Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091018\

Quantitation Report (Not Reviewed)

Data File : BF108905.D
Acq On : 10 Sep 2018 20:44
Operator : JU/SJ
Sample : J4834-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** C-1

Quant Time: Sep 11 03:02:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 171368 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 587235 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 225863 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 394283 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 452710 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.28 | 264 | 336873 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 968764 | 93.65 | ng | | 0.02 |
| 7) Phenol-d6 | 6.37 | 99 | 1243510 | 93.43 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 747229 | 79.63 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 225379 | 104.53 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 1226720 | 92.66 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1153839 | 59.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 100644 | 10.879 | ng | # | 77 |
| 25) Isophorone | 7.30 | 82 | 744288 | 39.765 | ng | # | 64 |
| 32) Benzoic acid | 7.68 | 122 | 241 | 4.065 | ng | # | 1 |
| 49) Dimethylphthalate | 9.49 | 163 | 318126 | 20.138 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.77 | 165 | 28628 | 7.437 | ng | # | 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 382 | 7.080 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.55 | 248 | 13473 | 3.025 | ng | # | 1 |

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

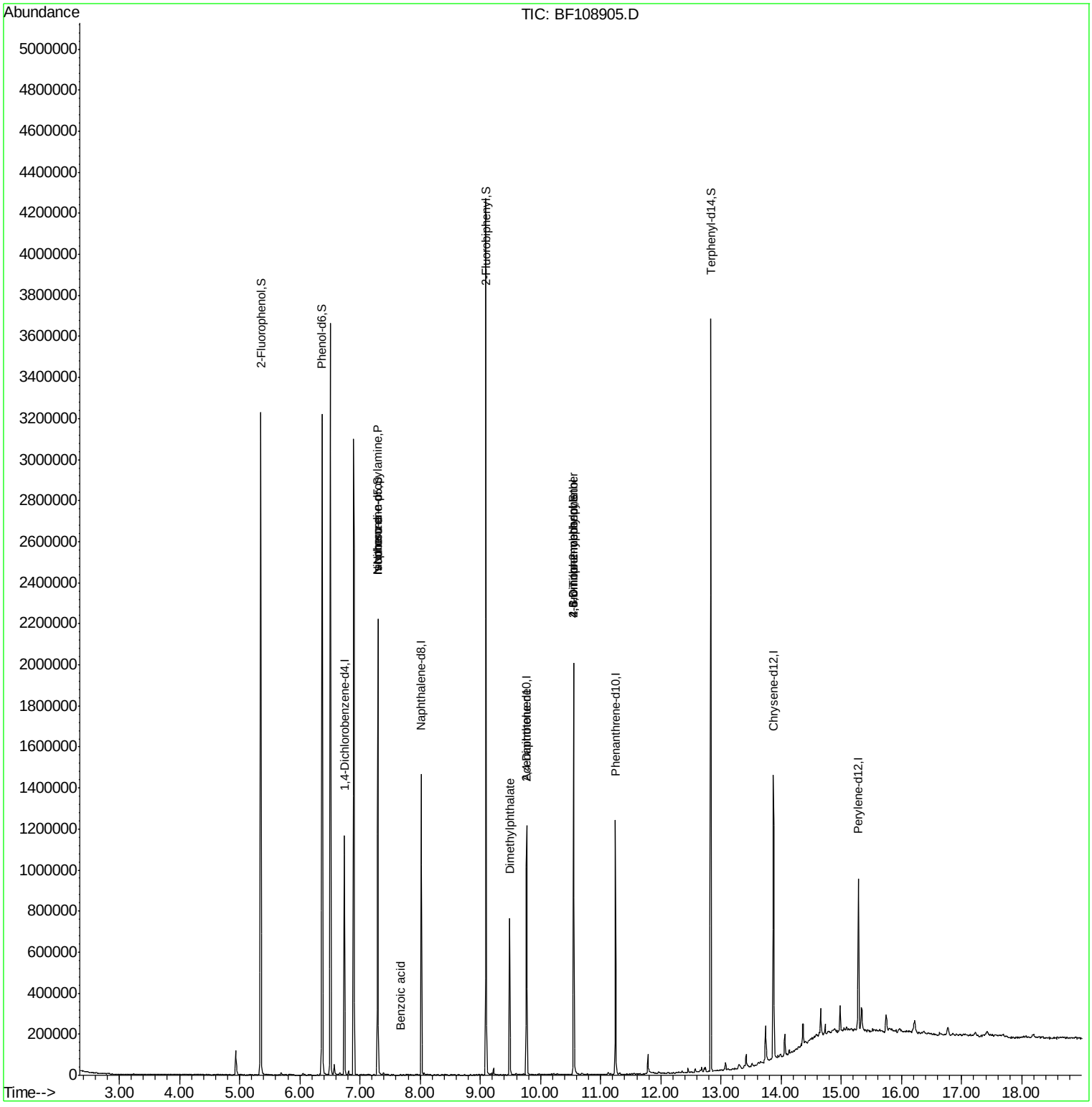
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091018\

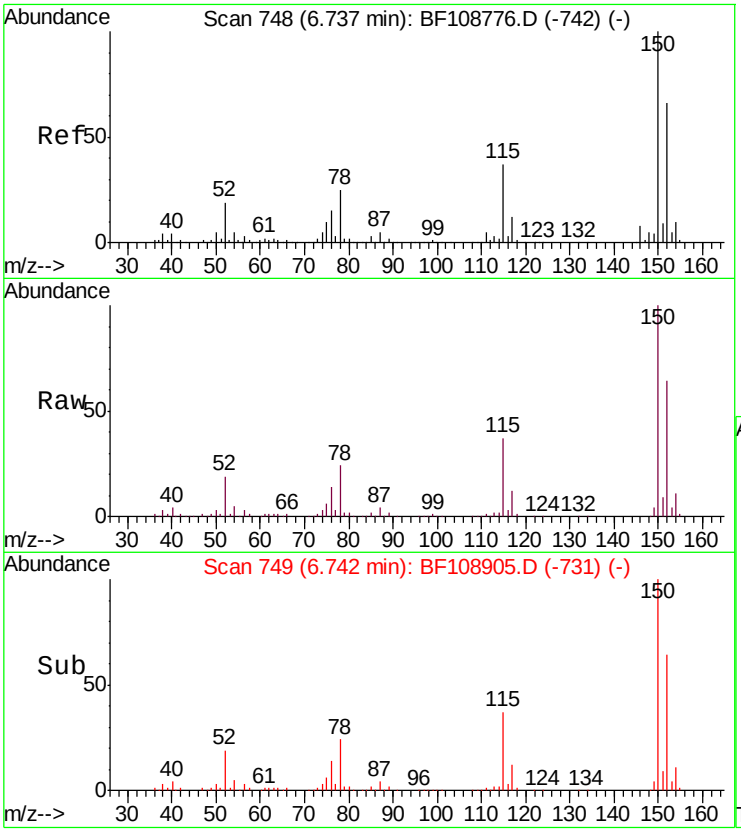
Quantitation Report (Not Reviewed)

Data File : BF108905.D
Acq On : 10 Sep 2018 20:44
Operator : JU/SJ
Sample : J4834-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** C-1

Quant Time: Sep 11 03:02:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration



