Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116096.D
Acq On : 9 Aug 2019 4:17
Operator : HP/JU
Sample : K4192-02RE 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 09 09:18:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 138436 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 567378 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 283489 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 398560 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.00 | 240 | 264410 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 248496 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 205045 | 24.80 | ng | | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 287064 | 27.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 175005 | 17.80 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 57385 | 20.88 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 337210 | 22.28 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.94 | 244 | 254953 | 20.32 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 22022 | 3.406 | ng | # | 81 |
| 25) Isophorone | 7.40 | 82 | 175004 | 9.311 | ng | # | 65 |
| 50) Dimethylphthalate | 9.59 | 163 | 63678 | 3.299 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.87 | 165 | 38407 | 9.156 | ng | # | 29 |
| 52) Acenaphthene | 9.90 | 154 | 59160 | 3.968 | ng | | 98 |
| 55) Dibenzofuran | 10.07 | 168 | 55153 | 2.544 | ng | # | 97 |
| 58) Fluorene | 10.42 | 166 | 74052 | 4.439 | ng | | 99 |
| 71) Phenanthrene | 11.39 | 178 | 1041205 | 51.101 | ng | | 99 |
| 72) Anthracene | 11.43 | 178 | 252612 | 12.250 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 94306 | 5.041 | ng | | 98 |
| 75) Fluoranthene | 12.57 | 202 | 1270958 | 59.583 | ng | | 96 |
| 78) Pyrene | 12.80 | 202 | 1225788 | 61.500 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 640904 | 37.923 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 599018 | 36.509 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 242585 | 17.604 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 848851 | 59.078 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 15.05 | 252 | 848851 | 60.654 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 440224 | 34.274 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.94 | 278 | 65254 | 5.869 | ng | # | 78 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 235304 | 21.550 | ng | | 96 |

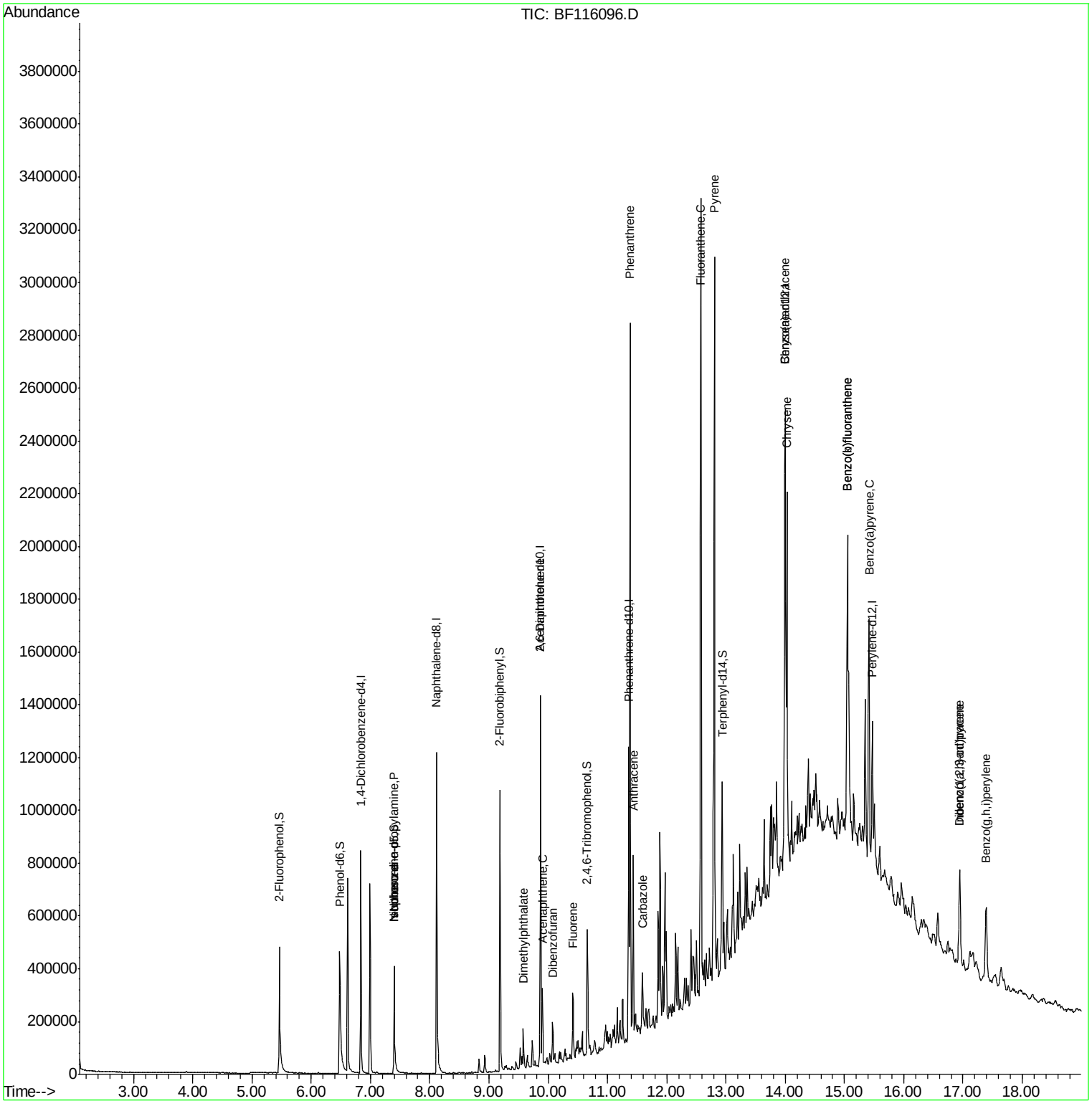
(#) = qualifier out of range (m) = manual integration (+) = signals summed

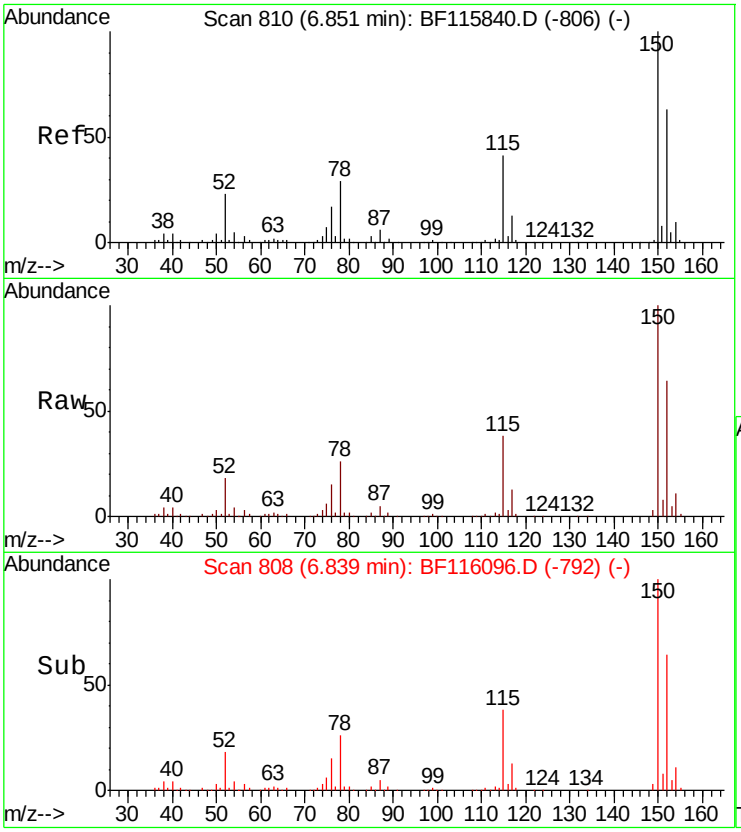
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116096.D
Acq On : 9 Aug 2019 4:17
Operator : HP/JU
Sample : K4192-02RE 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 09 09:18:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration



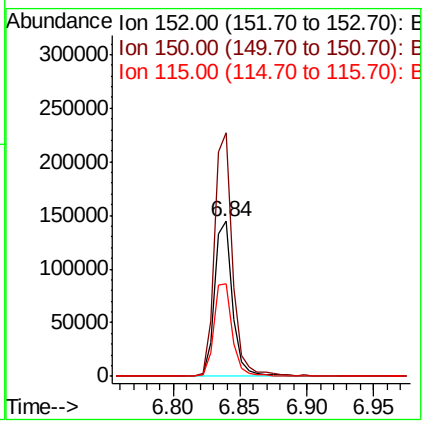


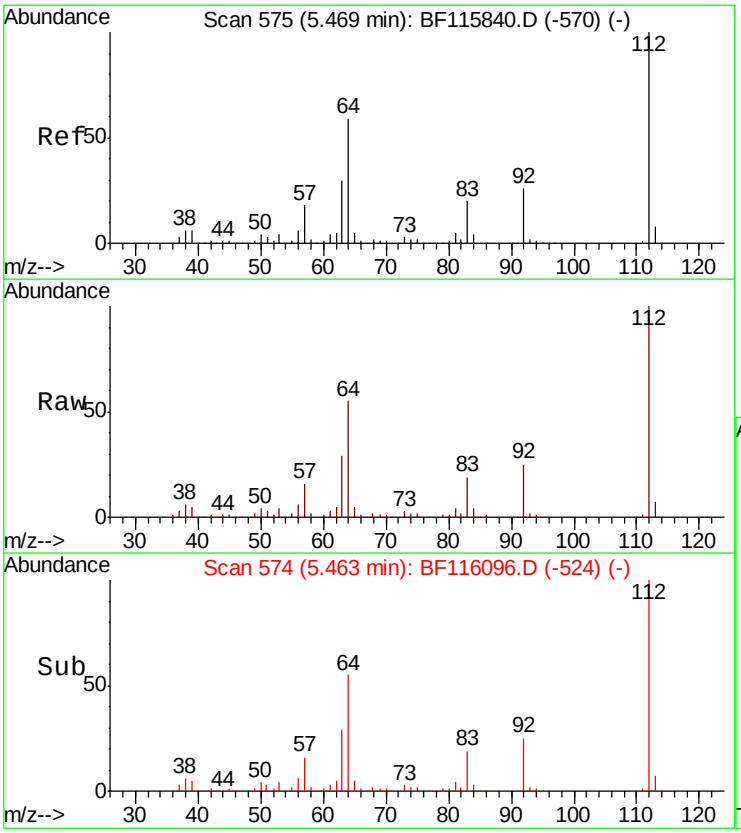

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:152 Resp: 138436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 126.2 | 189.2 |
| 115 | 59.7 | 49.9 | 74.9 |

