Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
Data File : BF101732.D
Acq On : 26 Dec 2017 23:47
Operator : SJ/JU
Sample : I6957-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HALSTED-NWRE

Quant Time: Dec 27 04:59:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 150676 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 534735 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 201960 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 341568 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 341244 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 299764 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng | | |
| 7) Phenol-d6 | 6.47 | 99 | 976 | 0.08 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 619328 | 64.47 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng | | |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 993568 | 76.32 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 822039 | 58.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 82158 | 9.938 | ng | # | 82 |
| 49) Dimethylphthalate | 9.55 | 163 | 64315 | 3.959 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.83 | 165 | 25518 | 6.860 | ng | # | 24 |
| 70) Phenanthrene | 11.34 | 178 | 44187 | 2.326 | ng | | 99 |
| 71) Anthracene | 11.34 | 178 | 44187 | 2.277 | ng | | 98 |
| 74) Fluoranthene | 12.54 | 202 | 48930 | 2.454 | ng | | 98 |
| 77) Pyrene | 12.77 | 202 | 52719 | 2.059 | ng | | 98 |

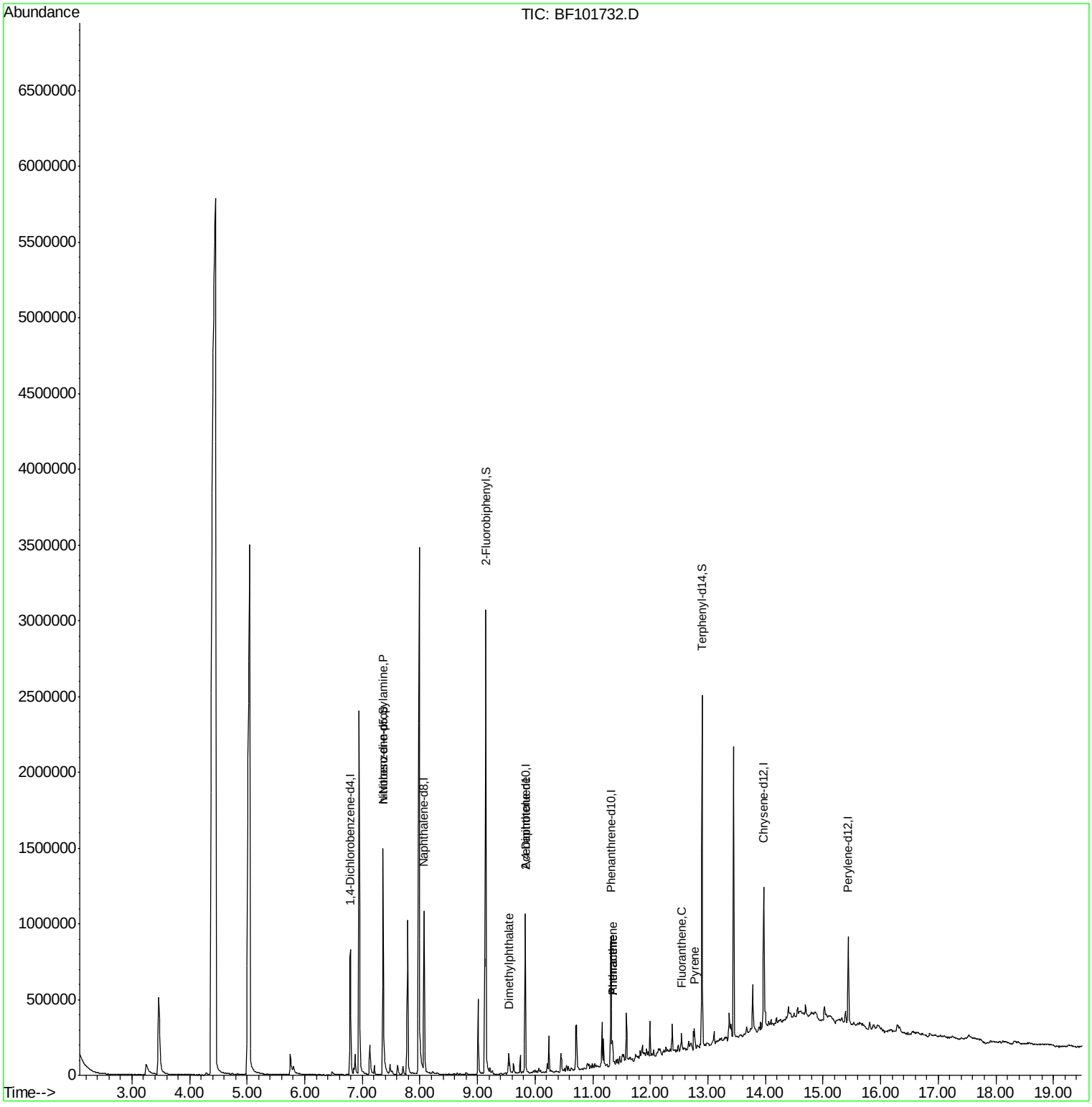
(#) = qualifier out of range (m) = manual integration (+) = signals summed

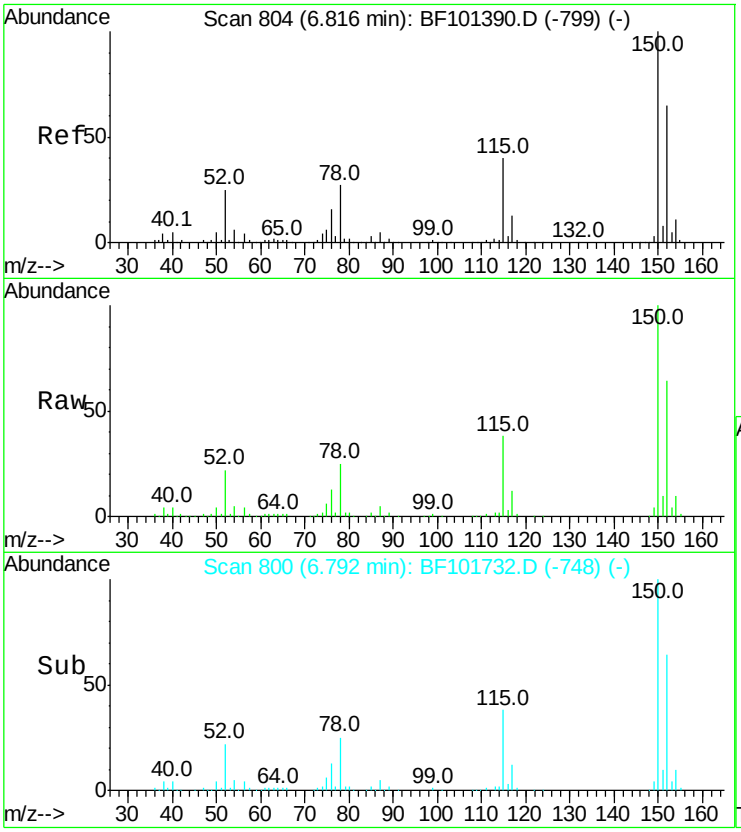
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
Data File : BF101732.D
Acq On : 26 Dec 2017 23:47
Operator : SJ/JU
Sample : I6957-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Quant Time: Dec 27 04:59:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration



