Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
Data File : BF107342.D
Acq On : 12 Jul 2018 16:42
Operator : JU/SJ
Sample : J3930-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NYS-RBR-200030

Quant Time: Jul 12 18:03:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 11 16:39:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 74002 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.21 | 136 | 285365 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 139861 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.48 | 188 | 247319 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.14 | 240 | 212089 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.68 | 264 | 230006 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 404555 | 92.57 | ng | | 0.00 |
| 7) Phenol-d6 | 6.58 | 99 | 511502 | 93.72 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 327911 | 63.86 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.78 | 330 | 149002 | 91.92 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 580911 | 67.22 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.06 | 244 | 565517 | 64.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.50 | 70 | 42292 | 11.756 | ng | # | 74 |
| 25) Isophorone | 7.50 | 82 | 327911 | 36.239 | ng | # | 64 |
| 49) Dimethylphthalate | 9.68 | 163 | 128788 | 12.278 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.98 | 165 | 17893 | 6.171 | ng | # | 21 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 8924 | 3.023 | ng | # | 1 |
| 70) Phenanthrene | 11.49 | 178 | 28316 | 2.374 | ng | | 98 |
| 74) Fluoranthene | 12.69 | 202 | 62128 | 4.725 | ng | | 96 |
| 77) Pyrene | 12.93 | 202 | 56162 | 4.016 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.12 | 228 | 33618 | 2.601 | ng | | 100 |
| 82) Chrysene | 14.16 | 228 | 36854 | 3.099 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 70360 | 4.924 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.22 | 252 | 70360 | 5.171 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 34809 | 2.741 | ng | | 98 |

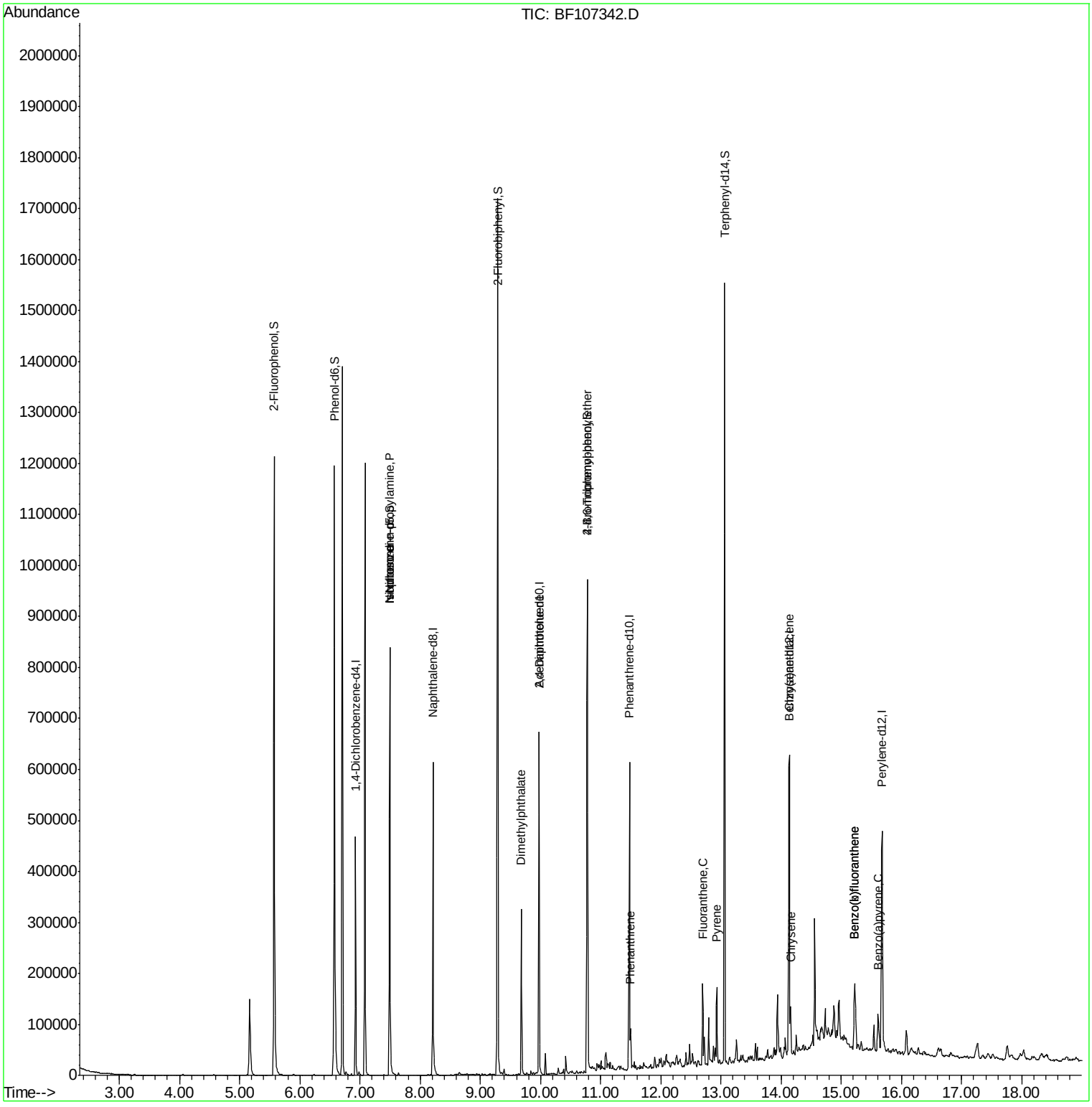
(#) = qualifier out of range (m) = manual integration (+) = signals summed

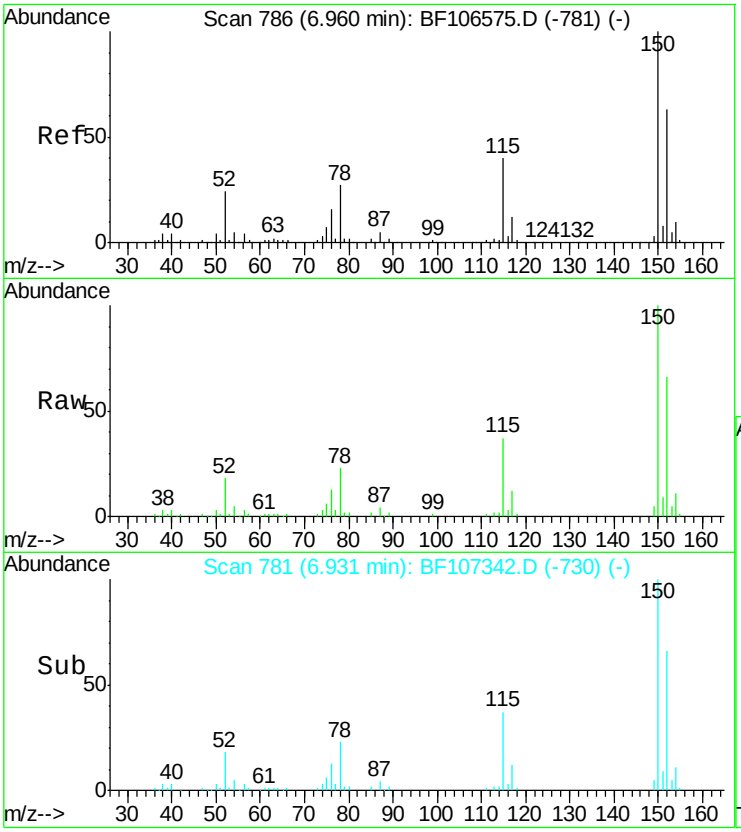
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
Data File : BF107342.D
Acq On : 12 Jul 2018 16:42
Operator : JU/SJ
Sample : J3930-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Quant Time: Jul 12 18:03:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 11 16:39:37 2018
Response via : Initial Calibration



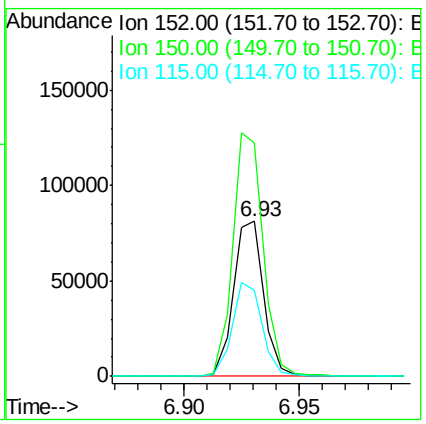


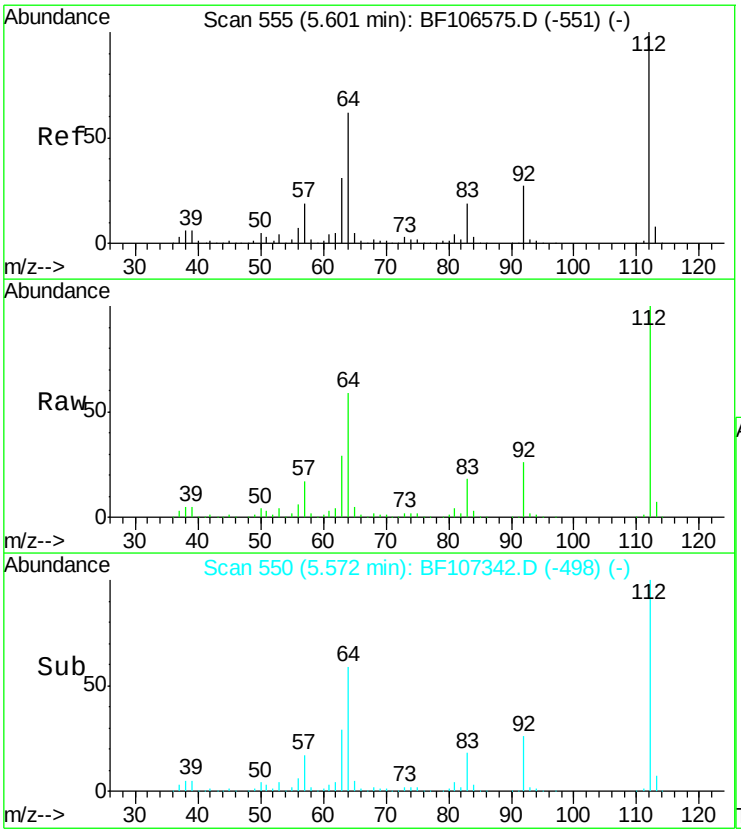

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:152 Resp: 74002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 124.6 | 186.8 |
| 115 | 55.8 | 50.1 | 75.1 |

