Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101489.D
Acq On : 18 Dec 2017 19:09
Operator : SJ/JU
Sample : I6908-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7

Quant Time: Dec 19 01:24:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 156783 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 606751 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 239991 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 381556 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 293690 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 254947 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 901843 | 85.68 | ng | | 0.01 |
| 7) Phenol-d6 | 6.45 | 99 | 1102350 | 84.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 651472 | 59.77 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 189102 | 81.77 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 993803 | 64.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 707229 | 58.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.46 | 94 | 59966 | 4.02 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 85778 | 9.97 | ng | # | 77 |
| 25) Isophorone | 7.38 | 82 | 651466 | 29.79 | ng | # | 64 |
| 49) Dimethylphthalate | 9.56 | 163 | 56147 | 2.91 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 30291 | 7.72 | ng | # | 25 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 30291 | 6.85 | ng | # | 23 |
| 66) 4-Bromophenyl-phenylether | 10.65 | 248 | 11454 | 2.67 | ng | # | 1 |
| 74) Fluoranthene | 12.56 | 202 | 95212 | 4.27 | ng | | 98 |
| 77) Pyrene | 12.79 | 202 | 88331 | 4.01 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 44086 | 2.27 | ng | | 96 |
| 82) Chrysene | 14.02 | 228 | 40445 | 2.21 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 58966 | 3.79 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 58947 | 3.90 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.40 | 252 | 29217 | 2.04 | ng | # | 91 |

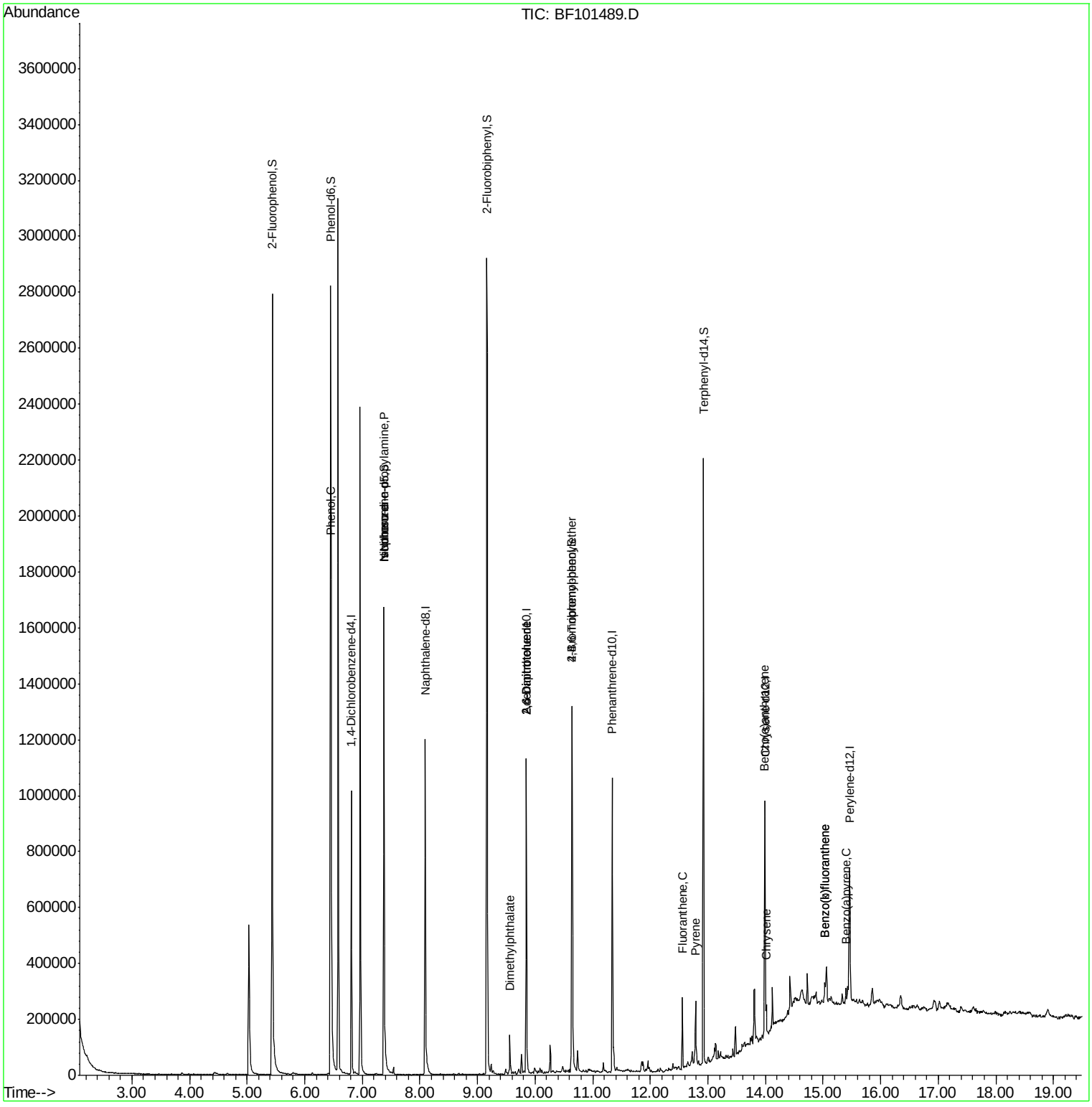
(#) = qualifier out of range (m) = manual integration (+) = signals summed

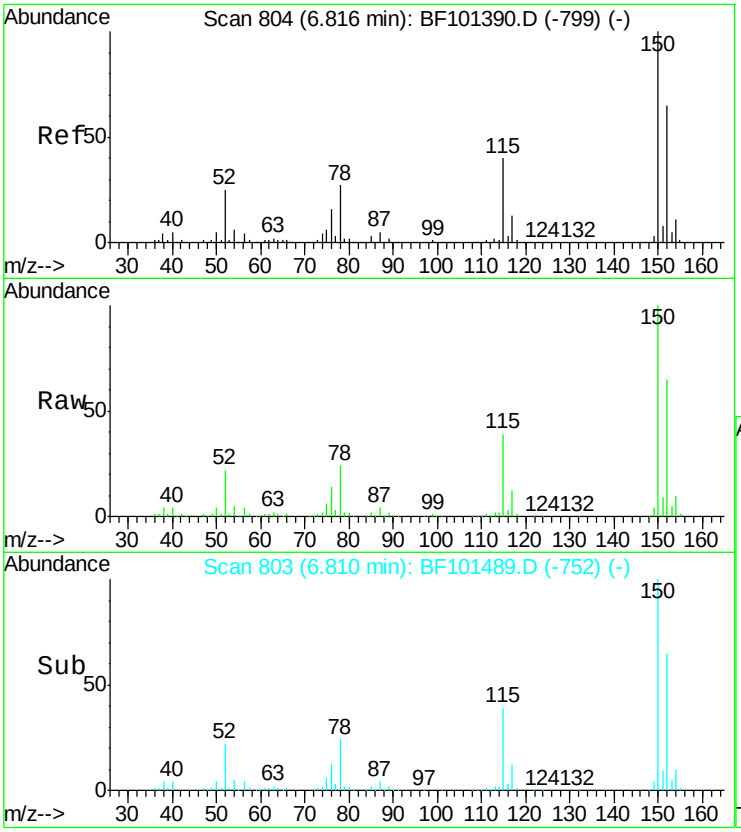
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101489.D
Acq On : 18 Dec 2017 19:09
Operator : SJ/JU
Sample : I6908-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7

Quant Time: Dec 19 01:24:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration



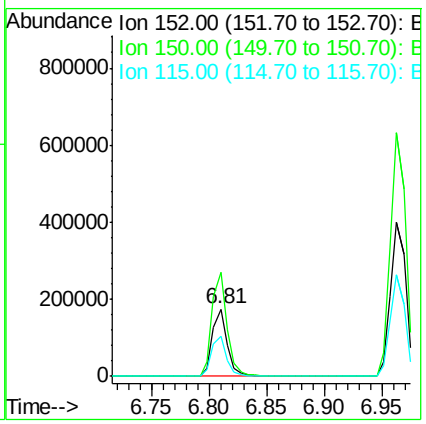


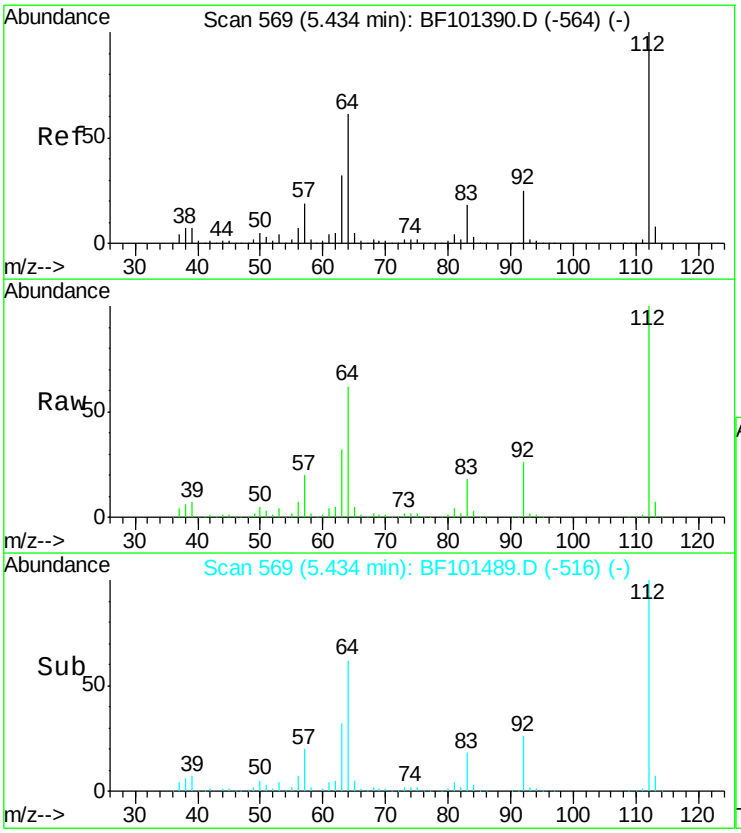

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:152 Resp: 156783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.7 | 124.6 | 186.8 |
| 115 | 59.7 | 50.1 | 75.1 |