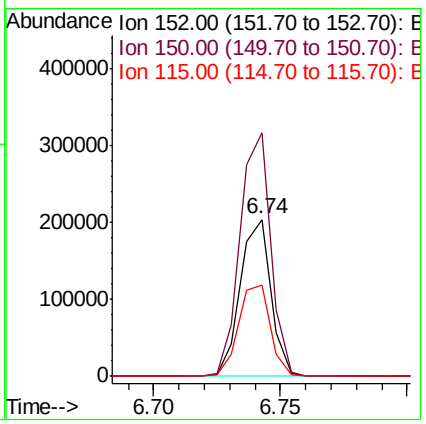


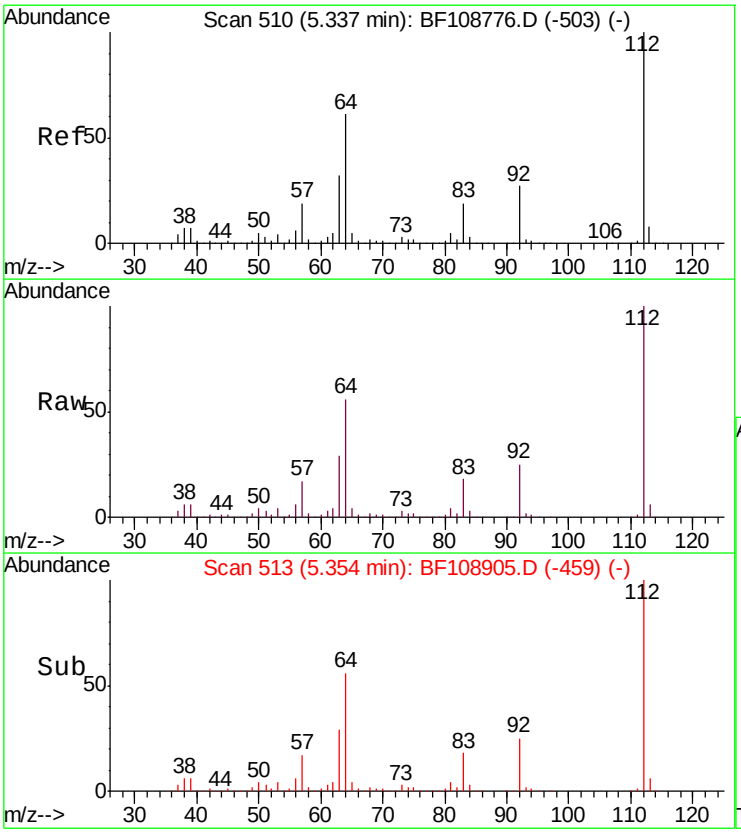

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:152 Resp: 171368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 124.6 | 186.8 |
| 115 | 58.1 | 50.1 | 75.1 |

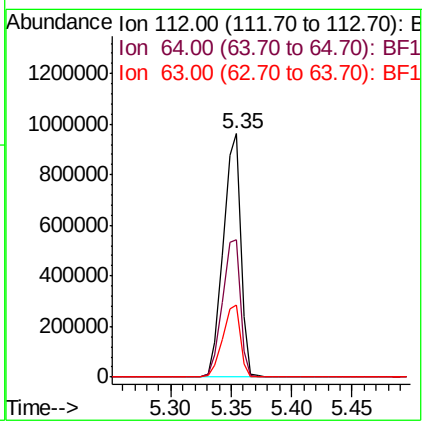


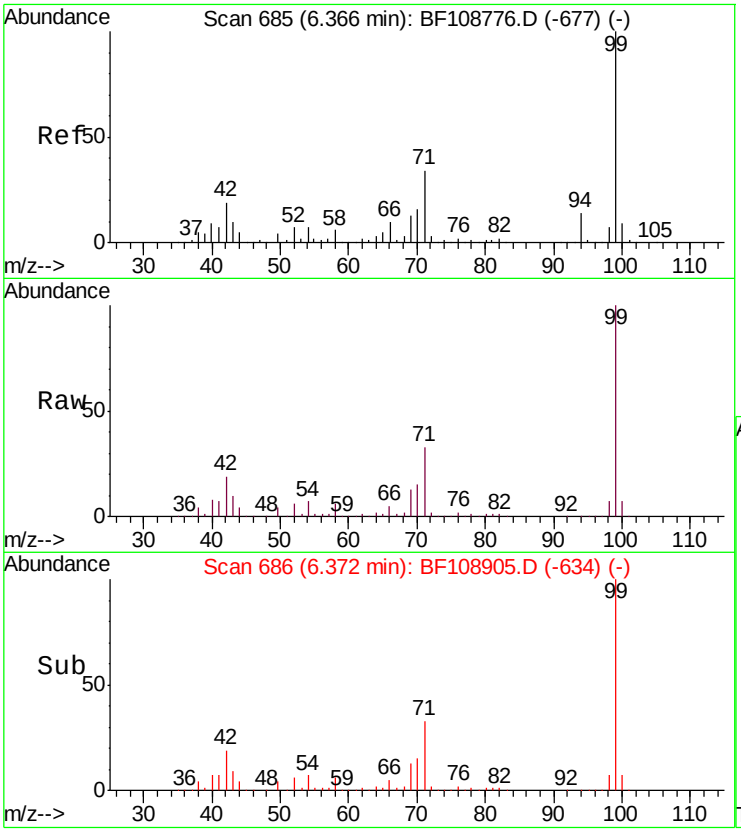




#5
2-Fluorophenol
Concen: 93.653 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:112 Resp: 968764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.5 | 47.9 | 71.9 |
| 63 | 29.4 | 23.7 | 35.5 |



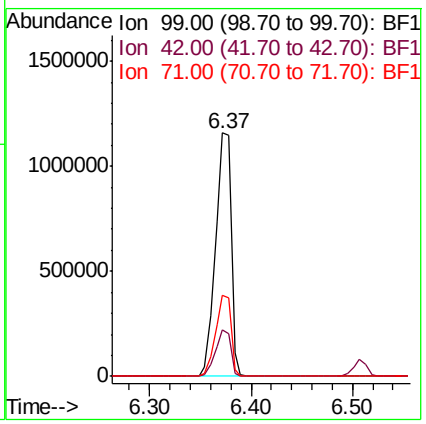


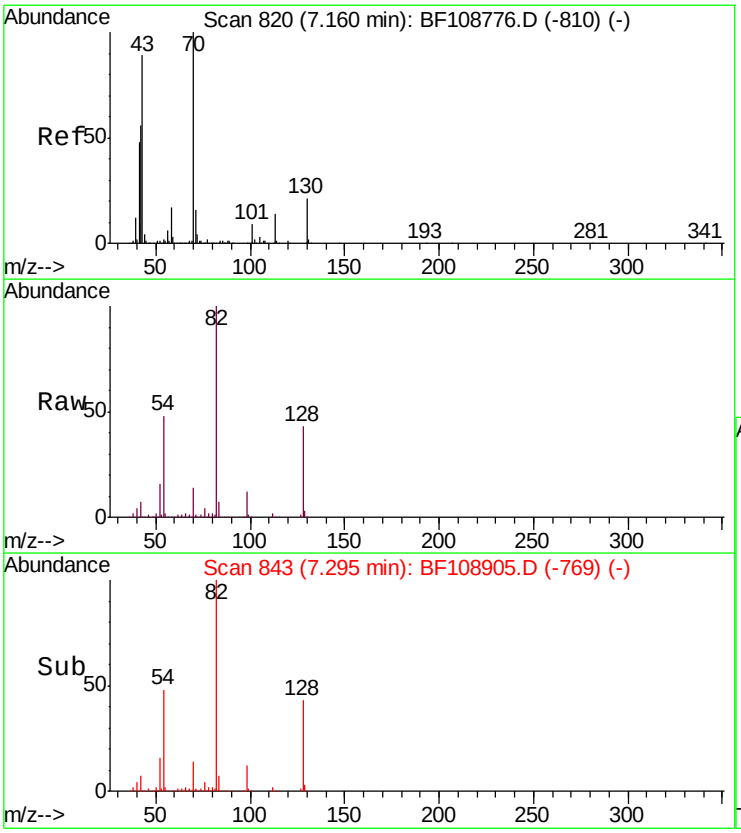

#7
Phenol-d6
Concen: 93.431 ng
RT: 6.37 min Scan# 686
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion: 99 Resp: 1243510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 14.5 | 21.7 |
| 71 | 33.4 | 25.4 | 38.0 |

