Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096192.D
Acq On : 24 Jun 2017 16:09
Operator : SJ/MA
Sample : I3851-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 26 01:22:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.26 | 152 | 63617 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 9.30 | 136 | 239004 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 12.12 | 164 | 95096 | 20.00 | ng | | -0.04 |
| 63) Phenanthrene-d10 | 14.51 | 188 | 148004 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 18.26 | 240 | 128837 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 19.93 | 264 | 90515 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 366182 | 91.72 | ng | | -0.03 |
| 7) Phenol-d6 | 6.85 | 99 | 452374 | 94.65 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 8.19 | 82 | 260601 | 67.72 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 13.42 | 330 | 50631 | 60.18 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 11.07 | 172 | 490877 | 71.83 | ng | | -0.04 |
| 78) Terphenyl-d14 | 16.90 | 244 | 345129 | 66.48 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.54 | 88 | 5498 | 2.89 | ng | # | 23 |
| 19) n-Nitroso-di-n-propylamine | 8.19 | 70 | 30898 | 10.20 | ng | # | 78 |
| 32) Benzoic acid | 9.37 | 122 | 765 | 5.44 | ng | | 96 |
| 49) Dimethylphthalate | 11.77 | 163 | 70383 | 9.75 | ng | | 99 |
| 55) 4-Nitrophenol | 12.55 | 139 | 111 | 4.72 | ng | # | 1 |
| 70) Phenanthrene | 14.55 | 178 | 26463 | 3.10 | ng | | 97 |
| 71) Anthracene | 14.55 | 178 | 26463 | 2.97 | ng | | 97 |
| 74) Fluoranthene | 16.34 | 202 | 57280 | 6.78 | ng | | 99 |
| 77) Pyrene | 16.65 | 202 | 57203 | 5.95 | ng | # | 96 |
| 80) Benzo(a)anthracene | 18.29 | 228 | 31181 | 4.16 | ng | | 96 |
| 82) Chrysene | 18.29 | 228 | 31181 | 4.17 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 18.33 | 149 | 14970 | 2.53 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 19.53 | 252 | 41308 | 7.29 | ng | # | 82 |
| 88) Benzo(k)fluoranthene | 19.53 | 252 | 41308 | 7.62 | ng | # | 86 |
| 89) Benzo(a)pyrene | 19.89 | 252 | 18192 | 3.49 | ng | # | 79 |
| 91) Benzo(g,h,i)perylene | 21.44 | 276 | 11164 | 2.48 | ng | # | 84 |

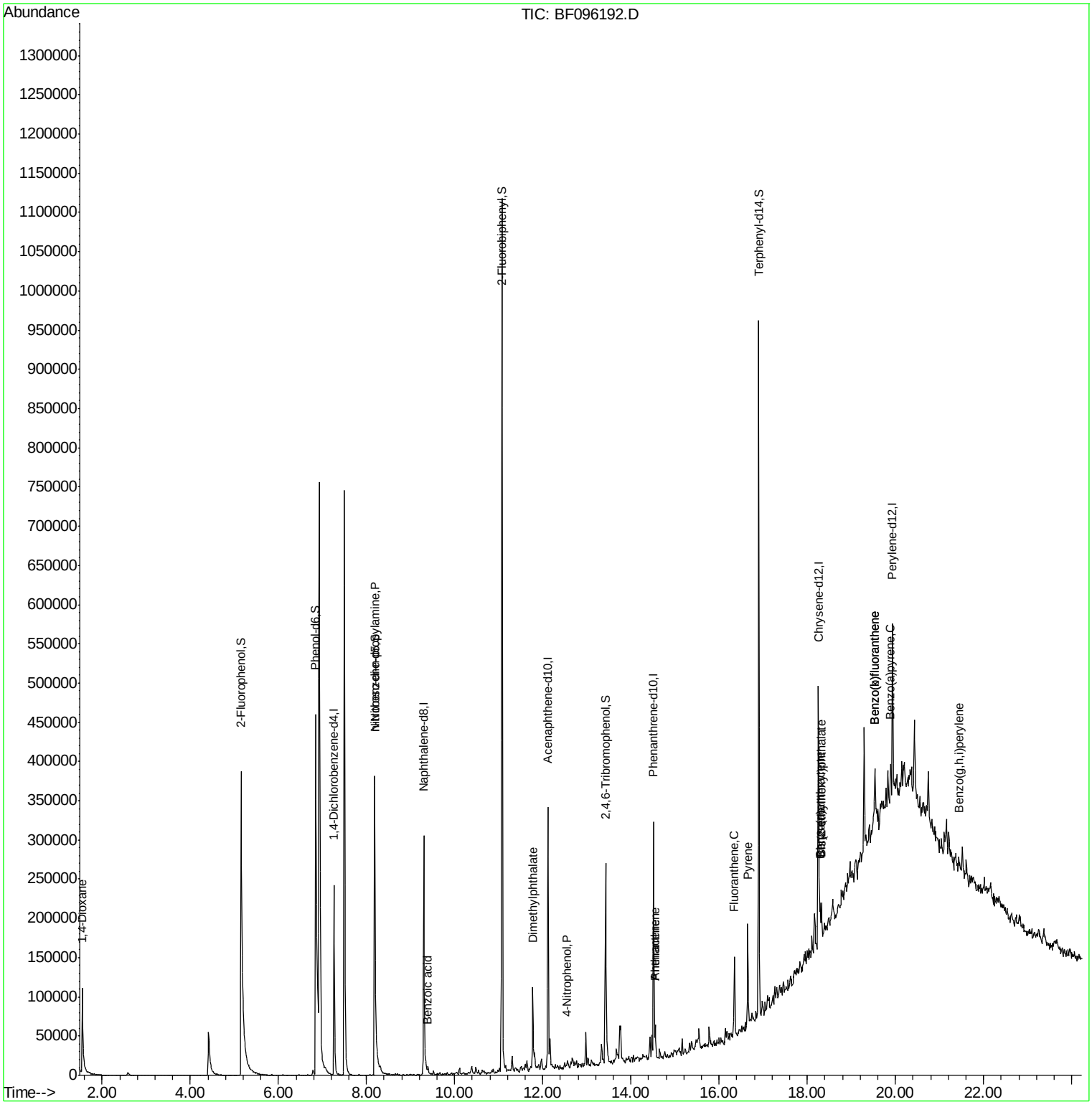
(#) = qualifier out of range (m) = manual integration (+) = signals summed

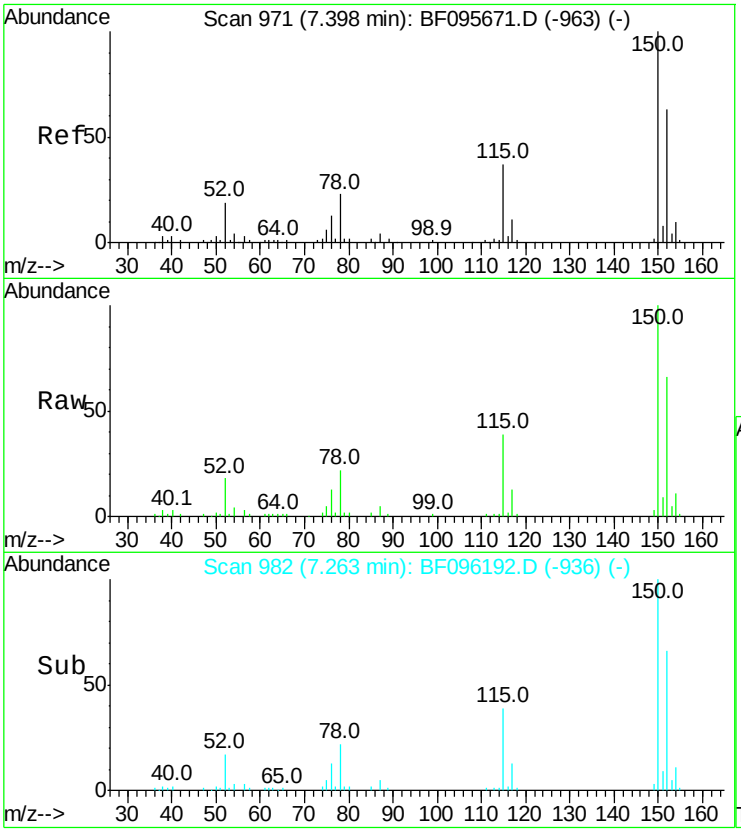
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096192.D
Acq On : 24 Jun 2017 16:09
Operator : SJ/MA
Sample : I3851-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 26 01:22:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration



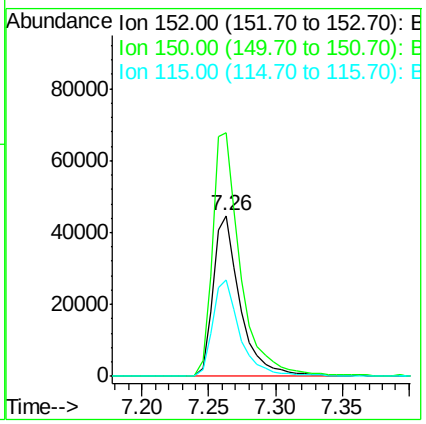


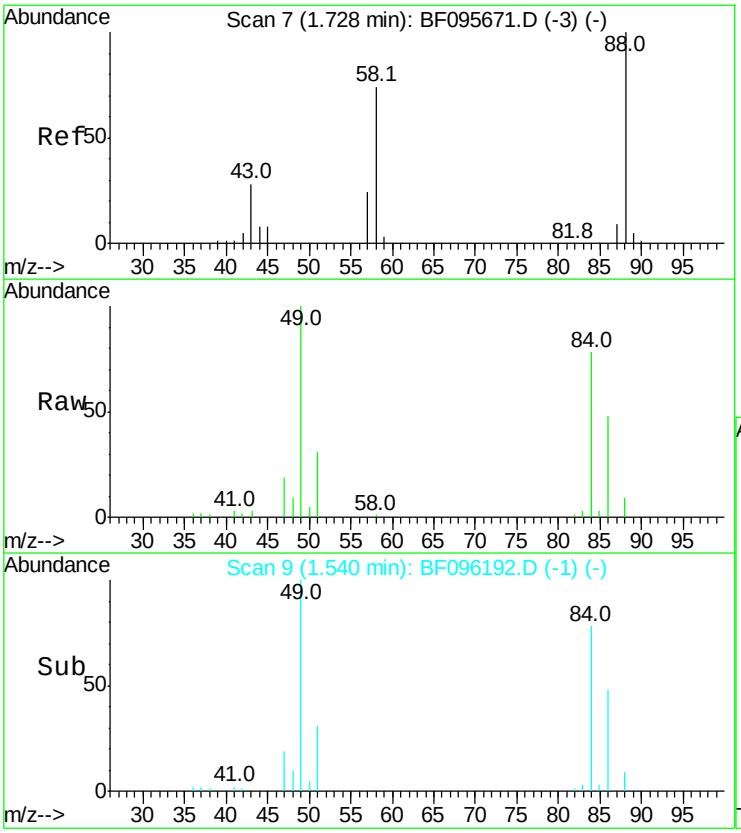

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:152 Resp: 63617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.6 | 126.2 | 189.2 |
| 115 | 59.7 | 52.2 | 78.2 |