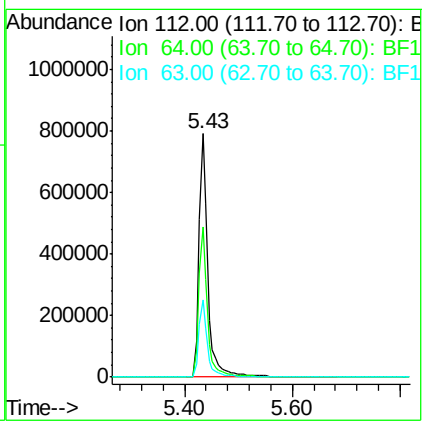


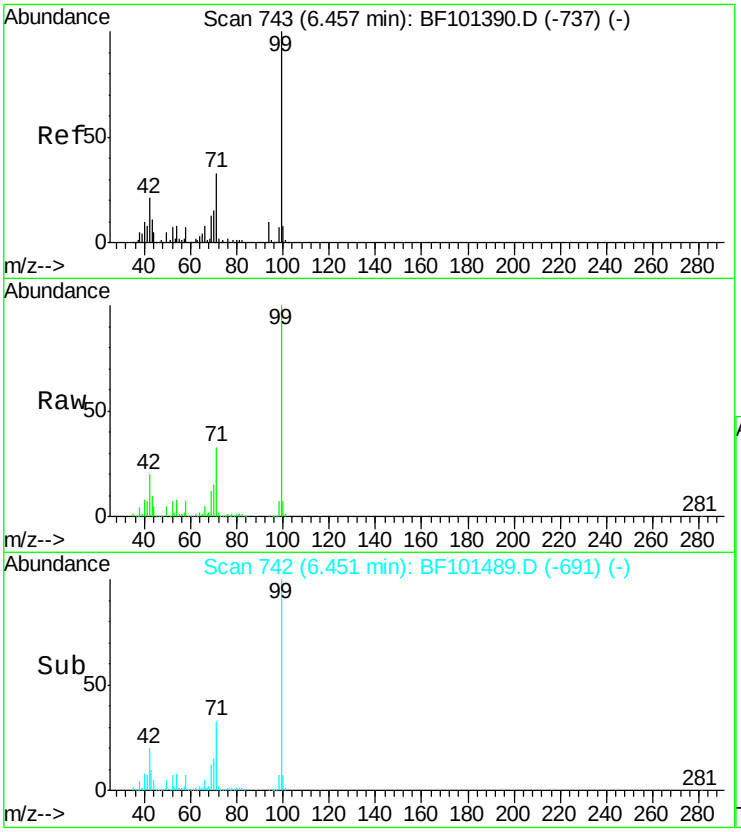




#5
2-Fluorophenol
Concen: 85.68 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:112 Resp: 901843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.6 | 47.9 | 71.9 |
| 63 | 31.6 | 23.7 | 35.5 |



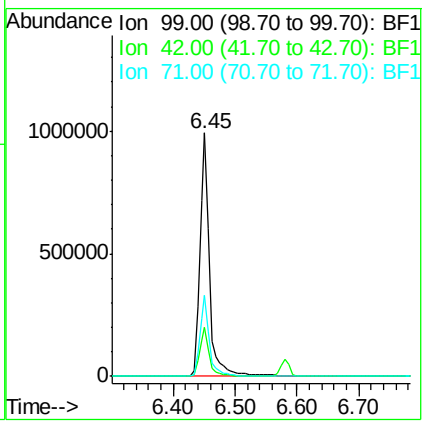


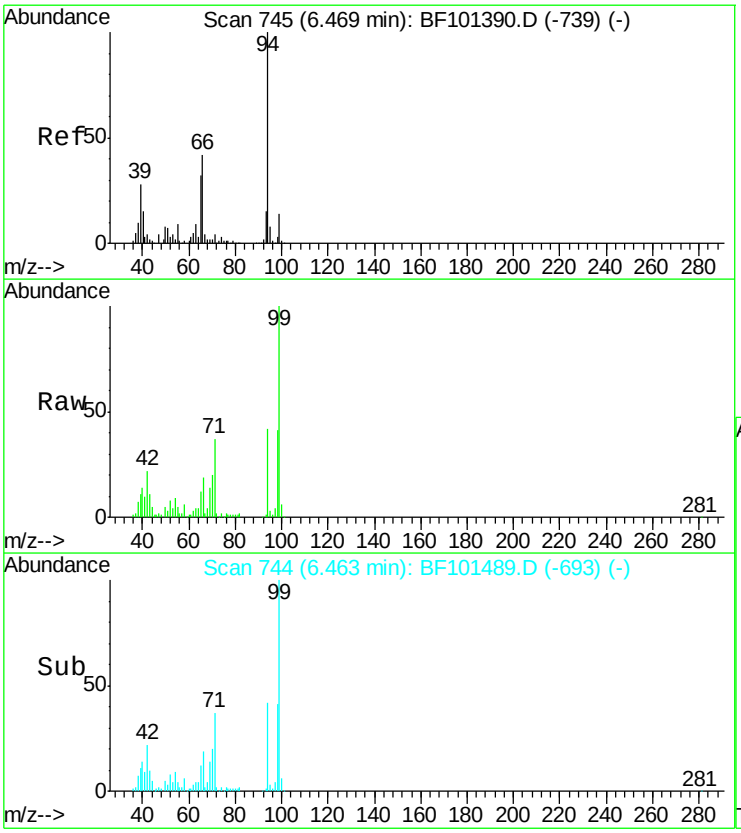

#7
Phenol-d6
Concen: 84.15 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion: 99 Resp: 1102350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.9 | 14.5 | 21.7 |
| 71 | 33.1 | 25.4 | 38.0 |

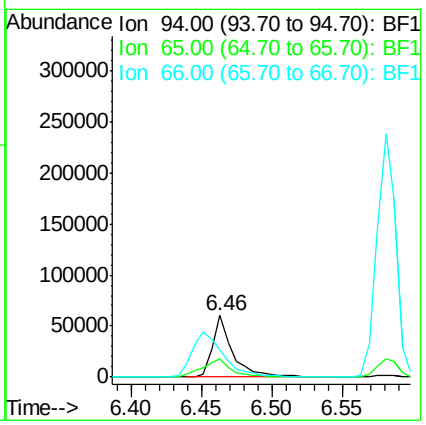


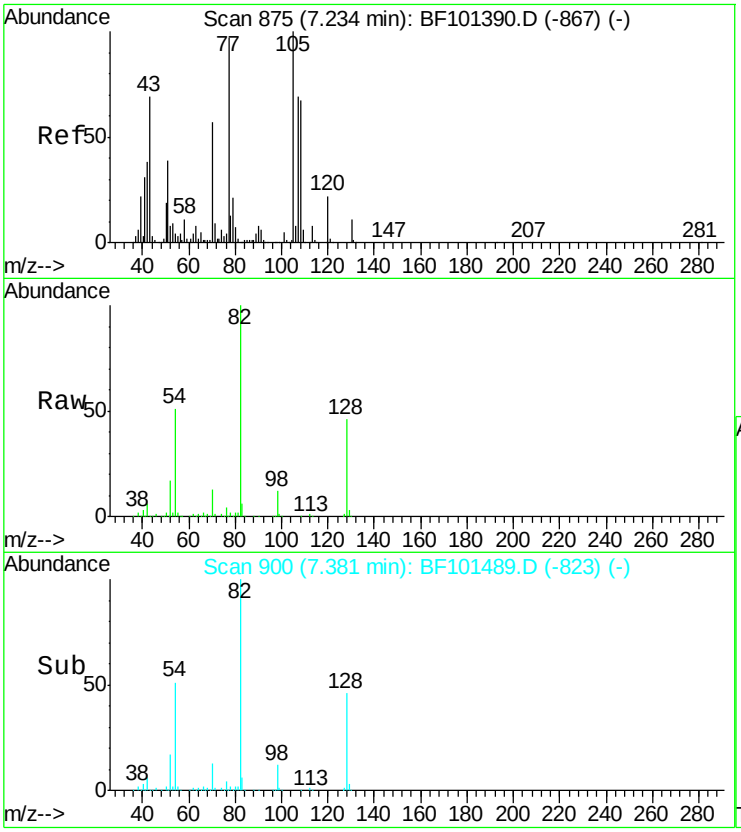




#10
Phenol
Concen: 4.02 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion: 94 Resp: 59966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 7.9 | 47.9 |
| 66 | 44.9 | 16.2 | 56.2 |



