Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
Data File : BF101665.D
Acq On : 22 Dec 2017 20:36
Operator : SJ/JU
Sample : I7022-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11938

Quant Time: Dec 22 22:37:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 138806 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 539071 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 222233 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 369851 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.96 | 240 | 283797 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 298271 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 155410 | 16.68 | ng | 0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 196904 | 16.98 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 119162 | 12.30 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 30815 | 14.39 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 195910 | 13.68 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.89 | 244 | 132524 | 11.26 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 15606 | 2.049 | ng | # 82 |
| 25) Isophorone | 7.36 | 82 | 119162 | 6.134 | ng | # 64 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 28135 | 7.744 | ng | # 25 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 28135 | 6.873 | ng | # 23 |
| 70) Phenanthrene | 11.34 | 178 | 47475 | 2.308 | ng | 97 |
| 74) Fluoranthene | 12.53 | 202 | 90906 | 4.211 | ng | 97 |
| 77) Pyrene | 12.76 | 202 | 83216 | 3.907 | ng | 99 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 50287 | 2.683 | ng | 97 |
| 82) Chrysene | 13.99 | 228 | 44387 | 2.509 | ng | 97 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 83133 | 4.573 | ng | # 96 |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 82809 | 4.685 | ng | 98 |
| 89) Benzo(a)pyrene | 15.37 | 252 | 46013 | 2.745 | ng | # 97 |
| 91) Benzo(g,h,i)perylene | 17.36 | 276 | 29203 | 2.050 | ng | 96 |

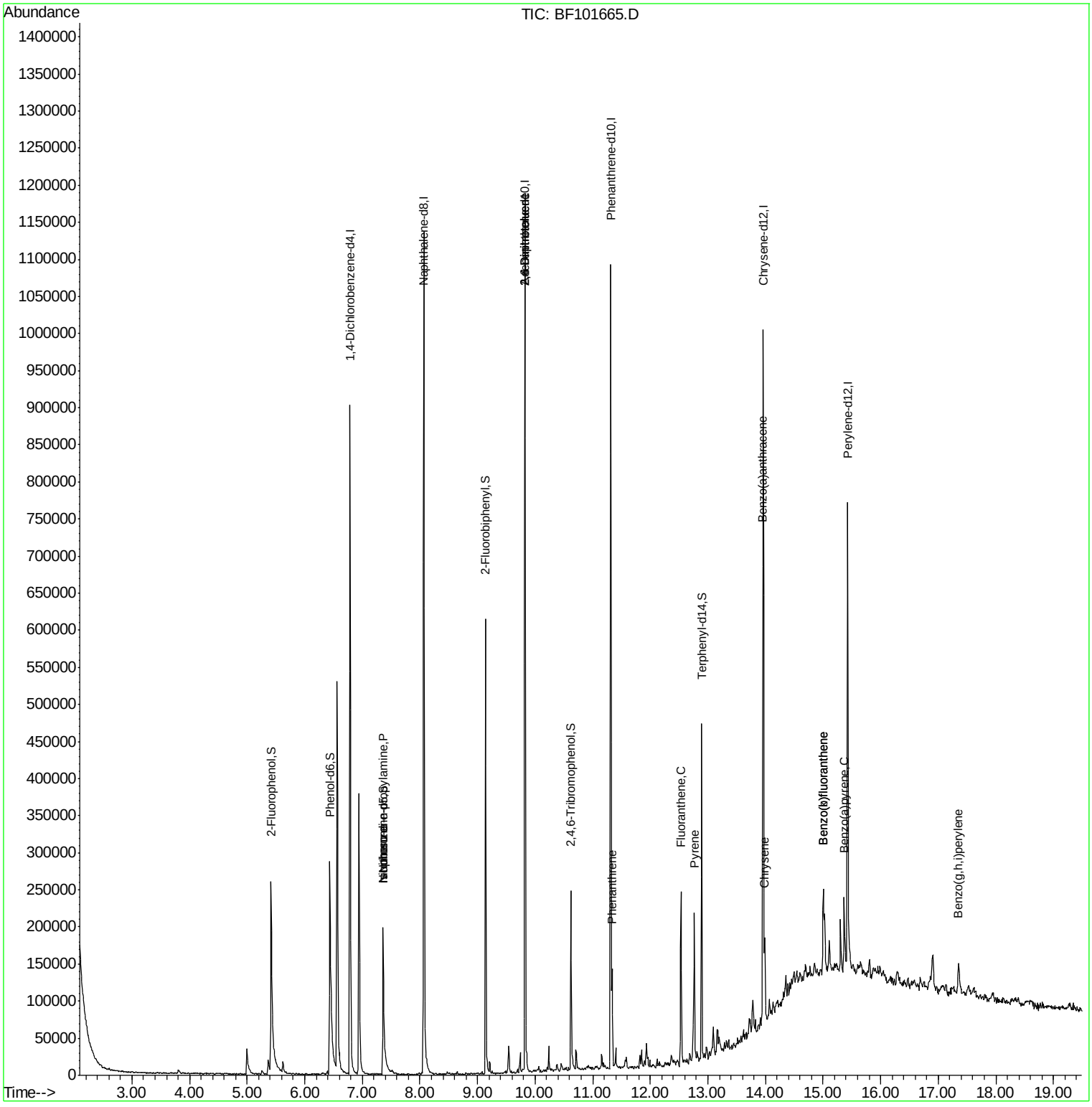
(#) = qualifier out of range (m) = manual integration (+) = signals summed

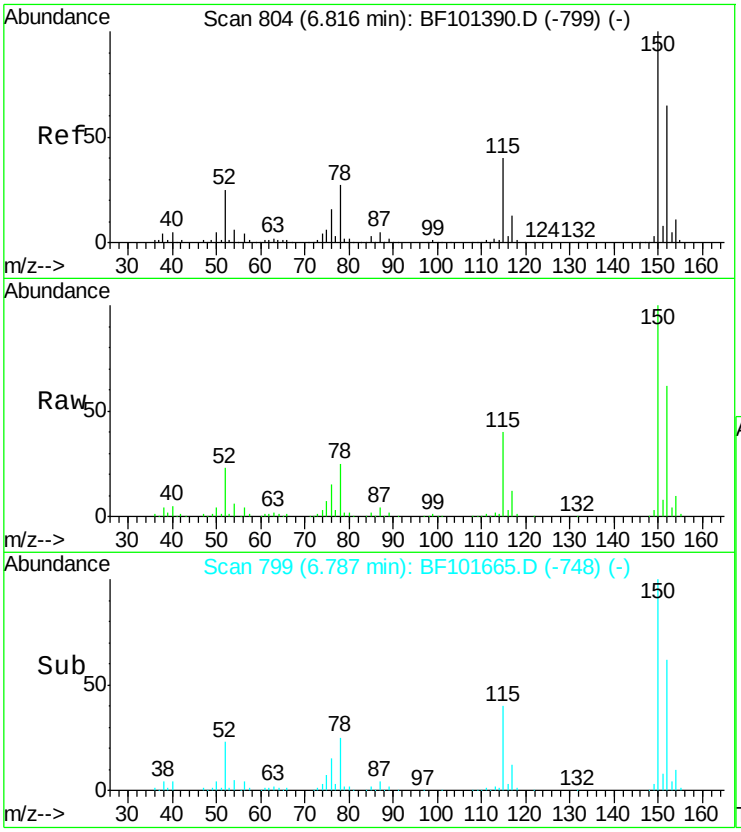
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
Data File : BF101665.D
Acq On : 22 Dec 2017 20:36
Operator : SJ/JU
Sample : I7022-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Quant Time: Dec 22 22:37:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration



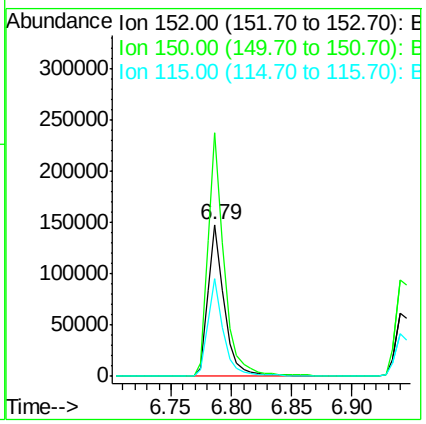


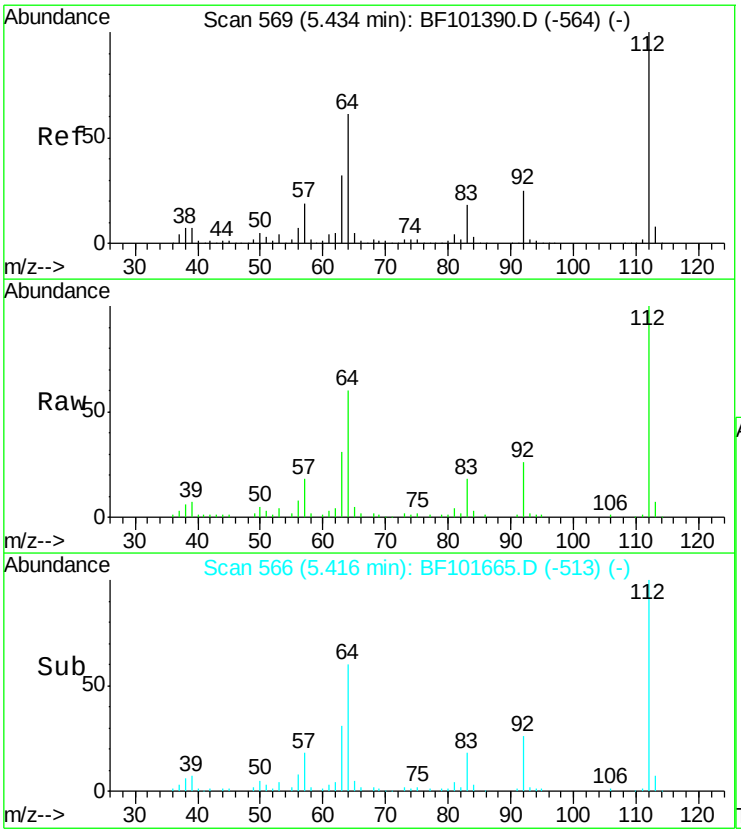

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:152 Resp: 138806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.6 | 124.6 | 186.8 |
| 115 | 64.3 | 50.1 | 75.1 |