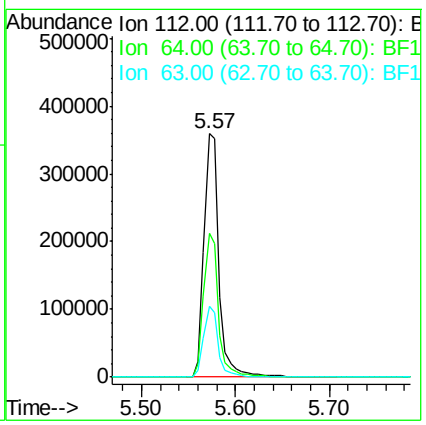


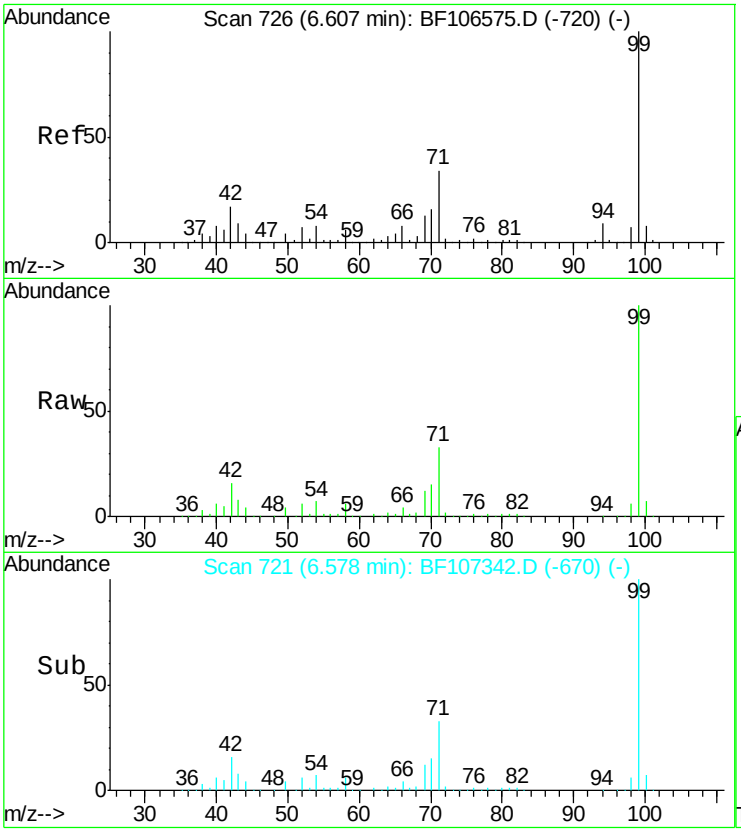




#5
2-Fluorophenol
Concen: 92.570 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:112 Resp: 404555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.1 | 47.9 | 71.9 |
| 63 | 29.2 | 23.7 | 35.5 |



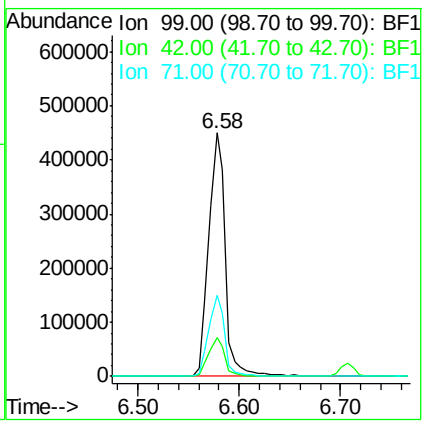


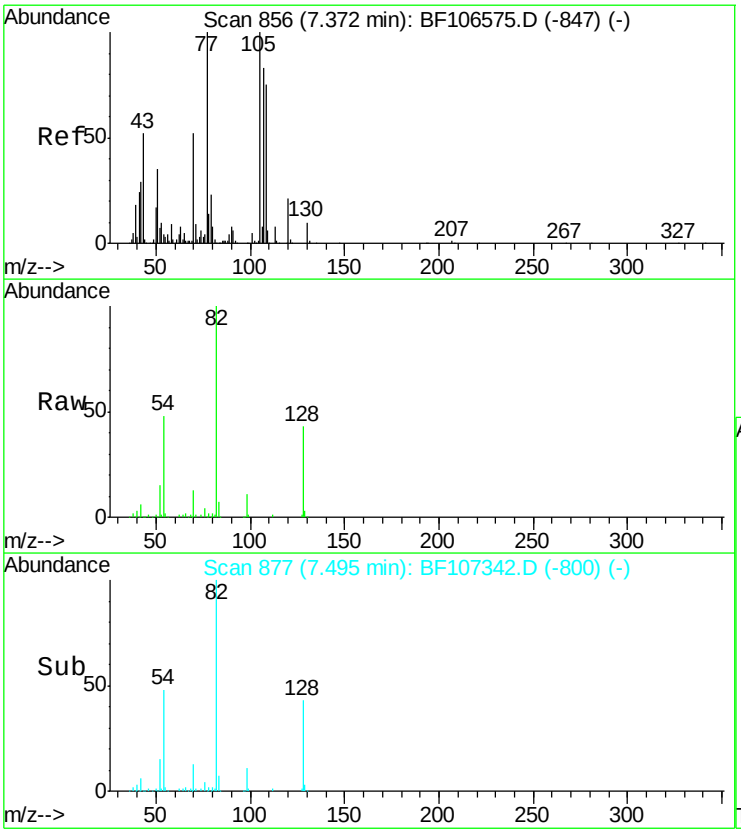

#7
Phenol-d6
Concen: 93.723 ng
RT: 6.58 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion: 99 Resp: 511502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.2 | 14.5 | 21.7 |
| 71 | 33.5 | 25.4 | 38.0 |

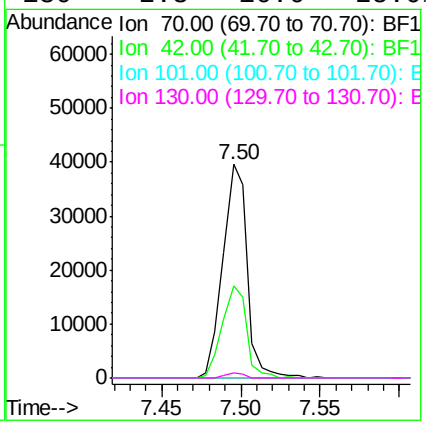


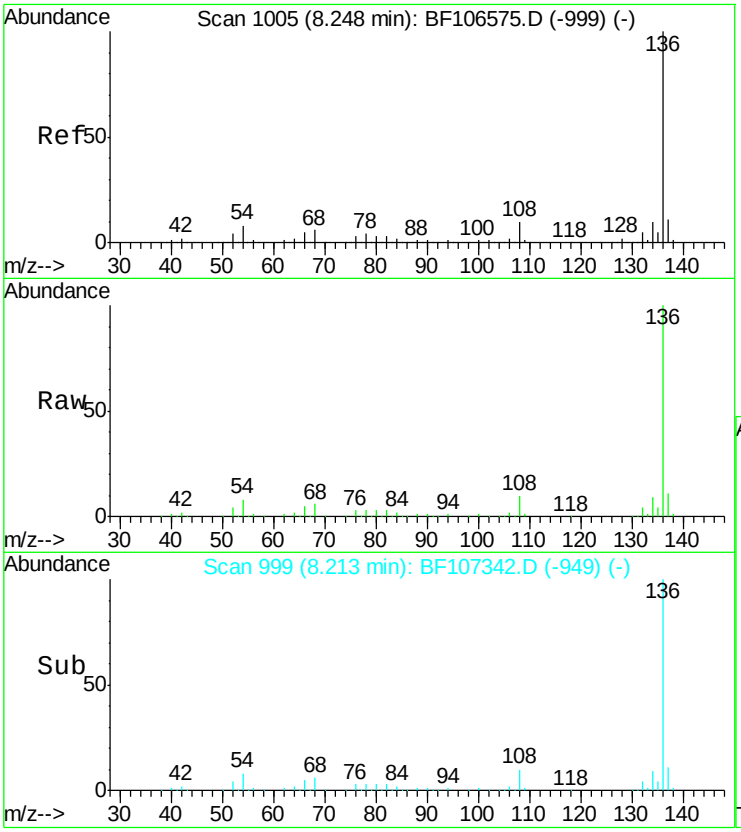




#19
n-Nitroso-di-n-propylamine
Concen: 11.756 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.15 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion: 70 Resp: 42292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.2 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |