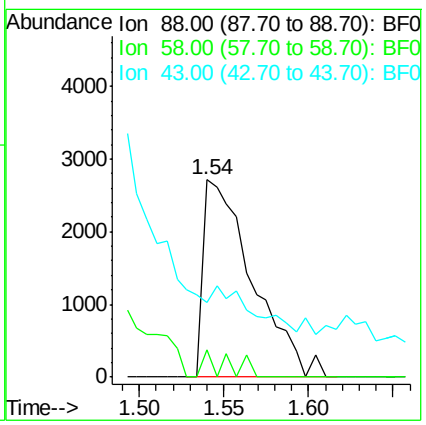


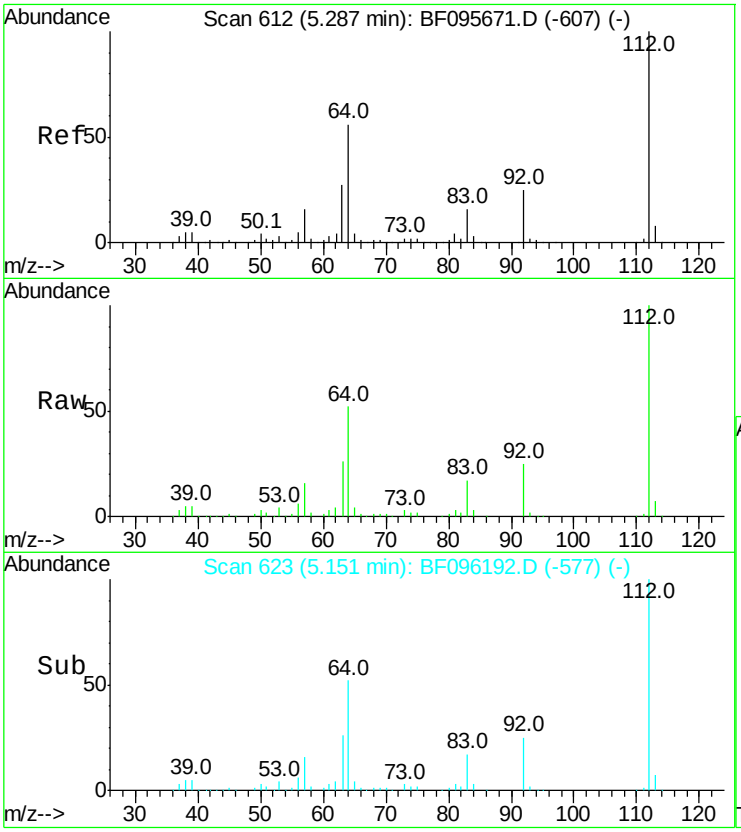




#2
1,4-Dioxane
Concen: 2.89 ng
RT: 1.54 min Scan# 9
Delta R.T. -0.07 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion: 88 Resp: 5498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 2.4 | 61.4 | 92.0# |
| 43 | 0.0 | 23.4 | 35.0# |



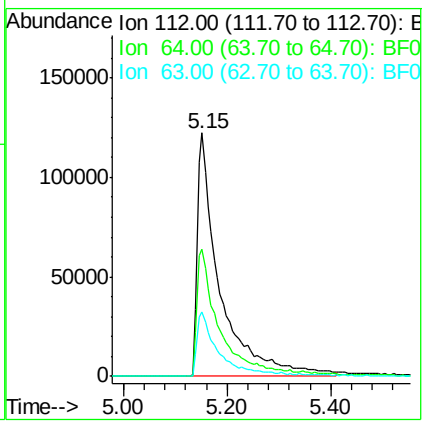


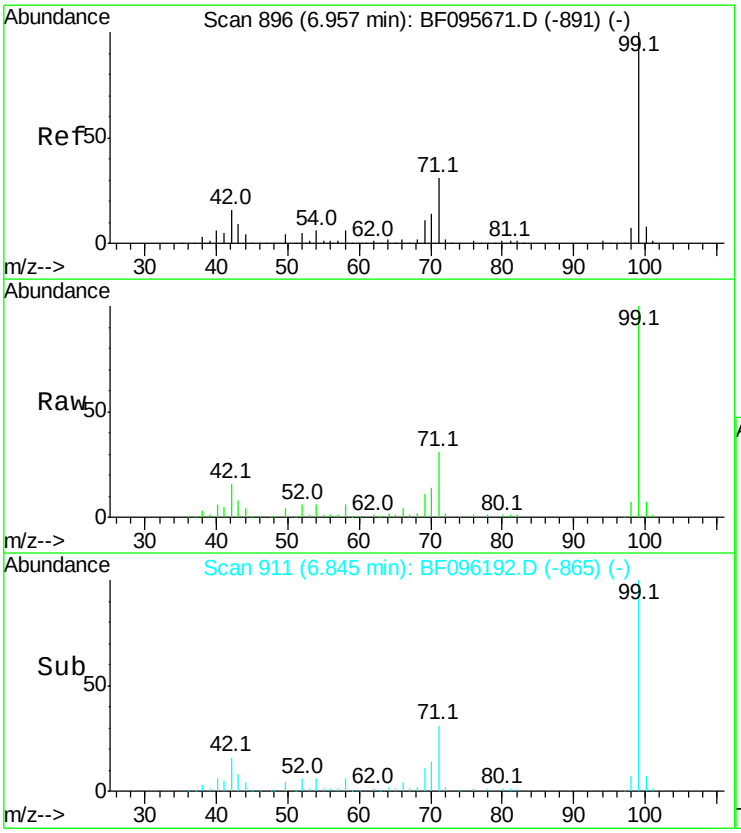

#5
2-Fluorophenol
Concen: 91.72 ng
RT: 5.15 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:112 Resp: 366182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.4 | 46.0 | 69.0 |
| 63 | 26.4 | 23.4 | 35.0 |

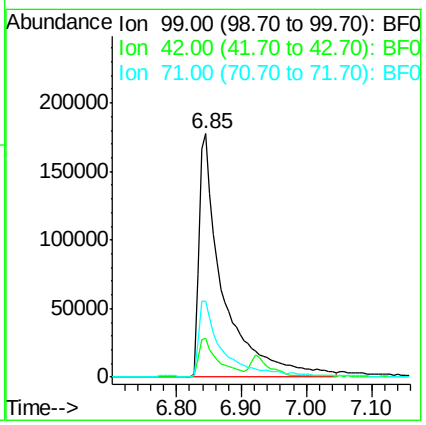


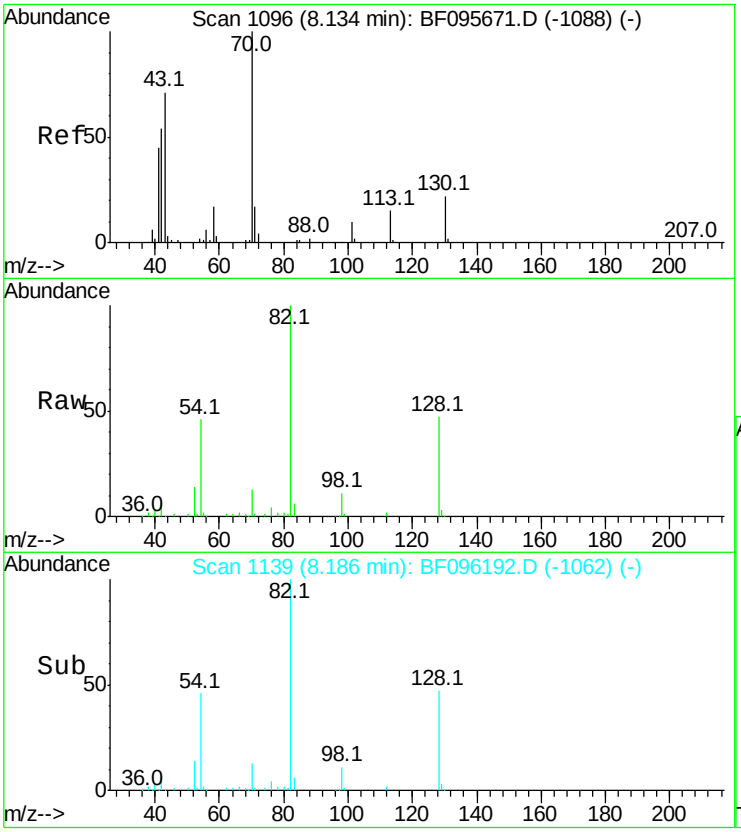




#7
Phenol-d6
Concen: 94.65 ng
RT: 6.85 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion: 99 Resp: 452374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.0 | 13.5 | 20.3 |
| 71 | 31.3 | 24.5 | 36.7 |



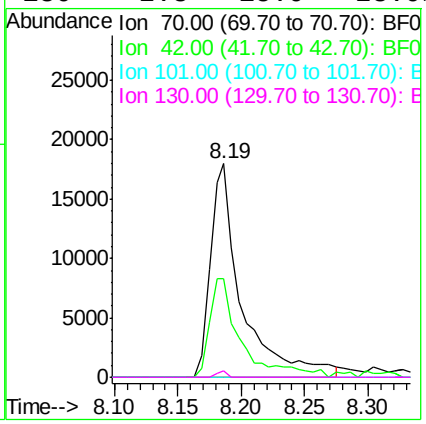


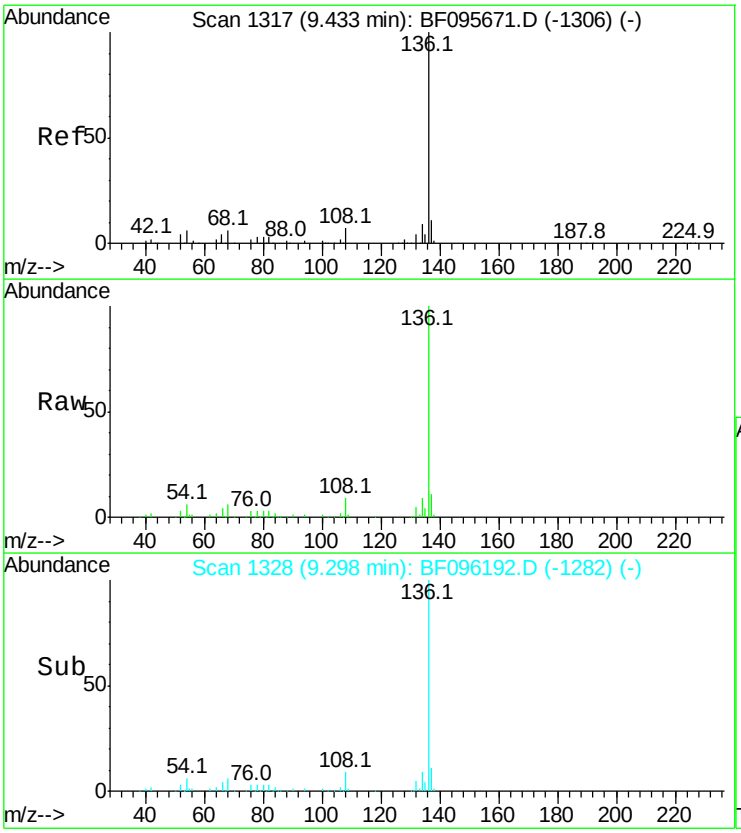

#19
n-Nitroso-di-n-propylamine
Concen: 10.20 ng
RT: 8.19 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion: 70 Resp: 30898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.3 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.8 | 15.9 | 23.9# |

