Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098012.D
Acq On : 24 Aug 2017 20:02
Operator : SJ/JU
Sample : I4925-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RWB-2

Quant Time: Aug 25 01:02:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 109012 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.02 | 136 | 432634 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 188180 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 361162 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.88 | 240 | 272094 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.30 | 264 | 233616 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 973720 | 135.87 | ng | | 0.00 |
| 7) Phenol-d6 | 6.37 | 99 | 1291947 | 132.68 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 751153 | 94.32 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 214970 | 131.66 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 886544 | 69.22 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.84 | 244 | 734514 | 56.29 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.39 | 94 | 31972 | 2.81 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 101306 | 15.20 | ng | # | 70 |
| 25) Isophorone | 7.30 | 82 | 735141 | 44.39 | ng | # | 67 |
| 49) Dimethylphthalate | 9.49 | 163 | 171448 | 12.46 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.77 | 165 | 24593 | 7.14 | ng | # | 33 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 568 | 8.60 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 14527 | 3.87 | ng | # | 1 |
| 74) Fluoranthene | 12.46 | 202 | 88412 | 4.40 | ng | | 98 |
| 77) Pyrene | 12.69 | 202 | 80267 | 3.61 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.87 | 228 | 40742 | 2.50 | ng | | 96 |
| 82) Chrysene | 13.90 | 228 | 41173 | 2.54 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 63741 | 4.33 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.89 | 252 | 63741 | 4.61 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.23 | 252 | 32983 | 2.53 | ng | | 94 |

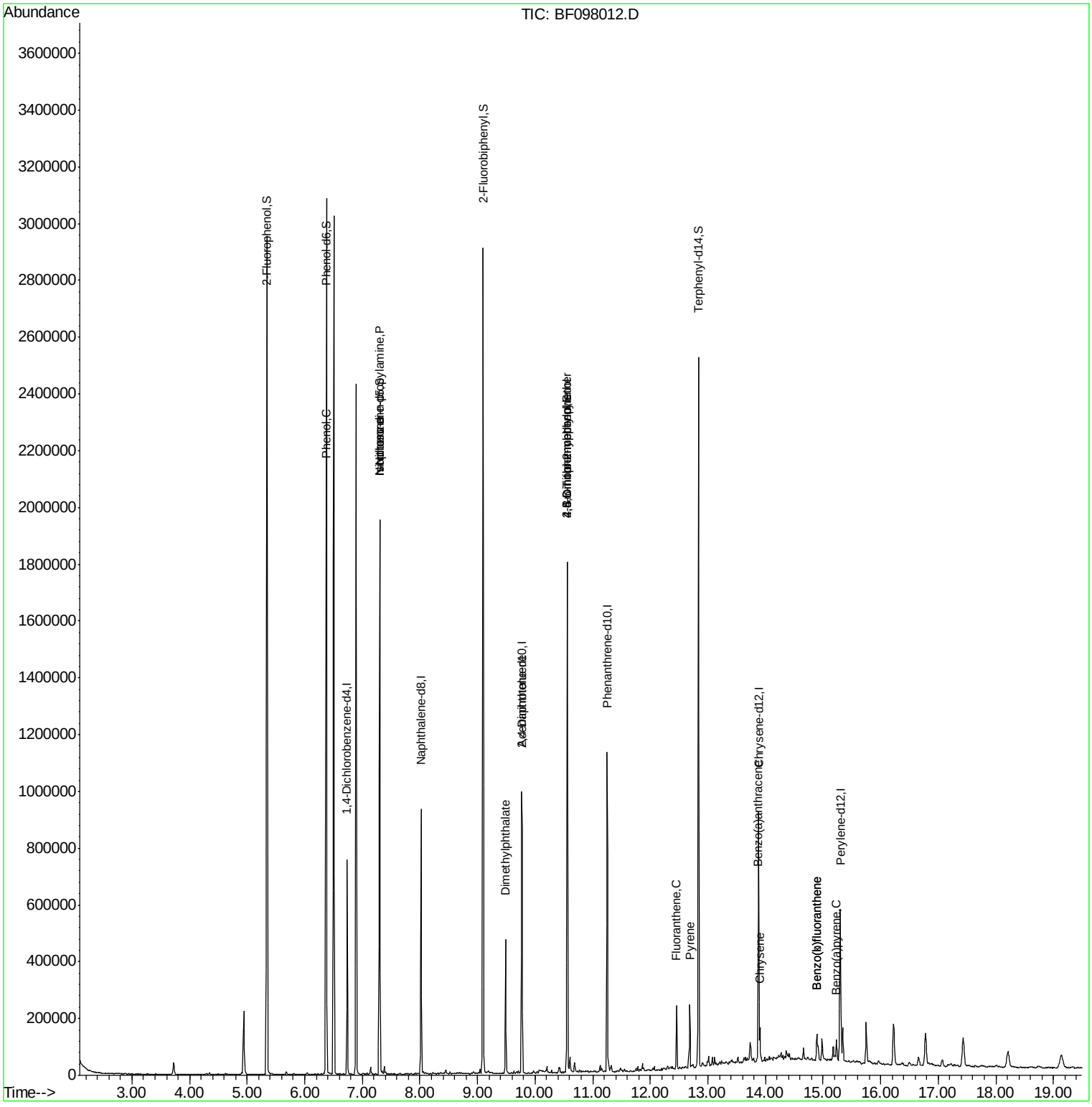
(#) = qualifier out of range (m) = manual integration (+) = signals summed

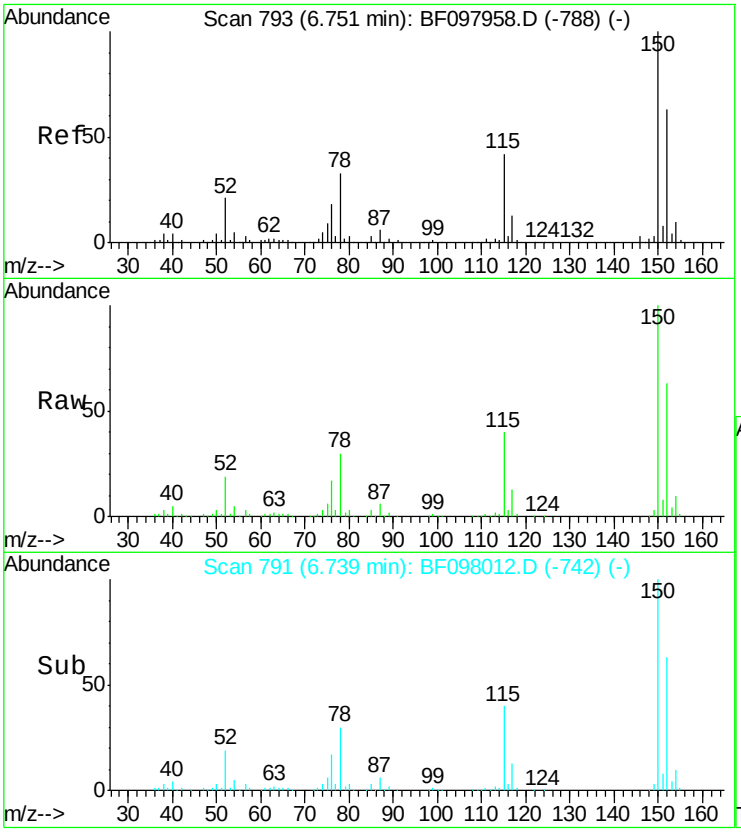
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098012.D
Acq On : 24 Aug 2017 20:02
Operator : SJ/JU
Sample : I4925-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Quant Time: Aug 25 01:02:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



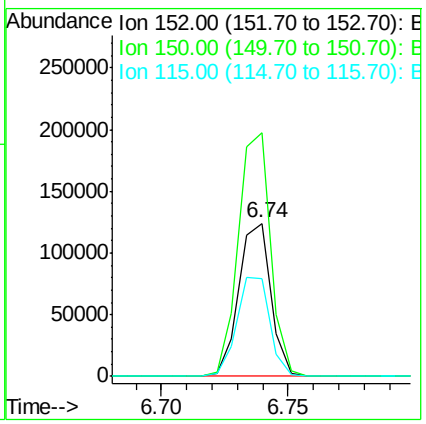


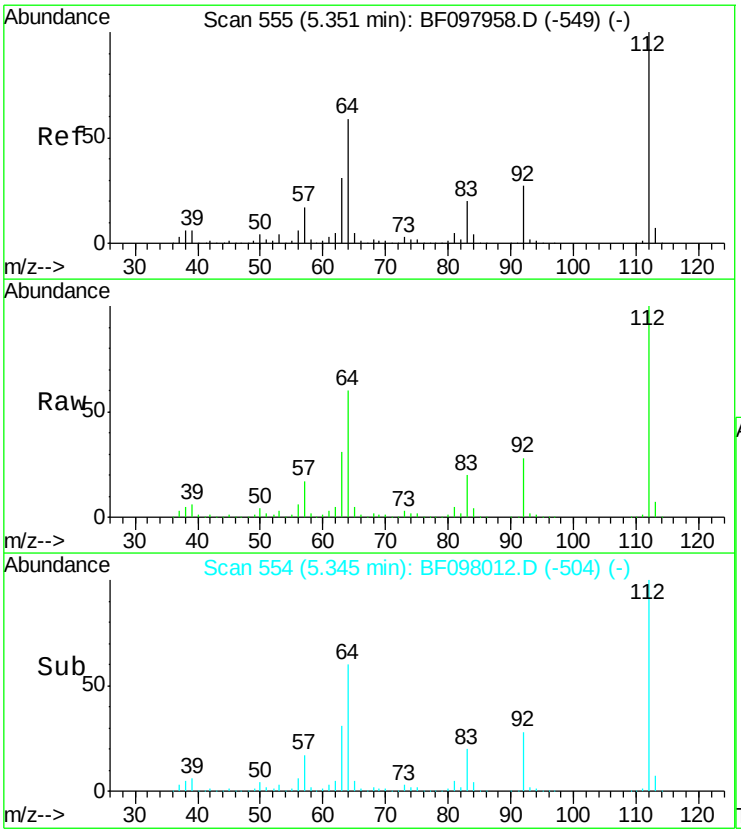

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:152 Resp: 109012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.4 | 126.2 | 189.2 |
| 115 | 64.1 | 52.2 | 78.2 |

