Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115615.D
Acq On : 16 Jul 2019 23:18
Operator : HP/JU
Sample : K3740-06RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 17 03:56:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 146377 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 529491 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 251361 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 471793 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 322940 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.53 | 264 | 278849 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 607209 | 67.85 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 797093 | 70.20 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 467721 | 51.36 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 150243 | 51.21 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 891707 | 62.09 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 931672 | 53.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.44 | 70 | 60533 | 8.174 | ng | # | 79 |
| 25) Isophorone | 7.44 | 82 | 457994 | 25.135 | ng | # | 64 |
| 50) Dimethylphthalate | 9.63 | 163 | 217360 | 11.493 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 9.92 | 165 | 32724 | 5.877 | ng | # | 24 |
| 71) Phenanthrene | 11.43 | 178 | 370153 | 15.306 | ng | | 97 |
| 72) Anthracene | 11.49 | 178 | 96391 | 3.857 | ng | | 96 |
| 75) Fluoranthene | 12.63 | 202 | 969342 | 37.931 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 897657 | 32.808 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 508041 | 23.879 | ng | | 99 |
| 83) Chrysene | 14.08 | 228 | 454959 | 21.302 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 17.02 | 276 | 165482 | 9.120 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 692571 | 38.571 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 692571 | 43.263 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 294823 | 19.104 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.03 | 278 | 44244 | 3.266 | ng | # | 80 |
| 92) Benzo(g,h,i)perylene | 17.46 | 276 | 164893 | 12.203 | ng | | 94 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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Acq On : 16 Jul 2019 23:18
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Sample : K3740-06RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 17 03:56:48 2019
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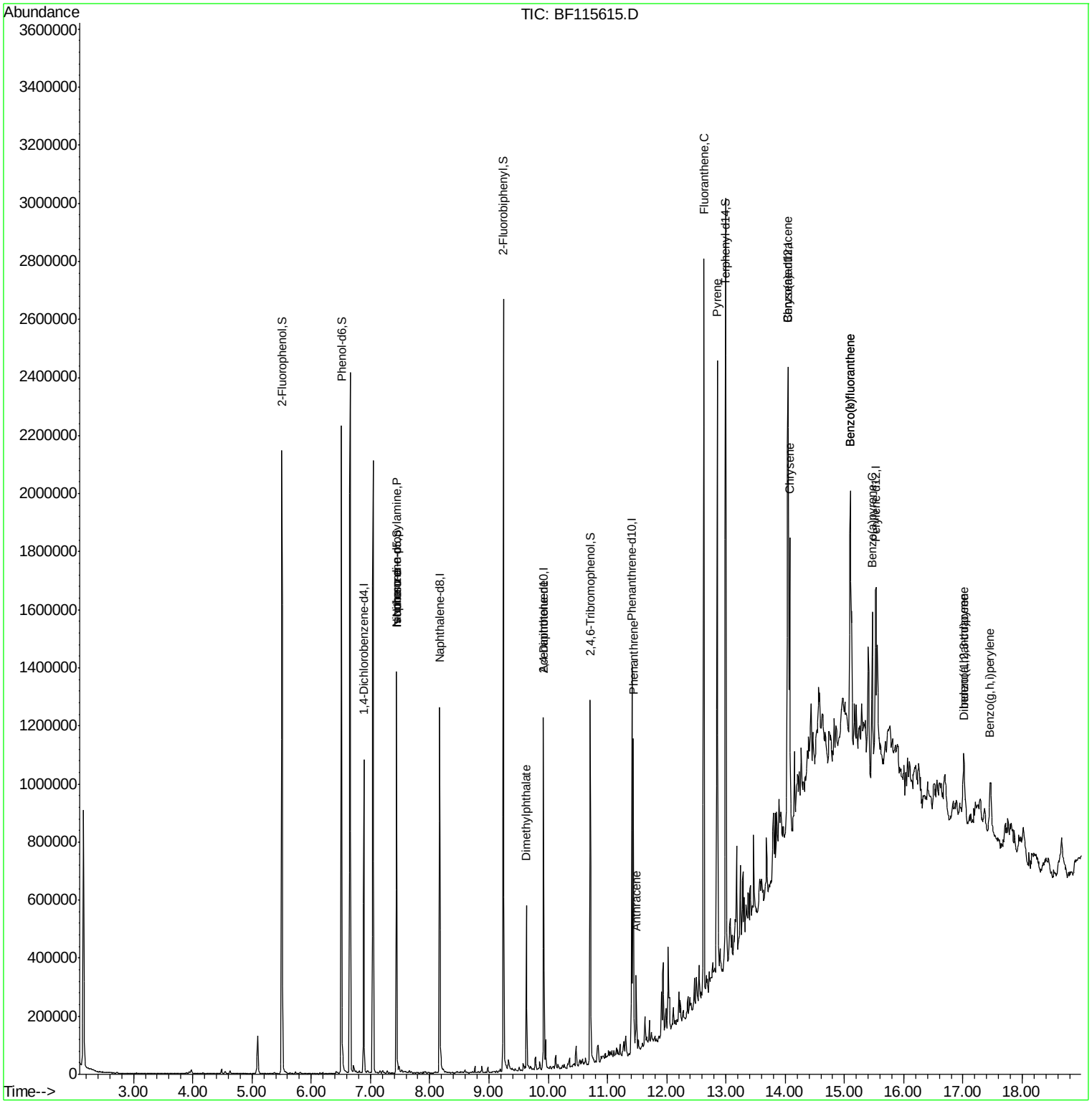
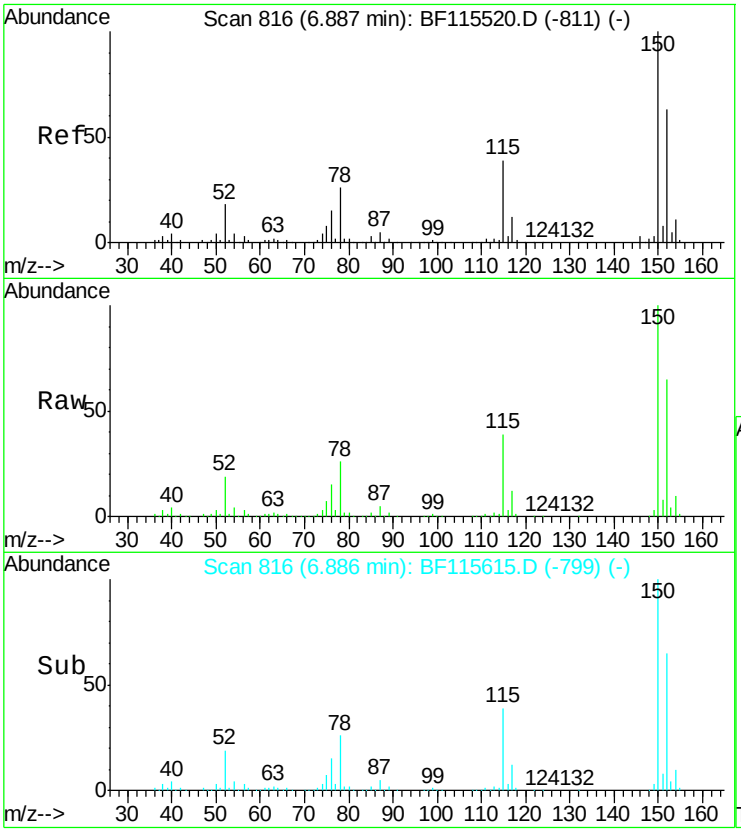
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



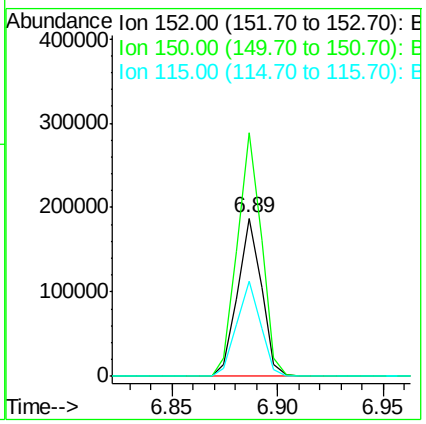


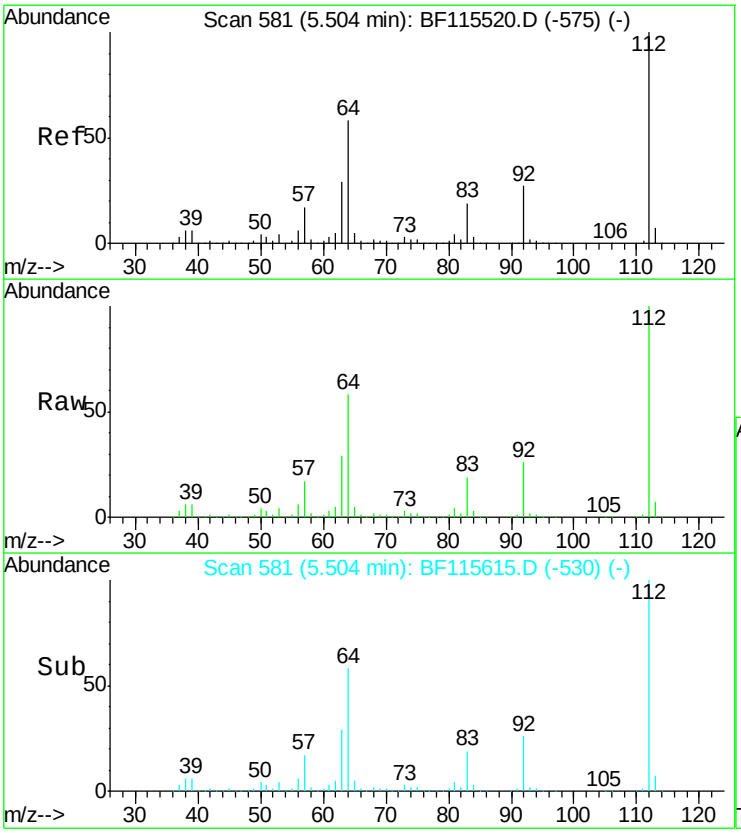

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:152 Resp: 146377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.1 | 129.7 | 194.5 |
| 115 | 60.3 | 48.2 | 72.4 |