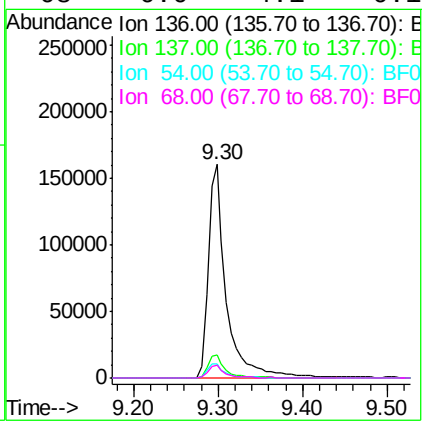


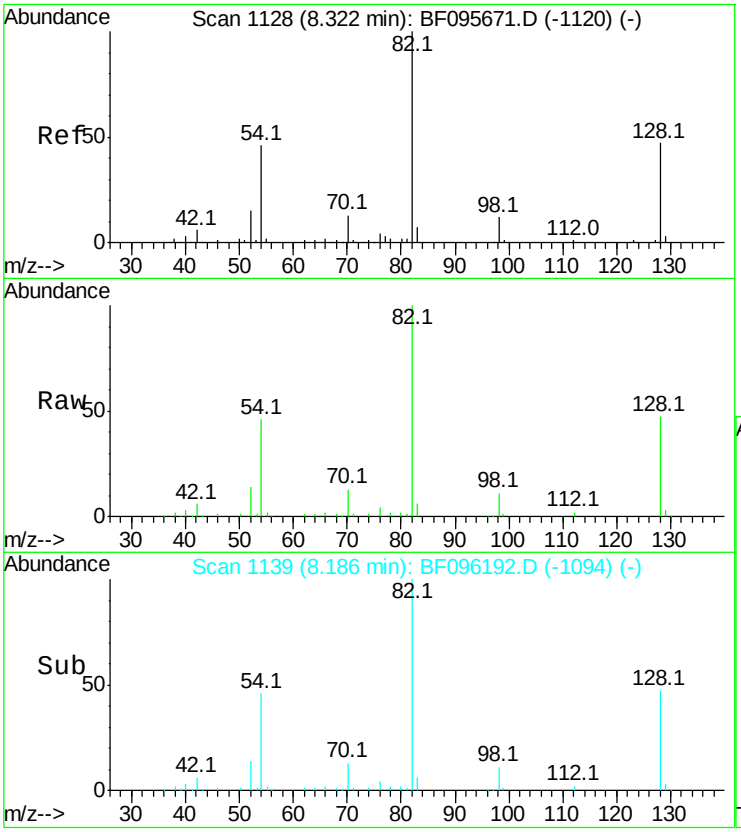




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:136 Resp: 239004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.5 | 12.7 |
| 54 | 6.4 | 4.9 | 7.3 |
| 68 | 6.0 | 4.1 | 6.1 |



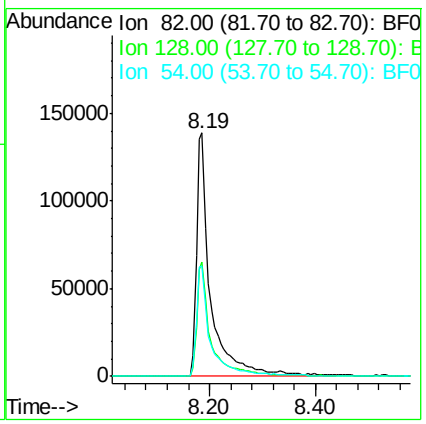


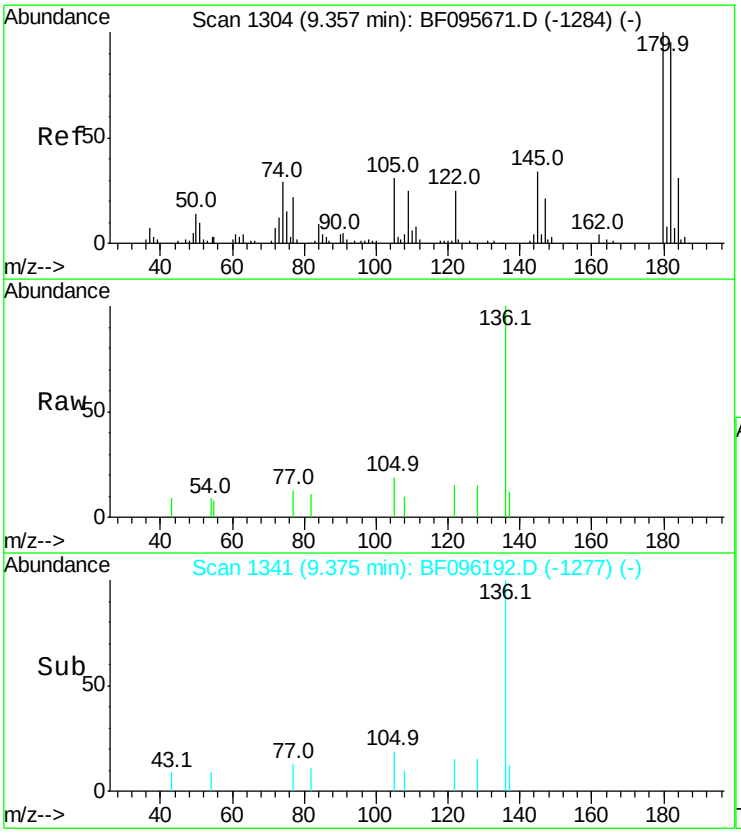

#23
Nitrobenzene-d5
Concen: 67.72 ng
RT: 8.19 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion: 82 Resp: 260601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.2 | 34.0 | 51.0 |
| 54 | 45.5 | 42.2 | 63.2 |

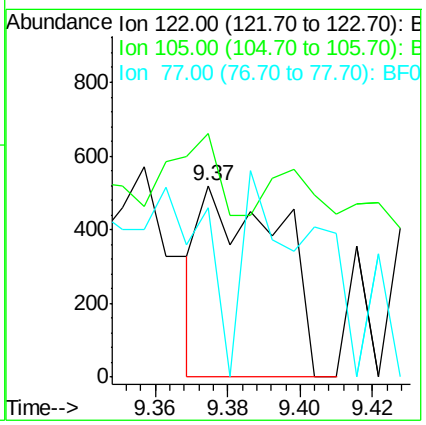


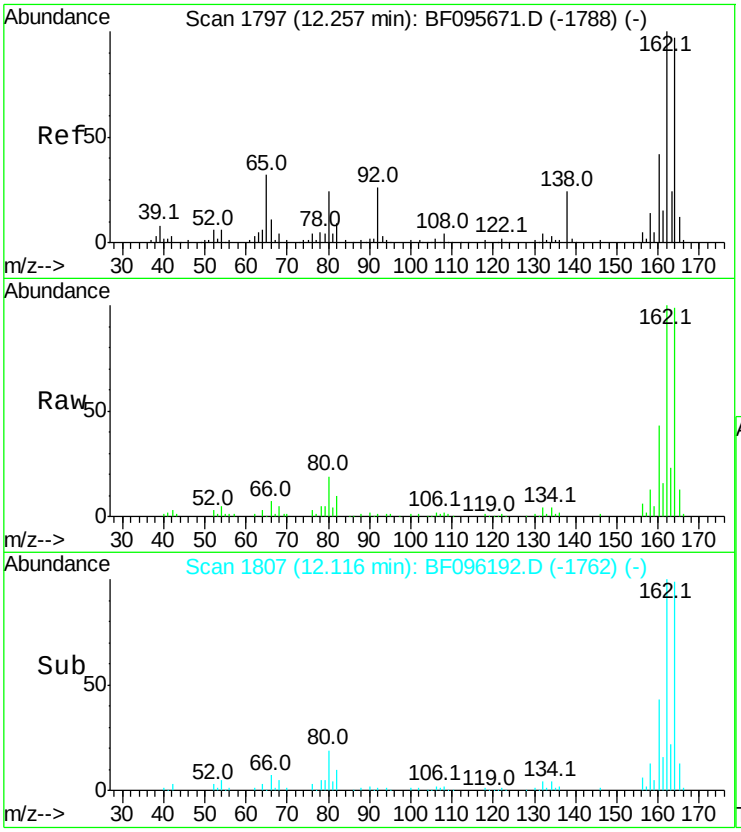




#32
Benzoic acid
Concen: 5.44 ng
RT: 9.37 min Scan# 1341
Delta R.T. 0.08 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:122 Resp: 765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.1 | 103.3 | 143.3 |
| 77 | 88.3 | 73.7 | 113.7 |