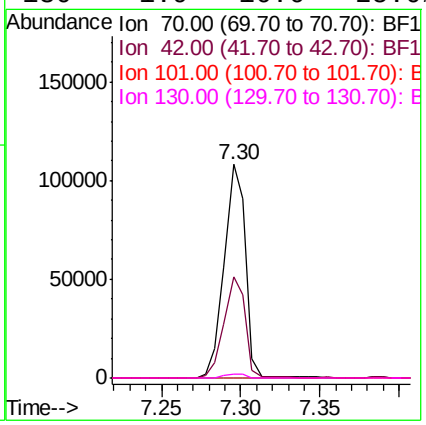


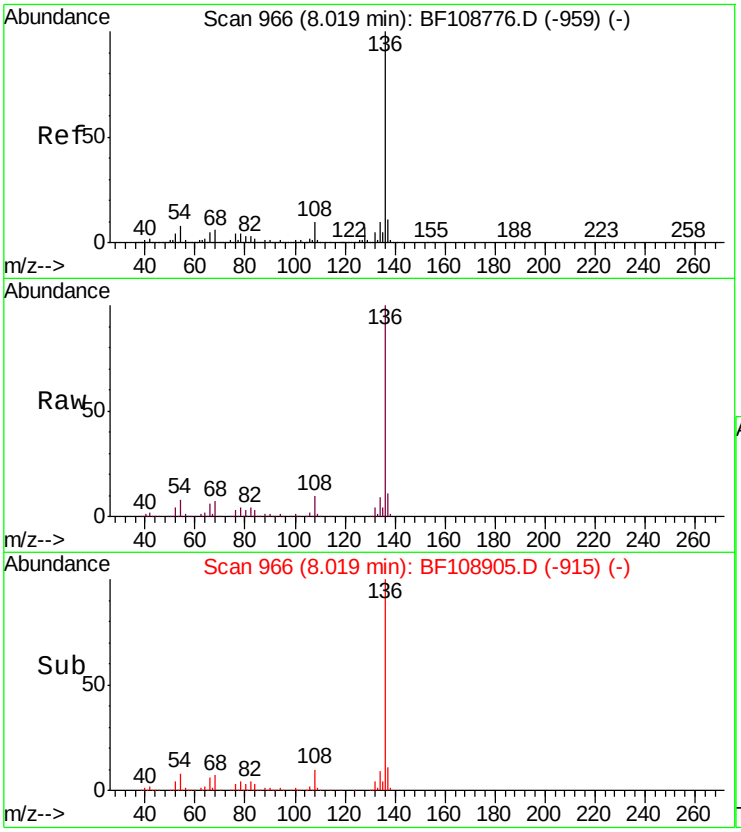




#19
n-Nitroso-di-n-propylamine
Concen: 10.879 ng
RT: 7.30 min Scan# 843
Delta R.T. 0.14 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion: 70 Resp: 100644

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



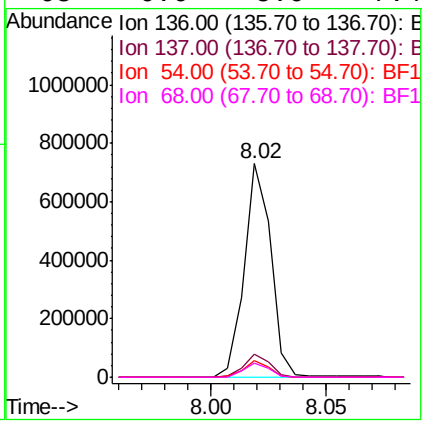


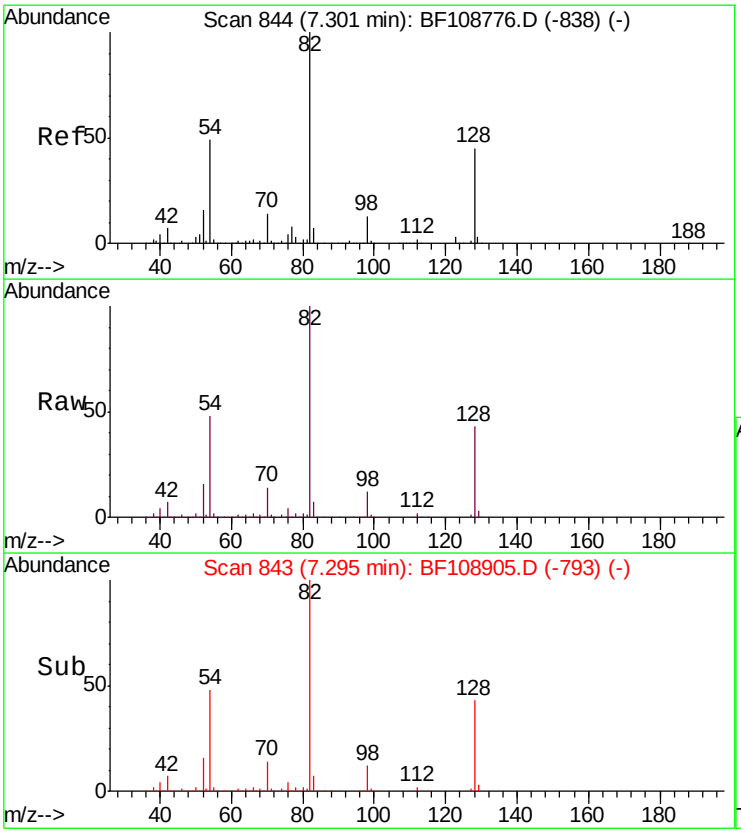

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:136 Resp: 587235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 7.7 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |