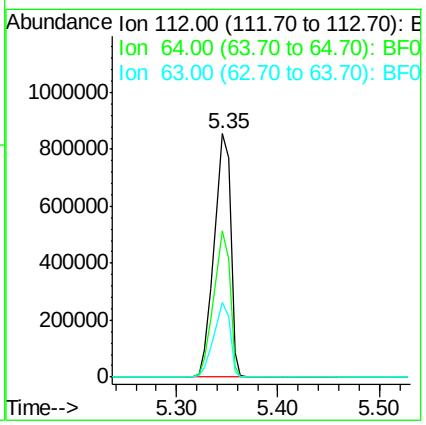


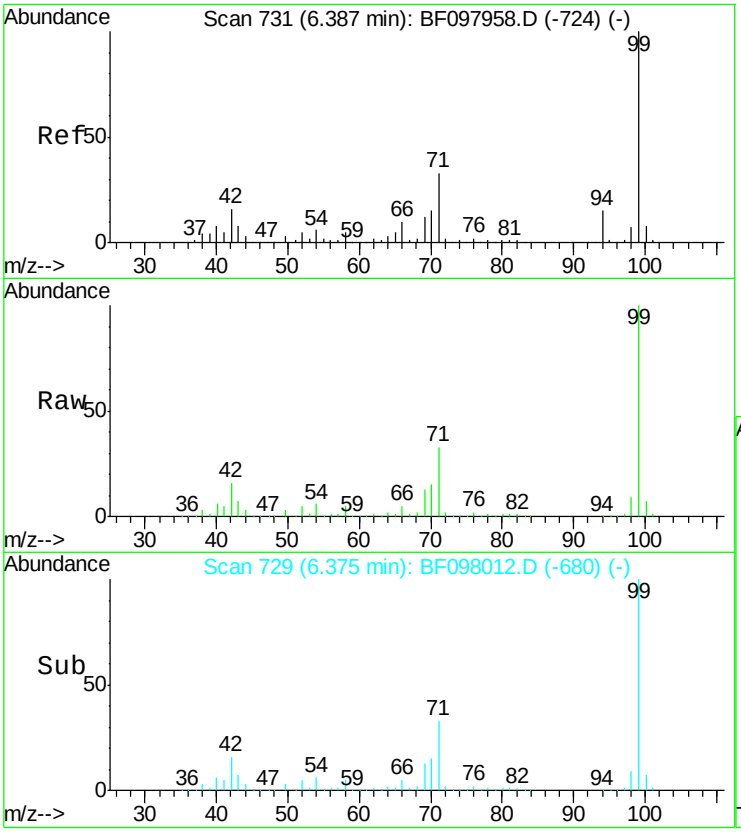




#5
2-Fluorophenol
Concen: 135.87 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:112 Resp: 973720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 46.0 | 69.0 |
| 63 | 30.6 | 23.4 | 35.0 |



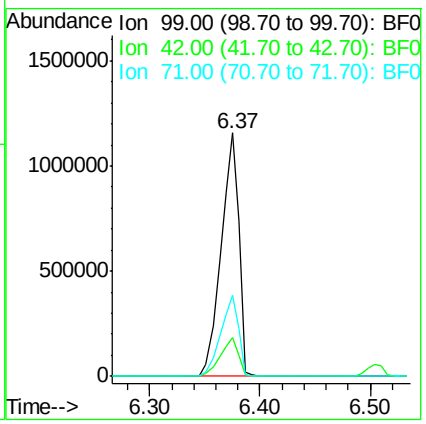


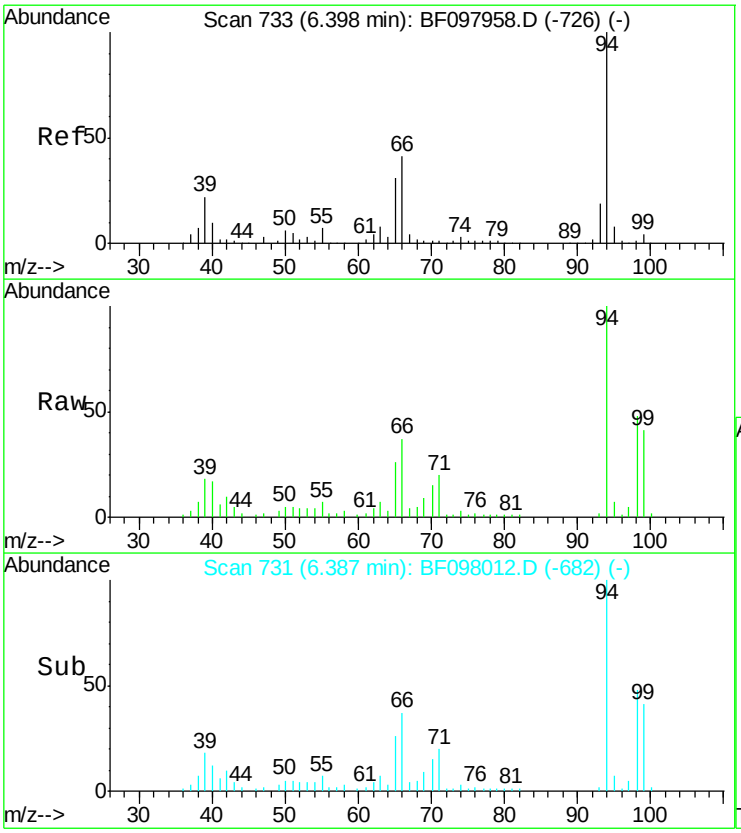

#7
Phenol-d6
Concen: 132.68 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion: 99 Resp: 1291947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 13.5 | 20.3 |
| 71 | 33.2 | 24.5 | 36.7 |

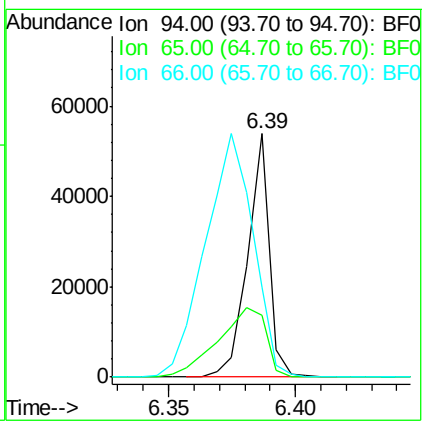


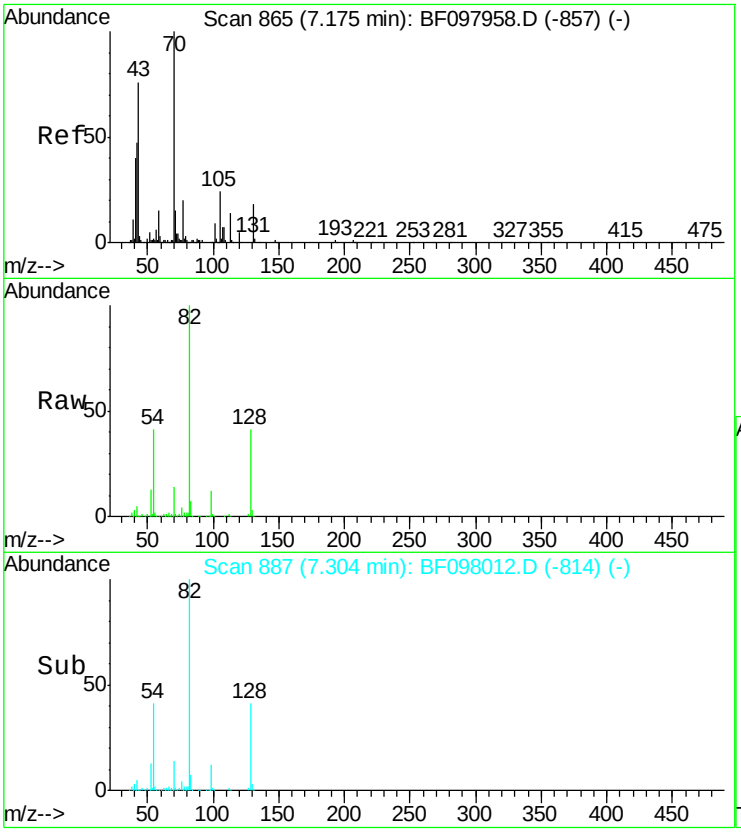




#10
Phenol
Concen: 2.81 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion: 94 Resp: 31972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.6 | 9.9 | 49.9 |
| 66 | 37.0 | 23.1 | 63.1 |