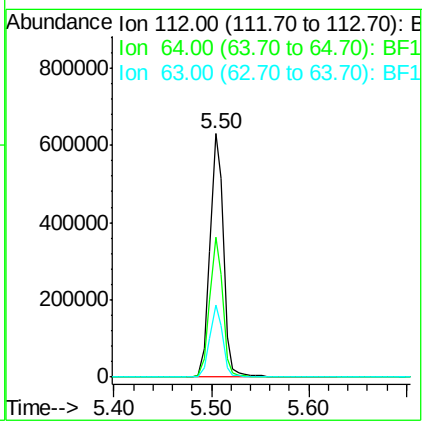


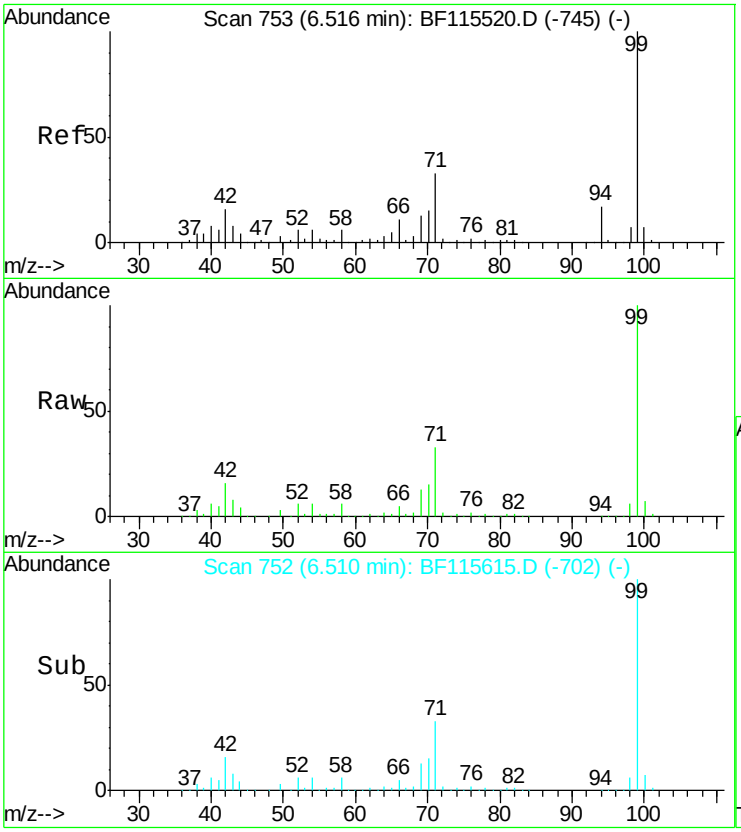




#5
2-Fluorophenol
Concen: 67.853 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:112 Resp: 607209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 46.8 | 70.2 |
| 63 | 29.5 | 24.1 | 36.1 |



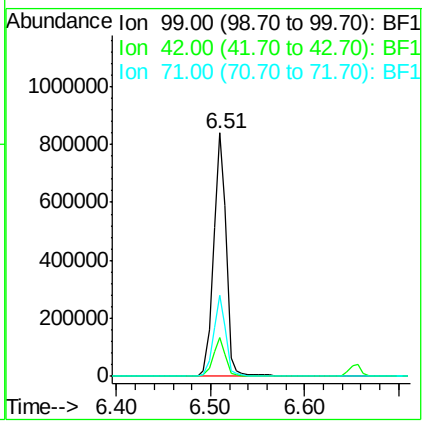


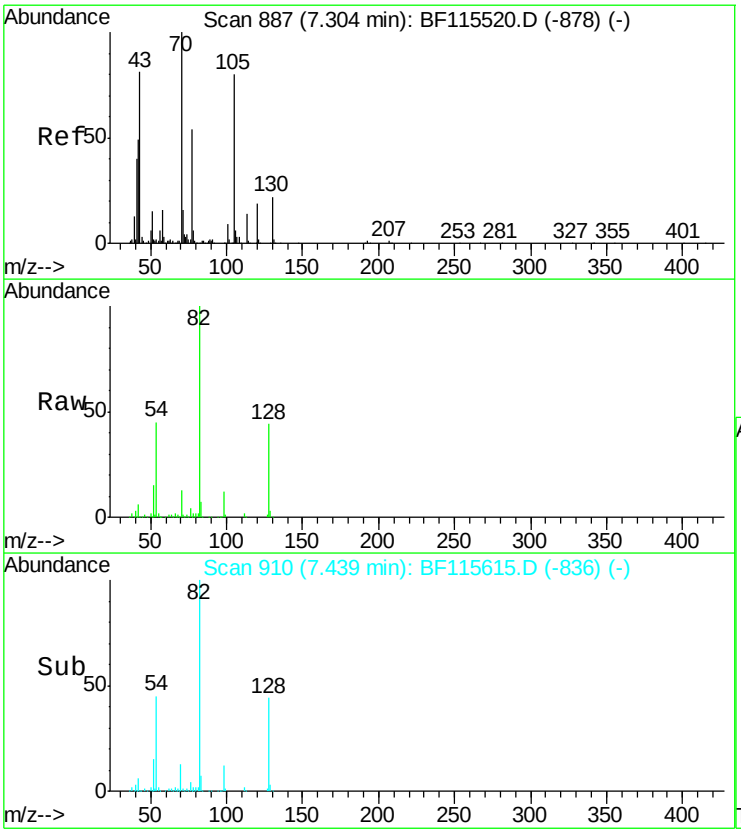

#7
Phenol-d6
Concen: 70.197 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion: 99 Resp: 797093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.0 | 13.6 | 20.4 |
| 71 | 33.3 | 28.5 | 42.7 |

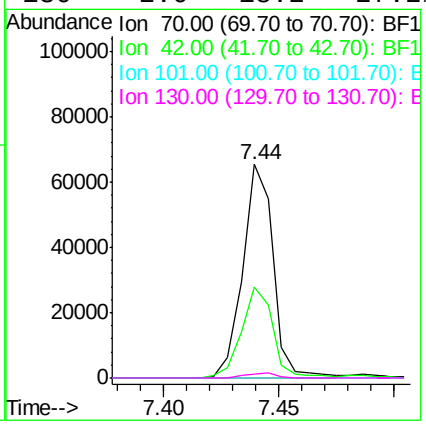


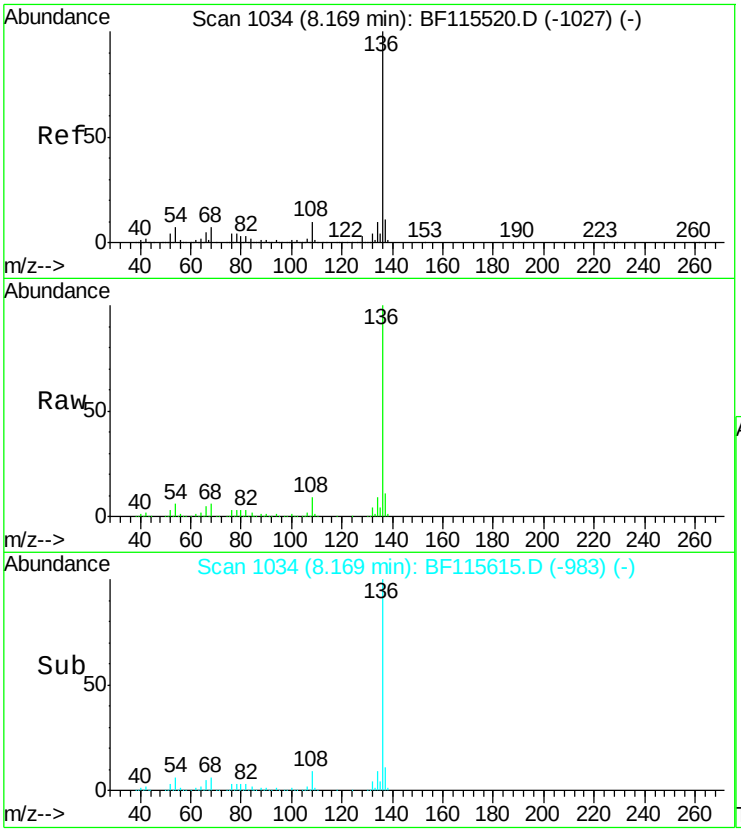




#19
n-Nitroso-di-n-propylamine
Concen: 8.174 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion: 70 Resp: 60533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.7 | 39.6 | 59.4 |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 2.0 | 18.2 | 27.2# |



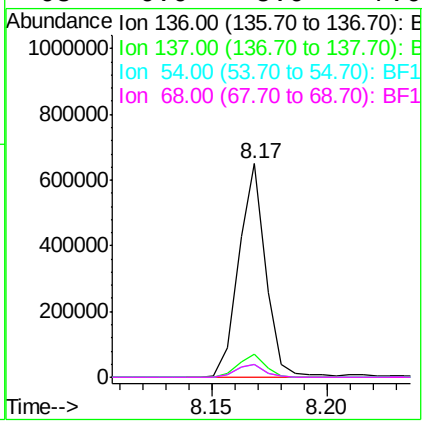


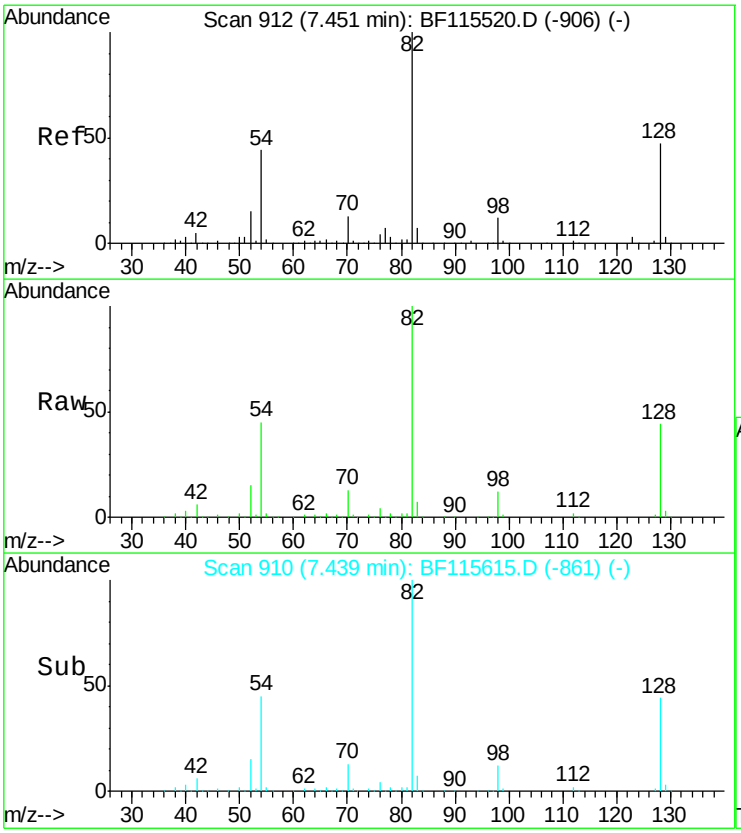

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:136 Resp: 529491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.3 | 5.6 | 8.4 |
| 68 | 6.0 | 5.0 | 7.6 |