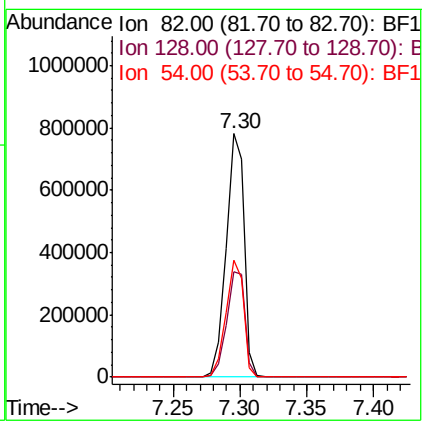


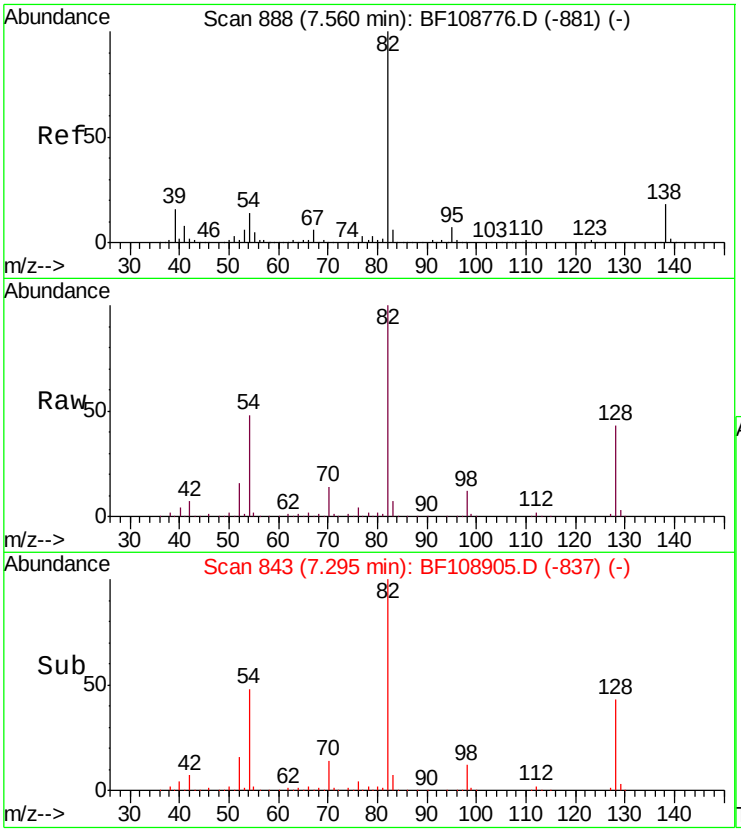




#23
Nitrobenzene-d5
Concen: 79.631 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion: 82 Resp: 747229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.1 | 36.1 | 54.1 |
| 54 | 48.0 | 41.4 | 62.2 |



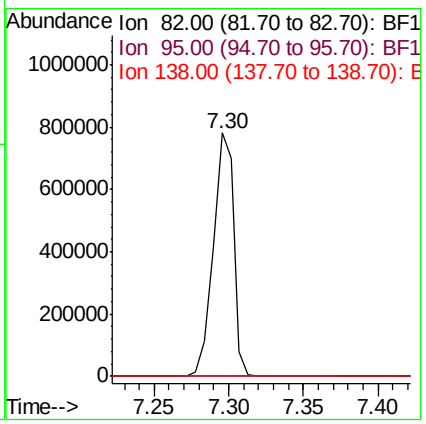


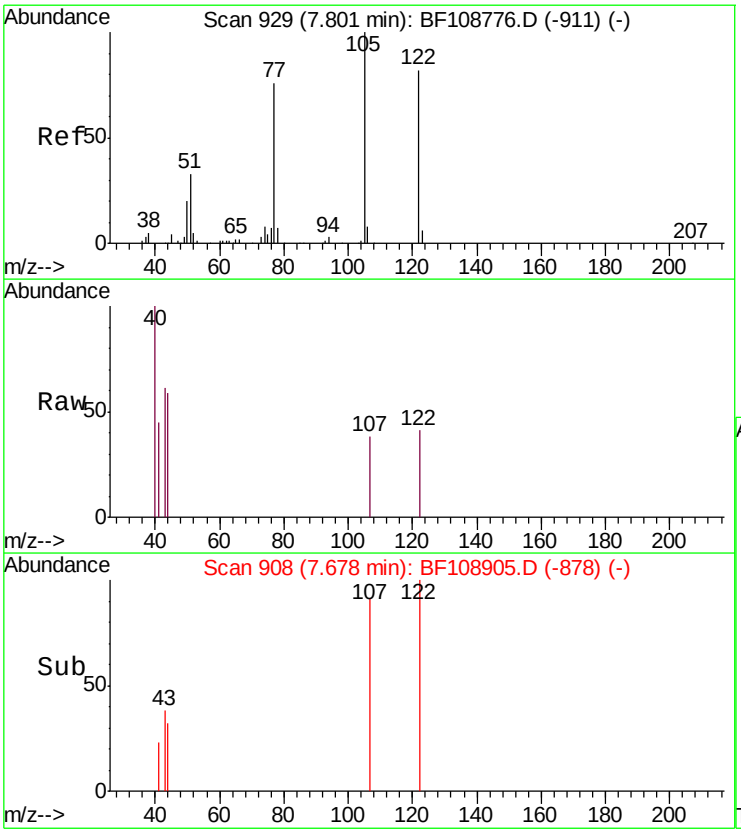

#25
Isophorone
Concen:  39.765 ng
RT: 7.30 min  Scan# 843
Delta R.T.  -0.26 min
Lab File:  BF108905.D
Acq: 10 Sep 2018  20:44

**Instrument :** BNA_F
**ClientSampleId :** C-1

Tgt Ion: 82 Resp:  744288

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

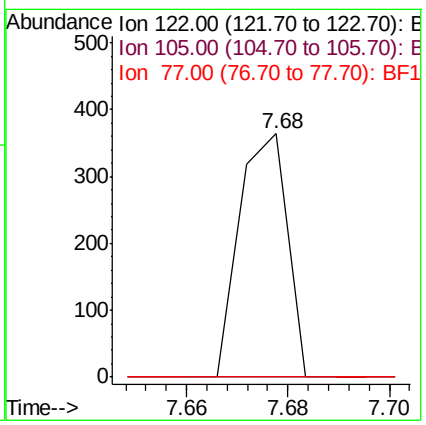


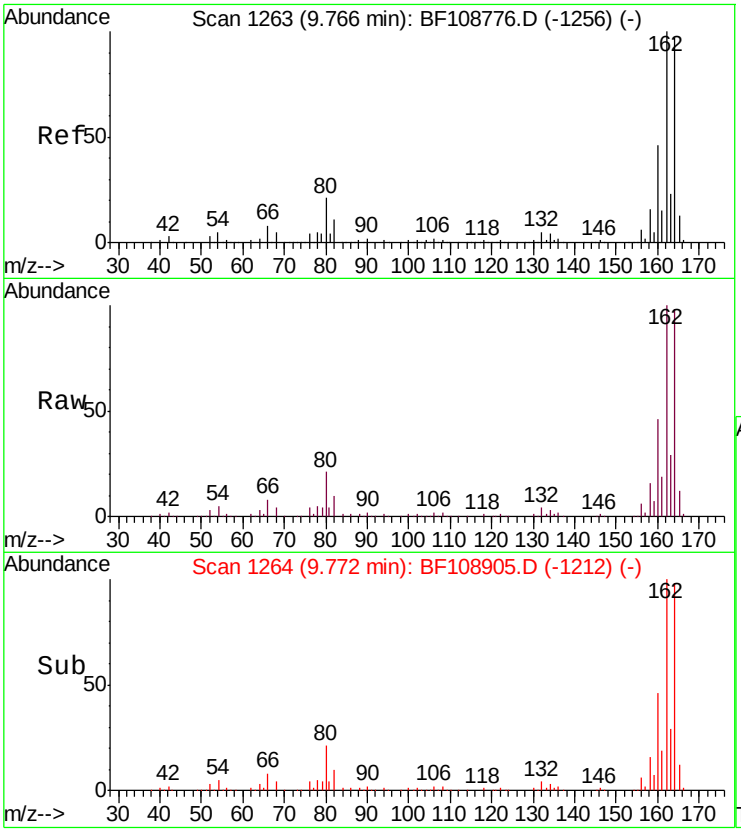




#32
Benzoic acid
Concen:  4.065 ng
RT: 7.68 min  Scan# 908
Delta R.T.  -0.12 min
Lab File:  BF108905.D
Acq: 10 Sep 2018  20:44