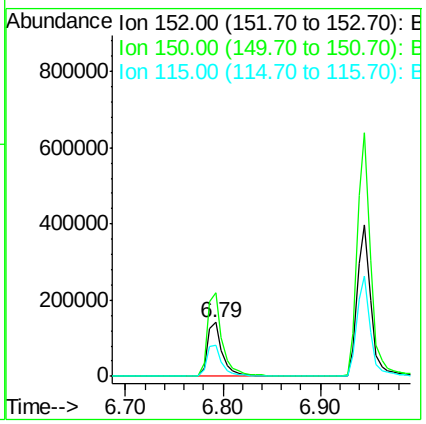


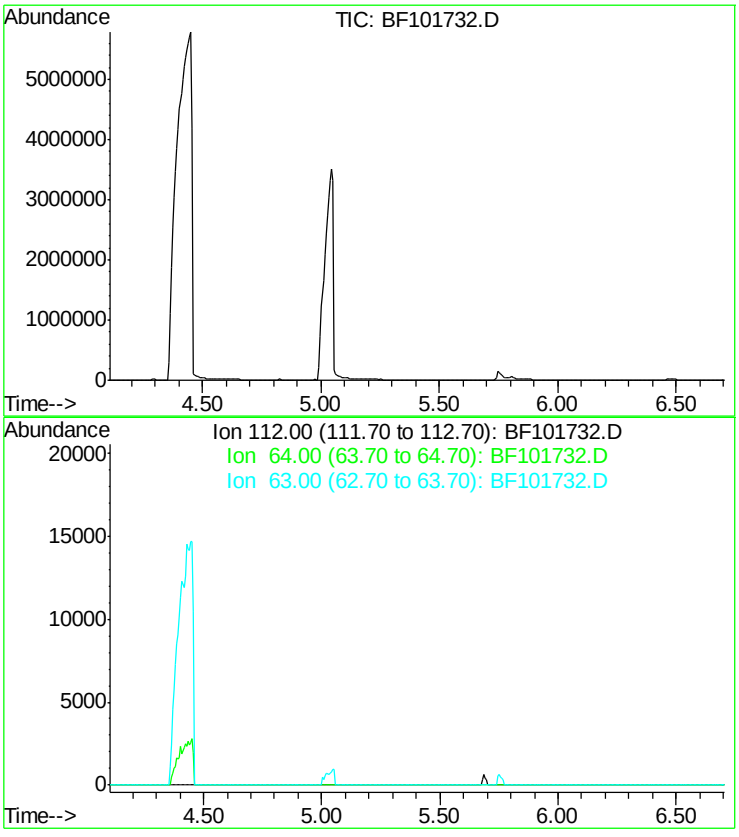

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:152 Resp: 150676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 124.6 | 186.8 |
| 115 | 59.1 | 50.1 | 75.1 |



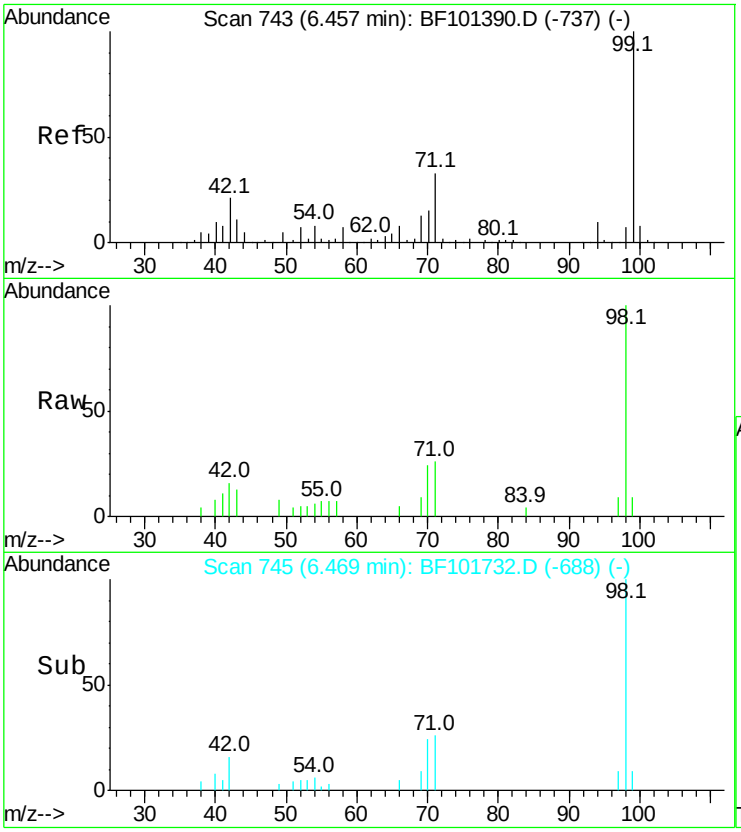




#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 59.9 |
| 63 | 29.6 |

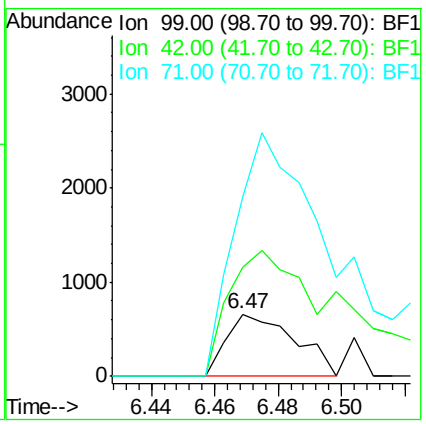


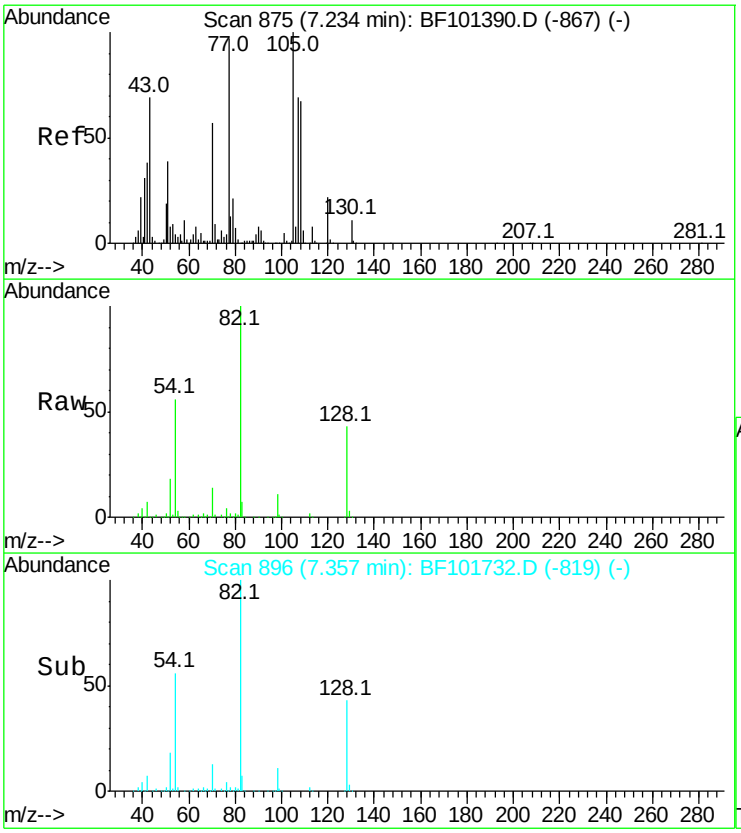

#7
Phenol-d6
Concen: 0.078 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.04 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion: 99 Resp: 976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 175.6 | 14.5 | 21.7# |
| 71 | 291.0 | 25.4 | 38.0# |