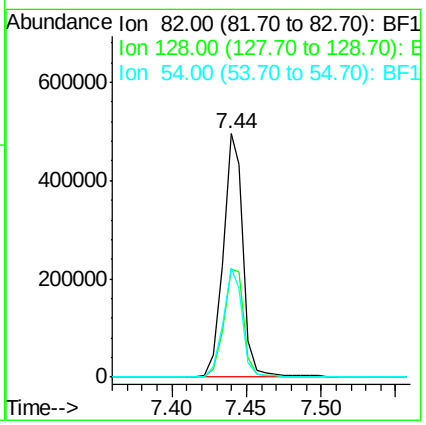


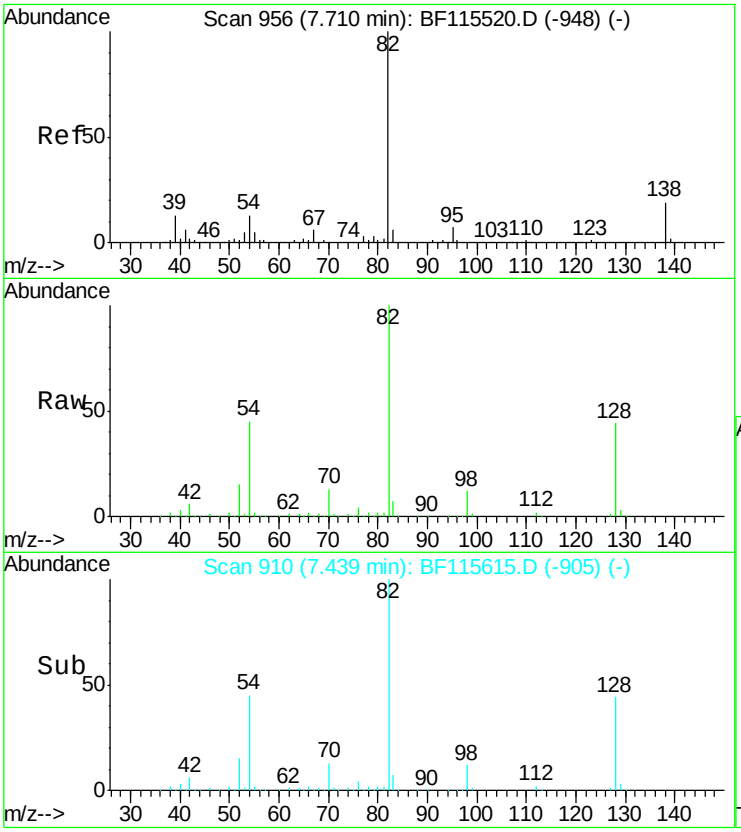




#23
Nitrobenzene-d5
Concen: 51.363 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion: 82 Resp: 467721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 38.6 | 57.8 |
| 54 | 44.8 | 35.6 | 53.4 |



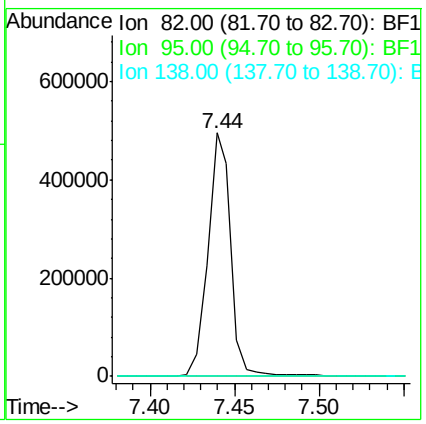


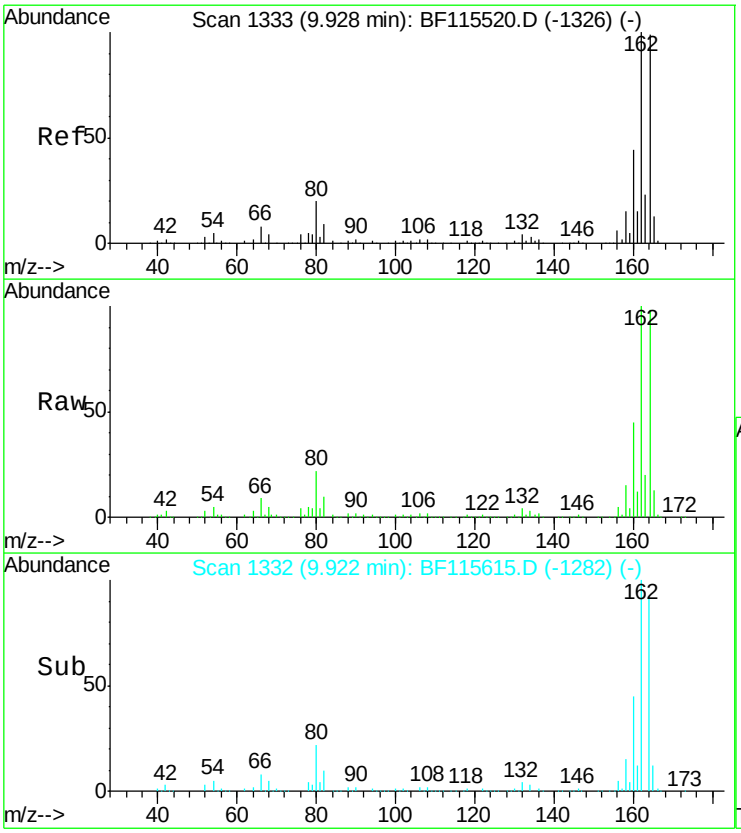

#25
Isophorone
Concen: 25.135 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.27 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion: 82 Resp: 457994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.5 | 8.3# |
| 138 | 0.0 | 14.9 | 22.3# |

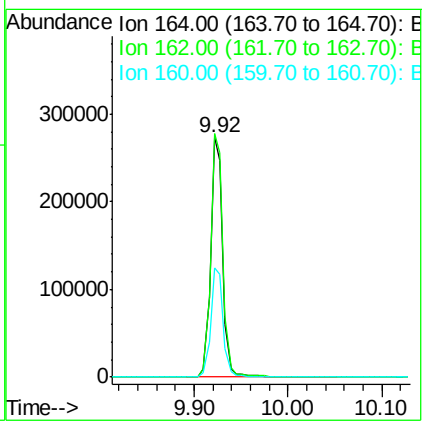


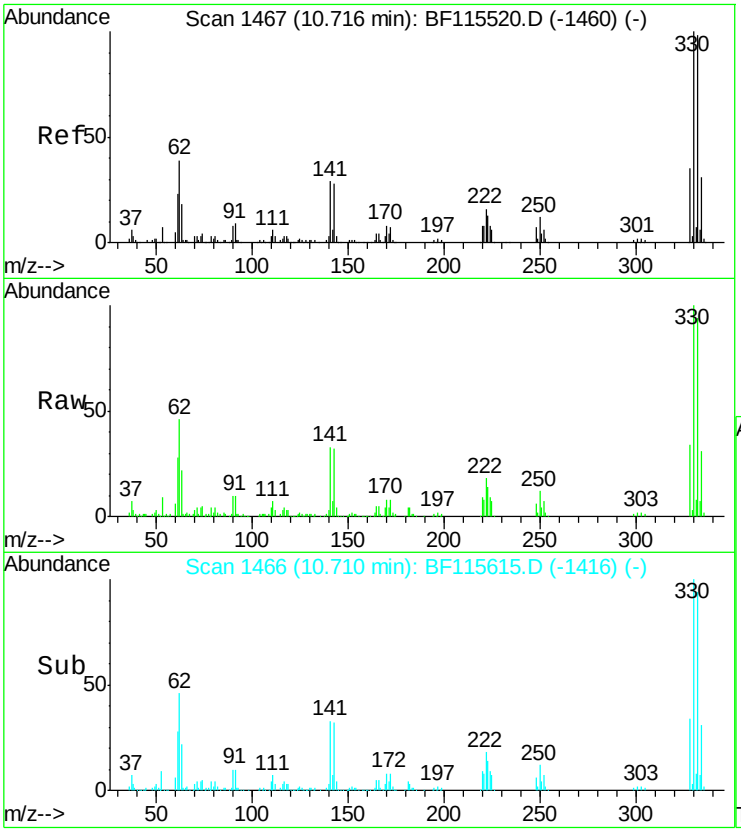




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:164 Resp: 251361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 82.9 | 124.3 |
| 160 | 45.7 | 36.8 | 55.2 |



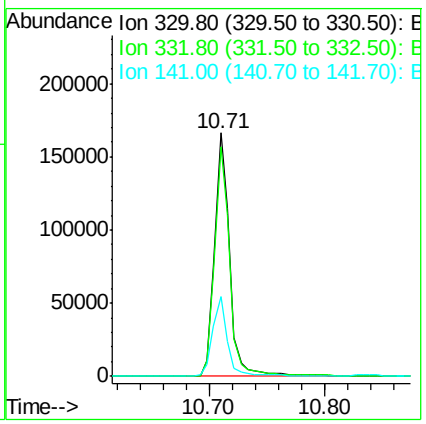


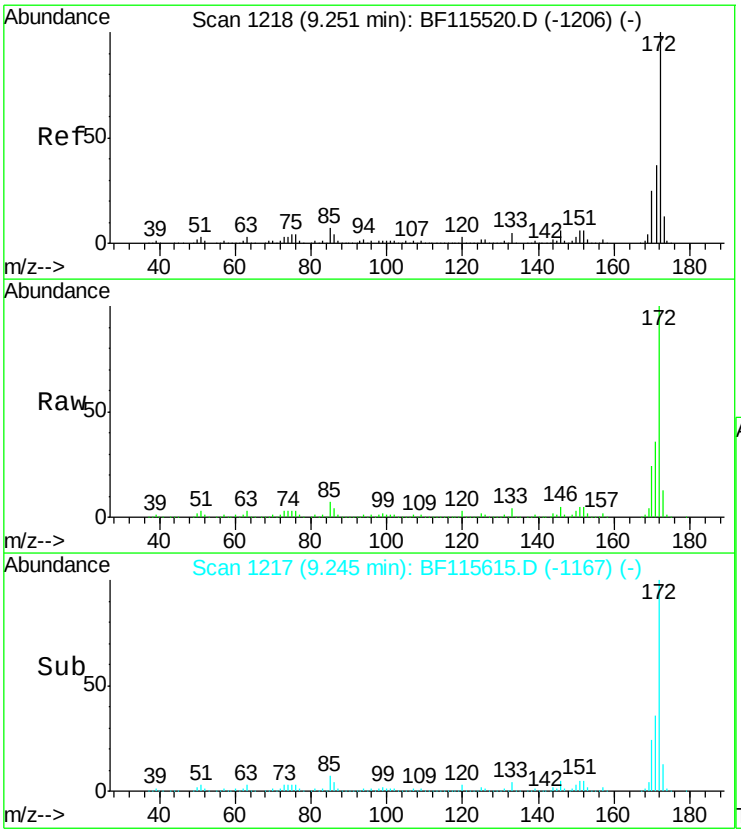

#42
2,4,6-Tribromophenol
Concen: 51.208 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:330 Resp: 150243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.4 | 116.2 |
| 141 | 31.8 | 22.4 | 33.6 |

