


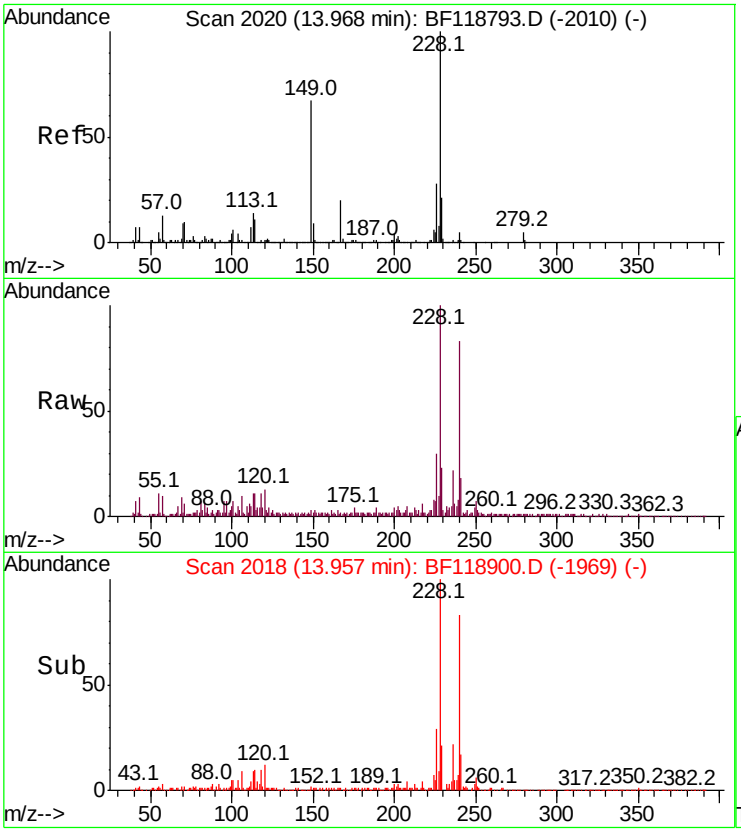




#79
Terphenyl-d14
Concen: 38.402 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:244 Resp: 1521204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 6.5 | 9.7 |
| 122 | 10.3 | 8.9 | 13.3 |