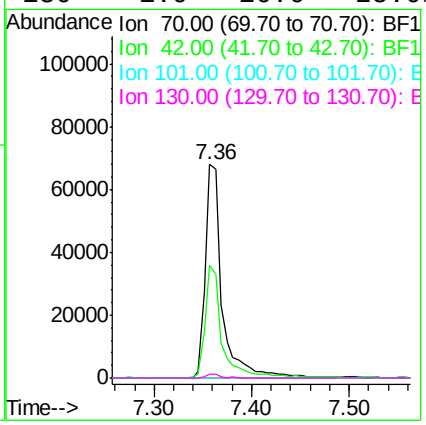


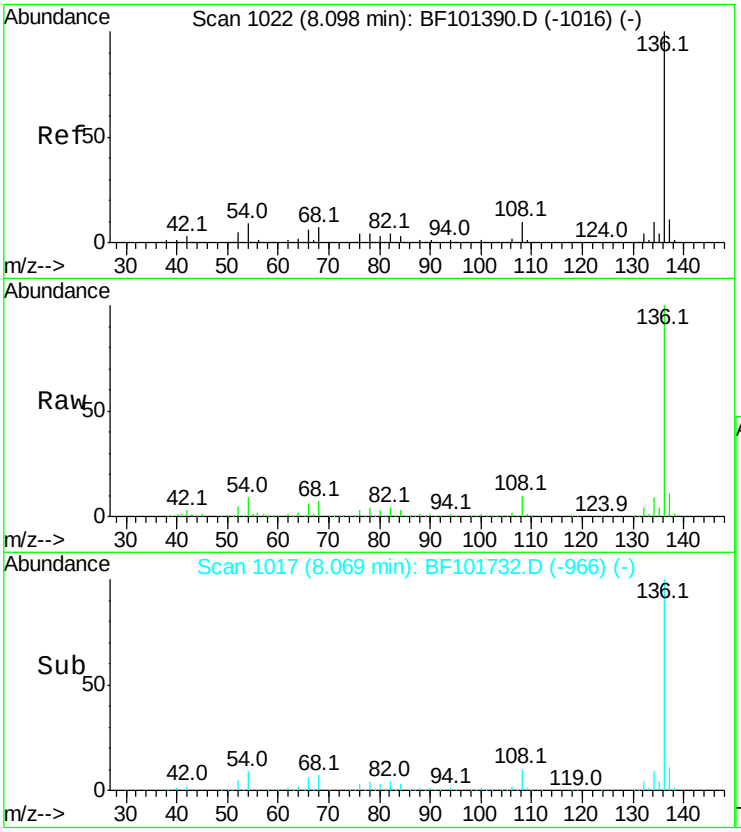




#19
n-Nitroso-di-n-propylamine
Concen: 9.938 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion: 70 Resp: 82158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.5 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 16.6 | 25.0# |



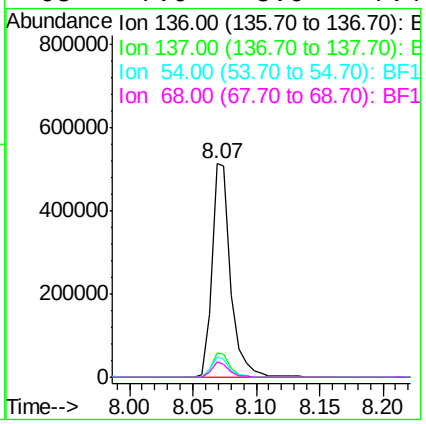


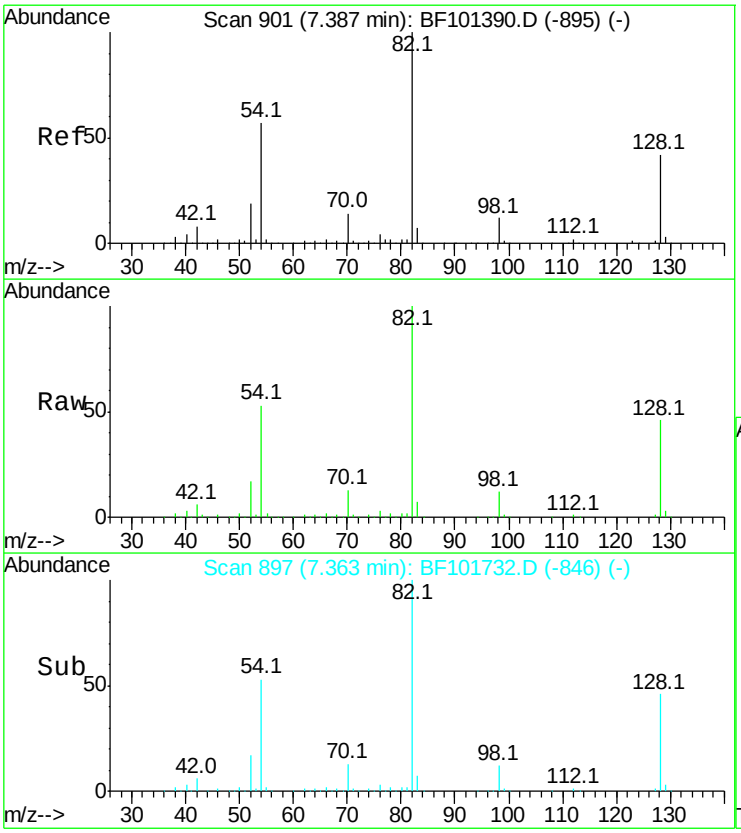

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:136 Resp: 534735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.9 | 13.3 |
| 54 | 9.3 | 6.6 | 9.8 |
| 68 | 7.0 | 5.0 | 7.4 |