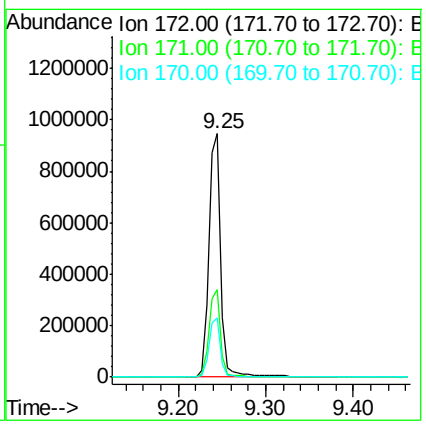


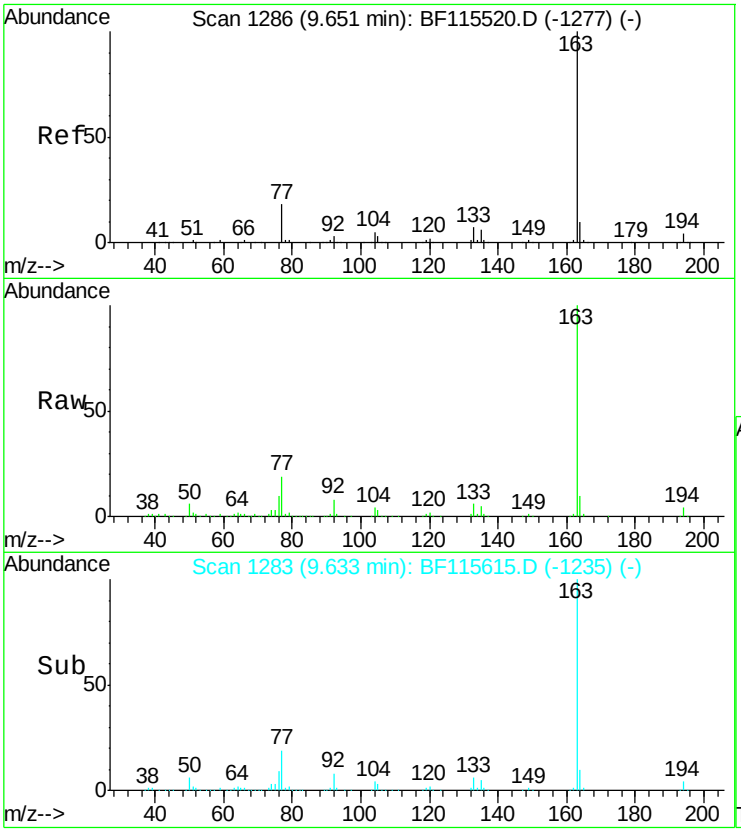




#45
2-Fluorobiphenyl
Concen: 62.092 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:172 Resp: 891707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 30.6 | 46.0 |
| 170 | 24.3 | 20.5 | 30.7 |



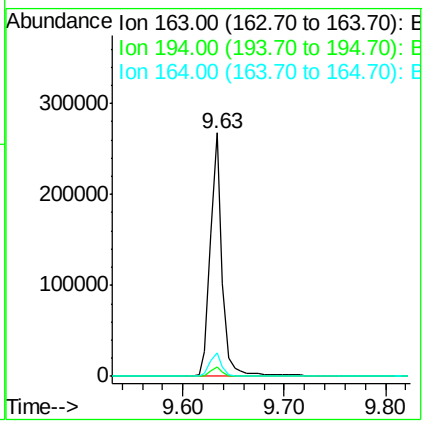


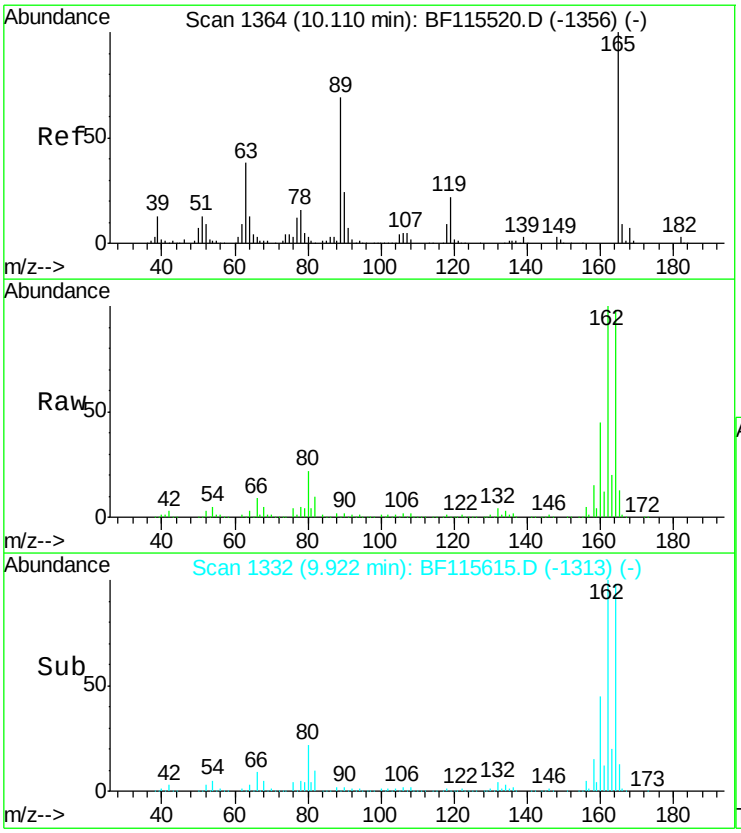

#50
Dimethylphthalate
Concen: 11.493 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:163 Resp: 217360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.3 | 4.9 |
| 164 | 9.8 | 8.7 | 13.1 |

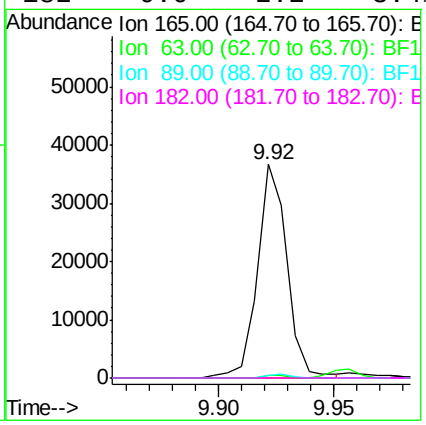


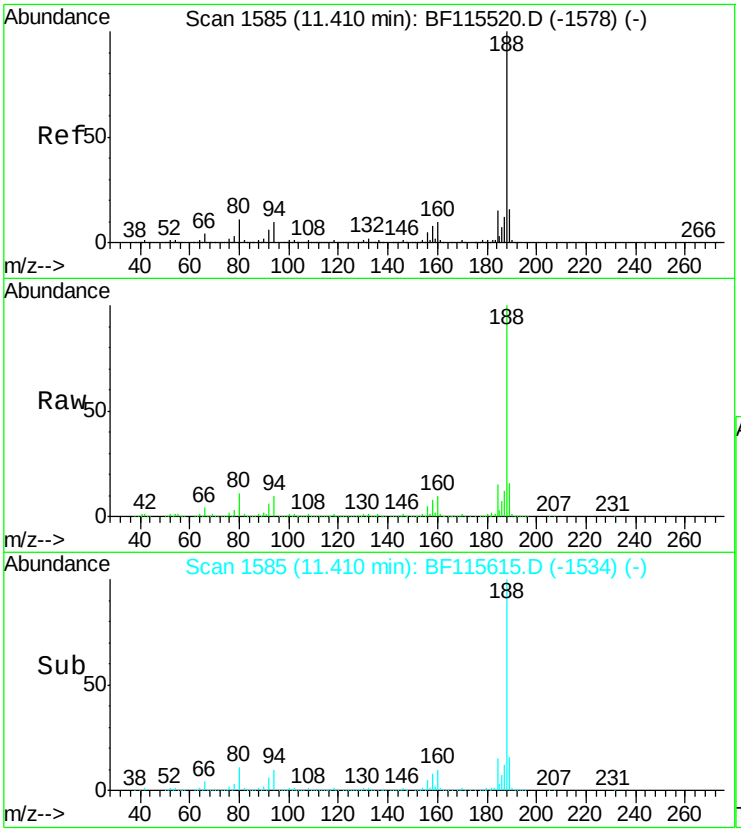




#57
2,4-Dinitrotoluene
Concen: 5.877 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.19 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:165 Resp: 32724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 34.9 | 52.3# |
| 89 | 1.3 | 57.5 | 86.3# |
| 182 | 0.0 | 2.2 | 3.4# |



