Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101290.D
Acq On : 11 Dec 2017 15:35
Operator : SJ/JU
Sample : I6747-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 11 16:38:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 50412 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.11 | 136 | 198173 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 89487 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 159323 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.01 | 240 | 100535 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.49 | 264 | 101541 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 33627 | 11.02 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 44797 | 12.09 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 25980 | 7.82 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 8537 | 7.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.19 | 172 | 61670 | 9.43 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.94 | 244 | 47538 | 10.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 25) Isophorone | 7.39 | 82 | 25980 | 4.578 | ng | # | 64 |
| 50) 2,6-Dinitrotoluene | 9.87 | 165 | 11225 | 7.385 | ng | # | 24 |
| 56) 2,4-Dinitrotoluene | 9.87 | 165 | 11225 | 5.510 | ng | # | 21 |
| 70) Phenanthrene | 11.39 | 178 | 23433 | 2.671 | ng | | 99 |
| 74) Fluoranthene | 12.58 | 202 | 38736 | 3.983 | ng | | 94 |
| 77) Pyrene | 12.81 | 202 | 37326 | 5.381 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 18091 | 2.850 | ng | | 95 |
| 82) Chrysene | 14.03 | 228 | 16193 | 2.747 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 26106 | 4.292 | ng | # | 84 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 26106 | 4.357 | ng | # | 88 |
| 89) Benzo(a)pyrene | 15.43 | 252 | 15286 | 2.765 | ng | # | 85 |
| 91) Benzo(g,h,i)perylene | 17.43 | 276 | 9249 | 2.013 | ng | # | 89 |

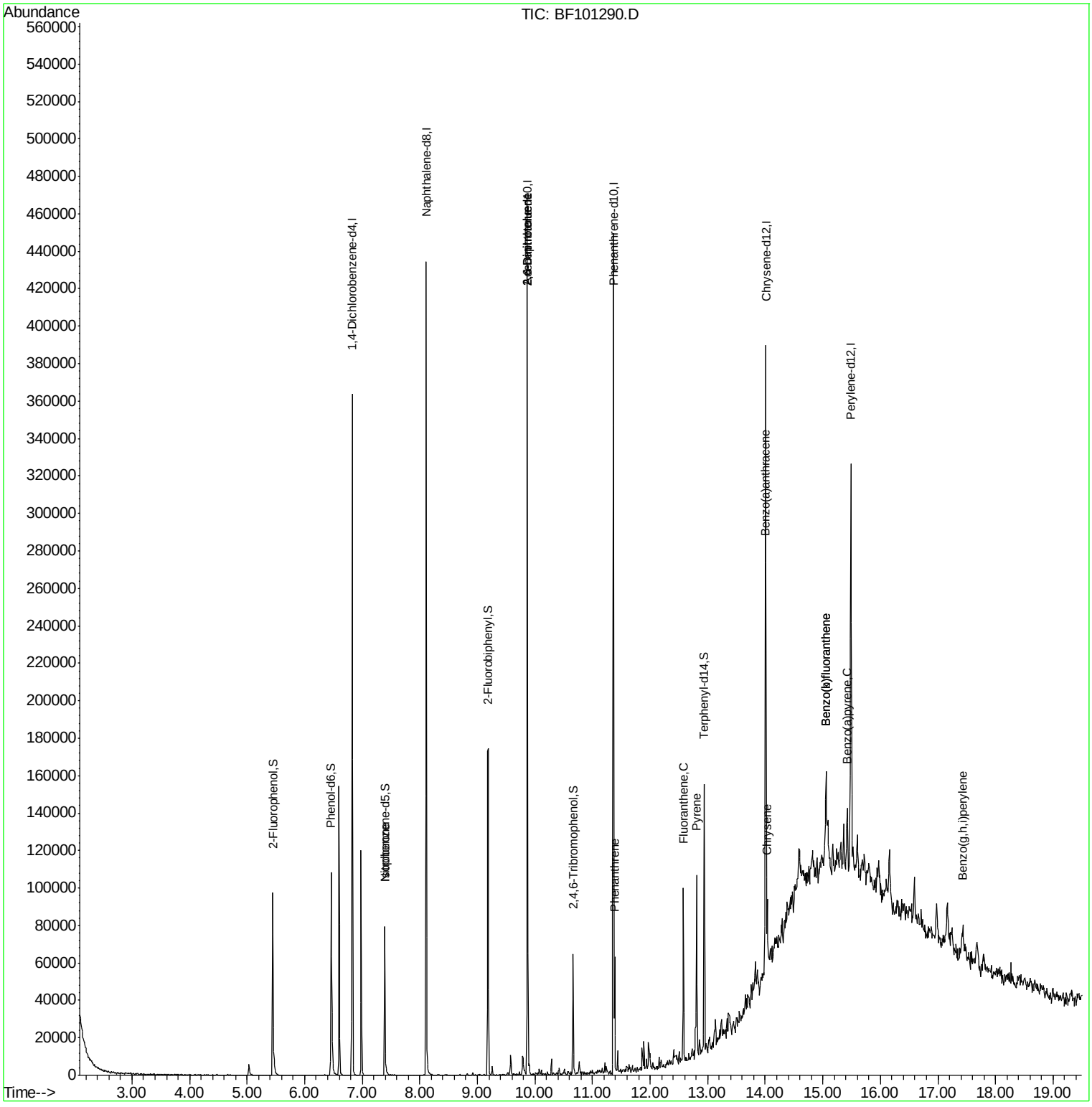
(#) = qualifier out of range (m) = manual integration (+) = signals summed

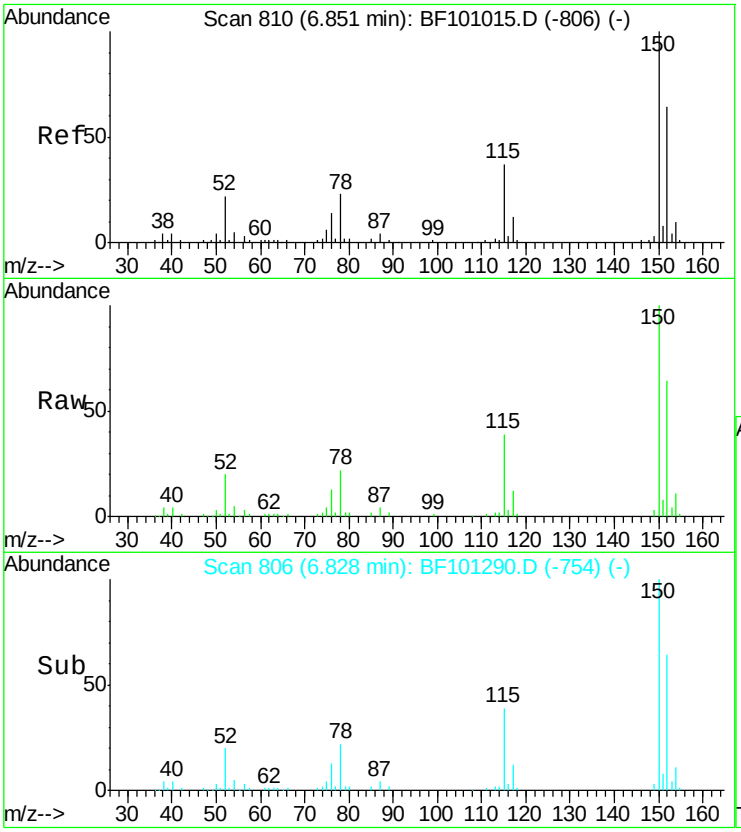
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101290.D
Acq On : 11 Dec 2017 15:35
Operator : SJ/JU
Sample : I6747-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 11 16:38:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration