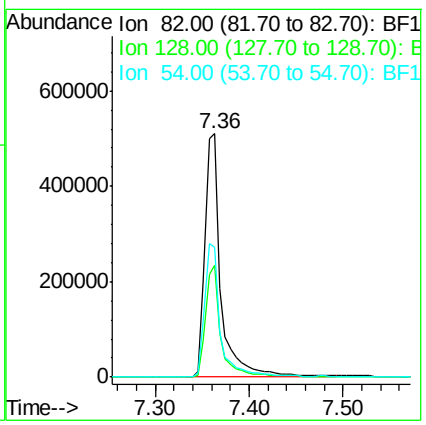


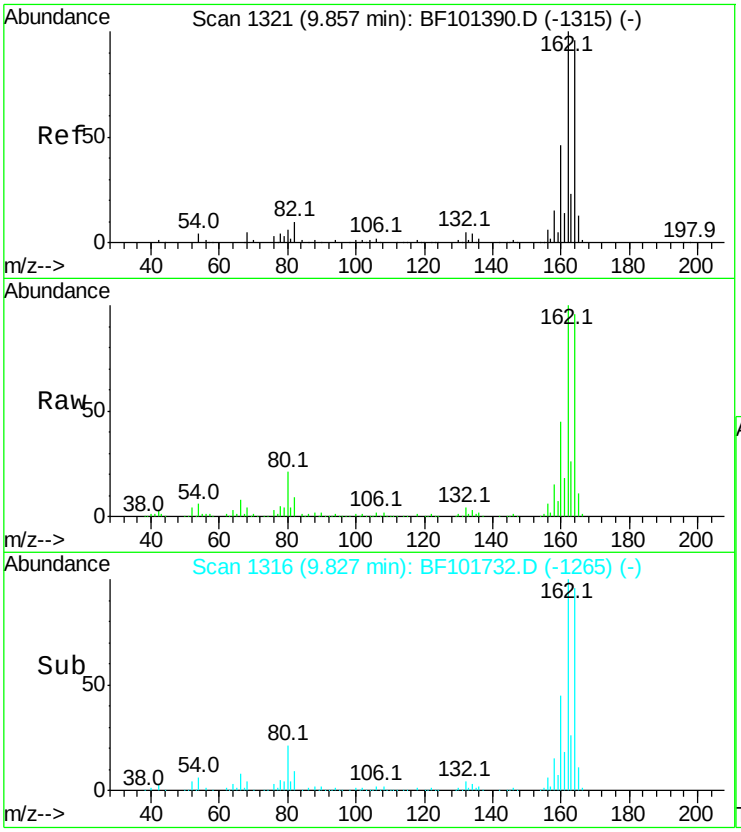




#23
Nitrobenzene-d5
Concen: 64.472 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion: 82 Resp: 619328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.0 | 36.1 | 54.1 |
| 54 | 53.3 | 41.4 | 62.2 |

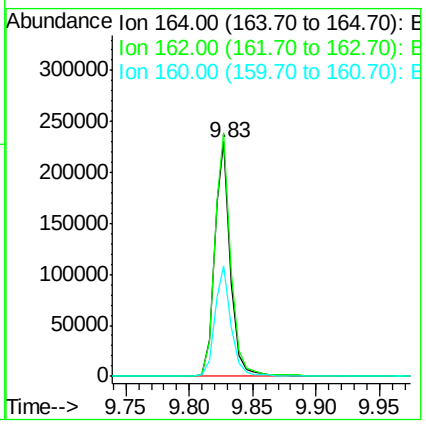




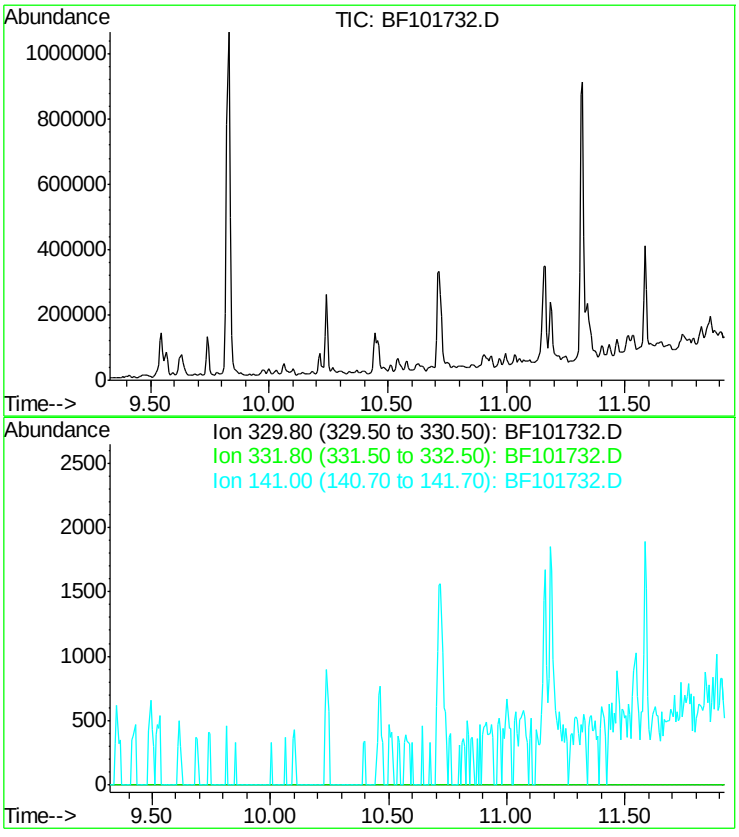

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:164 Resp: 201960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 86.1 | 129.1 |
| 160 | 46.9 | 38.3 | 57.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