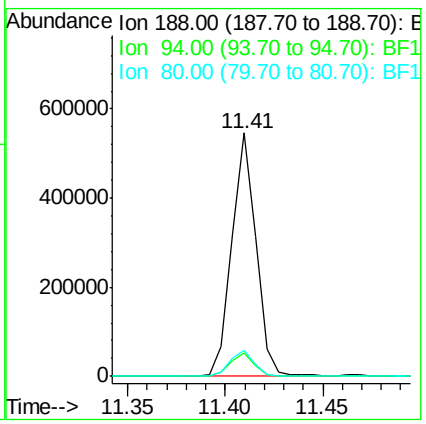


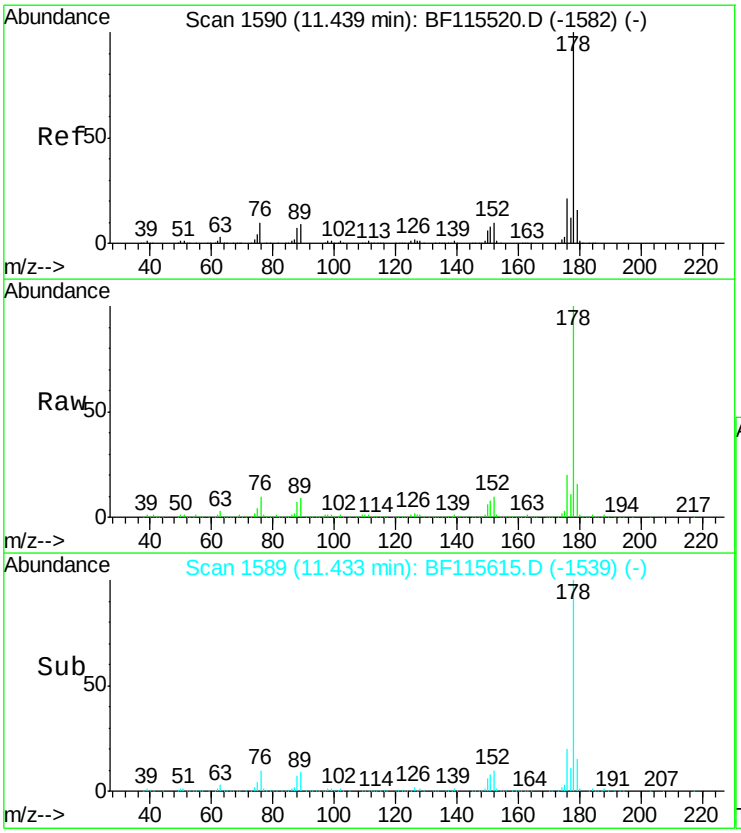

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:188 Resp: 471793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 7.8 | 11.6 |
| 80 | 10.8 | 8.6 | 13.0 |

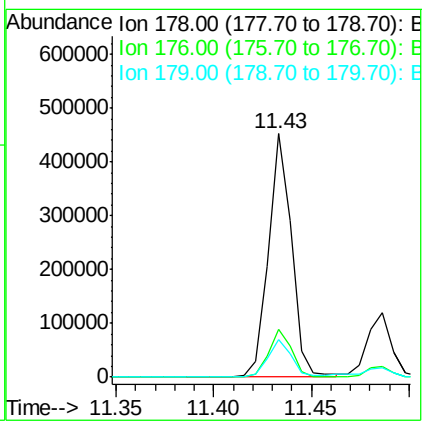


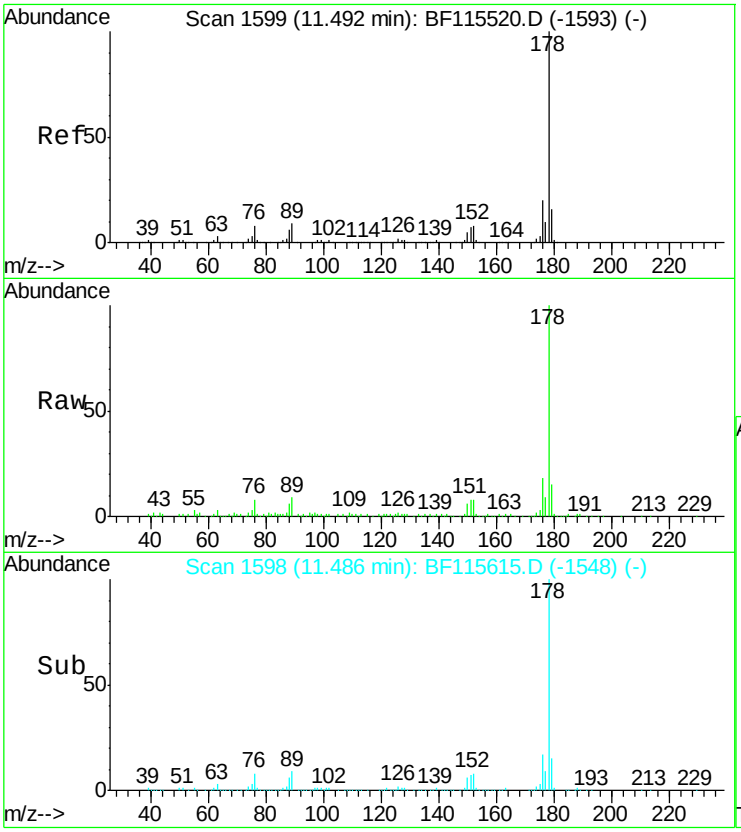




#71
Phenanthrene
Concen: 15.306 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:178 Resp: 370153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 17.2 | 25.8 |
| 179 | 15.5 | 13.5 | 20.3 |



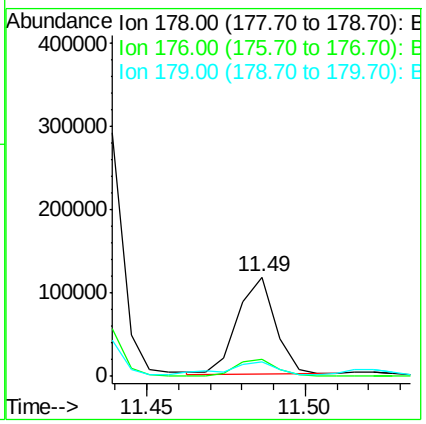


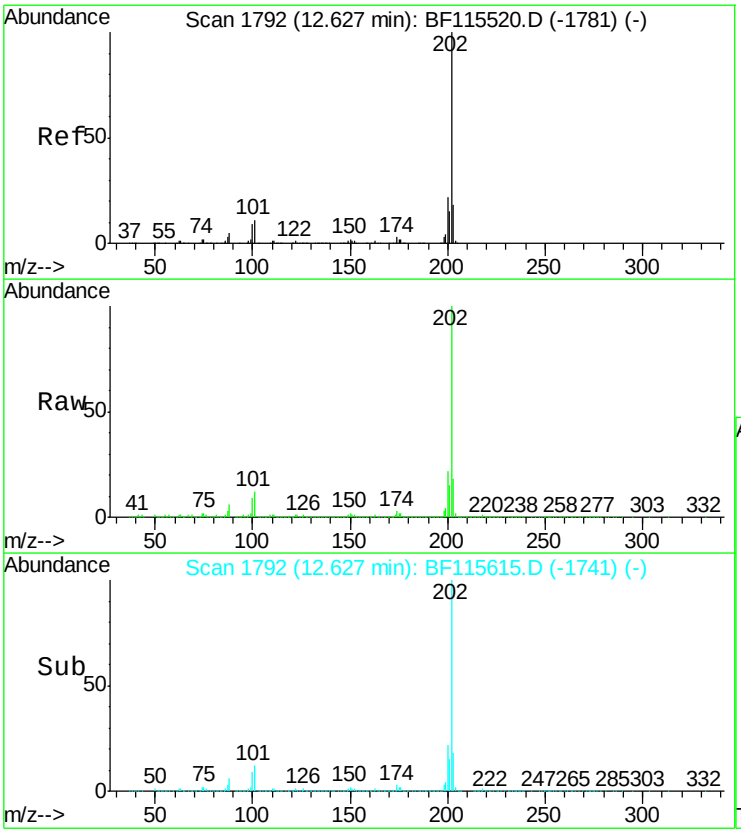

#72
Anthracene
Concen: 3.857 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:178 Resp: 96391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.6 | 15.9 | 23.9 |
| 179 | 15.2 | 12.7 | 19.1 |

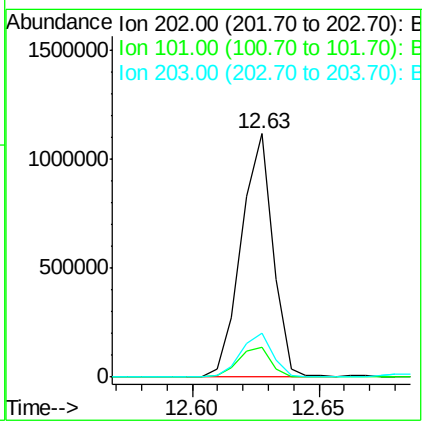


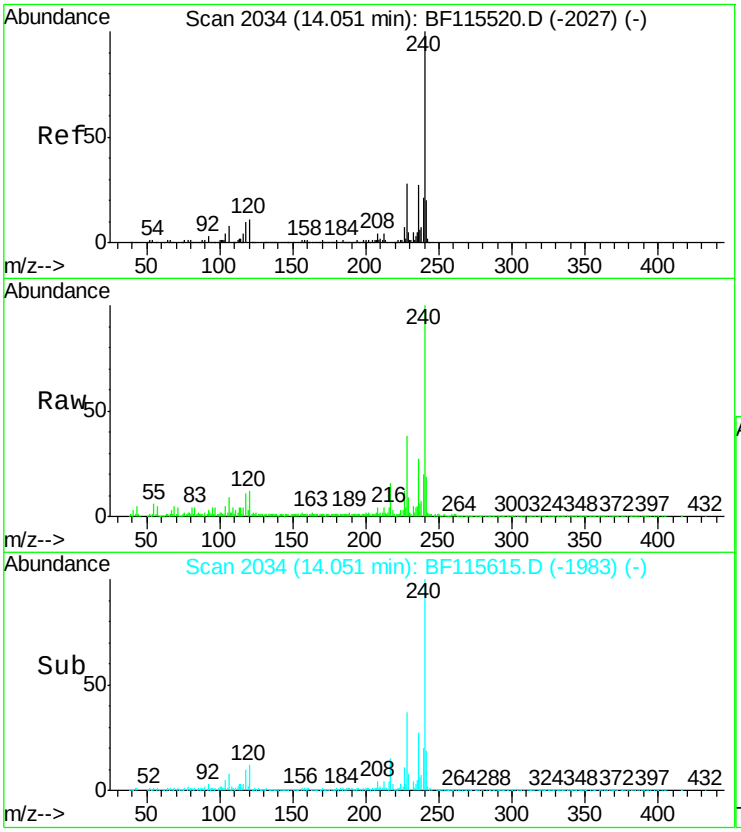




#75
Fluoranthene
Concen: 37.931 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:202 Resp: 969342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 31.4 |
| 203 | 17.8 | 0.0 | 38.1 |