Tgt Ion:122 Resp:  241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 0.0 | 70.7 | 110.7# |



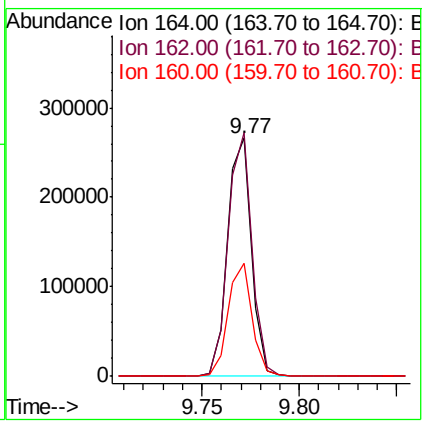


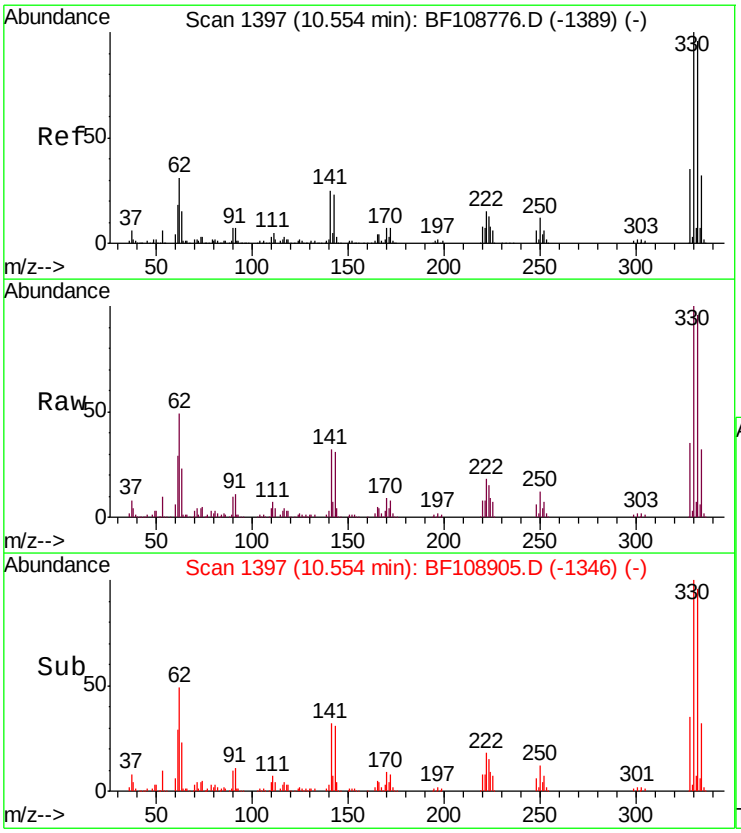

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:164 Resp: 225863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 86.1 | 129.1 |
| 160 | 47.2 | 38.3 | 57.5 |

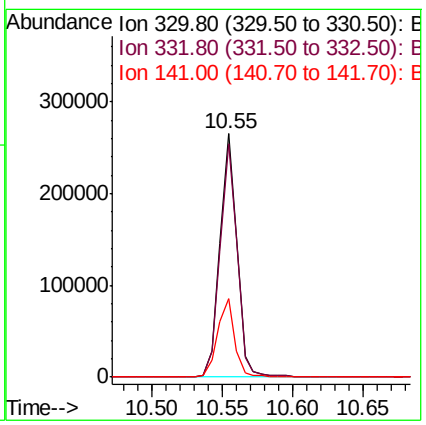


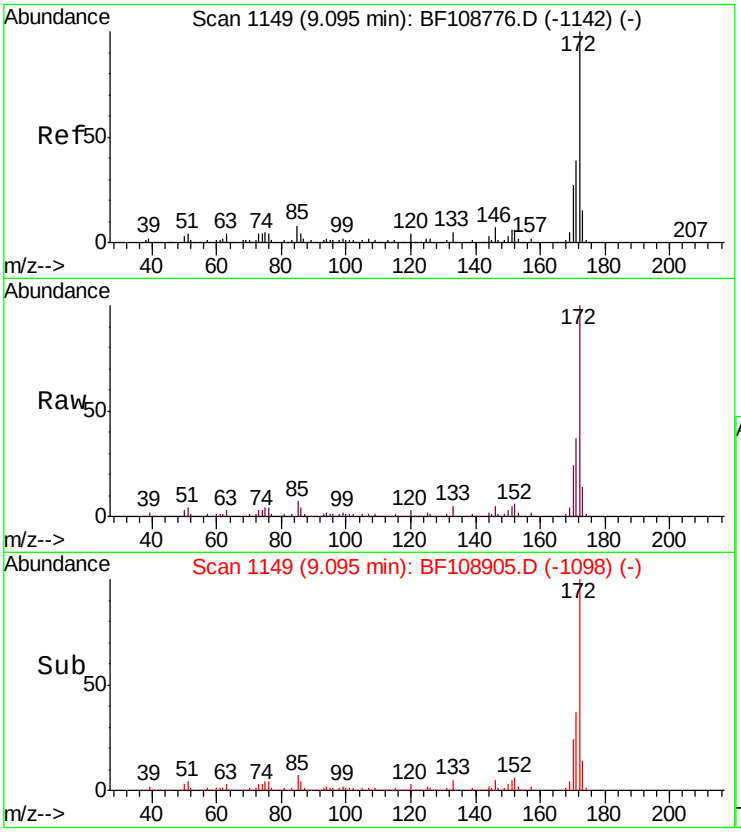




#41
2,4,6-Tribromophenol
Concen: 104.526 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:330 Resp: 225379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.0 | 115.6 |
| 141 | 32.1 | 29.9 | 44.9 |