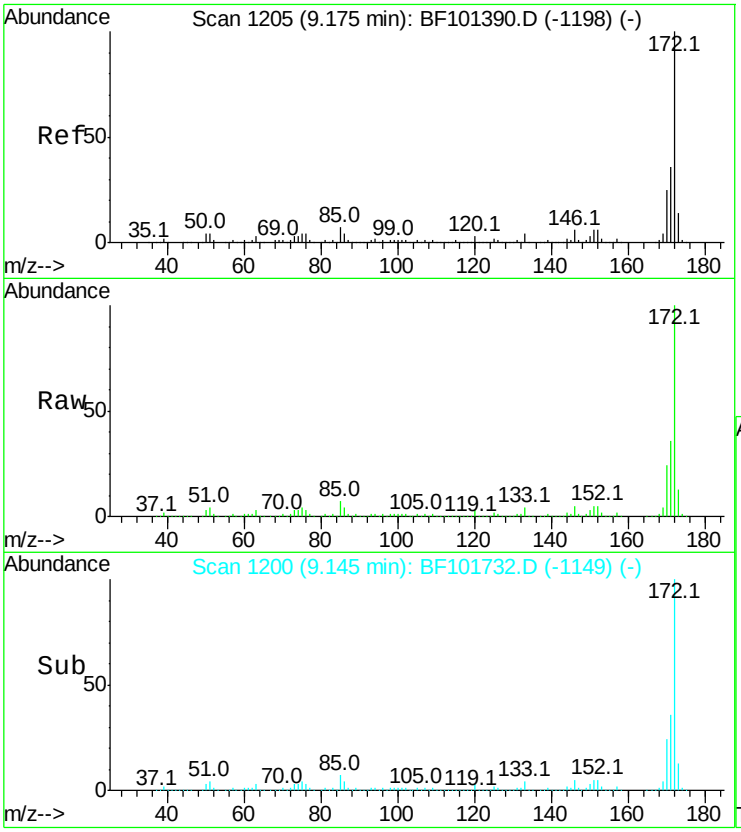



#41
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.62 min

Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 96.3 |
| 141 | 37.4 |

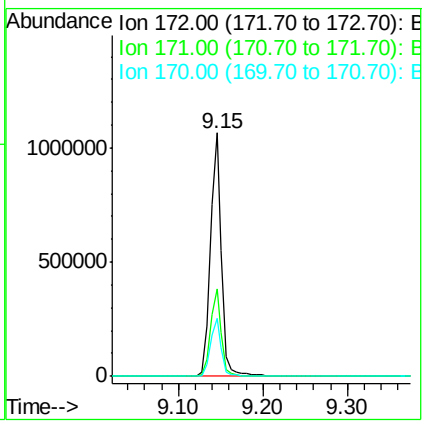


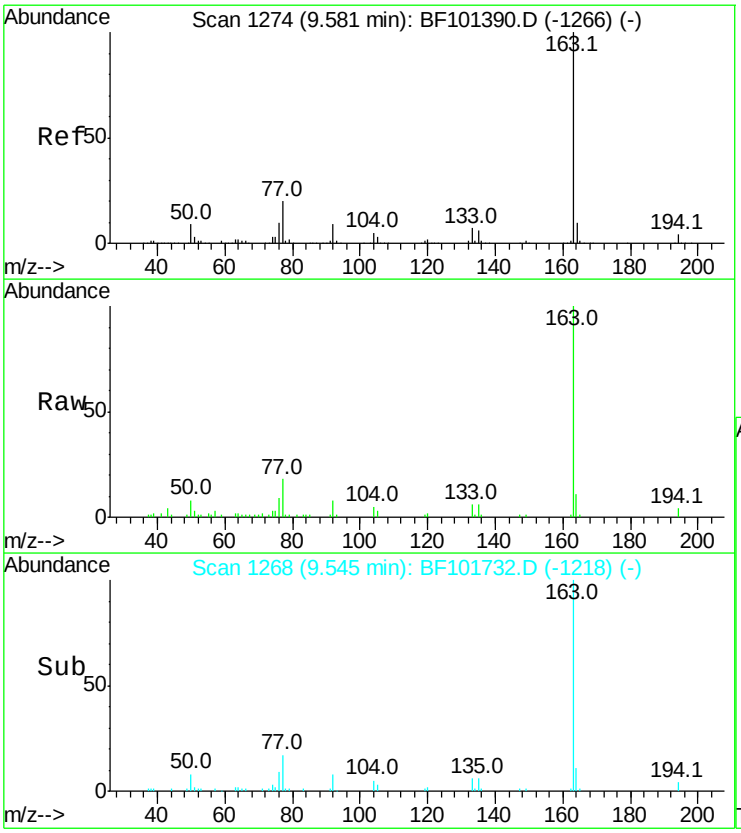

#44
2-Fluorobiphenyl
Concen: 76.315 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:172 Resp: 993568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.7 | 44.5 |
| 170 | 24.0 | 19.6 | 29.4 |

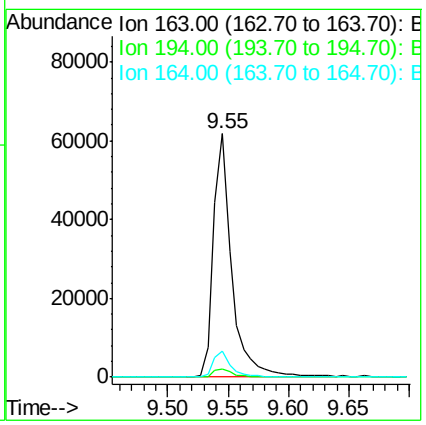


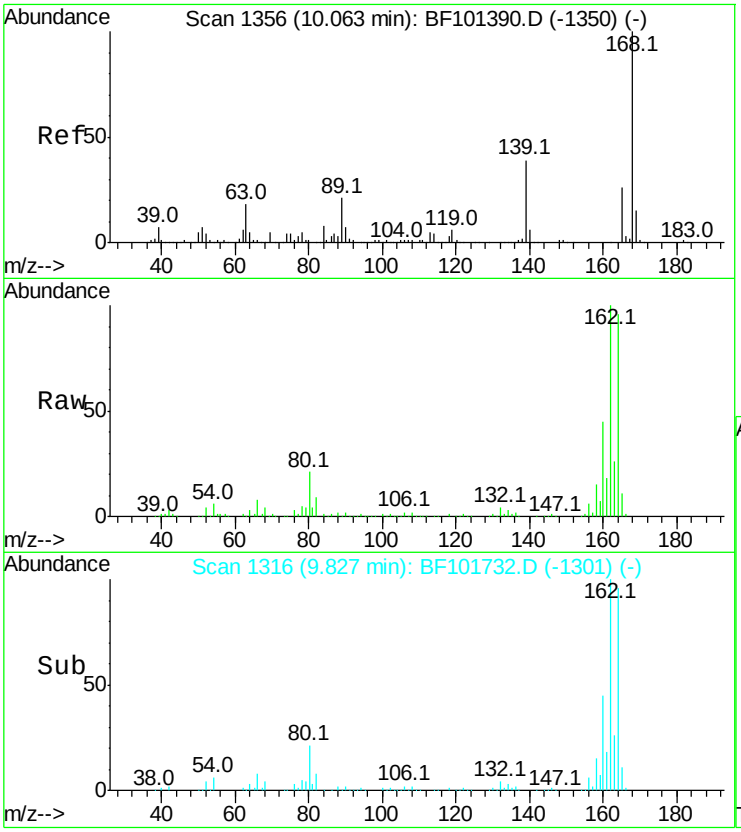




#49
Dimethylphthalate
Concen: 3.959 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:163 Resp: 64315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.7 | 4.1 |
| 164 | 10.6 | 8.2 | 12.2 |