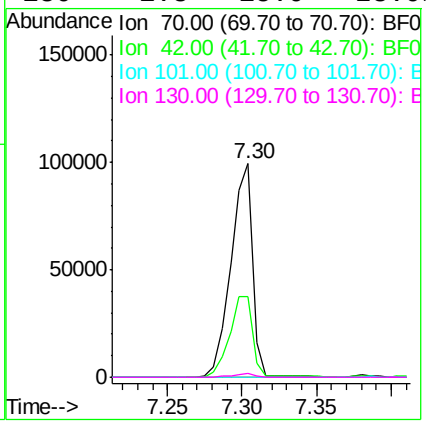


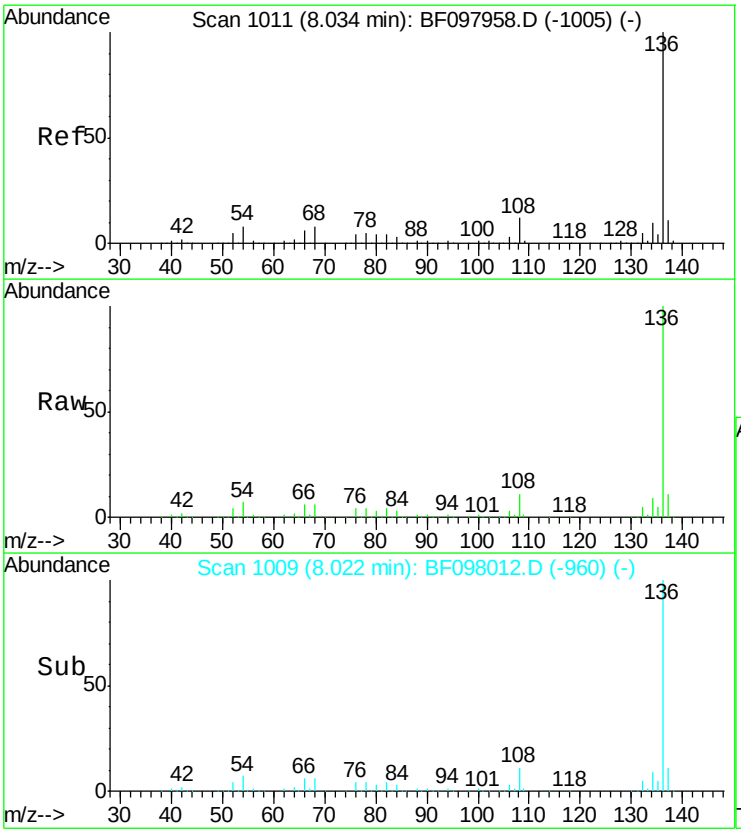

#19
n-Nitroso-di-n-propylamine
Concen: 15.20 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion: 70 Resp: 101306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.0 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 1.8 | 15.9 | 23.9# |

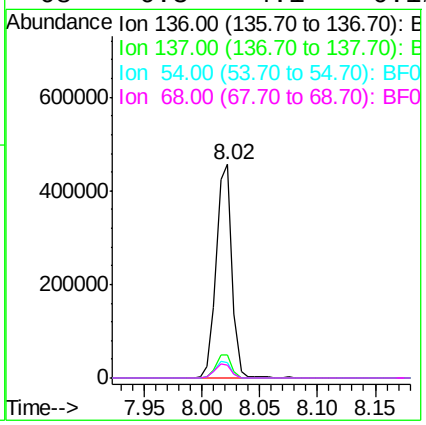


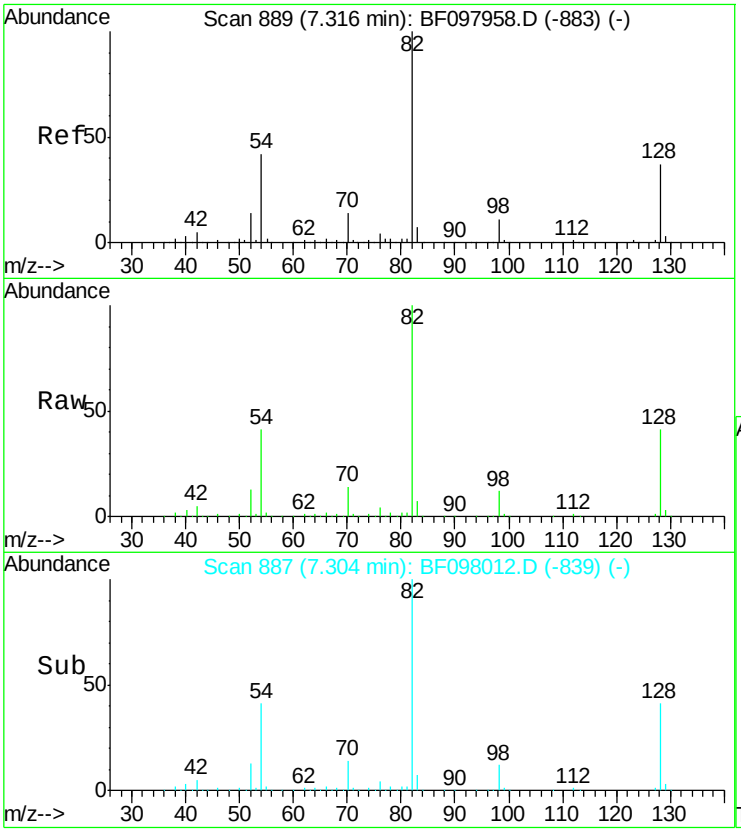




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:136 Resp: 432634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.5 | 12.7 |
| 54 | 7.0 | 4.9 | 7.3 |
| 68 | 6.3 | 4.1 | 6.1# |



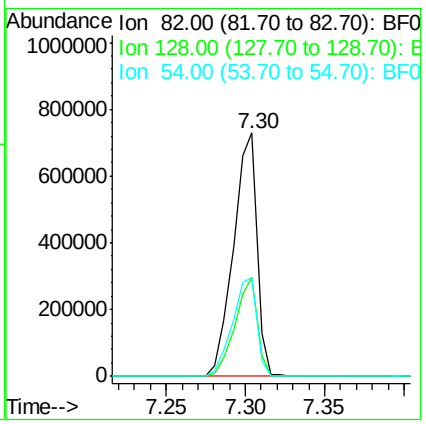


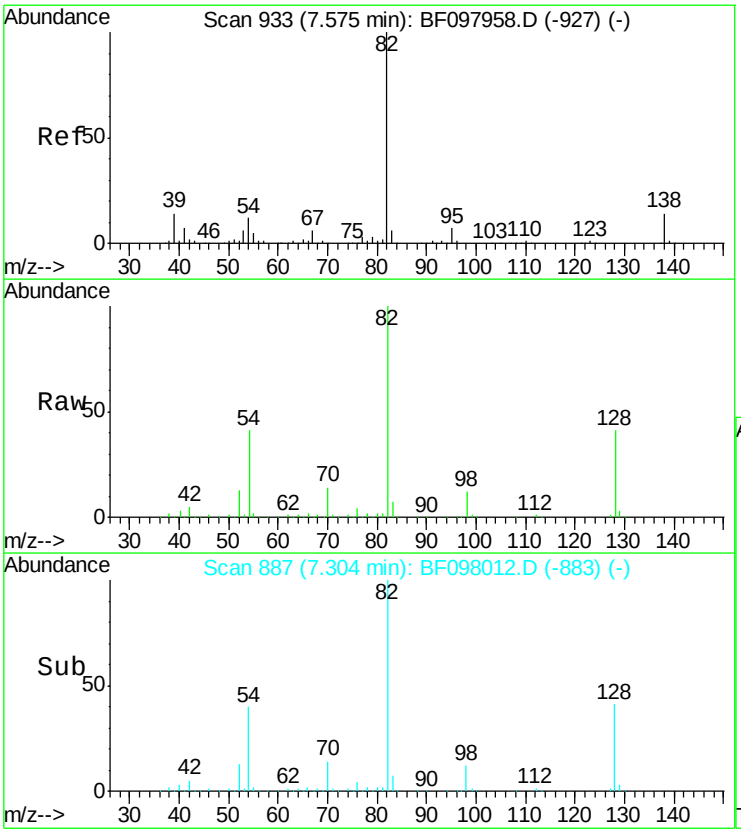

#23
Nitrobenzene-d5
Concen: 94.32 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion: 82 Resp: 751153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.7 | 34.0 | 51.0 |
| 54 | 40.6 | 42.2 | 63.2# |