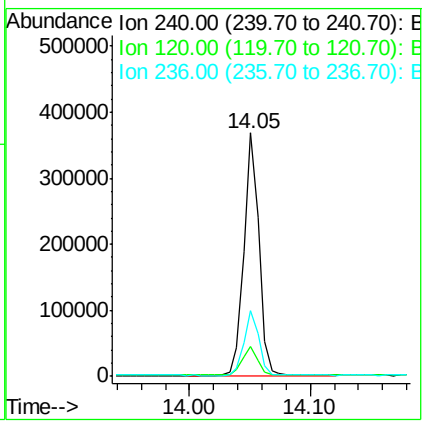


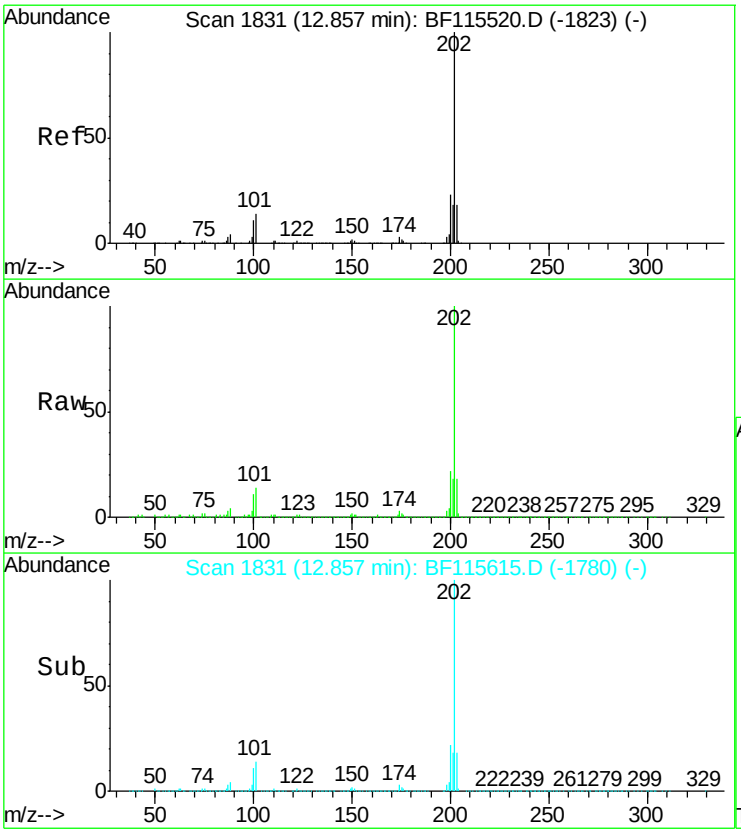

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:240 Resp: 322940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 8.6 | 13.0 |
| 236 | 27.0 | 21.3 | 31.9 |

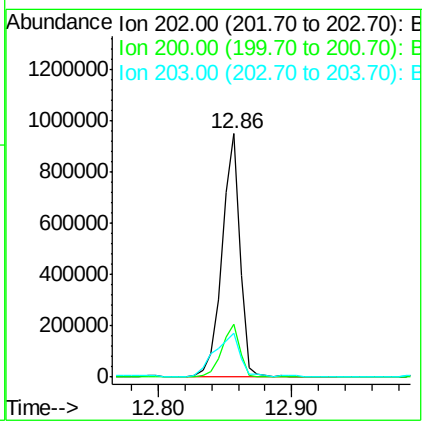


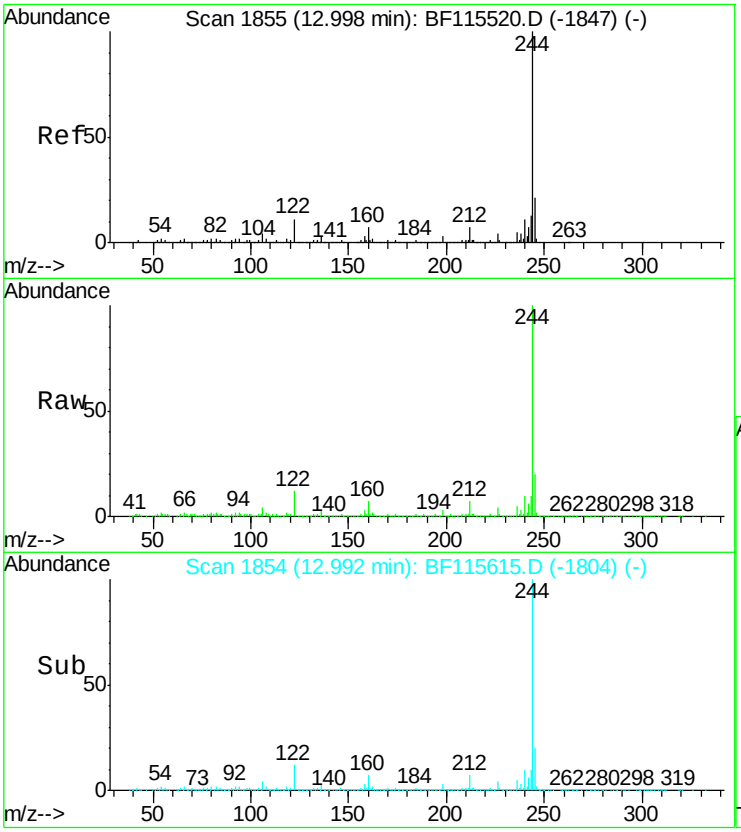




#78
Pyrene
Concen: 32.808 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:202 Resp: 897657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 18.7 | 28.1 |
| 203 | 18.1 | 15.2 | 22.8 |



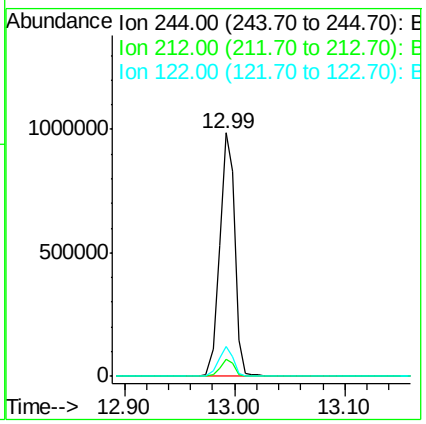


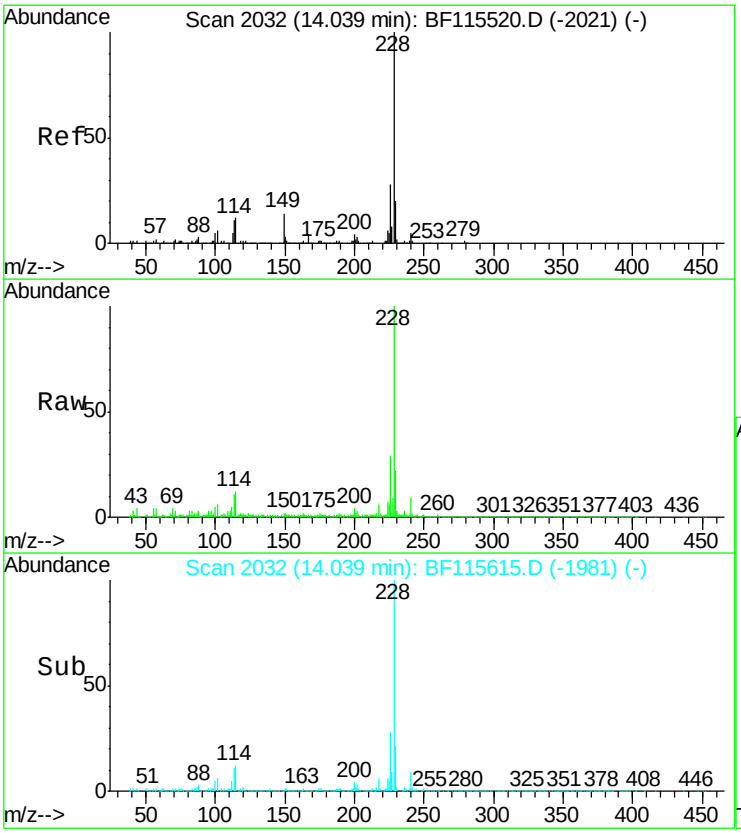

#79
Terphenyl-d14
Concen: 53.233 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:244 Resp: 931672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 6.0 | 9.0 |
| 122 | 12.5 | 8.6 | 12.8 |

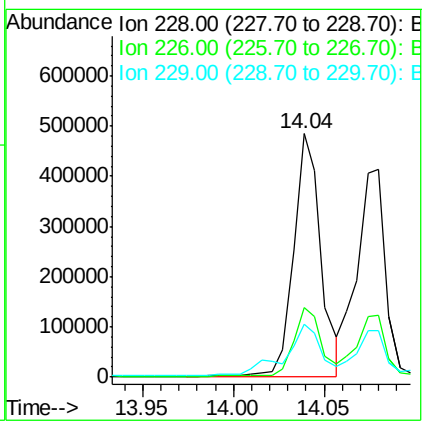


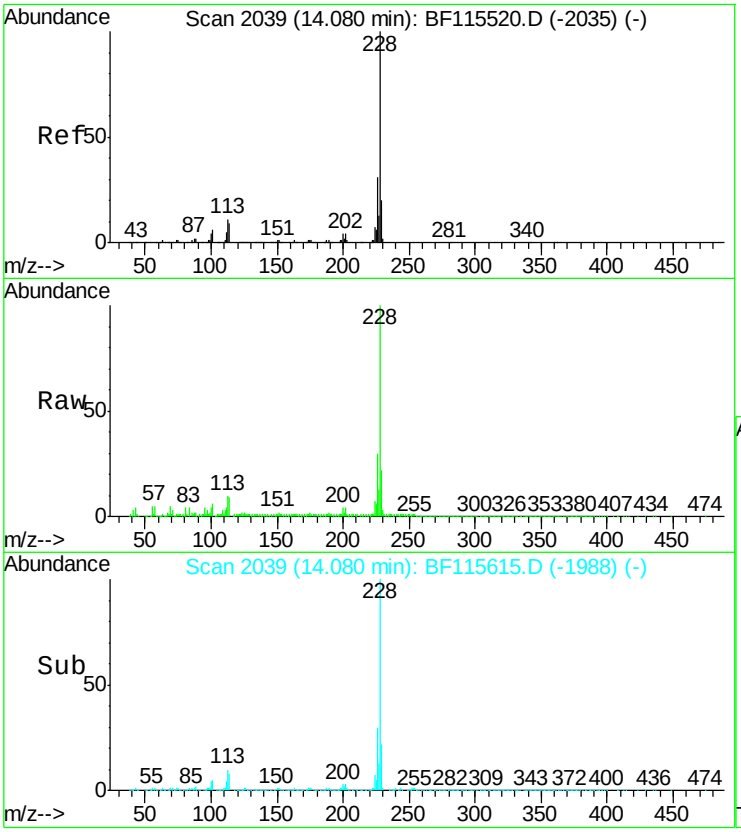




#81
Benzo(a)anthracene
Concen: 23.879 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:228 Resp: 508041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 23.4 | 35.0 |
| 229 | 21.6 | 17.2 | 25.8 |



