Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 11 18:37:47 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 11 13:19:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 123562 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 474931 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 191937 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 307626 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 252398 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 193814 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 216964 | 26.85 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 259474 | 26.13 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 146517 | 20.14 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 48778 | 24.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 274273 | 22.57 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 218645 | 19.75 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.43 | 77 | 369 | Below Cal | | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 18655 | 2.875 | ng | # | 72 |
| 25) Isophorone | 7.37 | 82 | 146334 | 9.514 | ng | # | 64 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 25041 | 8.941 | ng | # | 25 |
| 70) Phenanthrene | 11.36 | 178 | 166432 | 9.715 | ng | | 97 |
| 71) Anthracene | 11.41 | 178 | 52930 | 3.039 | ng | | 99 |
| 74) Fluoranthene | 12.55 | 202 | 268564 | 15.004 | ng | | 98 |
| 76) Benzidine | 12.69 | 184 | 137 | Below Cal | | # | 1 |
| 77) Pyrene | 12.78 | 202 | 269411 | 14.400 | ng | | 100 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 122924 | 8.152 | ng | | 96 |
| 82) Chrysene | 14.01 | 228 | 122924 | 7.937 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 168609 | 13.774 | ng | # | 90 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 168609 | 14.590 | ng | # | 93 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 91053 | 8.313 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.34 | 276 | 48847 | 5.605 | ng | | 96 |

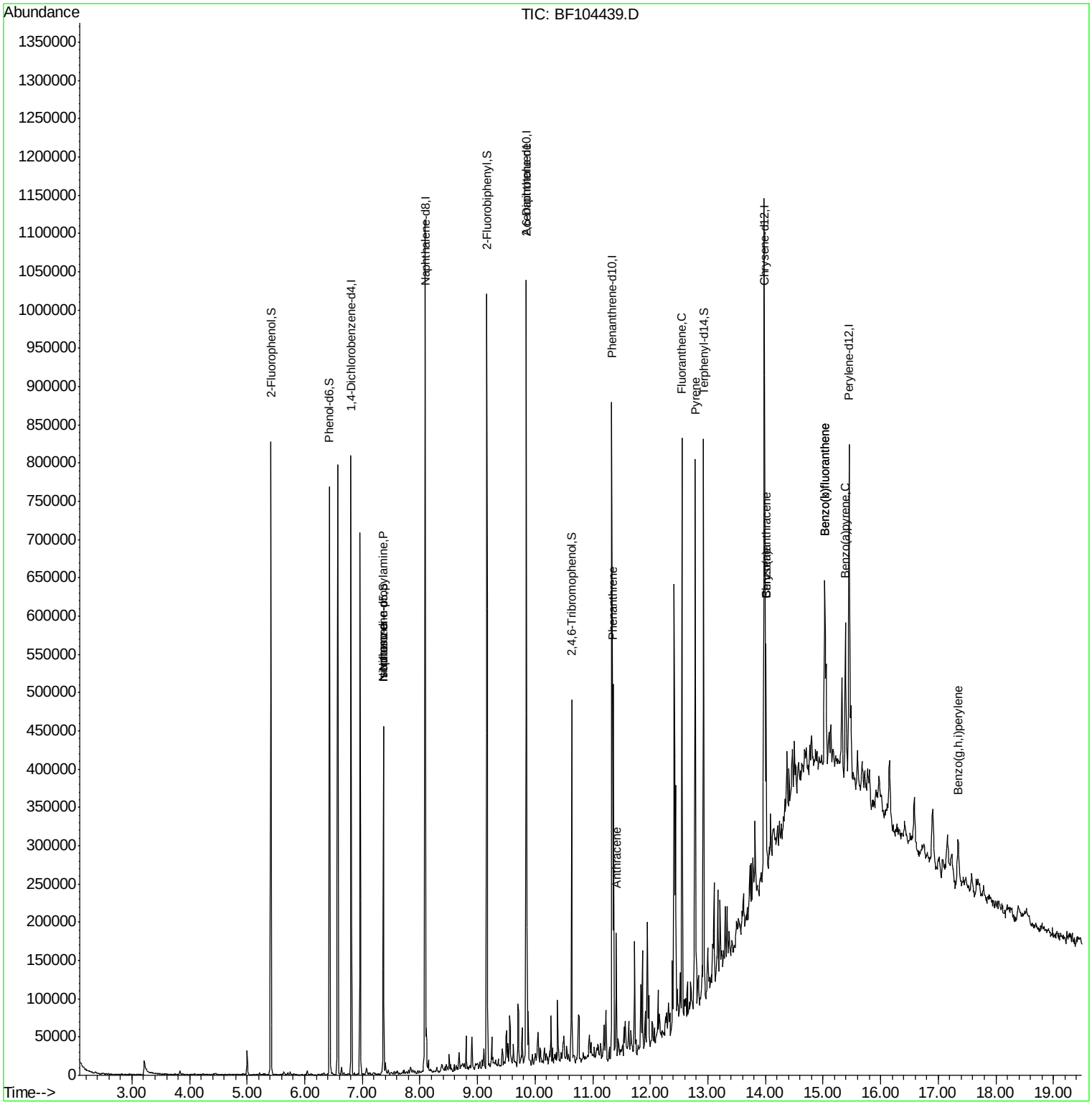
(#) = qualifier out of range (m) = manual integration (+) = signals summed

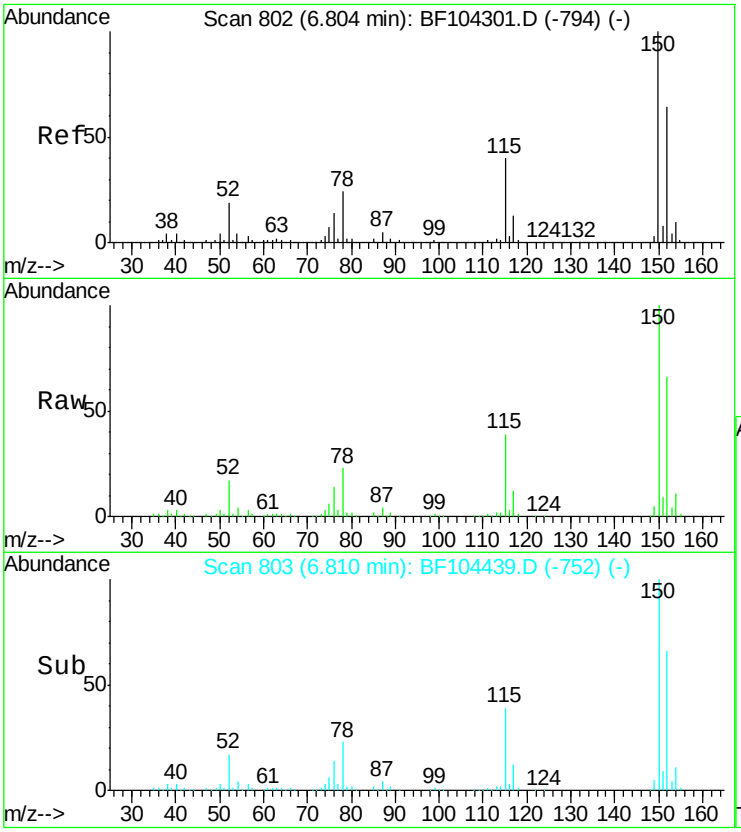
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 11 18:37:47 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 11 13:19:22 2018
Response via : Initial Calibration



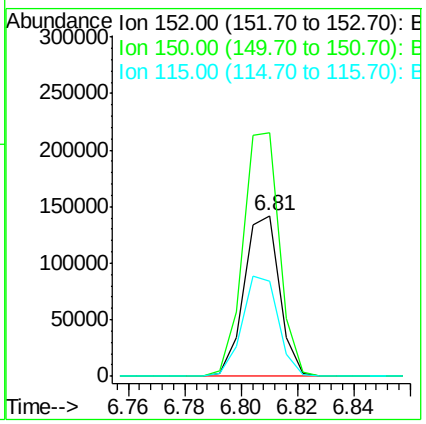


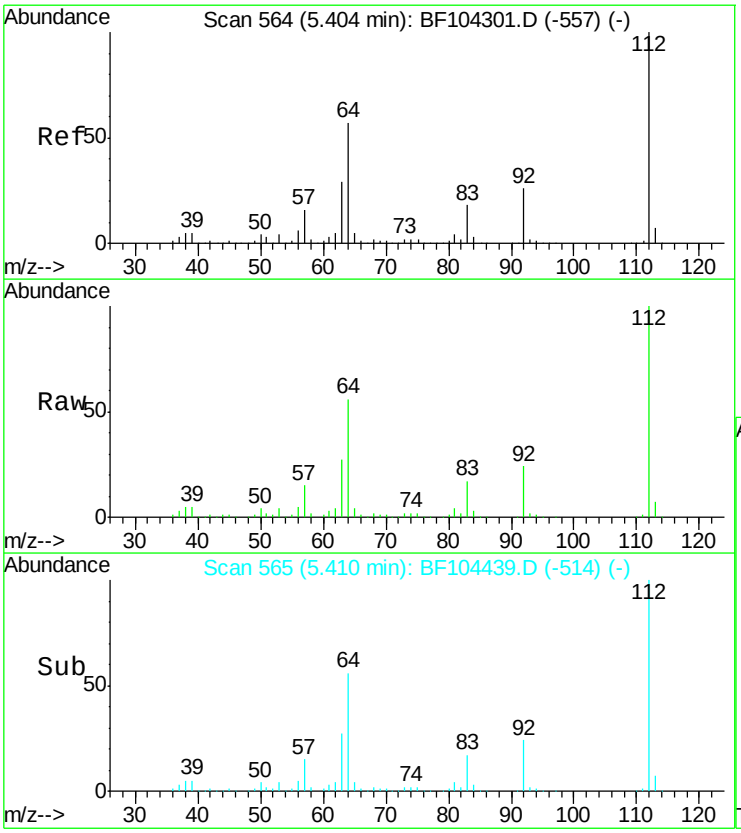

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:152 Resp: 123562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.6 | 124.6 | 186.8 |
| 115 | 59.0 | 50.1 | 75.1 |

