Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098724.D
Acq On : 23 Sep 2017 4:21
Operator : SJ/JU
Sample : I5340-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 23 04:53:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 151125 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.21 | 136 | 597612 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.96 | 164 | 245026 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.45 | 188 | 353026 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 308245 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.58 | 264 | 265169 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 881812 | 88.61 | ng | | 0.00 |
| 7) Phenol-d6 | 6.55 | 99 | 1054311 | 87.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 621010 | 70.49 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 186708 | 83.32 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 1029541 | 66.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.03 | 244 | 708182 | 49.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.70 | 77 | 18941 | 2.80 | ng | | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.49 | 70 | 82344 | 11.03 | ng | # | 78 |
| 25) Isophorone | 7.49 | 82 | 620208 | 32.28 | ng | # | 64 |
| 49) Dimethylphthalate | 9.67 | 163 | 159853 | 8.70 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.96 | 165 | 30992 | 6.36 | ng | # | 23 |
| 64) 4,6-Dinitro-2-methylphenol | 10.75 | 198 | 378 | 9.12 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.75 | 248 | 11584 | 3.25 | ng | # | 1 |
| 74) Fluoranthene | 12.66 | 202 | 49467 | 2.59 | ng | | 97 |
| 77) Pyrene | 12.89 | 202 | 48205 | 2.11 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 40821 | 2.65 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.14 | 252 | 40821 | 2.66 | ng | | 98 |

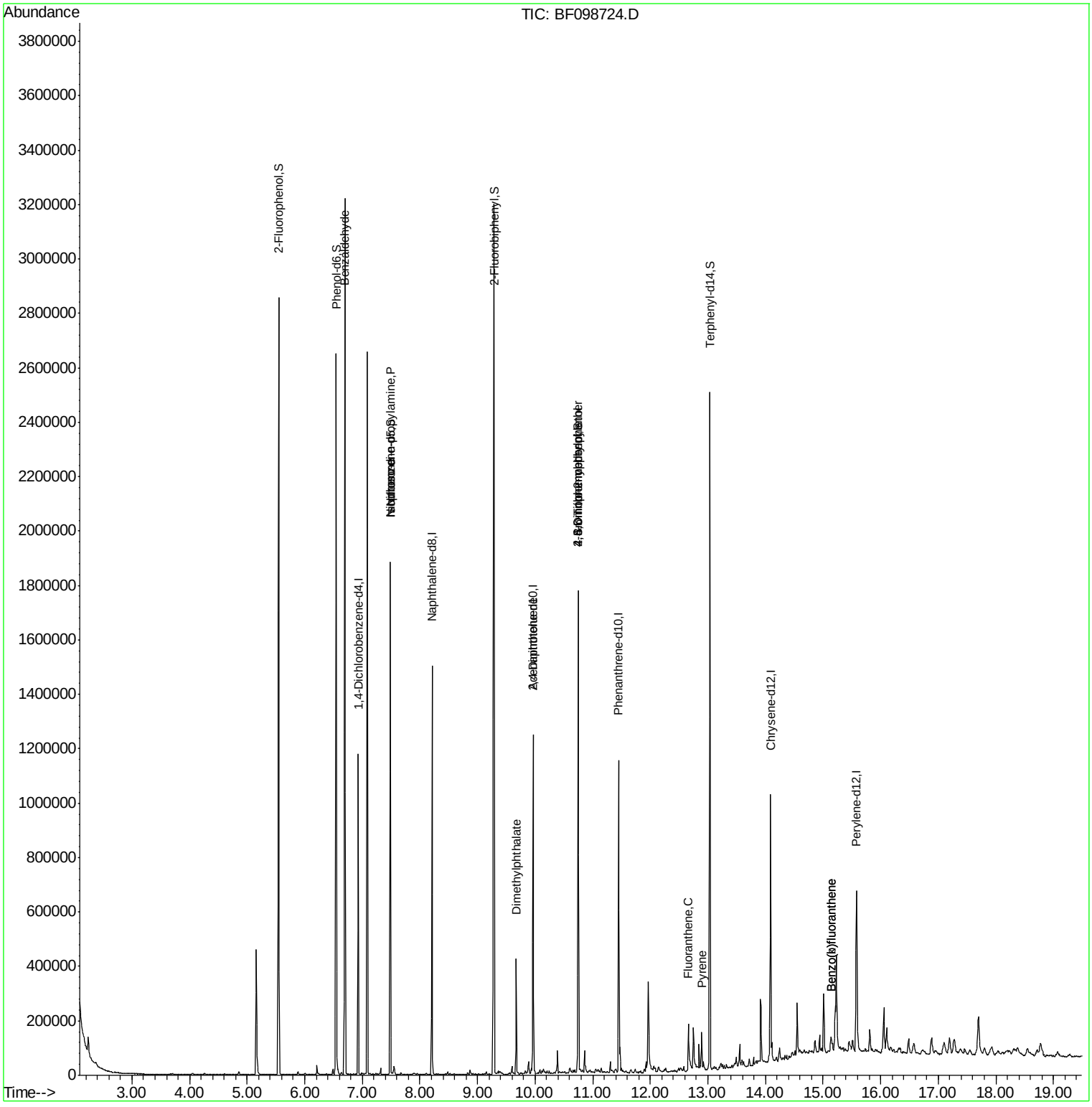
(#) = qualifier out of range (m) = manual integration (+) = signals summed

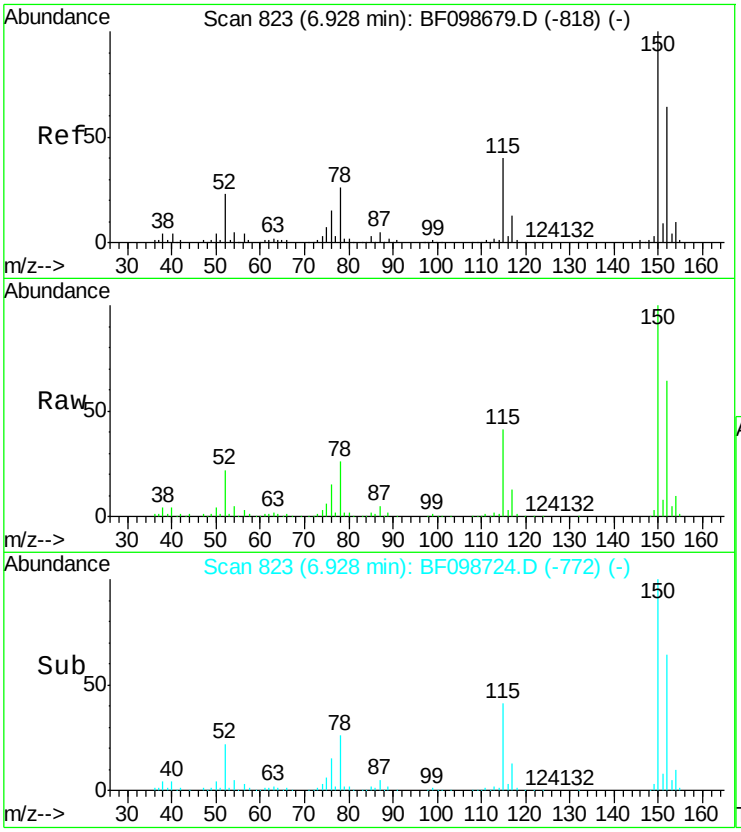
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098724.D
Acq On : 23 Sep 2017 4:21
Operator : SJ/JU
Sample : I5340-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 23 04:53:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration