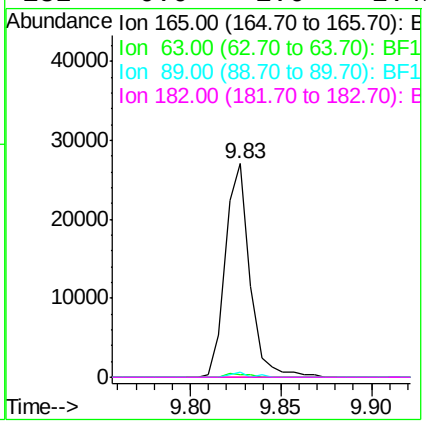


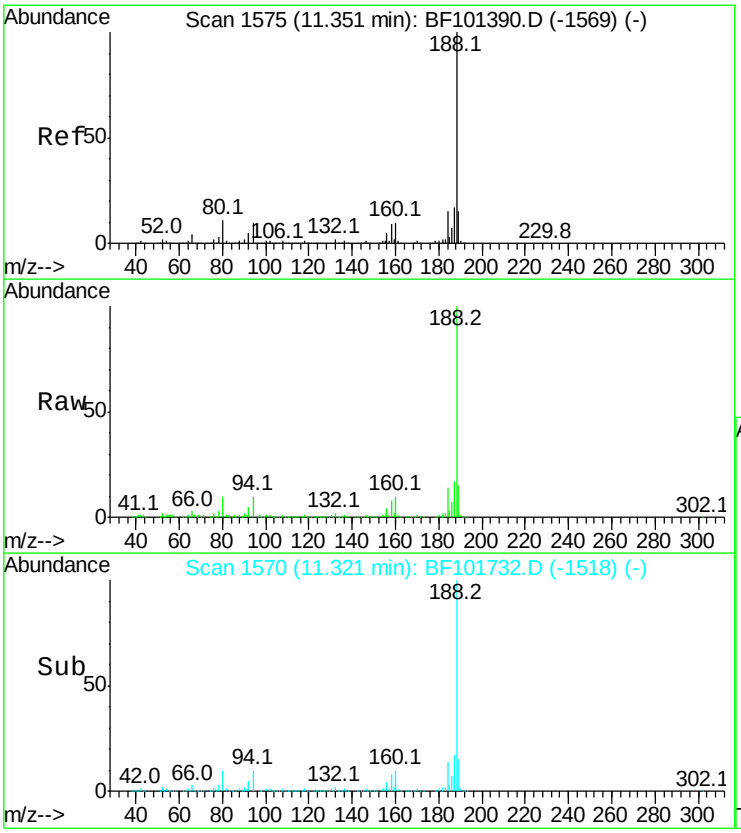

#56
2,4-Dinitrotoluene
Concen: 6.860 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:165 Resp: 25518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 2.6 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

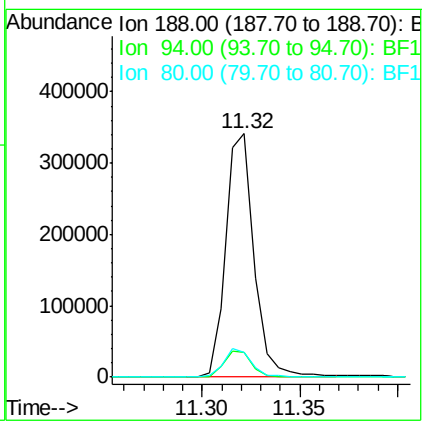


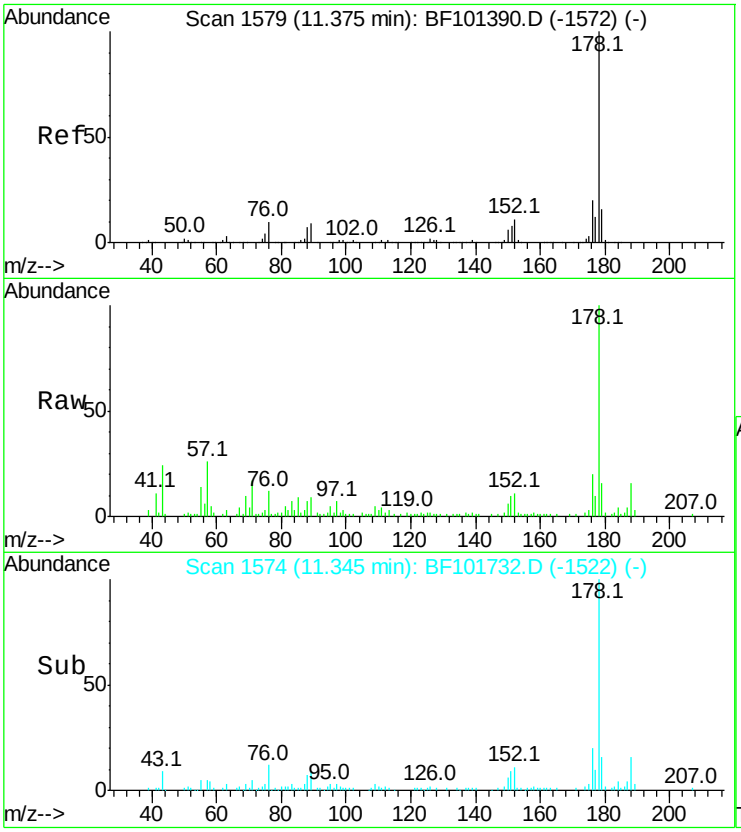




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:188 Resp: 341568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.5 | 12.7 |
| 80 | 10.3 | 9.2 | 13.8 |



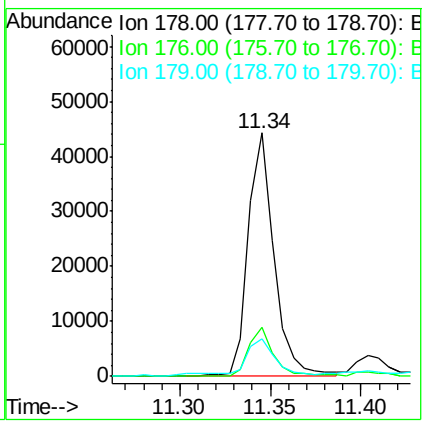


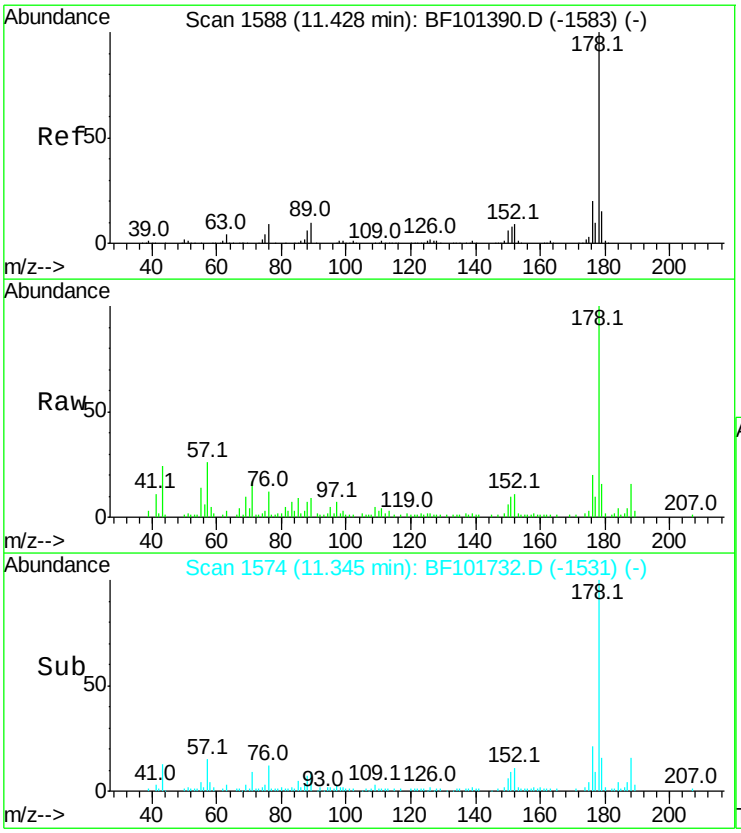

#70
Phenanthrene
Concen: 2.326 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:178 Resp: 44187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.8 | 23.8 |
| 179 | 15.6 | 13.0 | 19.6 |