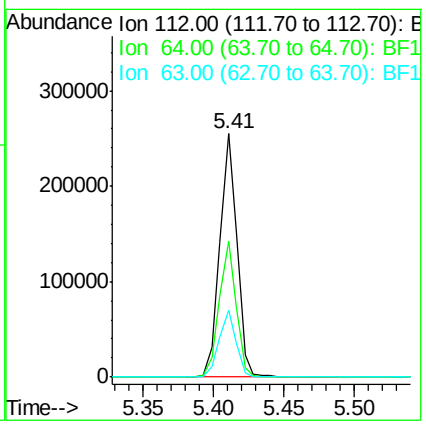


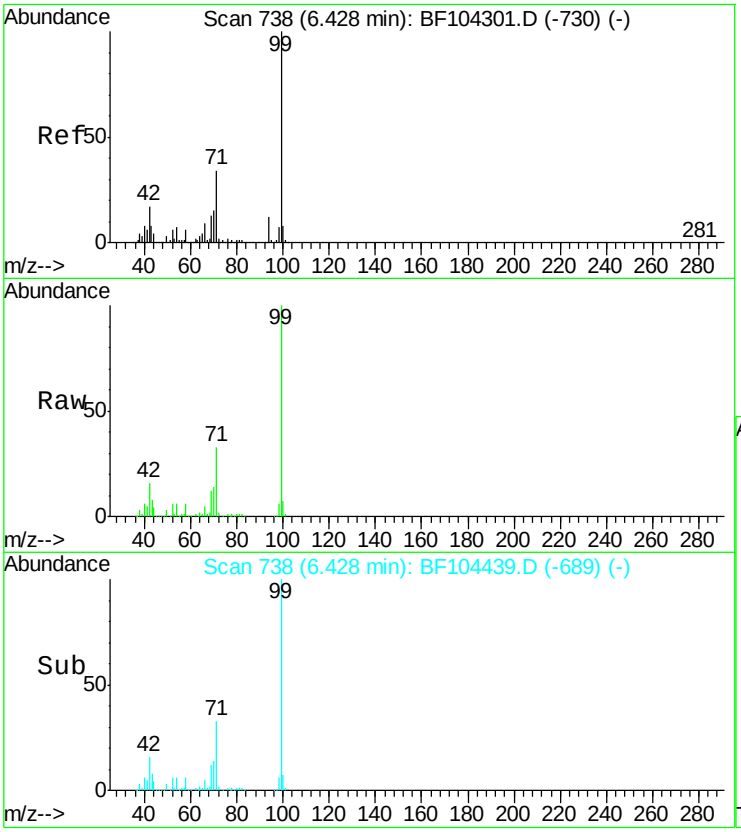




#5
2-Fluorophenol
Concen: 26.849 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:112 Resp: 216964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.8 | 47.9 | 71.9 |
| 63 | 27.4 | 23.7 | 35.5 |



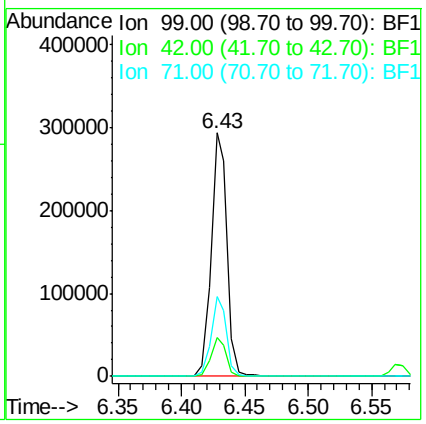


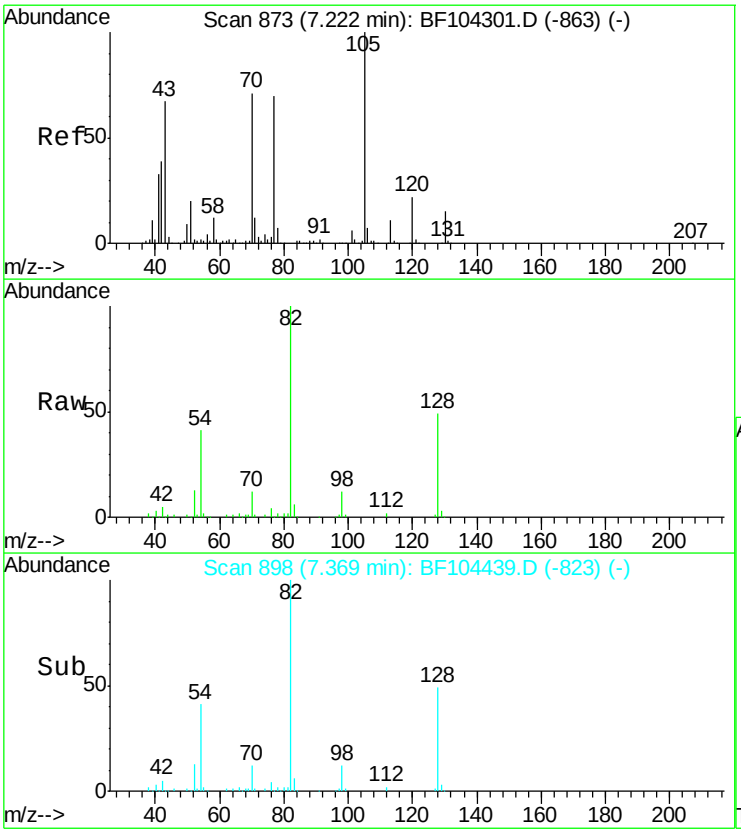

#7
Phenol-d6
Concen: 26.133 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion: 99 Resp: 259474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 14.5 | 21.7 |
| 71 | 32.9 | 25.4 | 38.0 |

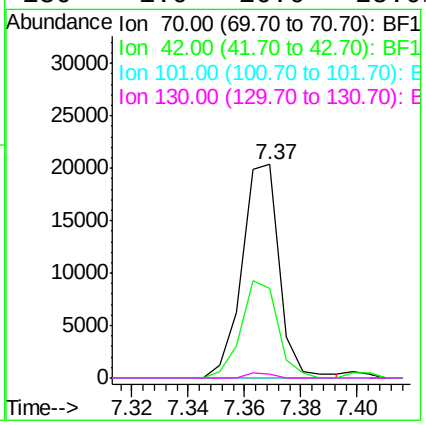


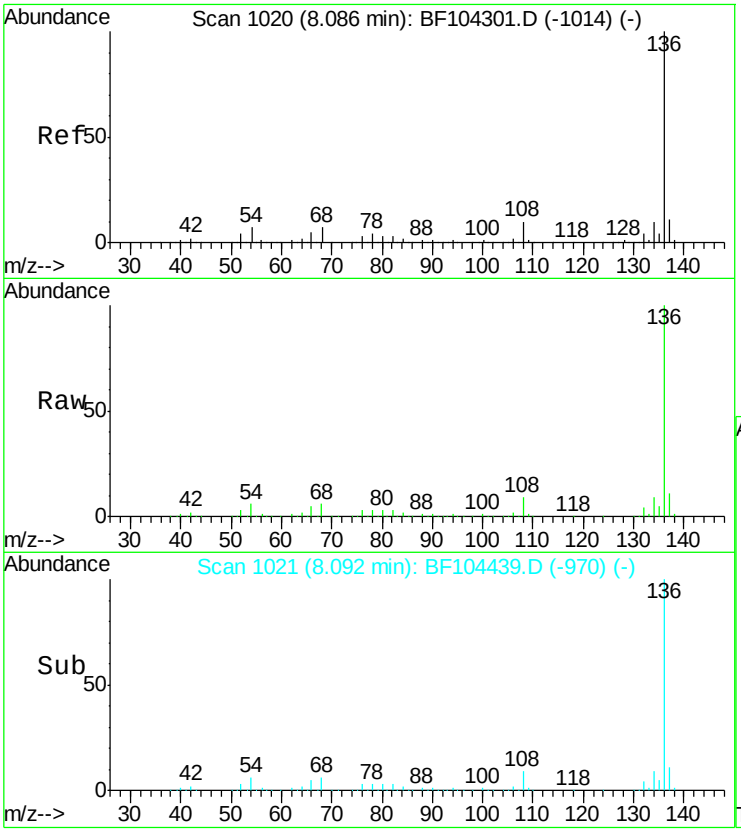




#19
n-Nitroso-di-n-propylamine
Concen: 2.875 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion: 70 Resp: 18655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.9 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 16.6 | 25.0# |