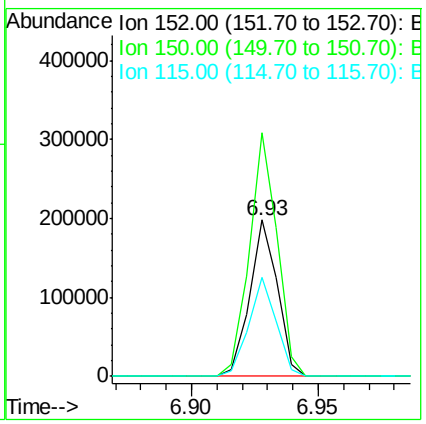


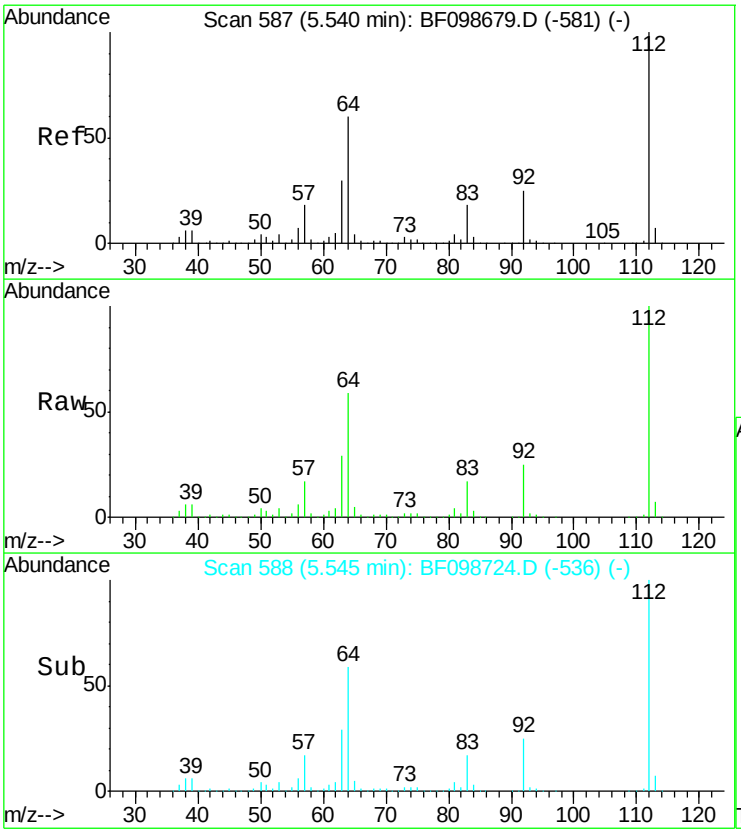

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:152 Resp: 151125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 124.6 | 186.8 |
| 115 | 63.2 | 50.1 | 75.1 |

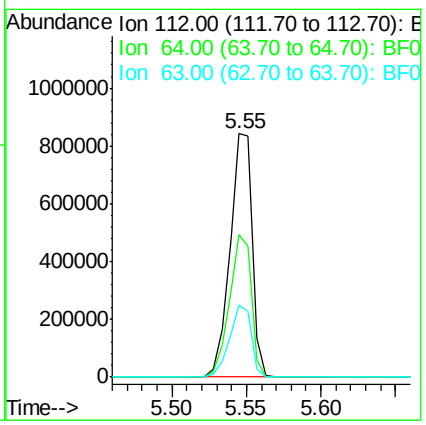


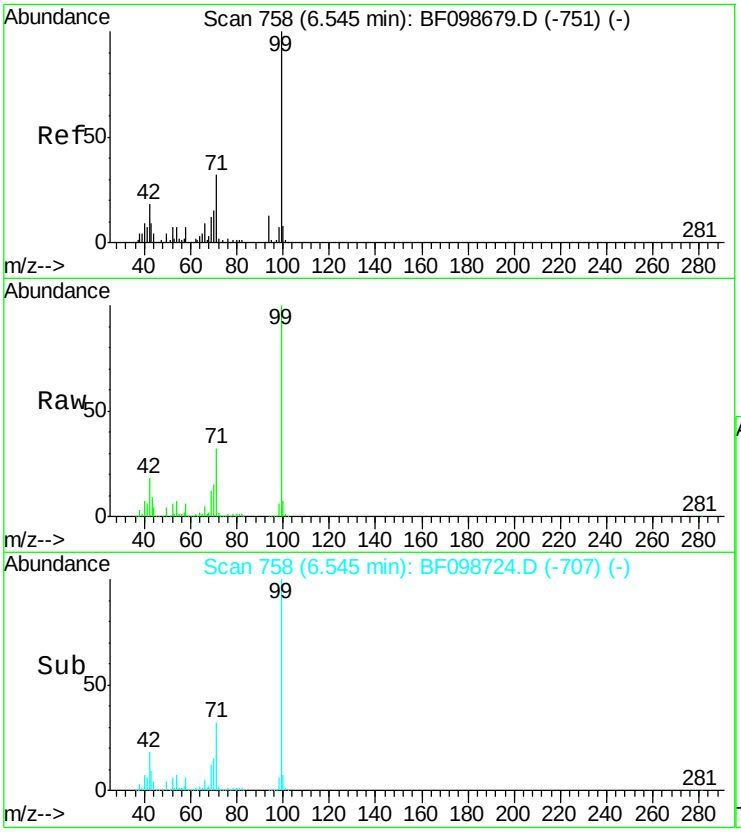




#5
2-Fluorophenol
Concen: 88.61 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:112 Resp: 881812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 47.9 | 71.9 |
| 63 | 29.4 | 23.7 | 35.5 |



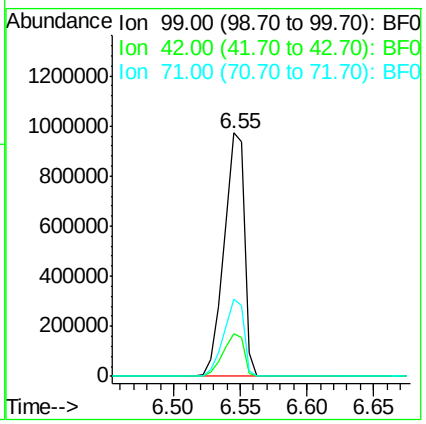


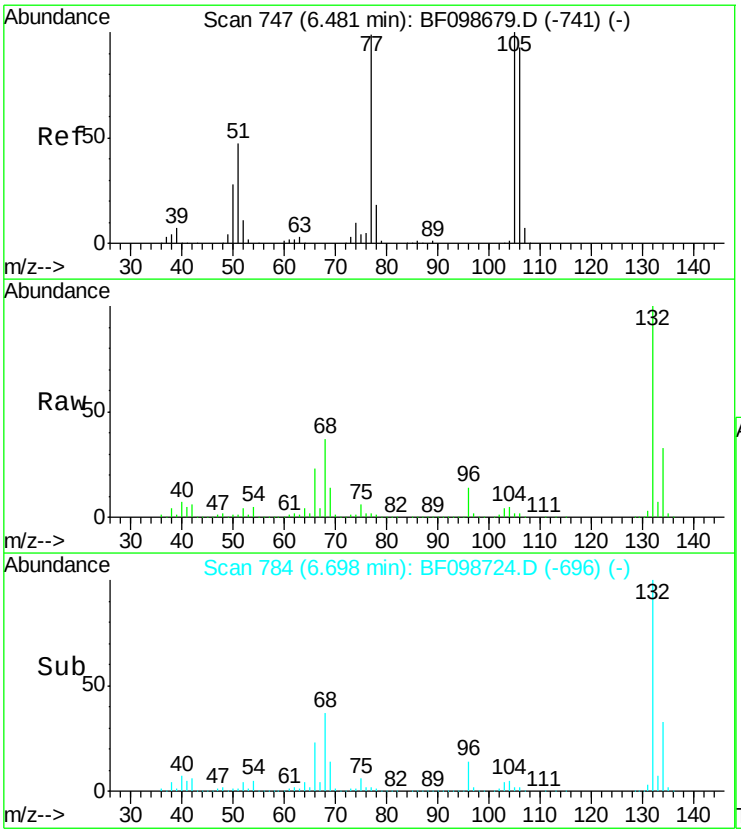

#7
Phenol-d6
Concen: 87.48 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion: 99 Resp: 1054311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.8 | 14.5 | 21.7 |
| 71 | 31.9 | 25.4 | 38.0 |