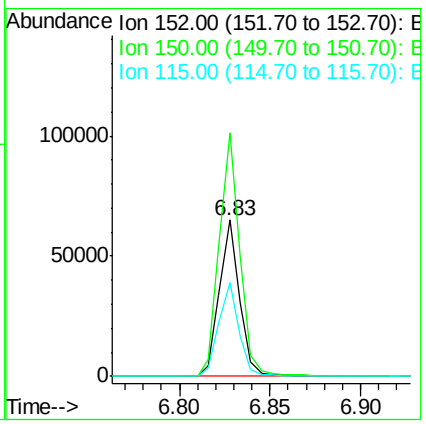


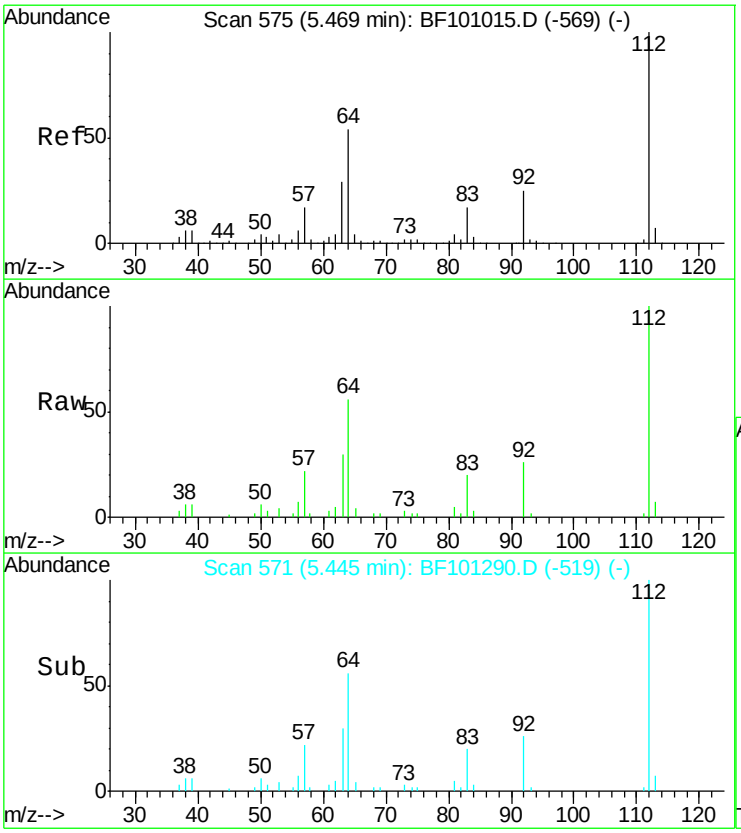

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:152 Resp: 50412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 124.6 | 186.8 |
| 115 | 60.2 | 50.1 | 75.1 |

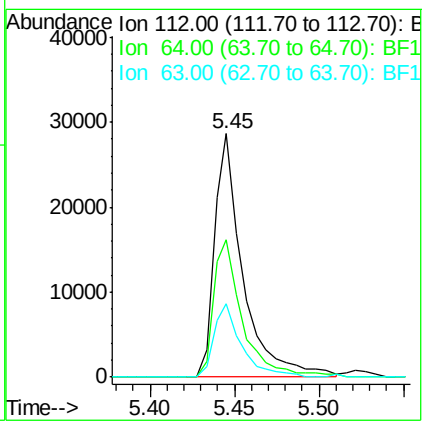


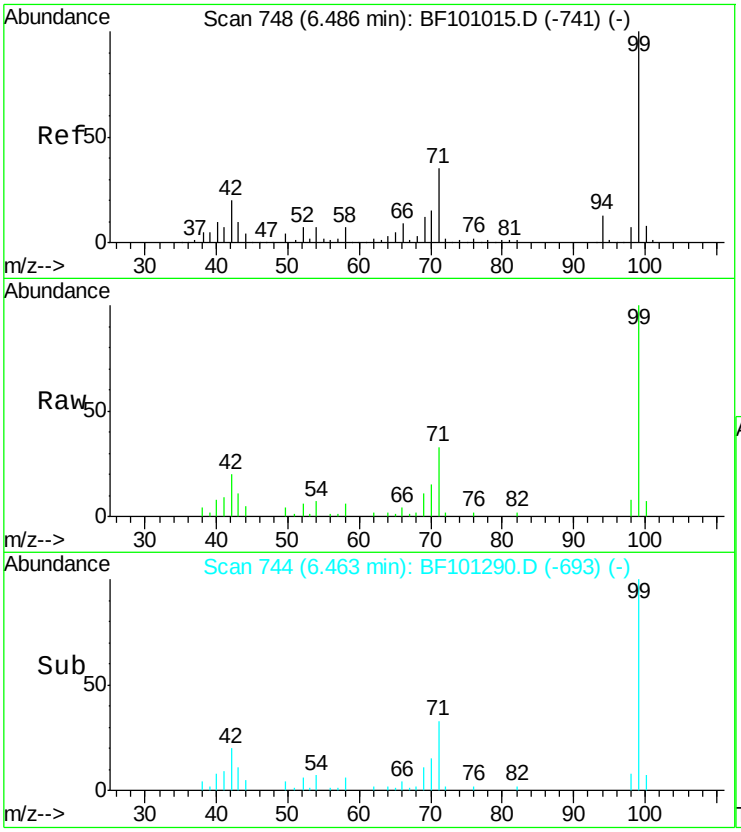




#5
2-Fluorophenol
Concen: 11.023 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:112 Resp: 33627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 47.9 | 71.9 |
| 63 | 30.4 | 23.7 | 35.5 |



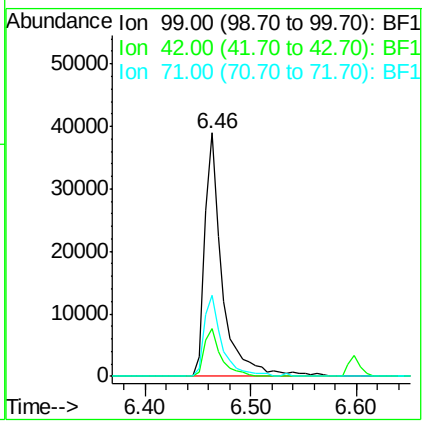


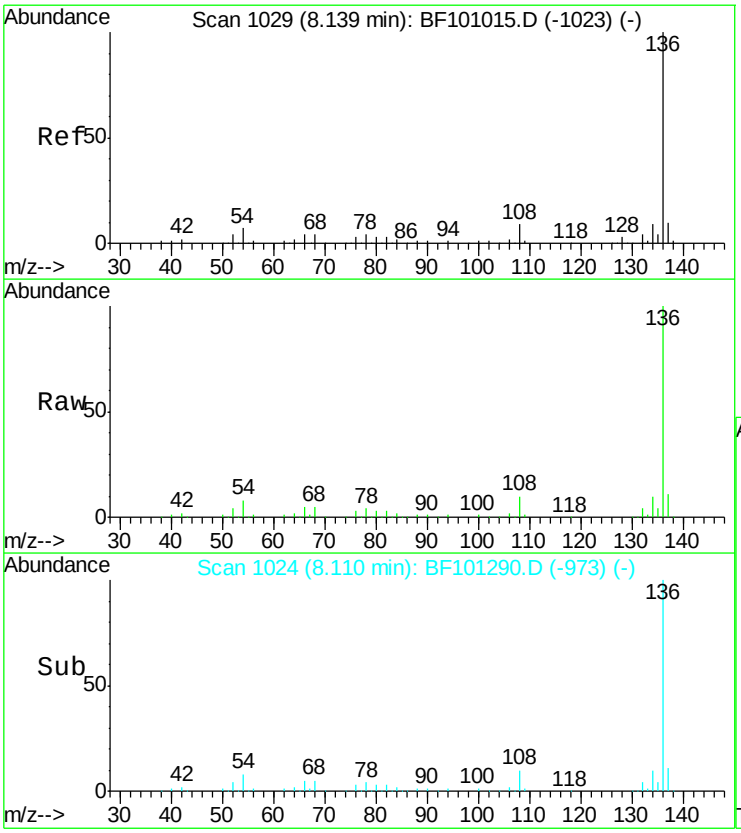

#7
Phenol-d6
Concen: 12.095 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion: 99 Resp: 44797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 14.5 | 21.7 |
| 71 | 33.1 | 25.4 | 38.0 |

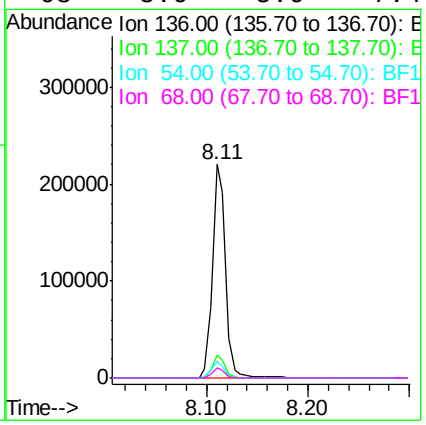


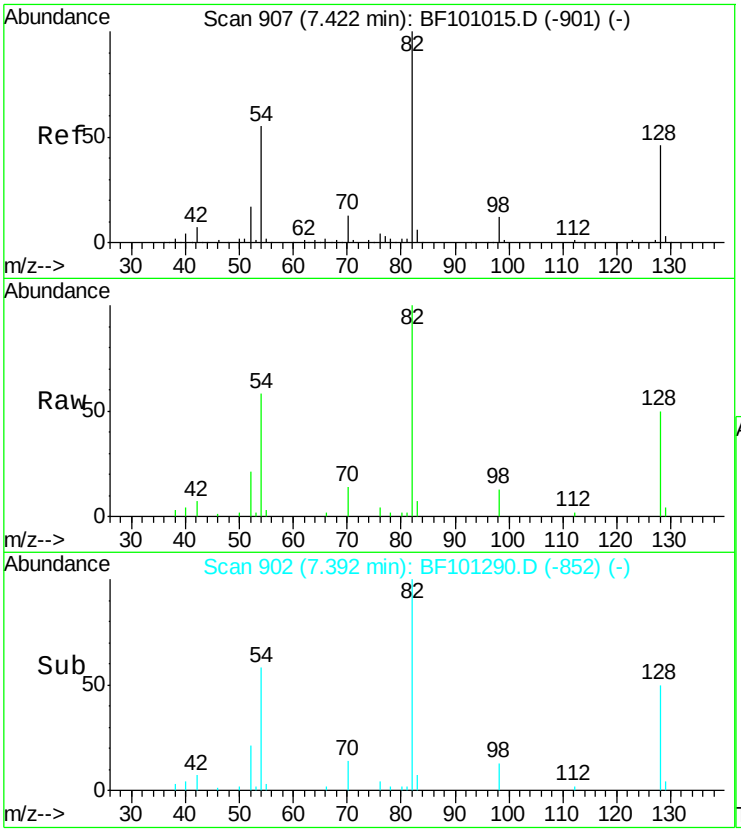




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:136 Resp: 198173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 7.8 | 6.6 | 9.8 |
| 68 | 5.0 | 5.0 | 7.4 |