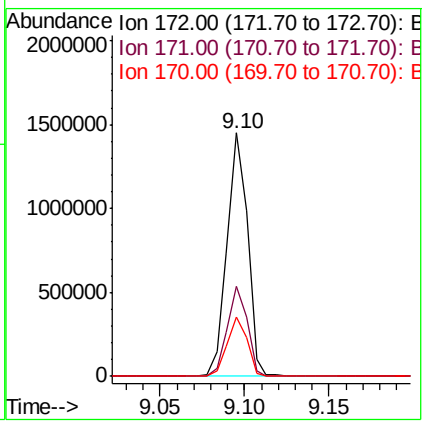


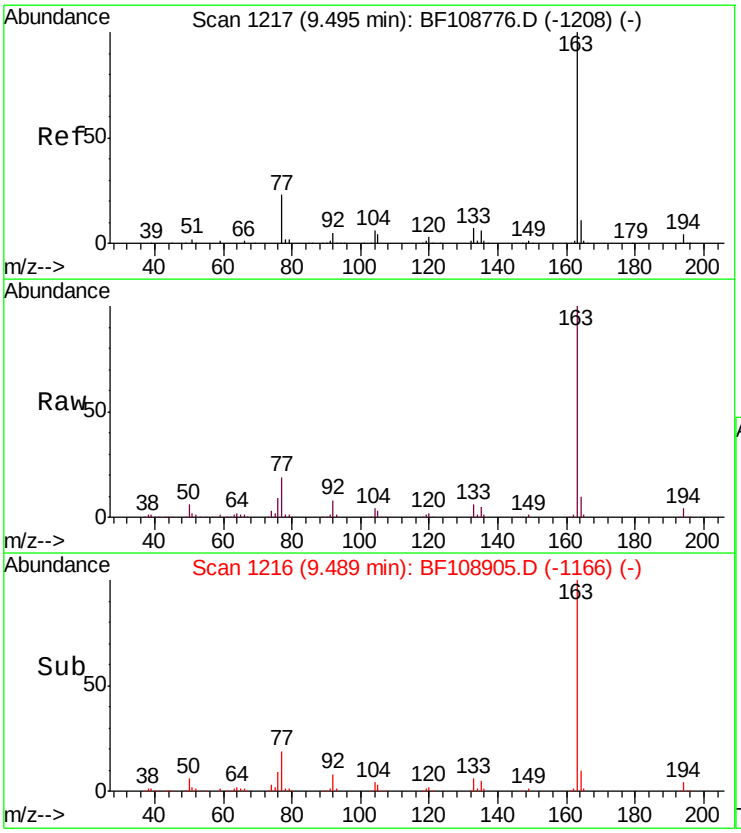

#44
2-Fluorobiphenyl
Concen: 92.656 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:172 Resp: 1226720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.7 | 44.5 |
| 170 | 24.2 | 19.6 | 29.4 |

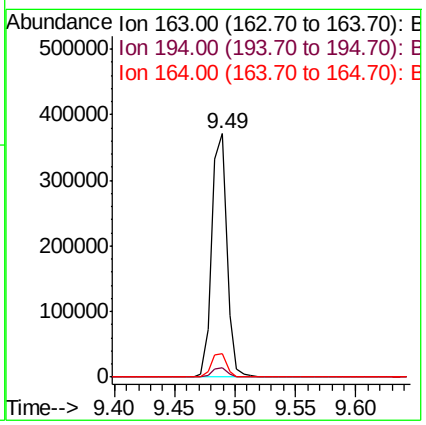


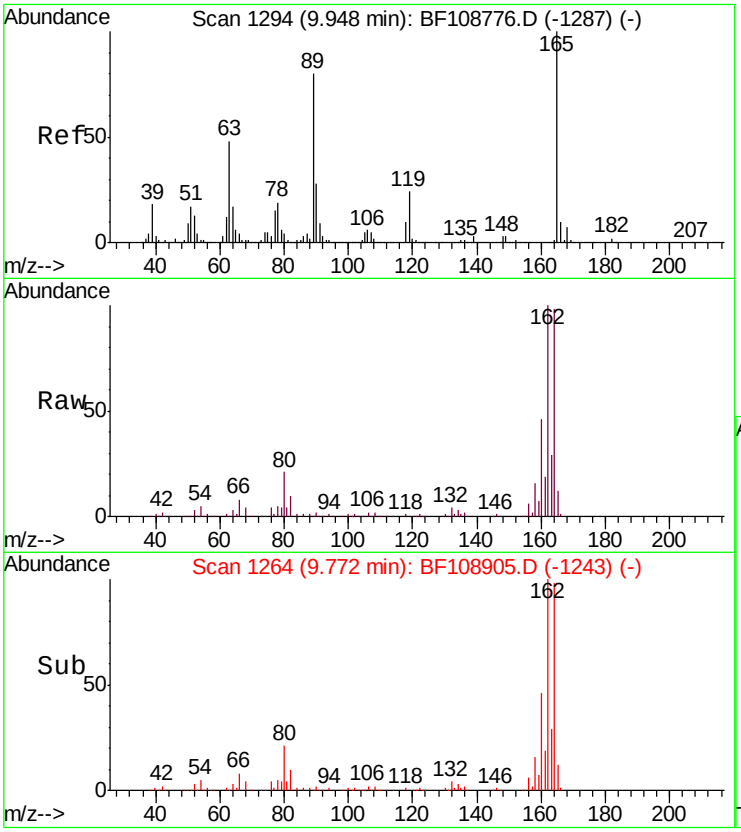




#49
Dimethylphthalate
Concen: 20.138 ng
RT: 9.49 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:163 Resp: 318126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 2.7 | 4.1 |
| 164 | 9.9 | 8.2 | 12.2 |



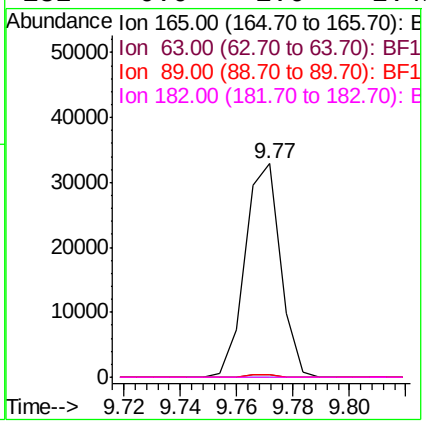


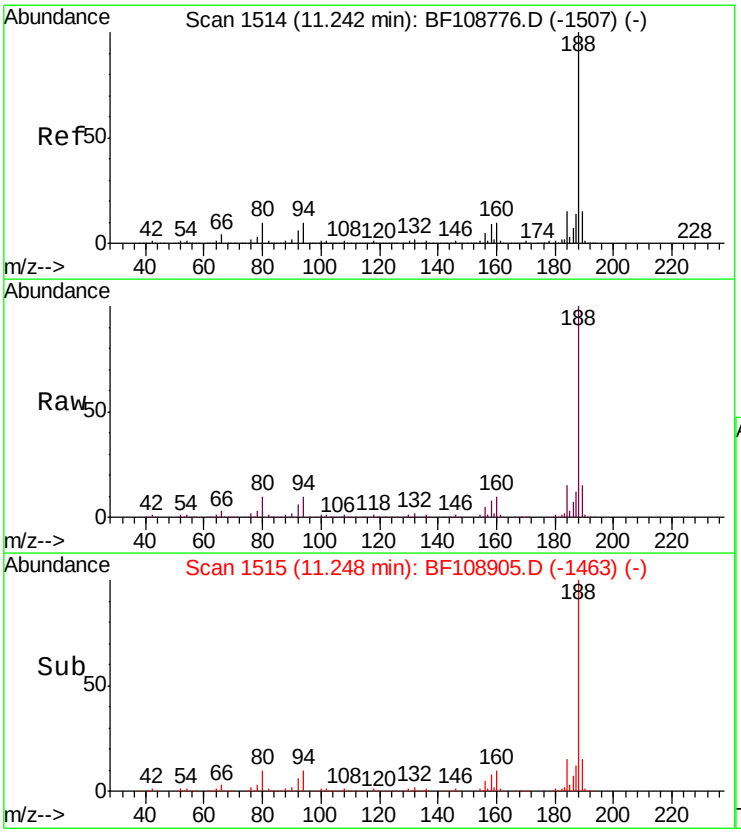

#56
2,4-Dinitrotoluene
Concen: 7.437 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.18 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:165 Resp: 28628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 36.4 | 54.6# |
| 89 | 1.1 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