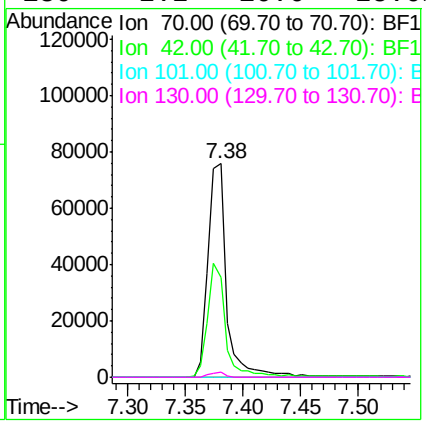


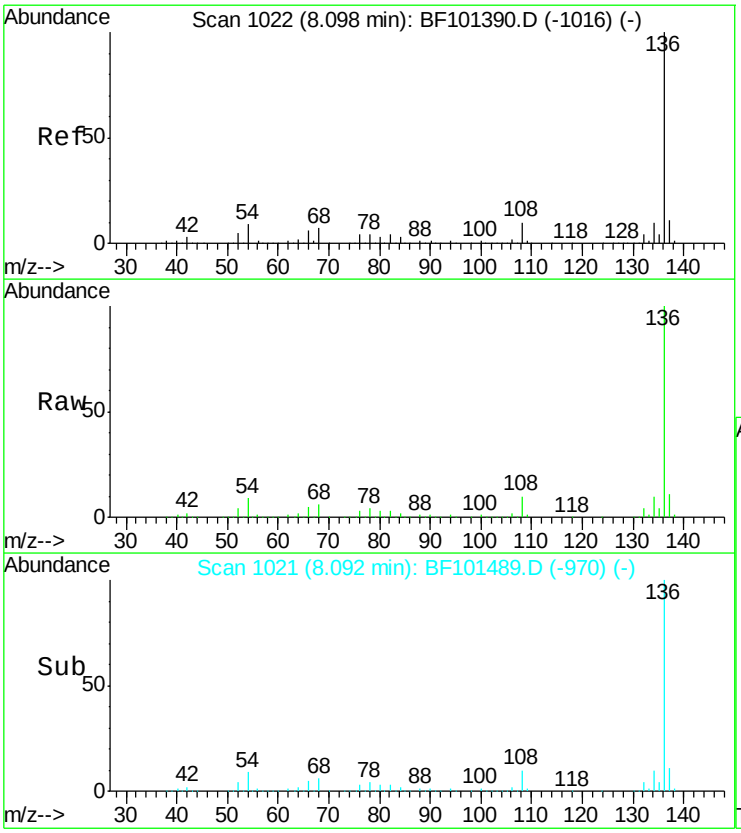

#19
n-Nitroso-di-n-propylamine
Concen: 9.97 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion: 70 Resp: 85778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.0 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 16.6 | 25.0# |

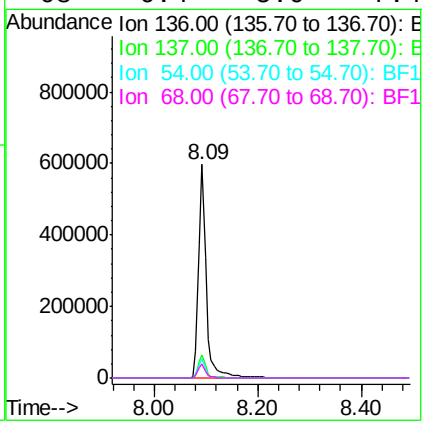


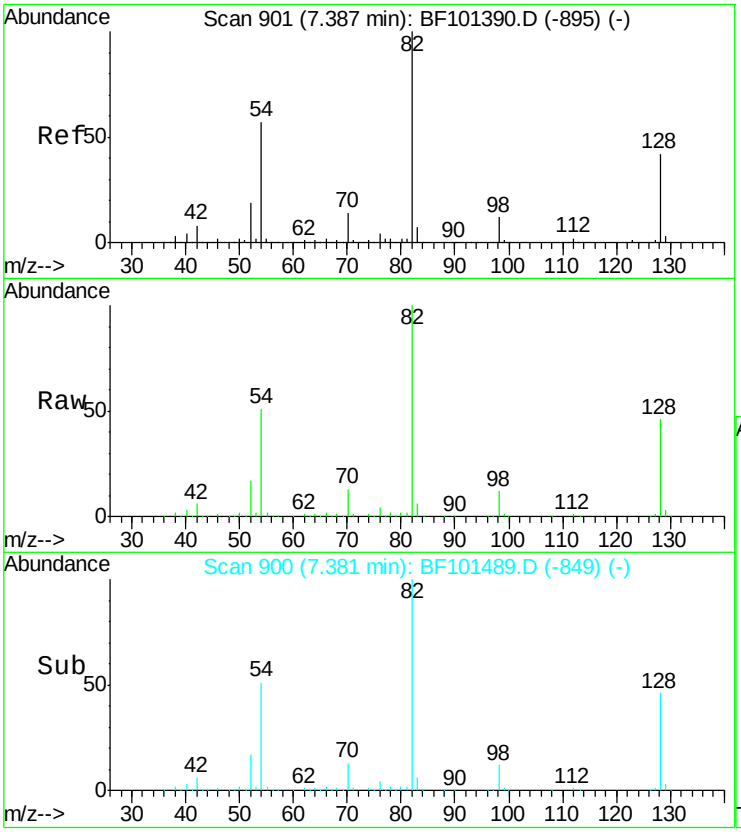




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:136 Resp: 606751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 8.8 | 6.6 | 9.8 |
| 68 | 6.4 | 5.0 | 7.4 |



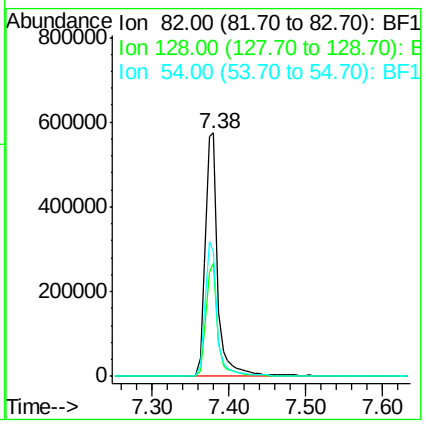


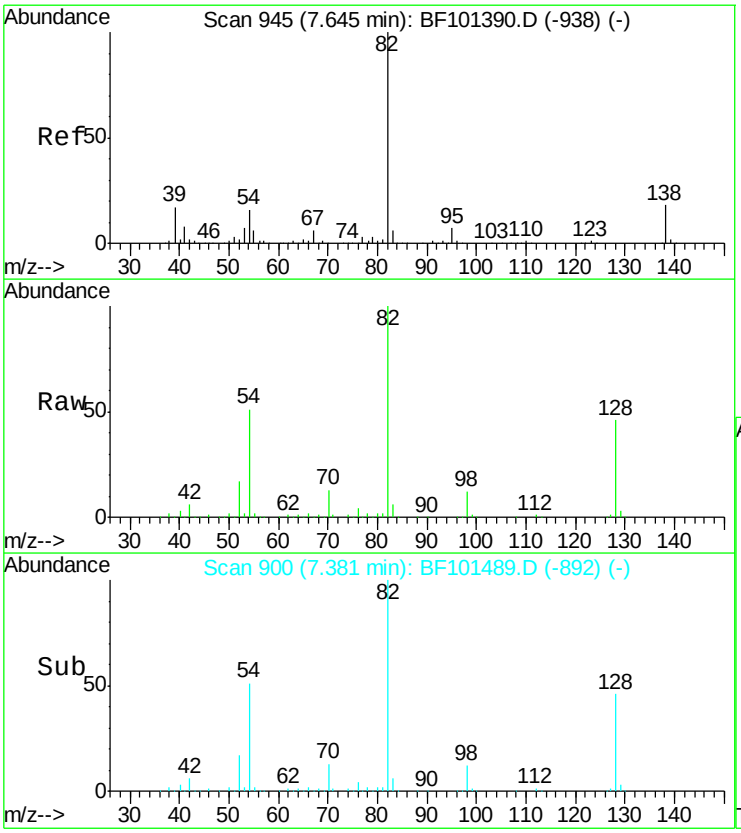

#23
Nitrobenzene-d5
Concen: 59.77 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion: 82 Resp: 651472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.5 | 36.1 | 54.1 |
| 54 | 51.0 | 41.4 | 62.2 |

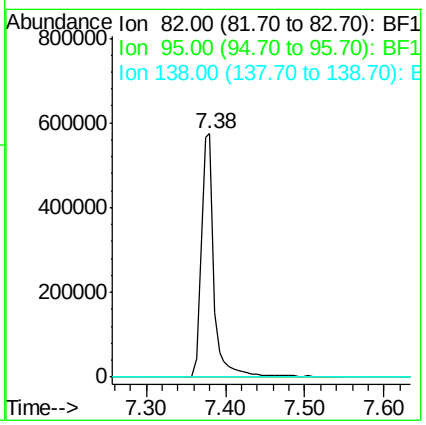


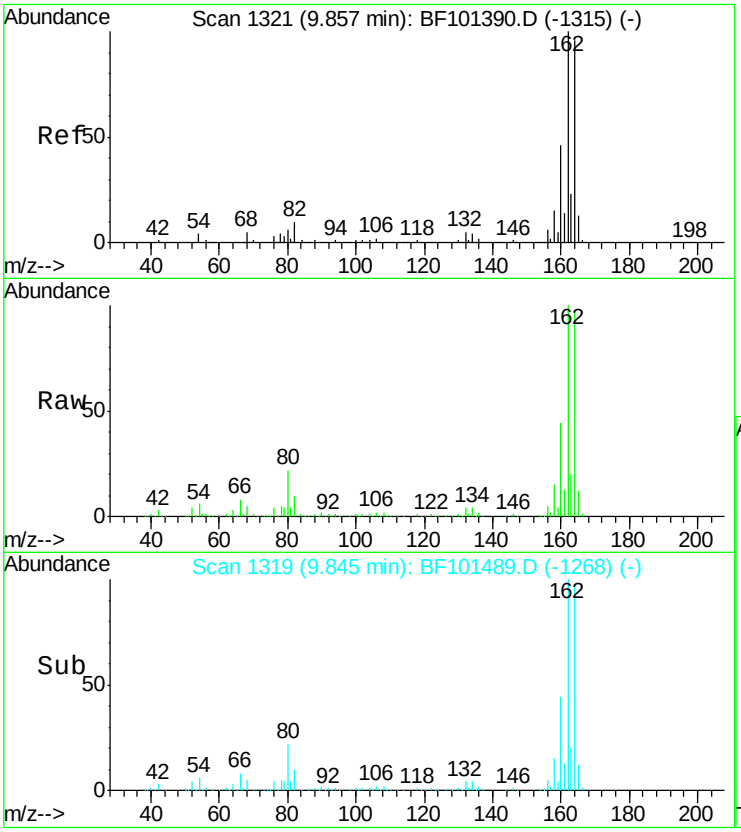




#25
Isophorone
Concen: 29.79 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.25 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion: 82 Resp: 651466