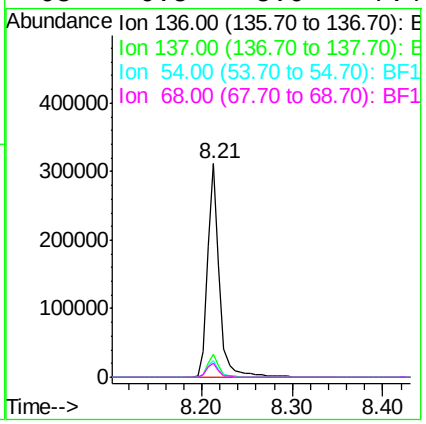


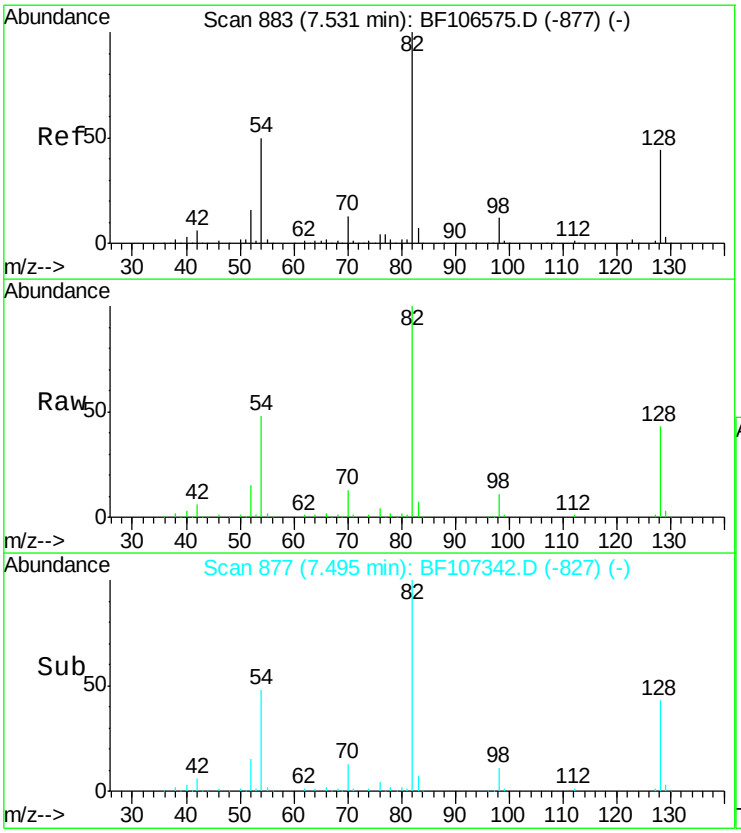

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:136 Resp: 285365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 6.5 | 5.0 | 7.4 |

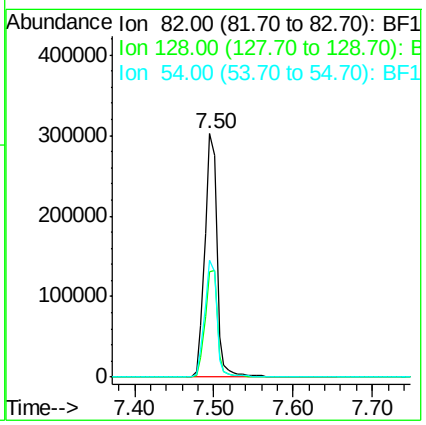


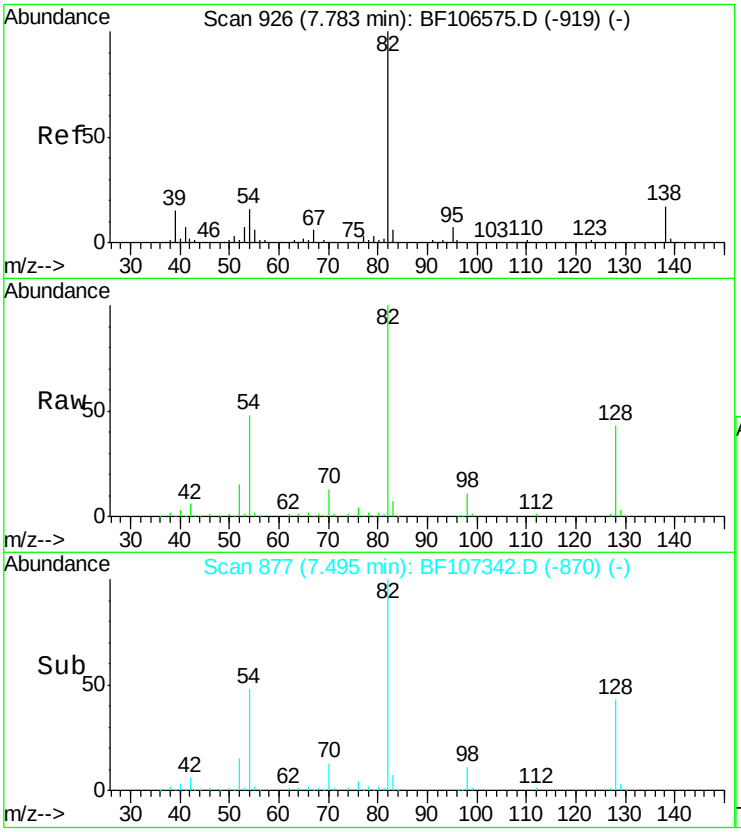




#23
Nitrobenzene-d5
Concen: 63.859 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion: 82 Resp: 327911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 36.1 | 54.1 |
| 54 | 48.2 | 41.4 | 62.2 |



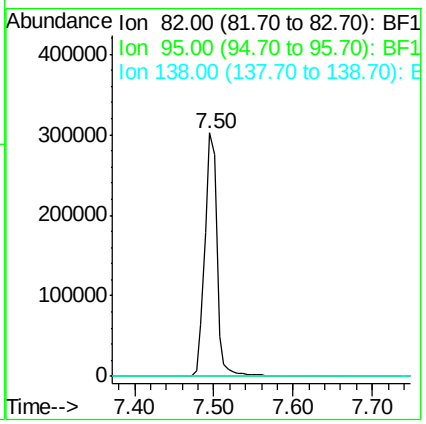


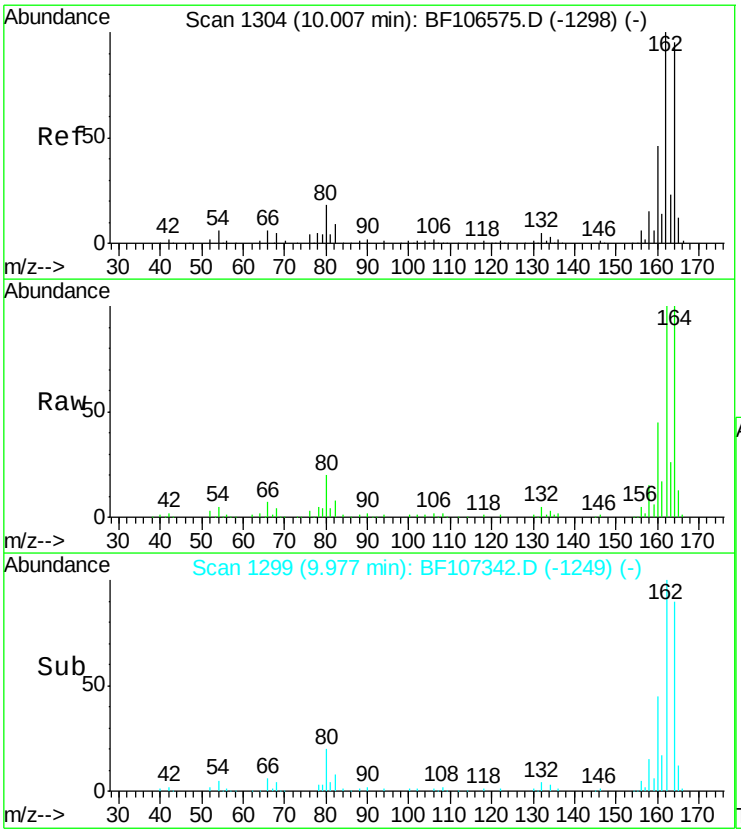

#25
Isophorone
Concen: 36.239 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.26 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion: 82 Resp: 327911