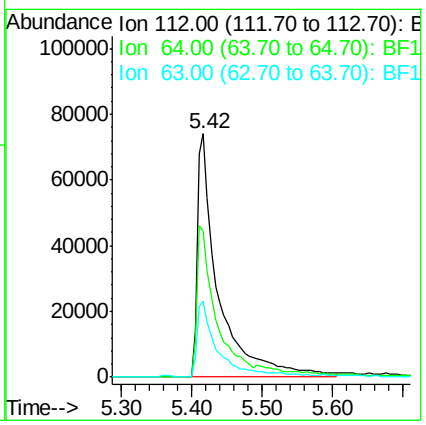


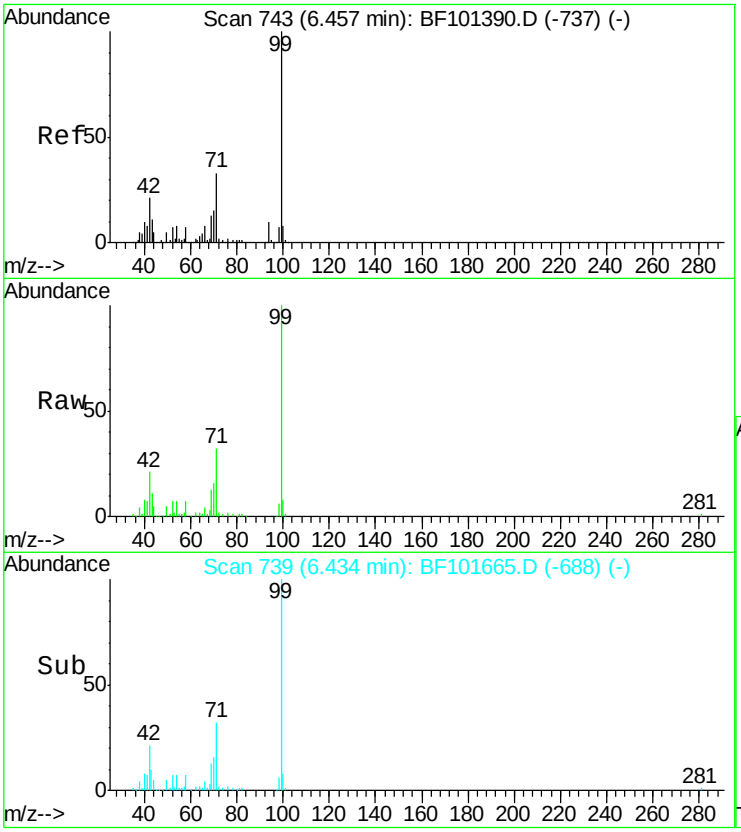




#5
2-Fluorophenol
Concen: 16.678 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:112 Resp: 155410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 47.9 | 71.9 |
| 63 | 30.9 | 23.7 | 35.5 |



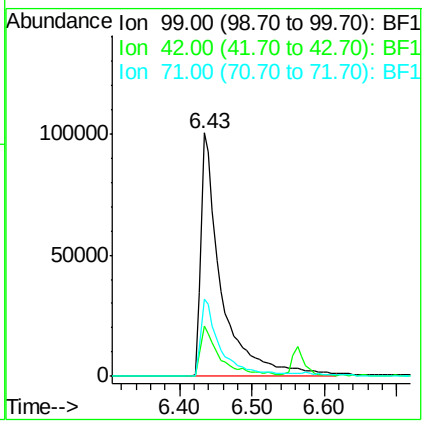


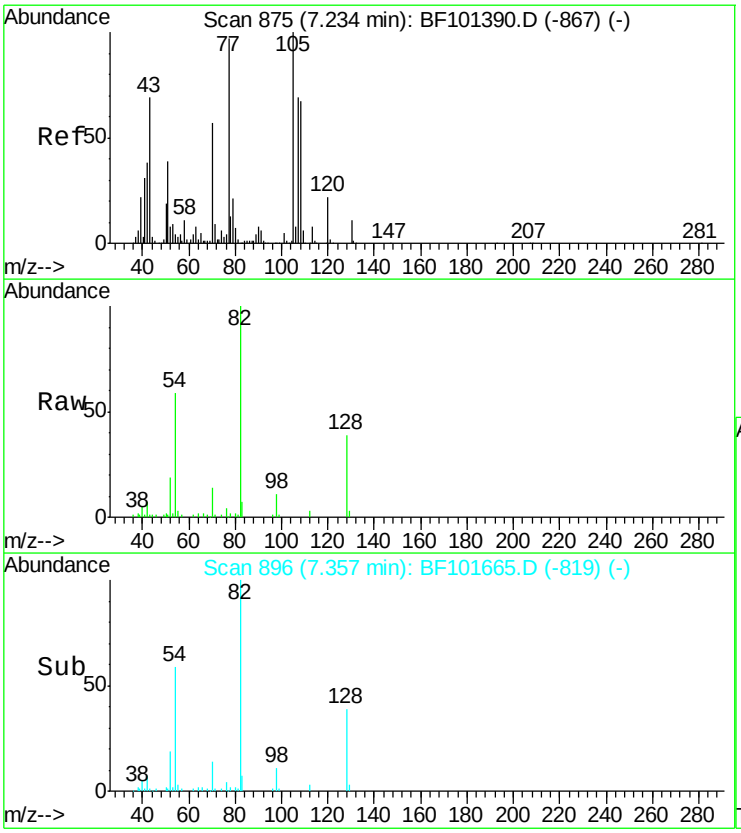

#7
Phenol-d6
Concen: 16.979 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion: 99 Resp: 196904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 14.5 | 21.7 |
| 71 | 32.0 | 25.4 | 38.0 |

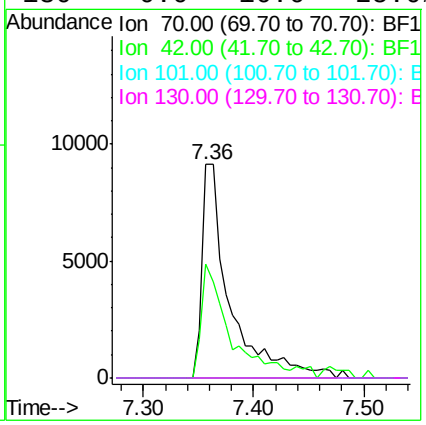


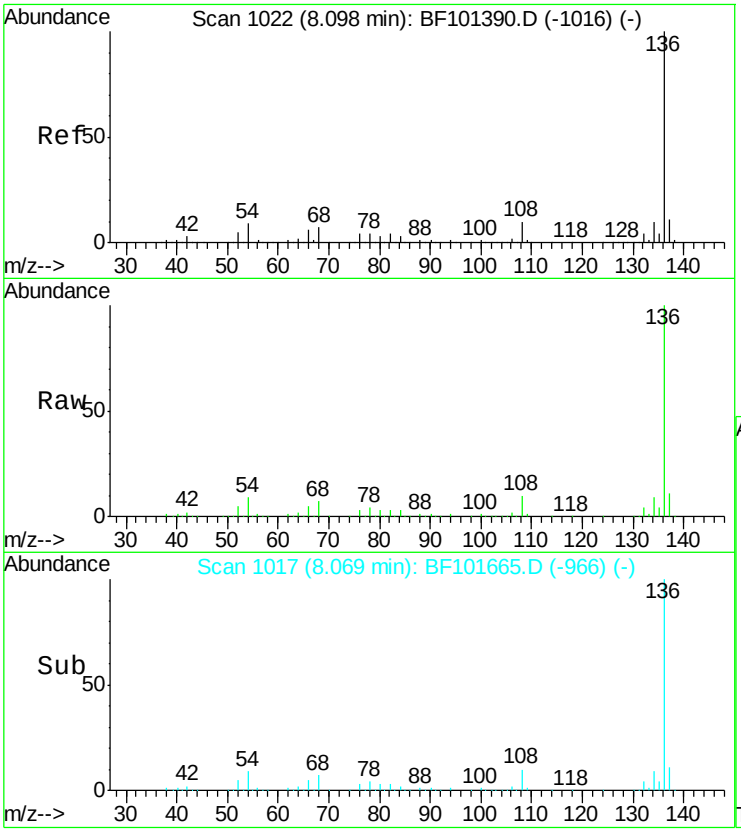




#19
n-Nitroso-di-n-propylamine
Concen: 2.049 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion: 70 Resp: 15606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.3 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 16.6 | 25.0# |