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



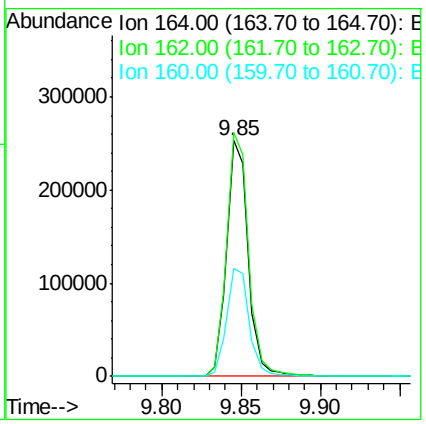


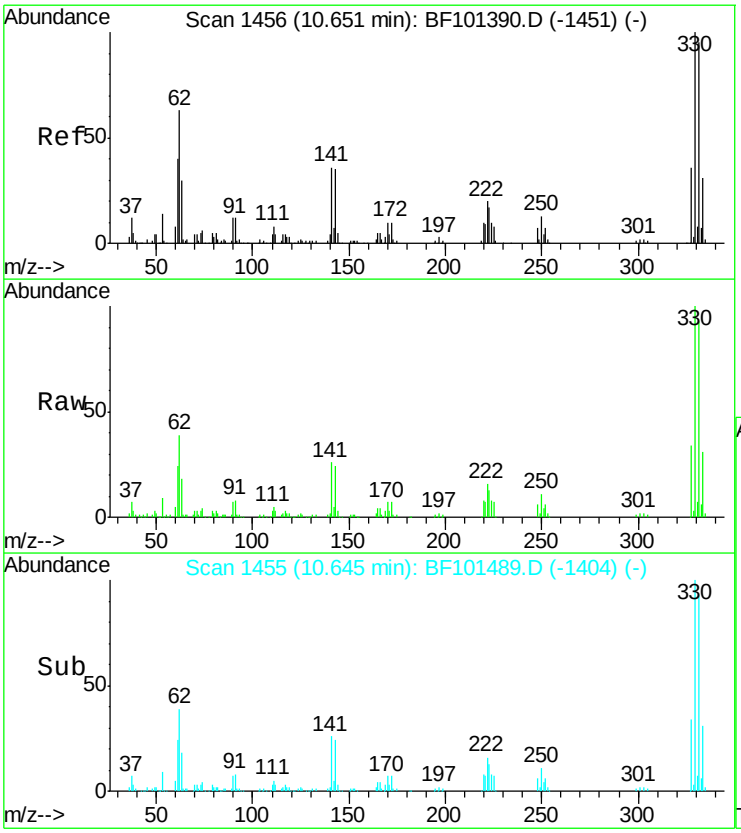

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:164 Resp: 239991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 86.1 | 129.1 |
| 160 | 45.5 | 38.3 | 57.5 |

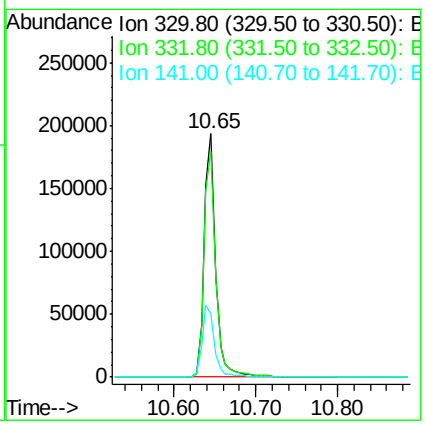


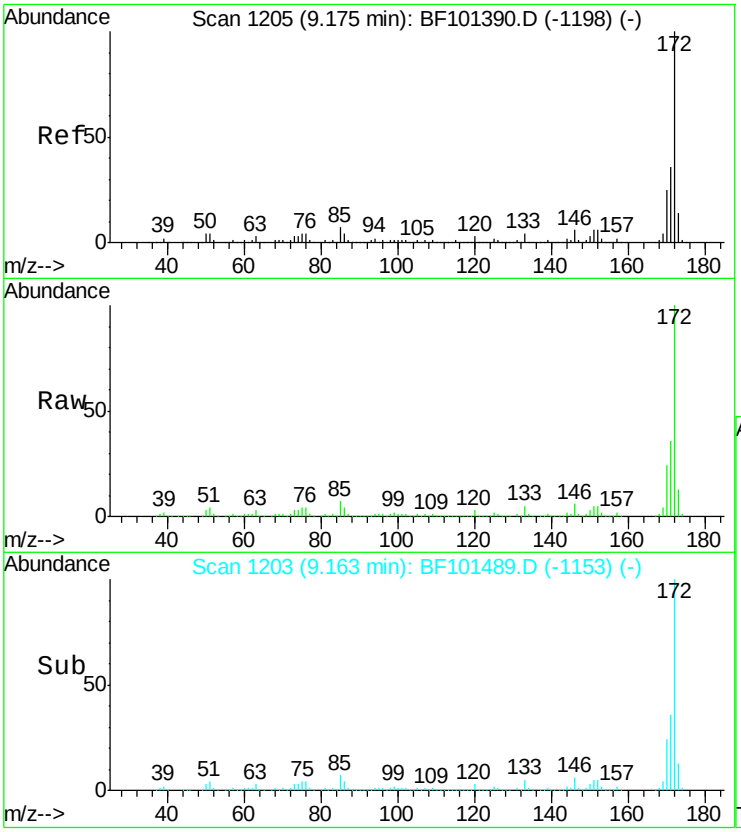




#41
2,4,6-Tribromophenol
Concen: 81.77 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:330 Resp: 189102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 77.0 | 115.6 |
| 141 | 31.9 | 29.9 | 44.9 |



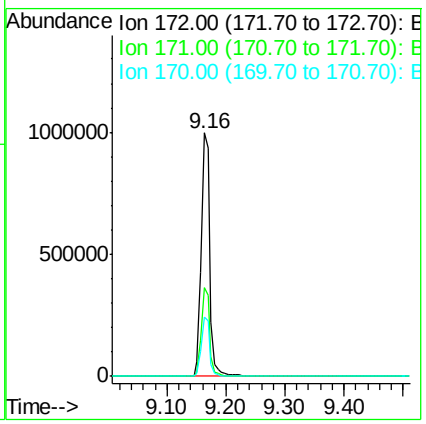


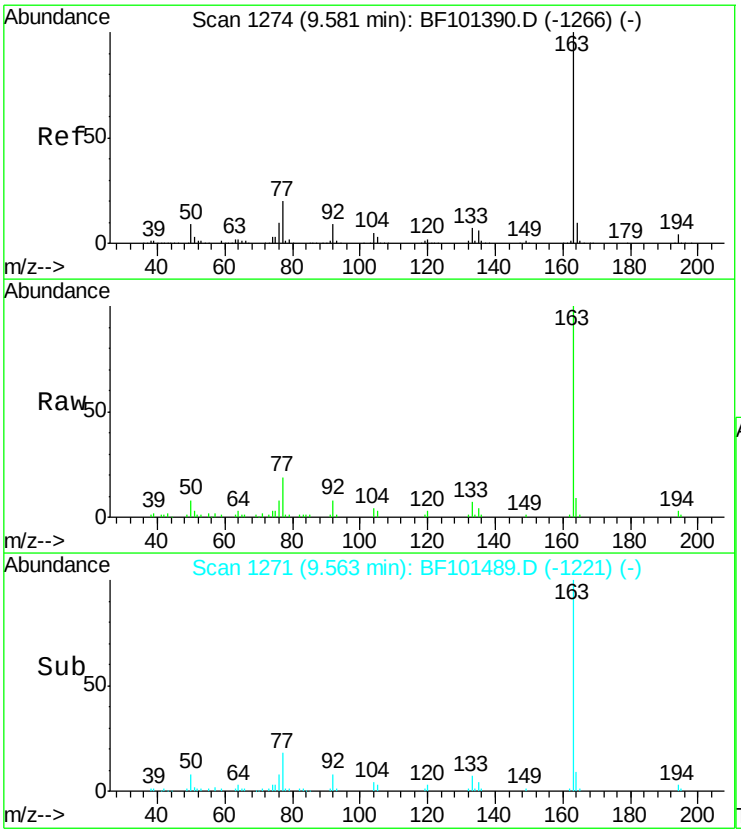

#44
2-Fluorobiphenyl
Concen: 64.24 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:172 Resp: 993803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 24.2 | 19.6 | 29.4 |