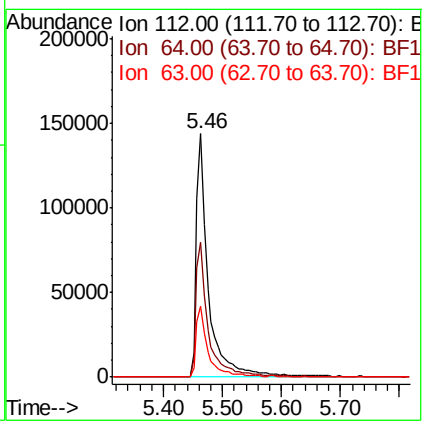


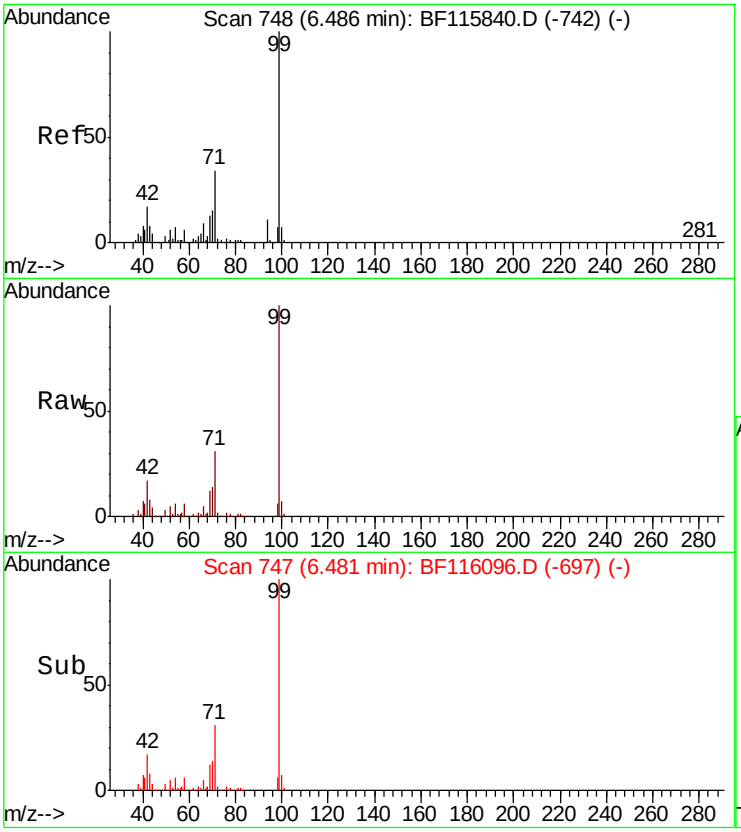




#5
2-Fluorophenol
Concen: 24.795 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:112 Resp: 205045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.2 | 45.4 | 68.2 |
| 63 | 29.2 | 23.7 | 35.5 |



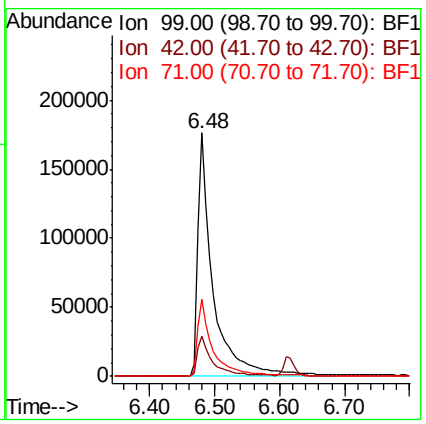


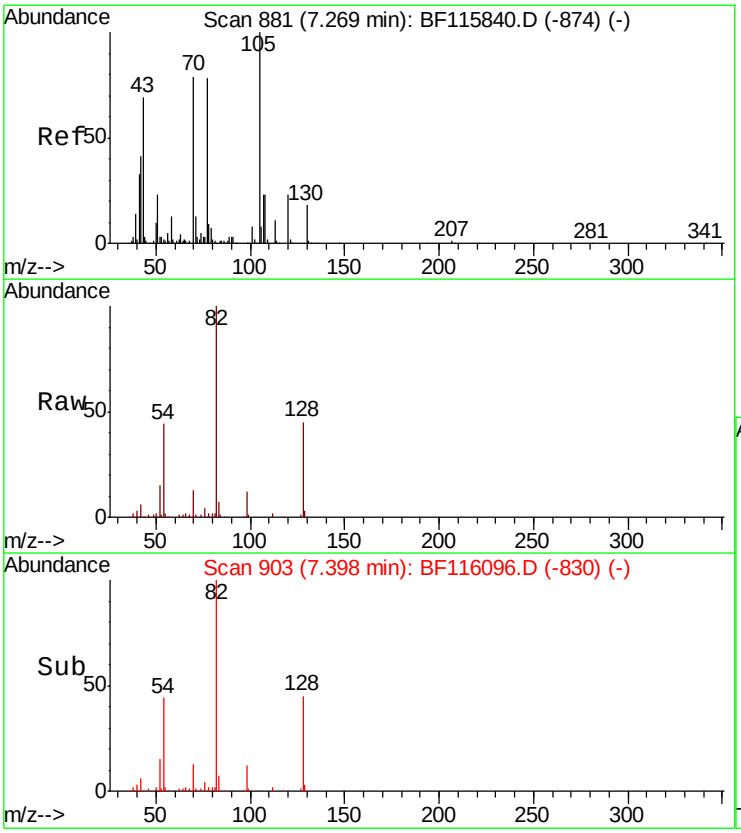

#7
Phenol-d6
Concen:  27.514 ng
RT: 6.48 min  Scan# 747
Delta R.T.  -0.01 min
Lab File:  BF116096.D
Acq:  9 Aug 2019  4:17

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

Tgt Ion: 99 Resp:  287064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.6 | 13.8 | 20.8 |
| 71 | 31.5 | 27.3 | 40.9 |

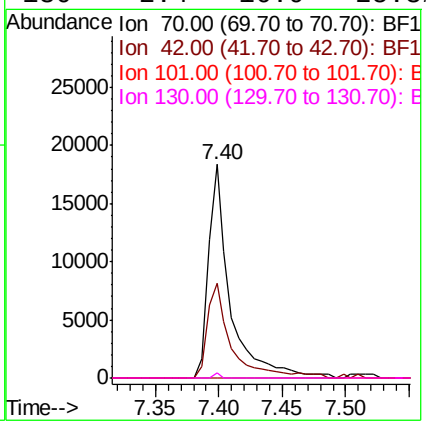


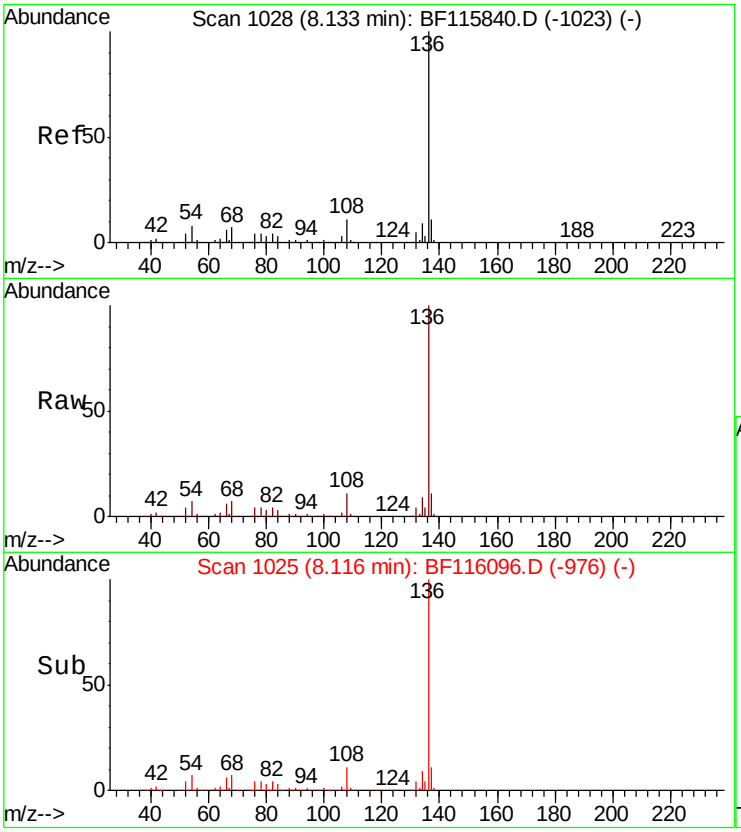




#19
n-Nitroso-di-n-propylamine
Concen:  3.406 ng
RT: 7.40 min  Scan# 903
Delta R.T.  0.13 min
Lab File:  BF116096.D
Acq:  9 Aug 2019  4:17

Tgt Ion: 70 Resp:  22022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 40.9 | 61.3 |
| 101 | 0.0 | 7.9 | 11.9# |
| 130 | 2.4 | 16.9 | 25.3# |



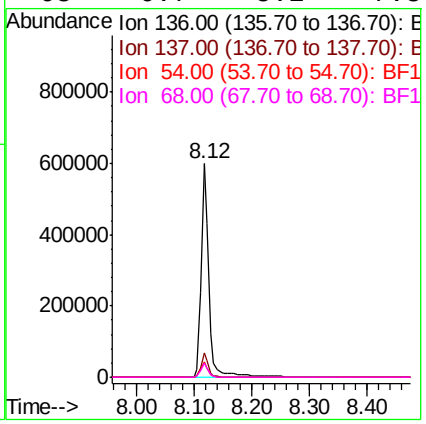


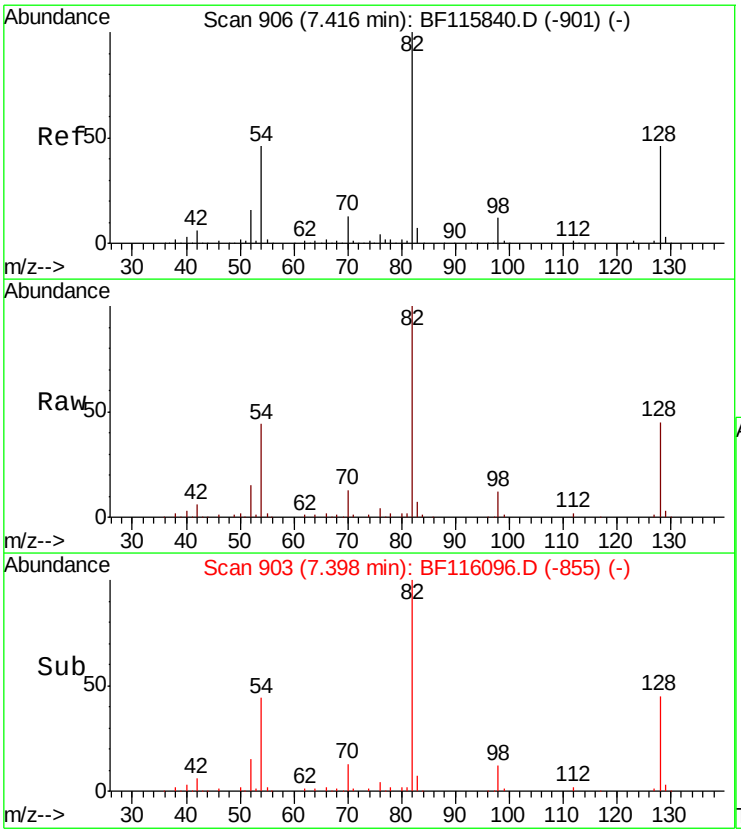

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:136 Resp: 567378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 7.2 | 5.8 | 8.6 |
| 68 | 6.7 | 5.2 | 7.8 |

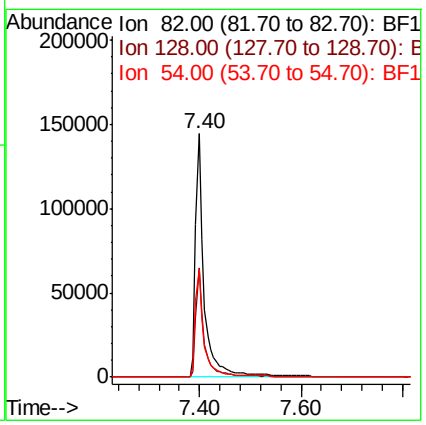


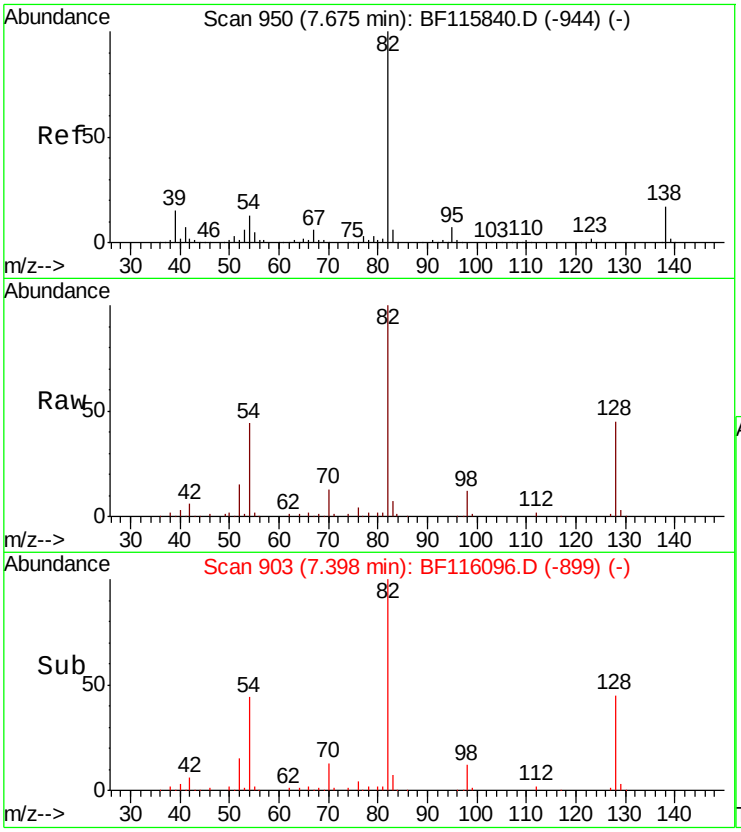




#23
Nitrobenzene-d5
Concen: 17.804 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion: 82 Resp: 175005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 36.5 | 54.7 |
| 54 | 44.4 | 36.0 | 54.0 |