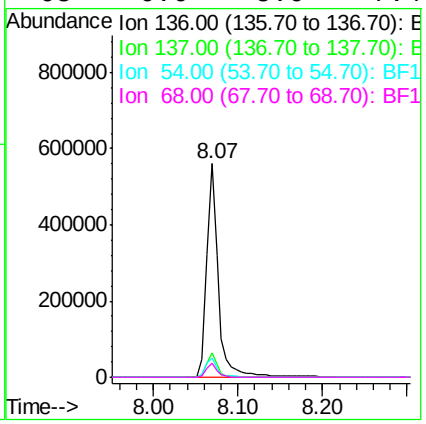


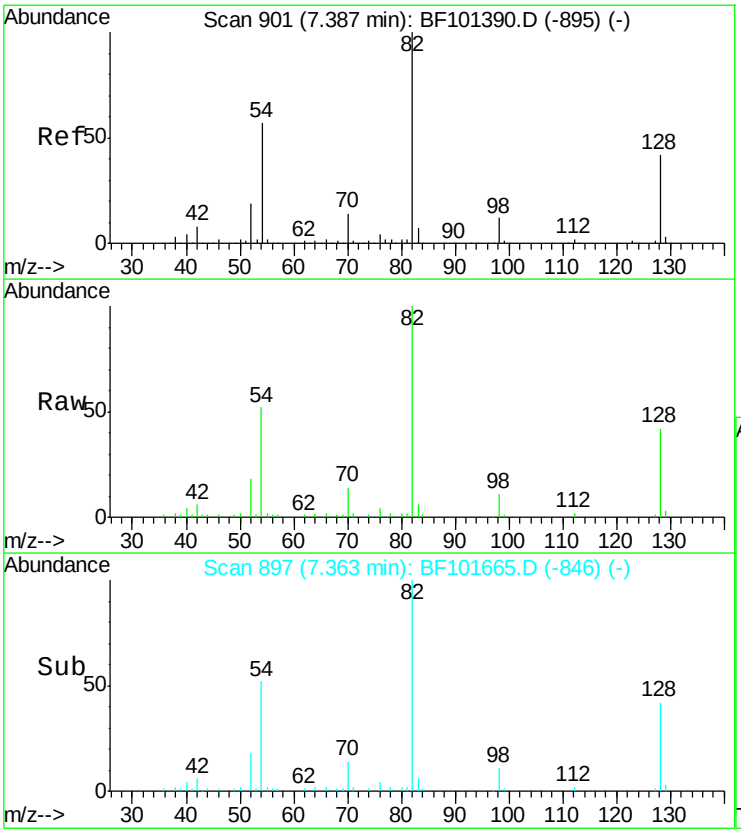

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:136 Resp: 539071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 8.9 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |

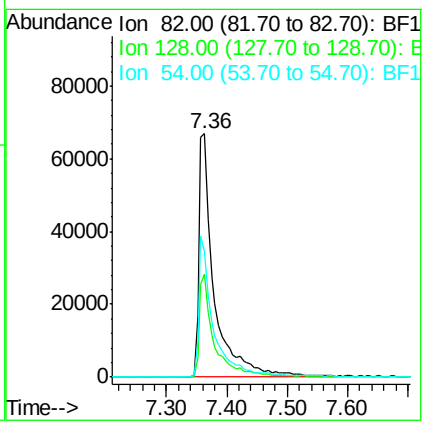


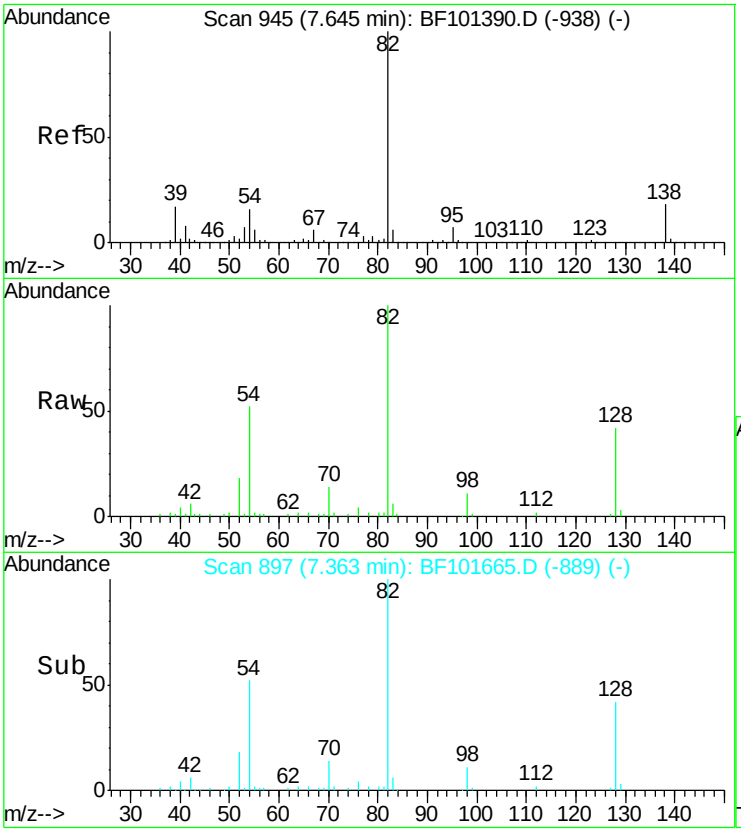




#23
Nitrobenzene-d5
Concen: 12.305 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion: 82 Resp: 119162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 36.1 | 54.1 |
| 54 | 51.8 | 41.4 | 62.2 |



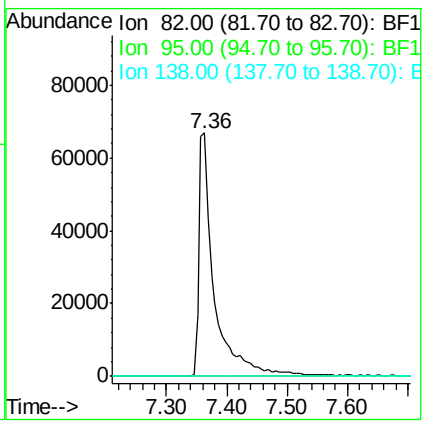


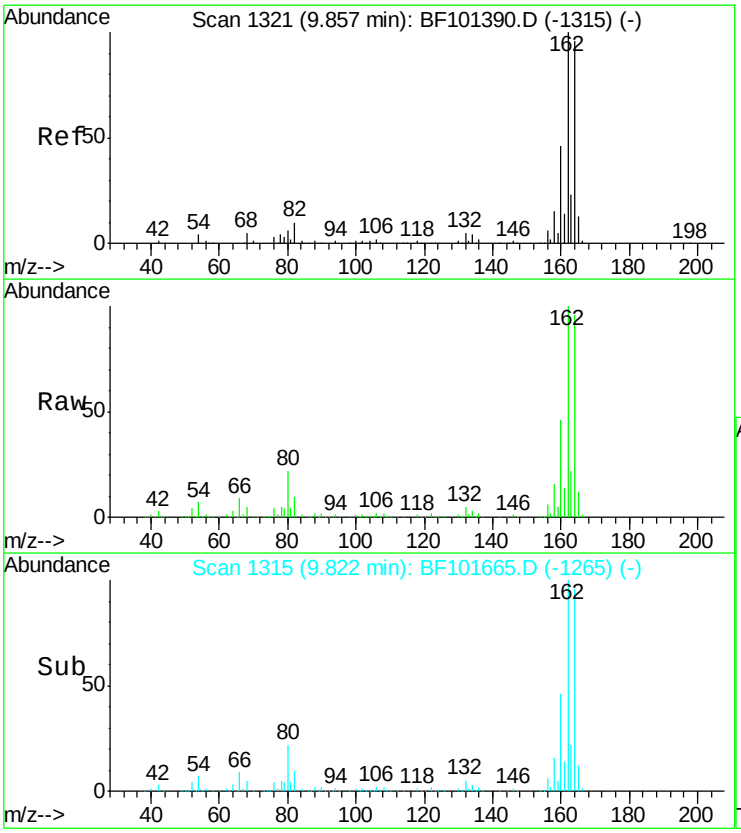

#25
Isophorone
Concen: 6.134 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.25 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion: 82 Resp: 119162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