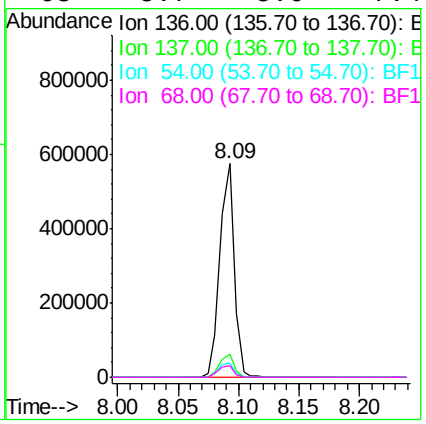


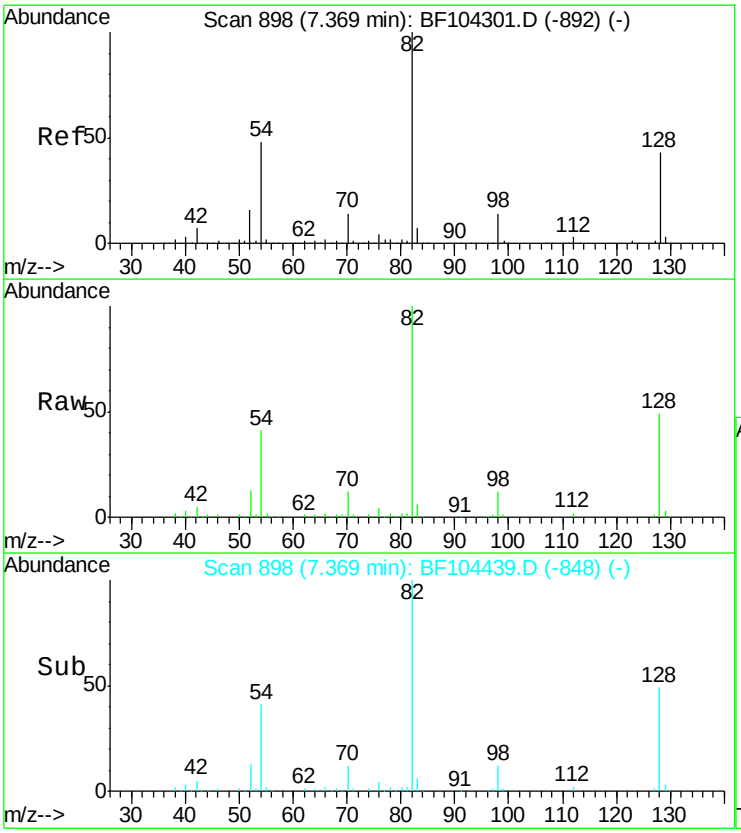

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:136 Resp: 474931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 6.5 | 6.6 | 9.8# |
| 68 | 5.7 | 5.0 | 7.4 |

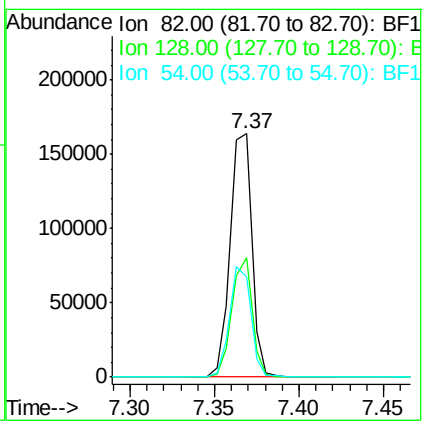


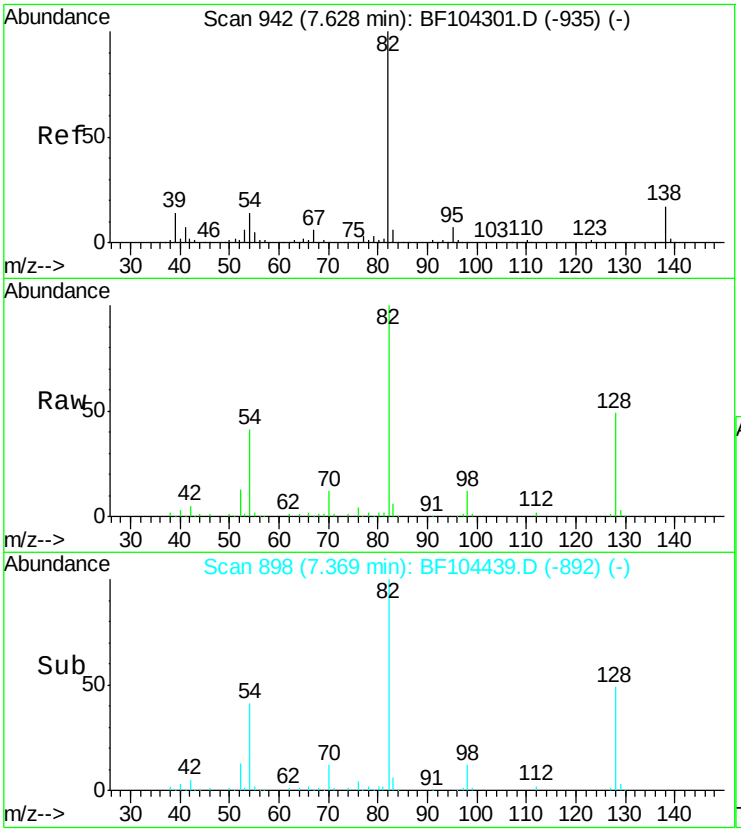




#23
Nitrobenzene-d5
Concen: 20.145 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion: 82 Resp: 146517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.2 | 36.1 | 54.1 |
| 54 | 41.4 | 41.4 | 62.2# |

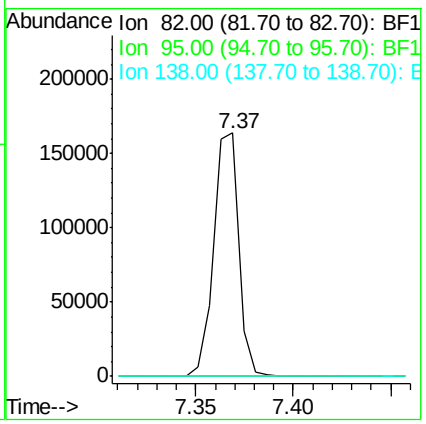




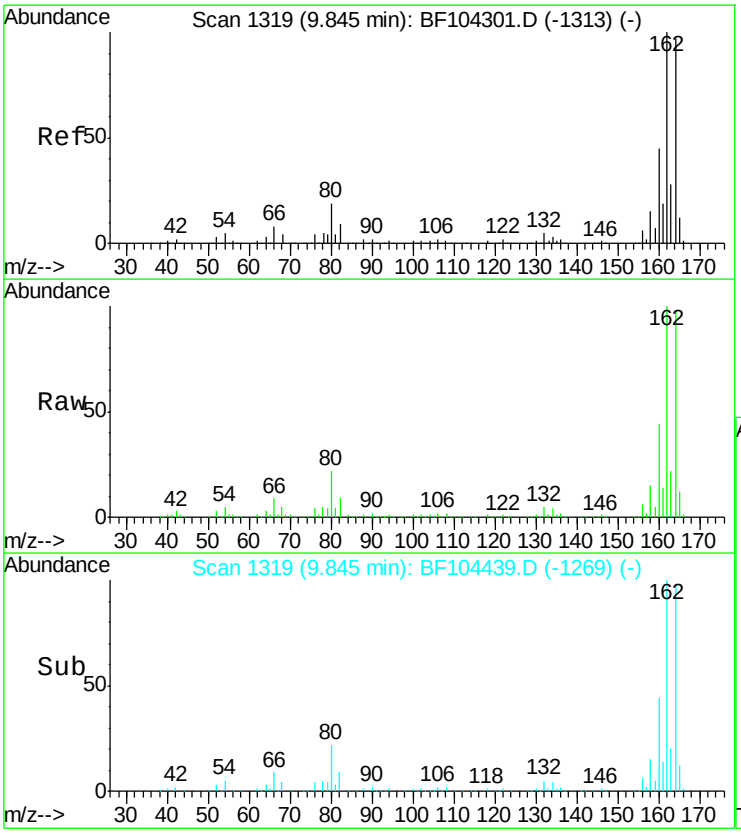

#25
Isophorone
Concen: 9.514 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion: 82 Resp: 146334