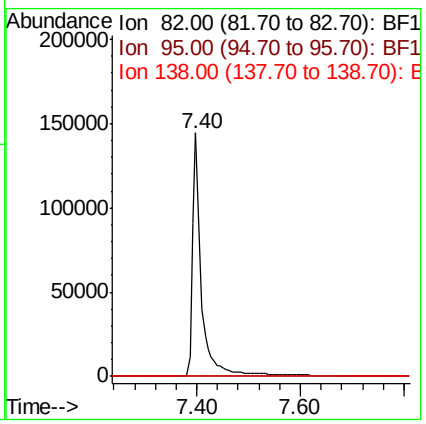


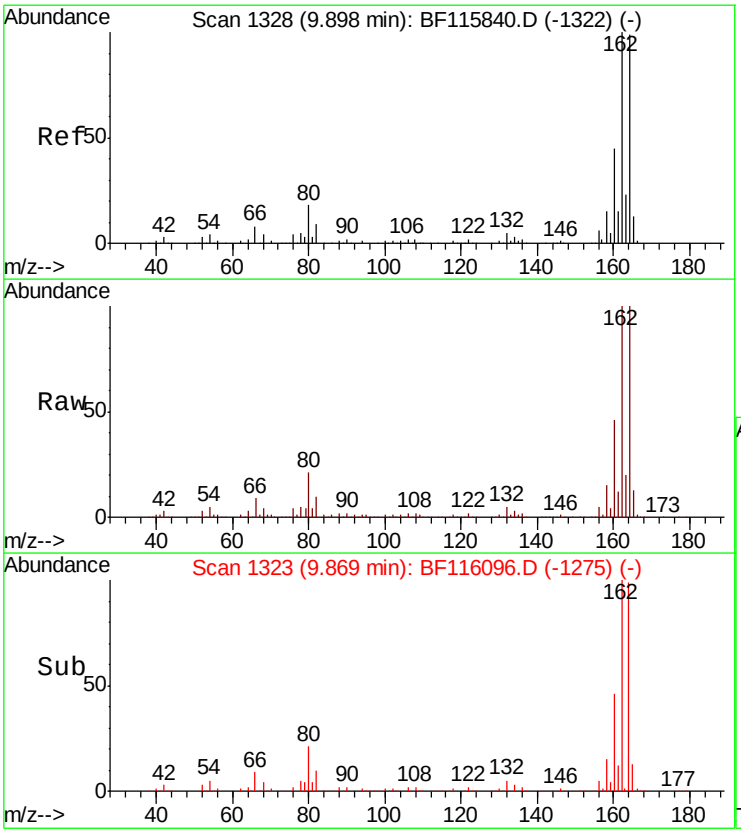

#25
Isophorone
Concen: 9.311 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion: 82 Resp: 175004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.0# |
| 138 | 0.0 | 14.5 | 21.7# |

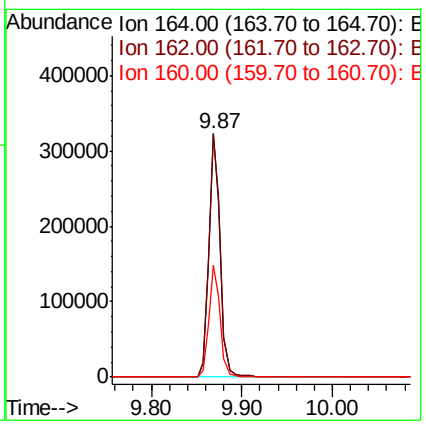


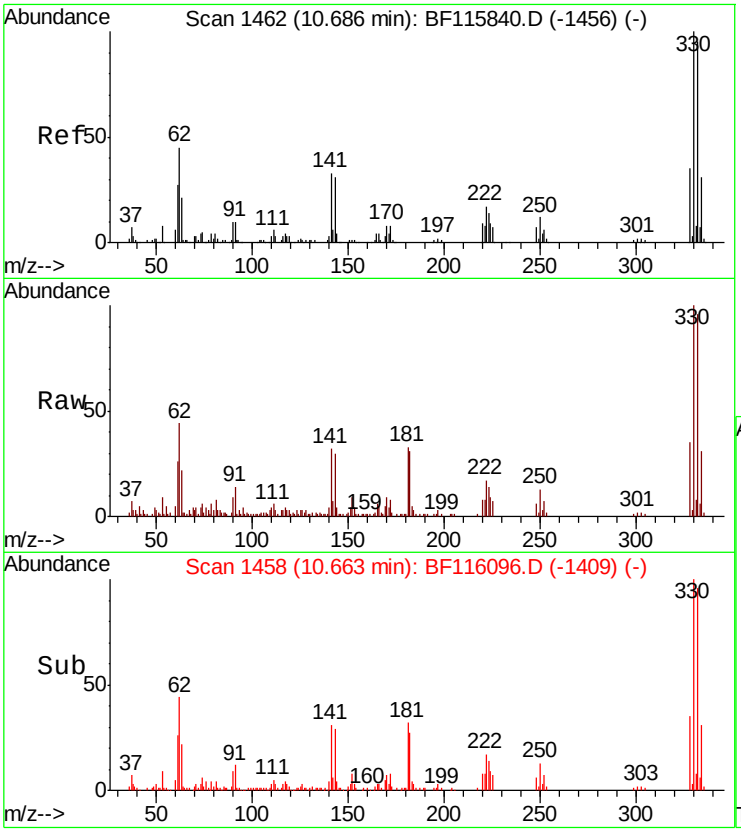




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:164 Resp: 283489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.5 | 82.6 | 124.0 |
| 160 | 45.7 | 37.6 | 56.4 |



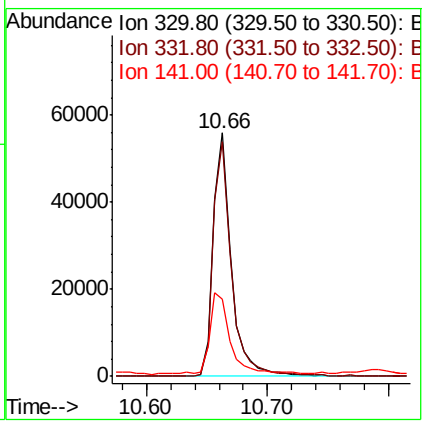


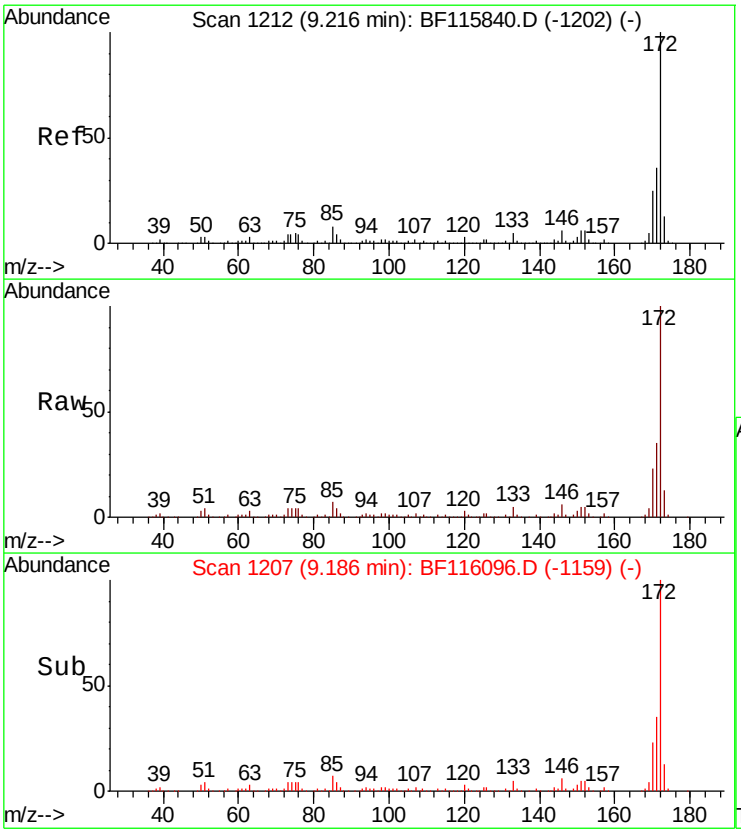

#42
2,4,6-Tribromophenol
Concen: 20.879 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:330 Resp: 57385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 76.8 | 115.2 |
| 141 | 37.9 | 26.3 | 39.5 |

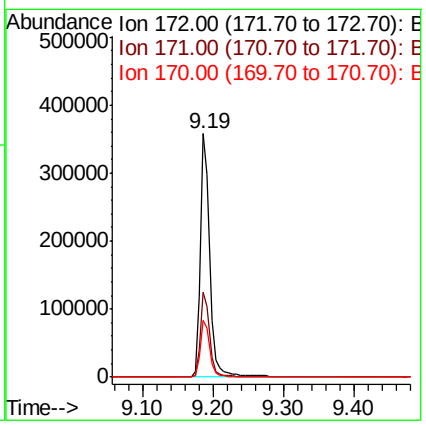


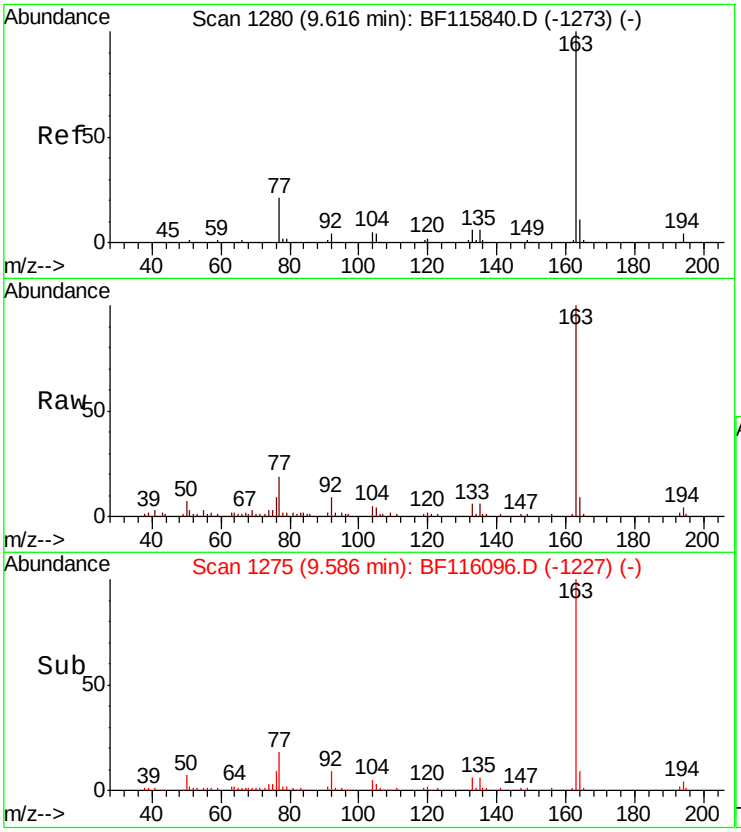




#45
2-Fluorobiphenyl
Concen: 22.280 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:172 Resp: 337210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 29.6 | 44.4 |
| 170 | 23.4 | 20.1 | 30.1 |