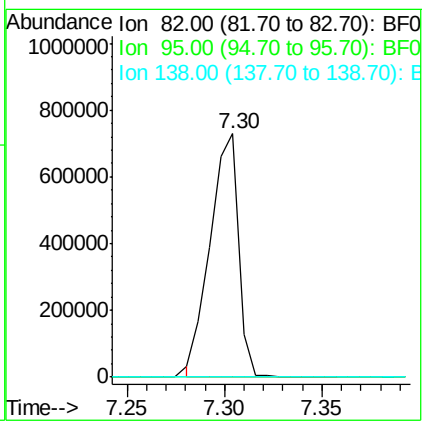


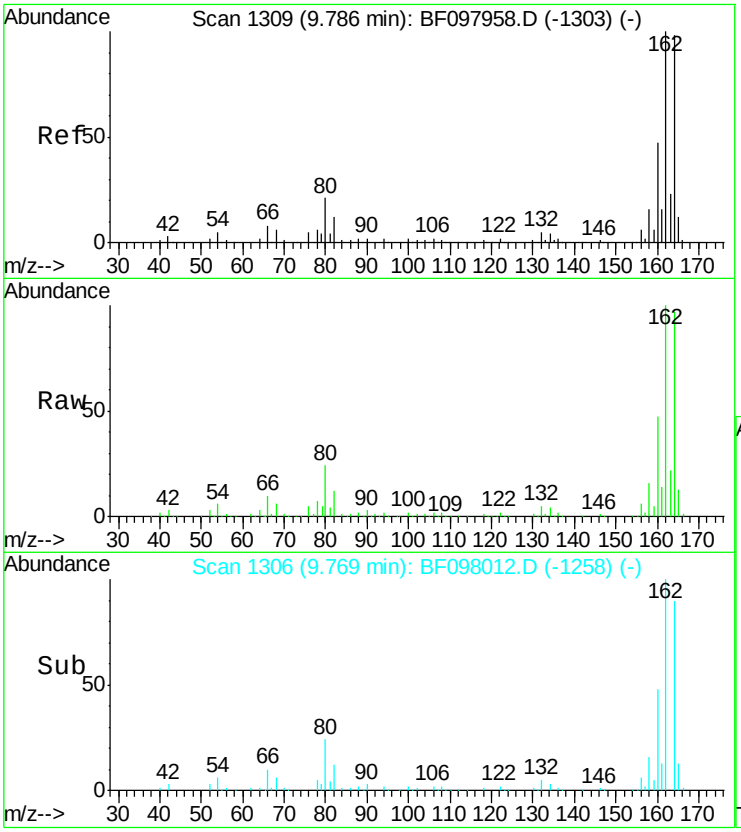




#25
Isophorone
Concen: 44.39 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion: 82 Resp: 735141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.3 | 7.9# |
| 138 | 0.0 | 13.1 | 19.7# |



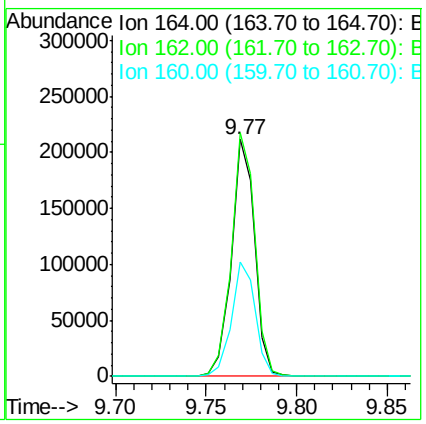


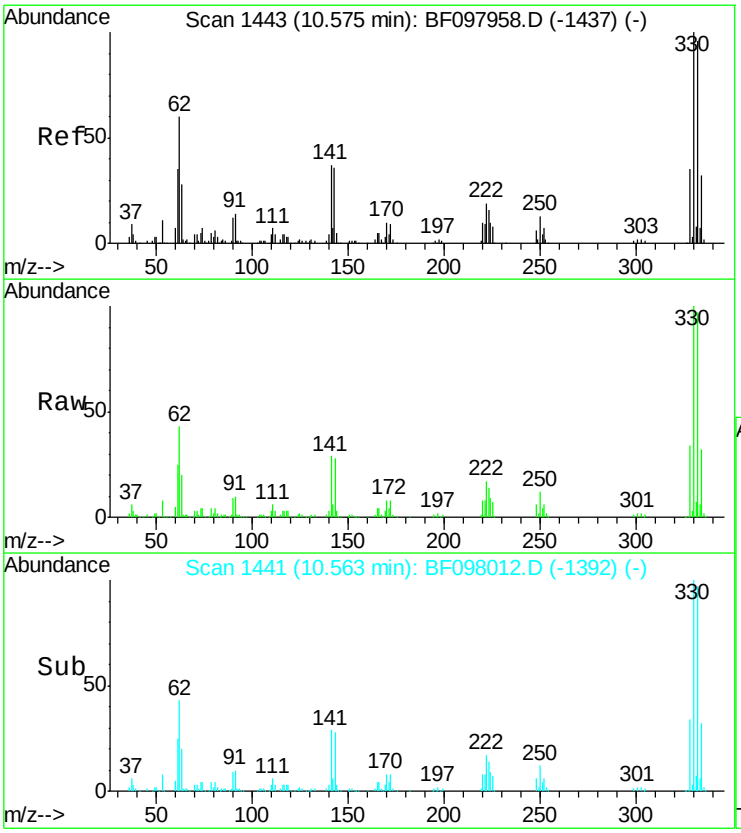

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:164 Resp: 188180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 82.6 | 123.8 |
| 160 | 48.5 | 36.2 | 54.2 |

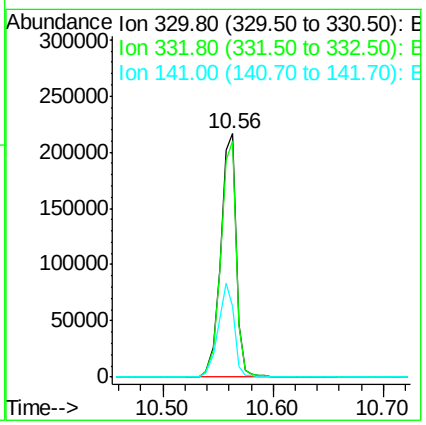


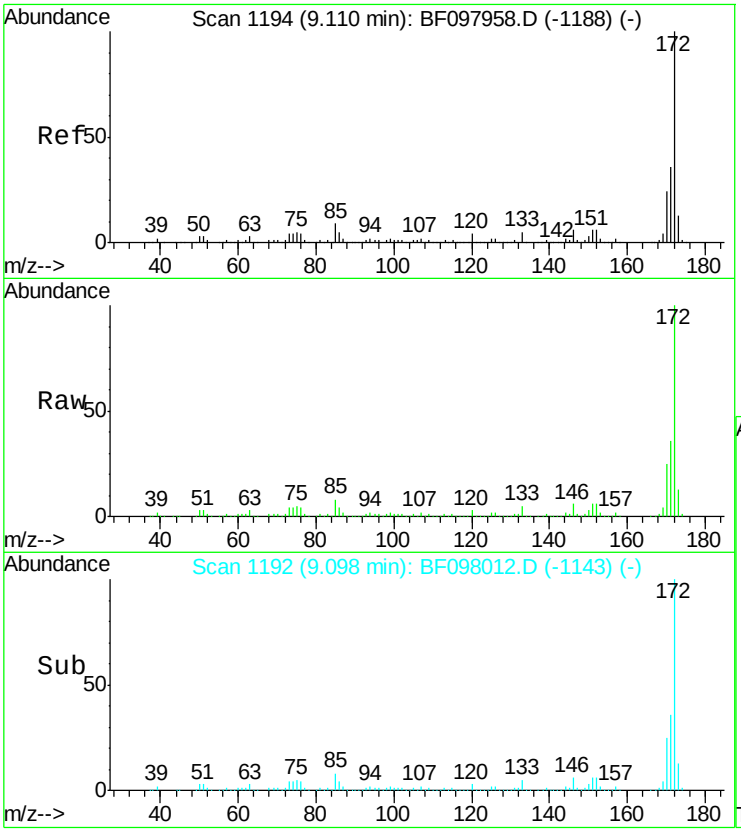




#41
2,4,6-Tribromophenol
Concen: 131.66 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:330 Resp: 214970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.6 | 115.0 |
| 141 | 38.6 | 31.4 | 47.2 |



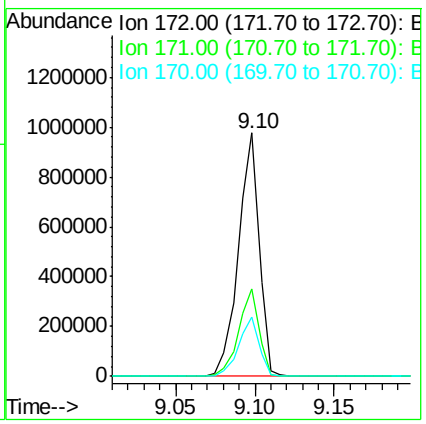


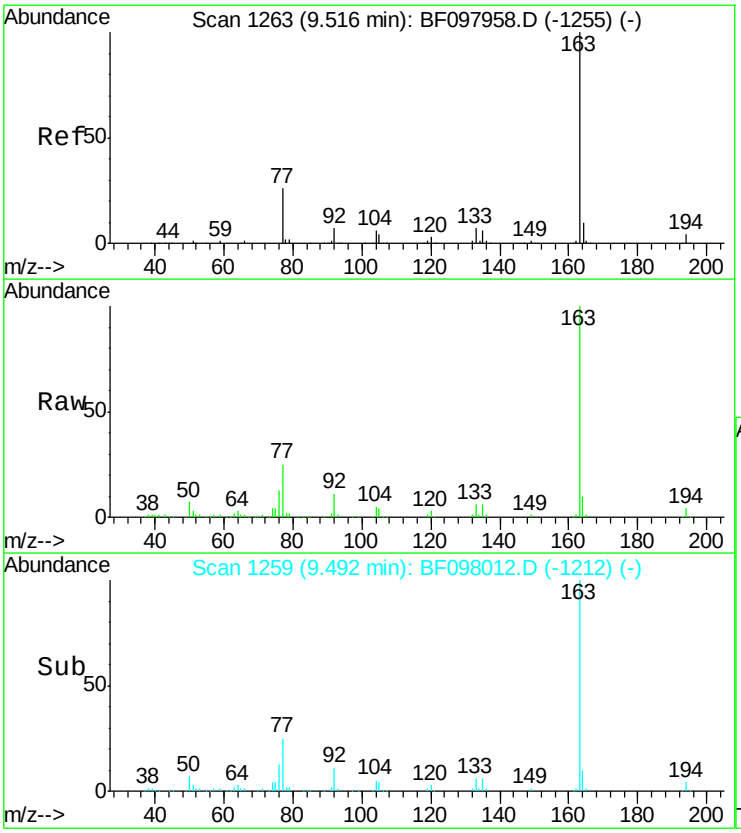

#44
2-Fluorobiphenyl
Concen: 69.22 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:172 Resp: 886544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 29.6 | 44.4 |
| 170 | 24.6 | 19.8 | 29.8 |