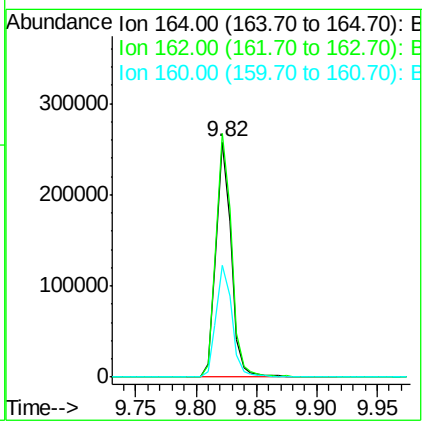


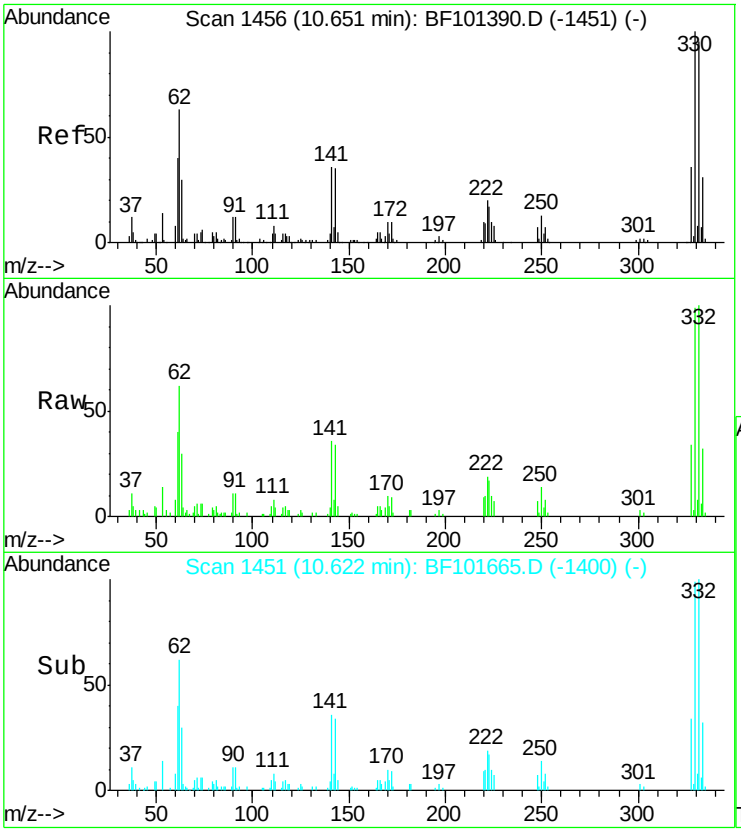




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:164 Resp: 222233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 86.1 | 129.1 |
| 160 | 47.5 | 38.3 | 57.5 |



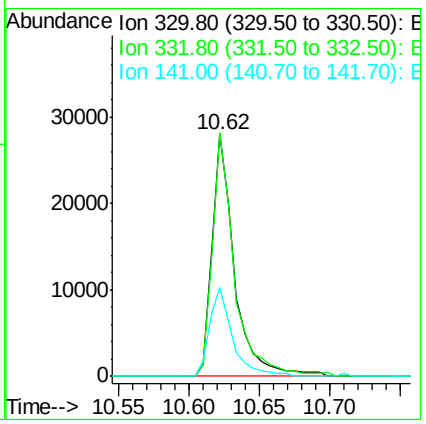


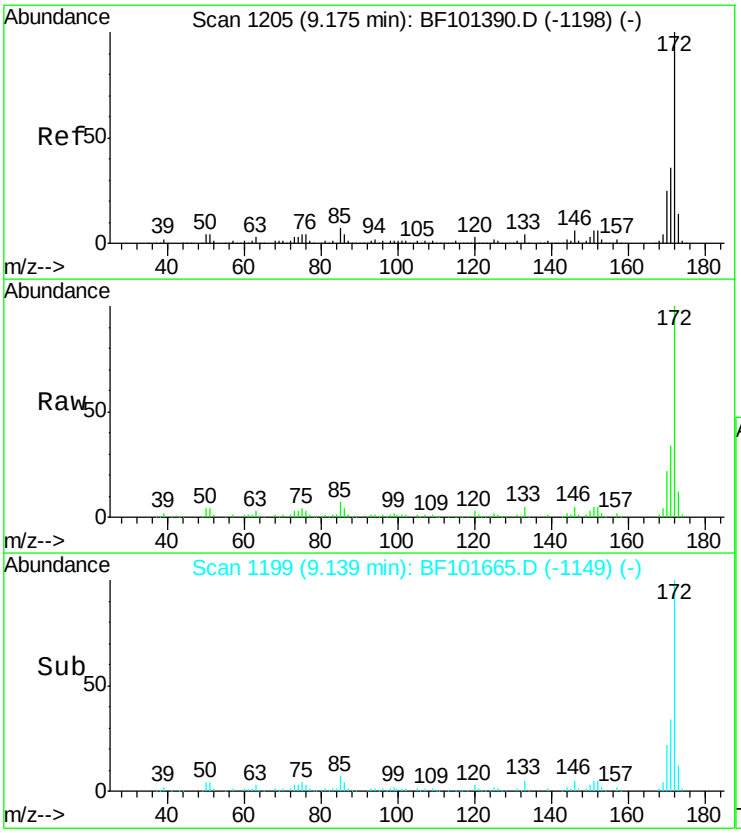

#41
2,4,6-Tribromophenol
Concen: 14.390 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:330 Resp: 30815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.5 | 77.0 | 115.6 |
| 141 | 37.7 | 29.9 | 44.9 |

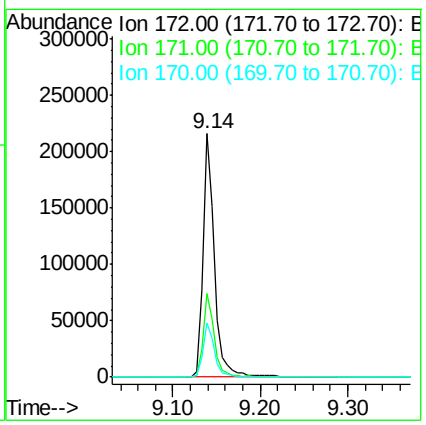


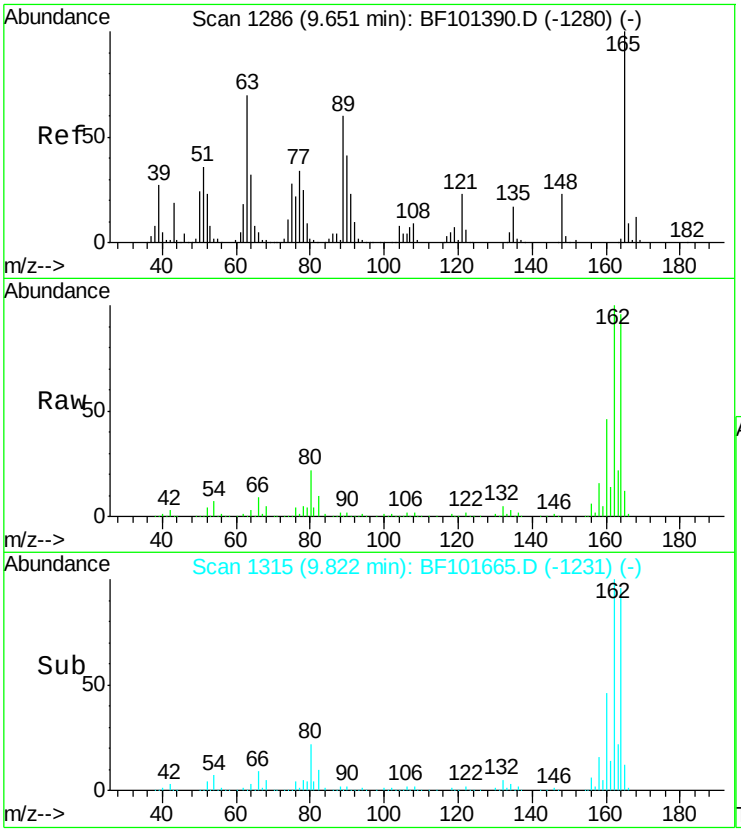




#44
2-Fluorobiphenyl
Concen: 13.675 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:172 Resp: 195910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 29.7 | 44.5 |
| 170 | 22.3 | 19.6 | 29.4 |



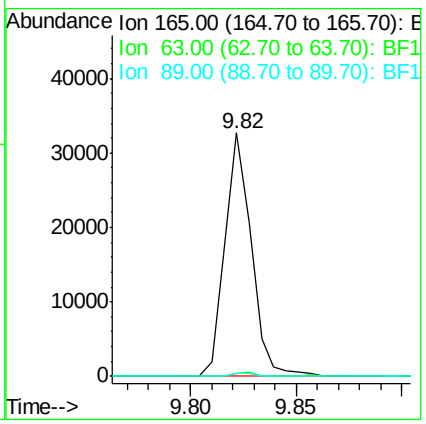


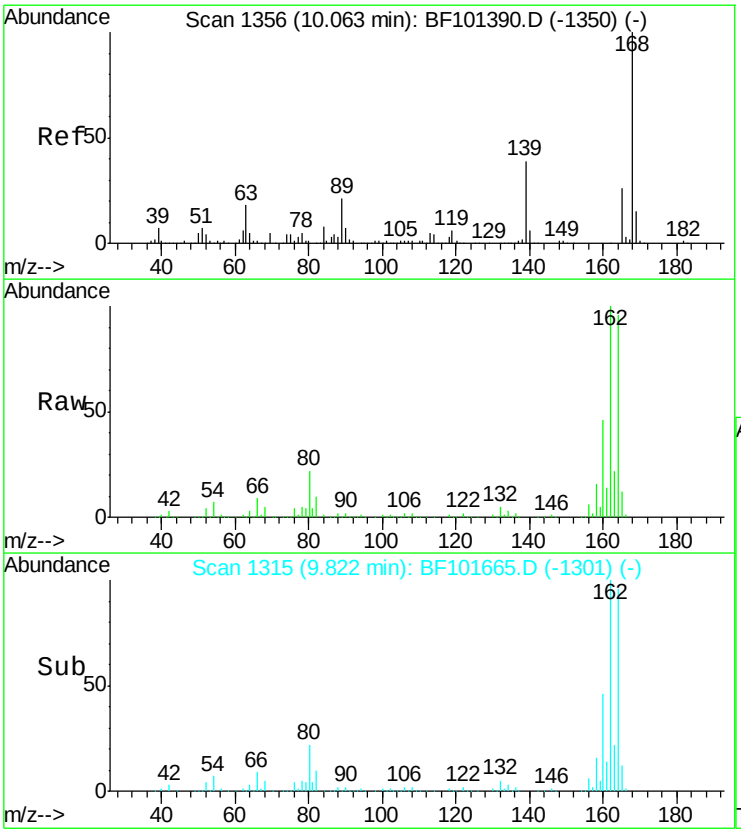

#50
2,6-Dinitrotoluene
Concen: 7.744 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:165 Resp: 28135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 44.7 | 67.1# |
| 89 | 1.5 | 44.0 | 66.0# |