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



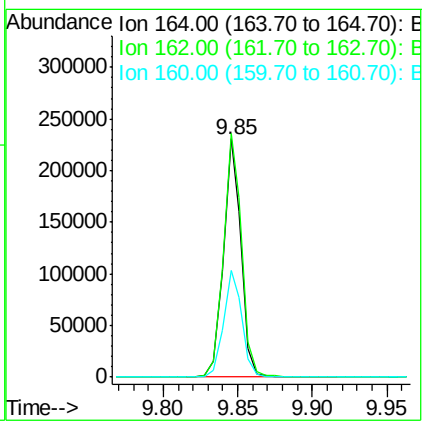

**Instrument :**
BNA_F
**ClientSampleId :**

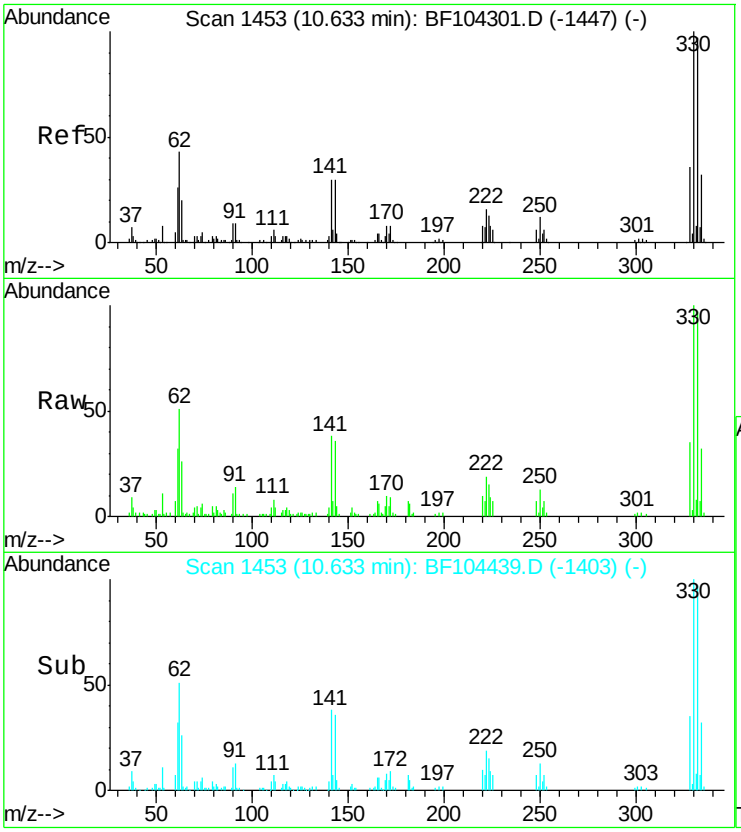



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:164 Resp: 191937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 86.1 | 129.1 |
| 160 | 44.9 | 38.3 | 57.5 |



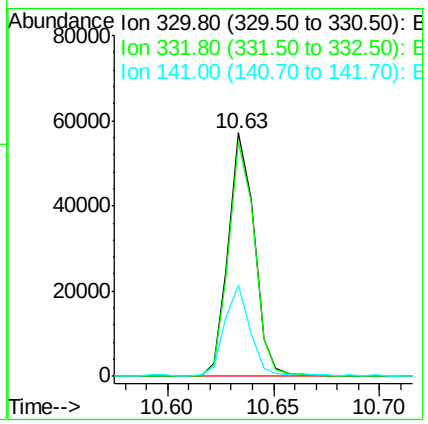


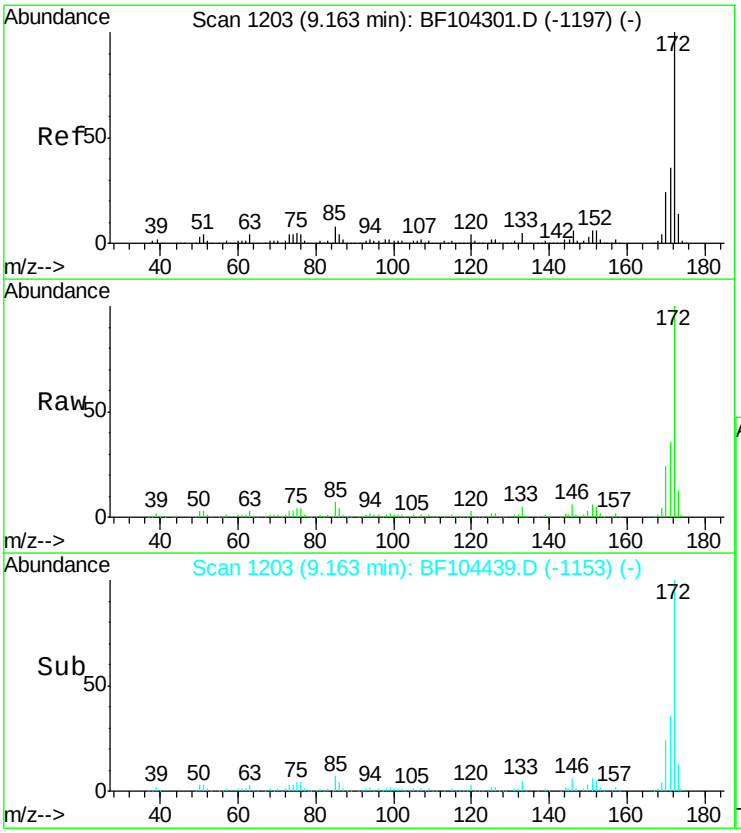

#41
2,4,6-Tribromophenol
Concen: 24.499 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:330 Resp: 48778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.0 | 115.6 |
| 141 | 38.1 | 29.9 | 44.9 |

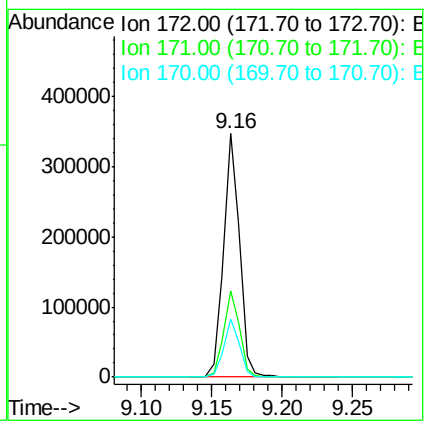


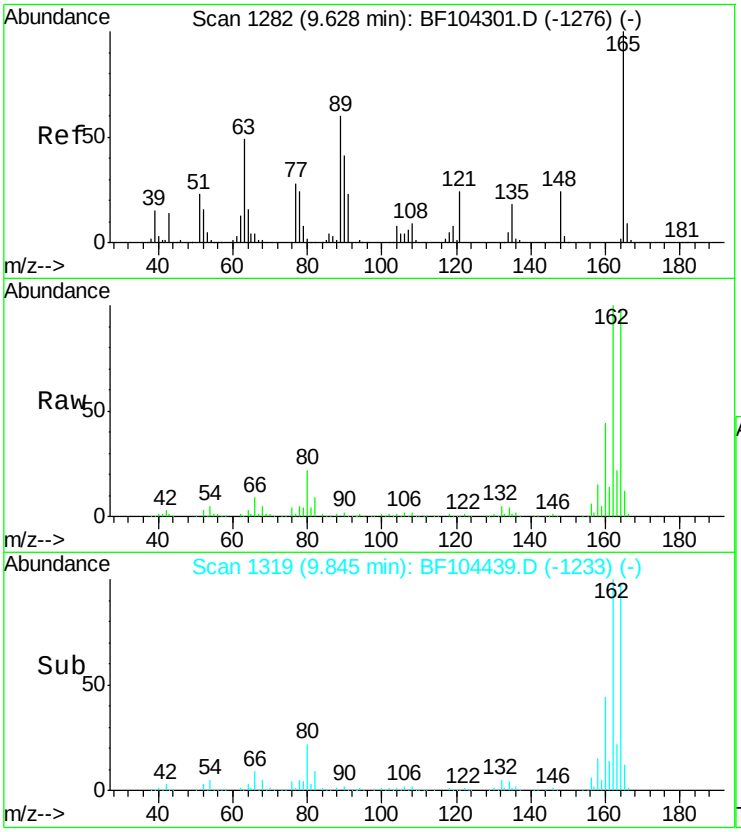




#44
2-Fluorobiphenyl
Concen: 22.574 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:172 Resp: 274273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.7 | 44.5 |
| 170 | 23.7 | 19.6 | 29.4 |



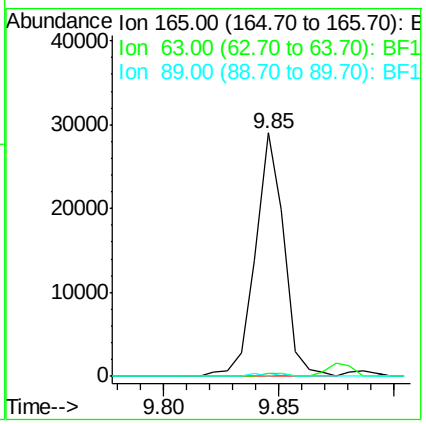


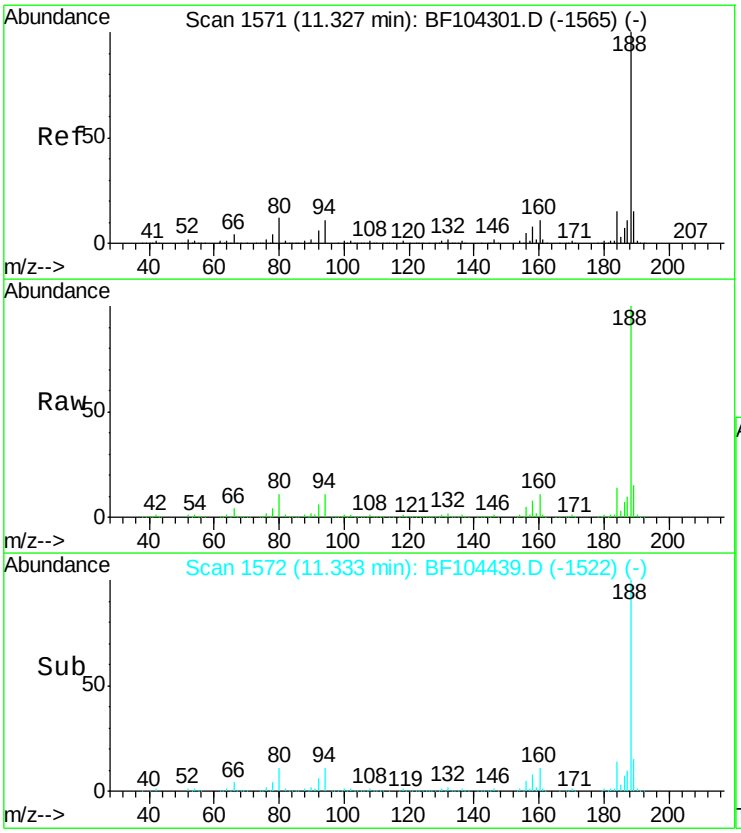

#50
2,6-Dinitrotoluene
Concen: 8.941 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:165 Resp: 25041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |