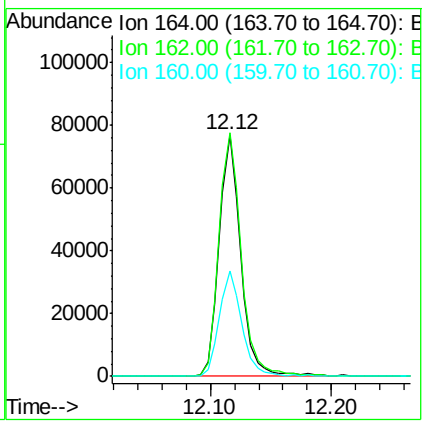


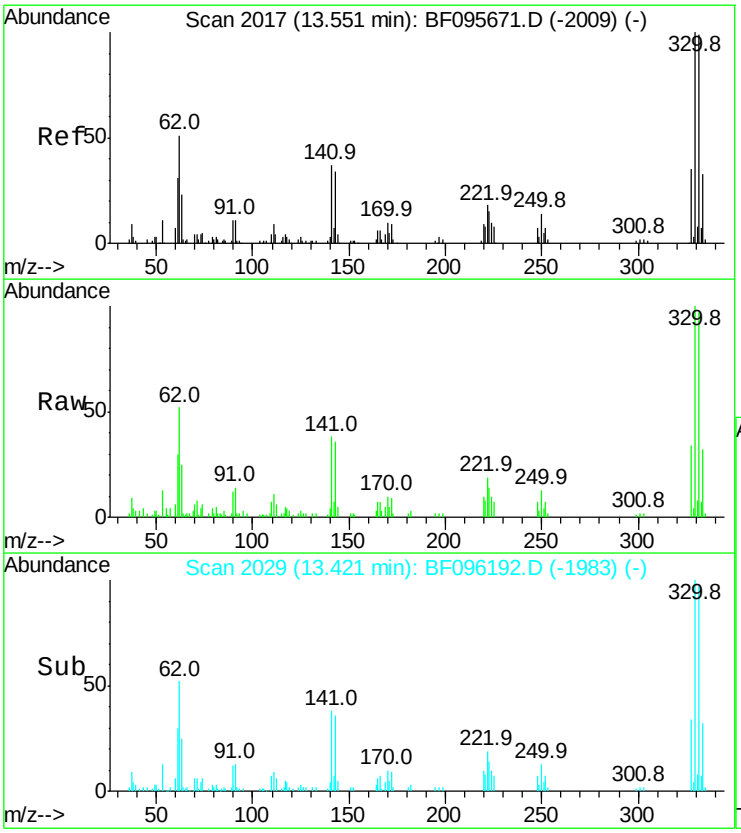

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:164 Resp: 95096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 82.6 | 123.8 |
| 160 | 43.8 | 36.2 | 54.2 |

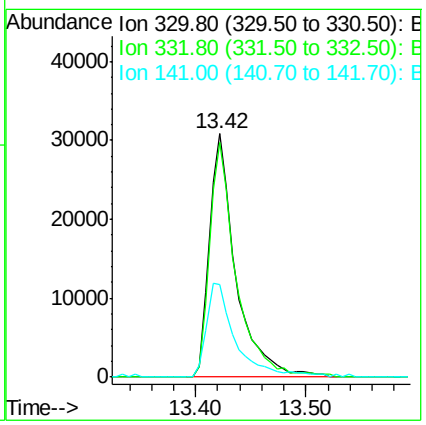


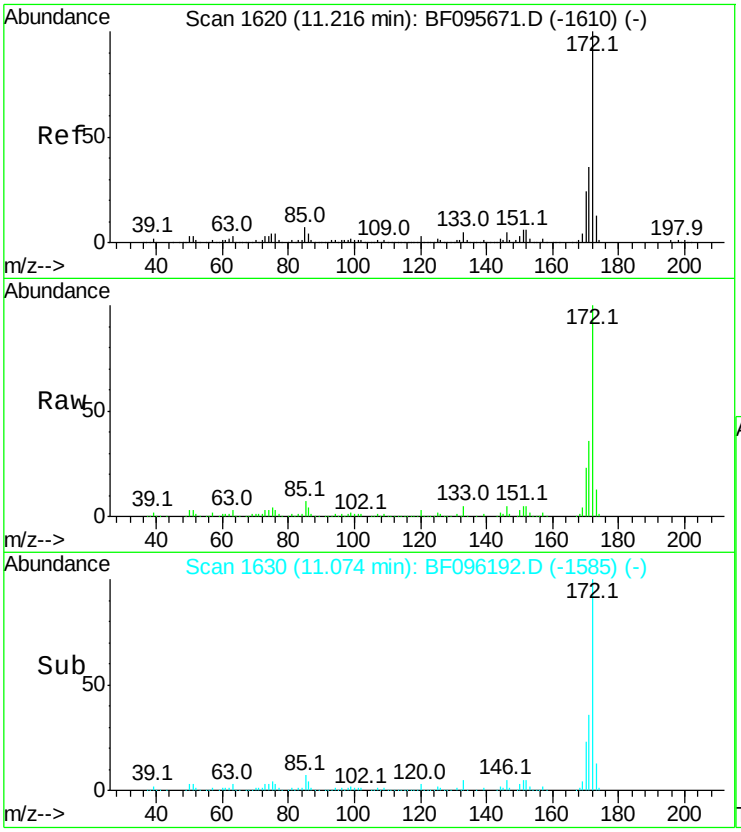




#41
2,4,6-Tribromophenol
Concen: 60.18 ng
RT: 13.42 min Scan# 2029
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:330 Resp: 50631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.6 | 115.0 |
| 141 | 42.2 | 31.4 | 47.2 |



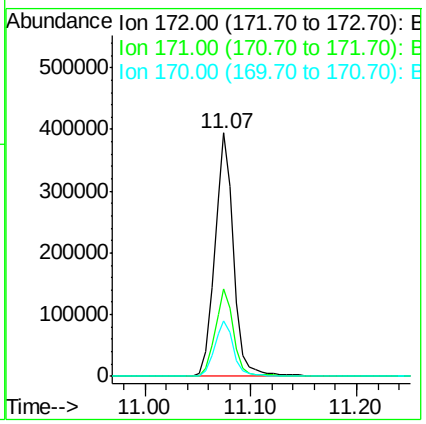


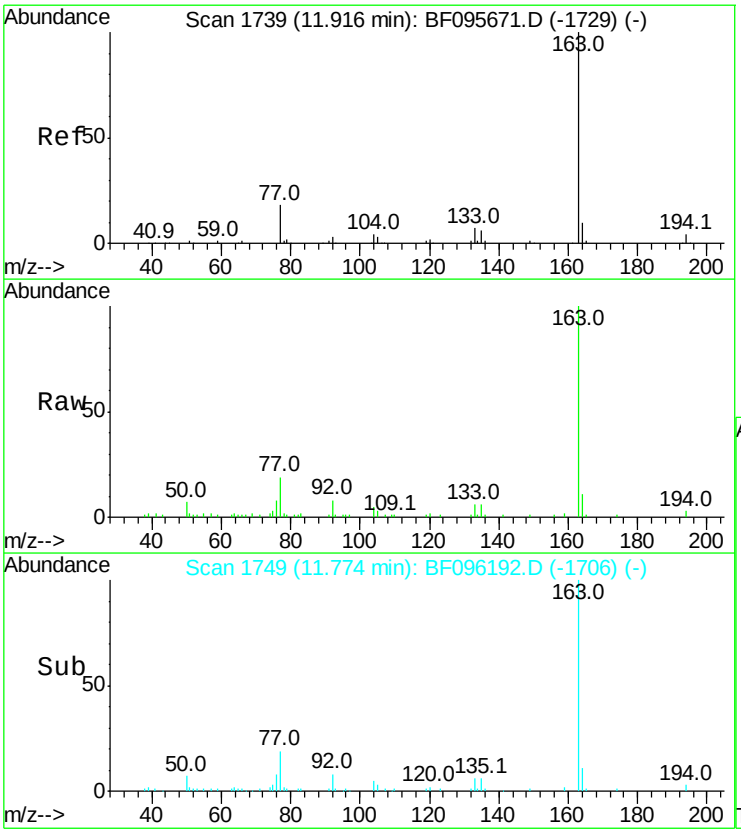

#44
2-Fluorobiphenyl
Concen: 71.83 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:172 Resp: 490877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.6 | 44.4 |
| 170 | 22.9 | 19.8 | 29.8 |

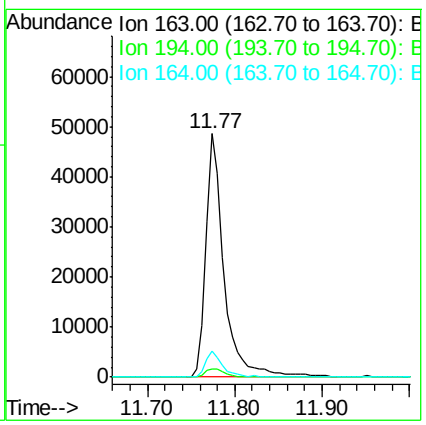


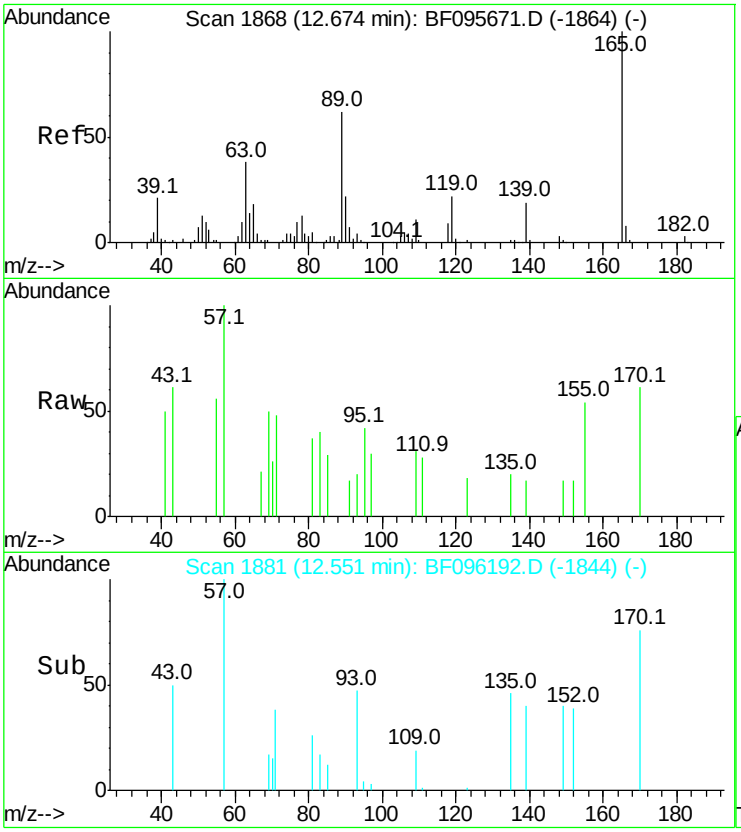




#49
Dimethylphthalate
Concen: 9.75 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:163 Resp: 70383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.6 | 4.0 |
| 164 | 10.8 | 8.4 | 12.6 |