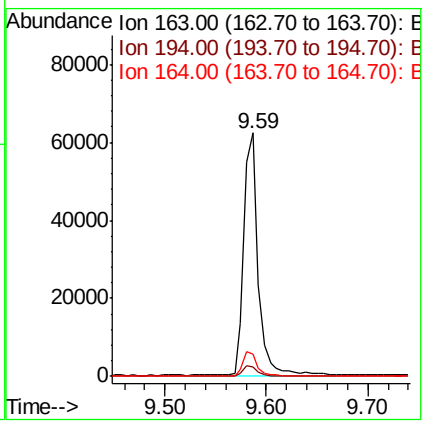


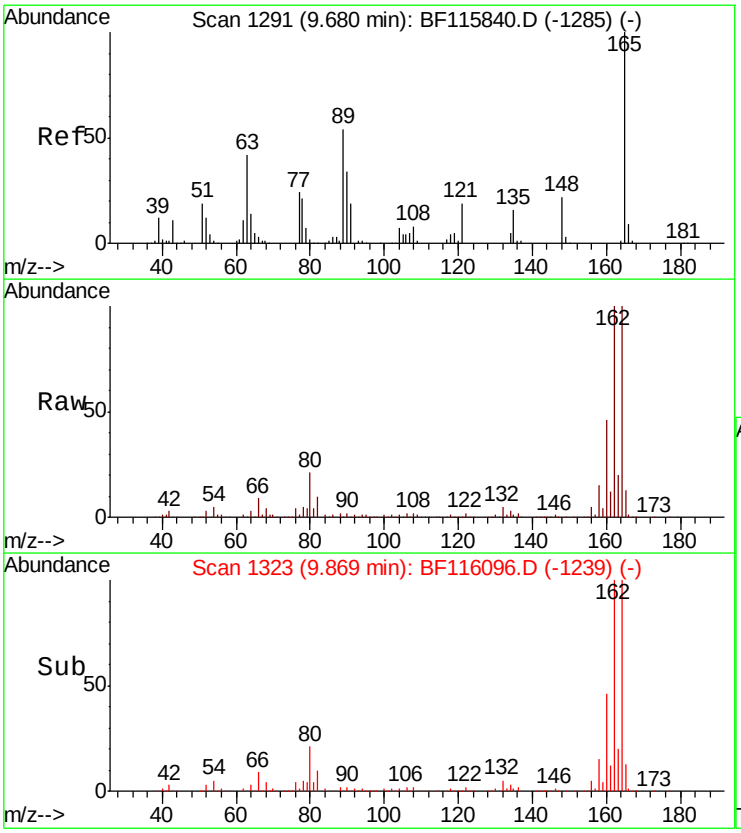

#50
Dimethylphthalate
Concen: 3.299 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:163 Resp: 63678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.0 | 4.6 |
| 164 | 9.2 | 8.4 | 12.6 |

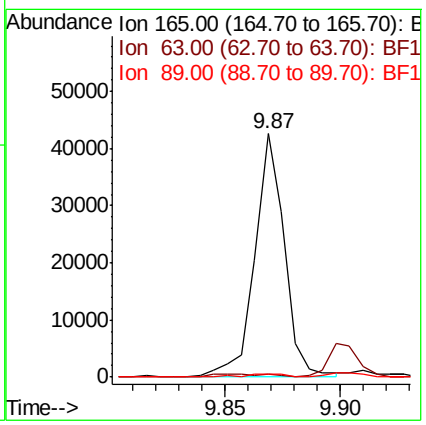


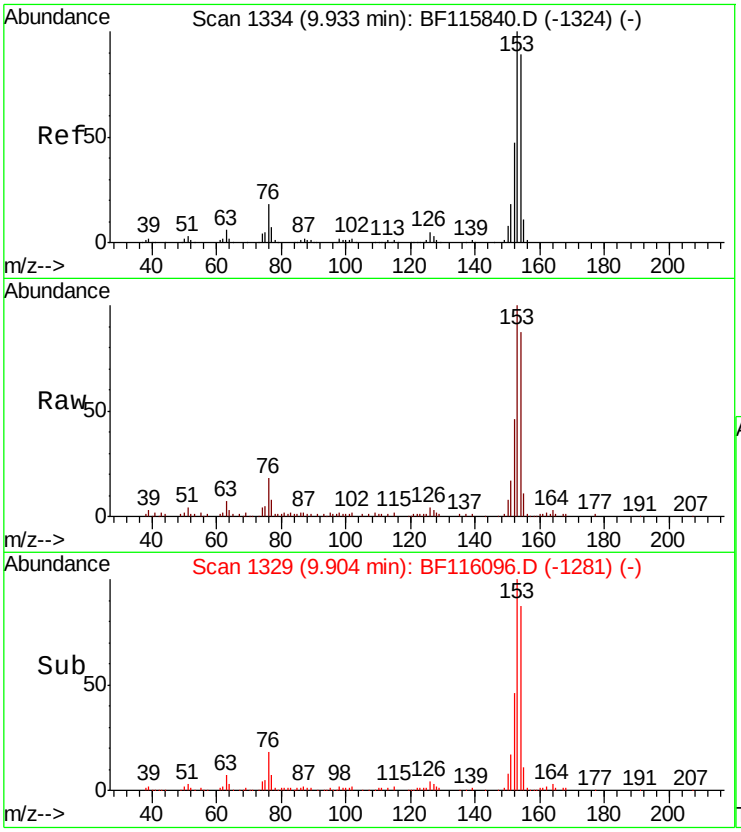




#51
2,6-Dinitrotoluene
Concen: 9.156 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:165 Resp: 38407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 38.2 | 57.2# |
| 89 | 1.4 | 42.9 | 64.3# |



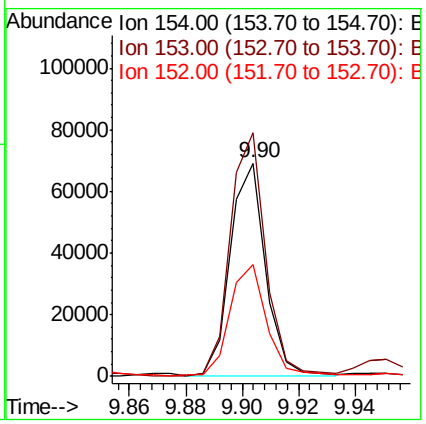


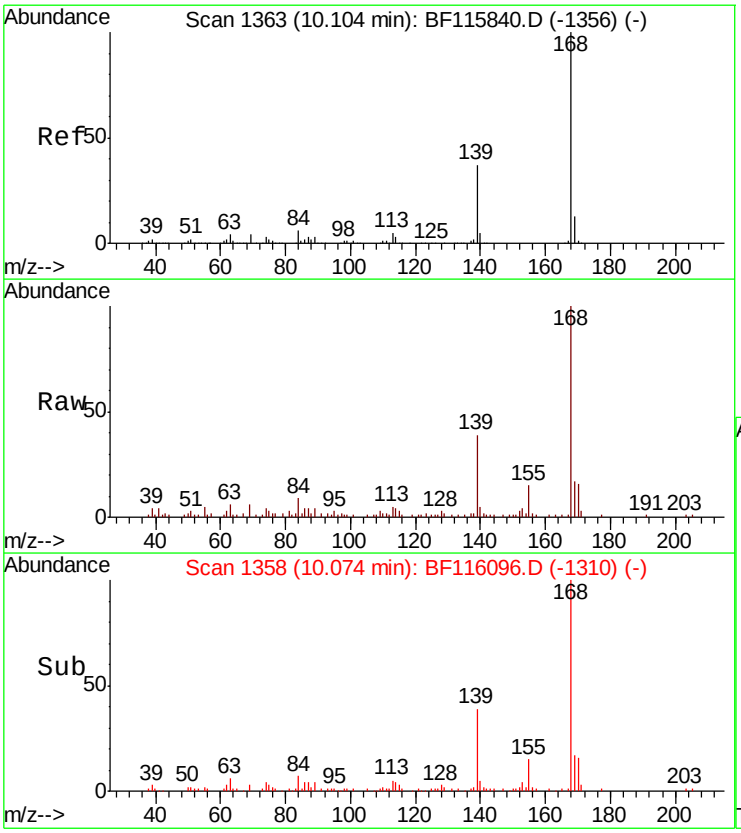

#52
Acenaphthene
Concen: 3.968 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:154 Resp: 59160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.3 | 89.4 | 134.0 |
| 152 | 52.4 | 42.3 | 63.5 |

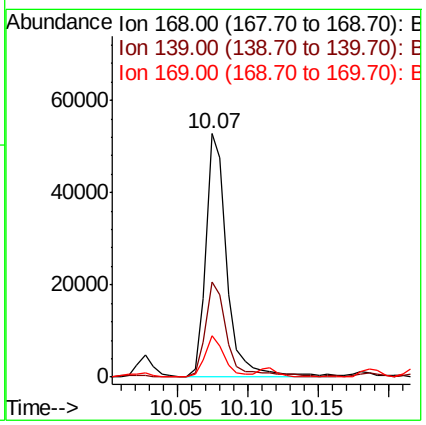


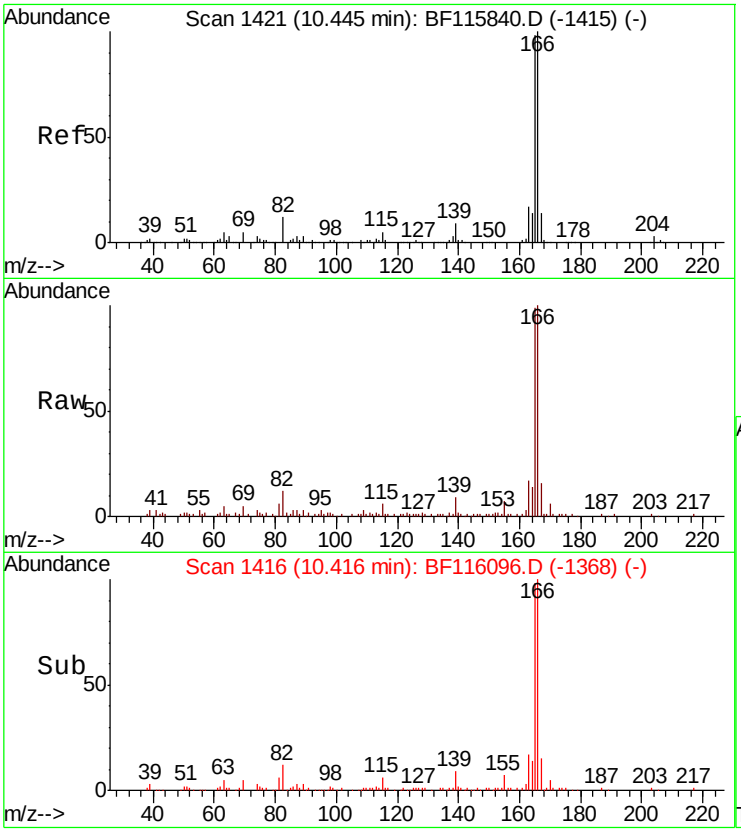




#55
Dibenzofuran
Concen: 2.544 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:168 Resp: 55153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.9 | 31.4 | 47.2 |
| 169 | 17.3 | 10.9 | 16.3# |