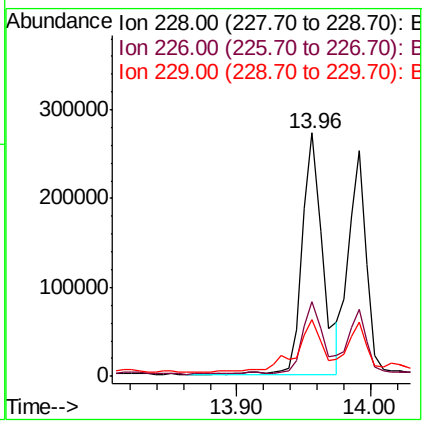


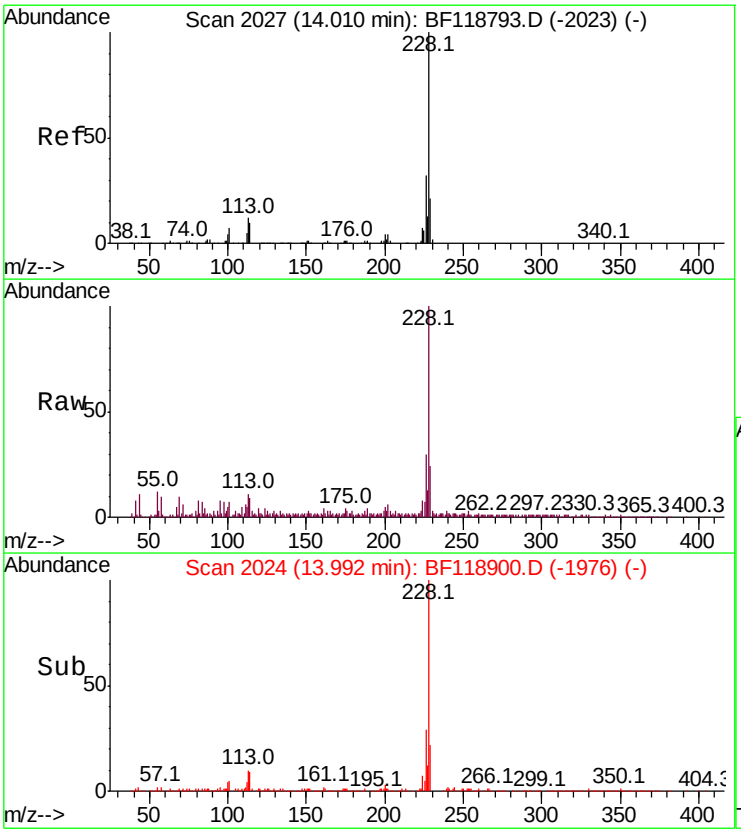

#81
Benzo(a)anthracene
Concen: 5.889 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:228 Resp: 285117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 22.7 | 34.1 |
| 229 | 23.2 | 16.6 | 25.0 |

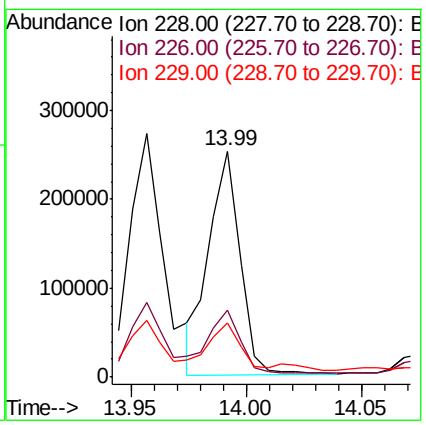


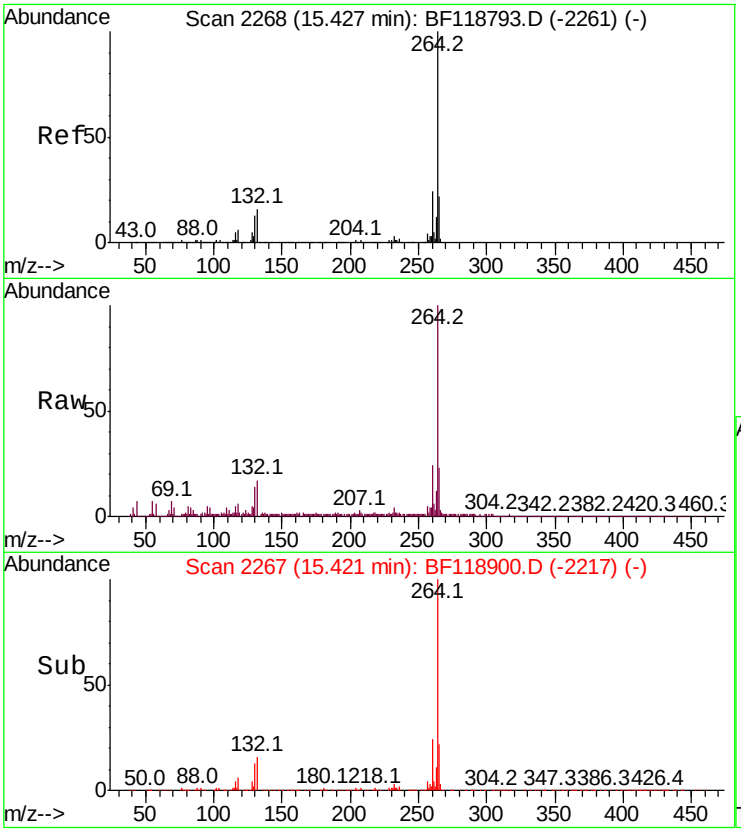




#83
Chrysene
Concen: 4.904 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:228 Resp: 238320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 25.4 | 38.0 |
| 229 | 24.2 | 16.9 | 25.3 |