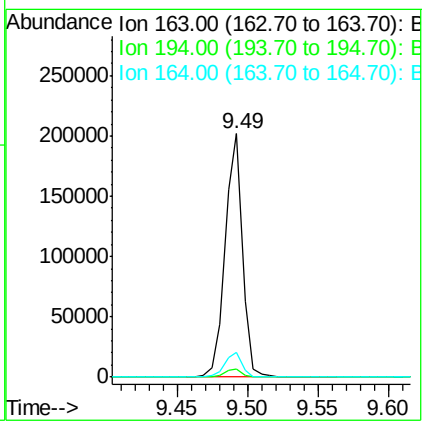


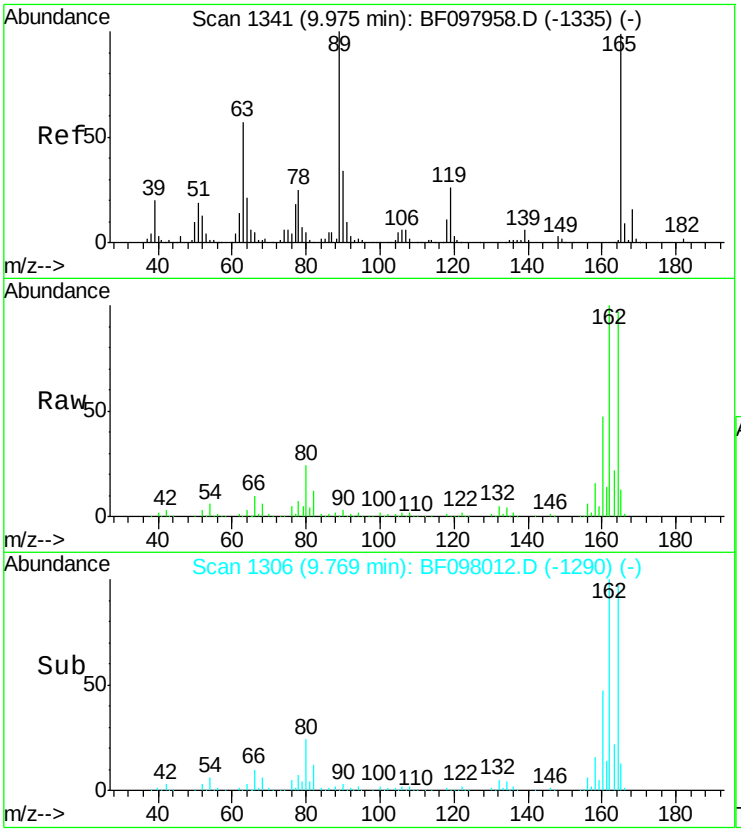




#49
Dimethylphthalate
Concen: 12.46 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:163 Resp: 171448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.6 | 4.0 |
| 164 | 9.9 | 8.4 | 12.6 |



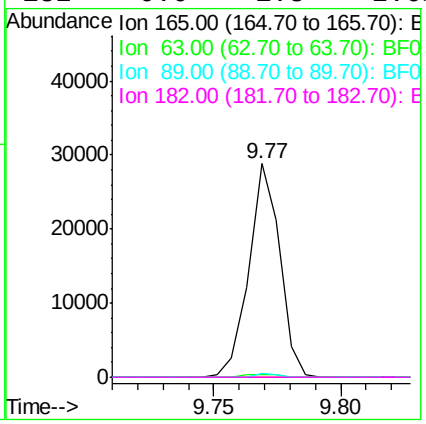


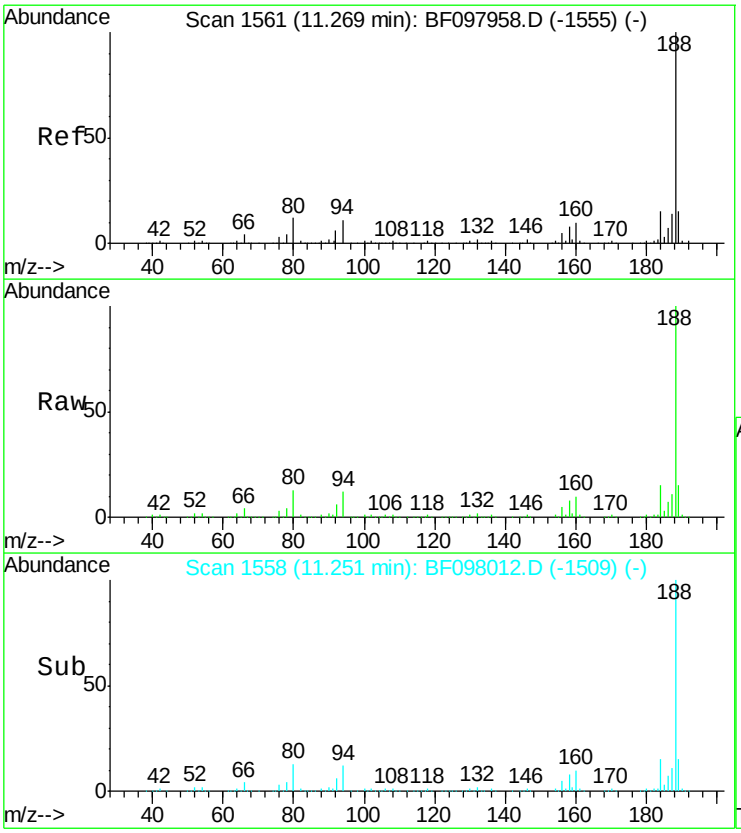

#56
2,4-Dinitrotoluene
Concen: 7.14 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.21 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:165 Resp: 24593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 25.4 | 38.0# |
| 89 | 2.1 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |

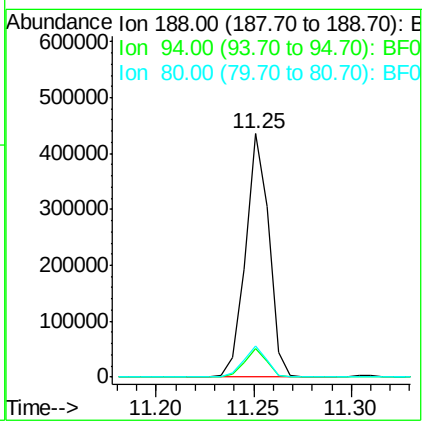


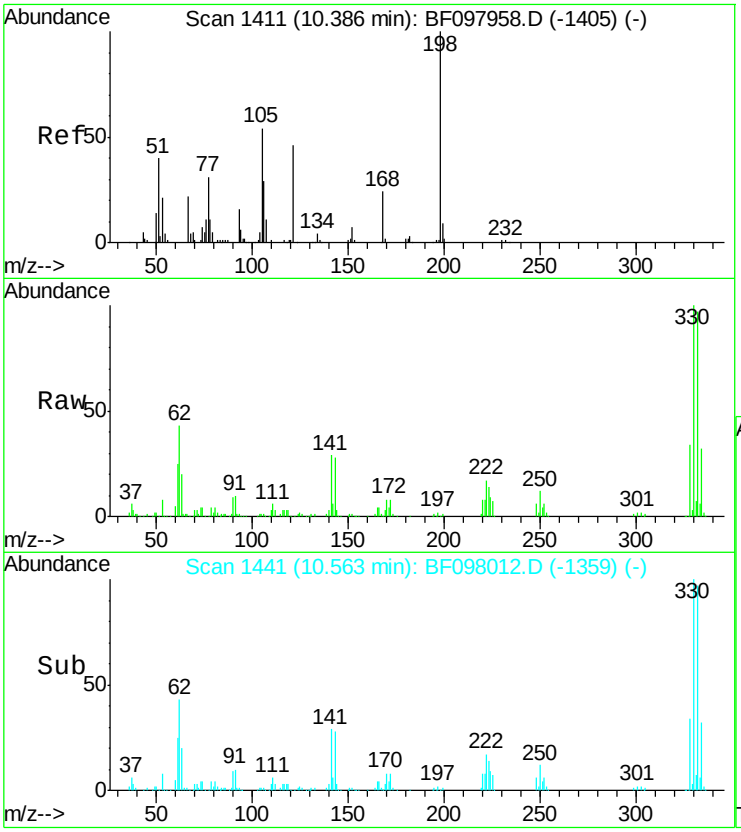




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:188 Resp: 361162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.9 | 9.4 | 14.2 |
| 80 | 12.9 | 10.2 | 15.2 |