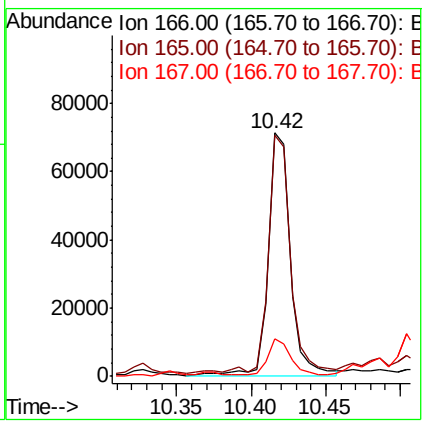


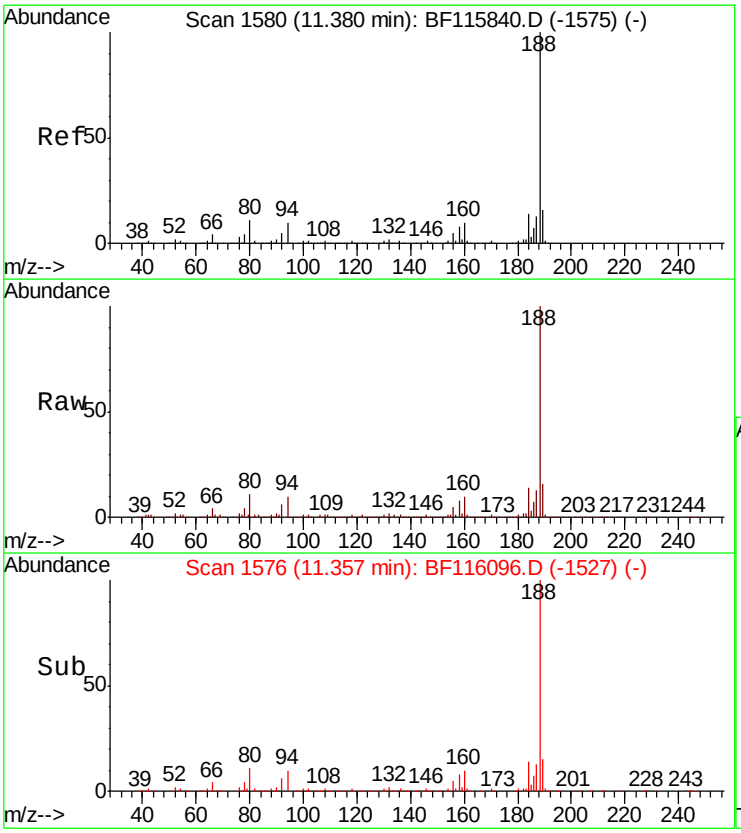

#58
Fluorene
Concen: 4.439 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:166 Resp: 74052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.4 | 117.6 |
| 167 | 15.5 | 11.0 | 16.4 |

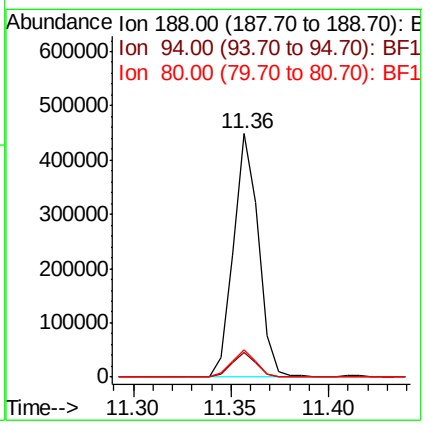


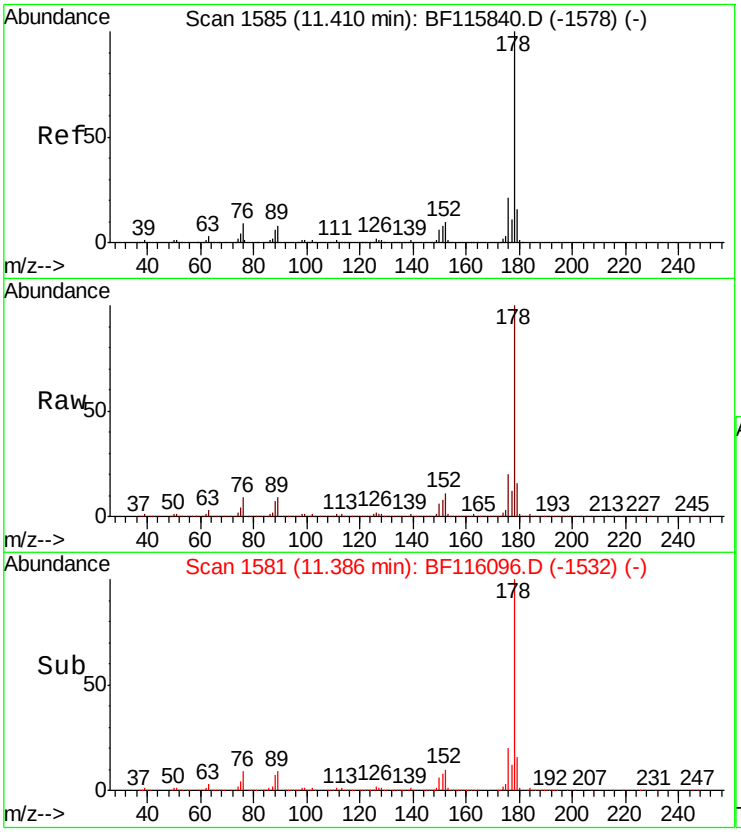




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:188 Resp: 398560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.4 | 8.7 | 13.1 |



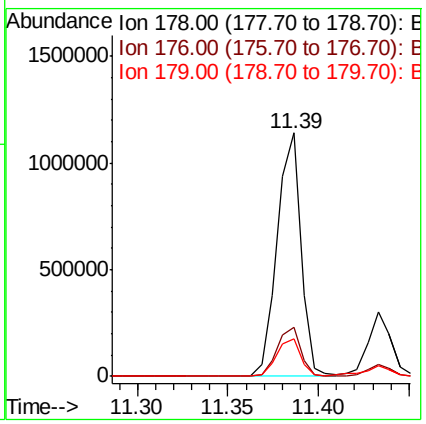


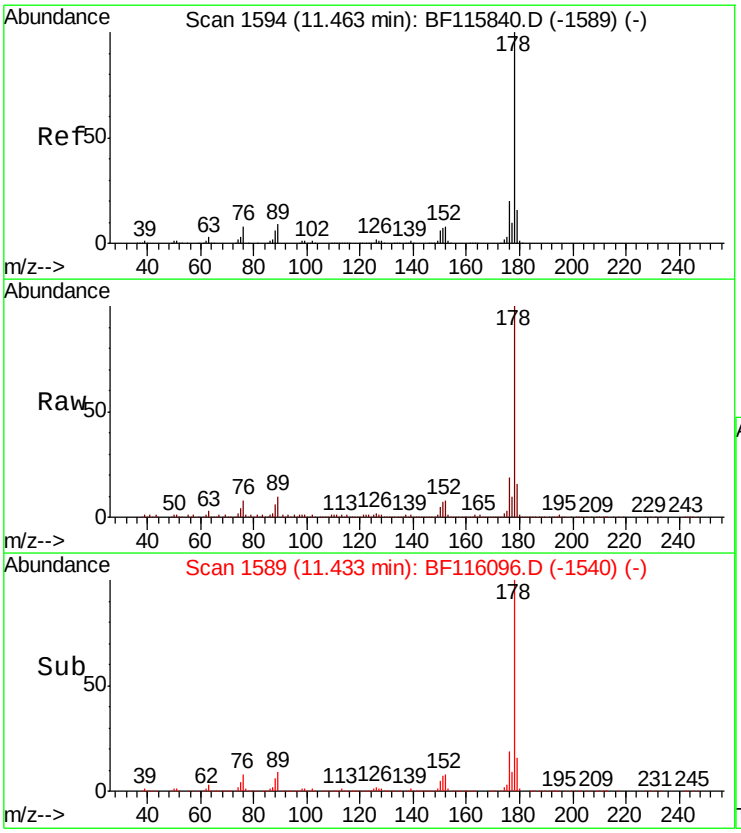

#71
Phenanthrene
Concen: 51.101 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:178 Resp: 1041205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 16.6 | 24.8 |
| 179 | 15.6 | 12.5 | 18.7 |

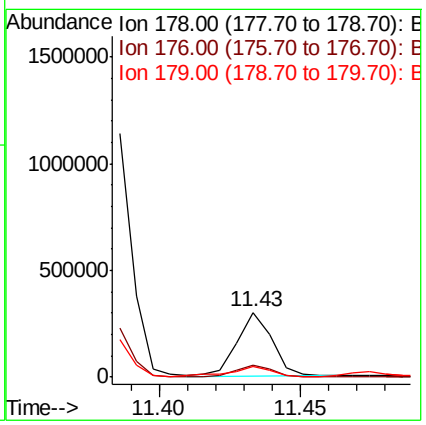


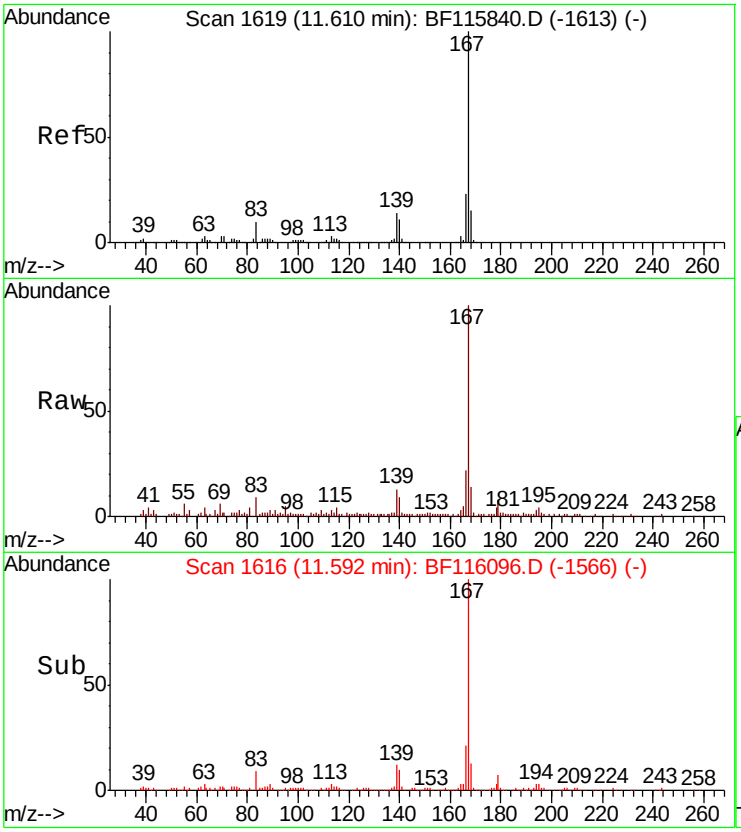




#72
Anthracene
Concen: 12.250 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:178 Resp: 252612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.7 | 23.5 |
| 179 | 16.2 | 13.0 | 19.6 |