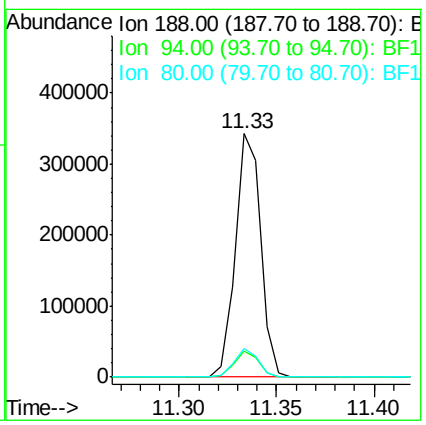


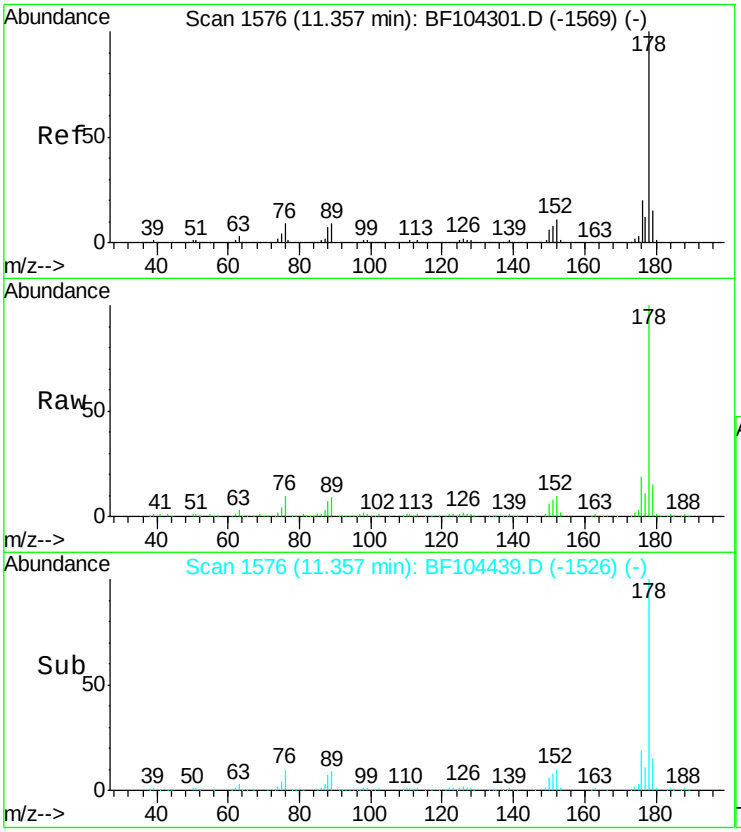




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:188 Resp: 307626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.5 | 12.7 |
| 80 | 11.5 | 9.2 | 13.8 |



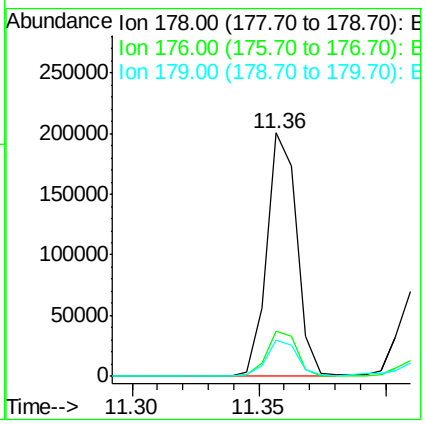


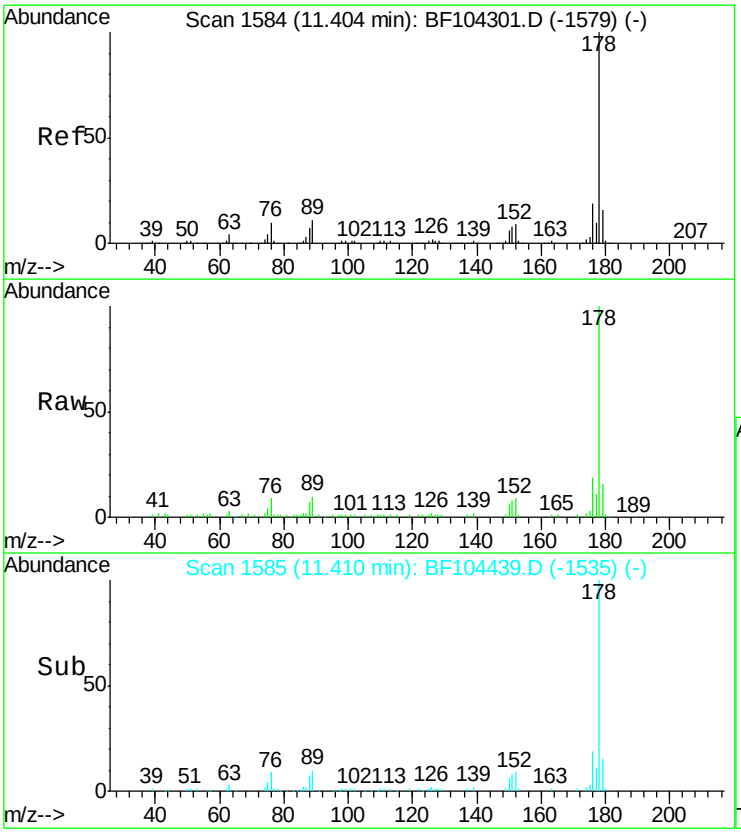

#70
Phenanthrene
Concen: 9.715 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:178 Resp: 166432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.8 | 23.8 |
| 179 | 15.0 | 13.0 | 19.6 |

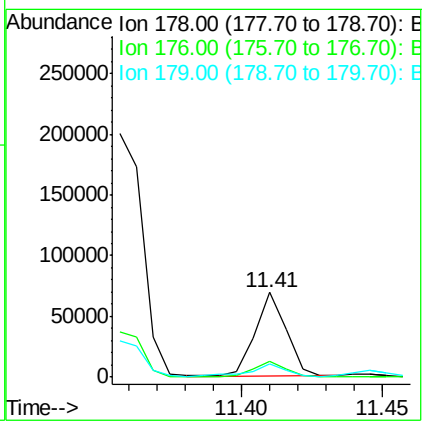


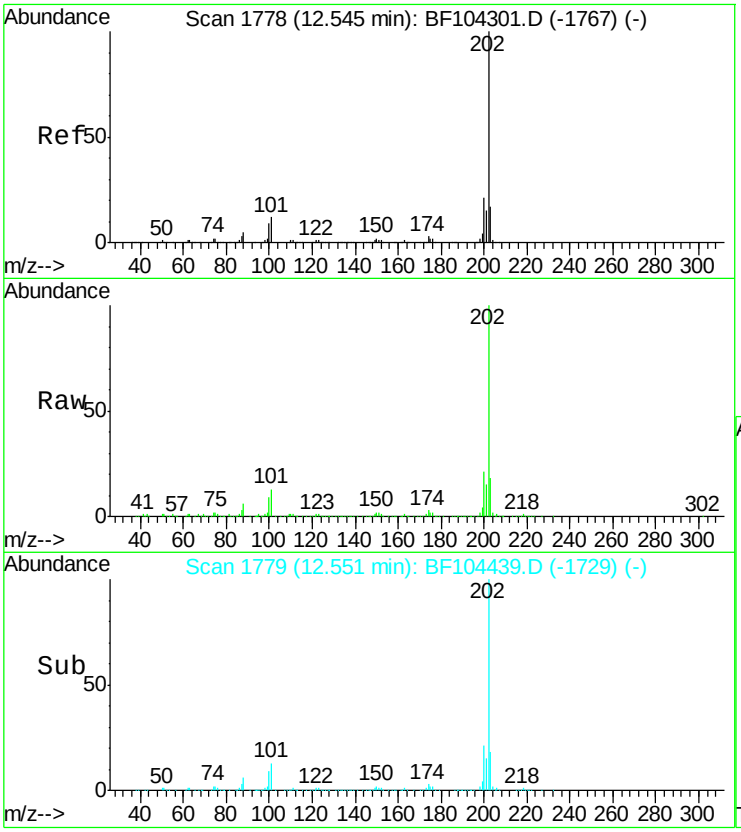




#71
Anthracene
Concen: 3.039 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:178 Resp: 52930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.4 | 23.2 |
| 179 | 15.7 | 12.6 | 19.0 |