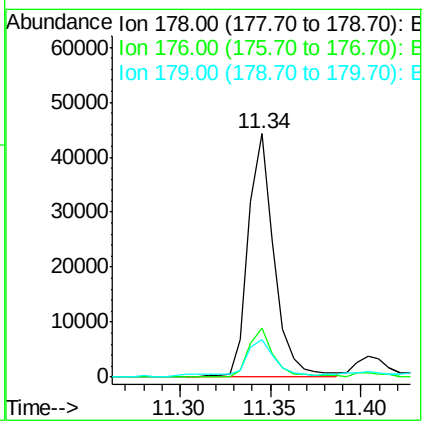


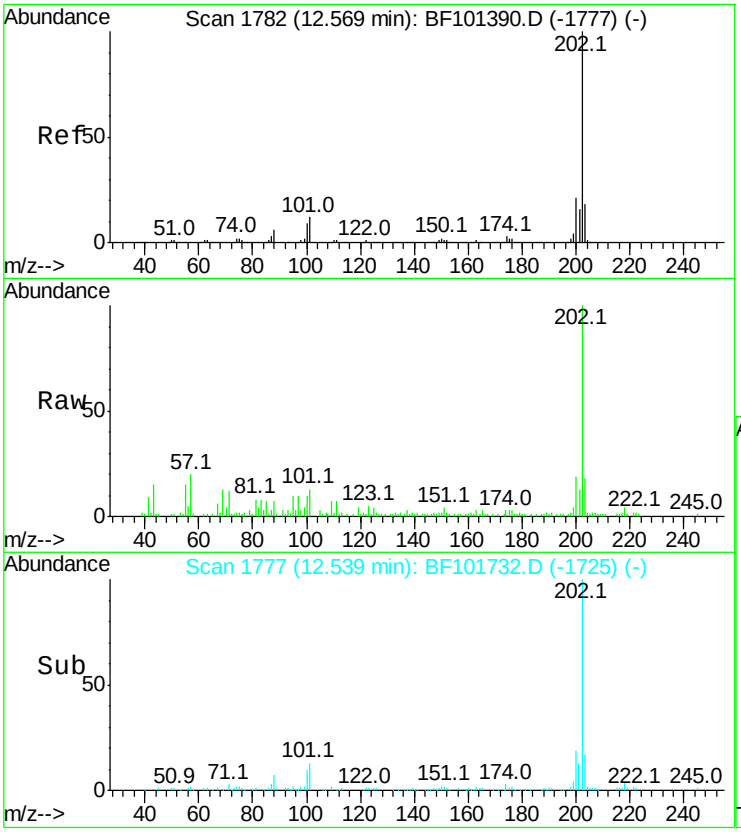




#71
Anthracene
Concen: 2.277 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.05 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:178 Resp: 44187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.4 | 23.2 |
| 179 | 15.6 | 12.6 | 19.0 |



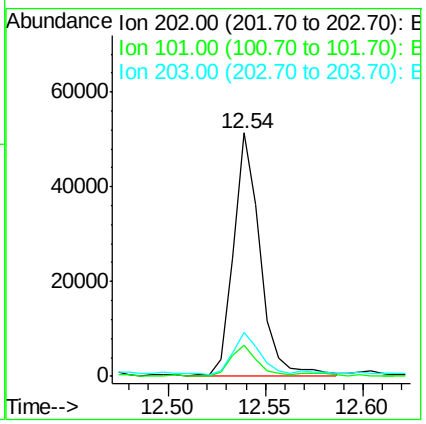


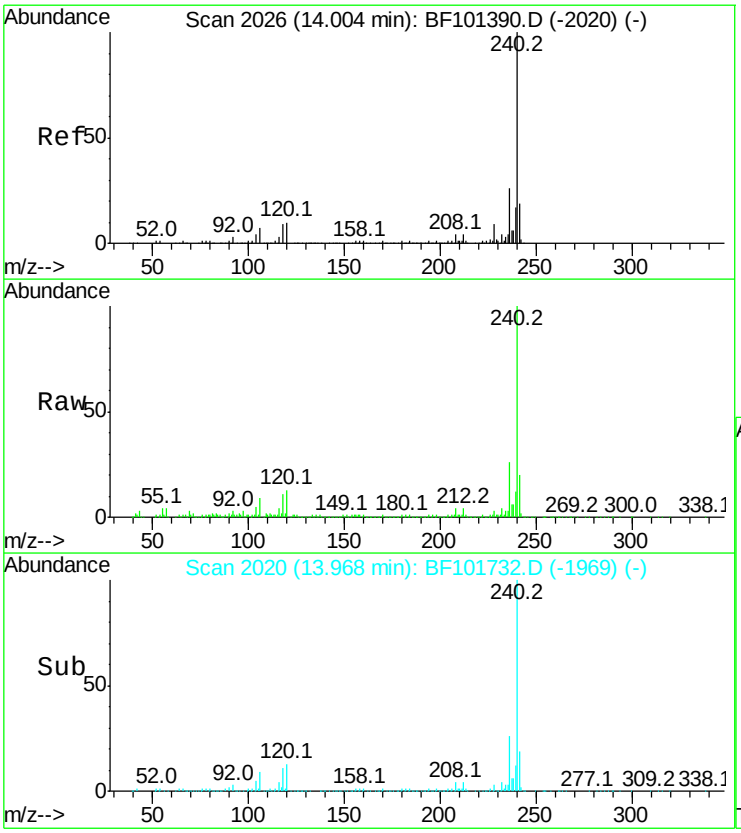

#74
Fluoranthene
Concen: 2.454 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:202 Resp: 48930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 0.0 | 34.1 |
| 203 | 18.1 | 0.0 | 38.1 |