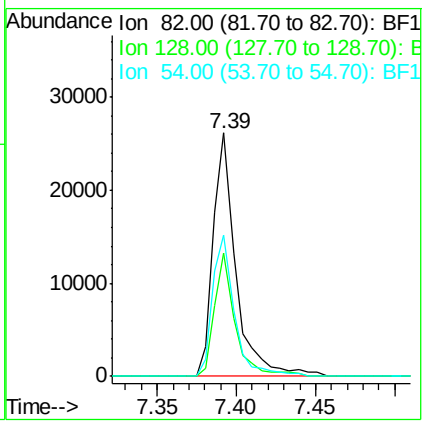


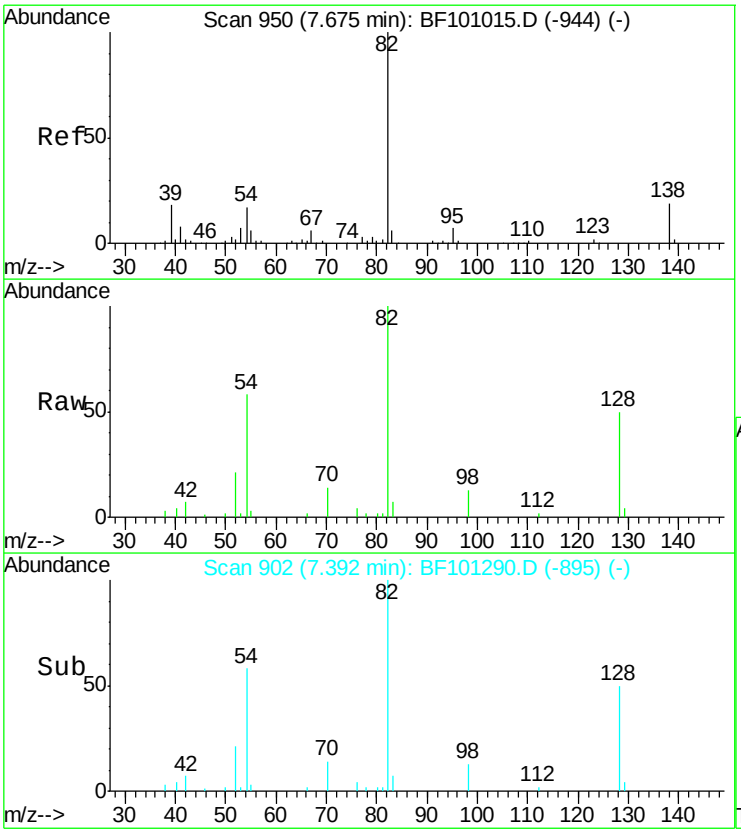

#23
Nitrobenzene-d5
Concen: 7.820 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion: 82 Resp: 25980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.4 | 36.1 | 54.1 |
| 54 | 58.2 | 41.4 | 62.2 |

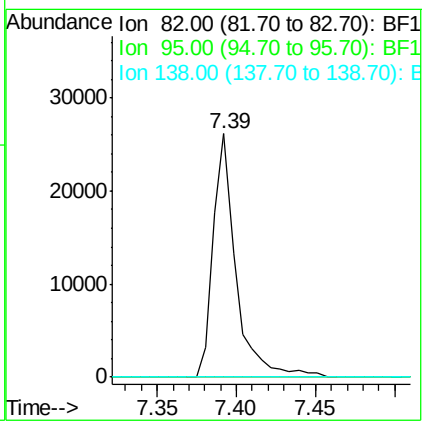


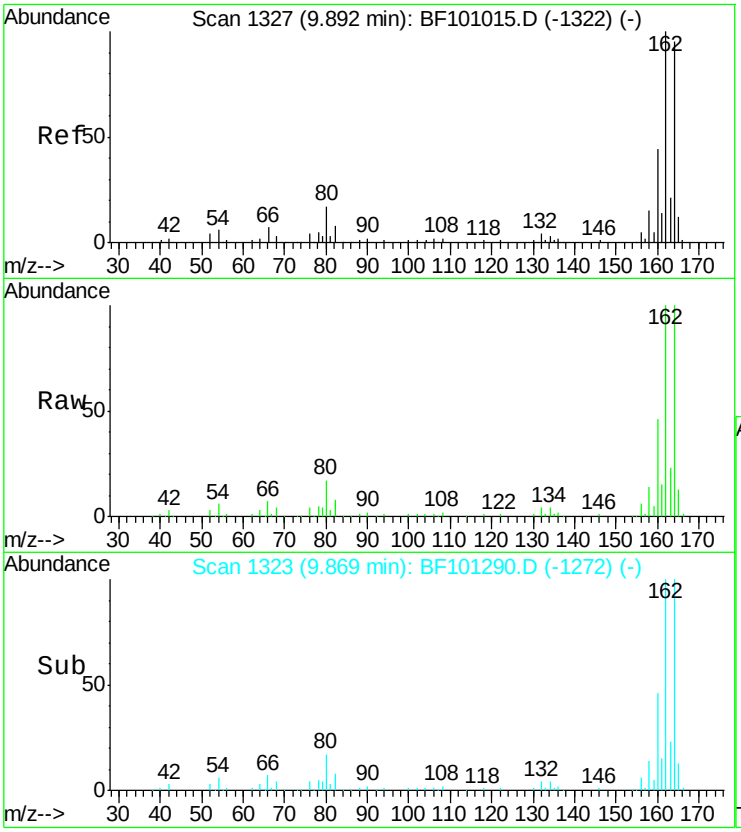




#25
Isophorone
Concen: 4.578 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion: 82 Resp: 25980

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



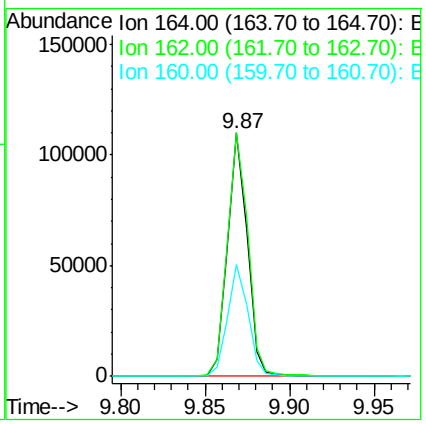


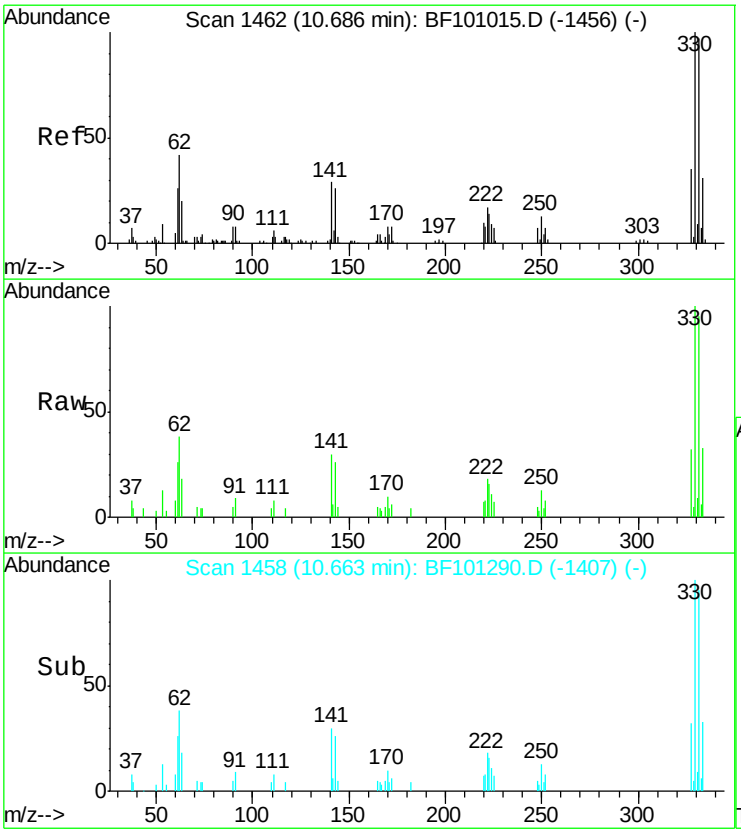

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:164 Resp: 89487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 86.1 | 129.1 |
| 160 | 45.8 | 38.3 | 57.5 |