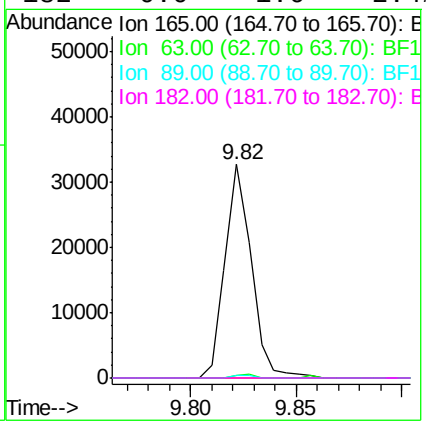


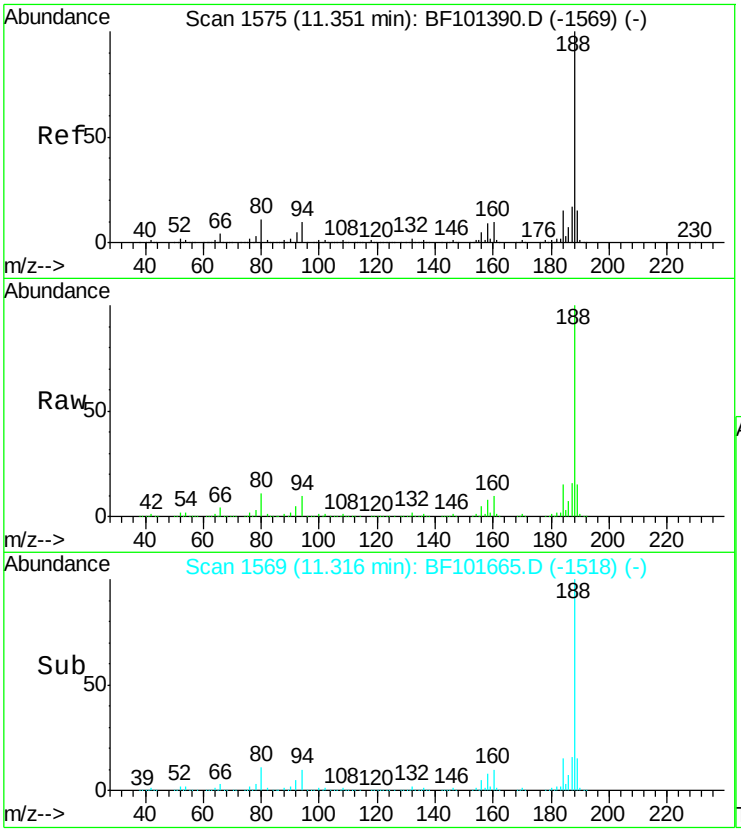




#56
2,4-Dinitrotoluene
Concen: 6.873 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:165 Resp: 28135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.0 | 36.4 | 54.6# |
| 89 | 1.5 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



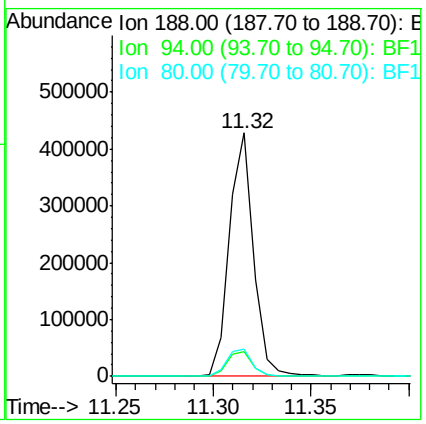


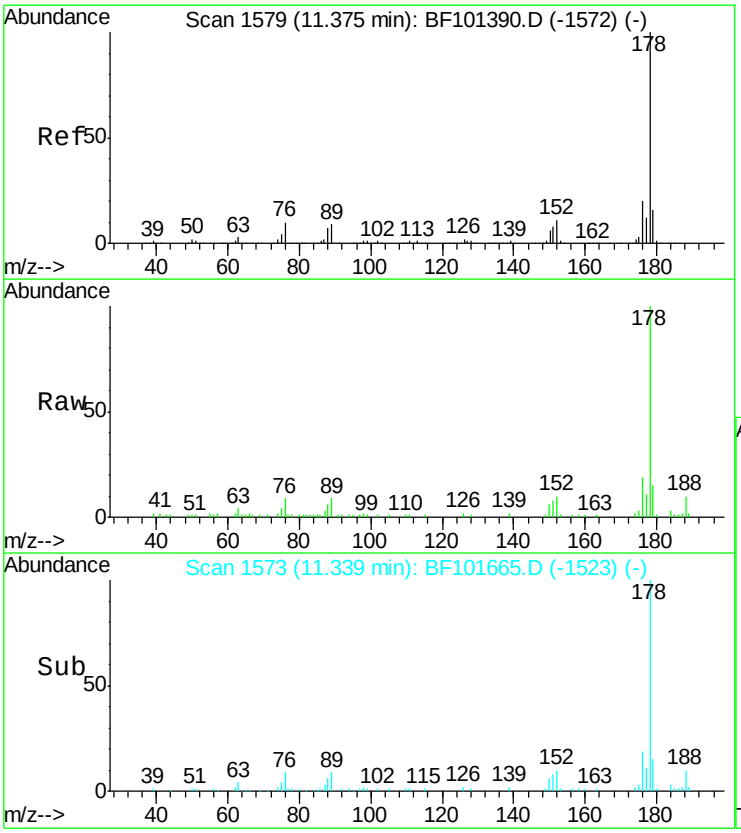

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:188 Resp: 369851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.5 | 12.7 |
| 80 | 11.0 | 9.2 | 13.8 |

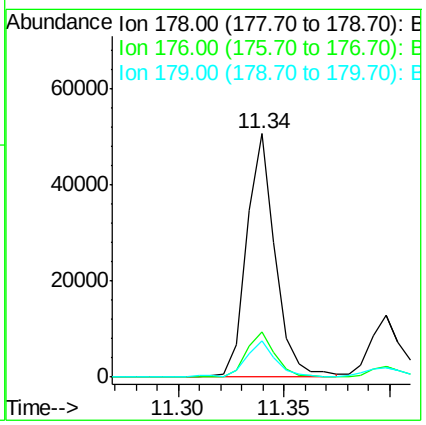


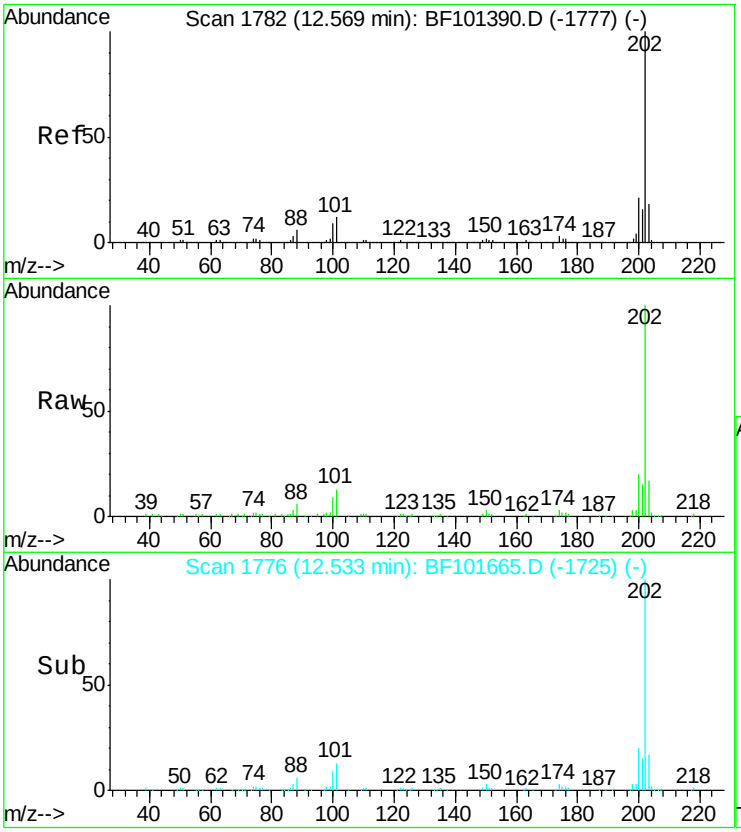




#70
Phenanthrene
Concen: 2.308 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:178 Resp: 47475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.8 | 23.8 |
| 179 | 14.7 | 13.0 | 19.6 |