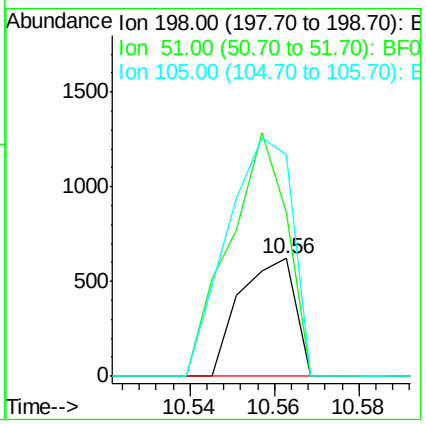


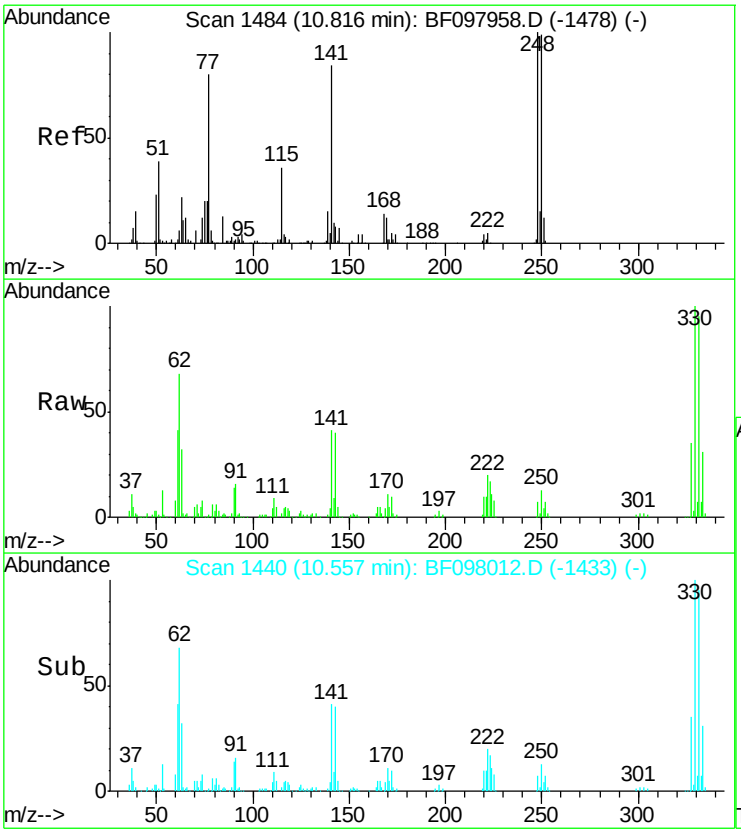

#64
4,6-Dinitro-2-methylphenol
Concen: 8.60 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.18 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:198 Resp: 568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 139.0 | 53.2 | 93.2# |
| 105 | 187.6 | 45.8 | 85.8# |

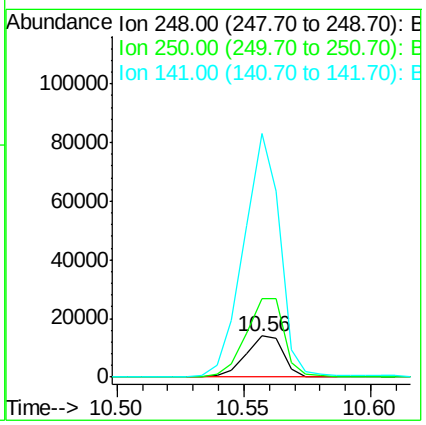


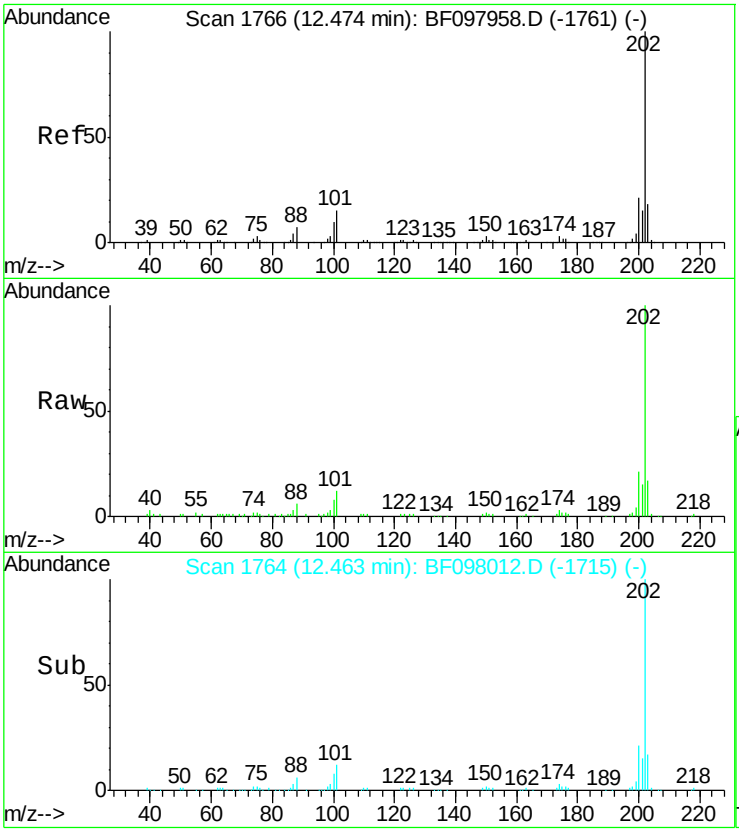




#66
4-Bromophenyl-phenylether
Concen: 3.87 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.26 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:248 Resp: 14527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.4 | 76.8 | 115.2# |
| 141 | 595.1 | 68.6 | 103.0# |



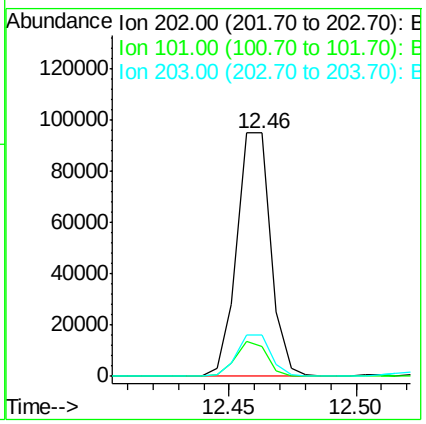


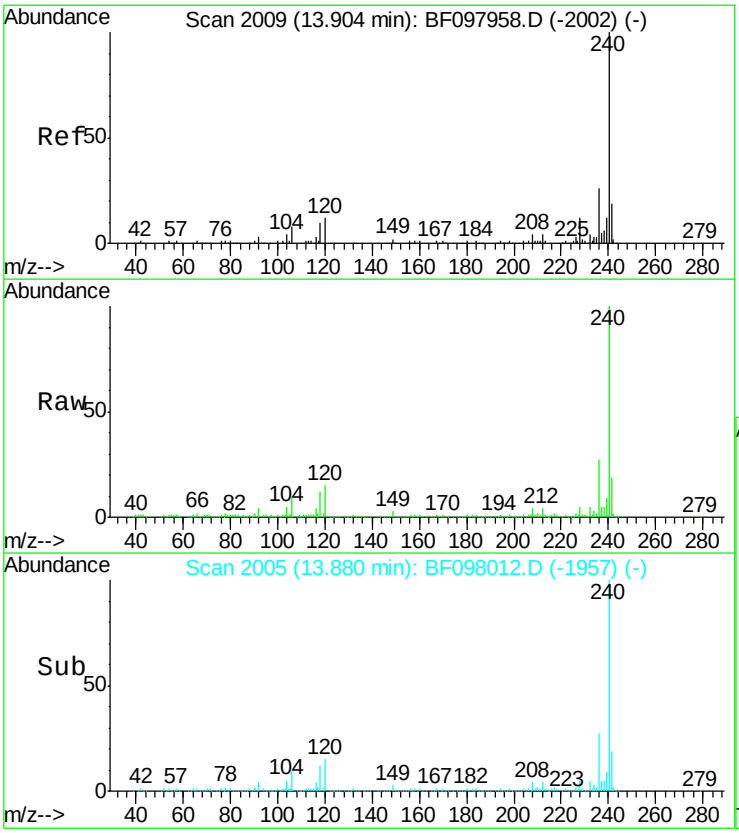

#74
Fluoranthene
Concen: 4.40 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:202 Resp: 88412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 0.0 | 33.2 |
| 203 | 17.1 | 0.0 | 38.1 |