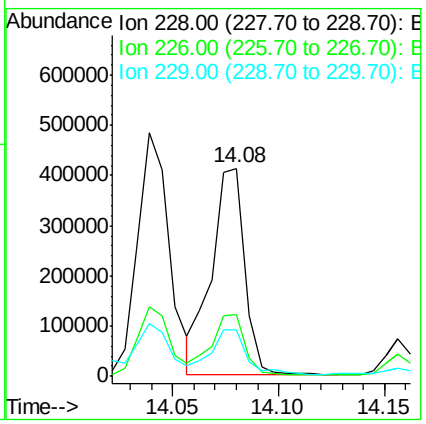


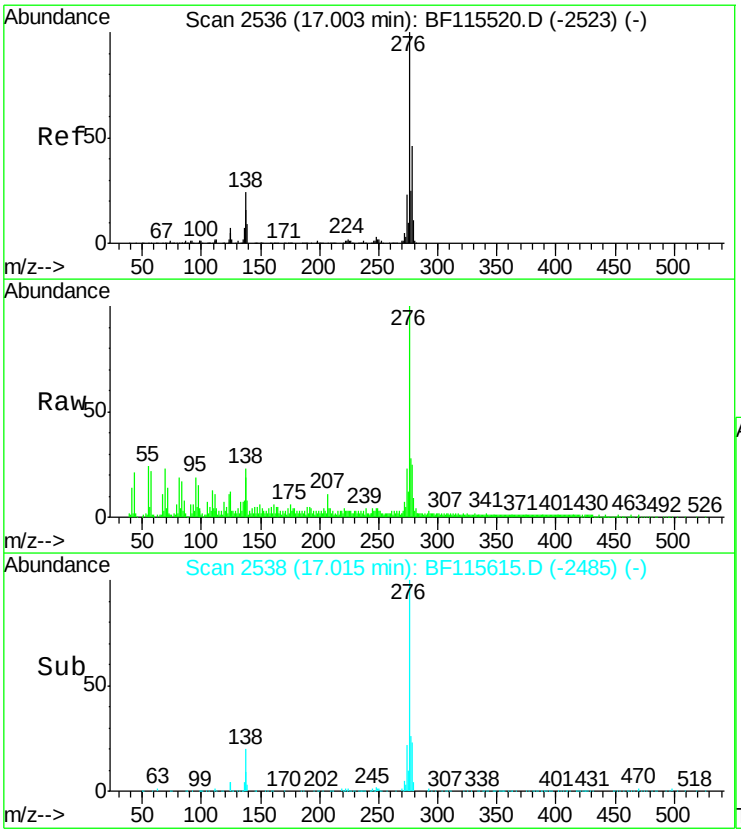

#83
Chrysene
Concen: 21.302 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:228 Resp: 454959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 25.7 | 38.5 |
| 229 | 22.4 | 16.6 | 25.0 |

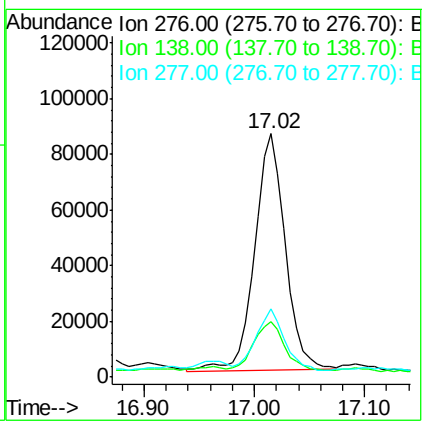


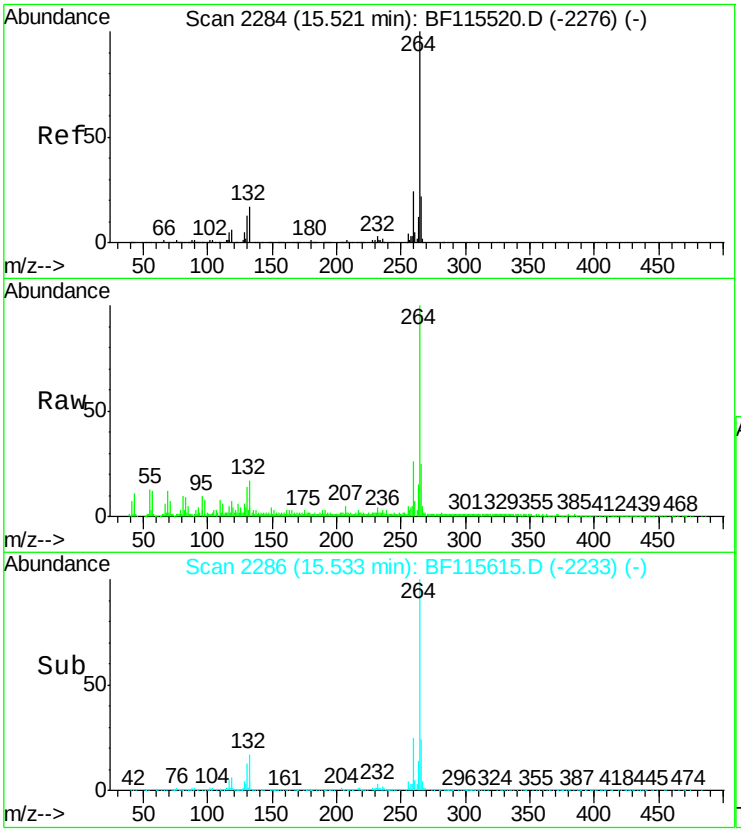




#86
Indeno(1,2,3-cd)pyrene
Concen: 9.120 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:276 Resp: 165482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 20.2 | 30.2 |
| 277 | 24.5 | 20.4 | 30.6 |



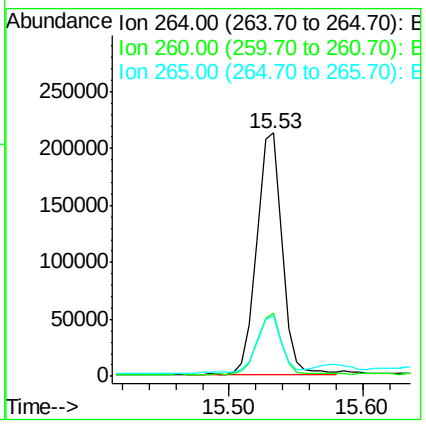


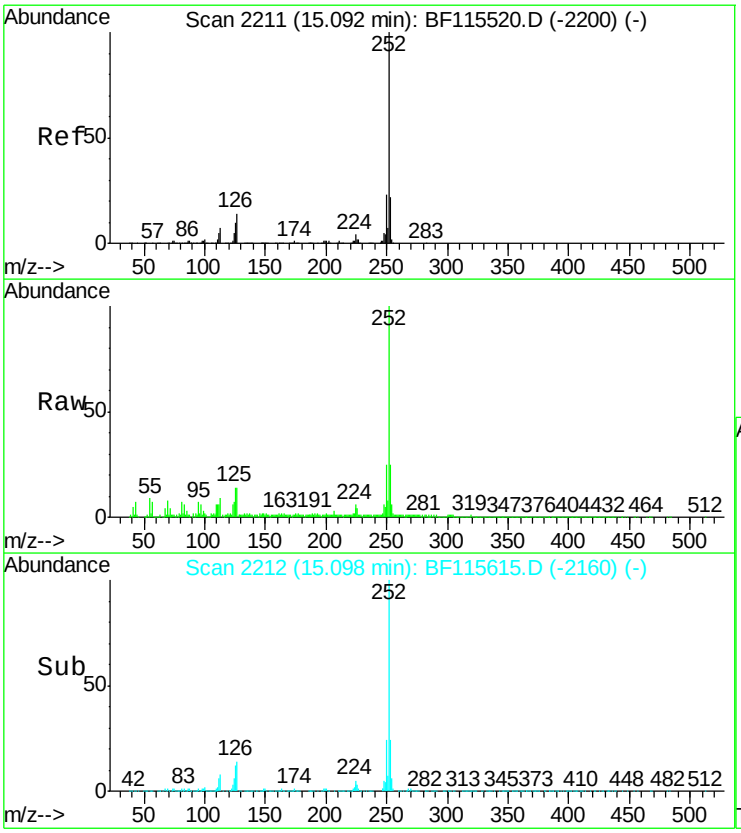

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:264 Resp: 278849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.9 | 19.8 | 29.8 |
| 265 | 24.8 | 17.7 | 26.5 |