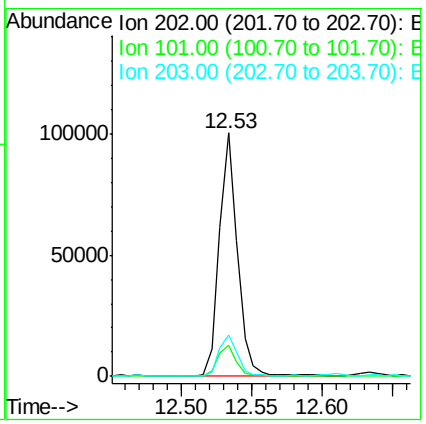


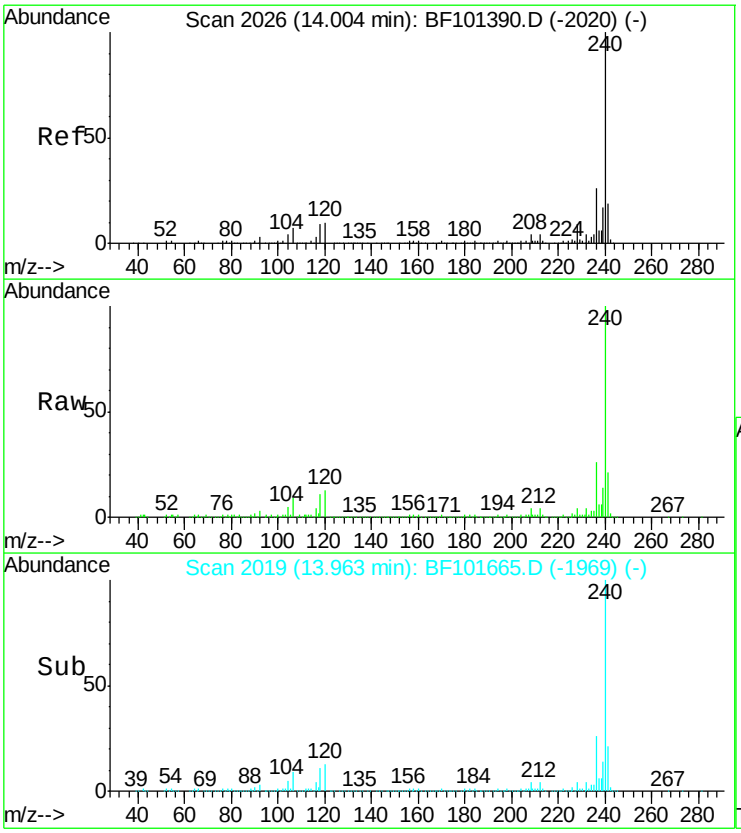

#74
Fluoranthene
Concen: 4.211 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:202 Resp: 90906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 34.1 |
| 203 | 17.0 | 0.0 | 38.1 |

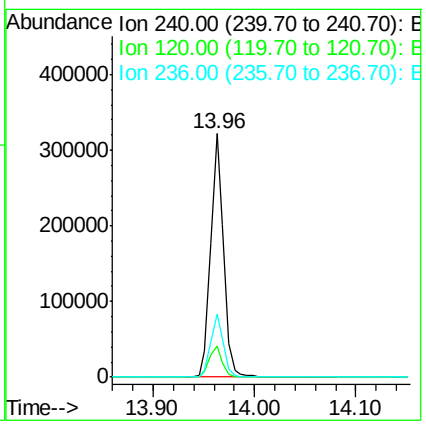


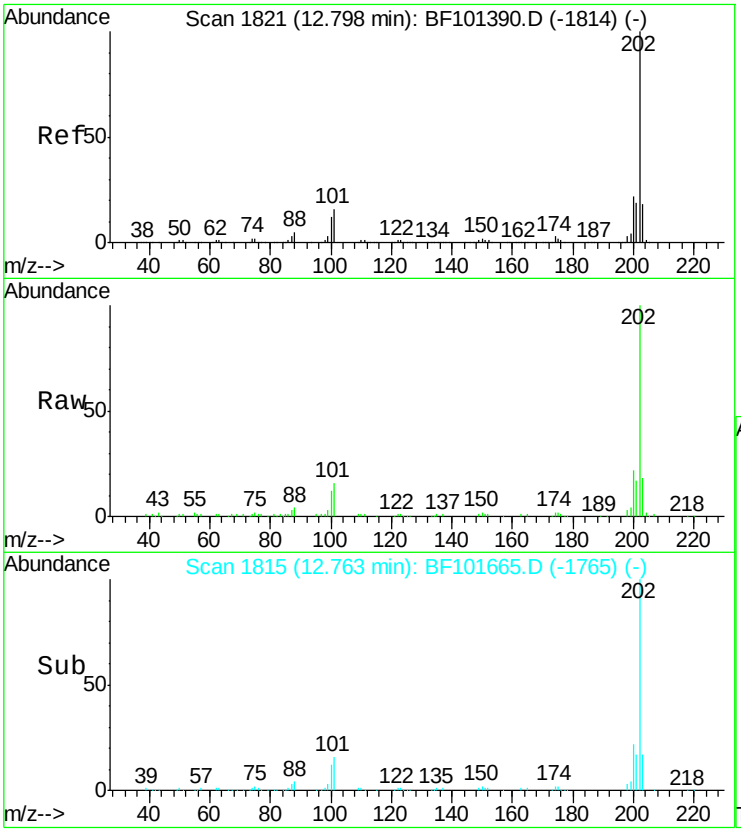




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:240 Resp: 283797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.8 | 9.5 | 14.3 |
| 236 | 26.0 | 20.7 | 31.1 |



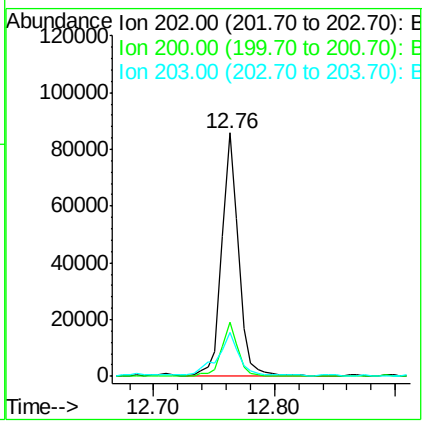


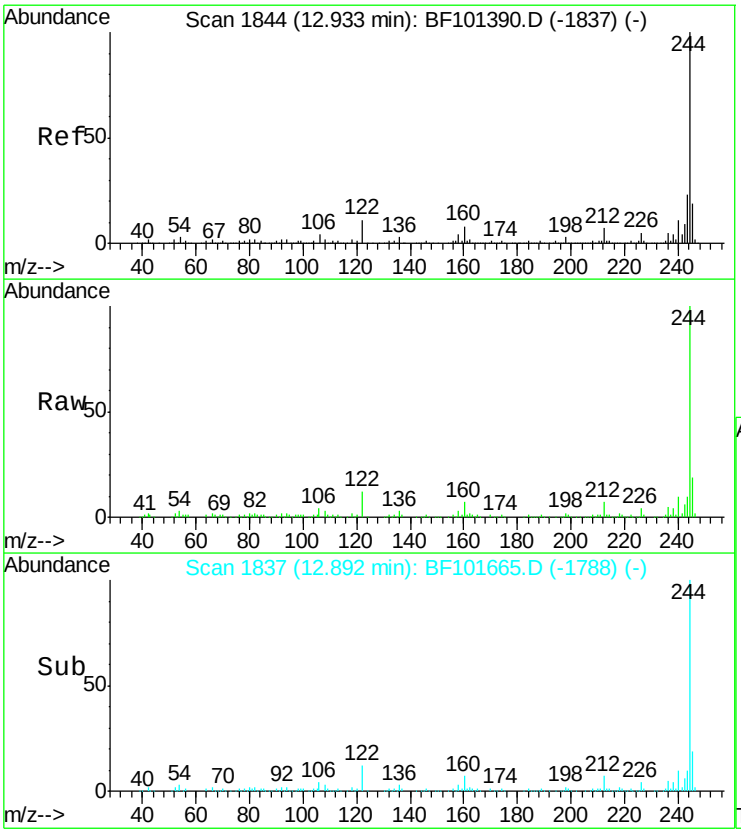

#77
Pyrene
Concen: 3.907 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:202 Resp: 83216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.2 | 17.4 | 26.2 |
| 203 | 18.0 | 14.3 | 21.5 |