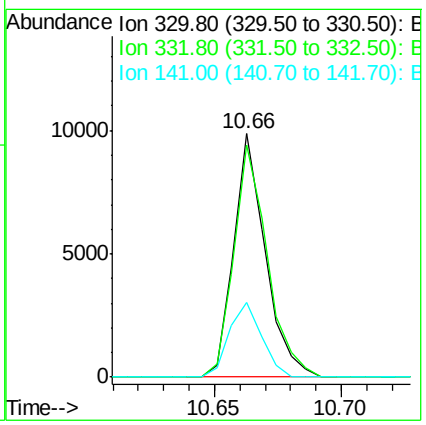


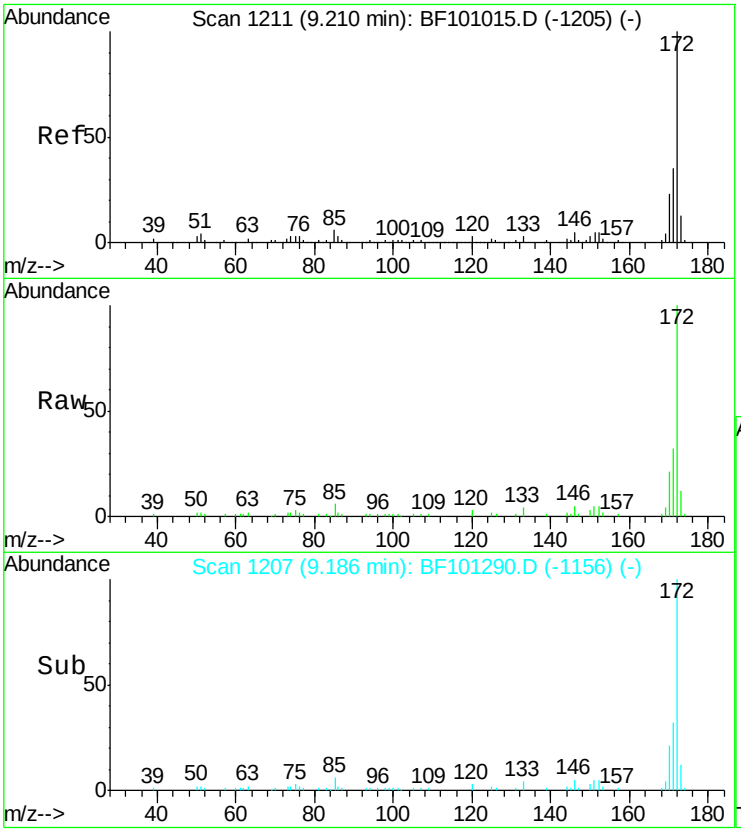




#41
2,4,6-Tribromophenol
Concen: 7.941 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:330 Resp: 8537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 101.0 | 77.0 | 115.6 |
| 141 | 31.5 | 29.9 | 44.9 |



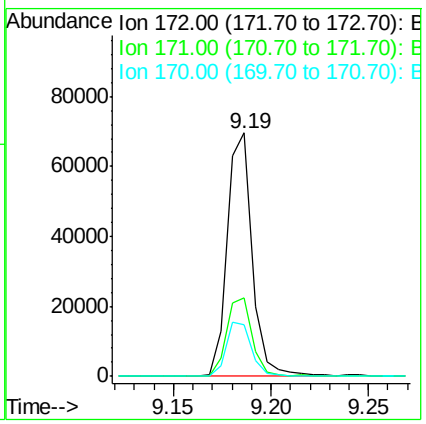


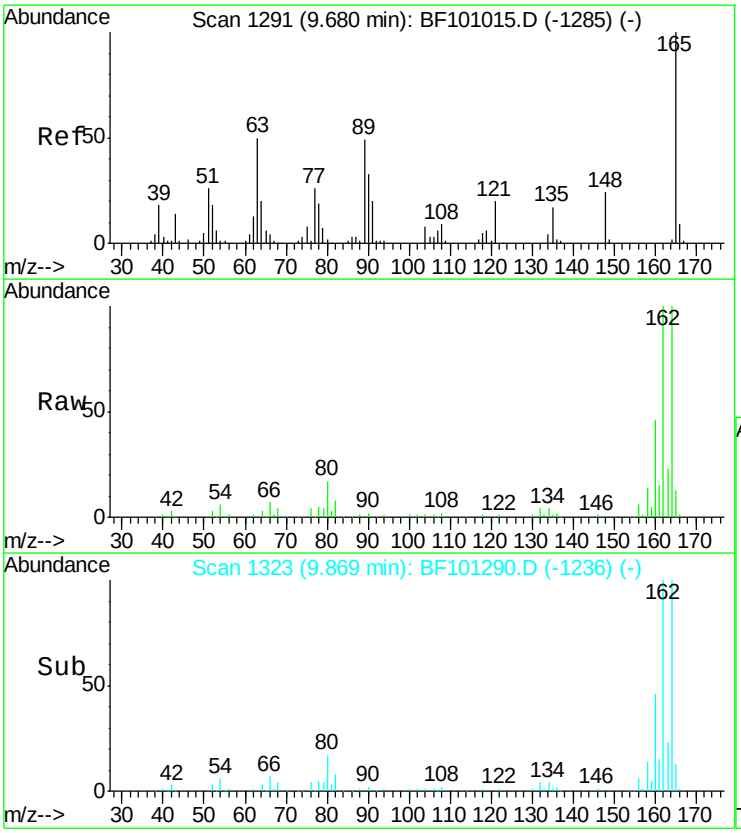

#44
2-Fluorobiphenyl
Concen: 9.429 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:172 Resp: 61670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.0 | 29.7 | 44.5 |
| 170 | 21.3 | 19.6 | 29.4 |

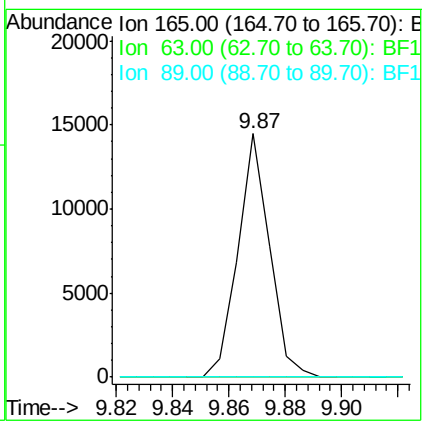


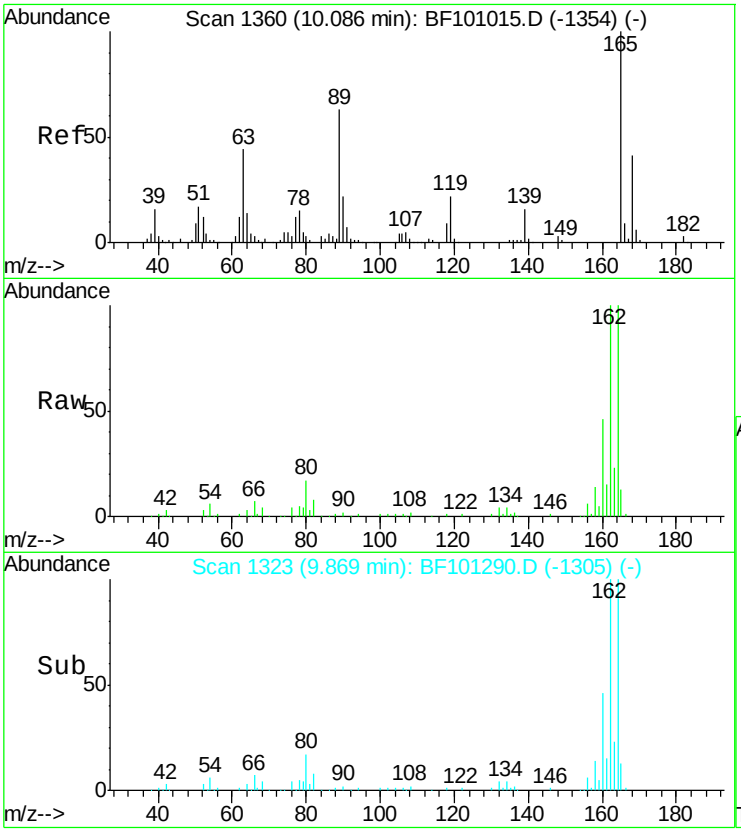




#50
2,6-Dinitrotoluene
Concen: 7.385 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.21 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:165 Resp: 11225