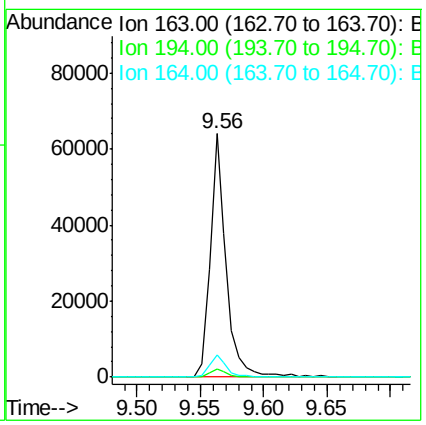


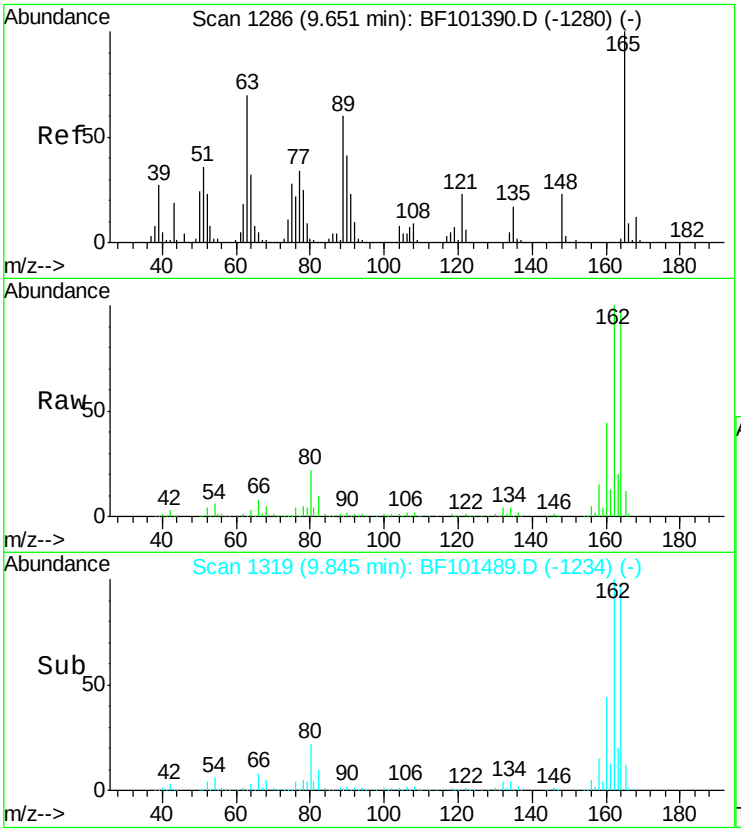




#49
Dimethylphthalate
Concen: 2.91 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:163 Resp: 56147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.7 | 4.1 |
| 164 | 9.2 | 8.2 | 12.2 |



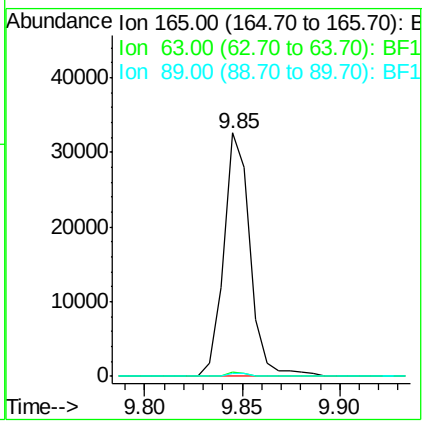


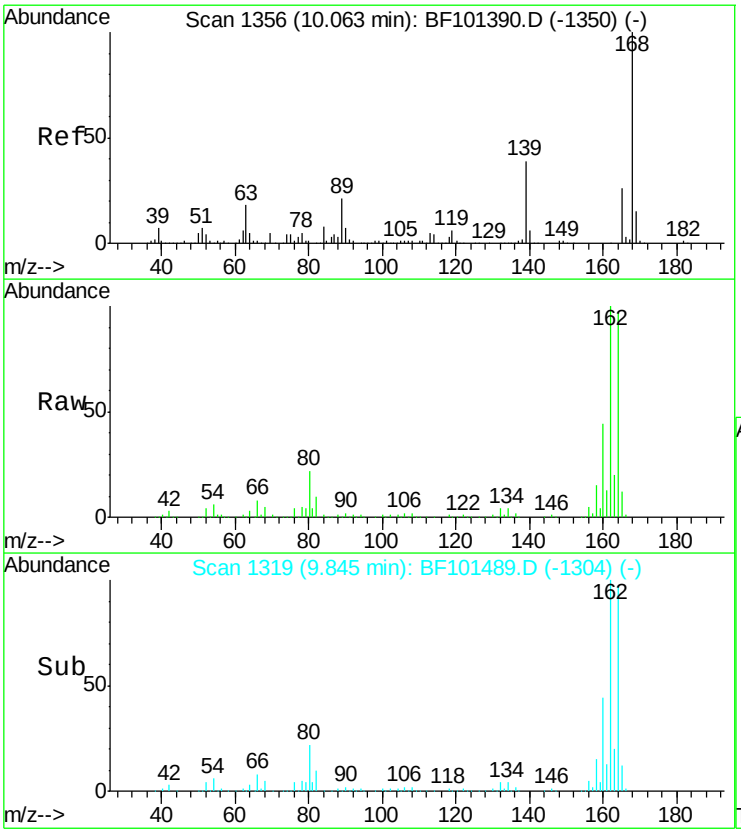

#50
2,6-Dinitrotoluene
Concen: 7.72 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:165 Resp: 30291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.6 | 44.7 | 67.1# |
| 89 | 1.1 | 44.0 | 66.0# |

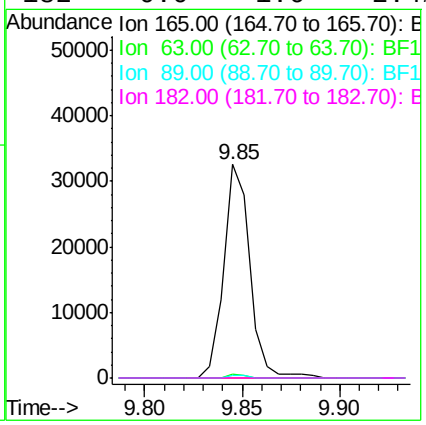


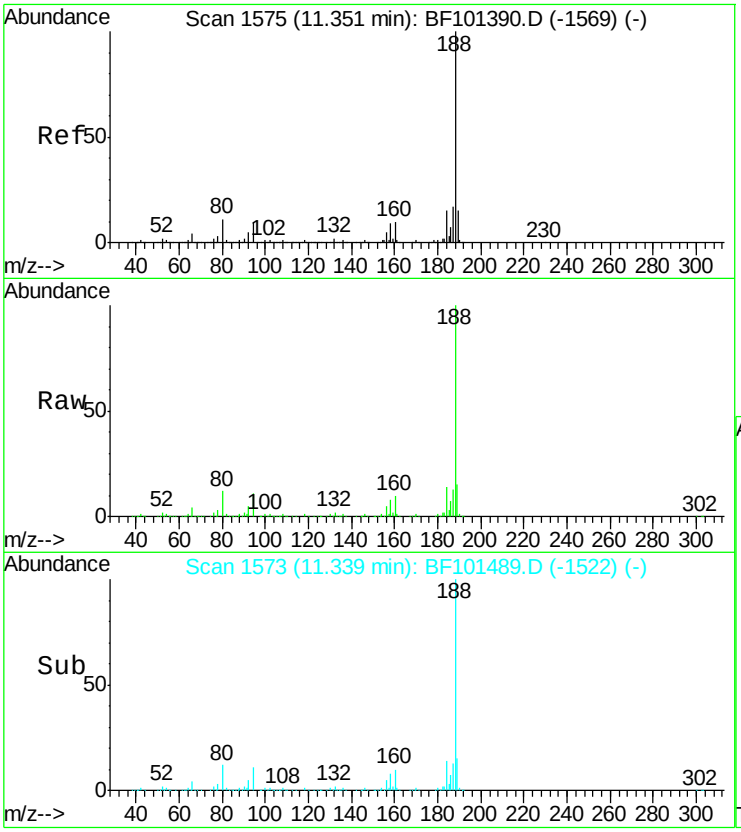




#56
2,4-Dinitrotoluene
Concen: 6.85 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:165 Resp: 30291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.6 | 36.4 | 54.6# |
| 89 | 1.1 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



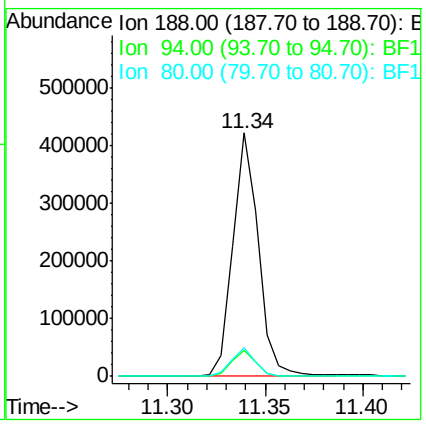


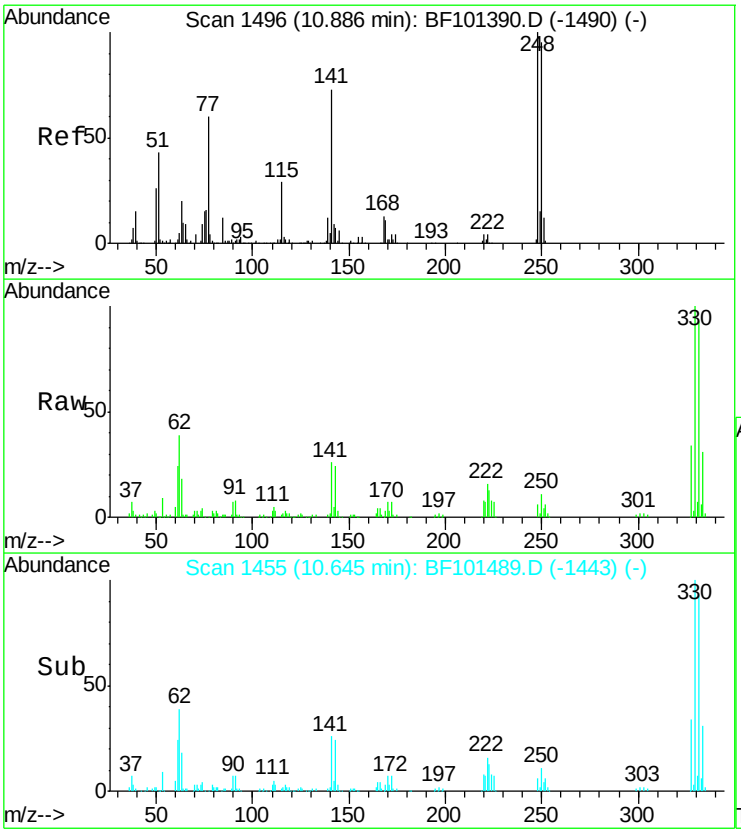

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:188 Resp: 381556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.5 | 12.7 |
| 80 | 11.5 | 9.2 | 13.8 |