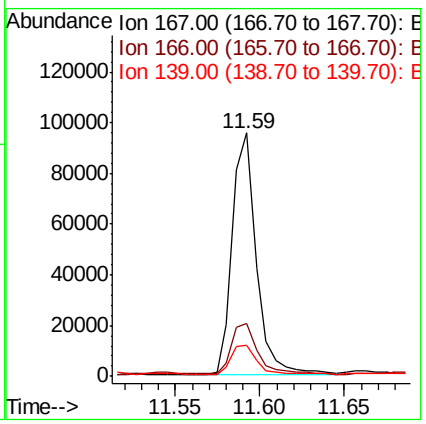


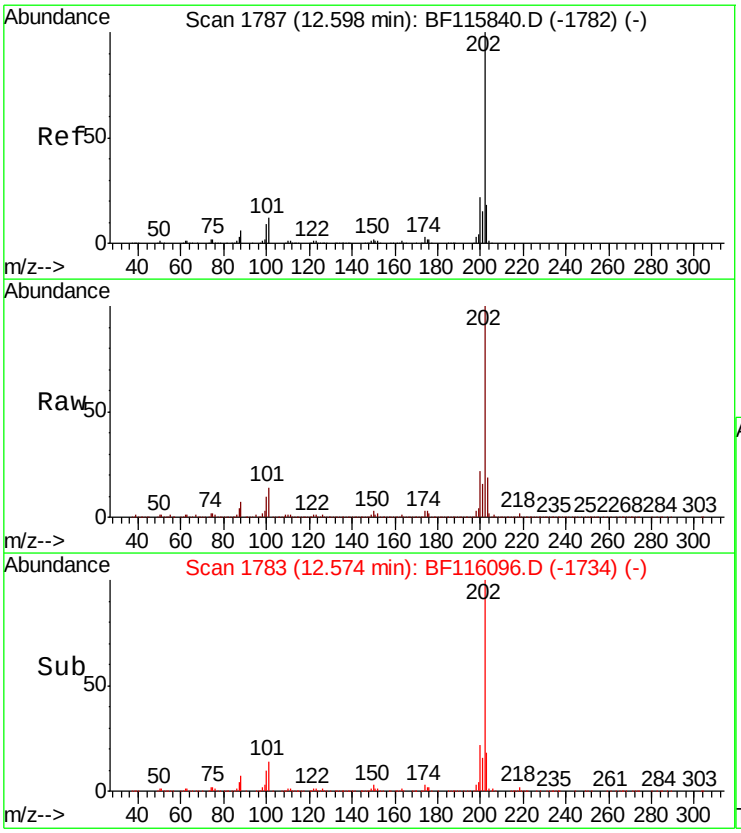

#73
Carbazole
Concen: 5.041 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:167 Resp: 94306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.8 | 26.6 |
| 139 | 12.8 | 11.4 | 17.0 |

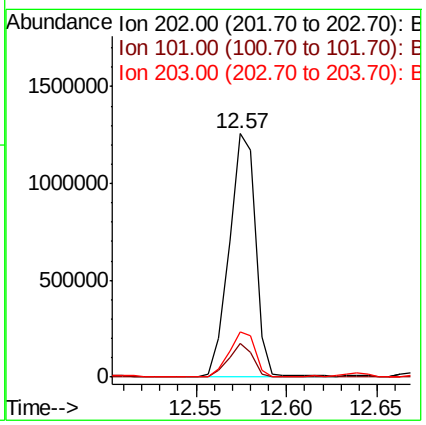


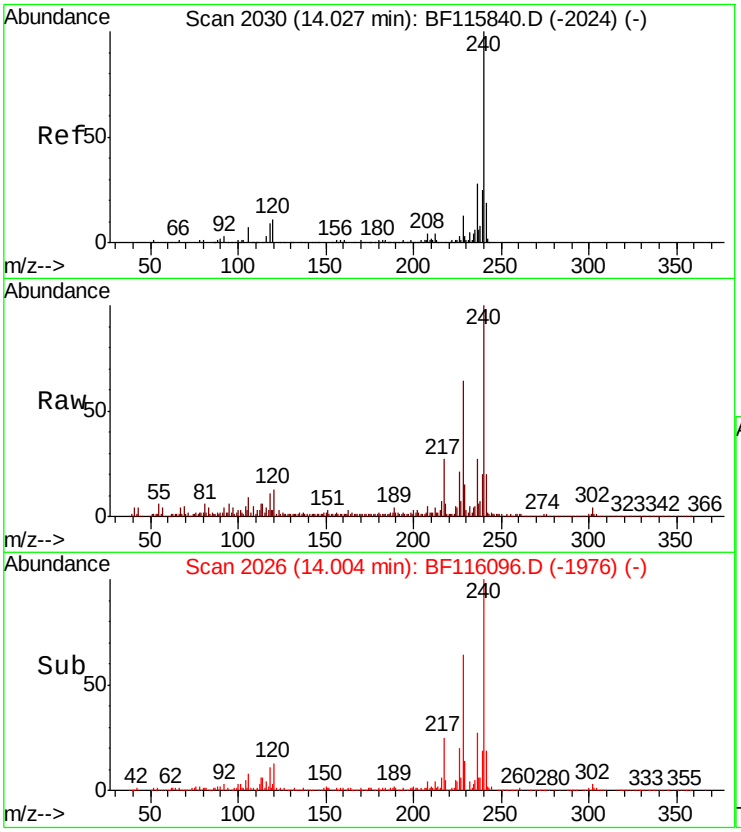




#75
Fluoranthene
Concen: 59.583 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:202 Resp: 1270958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 0.0 | 31.2 |
| 203 | 18.6 | 0.0 | 37.8 |



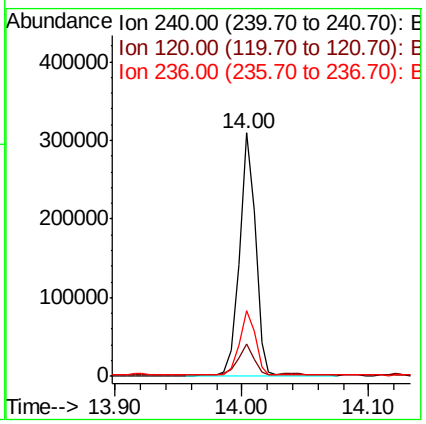


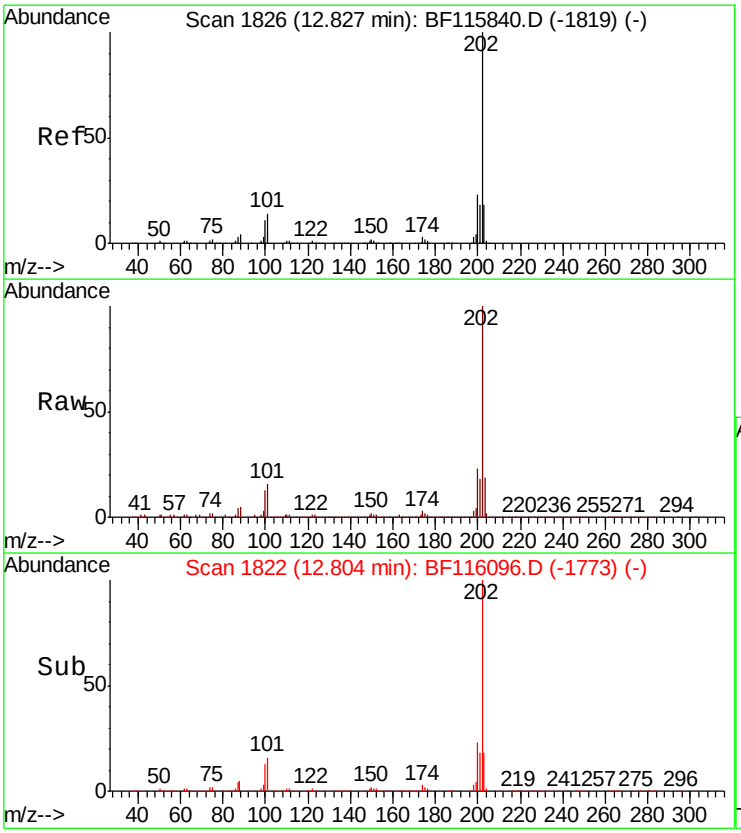

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:240 Resp: 264410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.1 | 10.7 | 16.1 |
| 236 | 27.2 | 22.2 | 33.2 |

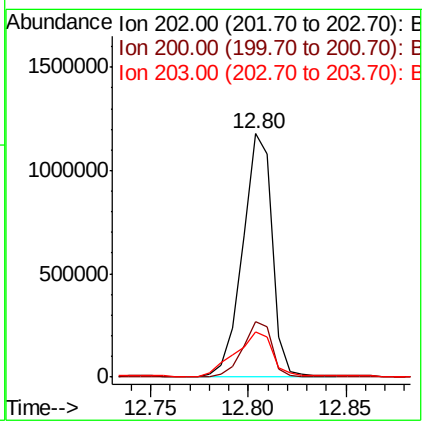


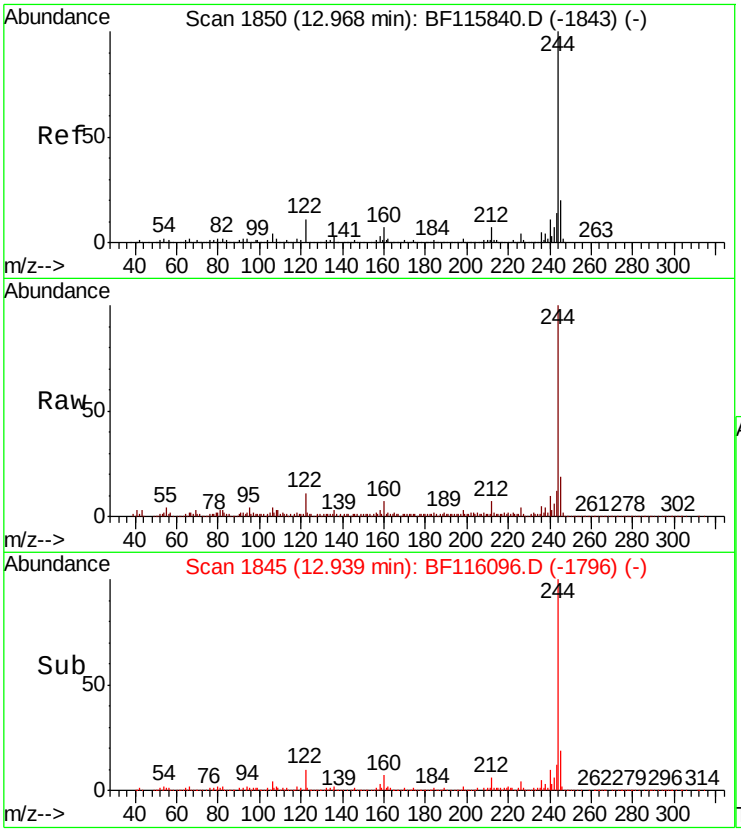




#78
Pyrene
Concen: 61.500 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:202 Resp: 1225788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.6 | 18.0 | 27.0 |
| 203 | 18.6 | 14.1 | 21.1 |



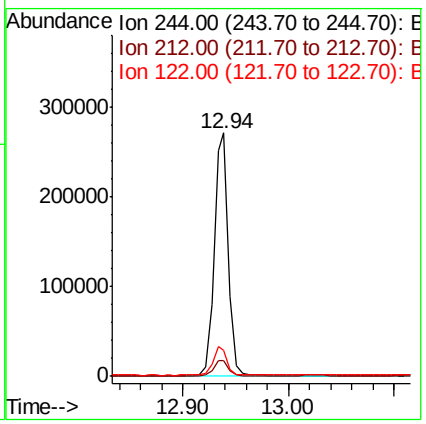


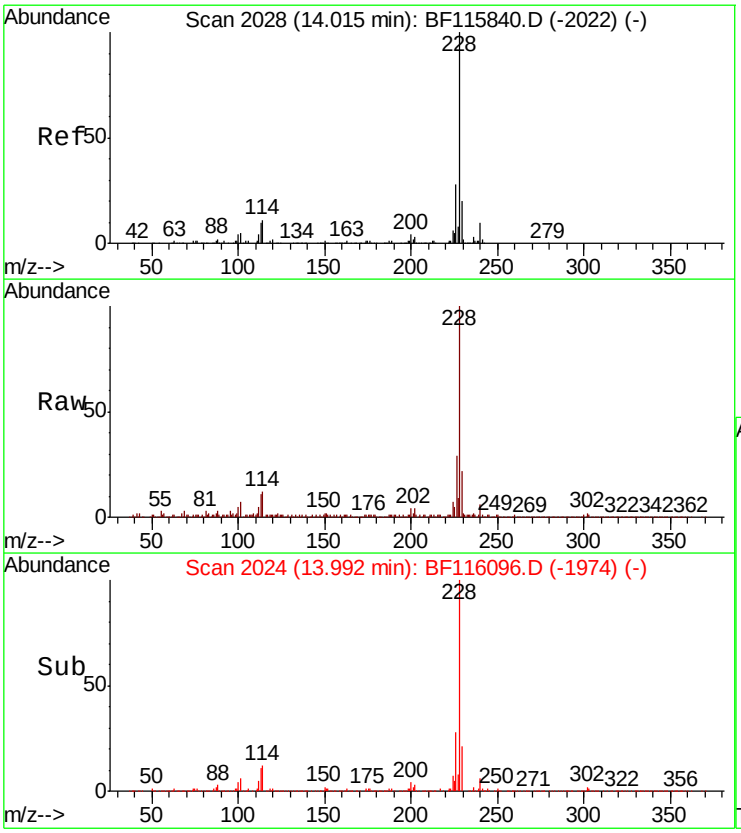

#79
Terphenyl-d14
Concen: 20.318 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:244 Resp: 254953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.8 | 8.8 |
| 122 | 10.6 | 9.0 | 13.4 |