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



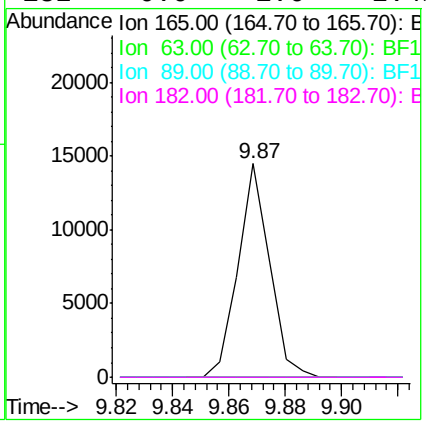


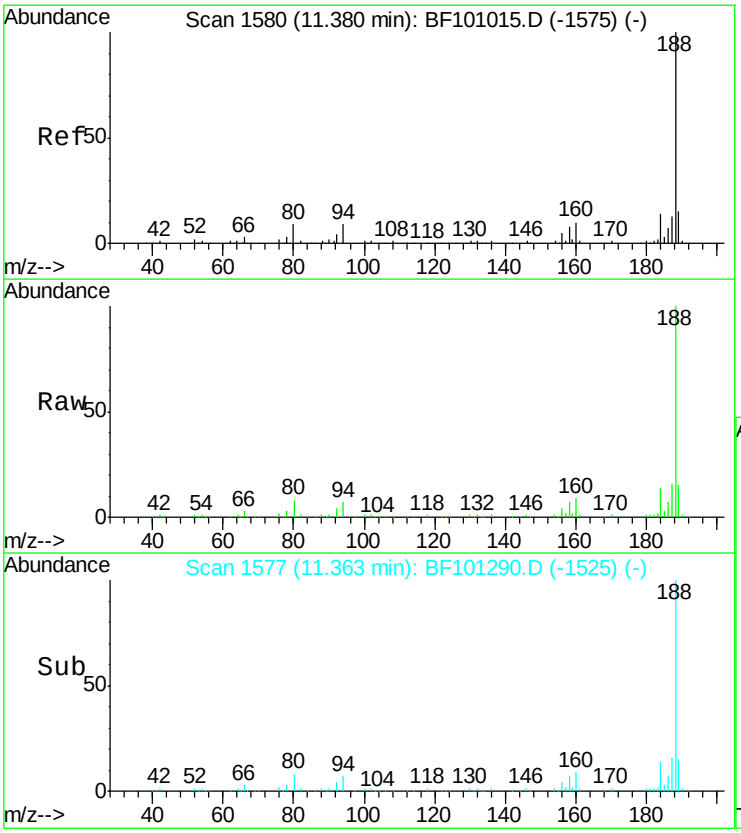

#56
2,4-Dinitrotoluene
Concen: 5.510 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:165 Resp: 11225

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

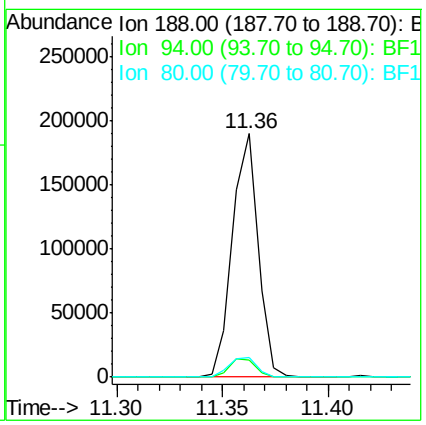


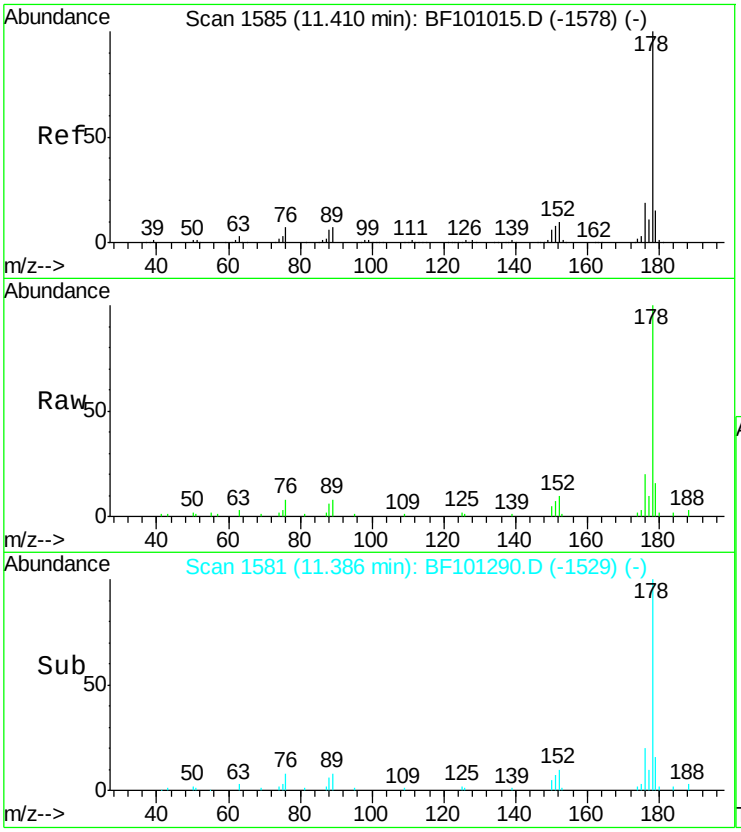




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:188 Resp: 159323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 8.5 | 12.7# |
| 80 | 7.8 | 9.2 | 13.8# |



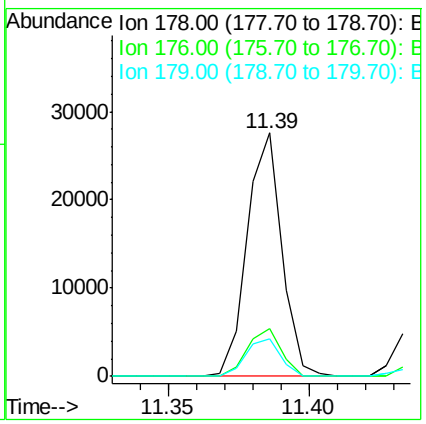


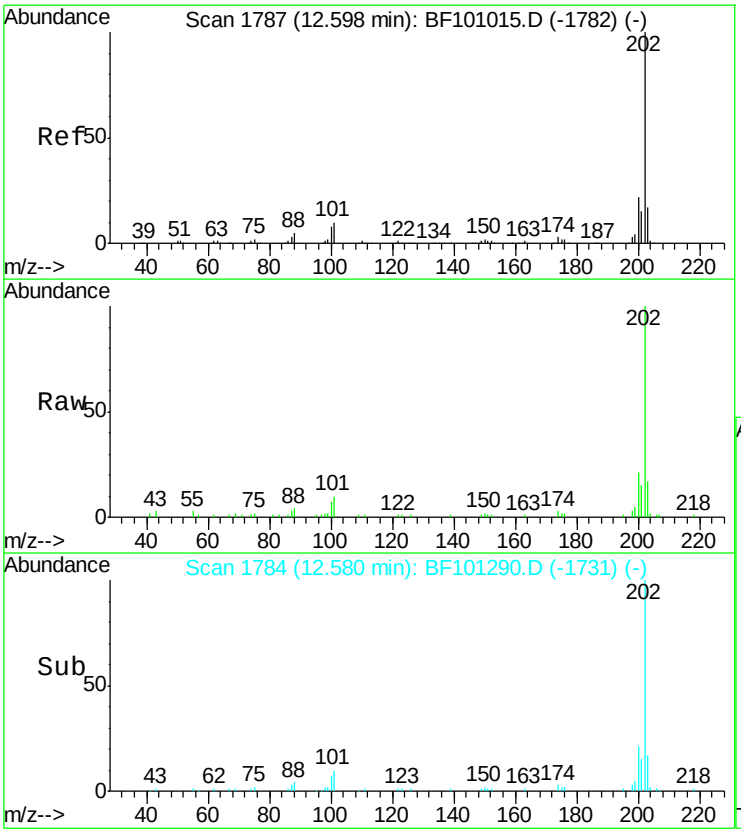

#70
Phenanthrene
Concen: 2.671 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:178 Resp: 23433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.8 | 23.8 |
| 179 | 15.7 | 13.0 | 19.6 |