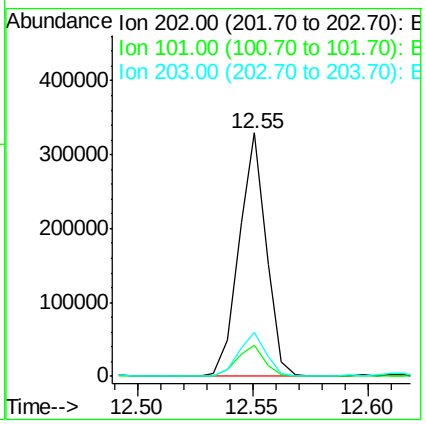


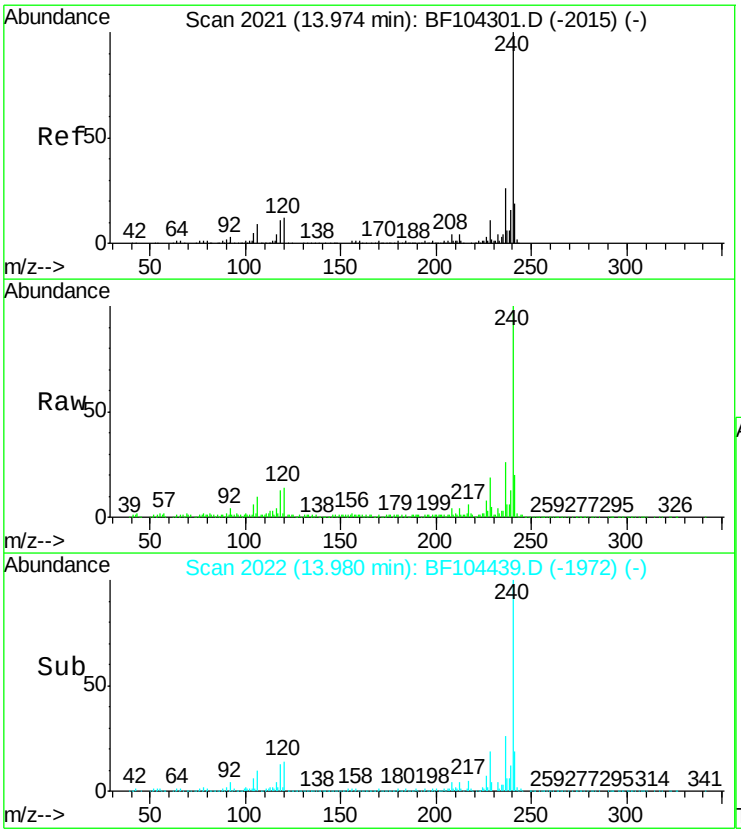

#74
Fluoranthene
Concen: 15.004 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:202 Resp: 268564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 34.1 |
| 203 | 18.0 | 0.0 | 38.1 |

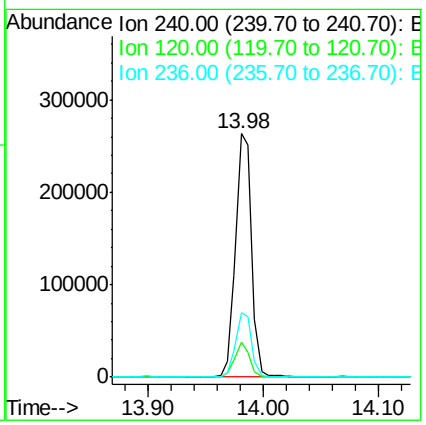


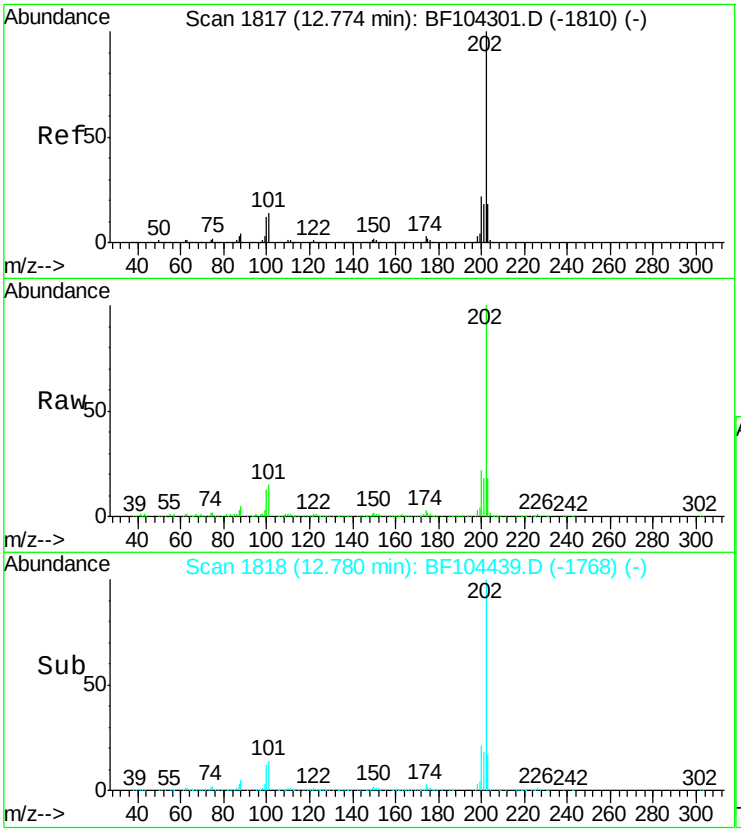




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:240 Resp: 252398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.2 | 9.5 | 14.3 |
| 236 | 26.5 | 20.7 | 31.1 |



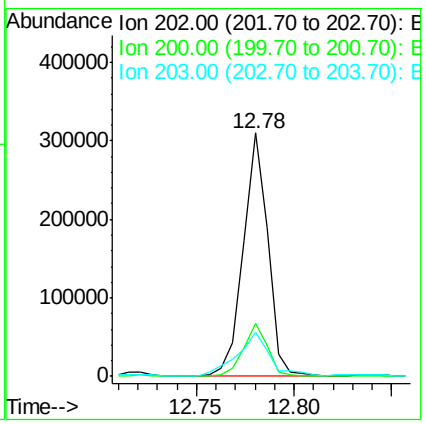


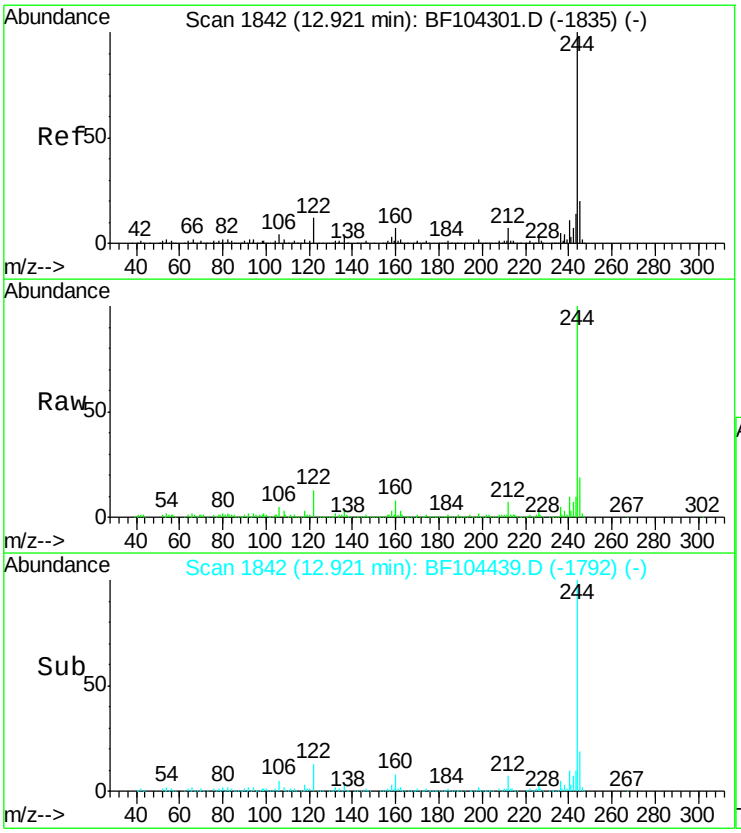

#77
Pyrene
Concen: 14.400 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:202 Resp: 269411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.4 | 26.2 |
| 203 | 17.8 | 14.3 | 21.5 |