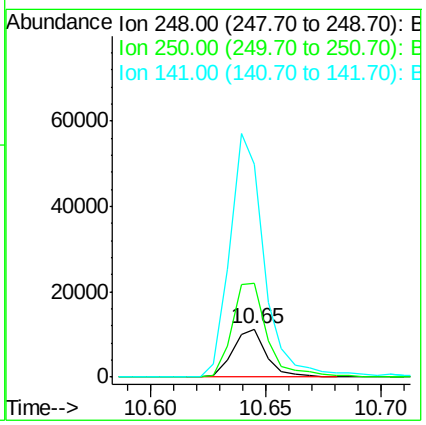


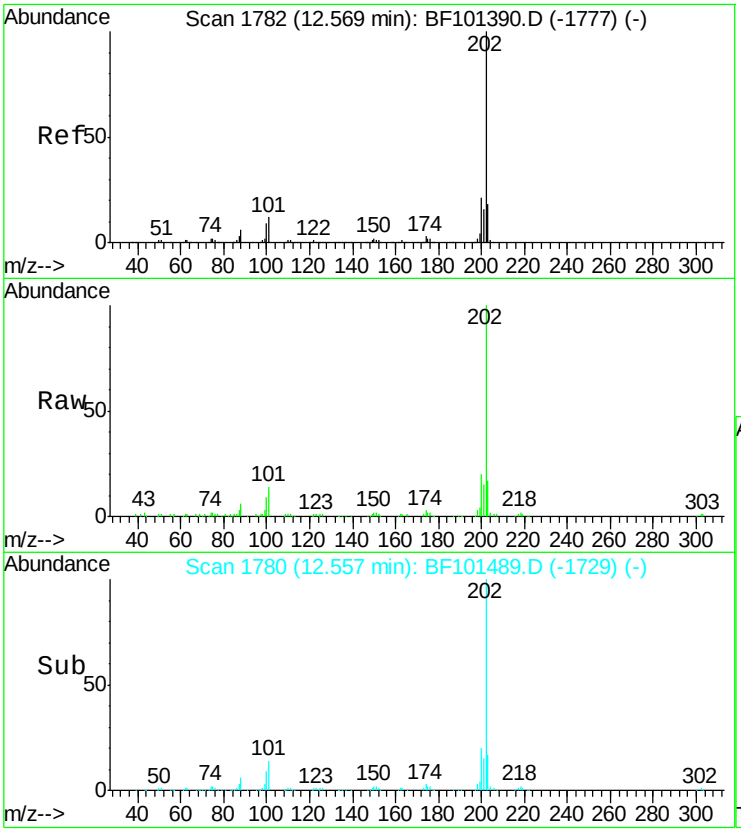




#66
4-Bromophenyl-phenylether
Concen: 2.67 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:248 Resp: 11454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 195.5 | 76.9 | 115.3# |
| 141 | 442.0 | 74.4 | 111.6# |



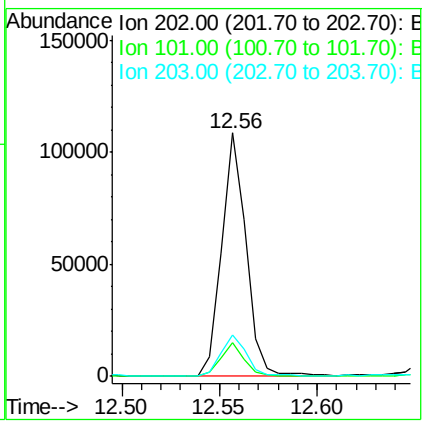


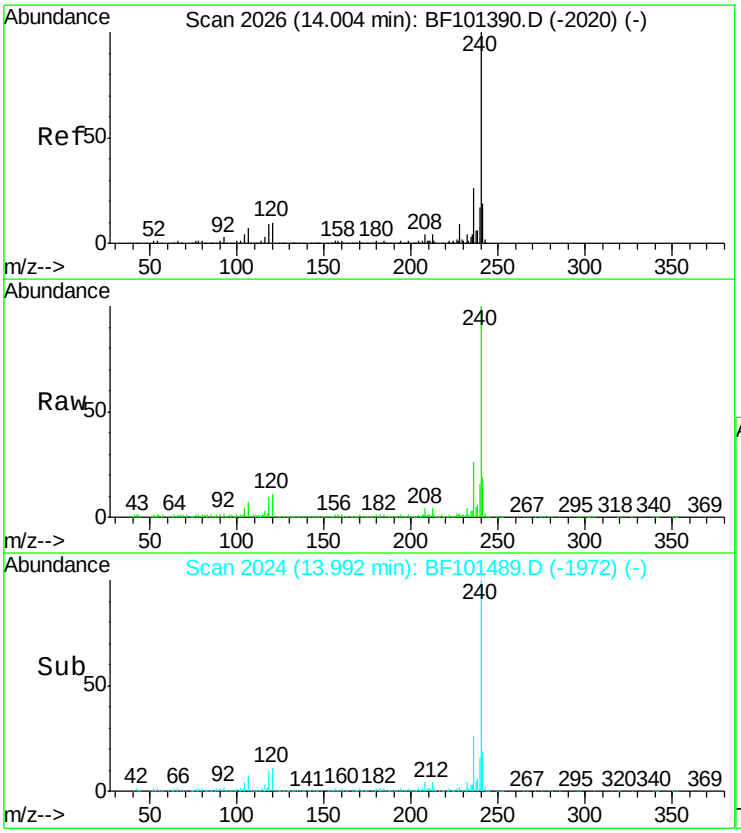

#74
Fluoranthene
Concen: 4.27 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:202 Resp: 95212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 0.0 | 34.1 |
| 203 | 17.0 | 0.0 | 38.1 |

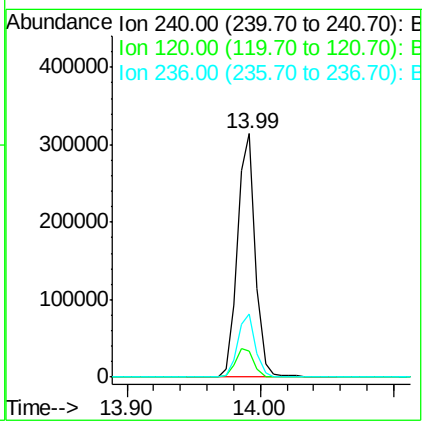


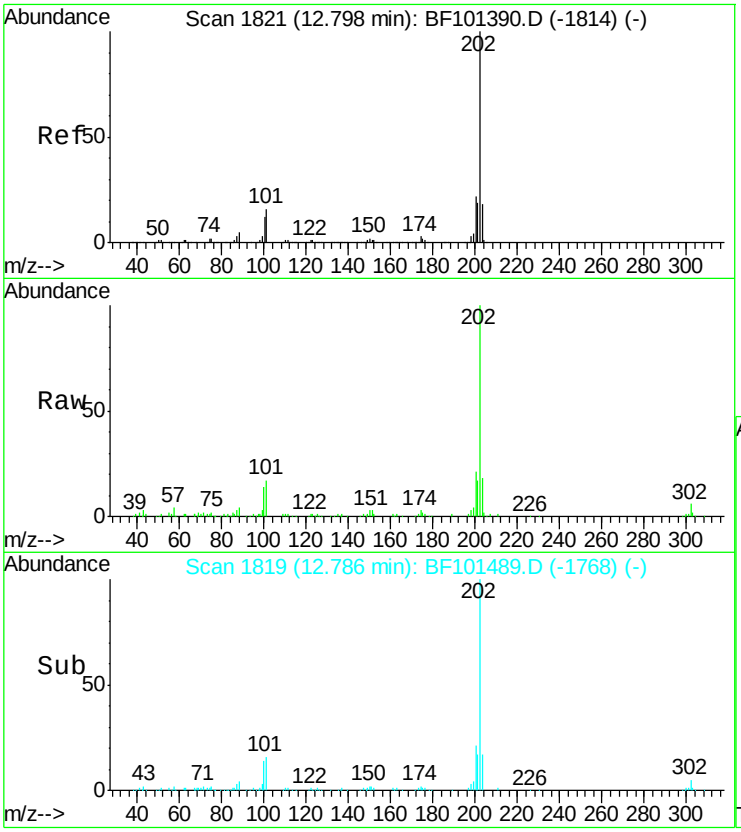




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:240 Resp: 293690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 9.5 | 14.3 |
| 236 | 26.2 | 20.7 | 31.1 |