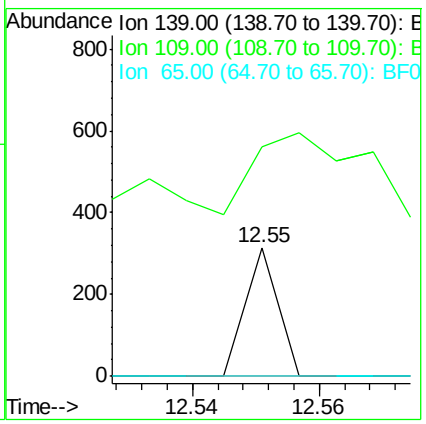


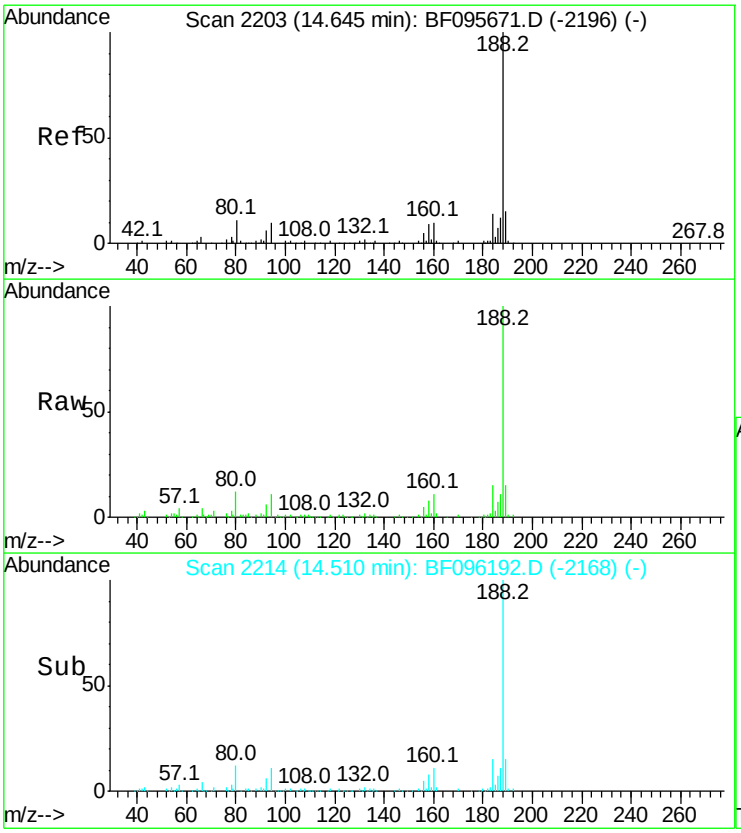

#55
4-Nitrophenol
Concen: 4.72 ng
RT: 12.55 min Scan# 1881
Delta R.T. -0.08 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:139 Resp: 111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 178.3 | 34.1 | 74.1# |
| 65 | 0.0 | 31.4 | 71.4# |

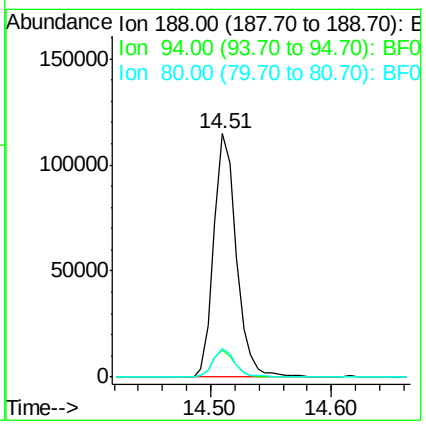


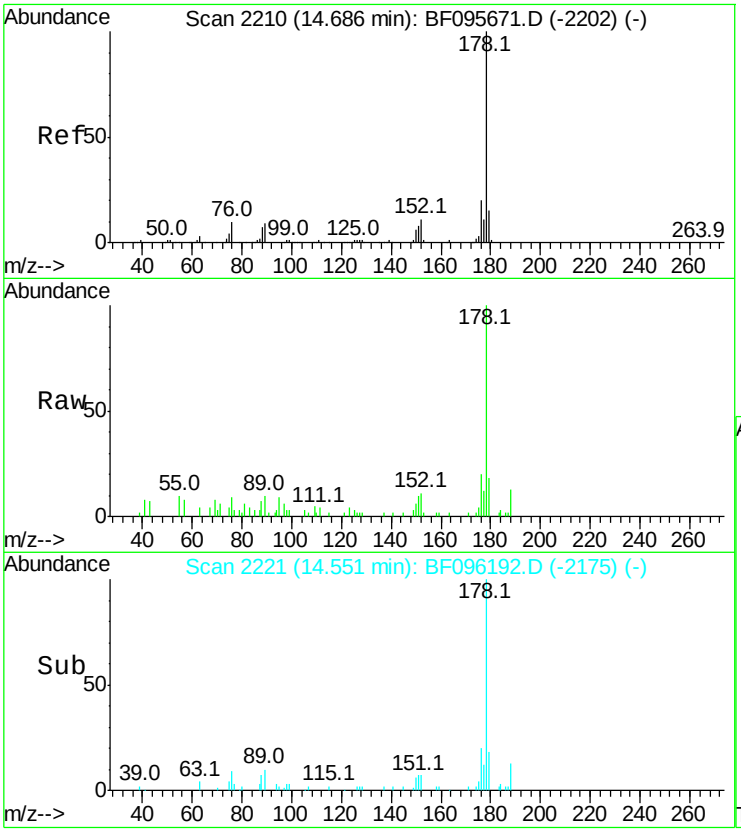




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:188 Resp: 148004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.5 | 9.4 | 14.2 |
| 80 | 11.7 | 10.2 | 15.2 |



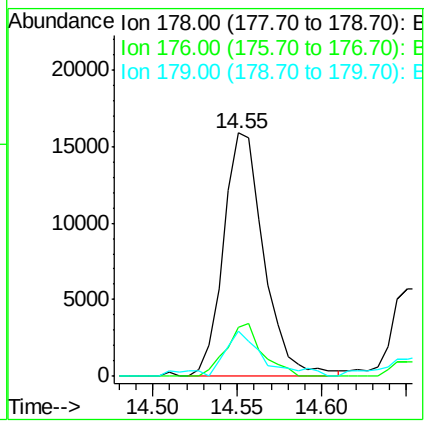


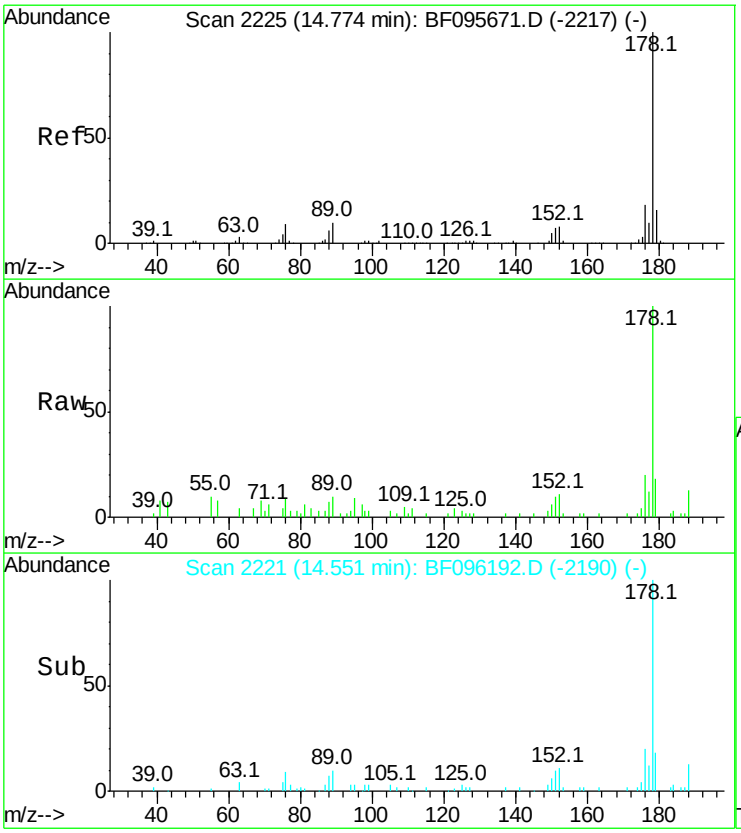

#70
Phenanthrene
Concen: 3.10 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:178 Resp: 26463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.3 | 16.2 | 24.4 |
| 179 | 18.4 | 12.6 | 19.0 |

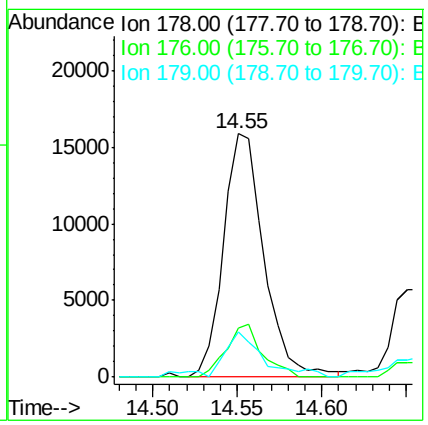


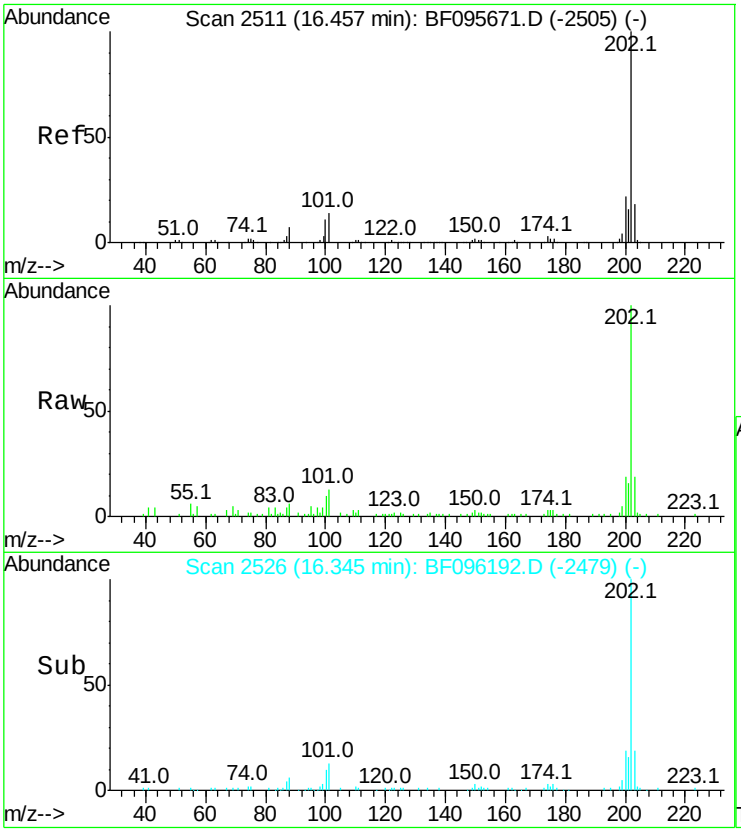




#71
Anthracene
Concen: 2.97 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.12 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:178 Resp: 26463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.3 | 15.8 | 23.8 |
| 179 | 18.4 | 12.7 | 19.1 |