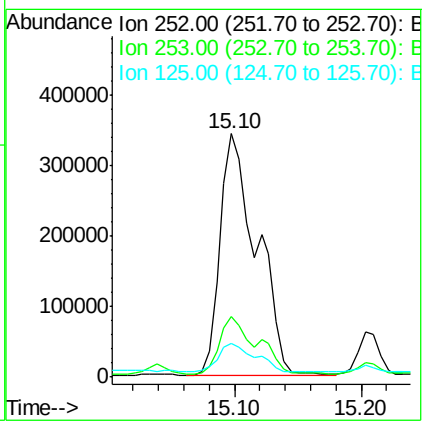


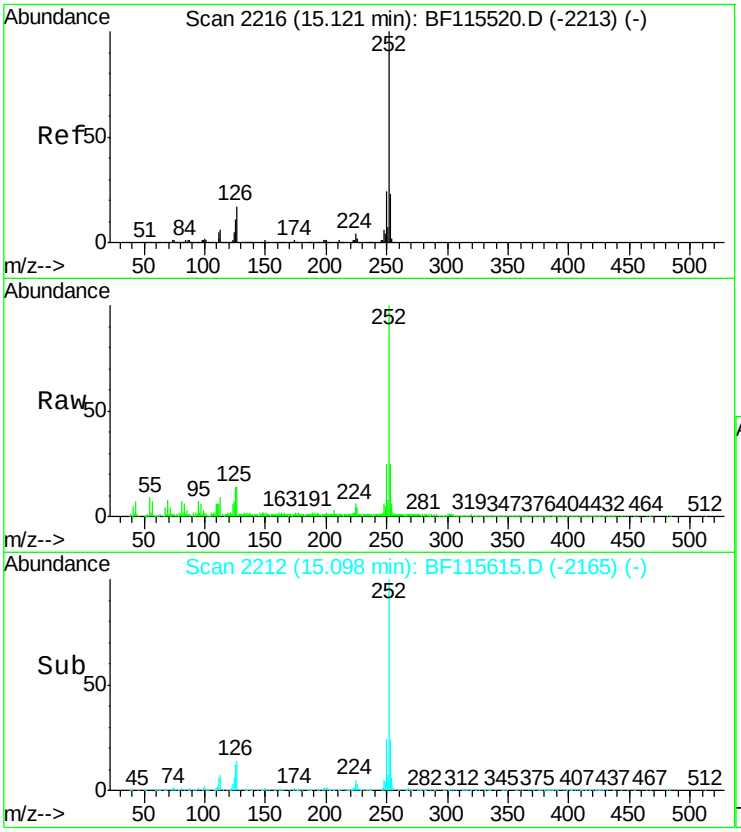




#88
Benzo(b)fluoranthene
Concen: 38.571 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:252 Resp: 692571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 18.1 | 27.1 |
| 125 | 14.1 | 9.0 | 13.4# |



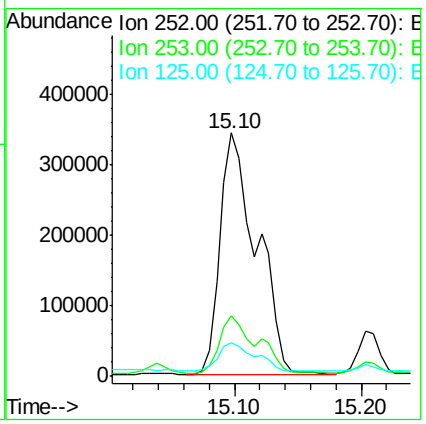


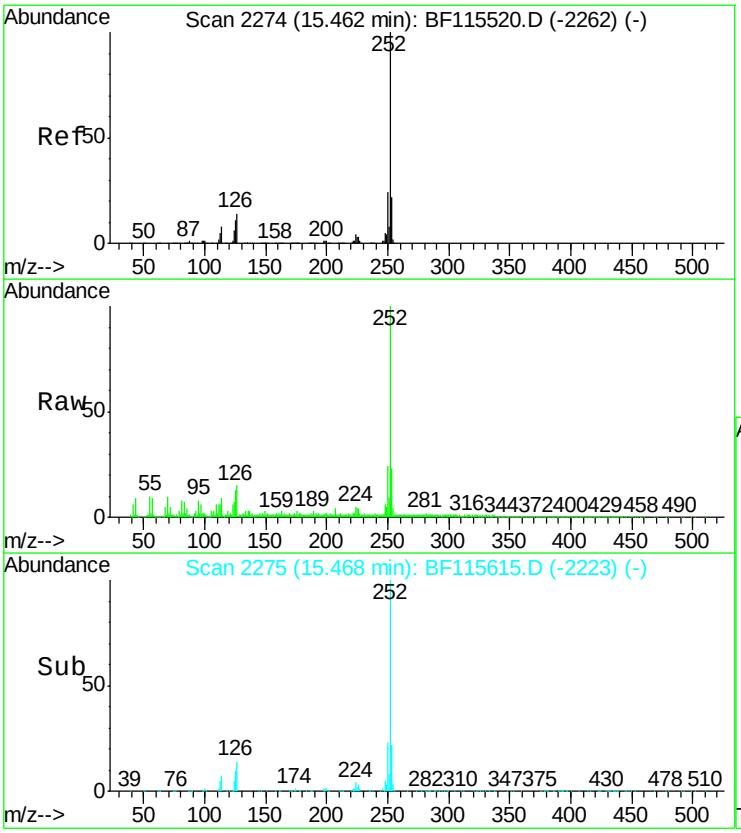

#89
Benzo(k)fluoranthene
Concen: 43.263 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:252 Resp: 692571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 18.6 | 28.0 |
| 125 | 14.1 | 9.0 | 13.6# |

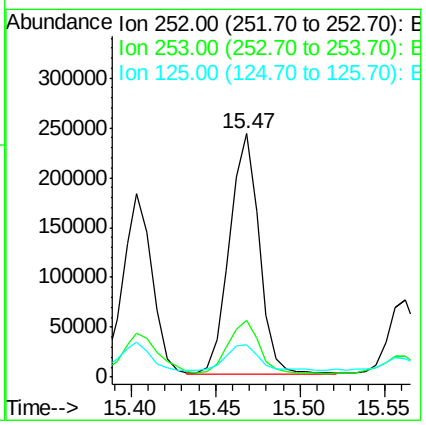


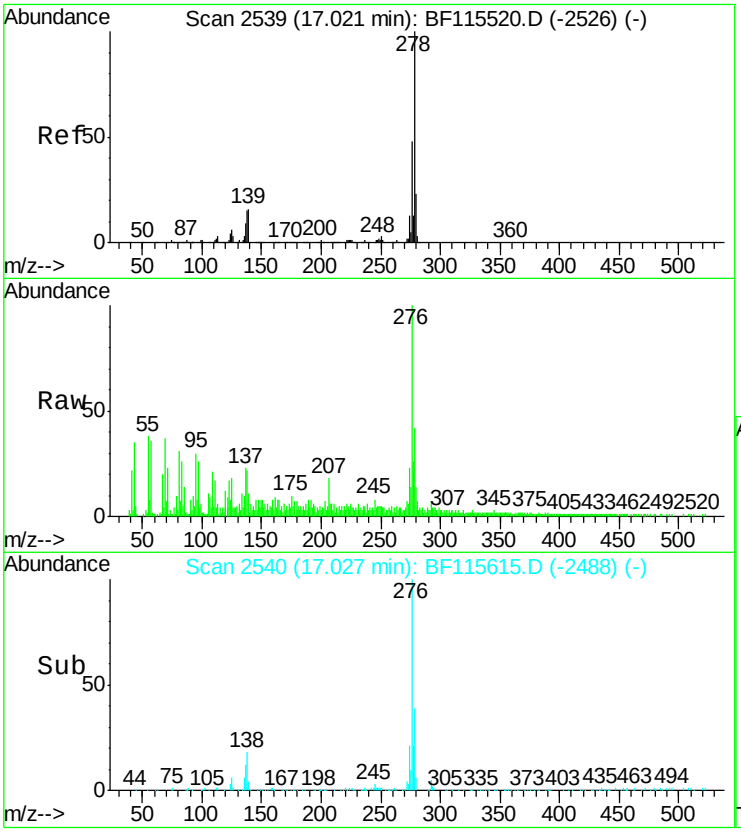




#90
Benzo(a)pyrene
Concen: 19.104 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:252 Resp: 294823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.8 | 26.6 |
| 125 | 13.4 | 9.1 | 13.7 |



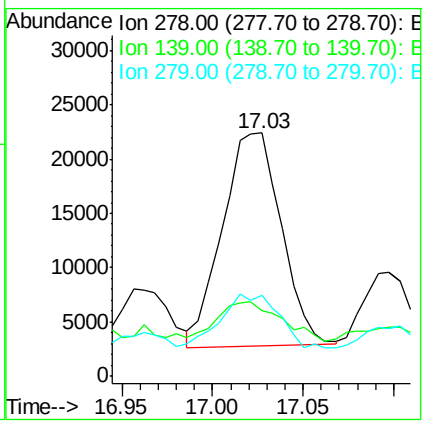


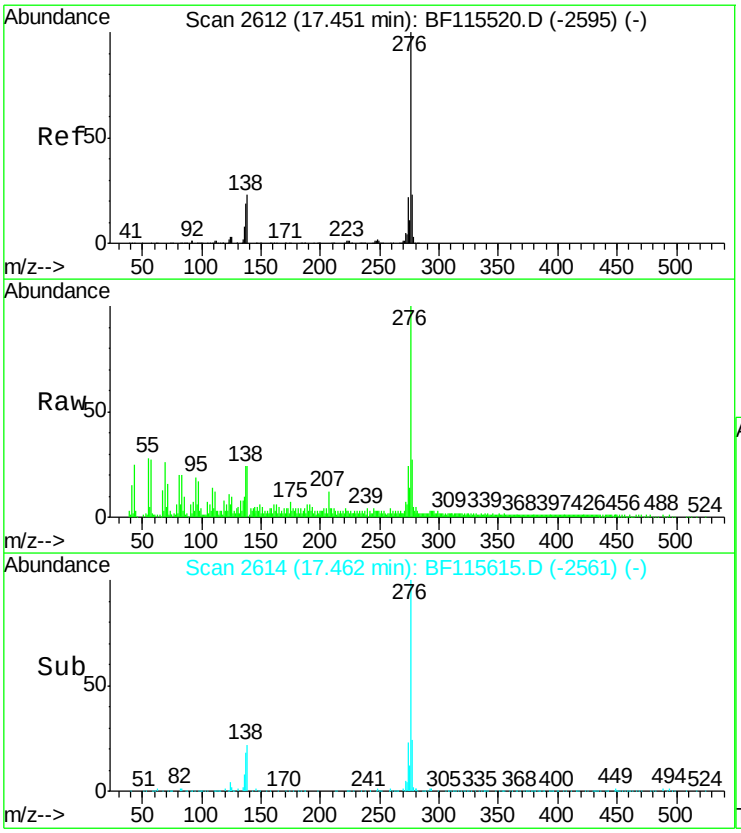

#91
Dibenzo(a,h)anthracene
Concen: 3.266 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

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

Tgt Ion:278 Resp: 44244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 26.7 | 13.1 | 19.7# |
| 279 | 33.3 | 19.6 | 29.4# |




#92
Benzo(g,h,i)perylene
Concen: 12.203 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.01 min
Lab File: BF115615.D
Acq: 16 Jul 2019 23:18

Tgt Ion:276 Resp: 164893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.7 | 19.0 | 28.4 |
| 138 | 24.0 | 17.2 | 25.8 |