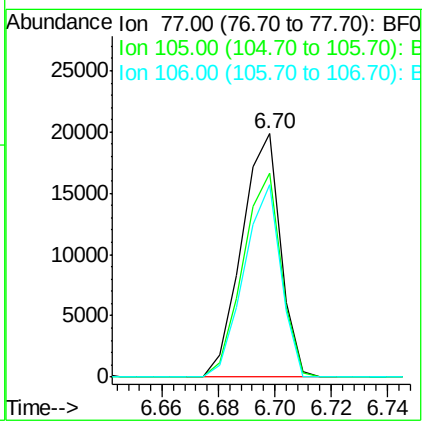


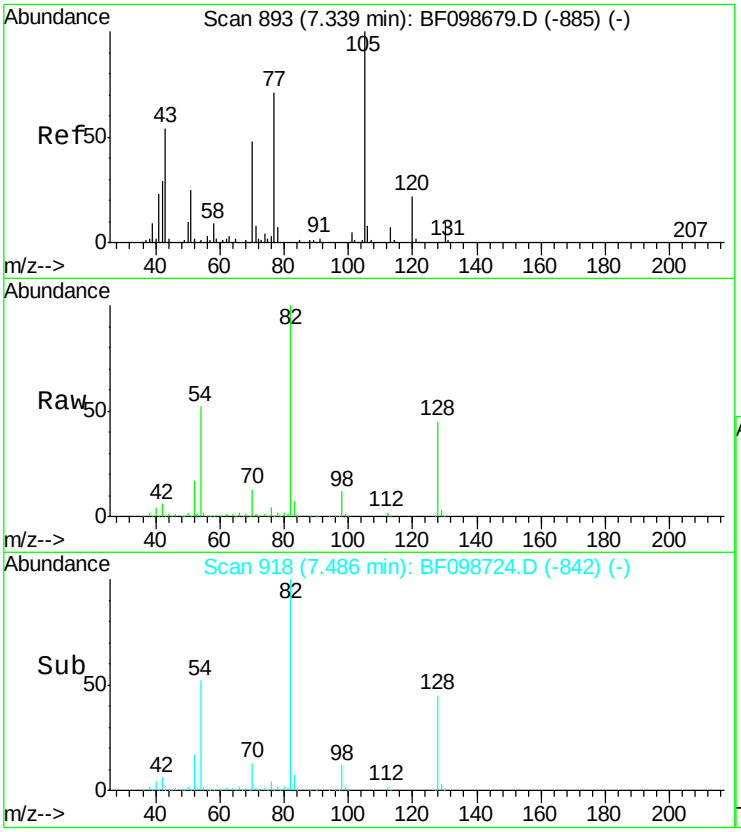




#9
Benzaldehyde
Concen: 2.80 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.22 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion: 77 Resp: 18941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 83.6 | 81.1 | 121.1 |
| 106 | 78.9 | 74.5 | 114.5 |



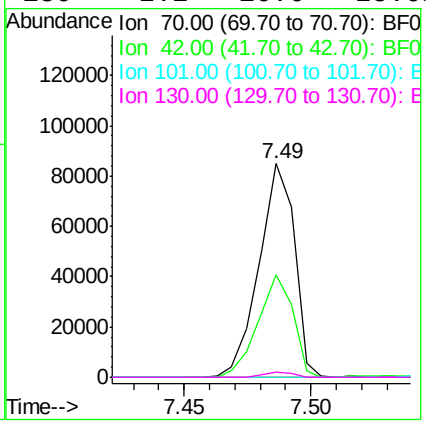


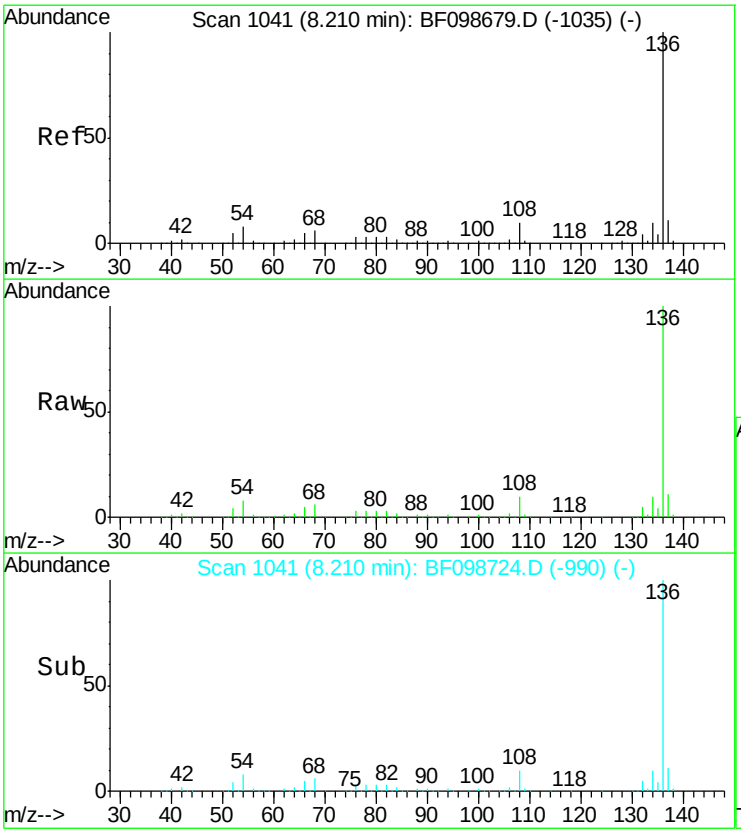

#19
n-Nitroso-di-n-propylamine
Concen: 11.03 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion: 70 Resp: 82344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.2 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 16.6 | 25.0# |

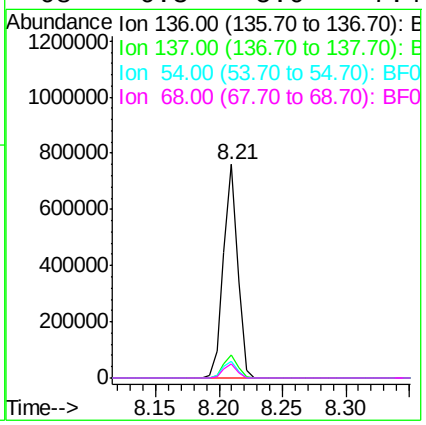


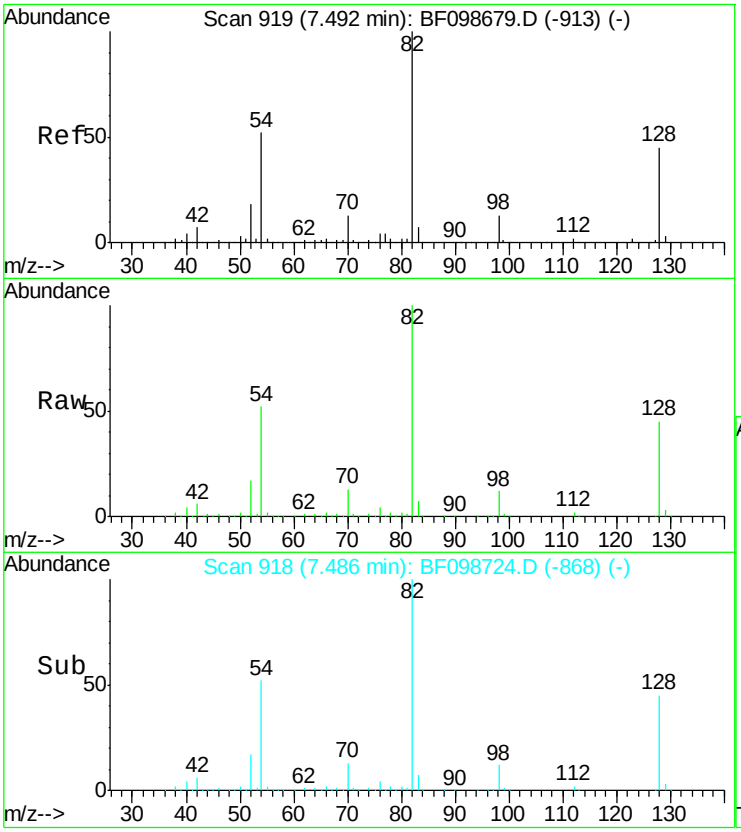




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:136 Resp: 597612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 7.9 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |



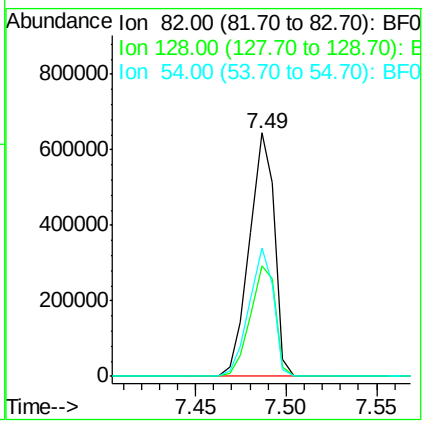


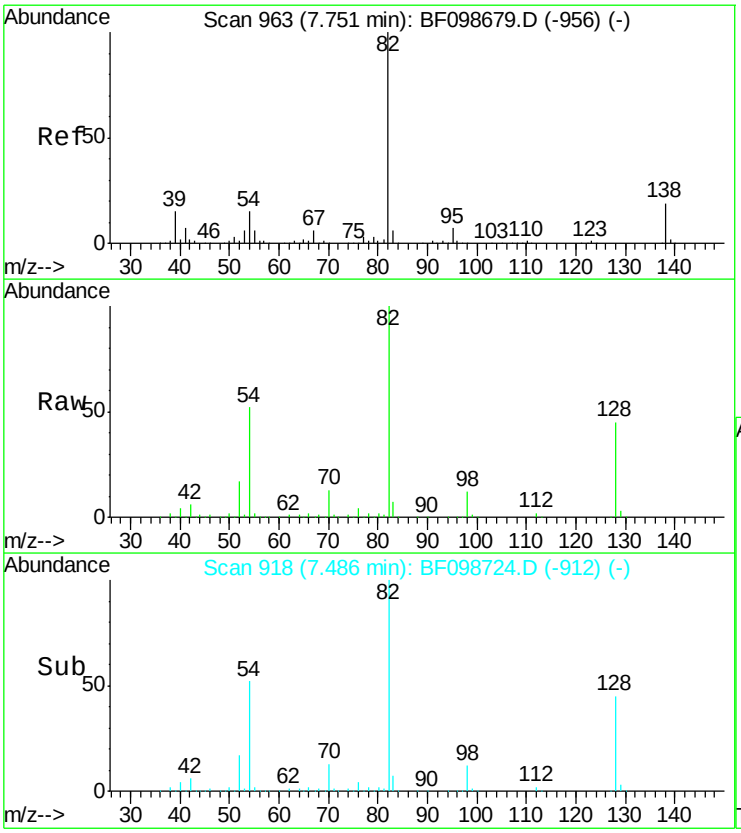

#23
Nitrobenzene-d5
Concen: 70.49 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion: 82 Resp: 621010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 36.1 | 54.1 |
| 54 | 52.5 | 41.4 | 62.2 |