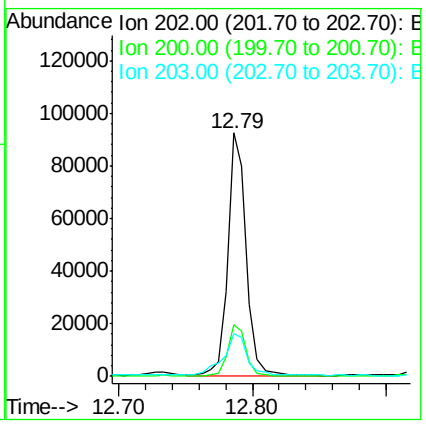


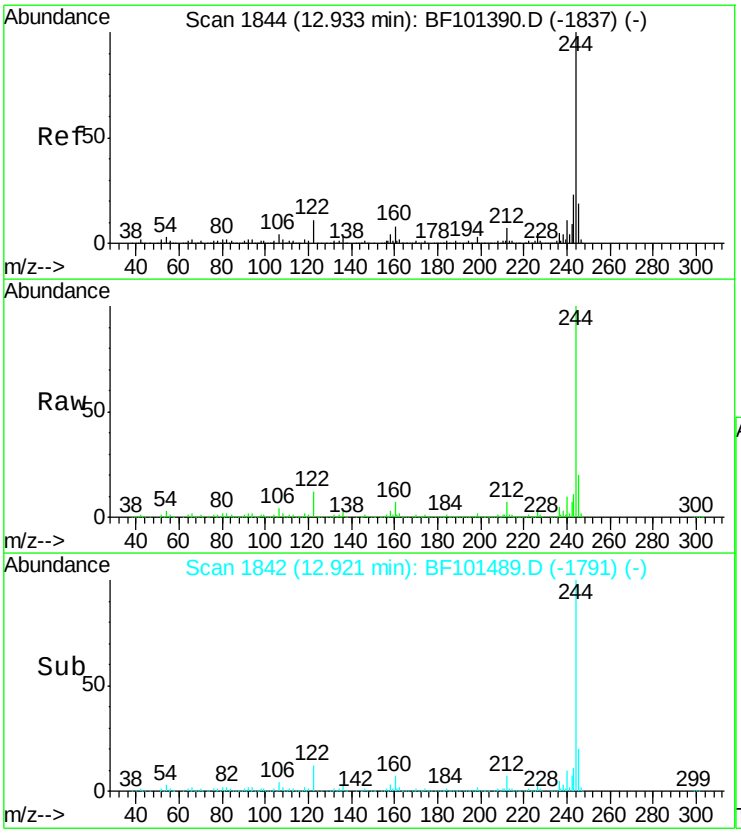

#77
Pyrene
Concen: 4.01 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:202 Resp: 88331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.4 | 26.2 |
| 203 | 17.6 | 14.3 | 21.5 |

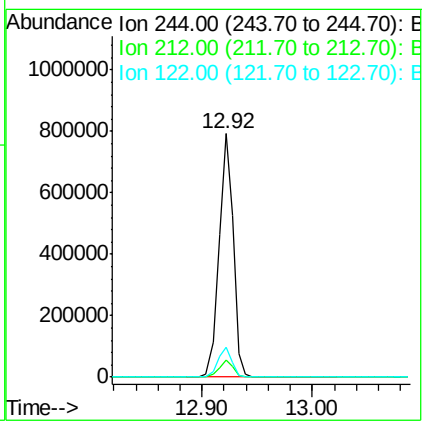


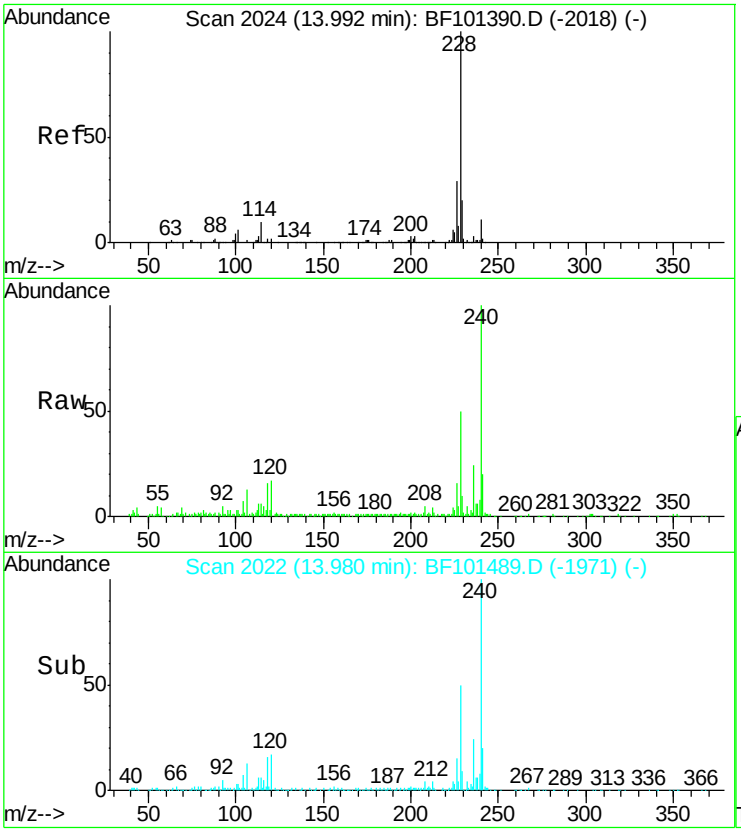




#78
Terphenyl-d14
Concen: 58.05 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:244 Resp: 707229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 12.1 | 11.0 | 16.4 |



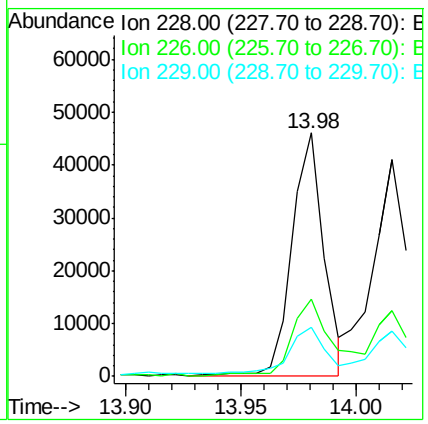


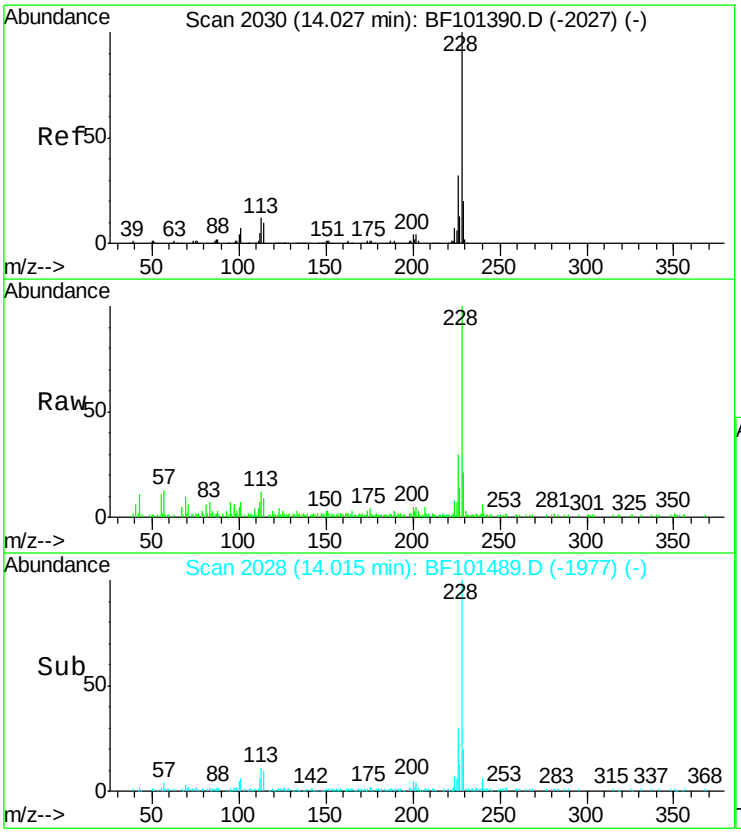

#80
Benzo(a)anthracene
Concen: 2.27 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:228 Resp: 44086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.0 | 22.6 | 33.8 |
| 229 | 20.0 | 15.8 | 23.6 |

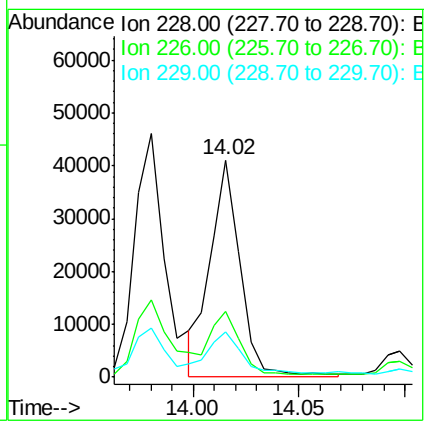


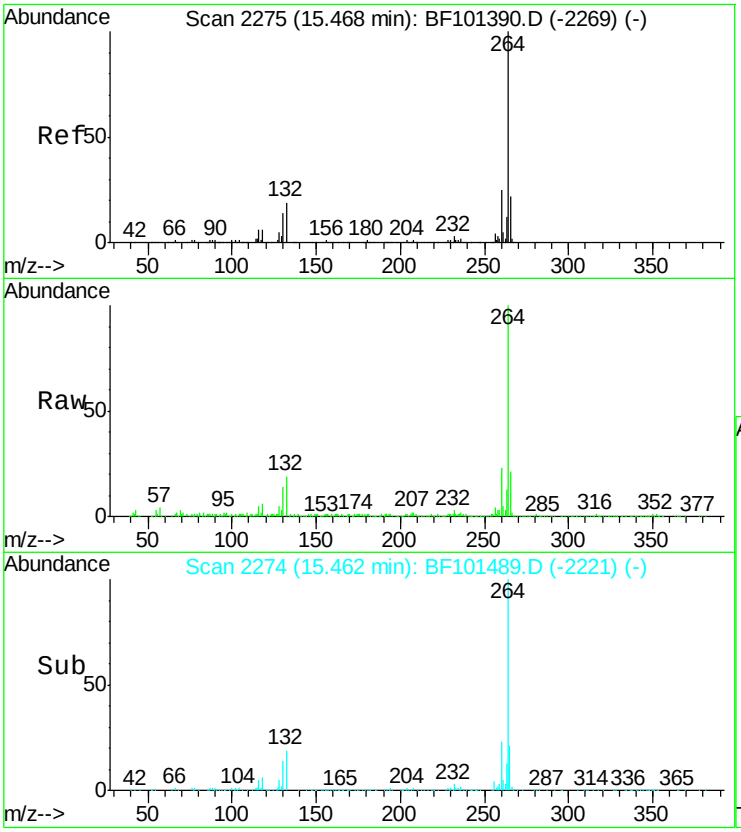




#82
Chrysene
Concen: 2.21 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:228 Resp: 40445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 25.0 | 37.6 |
| 229 | 21.0 | 16.2 | 24.4 |