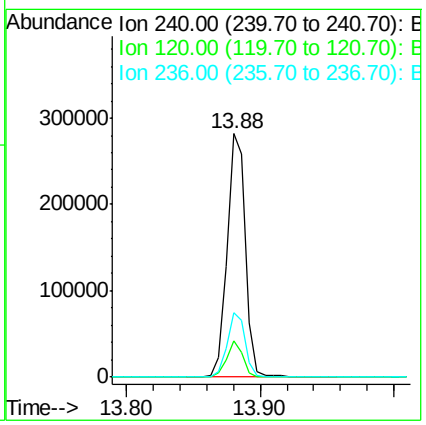


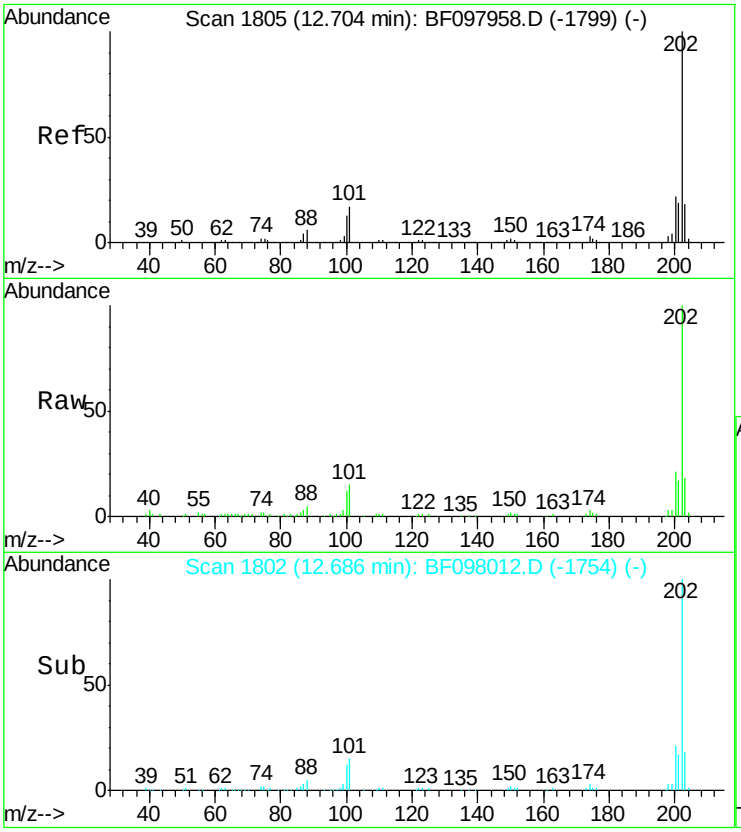




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:240 Resp: 272094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.8 | 5.8 | 8.8# |
| 236 | 26.7 | 20.5 | 30.7 |



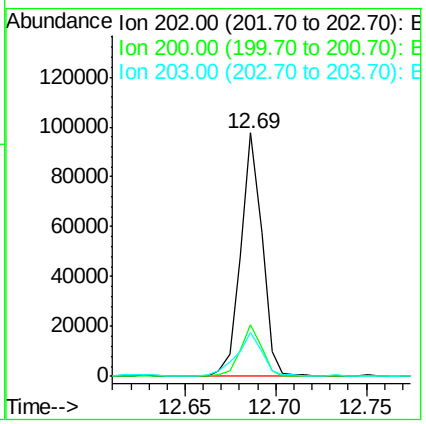


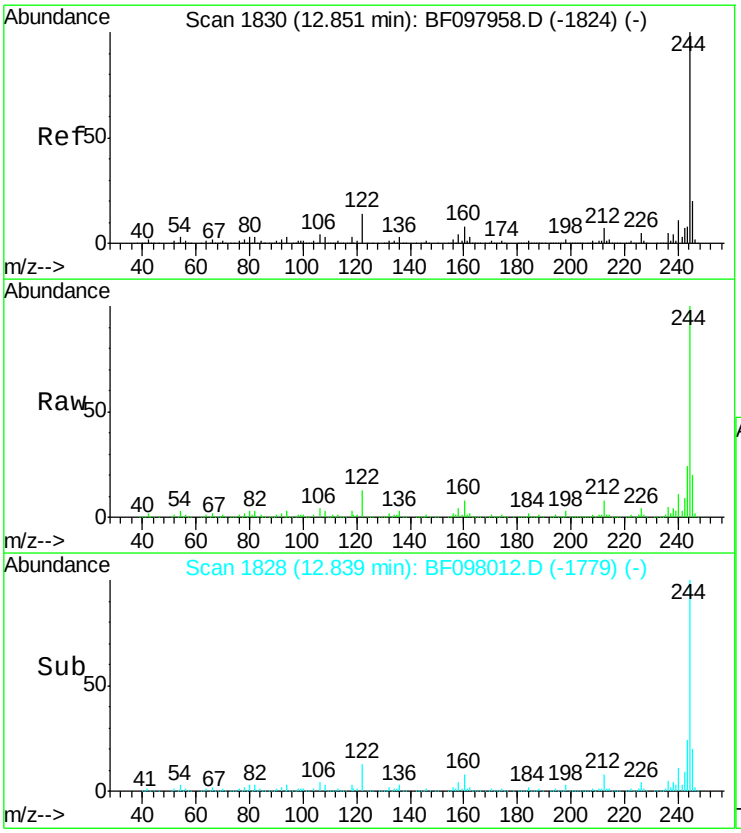

#77
Pyrene
Concen: 3.61 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:202 Resp: 80267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.6 | 26.4 |
| 203 | 17.9 | 14.4 | 21.6 |

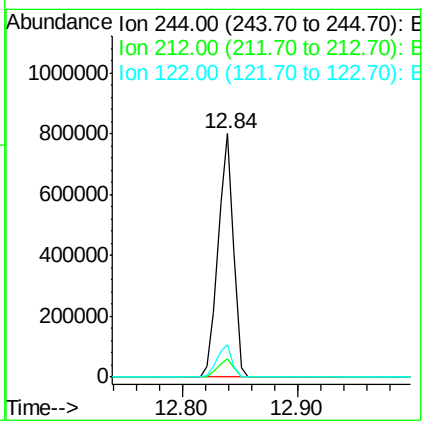


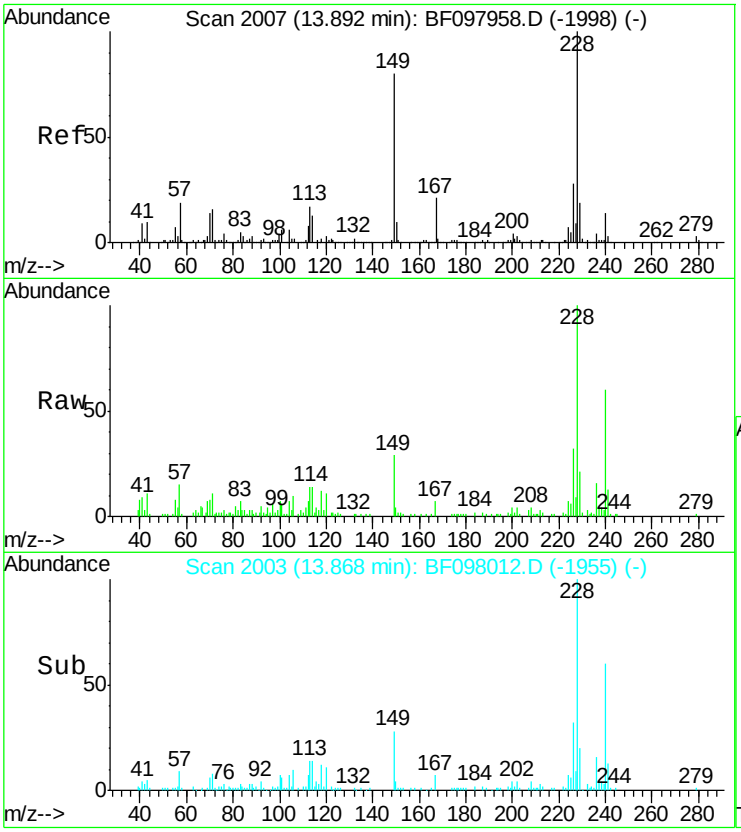




#78
Terphenyl-d14
Concen: 56.29 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:244 Resp: 734514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.0 | 9.0 |
| 122 | 13.2 | 10.3 | 15.5 |



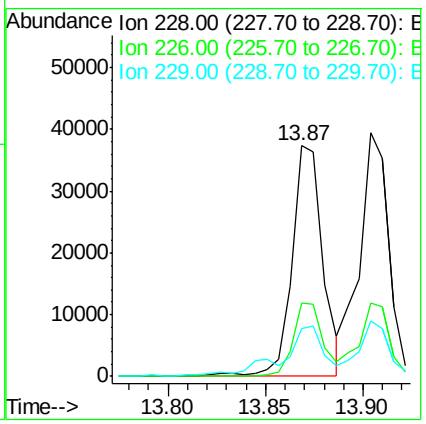


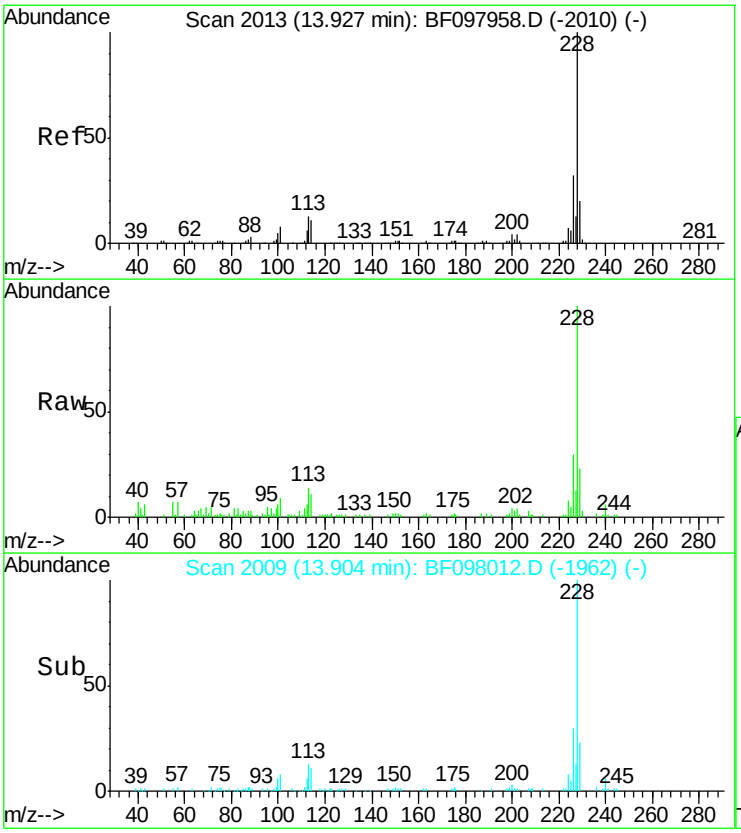

#80
Benzo(a)anthracene
Concen: 2.50 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:228 Resp: 40742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 22.6 | 33.8 |
| 229 | 20.8 | 16.3 | 24.5 |