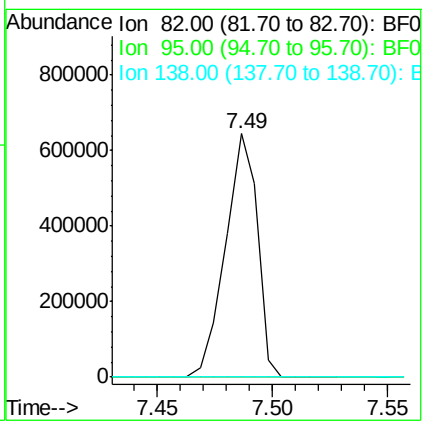


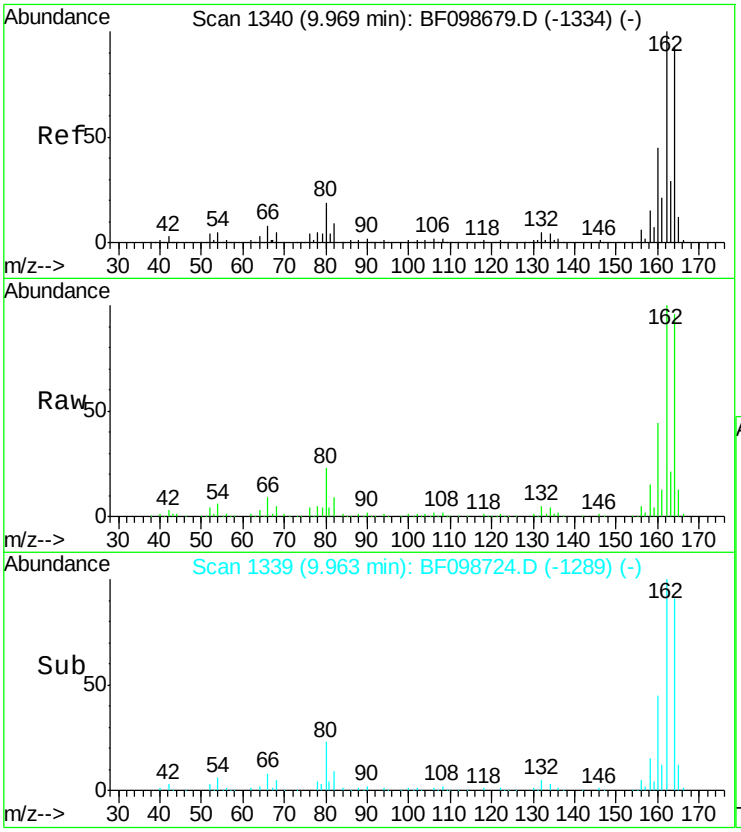




#25
Isophorone
Concen: 32.28 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.26 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion: 82 Resp: 620208

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



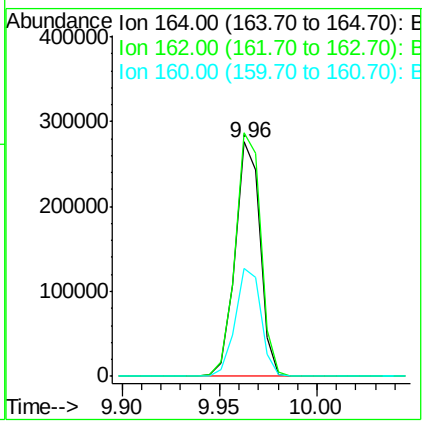


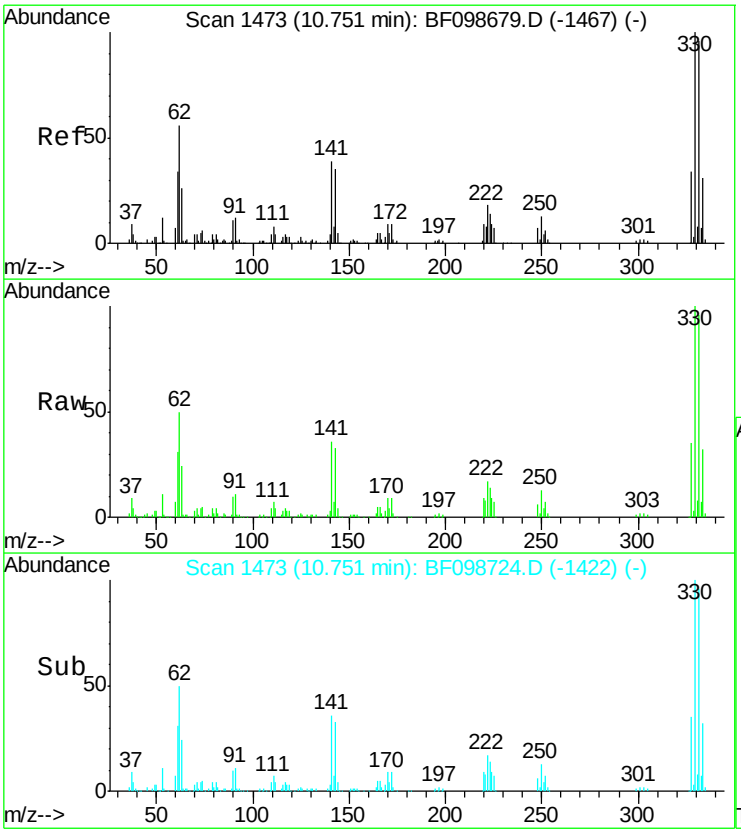

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:164 Resp: 245026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 86.1 | 129.1 |
| 160 | 46.1 | 38.3 | 57.5 |

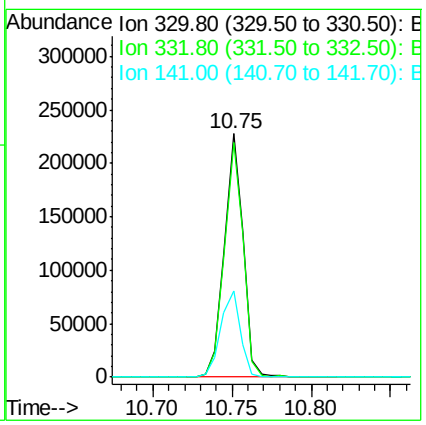


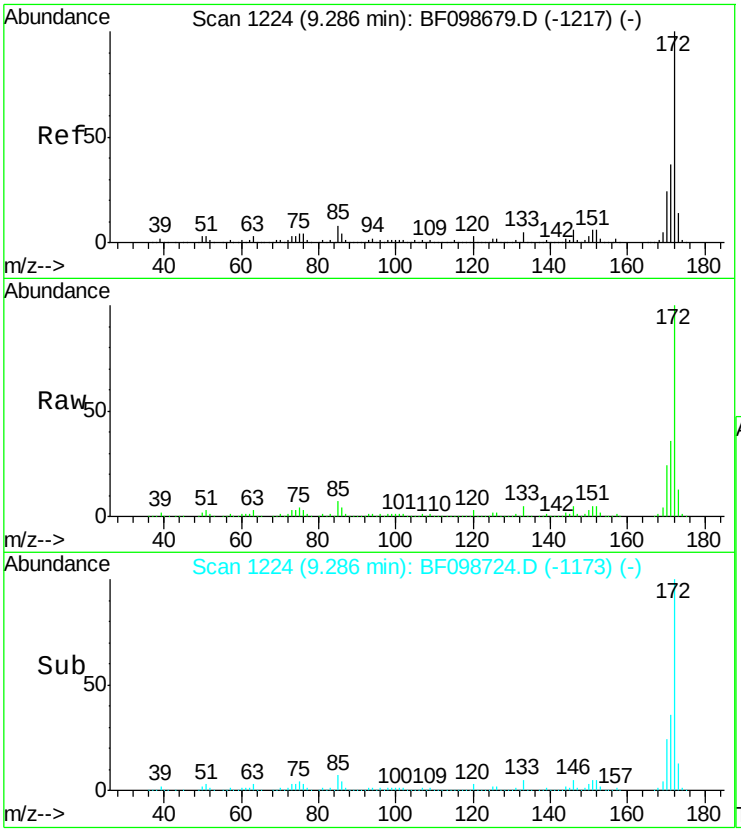




#41
2,4,6-Tribromophenol
Concen: 83.32 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:330 Resp: 186708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.0 | 115.6 |
| 141 | 37.3 | 29.9 | 44.9 |