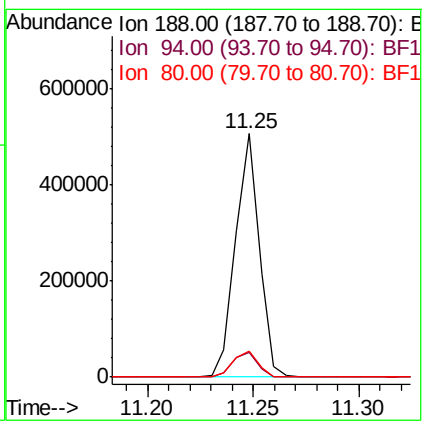


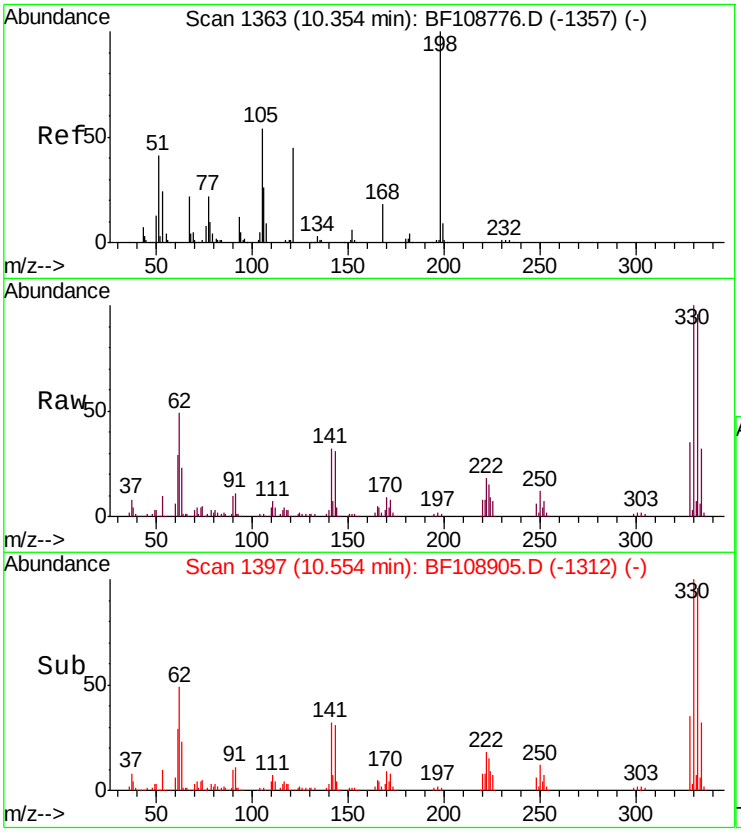




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:188 Resp: 394283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.5 | 12.7 |
| 80 | 10.5 | 9.2 | 13.8 |



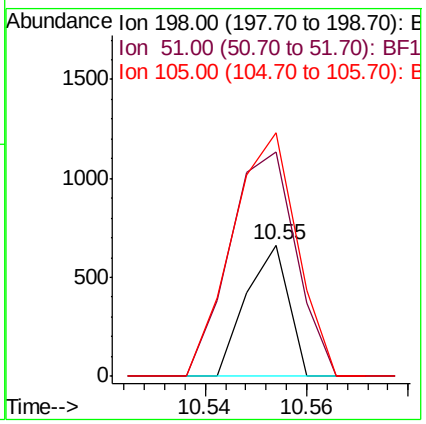


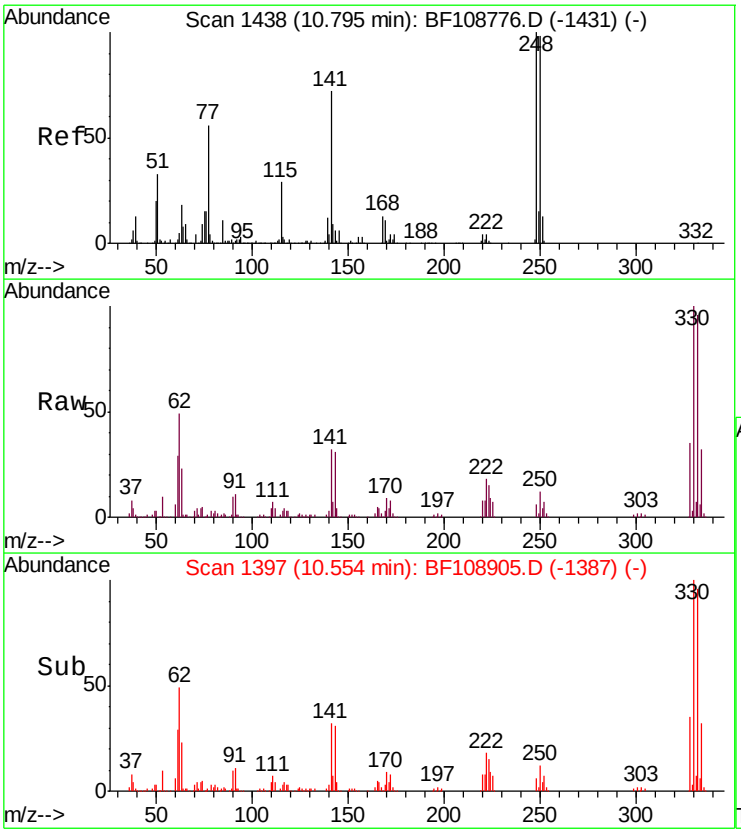

#64
4,6-Dinitro-2-methylphenol
Concen: 7.080 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.20 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:198 Resp: 382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 171.8 | 37.7 | 77.7# |
| 105 | 186.0 | 36.3 | 76.3# |