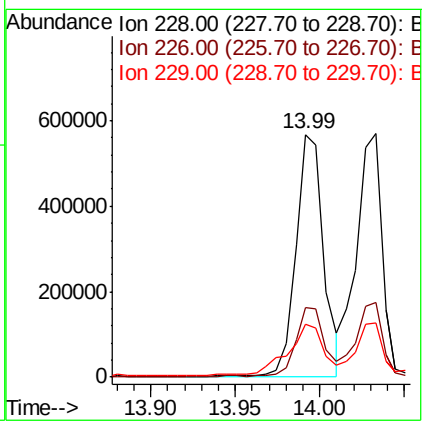


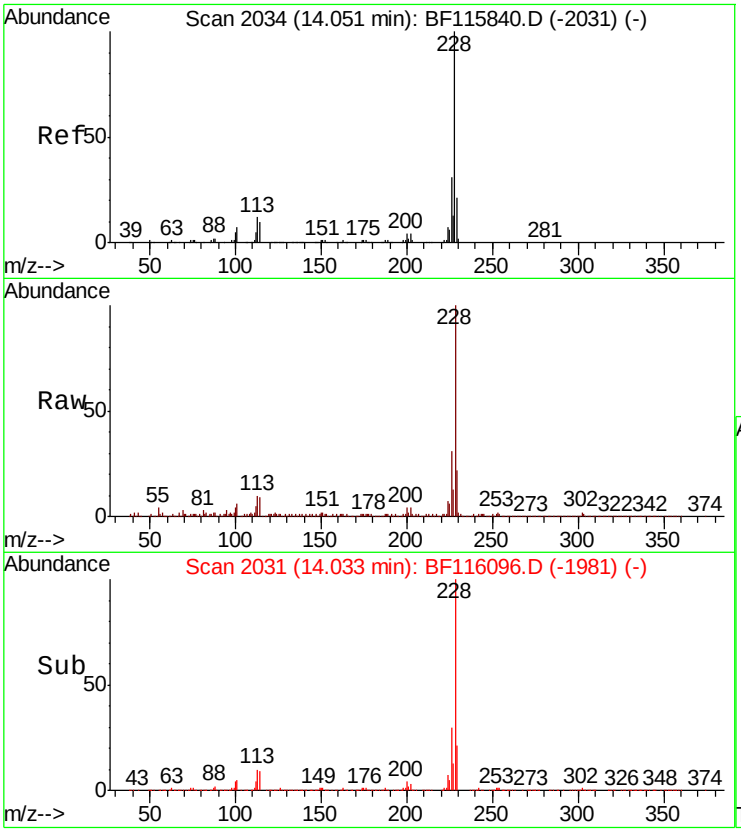




#81
Benzo(a)anthracene
Concen: 37.923 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:228 Resp: 640904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 22.7 | 34.1 |
| 229 | 21.9 | 16.2 | 24.4 |



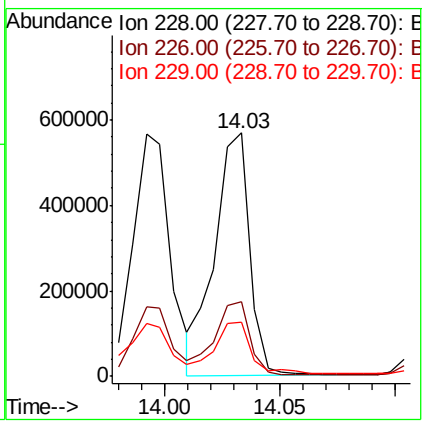


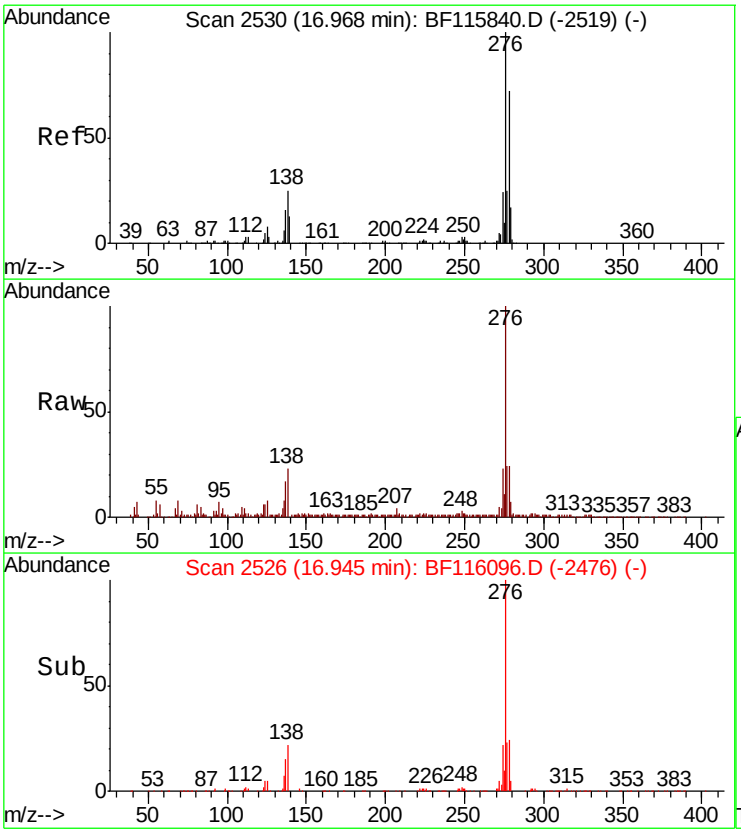

#83
Chrysene
Concen: 36.509 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:228 Resp: 599018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 25.5 | 38.3 |
| 229 | 22.3 | 16.6 | 24.8 |

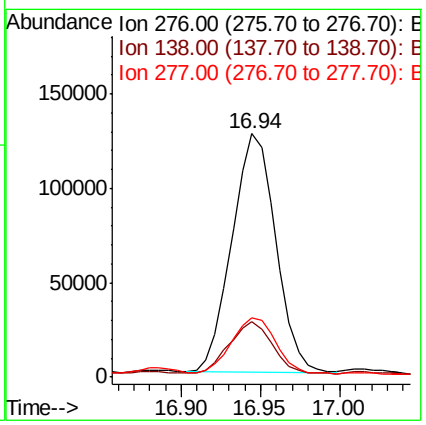


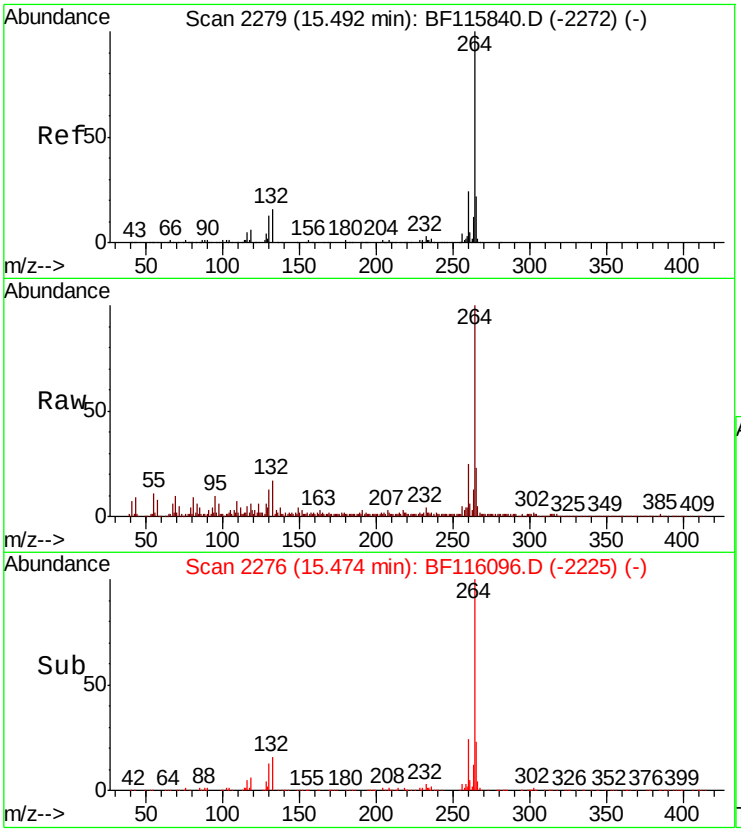




#86
Indeno(1,2,3-cd)pyrene
Concen: 17.604 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:276 Resp: 242585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.0 | 20.4 | 30.6 |
| 277 | 24.4 | 20.0 | 30.0 |



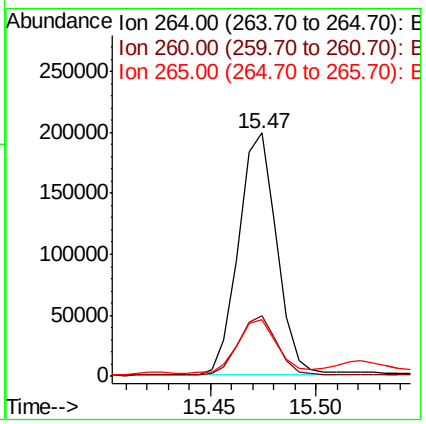


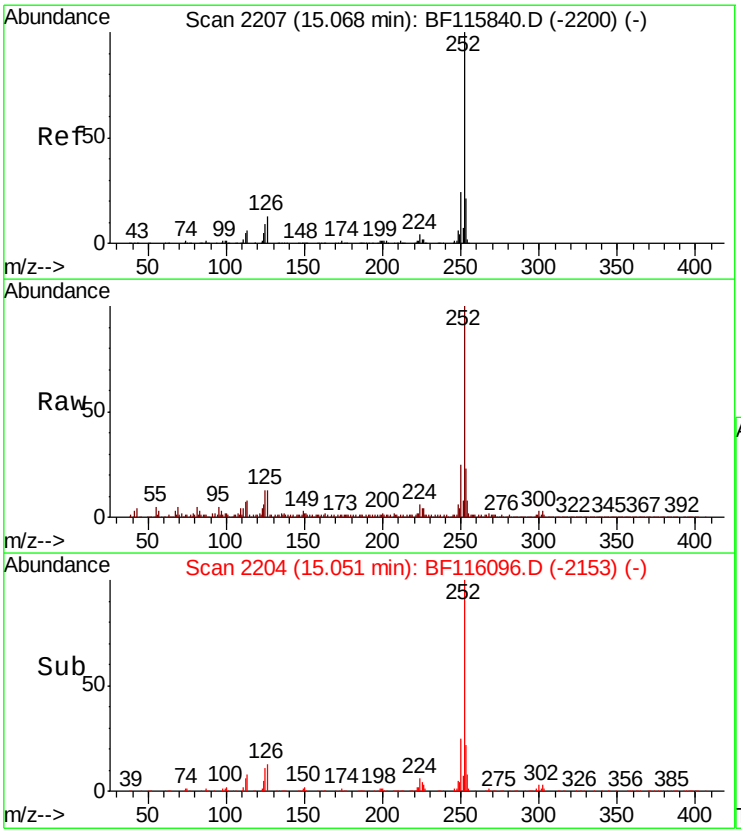

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:264 Resp: 248496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.7 | 29.5 |
| 265 | 23.4 | 17.4 | 26.0 |