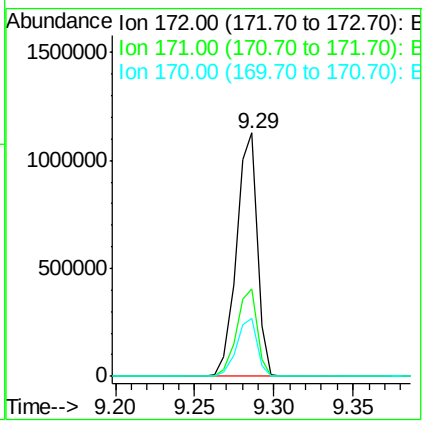


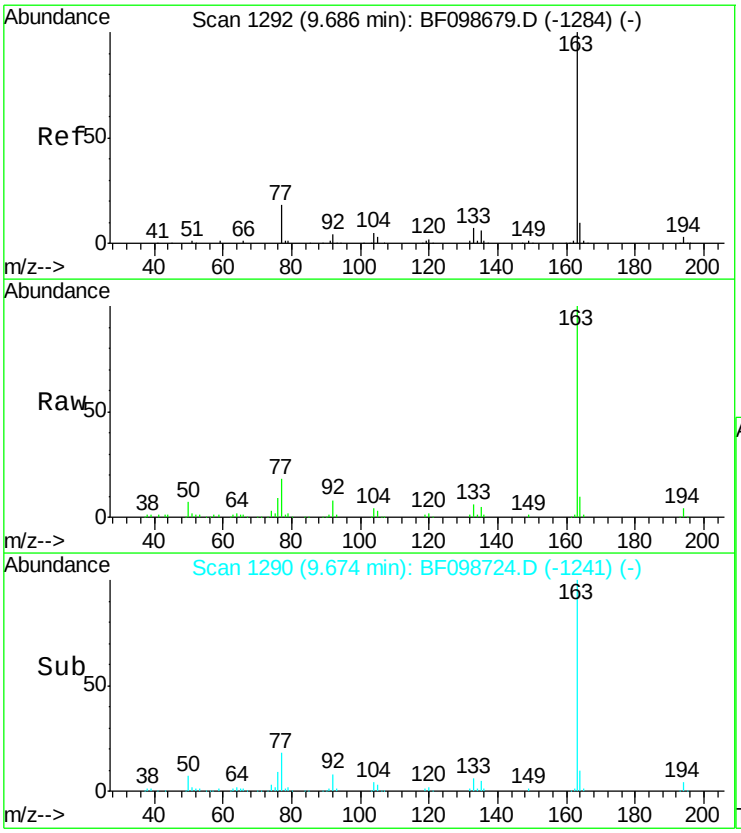

#44
2-Fluorobiphenyl
Concen: 66.86 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:172 Resp: 1029541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 23.7 | 19.6 | 29.4 |

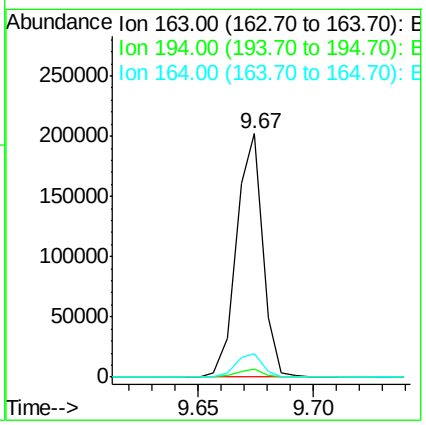


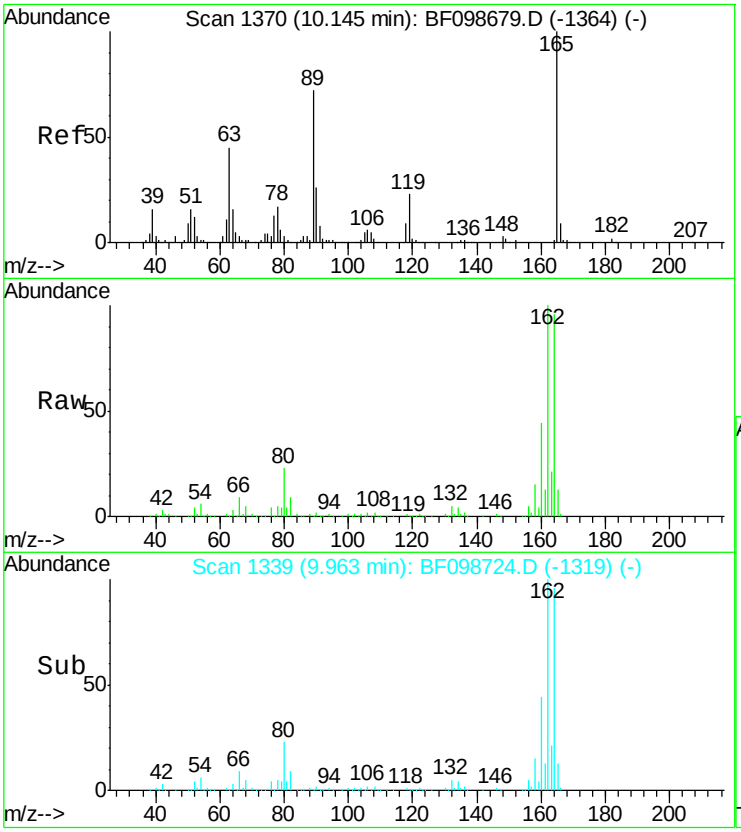




#49
Dimethylphthalate
Concen: 8.70 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:163 Resp: 159853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.7 | 4.1 |
| 164 | 9.7 | 8.2 | 12.2 |



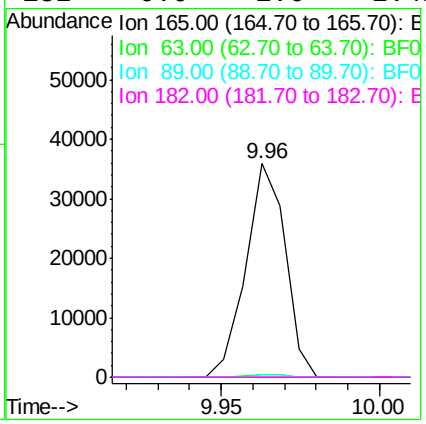


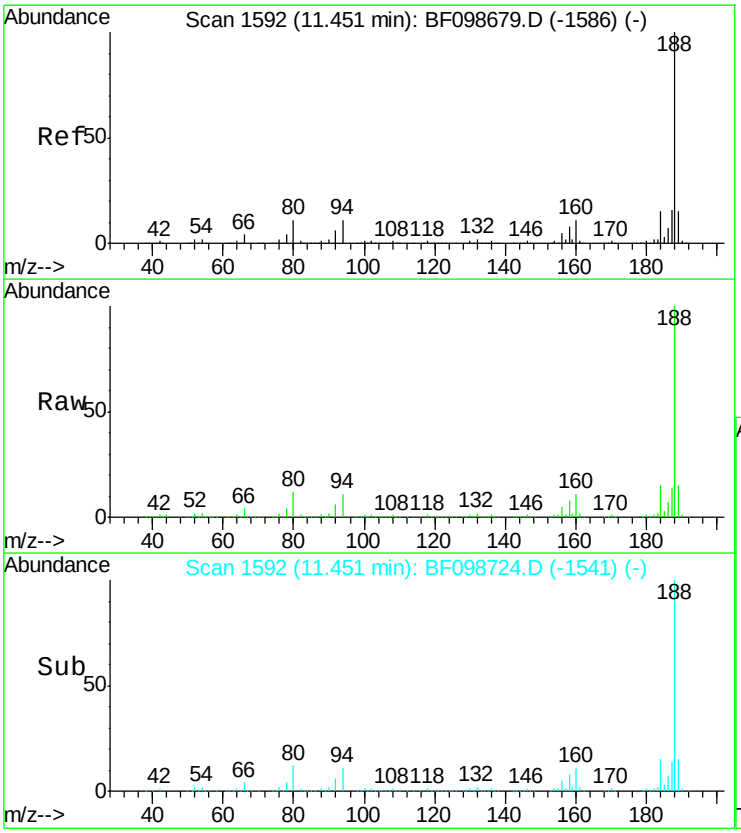

#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.18 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:165 Resp: 30992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 36.4 | 54.6# |
| 89 | 1.3 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