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

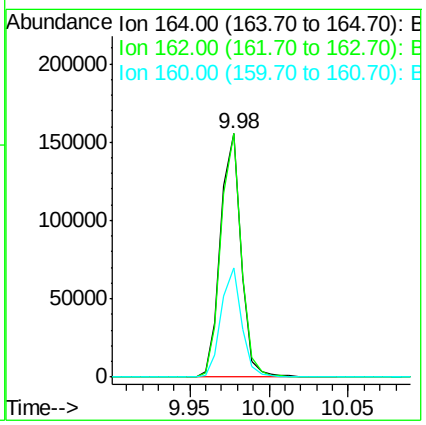


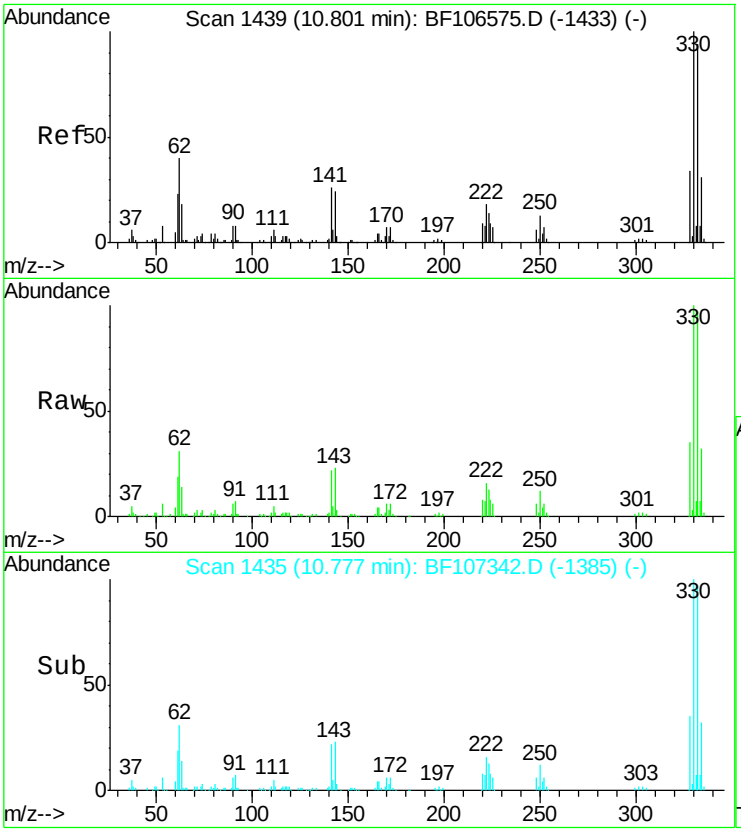




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:164 Resp: 139861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 86.1 | 129.1 |
| 160 | 44.9 | 38.3 | 57.5 |



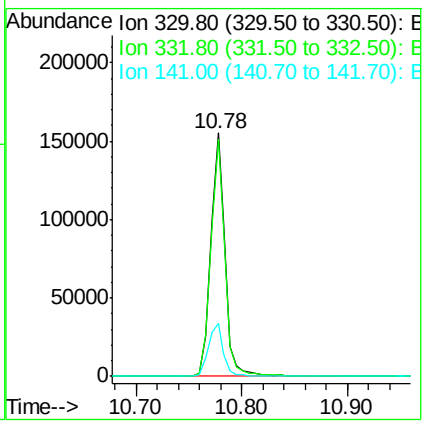


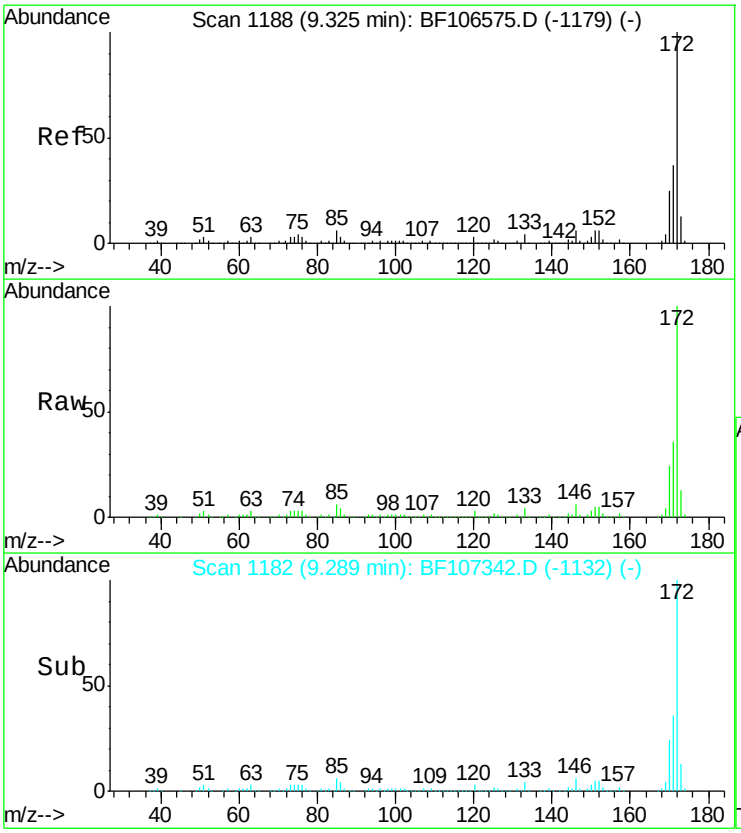

#41
2,4,6-Tribromophenol
Concen: 91.918 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:330 Resp: 149002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.0 | 115.6 |
| 141 | 22.9 | 29.9 | 44.9# |

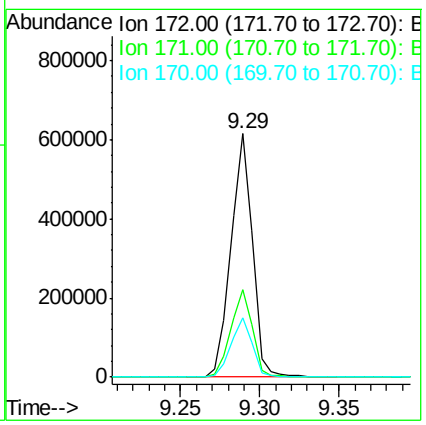


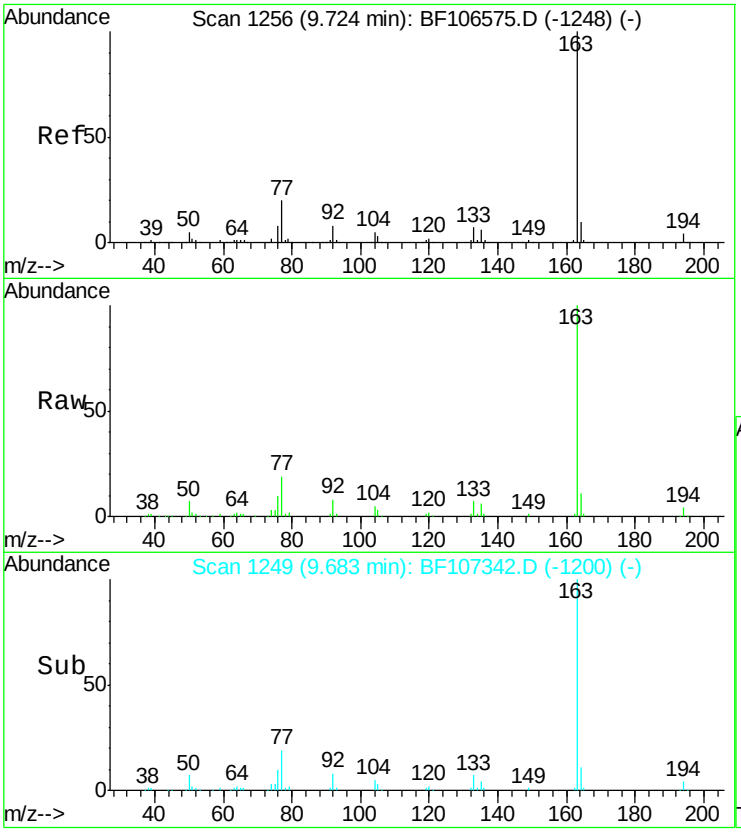




#44
2-Fluorobiphenyl
Concen: 67.217 ng
RT: 9.29 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:172 Resp: 580911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 29.7 | 44.5 |
| 170 | 24.3 | 19.6 | 29.4 |



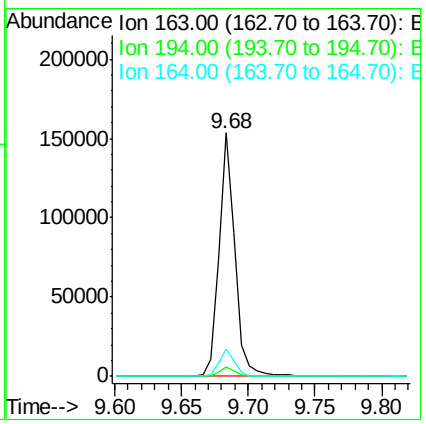


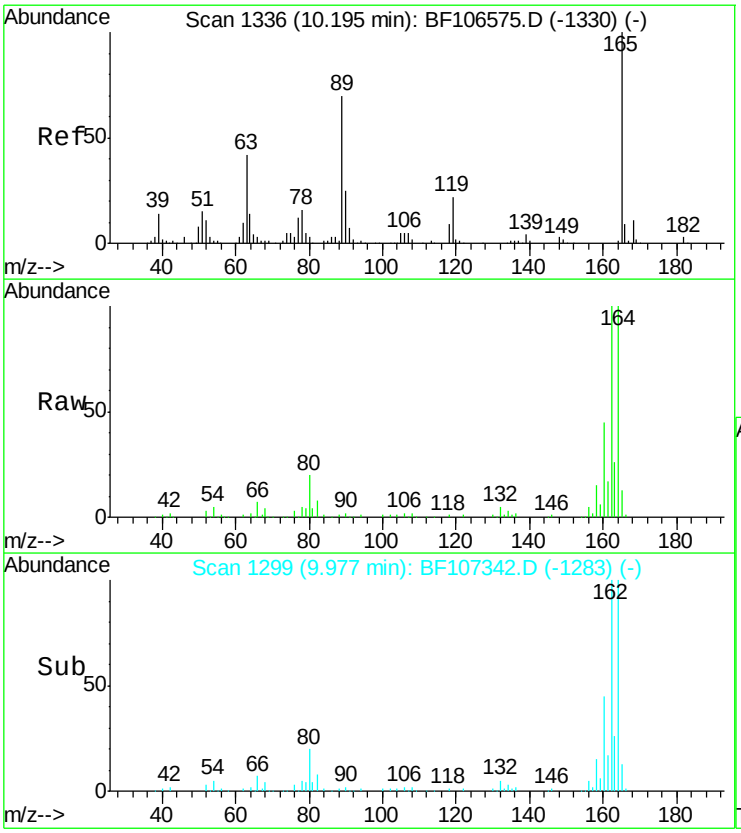

#49
Dimethylphthalate
Concen: 12.278 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:163 Resp: 128788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 2.7 | 4.1 |
| 164 | 11.1 | 8.2 | 12.2 |