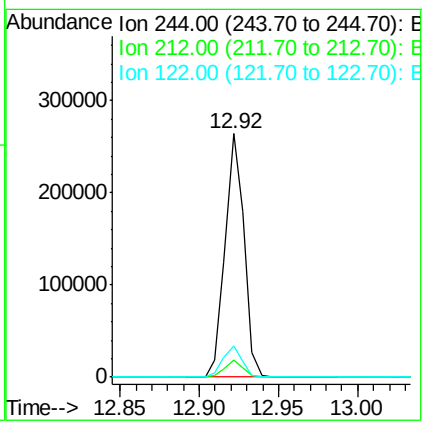


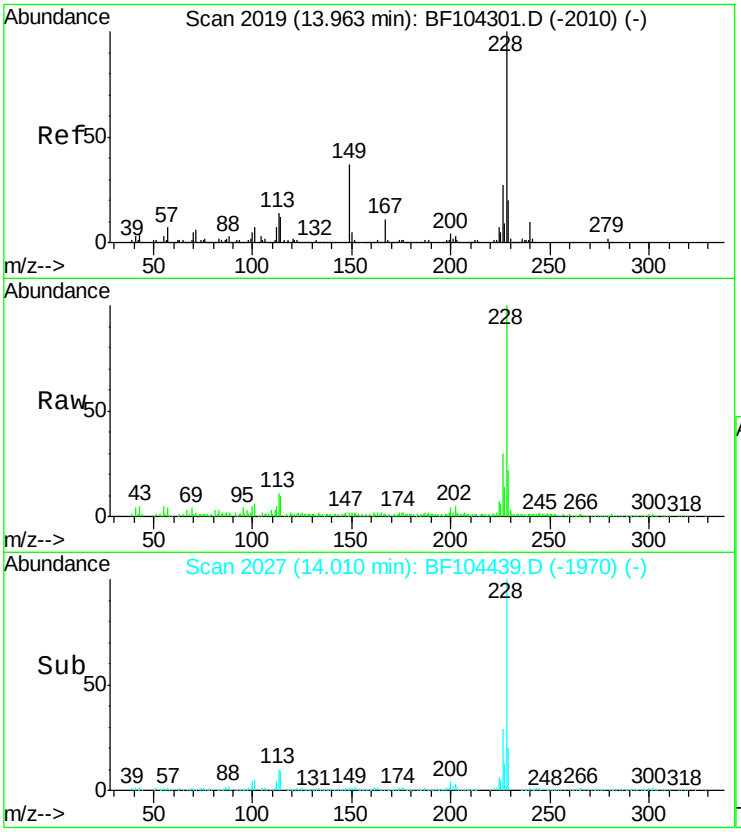




#78
Terphenyl-d14
Concen: 19.749 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:244 Resp: 218645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 12.9 | 11.0 | 16.4 |



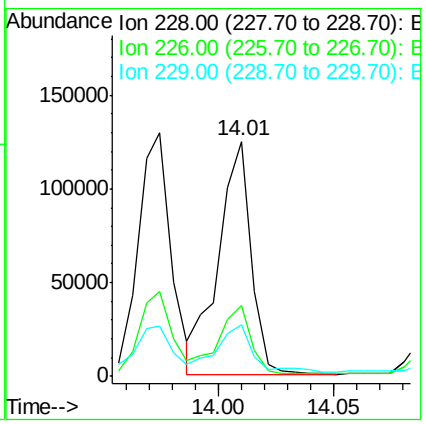


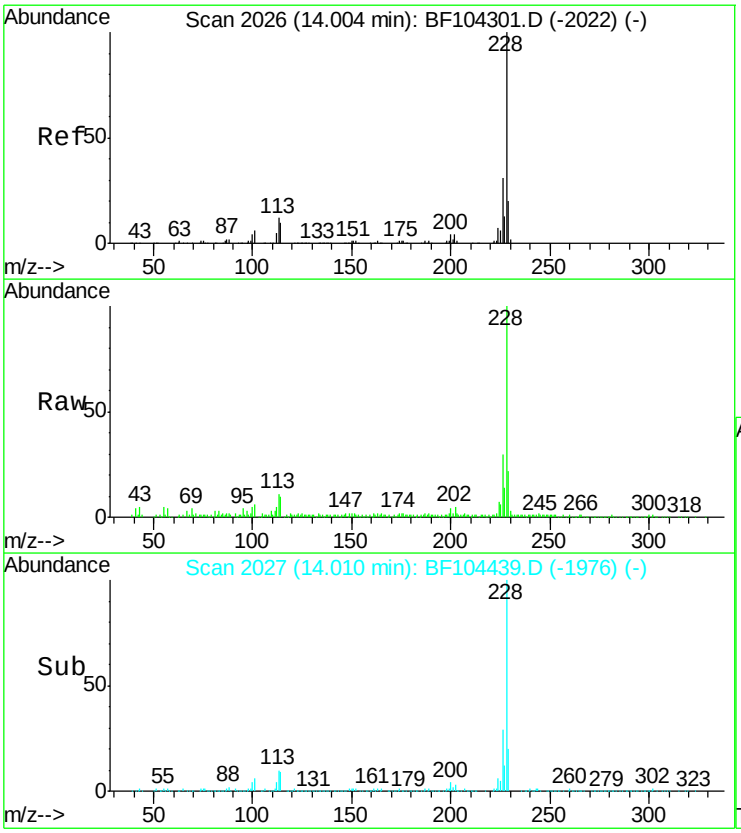

#80
Benzo(a)anthracene
Concen: 8.152 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.04 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:228 Resp: 122924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 22.6 | 33.8 |
| 229 | 21.9 | 15.8 | 23.6 |

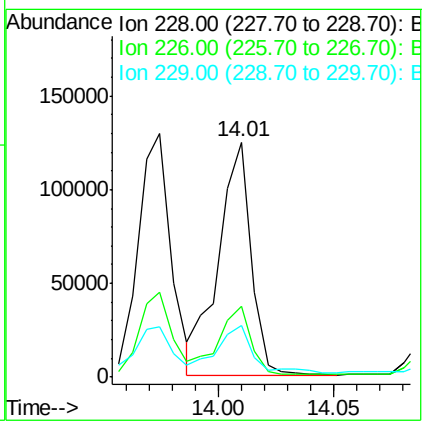


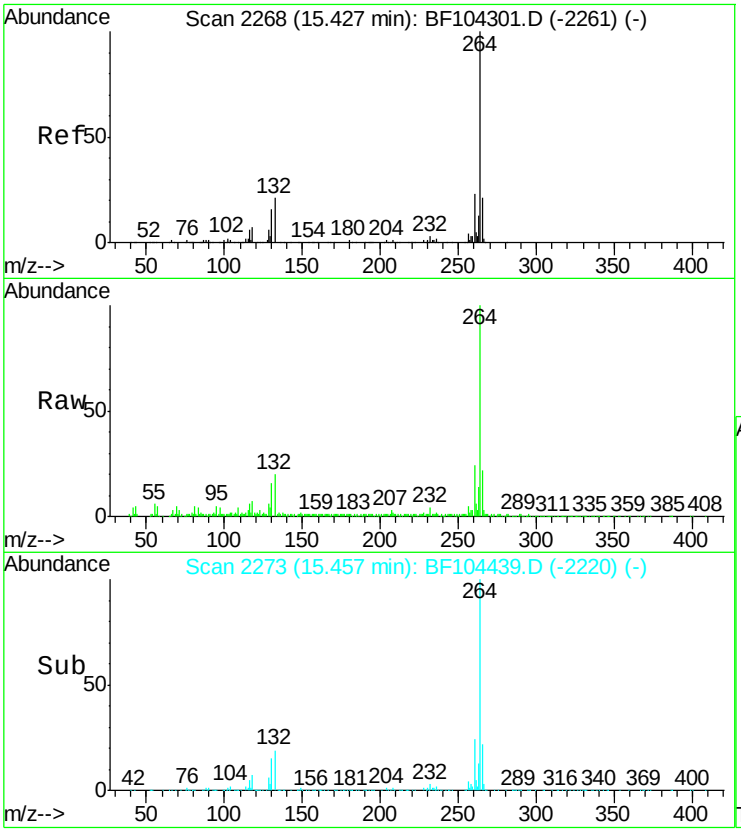




#82
Chrysene
Concen: 7.937 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:228 Resp: 122924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 25.0 | 37.6 |
| 229 | 21.9 | 16.2 | 24.4 |



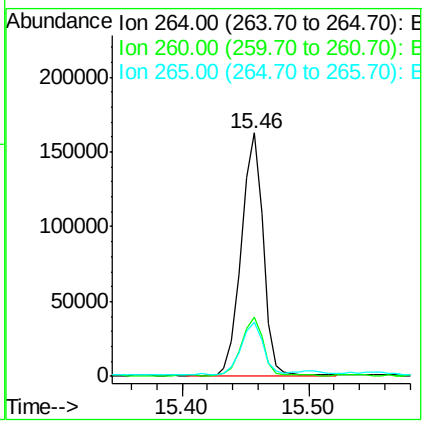


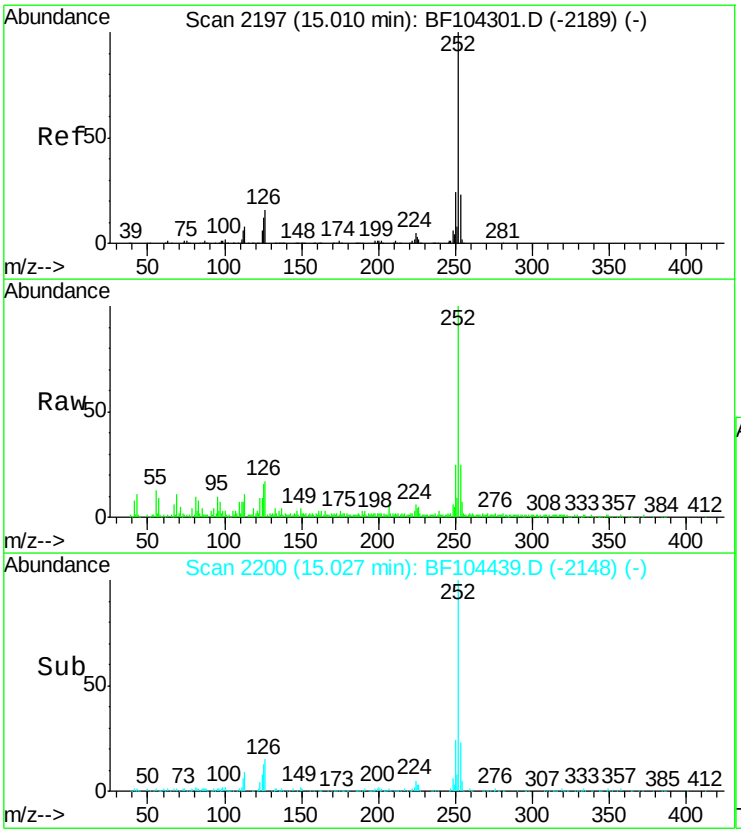

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:264 Resp: 193814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 22.4 | 17.5 | 26.3 |