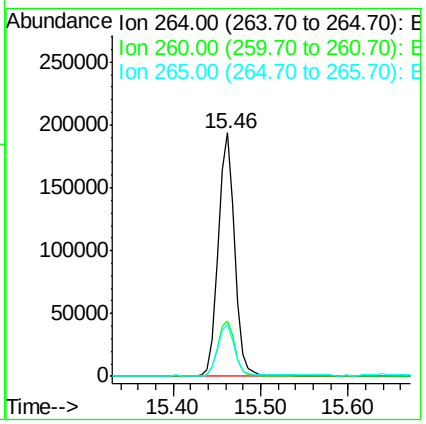


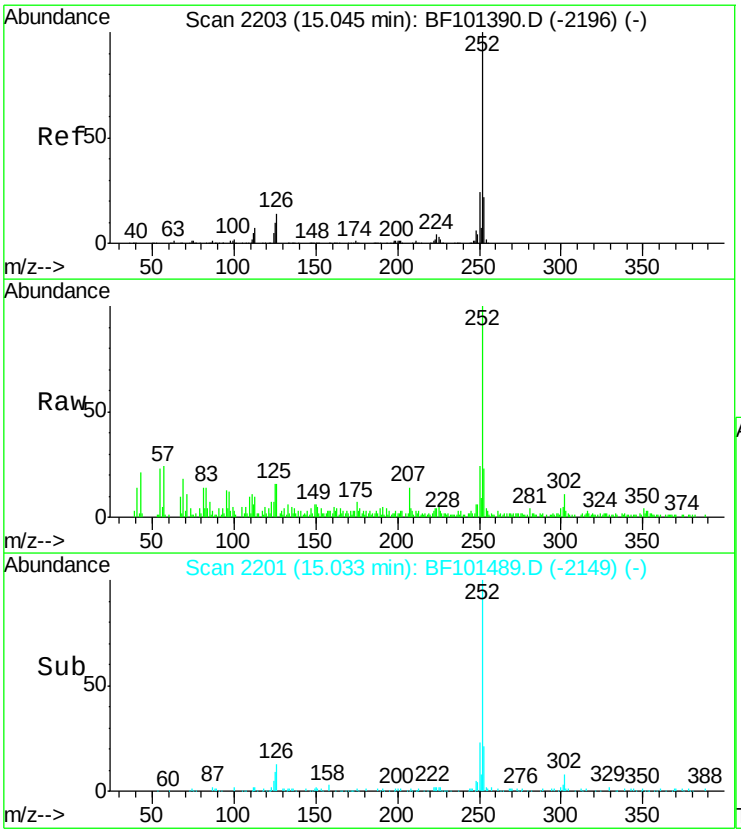

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:264 Resp: 254947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |

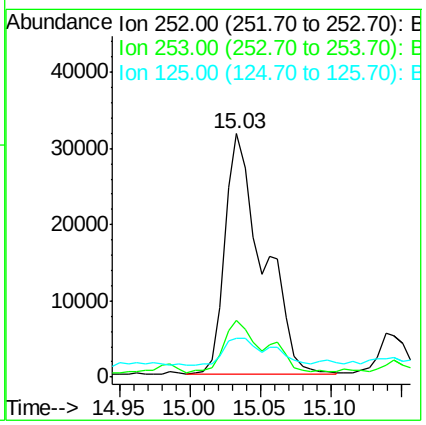


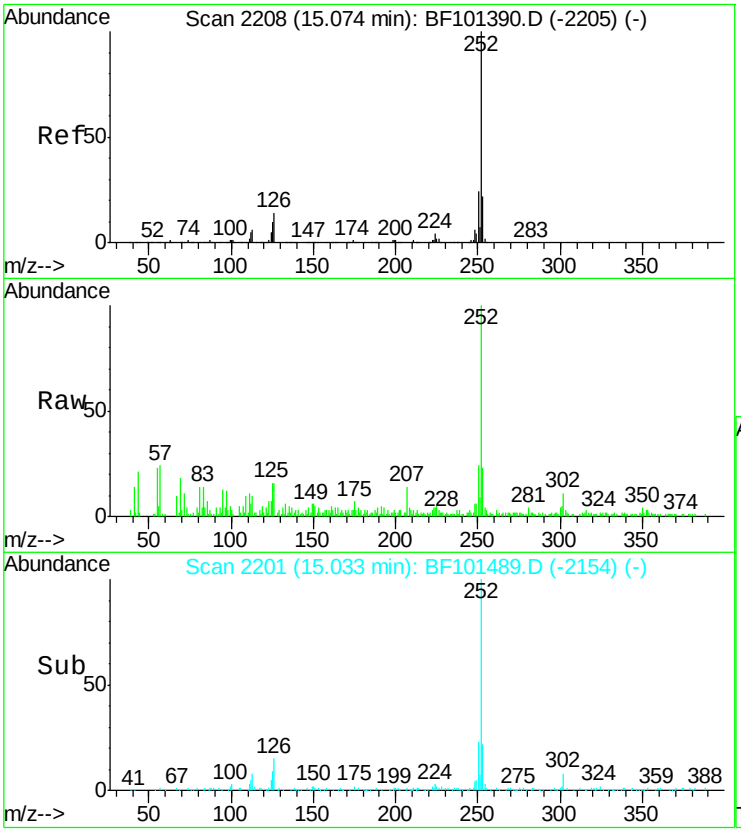




#87
Benzo(b)fluoranthene
Concen: 3.79 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:252 Resp: 58966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.0 | 25.6 |
| 125 | 15.7 | 9.0 | 13.6# |



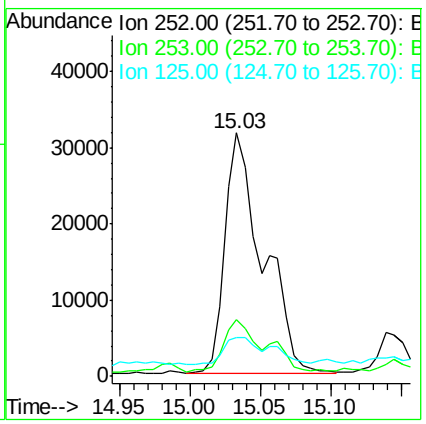


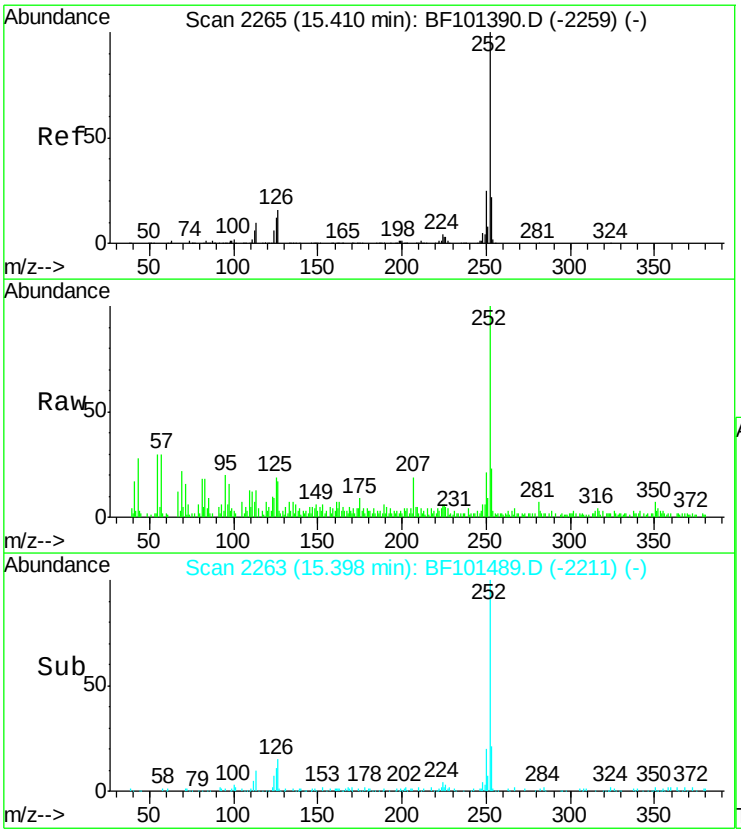

#88
Benzo(k)fluoranthene
Concen: 3.90 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

**Instrument :**
BNA_F
**ClientSampleId :**
7

Tgt Ion:252 Resp: 58947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.9 | 26.9 |
| 125 | 15.7 | 10.2 | 15.2# |




#89
Benzo(a)pyrene
Concen: 2.04 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF101489.D
Acq: 18 Dec 2017 19:09

Tgt Ion:252 Resp: 29217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.1 | 25.7 |
| 125 | 19.0 | 9.8 | 14.6# |