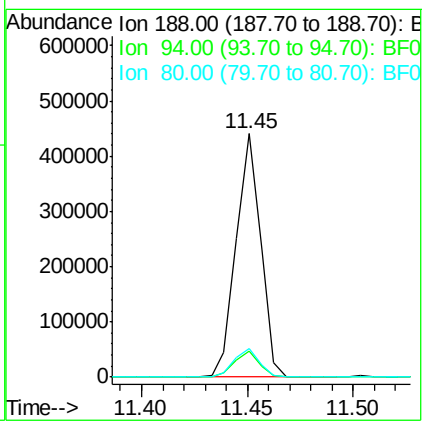


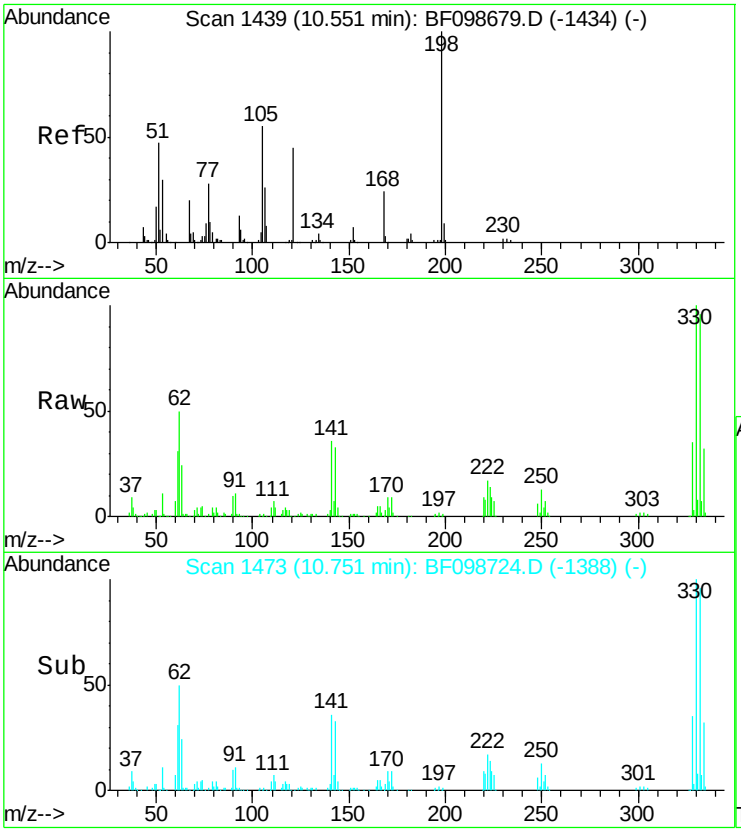




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:188 Resp: 353026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.5 | 12.7 |
| 80 | 11.8 | 9.2 | 13.8 |



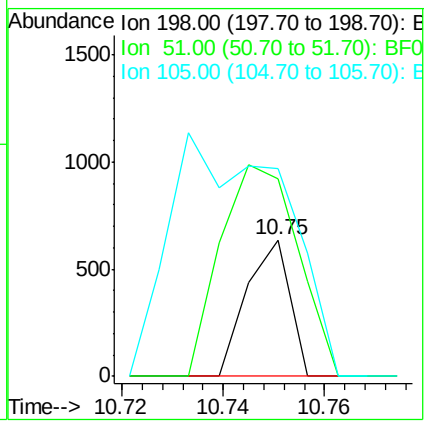


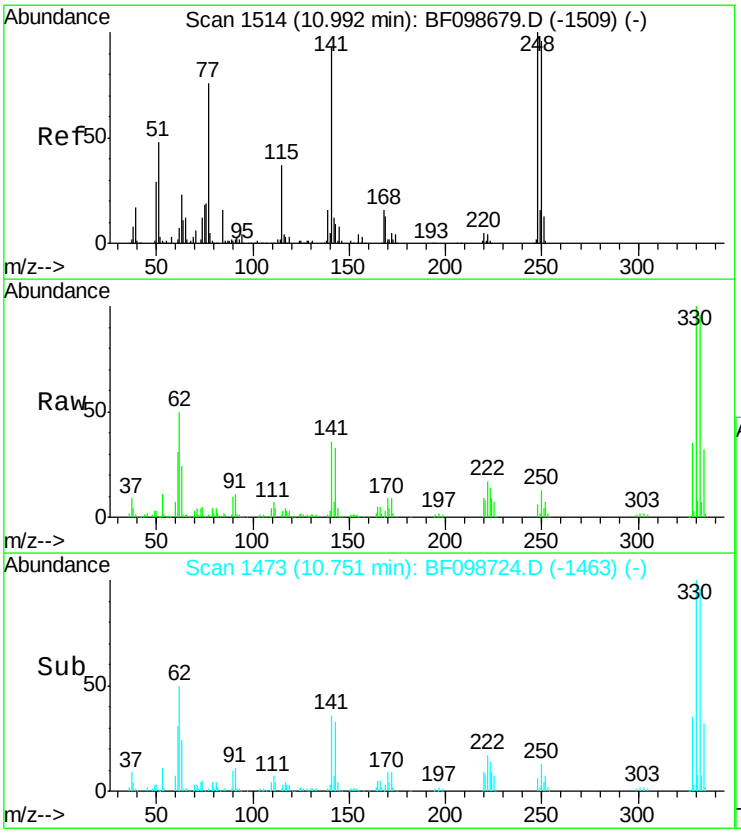

#64
4,6-Dinitro-2-methylphenol
Concen: 9.12 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:198 Resp: 378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 144.7 | 37.7 | 77.7# |
| 105 | 152.6 | 36.3 | 76.3# |

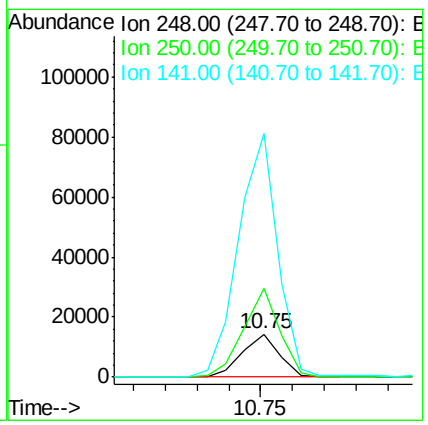


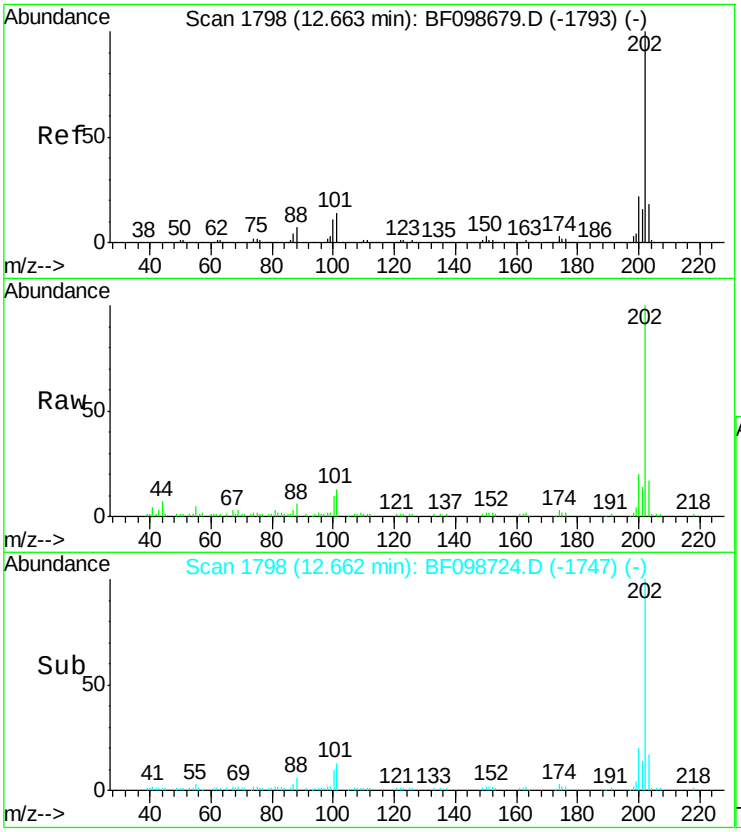




#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:248 Resp: 11584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 204.9 | 76.9 | 115.3# |
| 141 | 564.0 | 74.4 | 111.6# |