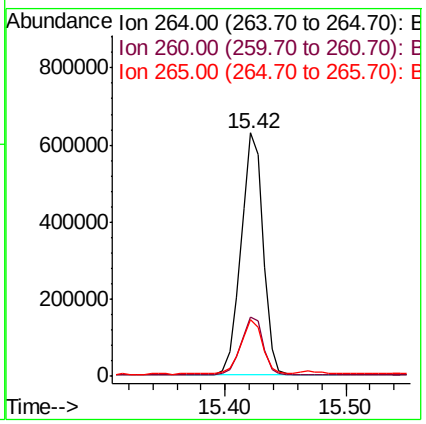


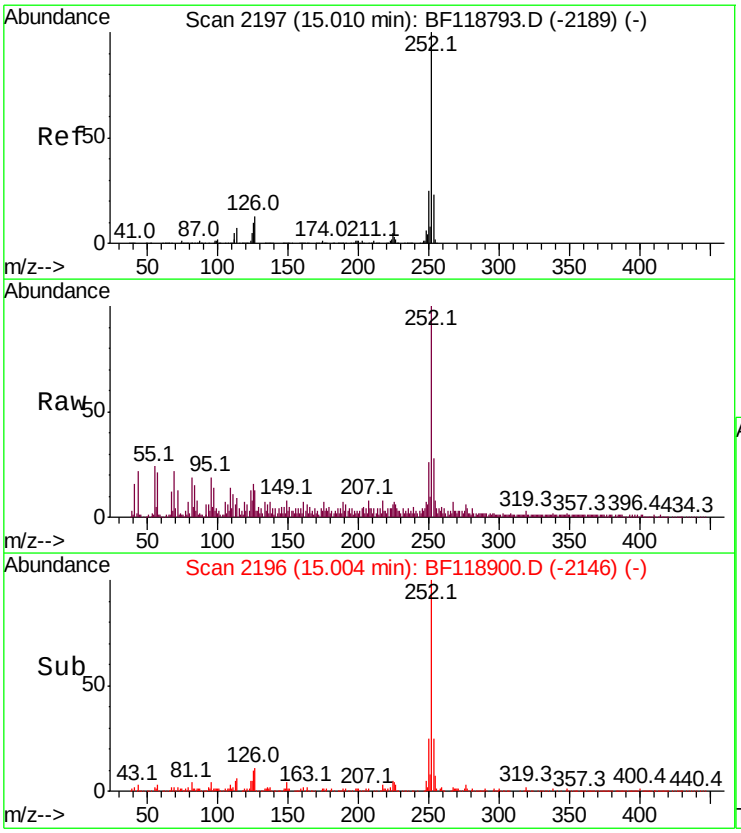

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:264 Resp: 806140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.1 | 28.7 |
| 265 | 23.2 | 17.2 | 25.8 |