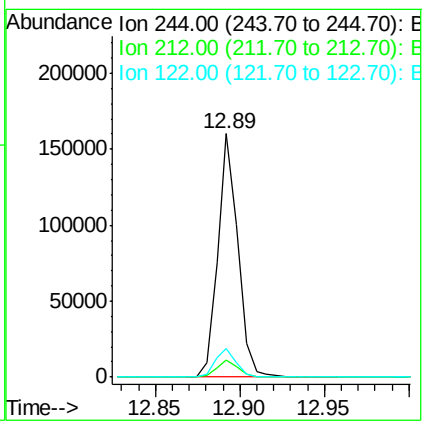


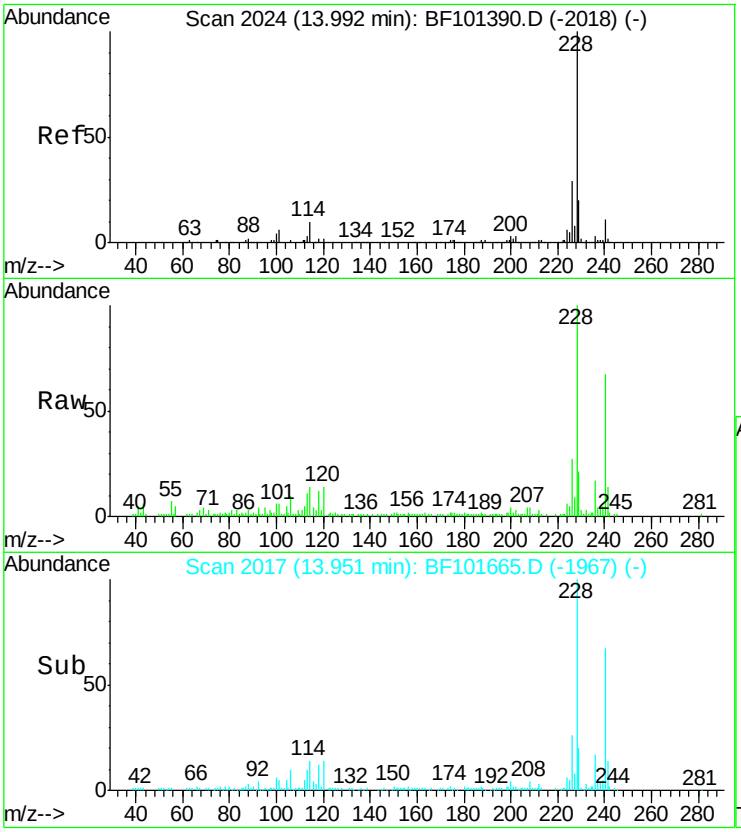




#78
Terphenyl-d14
Concen: 11.258 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:244 Resp: 132524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 11.9 | 11.0 | 16.4 |



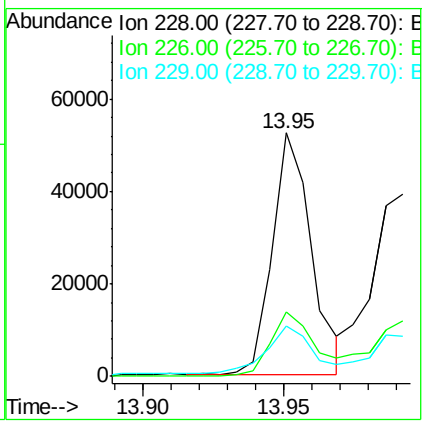


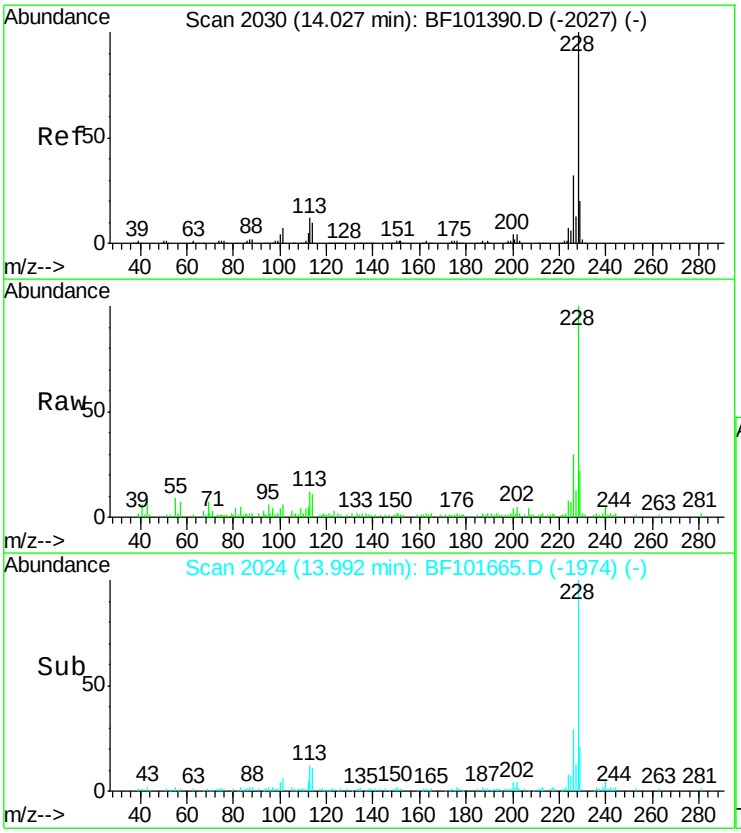

#80
Benzo(a)anthracene
Concen: 2.683 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:228 Resp: 50287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 22.6 | 33.8 |
| 229 | 20.8 | 15.8 | 23.6 |

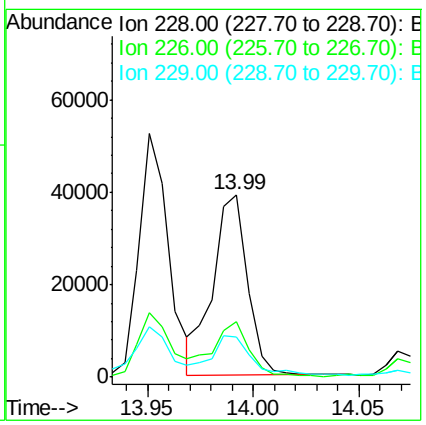


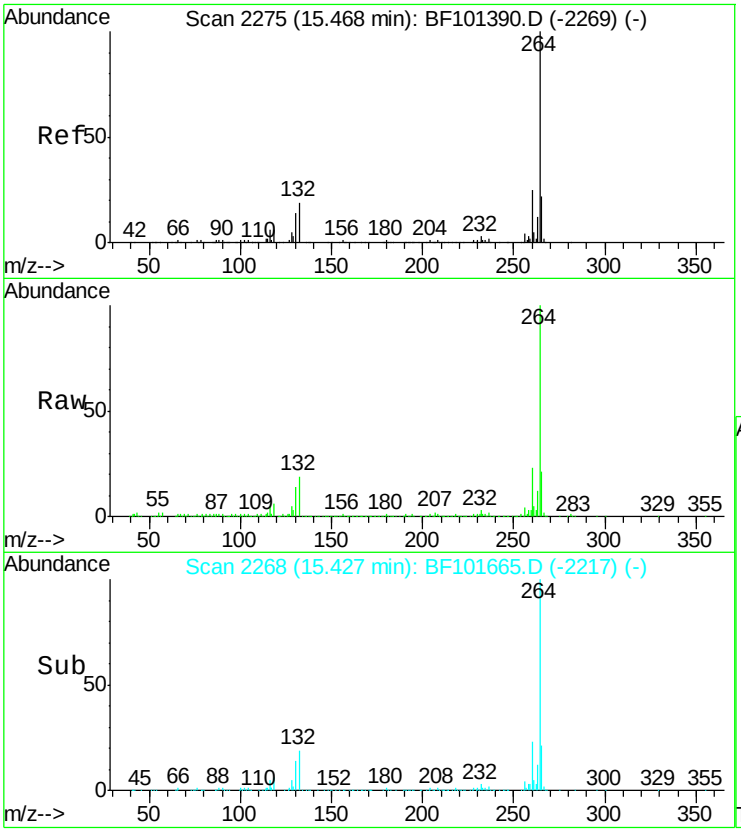




#82
Chrysene
Concen: 2.509 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:228 Resp: 44387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 25.0 | 37.6 |
| 229 | 22.1 | 16.2 | 24.4 |



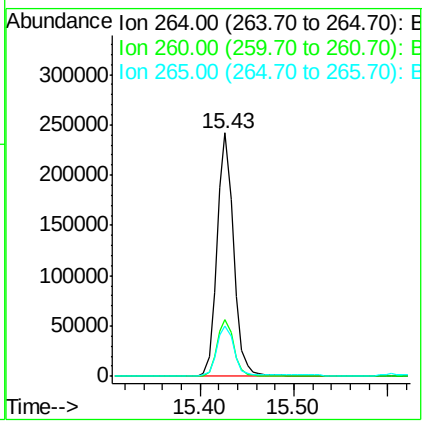


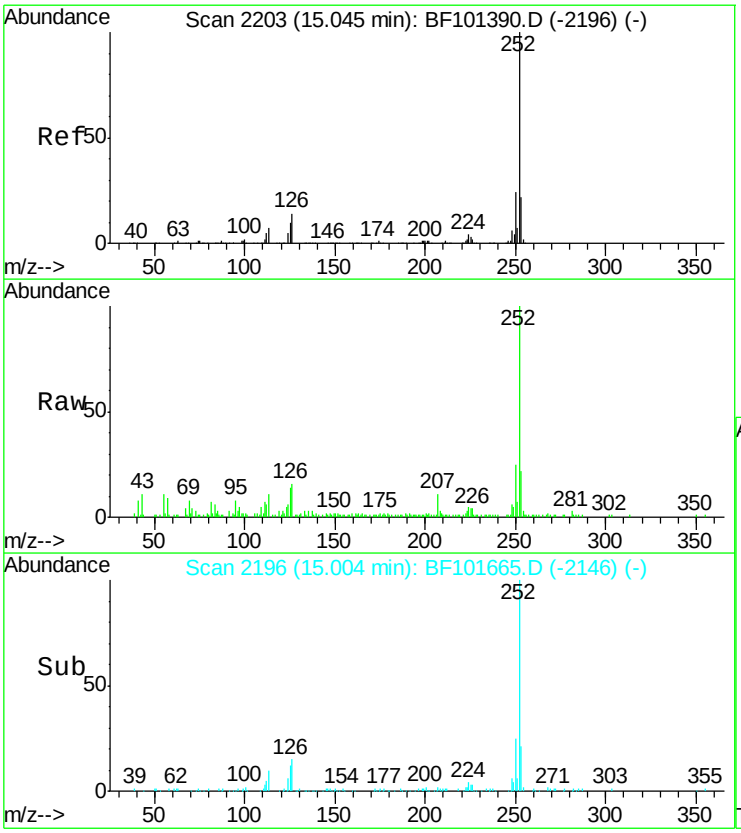

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:264 Resp: 298271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.2 | 28.8 |
| 265 | 20.8 | 17.5 | 26.3 |