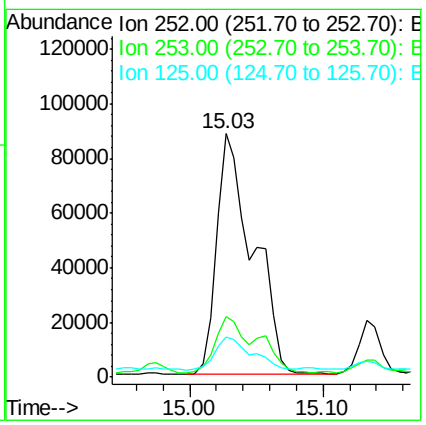


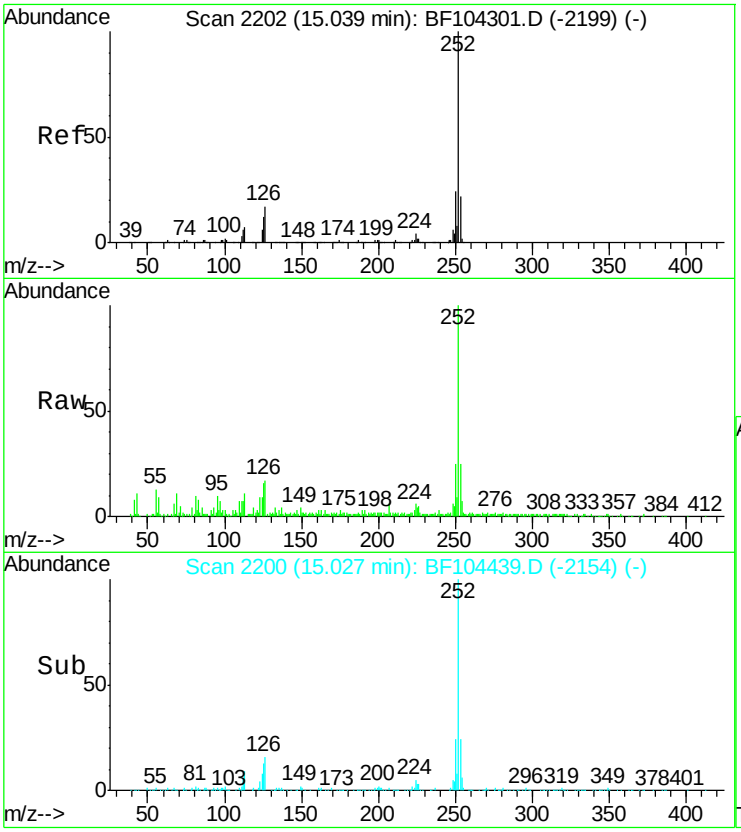




#87
Benzo(b)fluoranthene
Concen: 13.774 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:252 Resp: 168609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 17.0 | 25.6 |
| 125 | 16.3 | 9.0 | 13.6# |



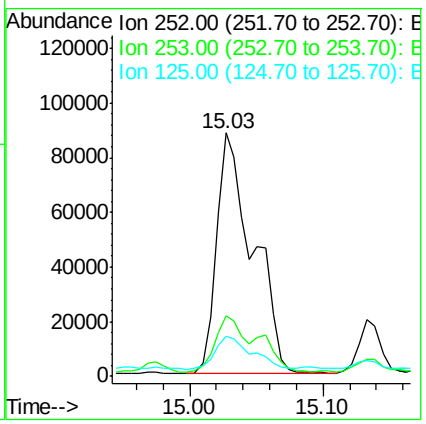


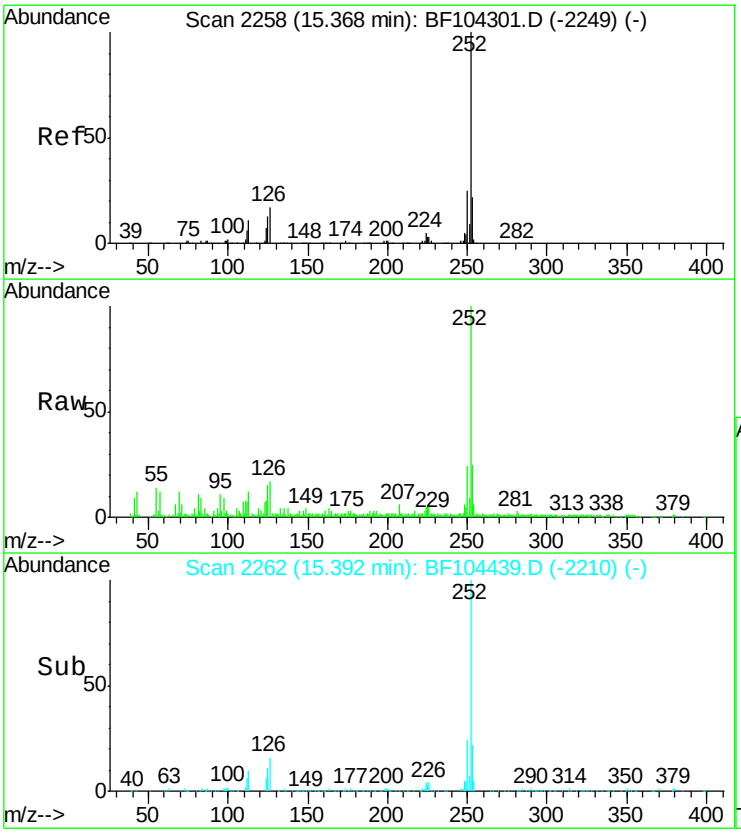

#88
Benzo(k)fluoranthene
Concen: 14.590 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:252 Resp: 168609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 17.9 | 26.9 |
| 125 | 16.3 | 10.2 | 15.2# |

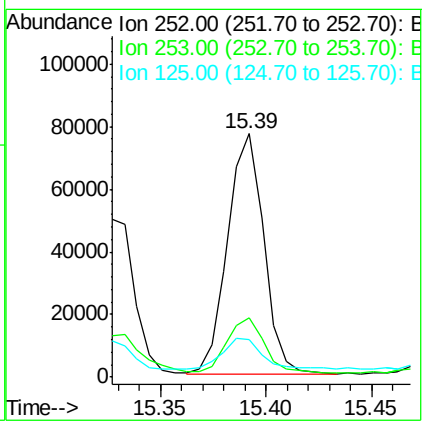


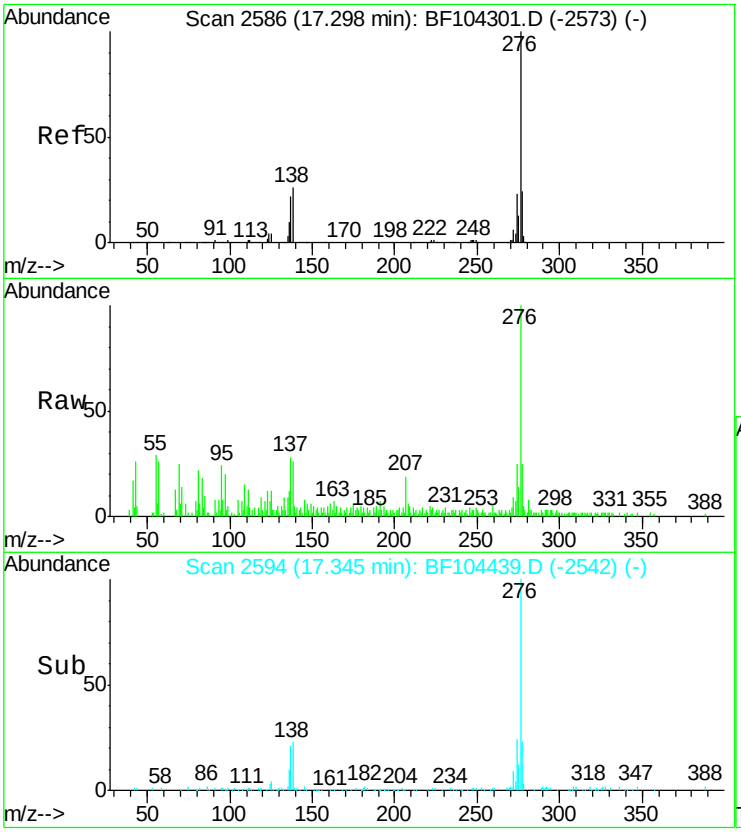




#89
Benzo(a)pyrene
Concen: 8.313 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:252 Resp: 91053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 17.1 | 25.7 |
| 125 | 15.3 | 9.8 | 14.6# |






#91
Benzo(g,h,i)perylene
Concen: 5.605 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

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

Tgt Ion:276 Resp: 48847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 17.9 | 26.9 |
| 138 | 25.8 | 21.8 | 32.8 |