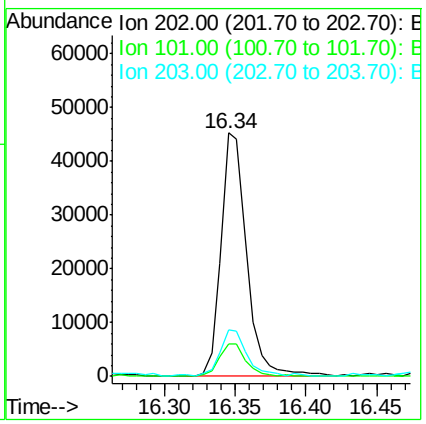


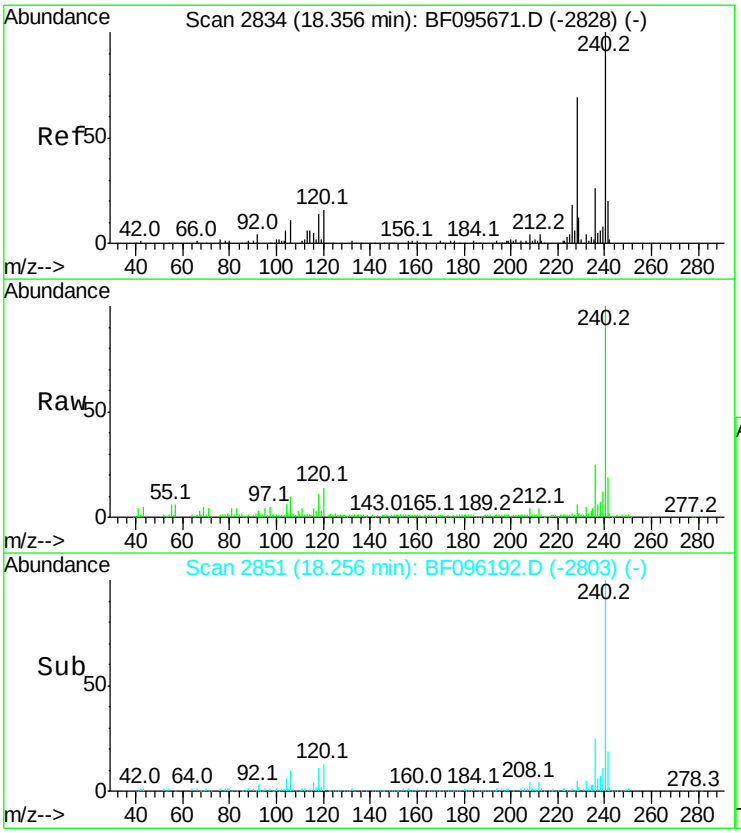

#74
Fluoranthene
Concen: 6.78 ng
RT: 16.34 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:202 Resp: 57280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.3 | 0.0 | 33.2 |
| 203 | 19.0 | 0.0 | 38.1 |

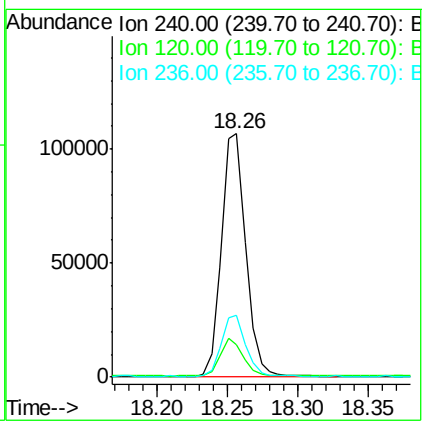


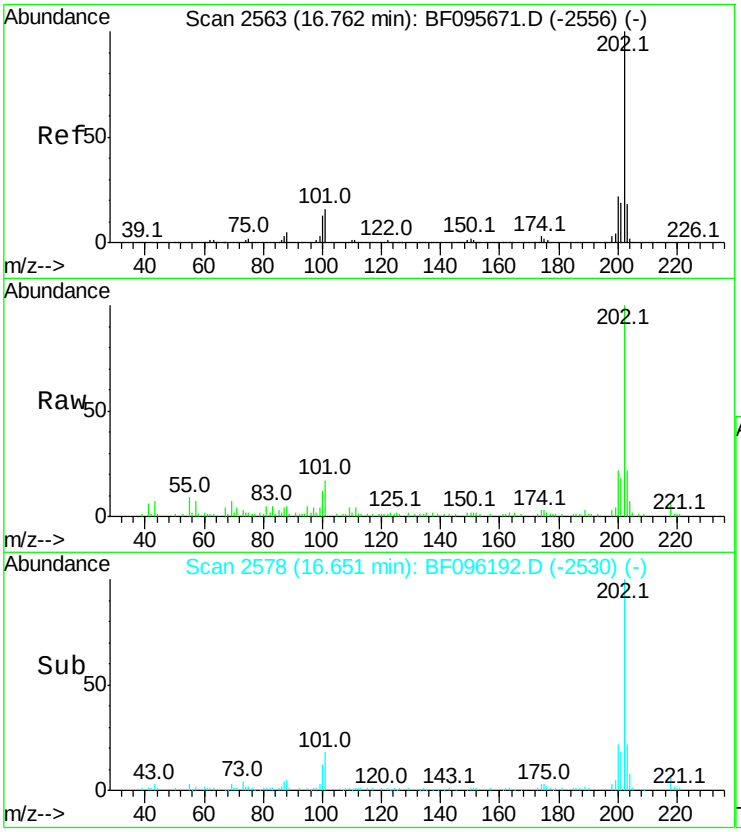




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.26 min Scan# 2851
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:240 Resp: 128837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.5 | 5.8 | 8.8# |
| 236 | 25.3 | 20.5 | 30.7 |



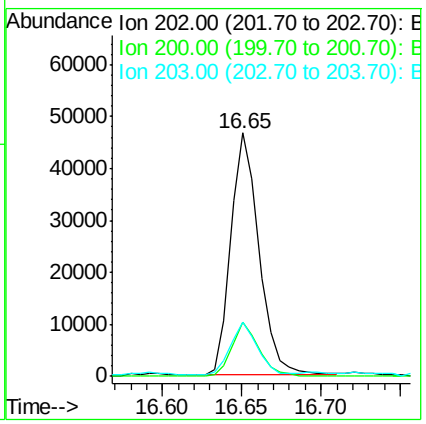


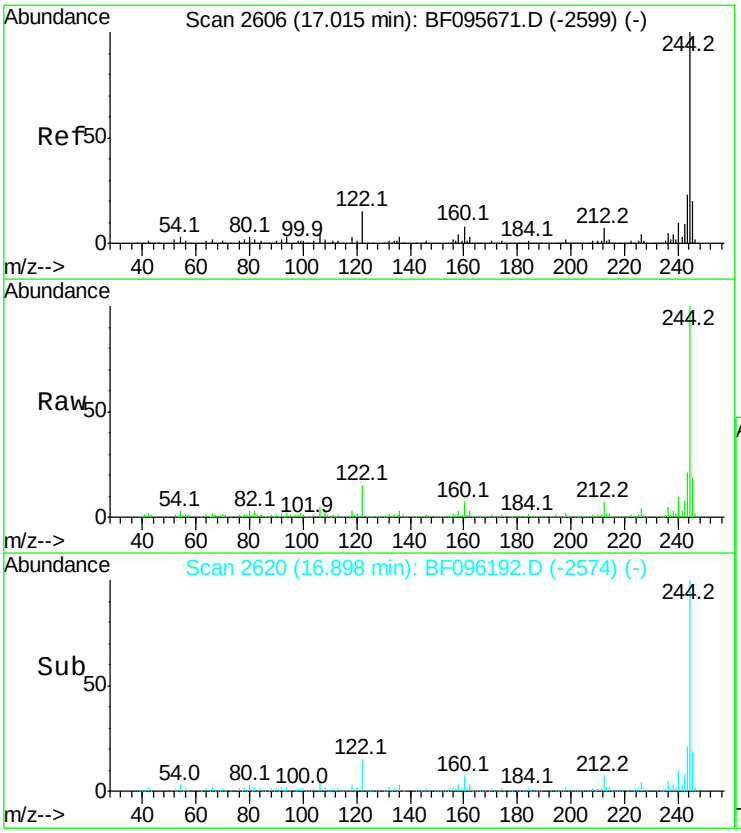

#77
Pyrene
Concen: 5.95 ng
RT: 16.65 min Scan# 2578
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:202 Resp: 57203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.6 | 26.4 |
| 203 | 22.2 | 14.4 | 21.6# |

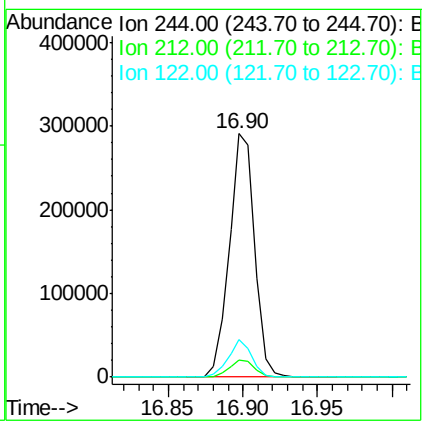


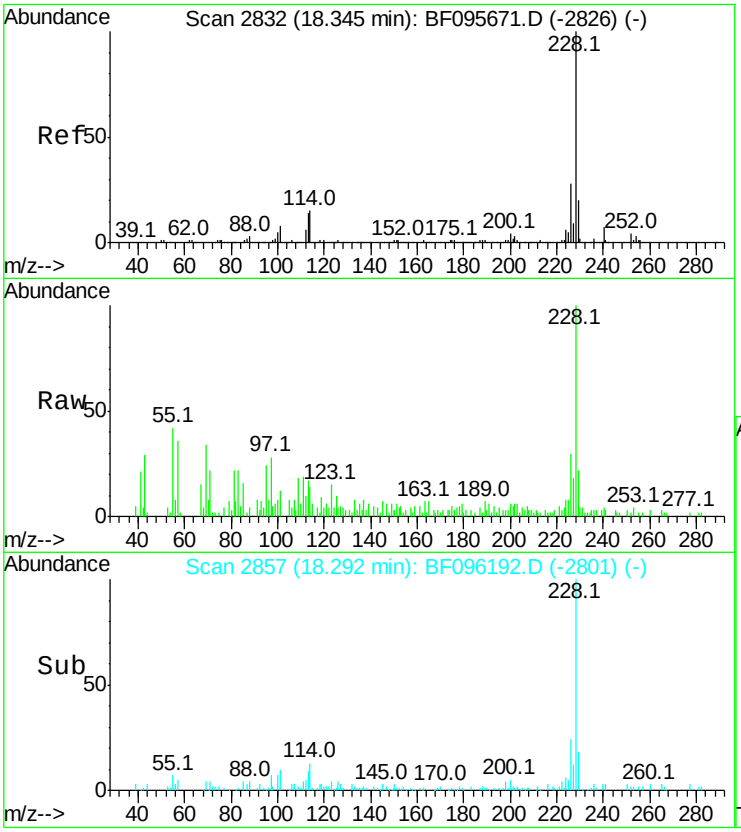




#78
Terphenyl-d14
Concen: 66.48 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:244 Resp: 345129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 6.0 | 9.0 |
| 122 | 15.3 | 10.3 | 15.5 |