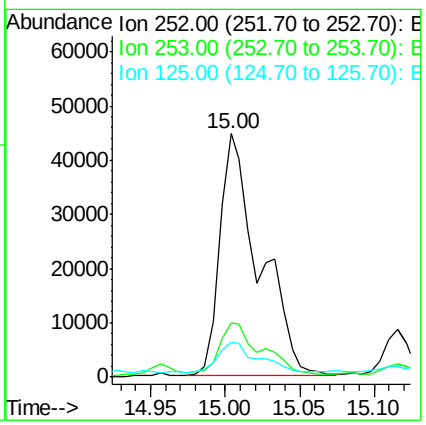


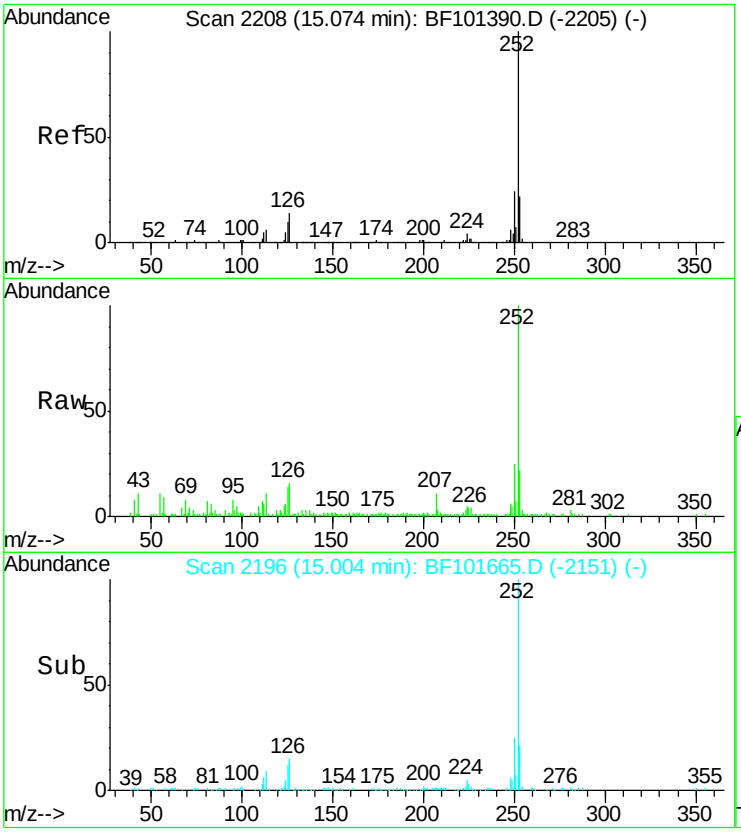




#87
Benzo(b)fluoranthene
Concen: 4.573 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:252 Resp: 83133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.0 | 25.6 |
| 125 | 14.4 | 9.0 | 13.6# |



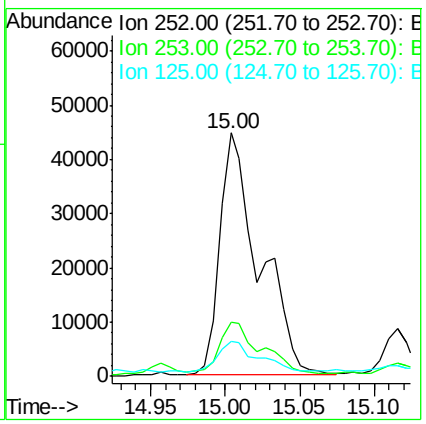


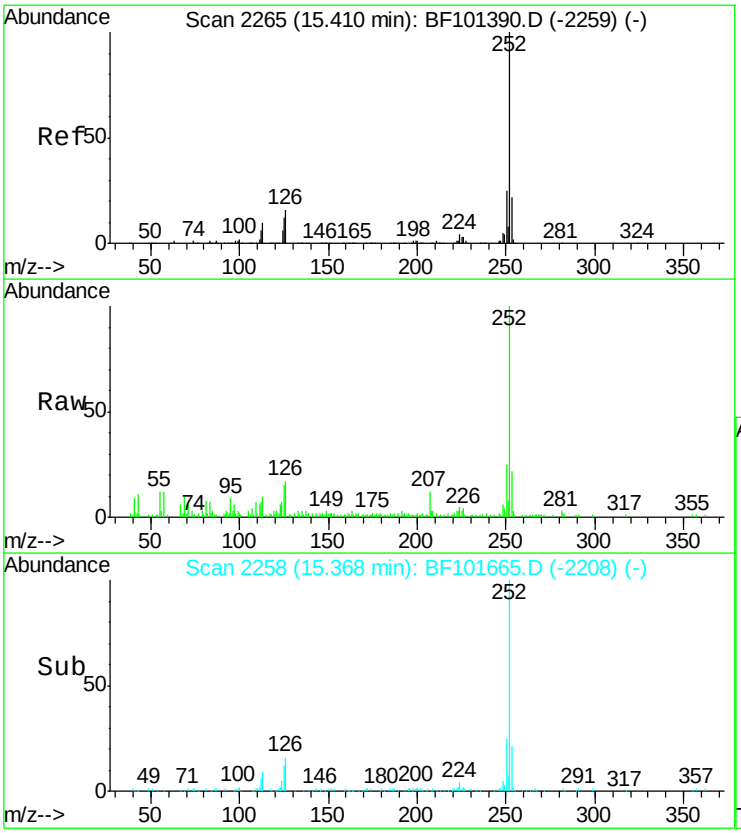

#88
Benzo(k)fluoranthene
Concen: 4.685 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:252 Resp: 82809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.9 | 26.9 |
| 125 | 14.4 | 10.2 | 15.2 |

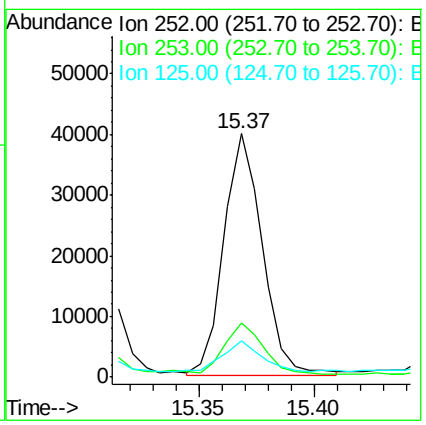


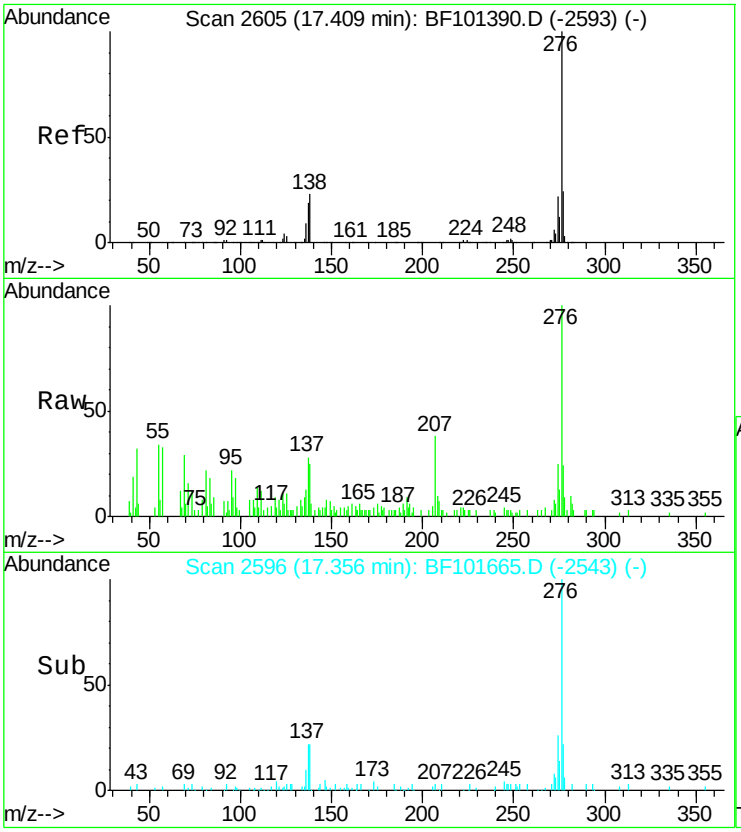




#89
Benzo(a)pyrene
Concen: 2.745 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:252 Resp: 46013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.1 | 25.7 |
| 125 | 14.8 | 9.8 | 14.6# |






#91
Benzo(g,h,i)perylene
Concen: 2.050 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

**Instrument :**
BNA_F
**ClientSampleId :**
72-11938

Tgt Ion:276 Resp: 29203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 17.9 | 26.9 |
| 138 | 24.8 | 21.8 | 32.8 |