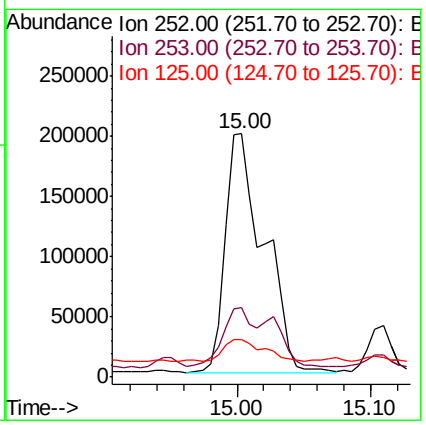


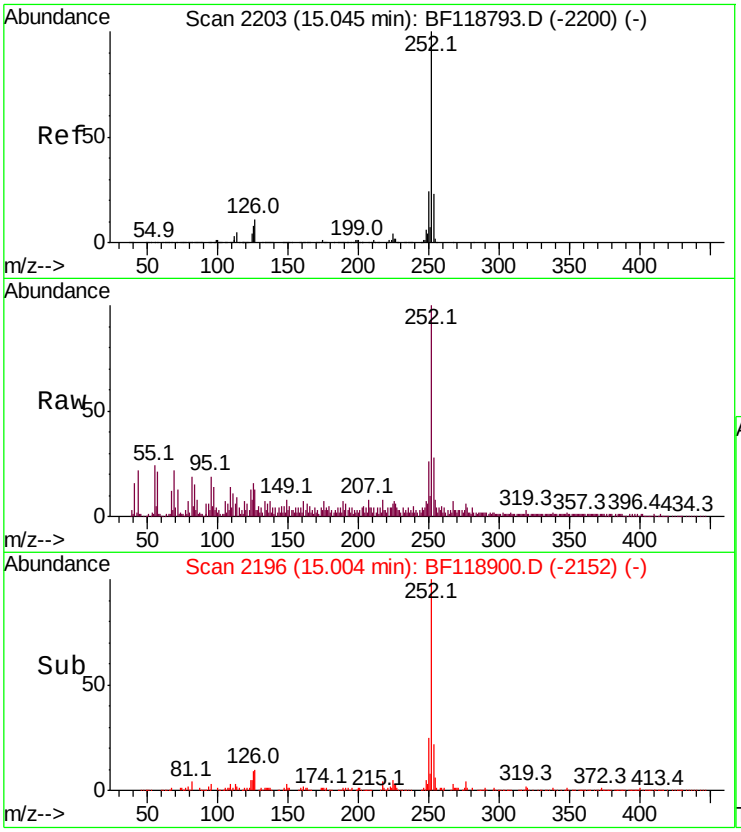




#88
Benzo(b)fluoranthene
Concen: 8.004 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:252 Resp: 400358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.4 | 18.4 | 27.6# |
| 125 | 15.6 | 8.1 | 12.1# |



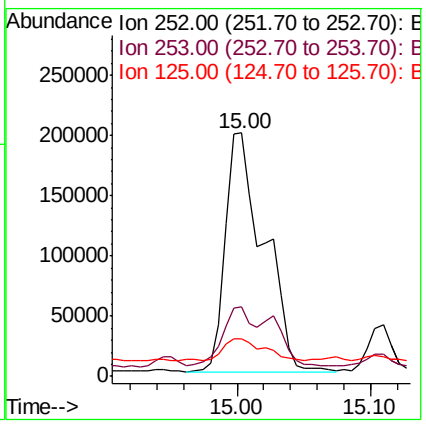


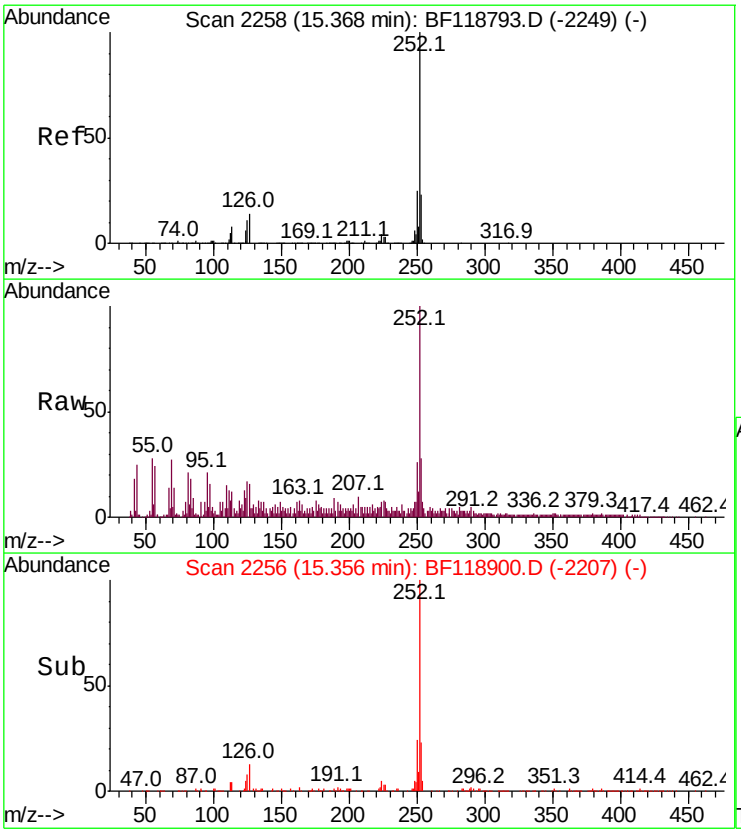

#89
Benzo(k)fluoranthene
Concen: 9.191 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-021020

Tgt Ion:252 Resp: 400358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.4 | 18.2 | 27.4# |
| 125 | 15.6 | 7.0 | 10.6# |




#90
Benzo(a)pyrene
Concen: 4.820 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:252 Resp: 206336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.9 | 18.1 | 27.1# |
| 125 | 17.3 | 8.7 | 13.1# |