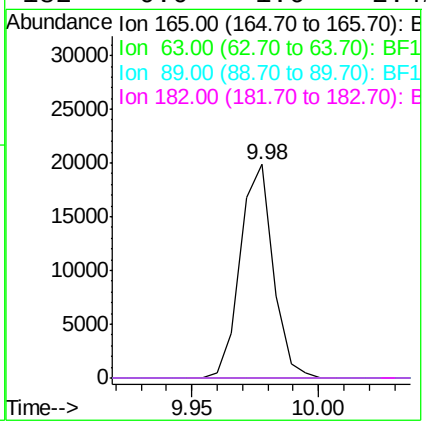


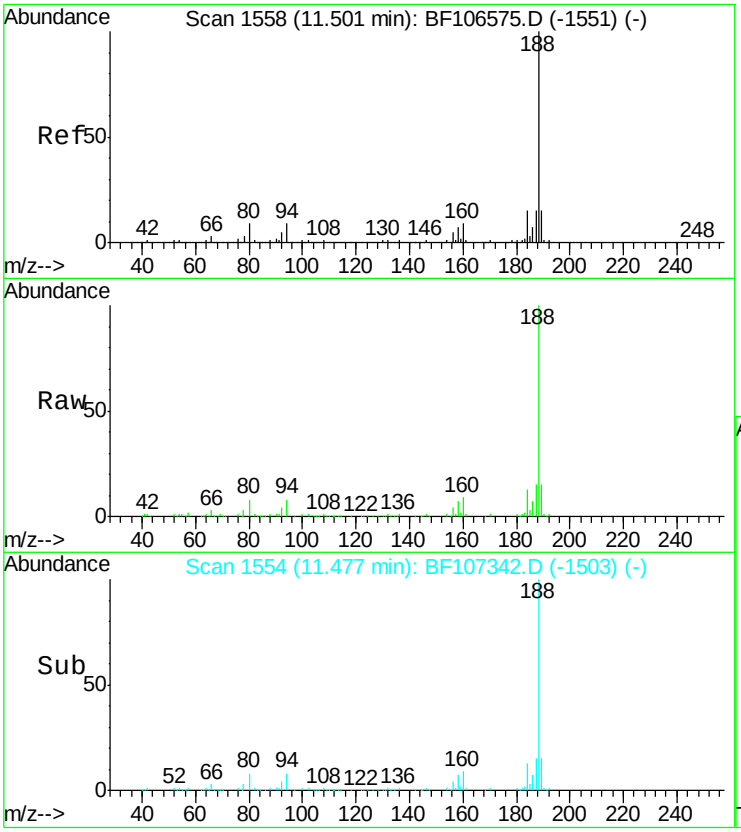




#56
2,4-Dinitrotoluene
Concen: 6.171 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:165 Resp: 17893

| 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# |



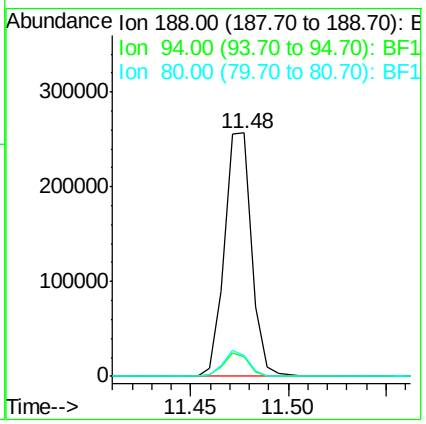


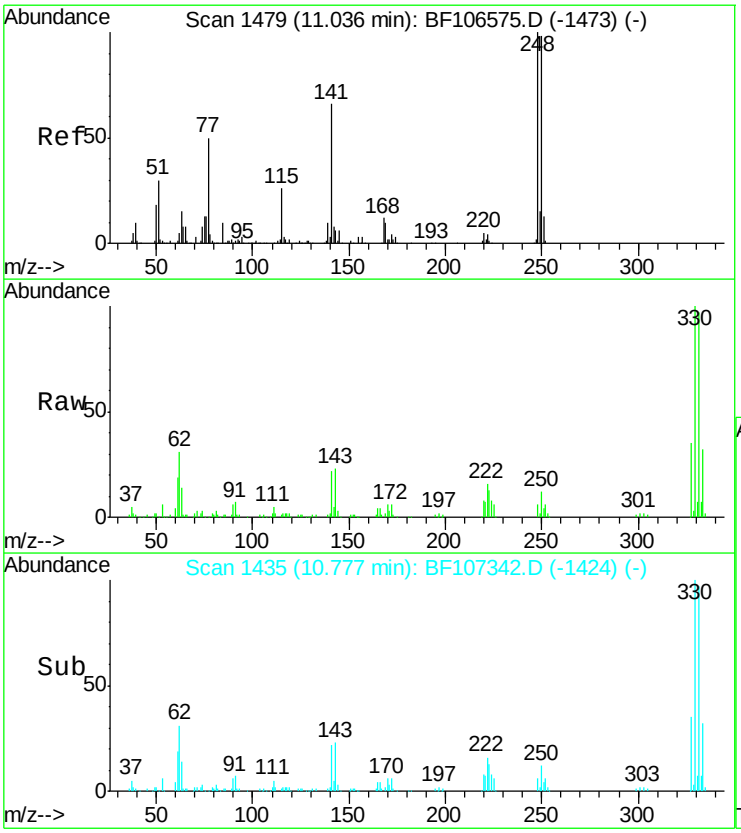

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:188 Resp: 247319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.9 | 8.5 | 12.7# |
| 80 | 8.5 | 9.2 | 13.8# |

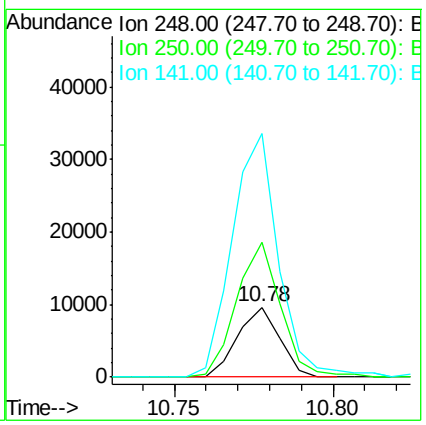


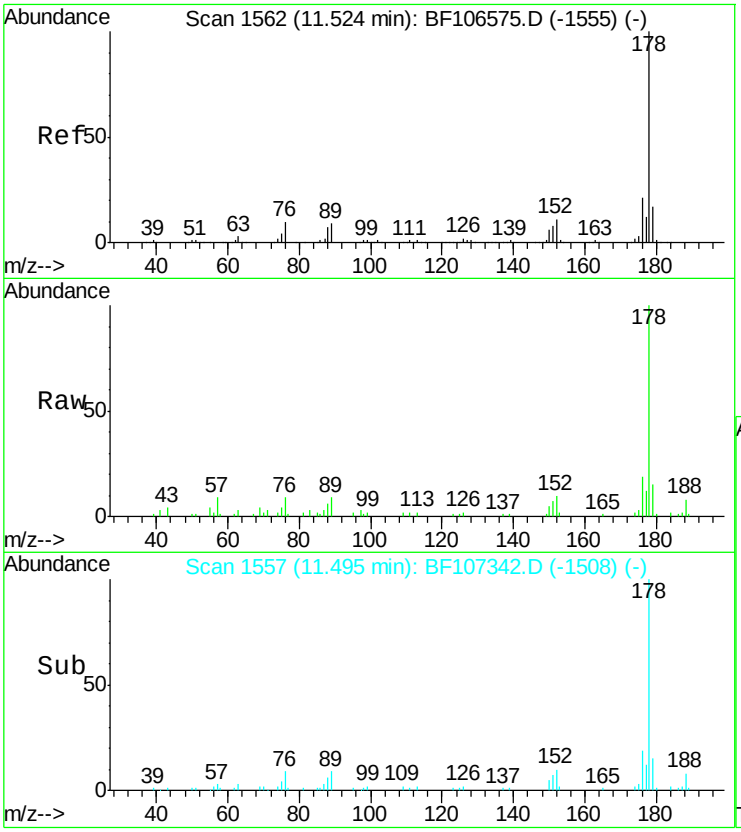




#66
4-Bromophenyl-phenylether
Concen: 3.023 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:248 Resp: 8924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.9 | 76.9 | 115.3# |
| 141 | 347.2 | 74.4 | 111.6# |