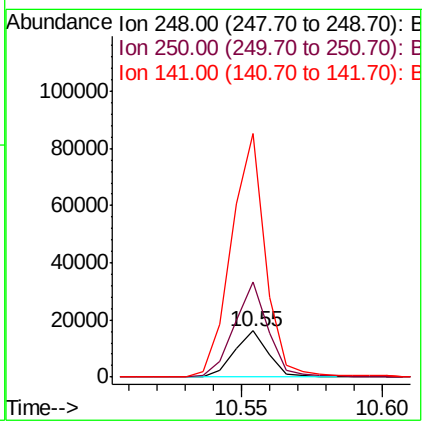


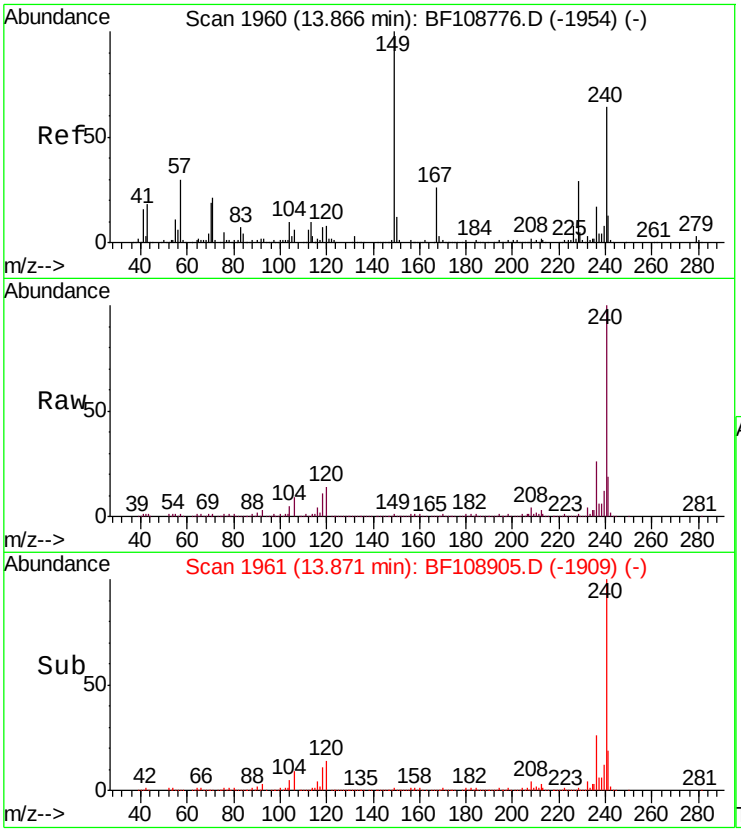




#66
4-Bromophenyl-phenylether
Concen: 3.025 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.24 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:248 Resp: 13473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 205.7 | 76.9 | 115.3# |
| 141 | 529.0 | 74.4 | 111.6# |



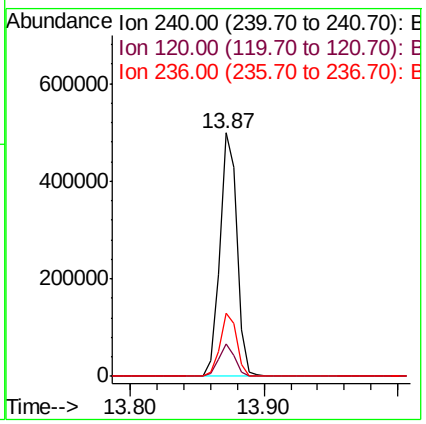


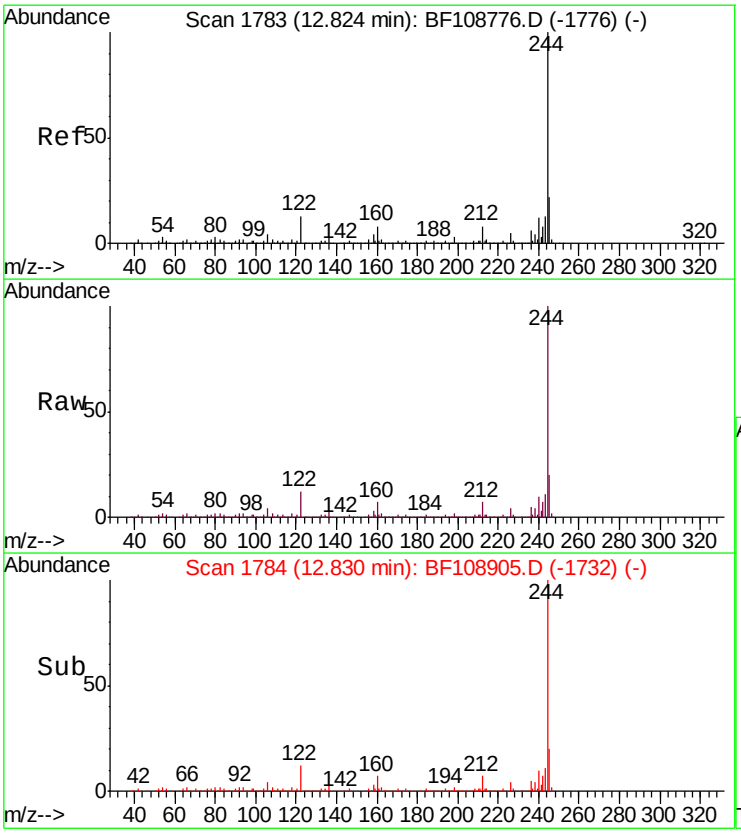

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:240 Resp: 452710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.6 | 9.5 | 14.3 |
| 236 | 26.1 | 20.7 | 31.1 |

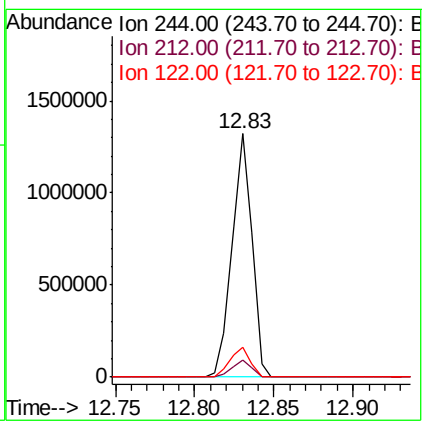


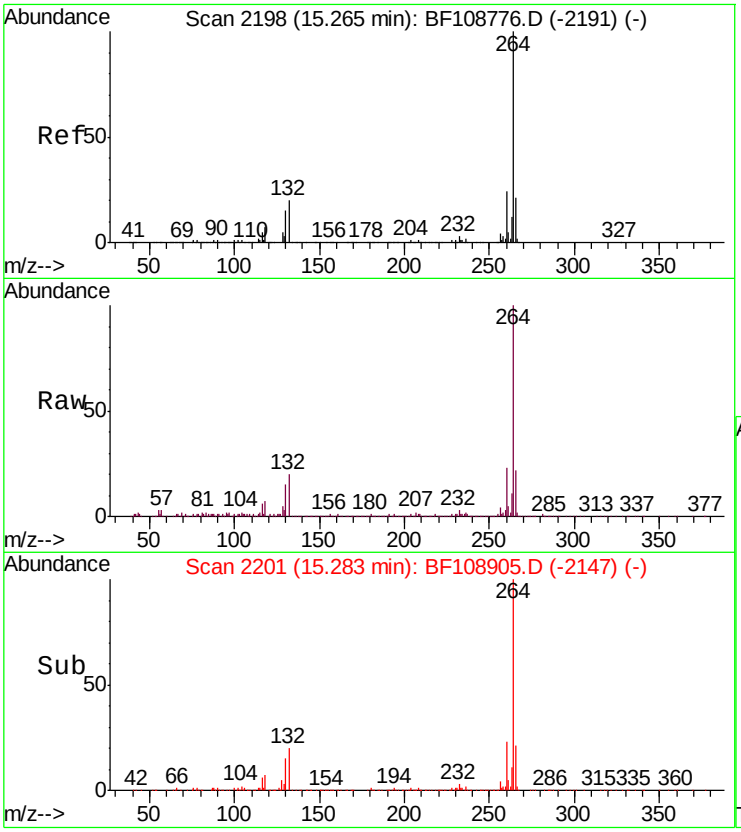




#78
Terphenyl-d14
Concen: 59.434 ng
RT: 12.83 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

Tgt Ion:244 Resp: 1153839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 12.4 | 11.0 | 16.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108905.D
Acq: 10 Sep 2018 20:44

**Instrument :**
BNA_F
**ClientSampleId :**
C-1

Tgt Ion:264 Resp: 336873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 21.6 | 17.5 | 26.3 |