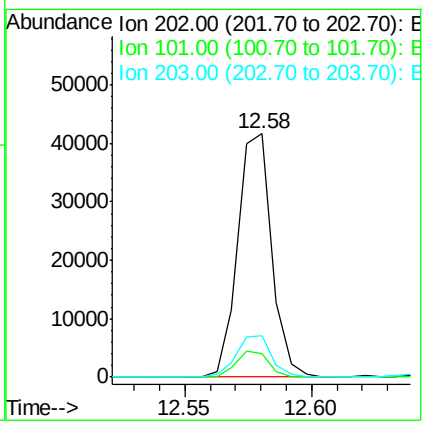


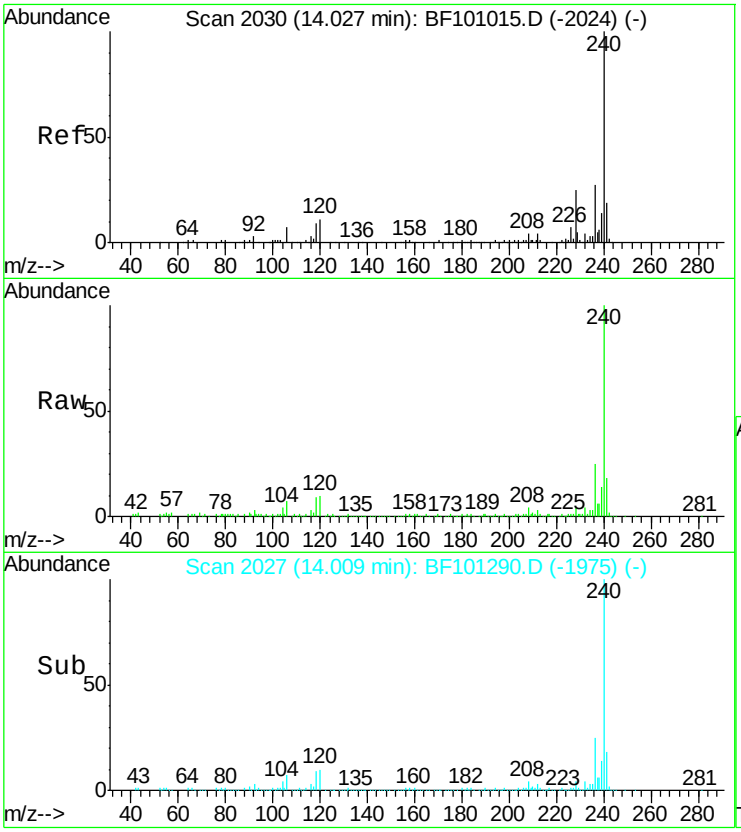




#74
Fluoranthene
Concen: 3.983 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:202 Resp: 38736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 34.1 |
| 203 | 16.8 | 0.0 | 38.1 |



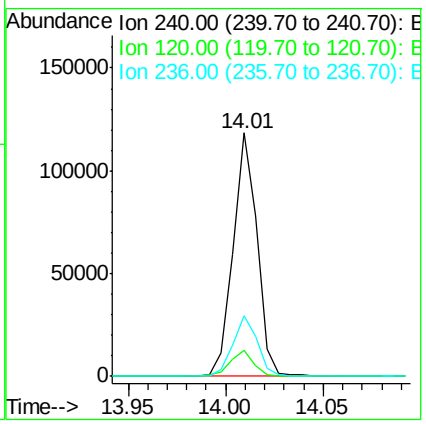


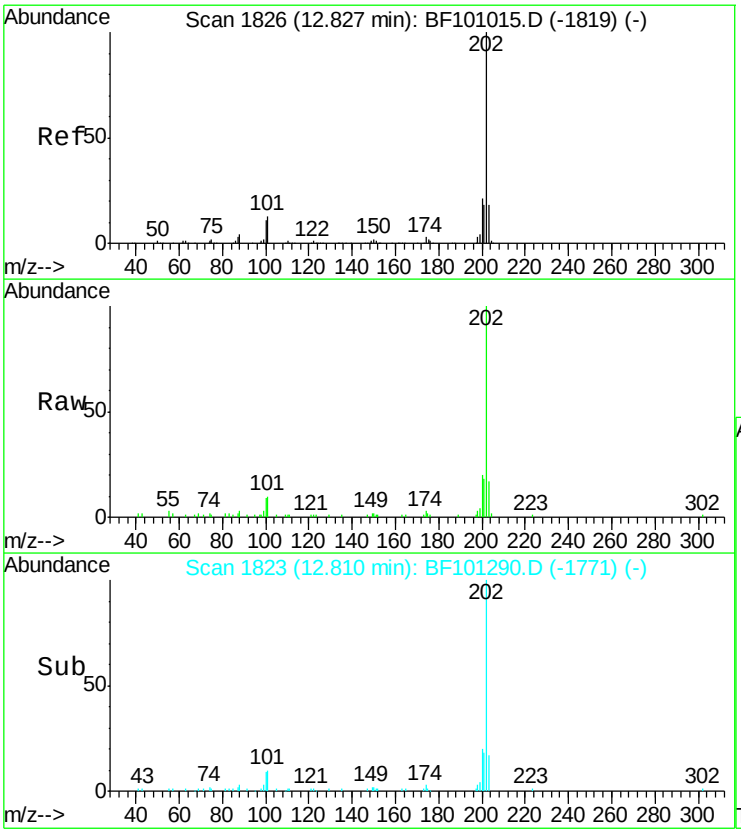

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:240 Resp: 100535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 9.5 | 14.3 |
| 236 | 24.7 | 20.7 | 31.1 |

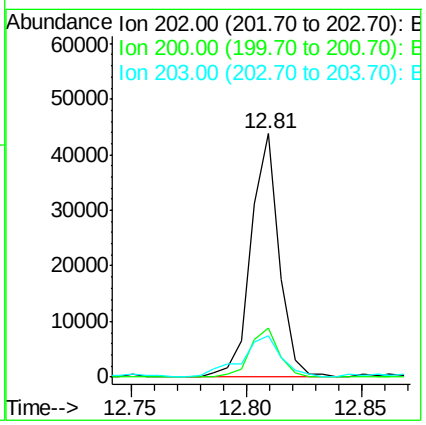


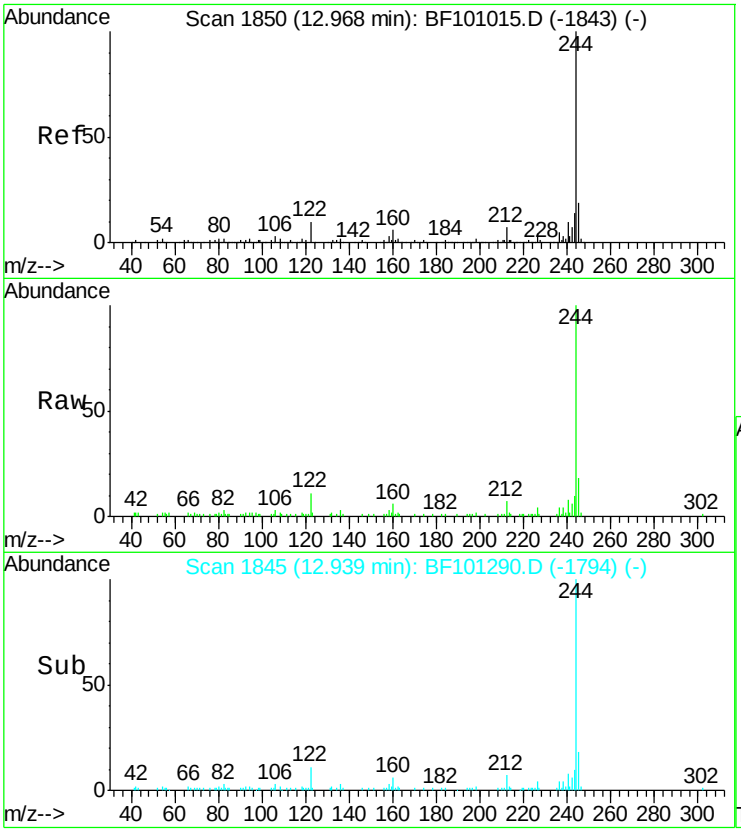




#77
Pyrene
Concen: 5.381 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:202 Resp: 37326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 17.4 | 26.2 |
| 203 | 17.2 | 14.3 | 21.5 |



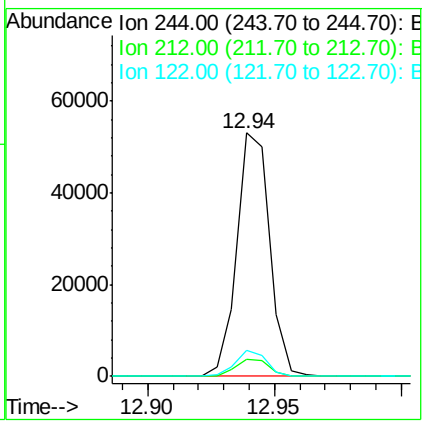


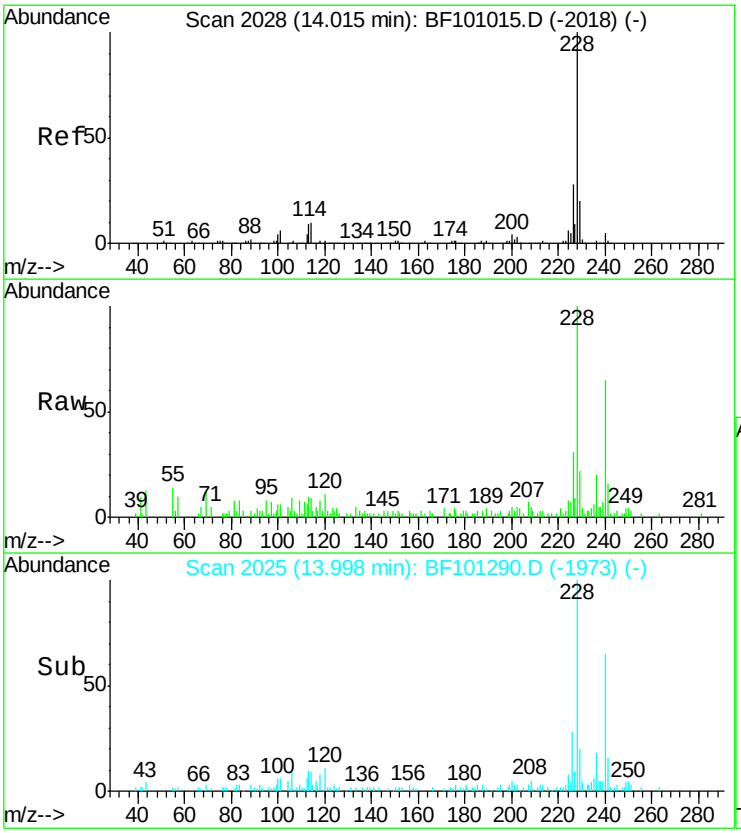

#78
Terphenyl-d14
Concen: 10.342 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:244 Resp: 47538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 10.5 | 11.0 | 16.4# |