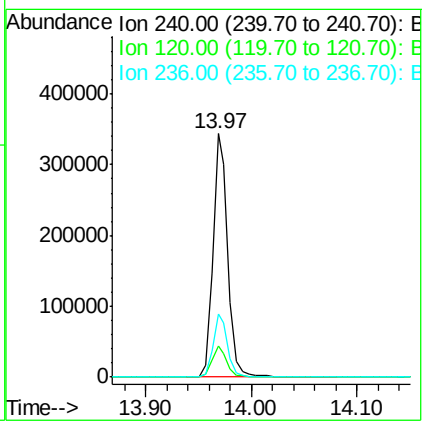


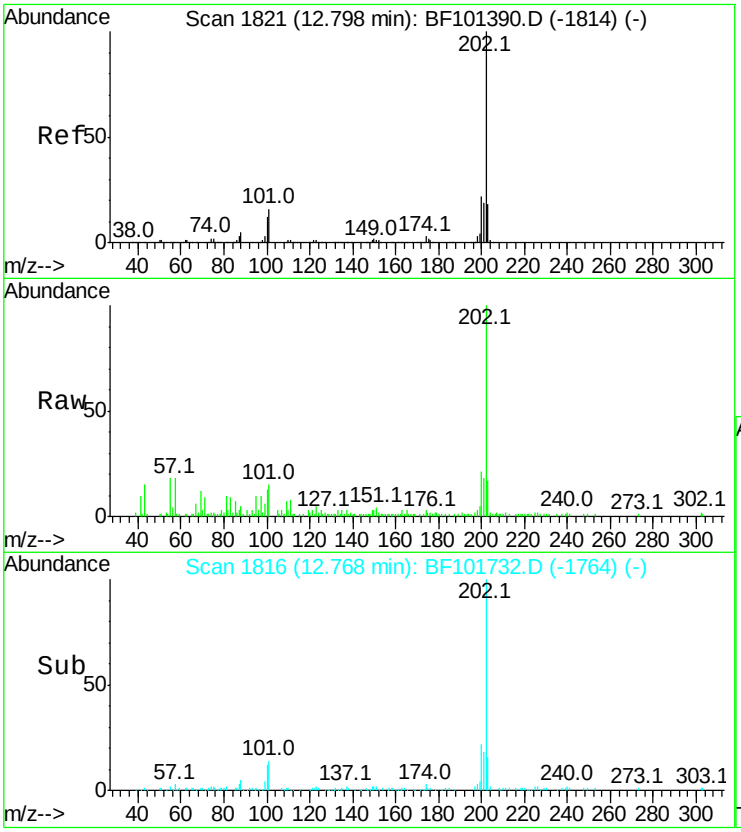




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:240 Resp: 341244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.5 | 14.3 |
| 236 | 26.0 | 20.7 | 31.1 |



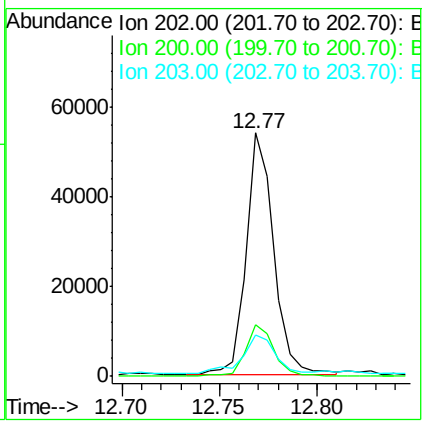


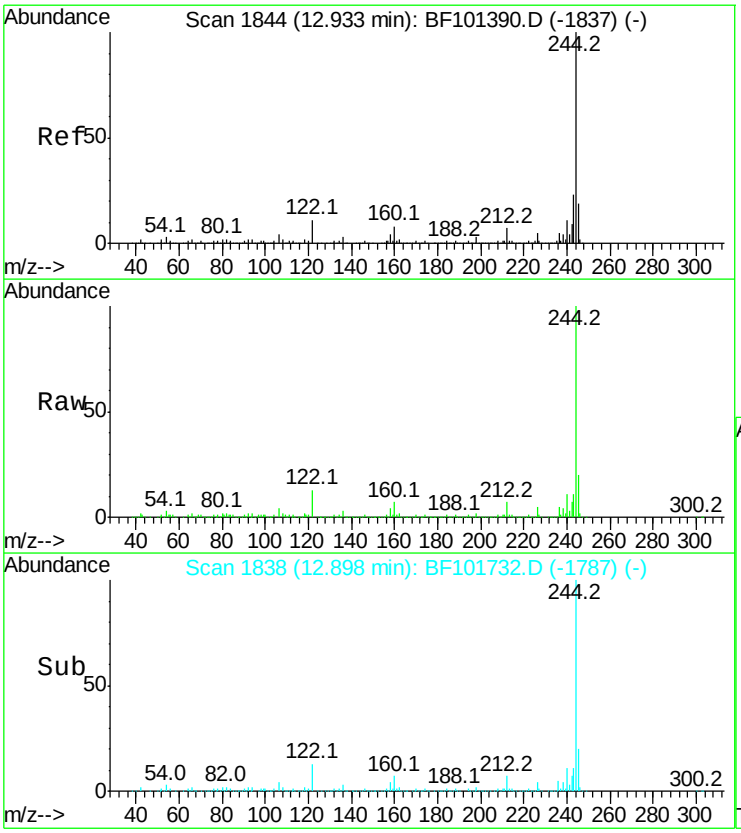

#77
Pyrene
Concen: 2.059 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:202 Resp: 52719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.4 | 26.2 |
| 203 | 16.8 | 14.3 | 21.5 |

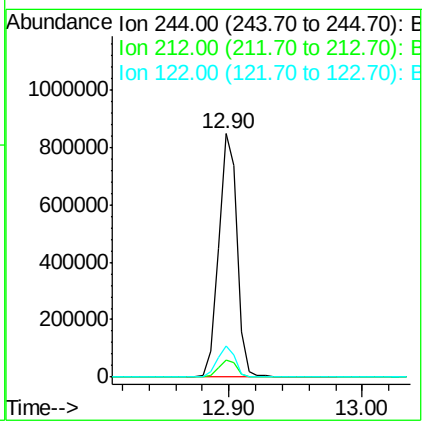


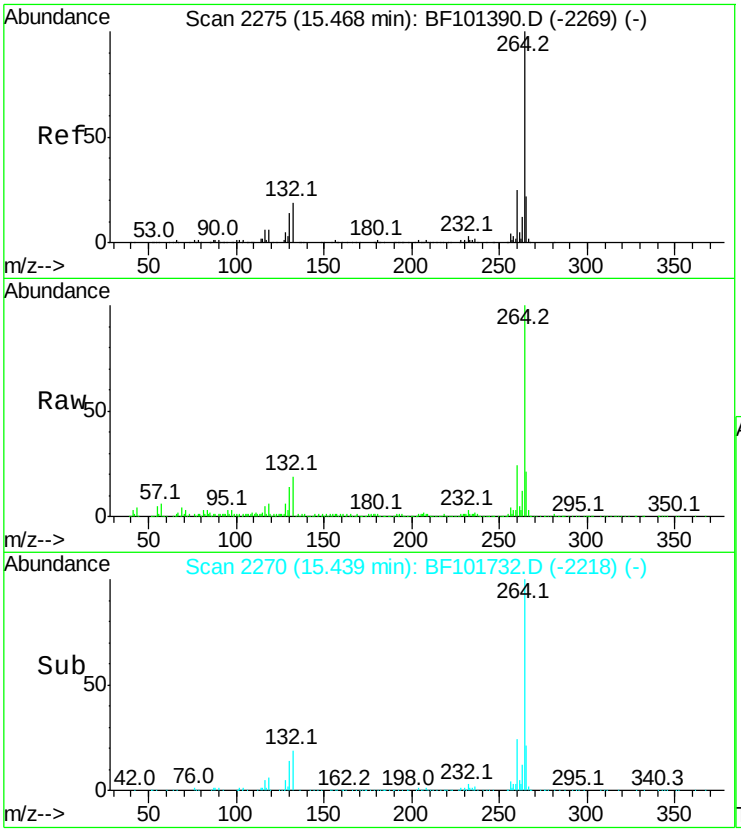




#78
Terphenyl-d14
Concen: 58.074 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

Tgt Ion:244 Resp: 822039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.0 |
| 122 | 12.8 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101732.D
Acq: 26 Dec 2017 23:47

**Instrument :**
BNA_F
**ClientSampleId :**
HALSTED-NWRE

Tgt Ion:264 Resp: 299764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 21.1 | 17.5 | 26.3 |