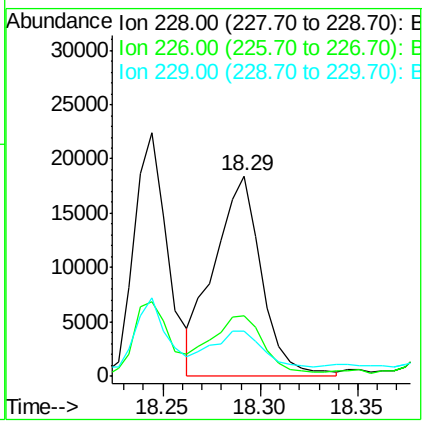


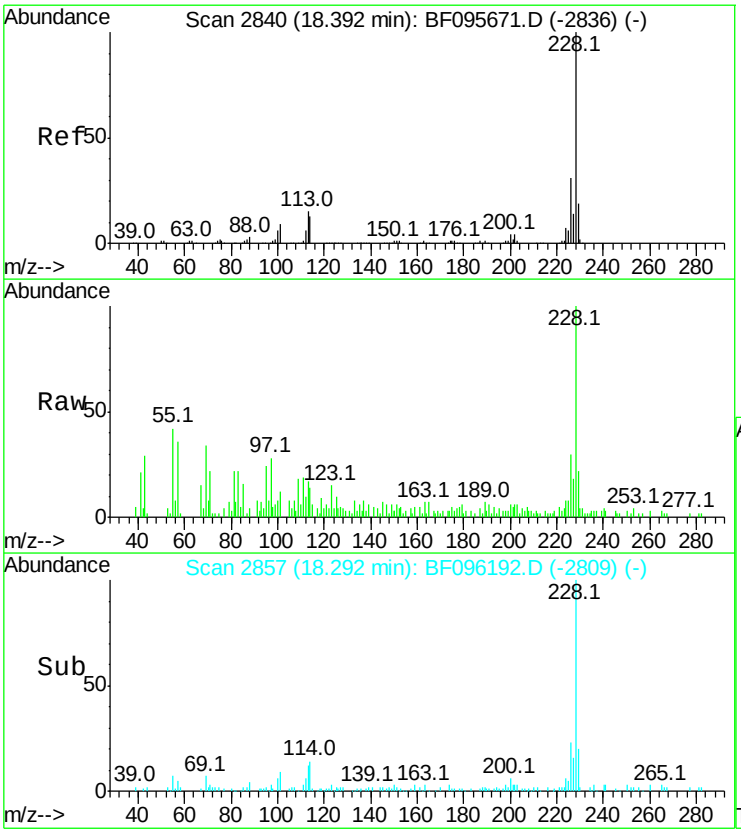

#80
Benzo(a)anthracene
Concen: 4.16 ng
RT: 18.29 min Scan# 2857
Delta R.T. 0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:228 Resp: 31181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 22.6 | 33.8 |
| 229 | 22.4 | 16.3 | 24.5 |

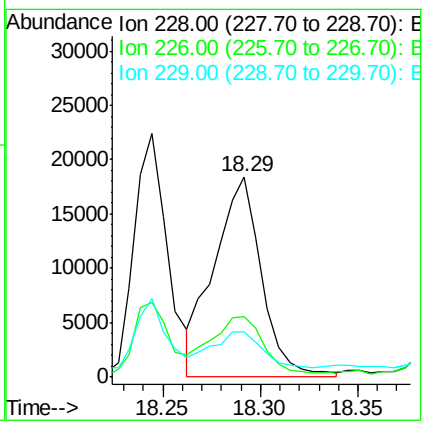


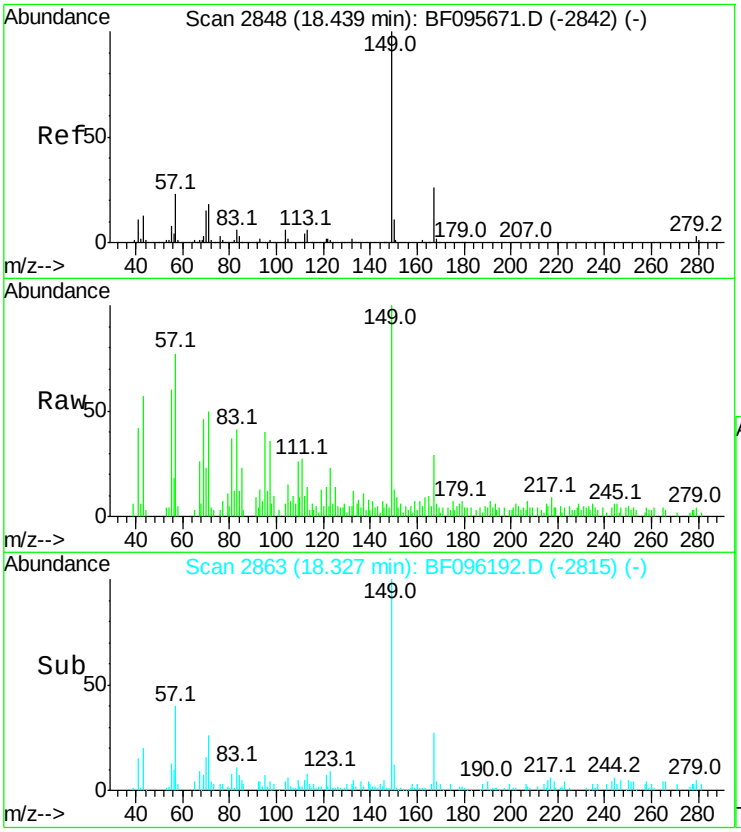




#82
Chrysene
Concen: 4.17 ng
RT: 18.29 min Scan# 2857
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:228 Resp: 31181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.9 | 37.3 |
| 229 | 22.4 | 15.8 | 23.6 |



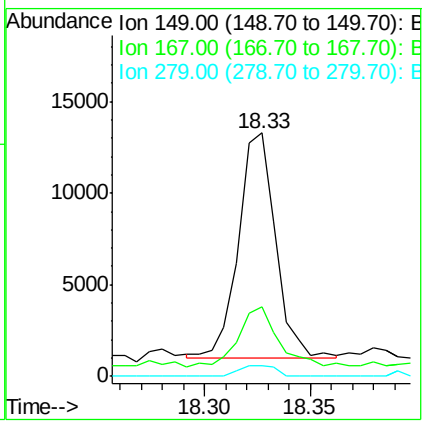


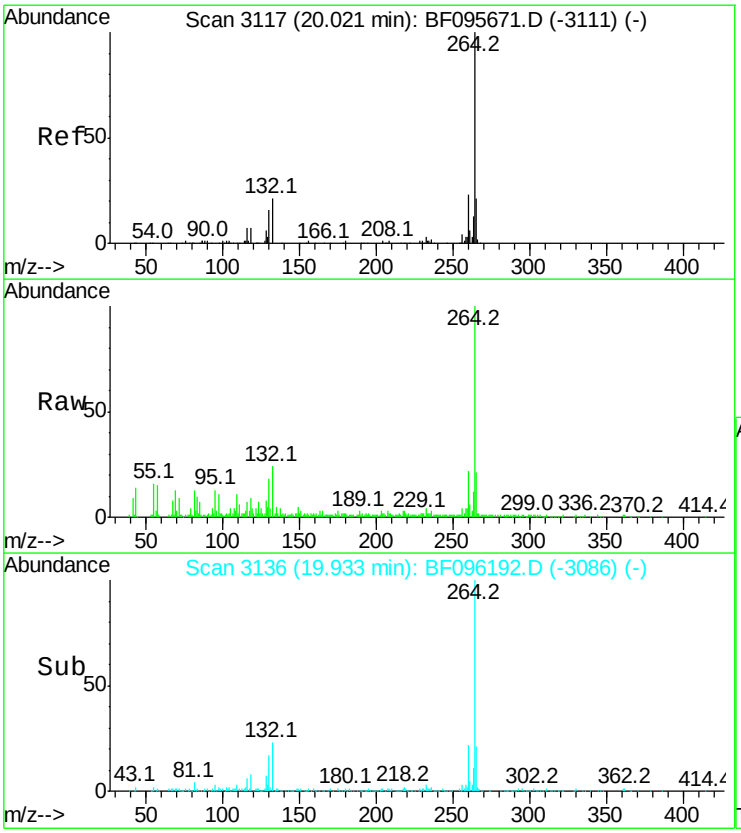

#83
Bis(2-ethylhexyl)phthalate
Concen: 2.53 ng
RT: 18.33 min Scan# 2863
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:149 Resp: 14970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.7 | 21.0 | 31.4 |
| 279 | 4.3 | 1.9 | 2.9# |