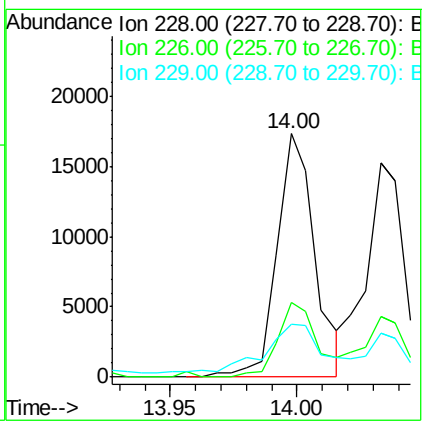


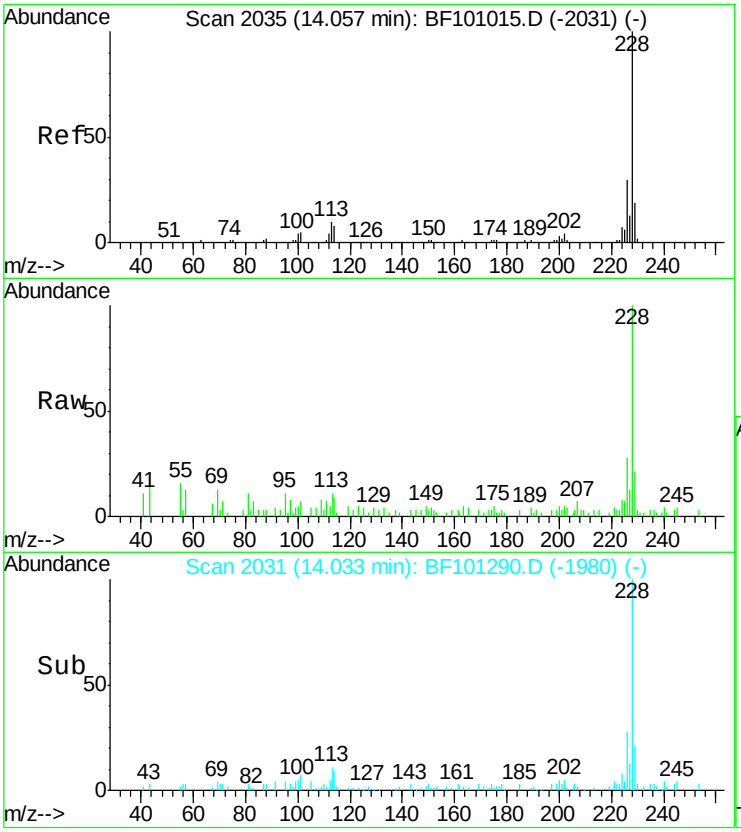




#80
Benzo(a)anthracene
Concen: 2.850 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:228 Resp: 18091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 22.6 | 33.8 |
| 229 | 21.9 | 15.8 | 23.6 |



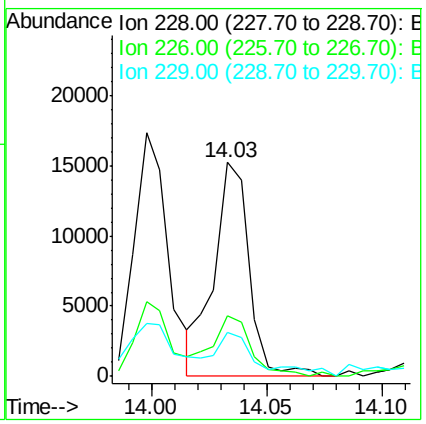


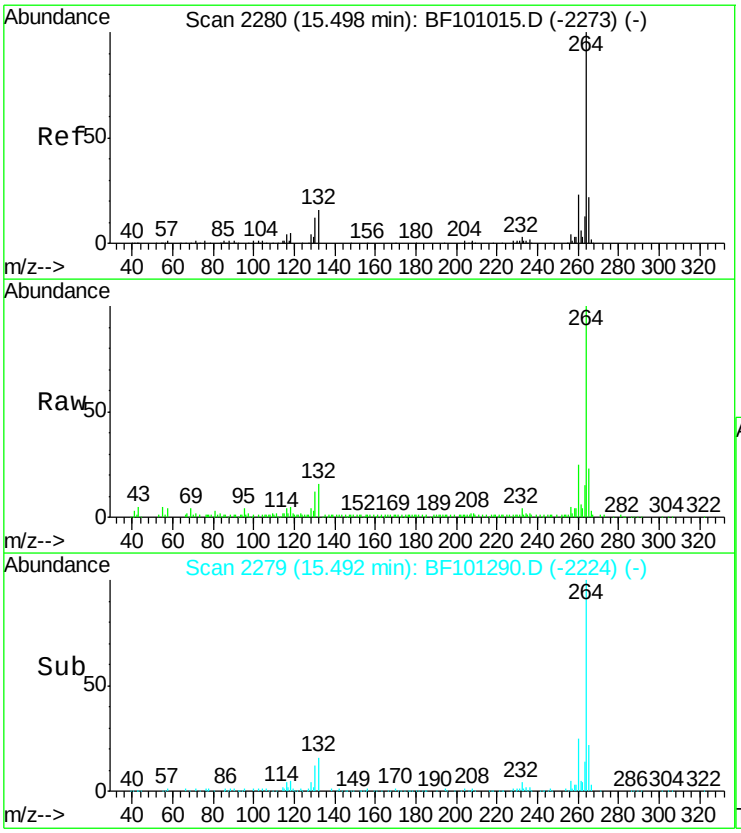

#82
Chrysene
Concen: 2.747 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:228 Resp: 16193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.3 | 25.0 | 37.6 |
| 229 | 20.5 | 16.2 | 24.4 |

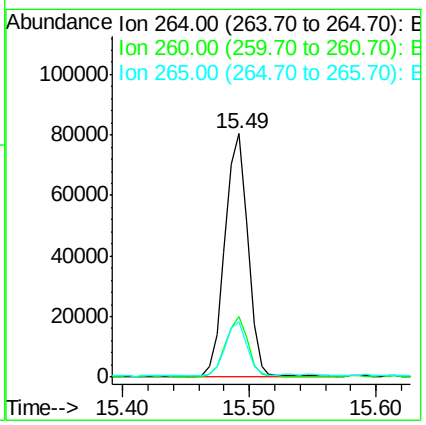


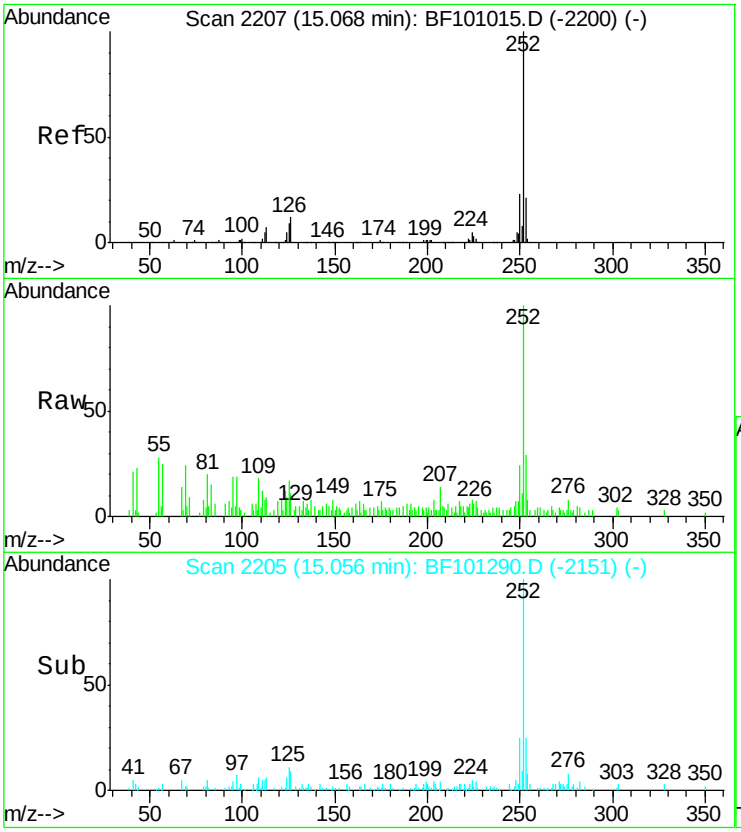




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:264 Resp: 101541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.1 | 19.2 | 28.8 |
| 265 | 22.9 | 17.5 | 26.3 |