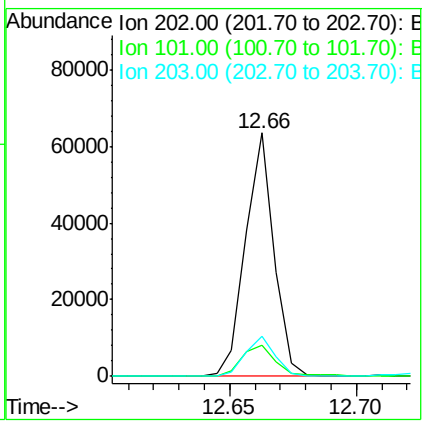


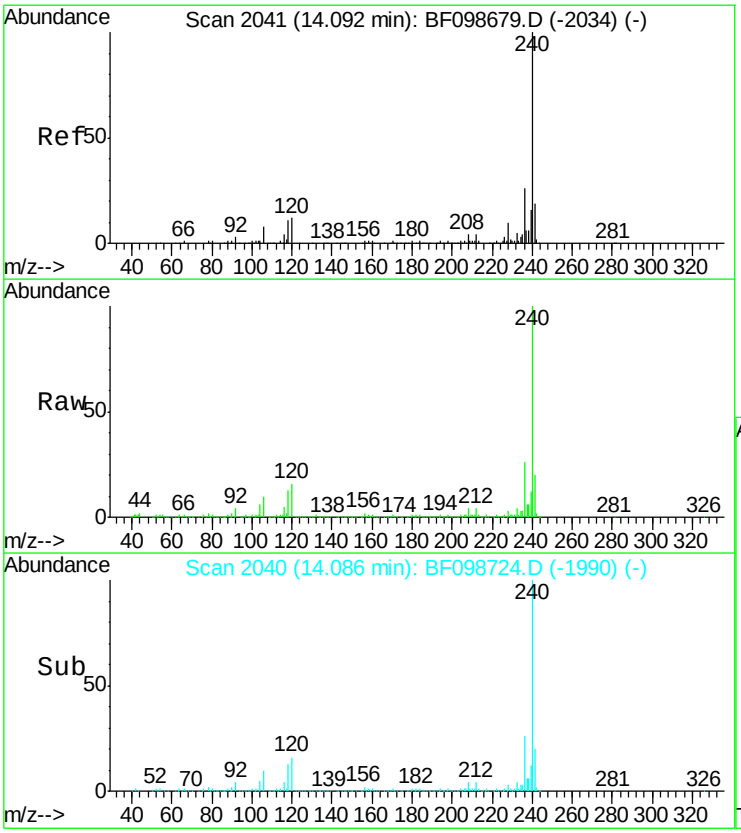

#74
Fluoranthene
Concen: 2.59 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:202 Resp: 49467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 34.1 |
| 203 | 16.6 | 0.0 | 38.1 |

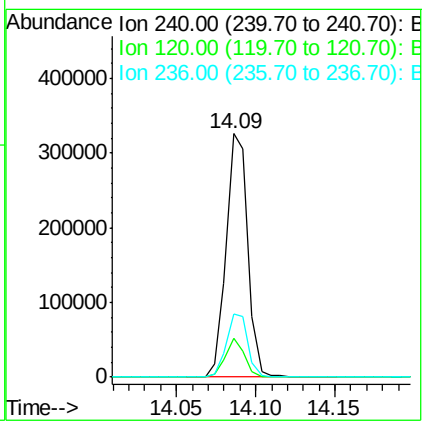


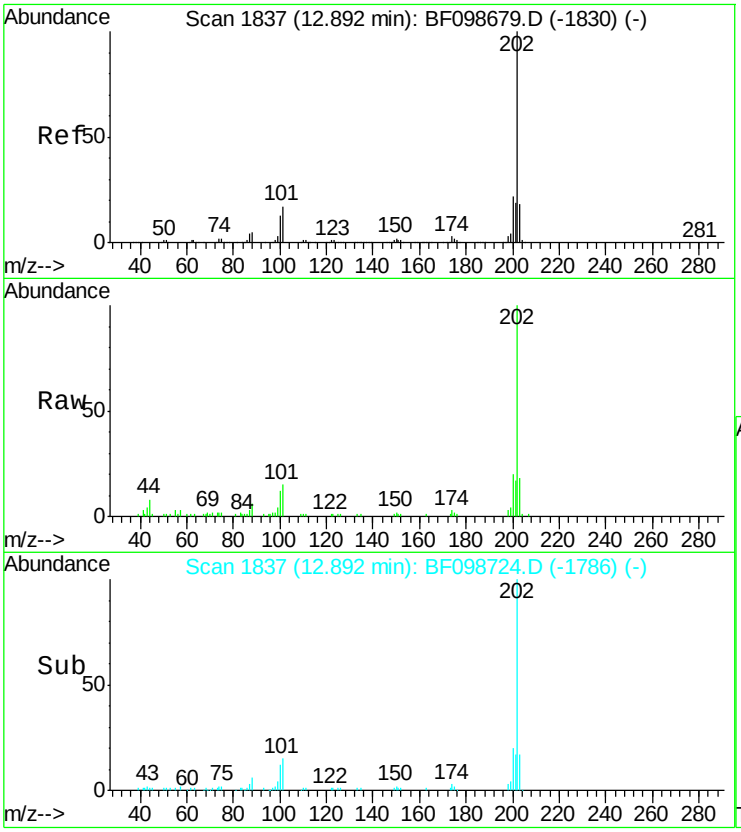




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:240 Resp: 308245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.8 | 9.5 | 14.3# |
| 236 | 26.1 | 20.7 | 31.1 |



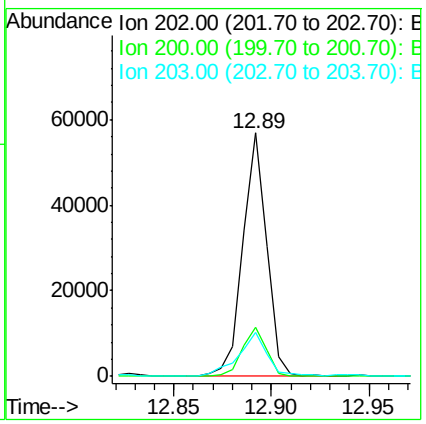


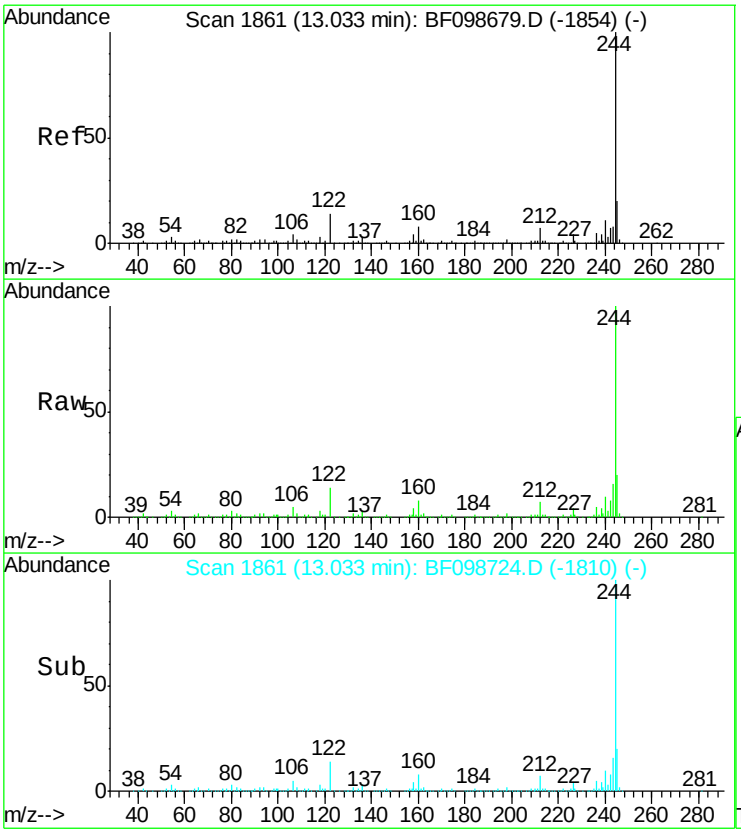

#77
Pyrene
Concen: 2.11 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:202 Resp: 48205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 17.4 | 26.2 |
| 203 | 18.0 | 14.3 | 21.5 |