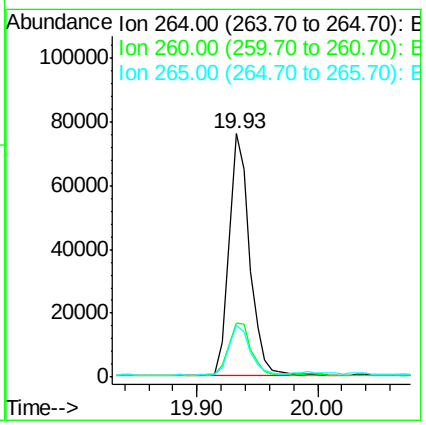


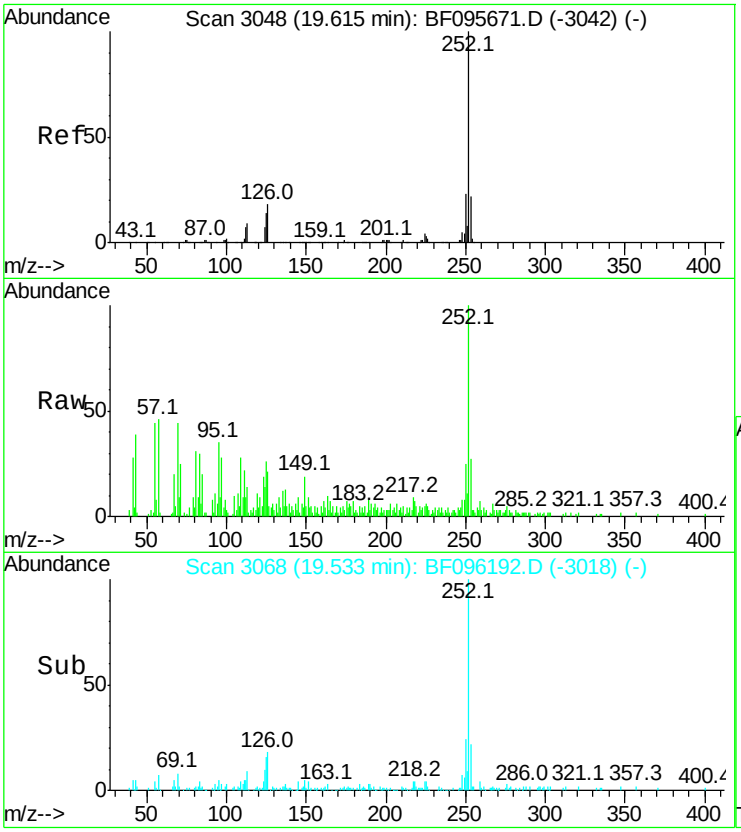




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:264 Resp: 90515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 19.5 | 29.3 |
| 265 | 21.4 | 17.2 | 25.8 |



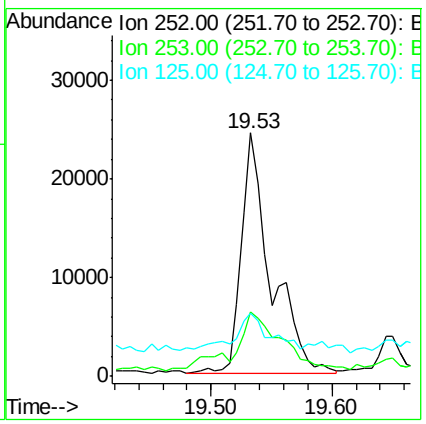


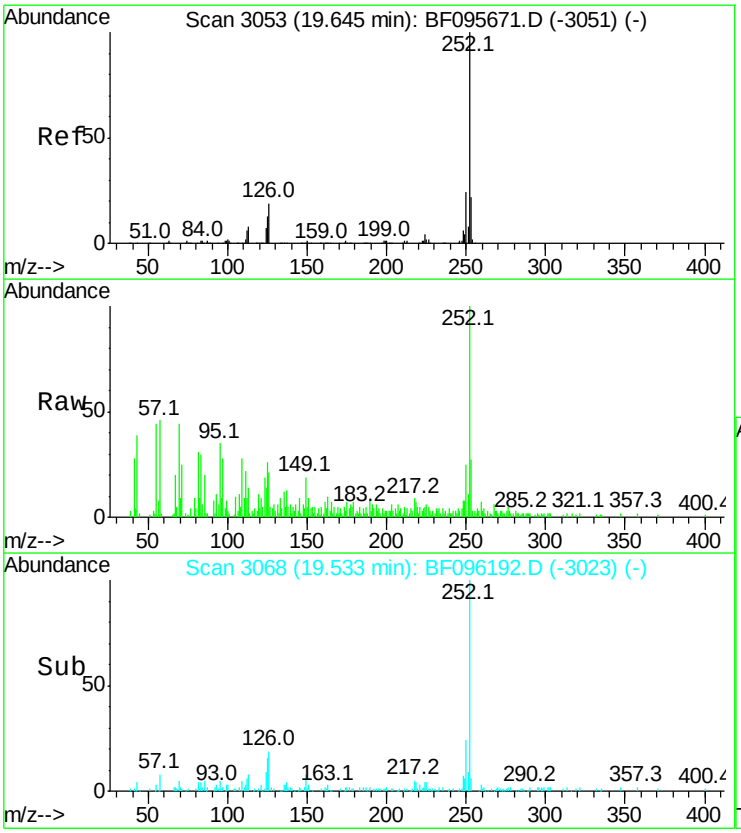

#87
Benzo(b)fluoranthene
Concen: 7.29 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:252 Resp: 41308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 18.1 | 27.1 |
| 125 | 25.9 | 9.8 | 14.8# |

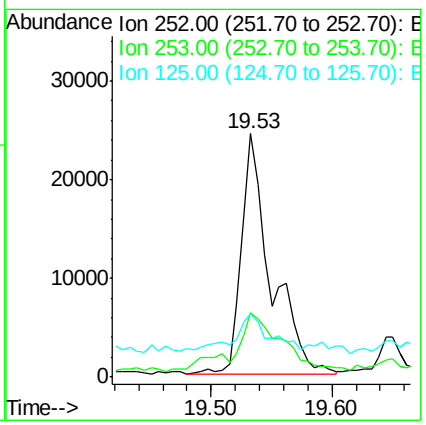


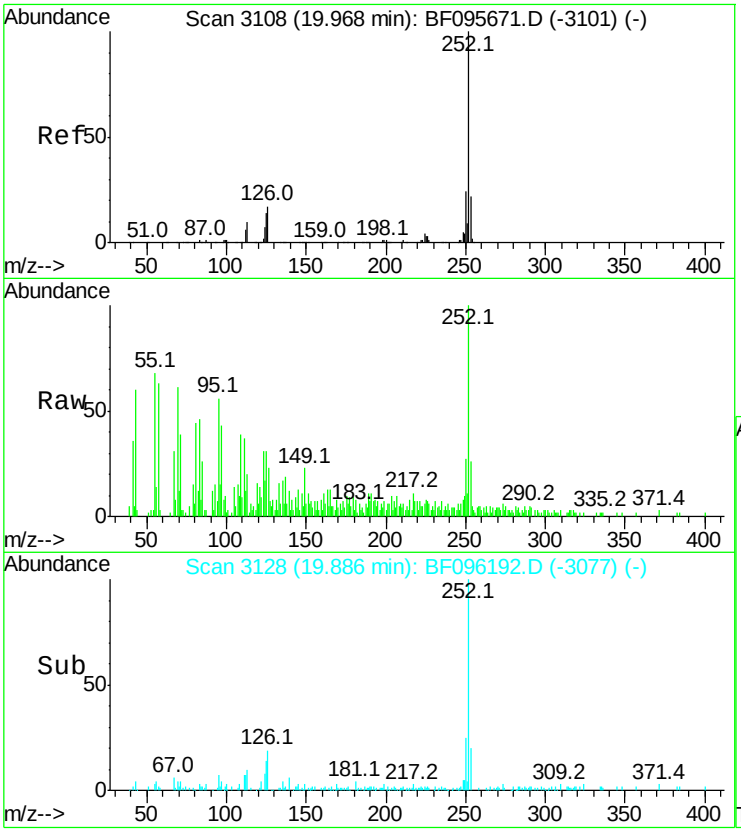




#88
Benzo(k)fluoranthene
Concen: 7.62 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:252 Resp: 41308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 18.4 | 27.6 |
| 125 | 25.9 | 13.1 | 19.7# |



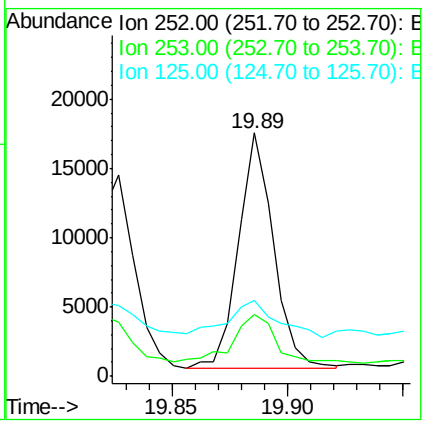


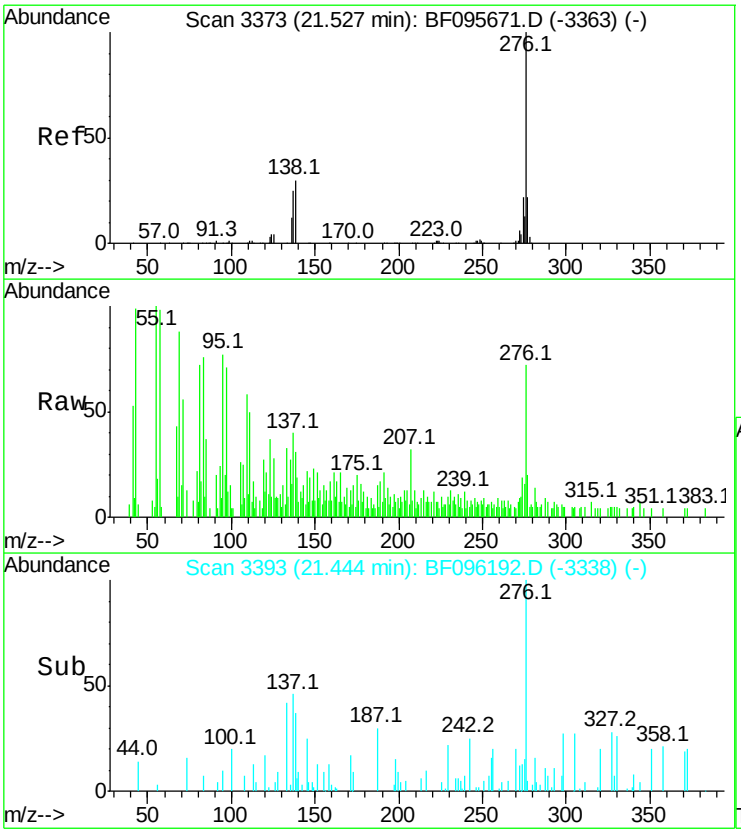

#89
Benzo(a)pyrene
Concen: 3.49 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

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

Tgt Ion:252 Resp: 18192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.5 | 26.3 |
| 125 | 31.2 | 11.0 | 16.4# |




#91
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 21.44 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:276 Resp: 11164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.9 | 18.6 | 28.0 |
| 138 | 42.8 | 25.4 | 38.0# |