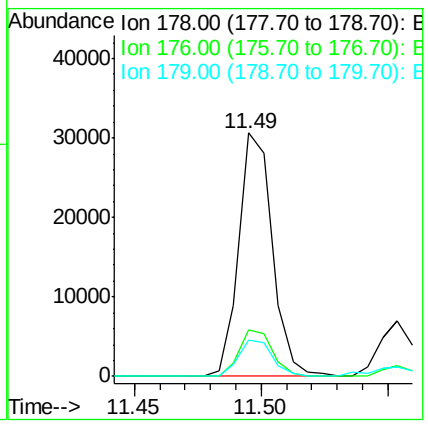


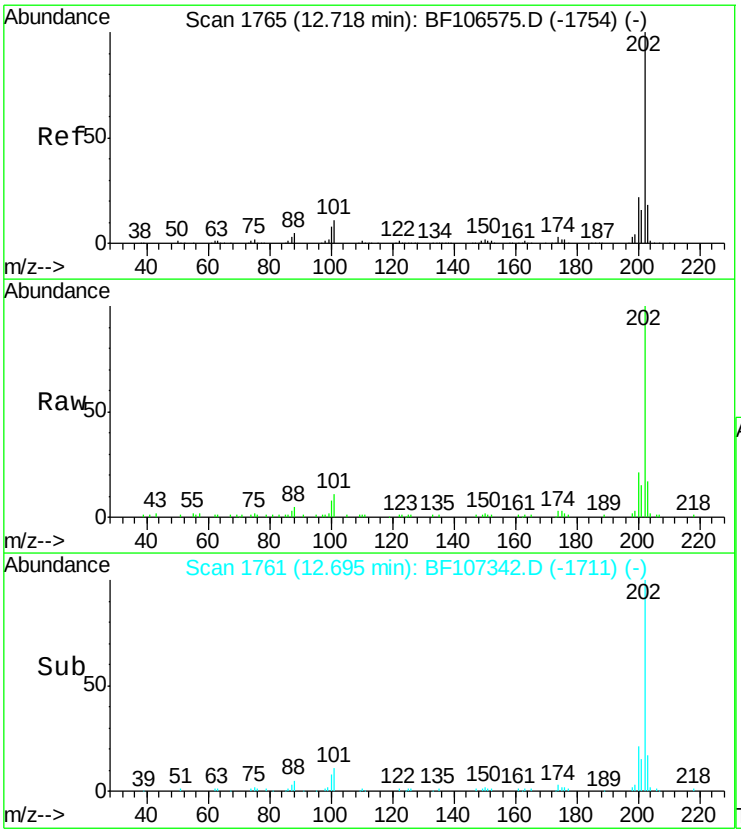

#70
Phenanthrene
Concen: 2.374 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:178 Resp: 28316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.8 | 23.8 |
| 179 | 15.0 | 13.0 | 19.6 |

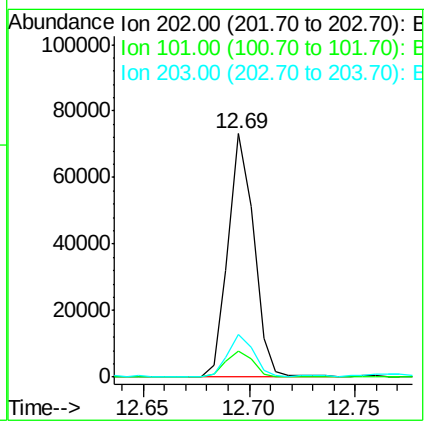


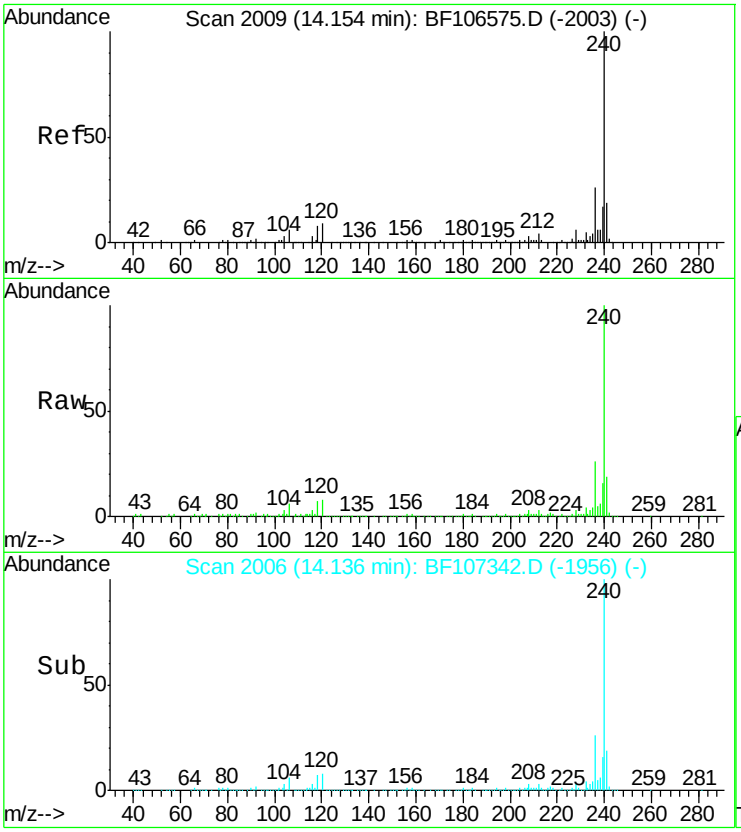




#74
Fluoranthene
Concen: 4.725 ng
RT: 12.69 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:202 Resp: 62128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.9 | 0.0 | 34.1 |
| 203 | 17.5 | 0.0 | 38.1 |



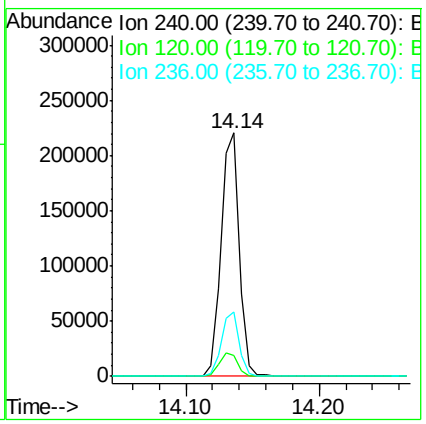


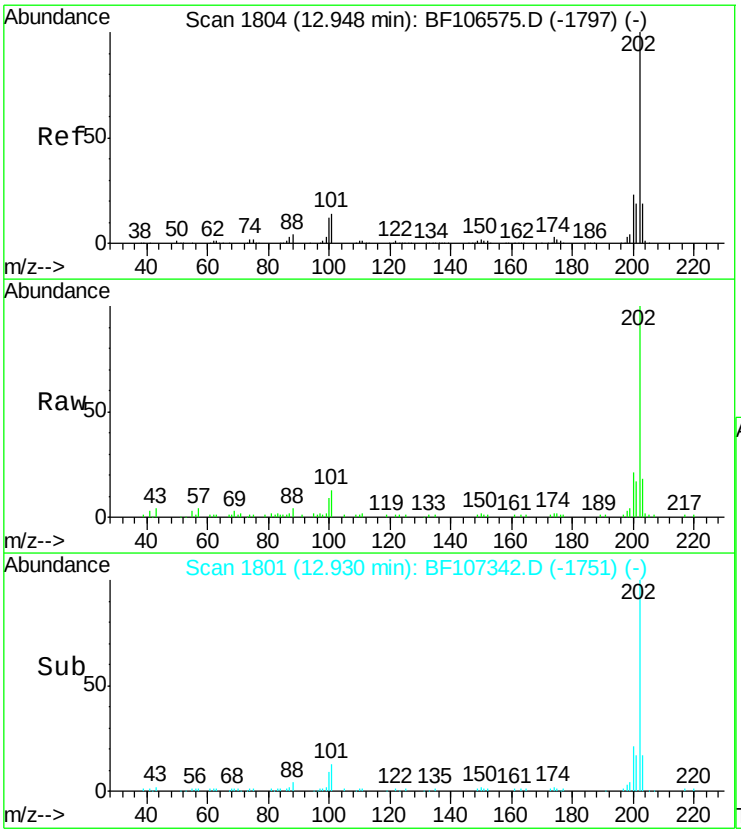

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:240 Resp: 212089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 9.5 | 14.3# |
| 236 | 26.5 | 20.7 | 31.1 |