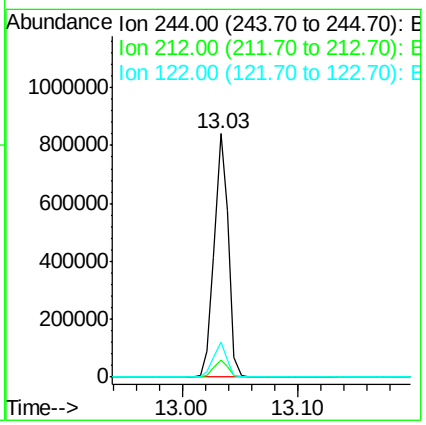


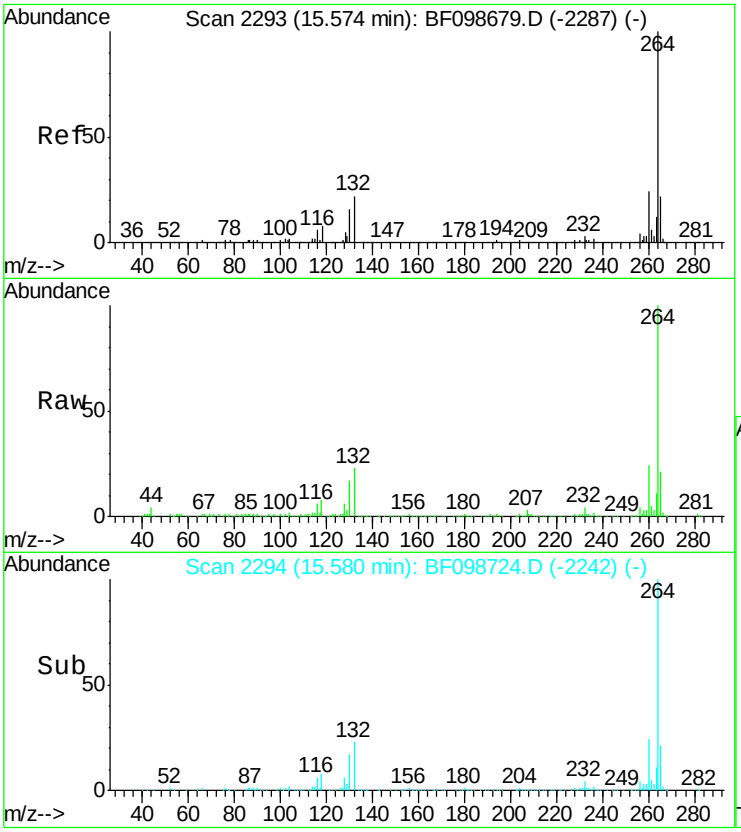




#78
Terphenyl-d14
Concen: 49.33 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:244 Resp: 708182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 14.5 | 11.0 | 16.4 |



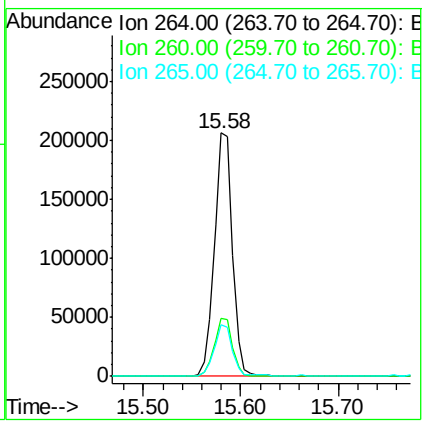


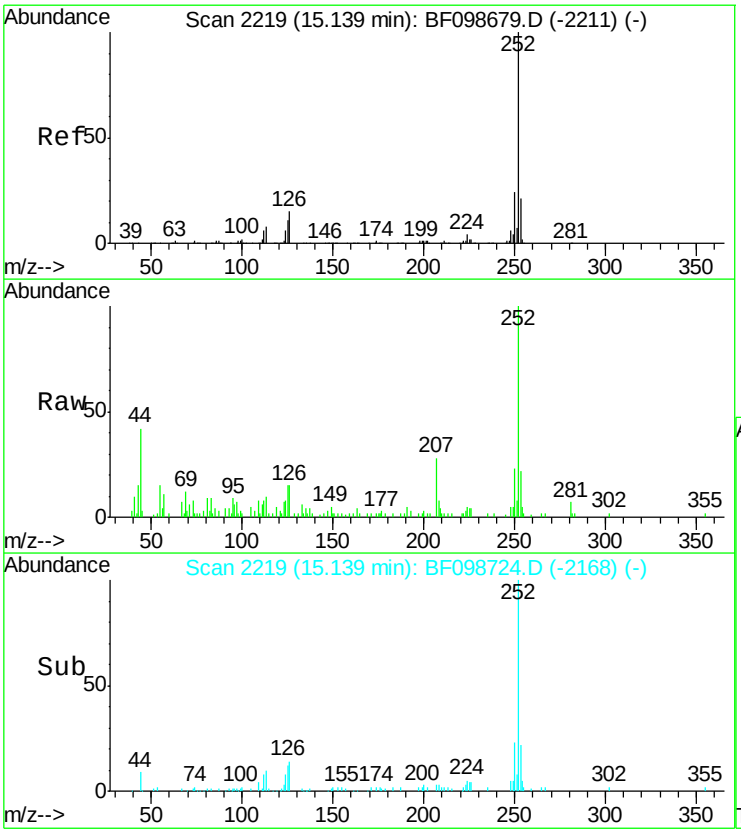

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:264 Resp: 265169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |

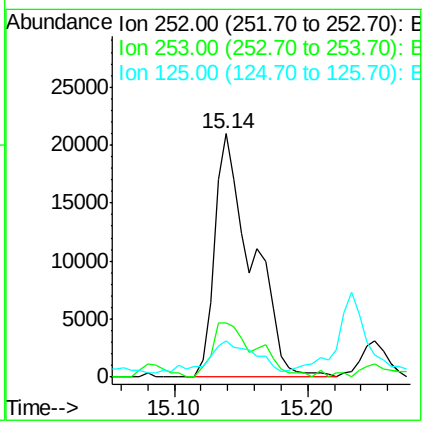


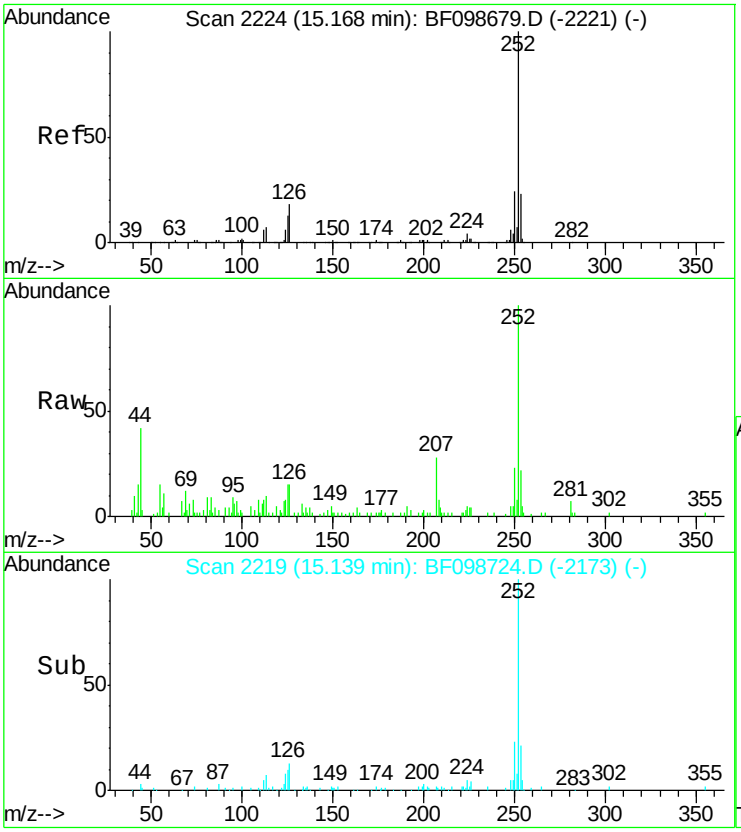




#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

Tgt Ion:252 Resp: 40821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.0 | 25.6 |
| 125 | 14.7 | 9.0 | 13.6# |






#88
Benzo(k)fluoranthene
Concen: 2.66 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098724.D
Acq: 23 Sep 2017 4:21

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

Tgt Ion:252 Resp: 40821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.9 | 26.9 |
| 125 | 14.7 | 10.2 | 15.2 |