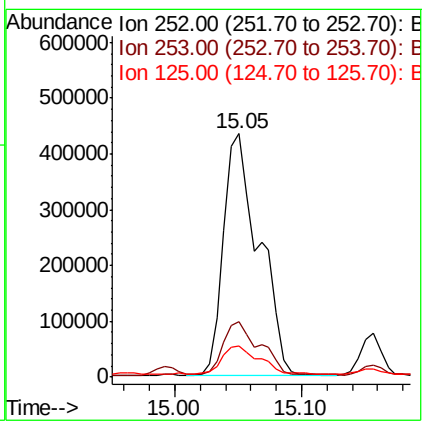


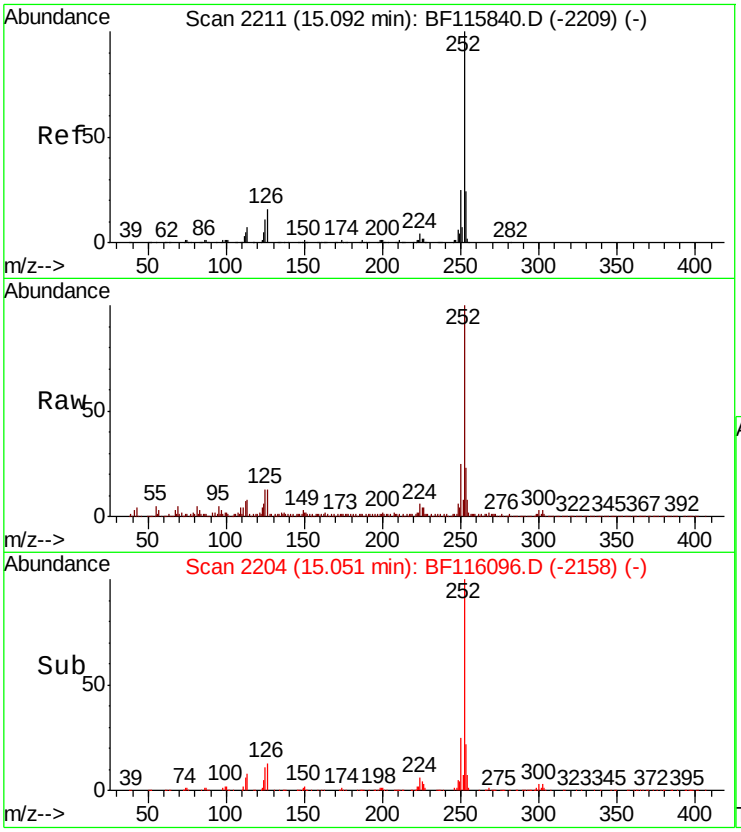




#88
Benzo(b)fluoranthene
Concen: 59.078 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:252 Resp: 848851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.8 | 26.8 |
| 125 | 12.8 | 8.4 | 12.6# |



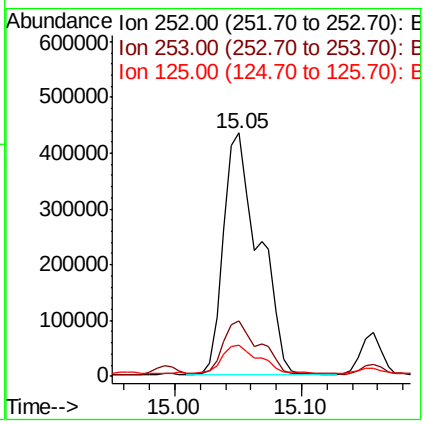


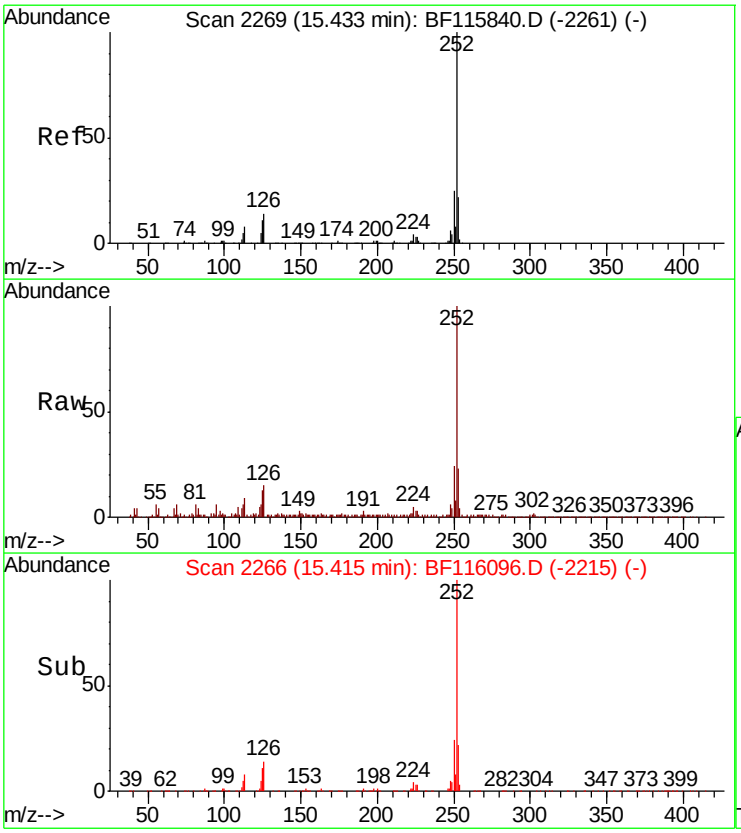

#89
Benzo(k)fluoranthene
Concen: 60.654 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:252 Resp: 848851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.8 | 26.8 |
| 125 | 12.8 | 7.7 | 11.5# |

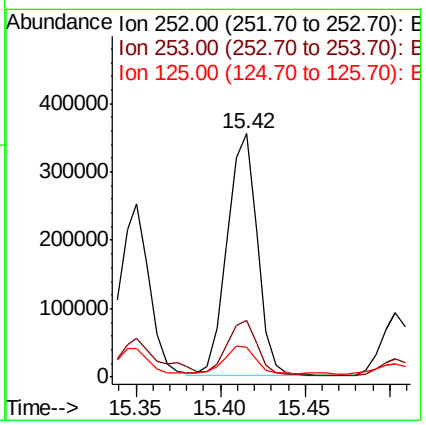


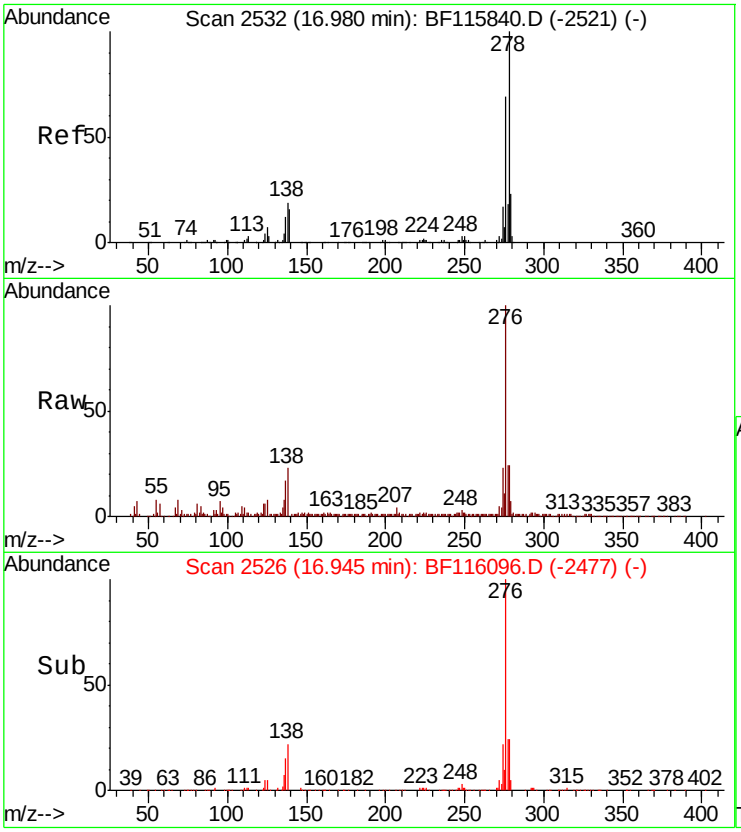




#90
Benzo(a)pyrene
Concen: 34.274 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:252 Resp: 440224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.0 | 27.0 |
| 125 | 12.5 | 8.9 | 13.3 |



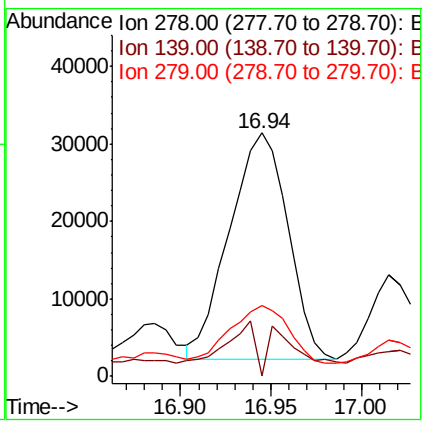


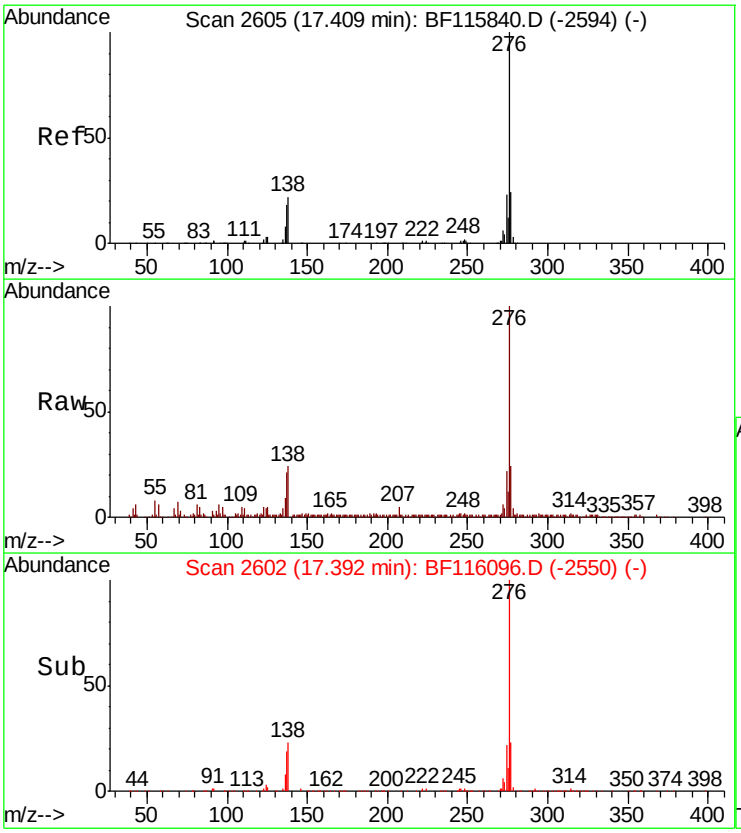

#91
Dibenzo(a,h)anthracene
Concen: 5.869 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

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

Tgt Ion:278 Resp: 65254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 12.8 | 19.2# |
| 279 | 29.3 | 18.8 | 28.2# |




#92
Benzo(g,h,i)perylene
Concen: 21.550 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion:276 Resp: 235304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 18.4 | 27.6 |
| 138 | 23.9 | 17.0 | 25.6 |