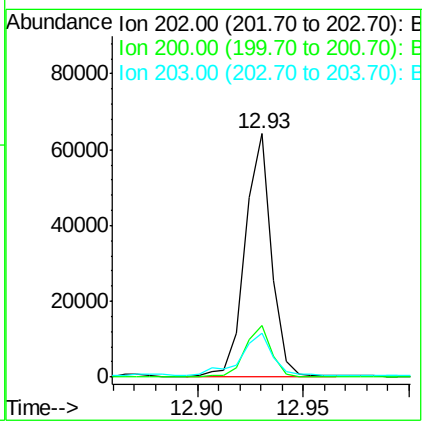


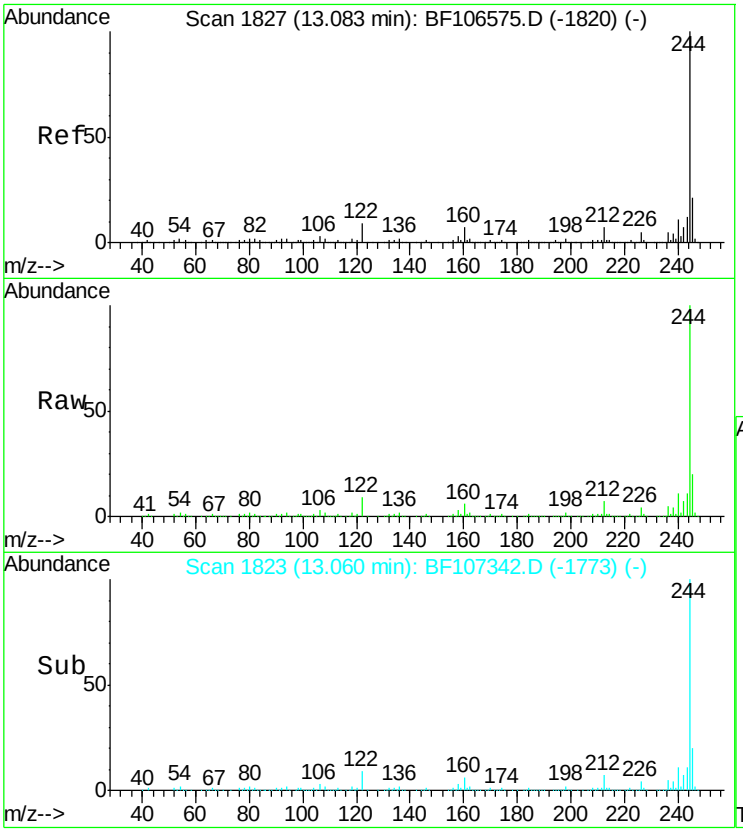




#77
Pyrene
Concen: 4.016 ng
RT: 12.93 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:202 Resp: 56162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.4 | 26.2 |
| 203 | 18.0 | 14.3 | 21.5 |



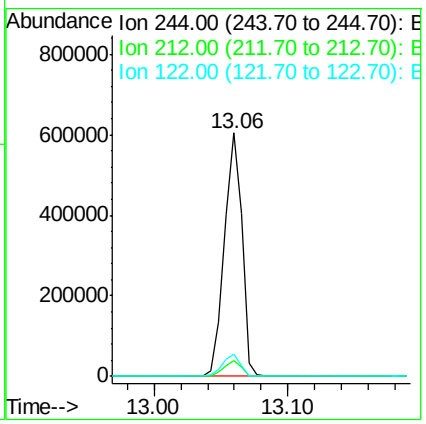


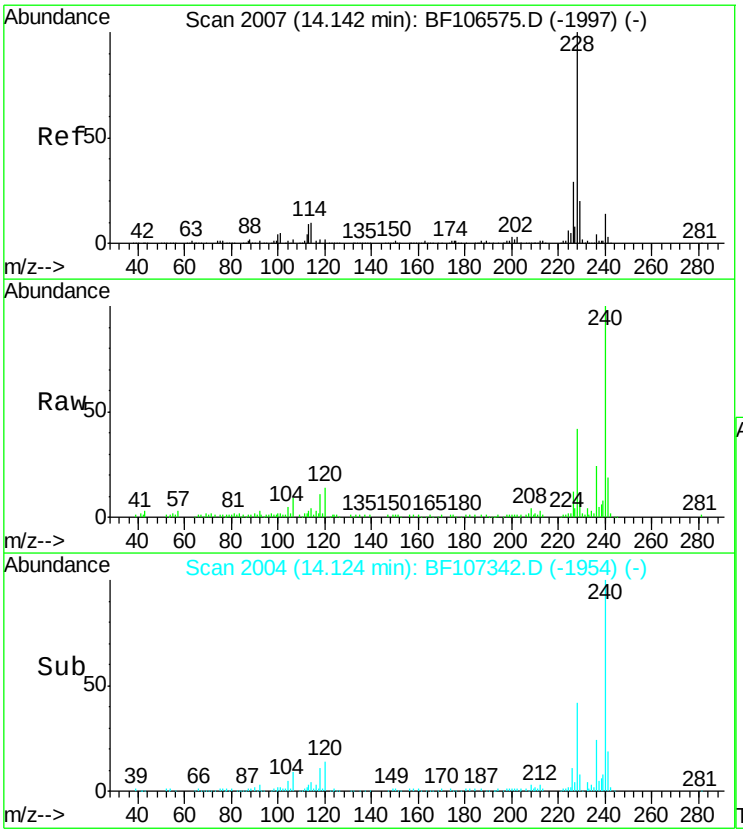

#78
Terphenyl-d14
Concen: 64.588 ng
RT: 13.06 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:244 Resp: 565517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 9.2 | 11.0 | 16.4# |

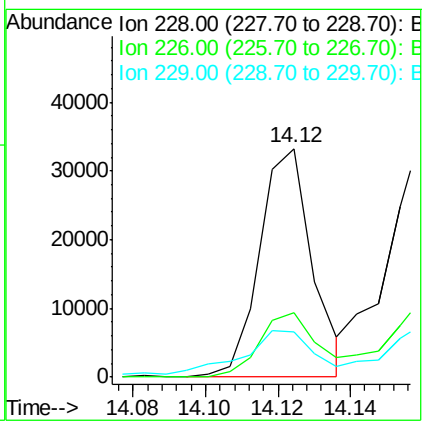


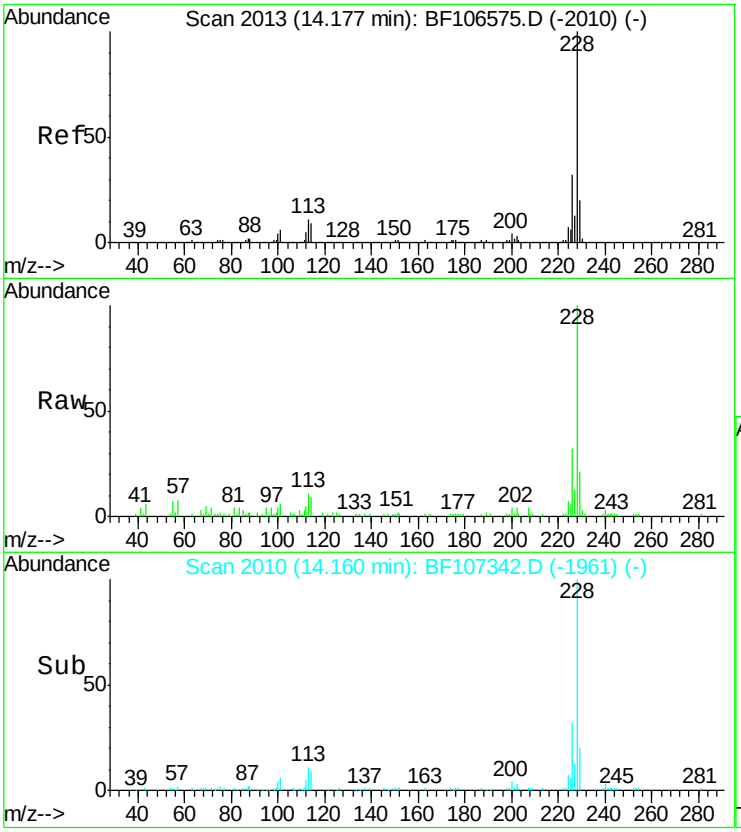




#80
Benzo(a)anthracene
Concen: 2.601 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:228 Resp: 33618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 22.6 | 33.8 |
| 229 | 20.0 | 15.8 | 23.6 |



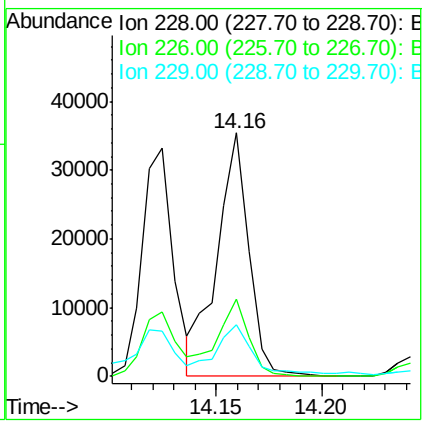


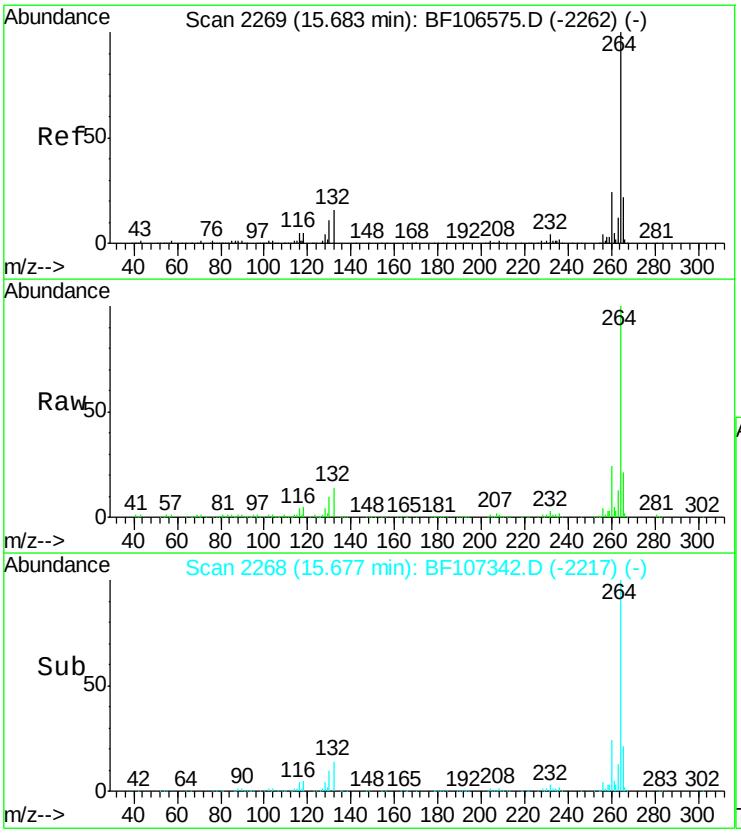

#82
Chrysene
Concen: 3.099 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:228 Resp: 36854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 25.0 | 37.6 |
| 229 | 21.3 | 16.2 | 24.4 |