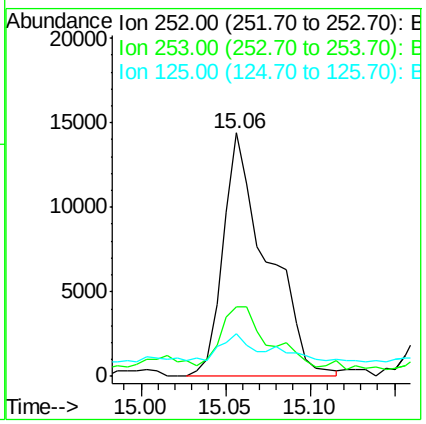


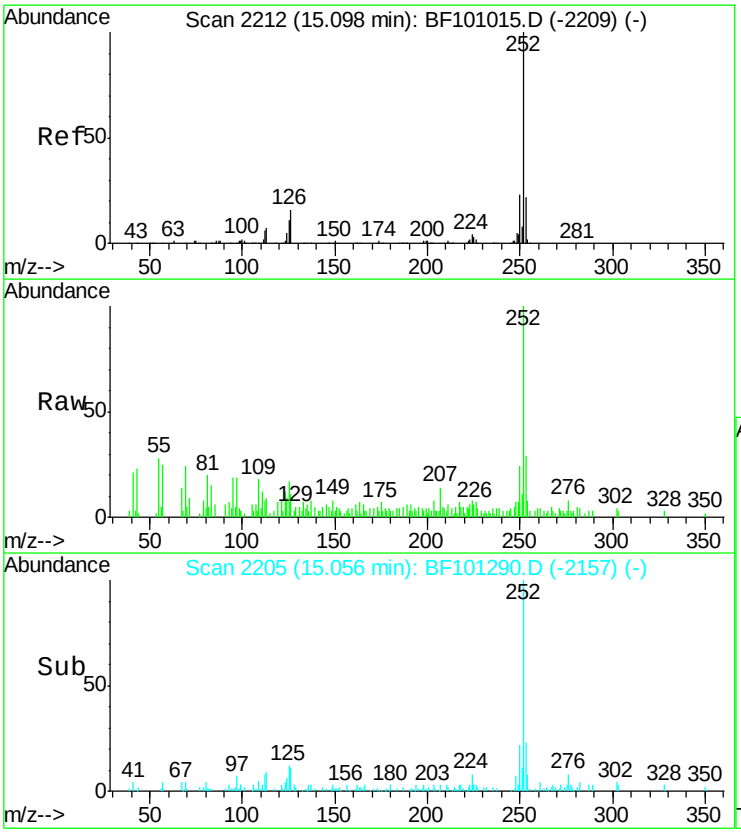

#87
Benzo(b)fluoranthene
Concen: 4.292 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:252 Resp: 26106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.6 | 17.0 | 25.6# |
| 125 | 17.4 | 9.0 | 13.6# |

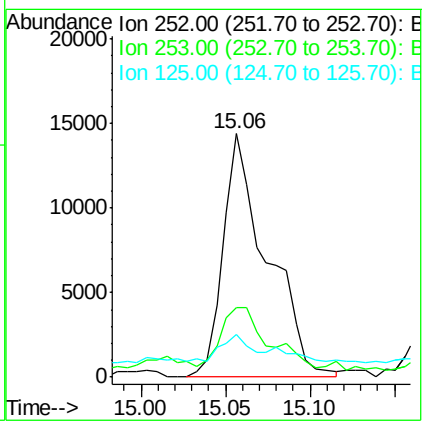


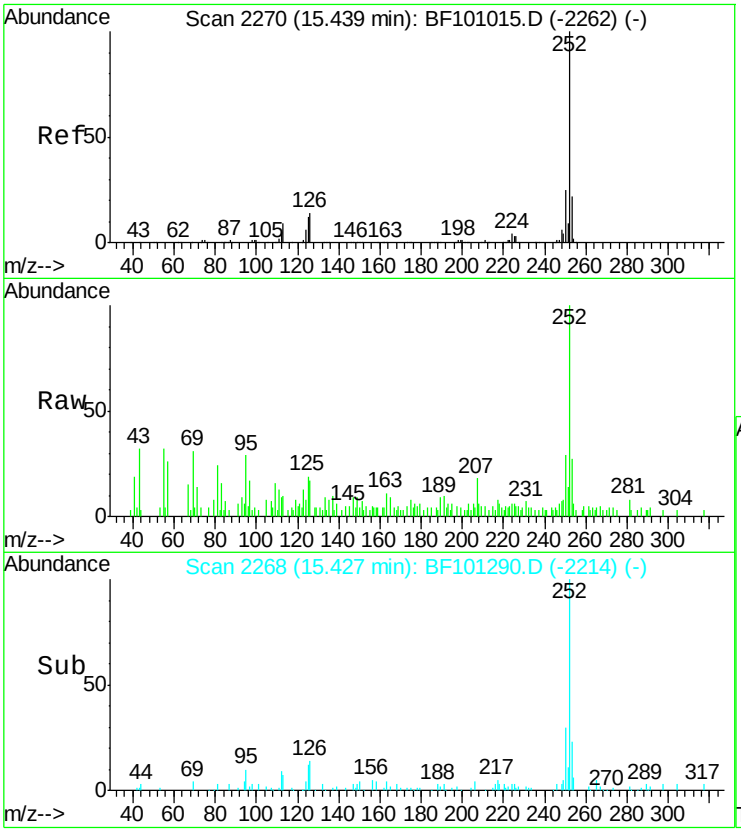




#88
Benzo(k)fluoranthene
Concen: 4.357 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:252 Resp: 26106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.6 | 17.9 | 26.9# |
| 125 | 17.4 | 10.2 | 15.2# |



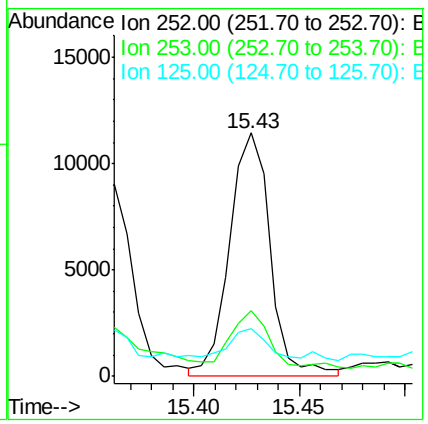


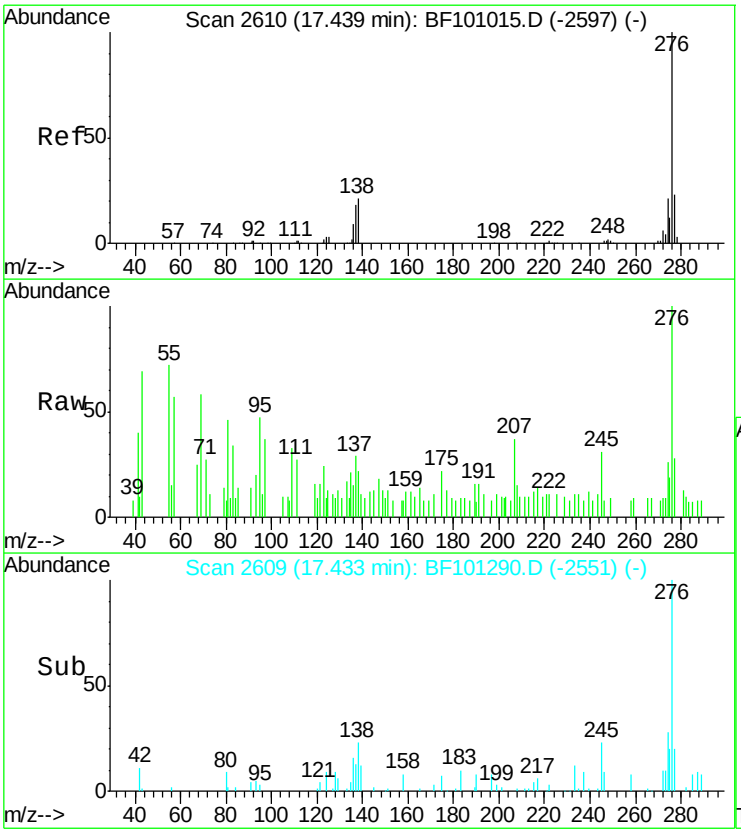

#89
Benzo(a)pyrene
Concen: 2.765 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tgt Ion:252 Resp: 15286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.2 | 17.1 | 25.7# |
| 125 | 19.5 | 9.8 | 14.6# |




#91
Benzo(g,h,i)perylene
Concen: 2.013 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.04 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion:276 Resp: 9249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.6 | 17.9 | 26.9# |
| 138 | 21.6 | 21.8 | 32.8# |