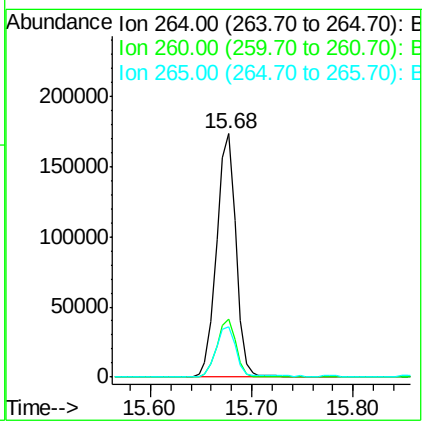


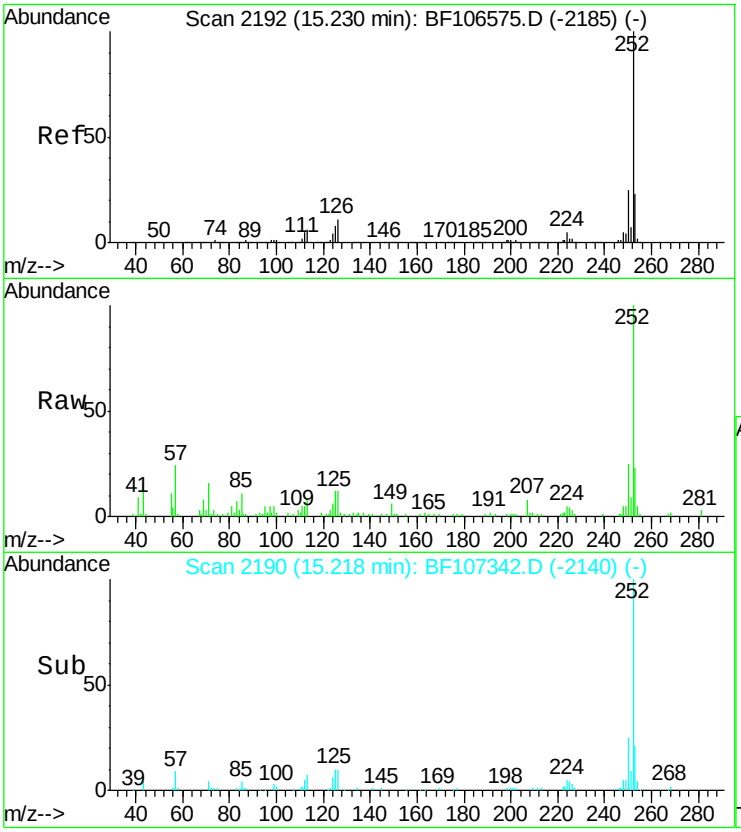




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:264 Resp: 230006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 20.6 | 17.5 | 26.3 |



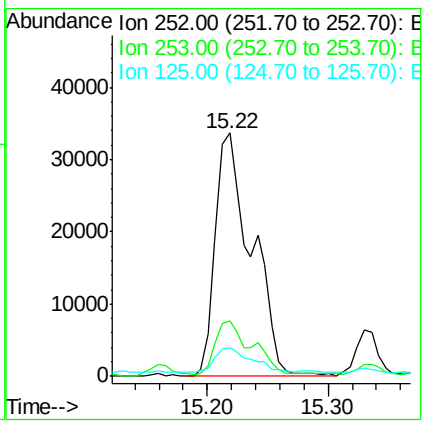


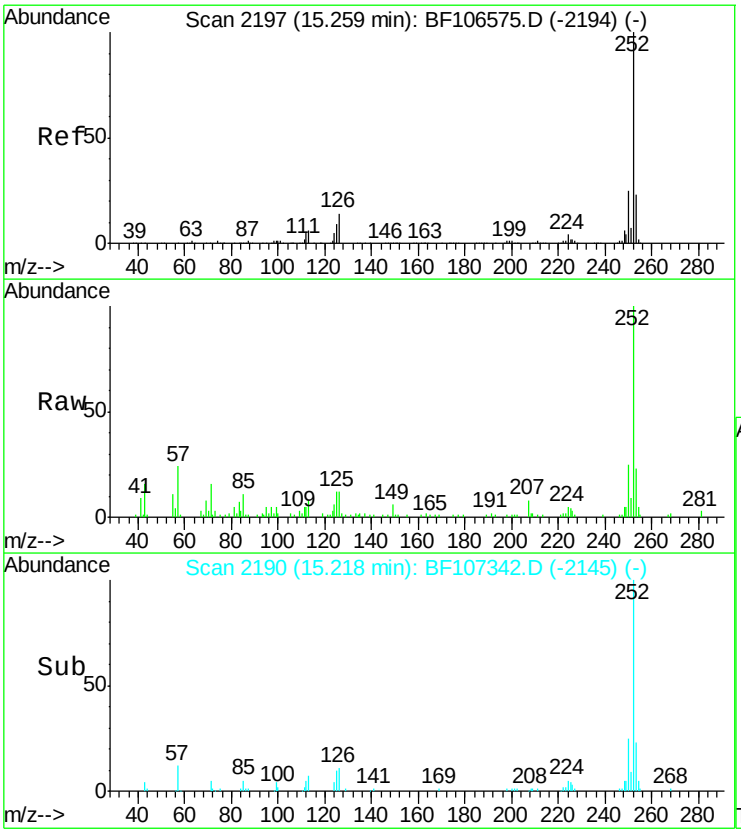

#87
Benzo(b)fluoranthene
Concen: 4.924 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:252 Resp: 70360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.0 | 25.6 |
| 125 | 11.9 | 9.0 | 13.6 |

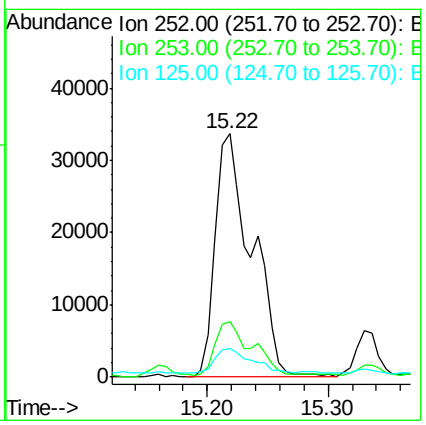


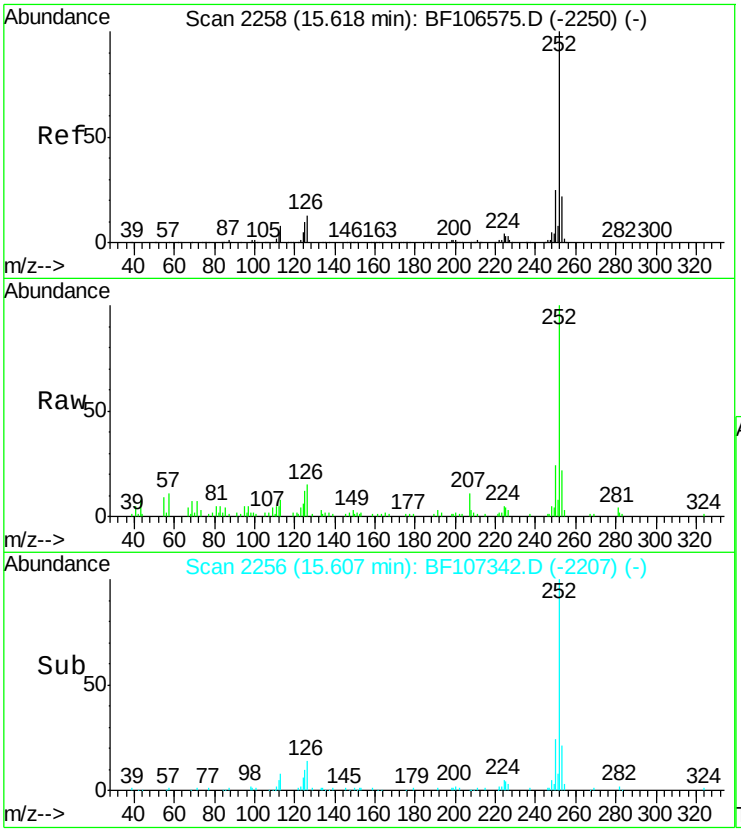




#88
Benzo(k)fluoranthene
Concen: 5.171 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

Tgt Ion:252 Resp: 70360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.9 | 26.9 |
| 125 | 11.9 | 10.2 | 15.2 |






#89
Benzo(a)pyrene
Concen: 2.741 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF107342.D
Acq: 12 Jul 2018 16:42

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR-200030

Tgt Ion:252 Resp: 34809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.1 | 25.7 |
| 125 | 11.5 | 9.8 | 14.6 |