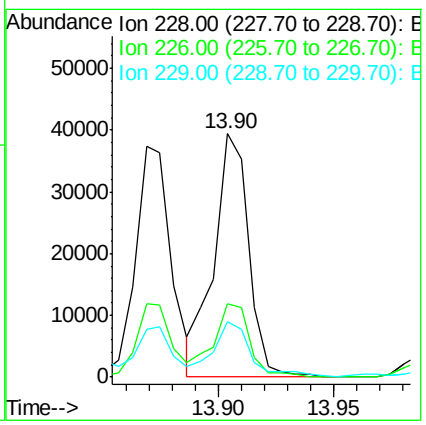


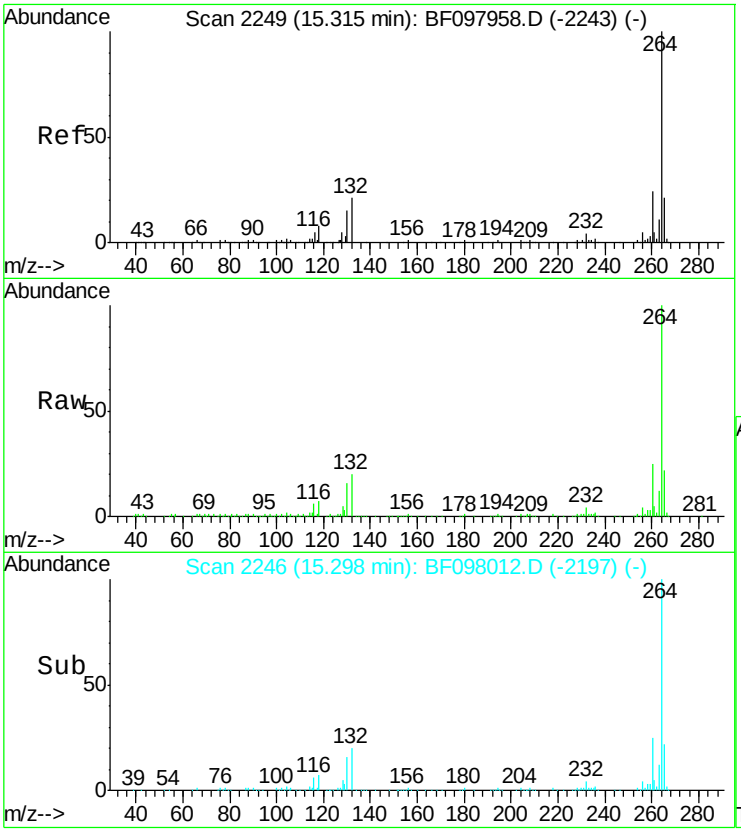




#82
Chrysene
Concen: 2.54 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:228 Resp: 41173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.9 | 37.3 |
| 229 | 22.8 | 15.8 | 23.6 |



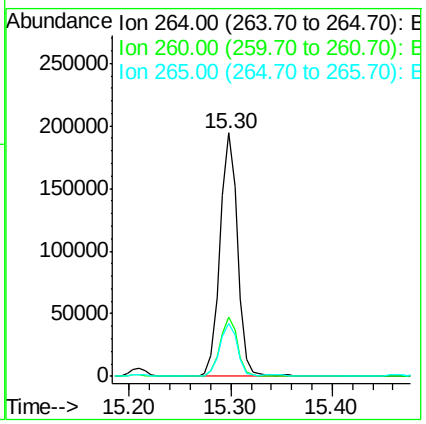


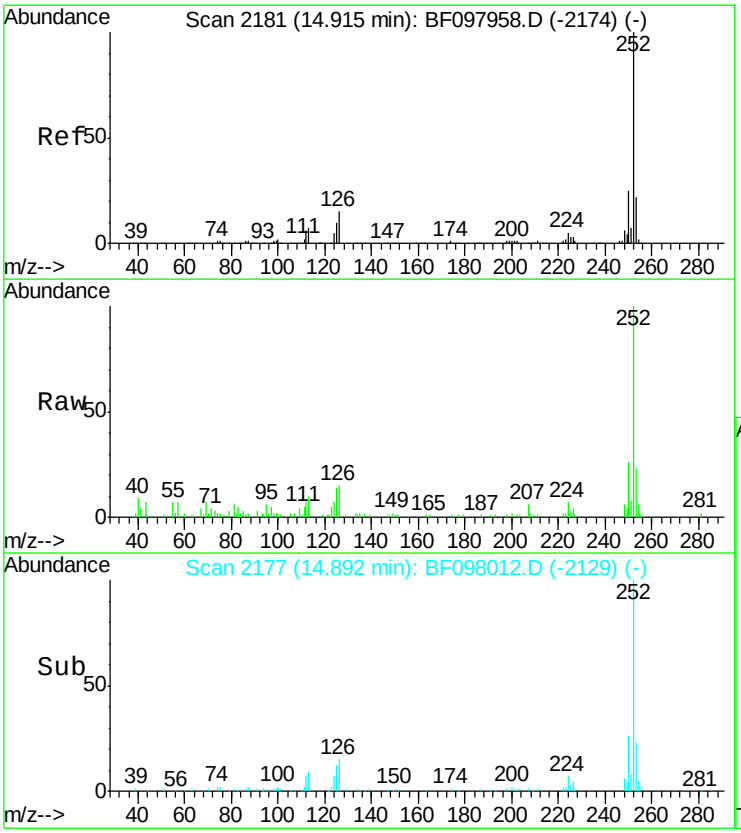

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:264 Resp: 233616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 19.5 | 29.3 |
| 265 | 21.7 | 17.2 | 25.8 |

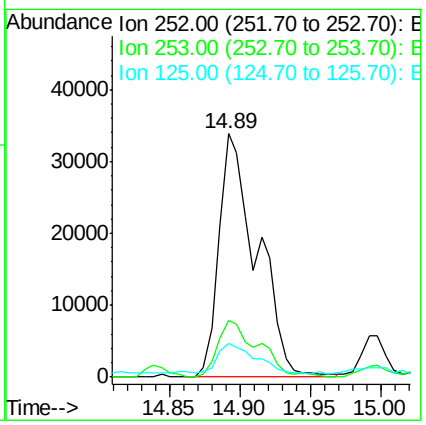


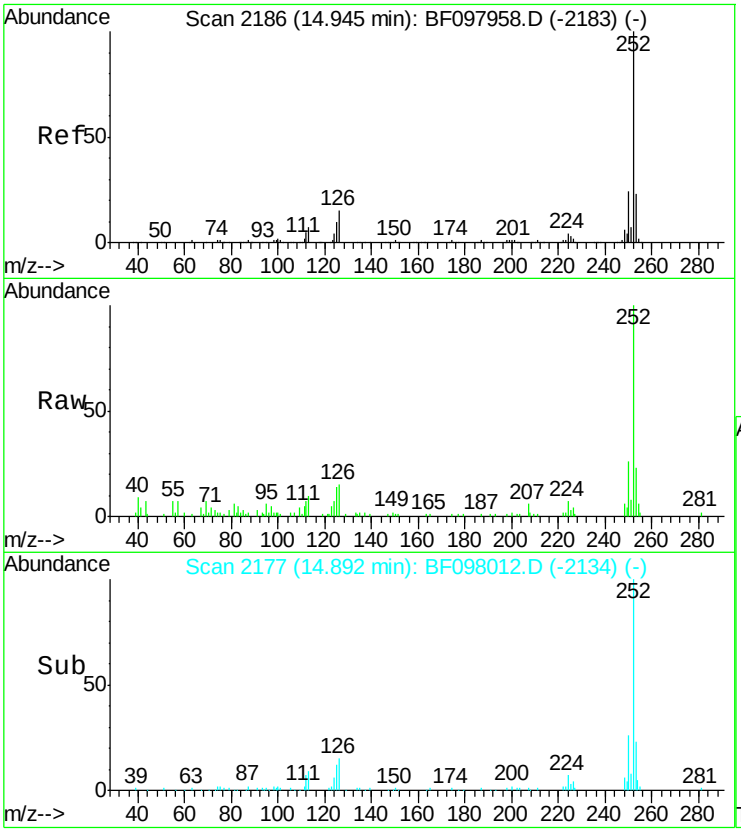




#87
Benzo(b)fluoranthene
Concen: 4.33 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:252 Resp: 63741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 18.1 | 27.1 |
| 125 | 13.8 | 9.8 | 14.8 |



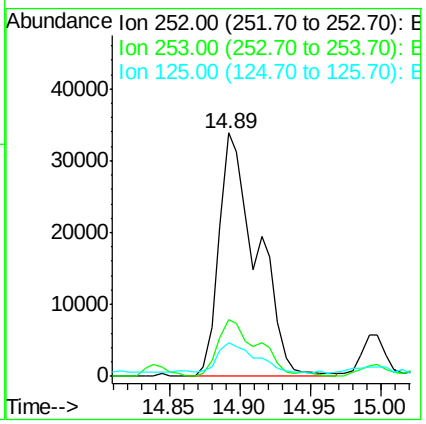


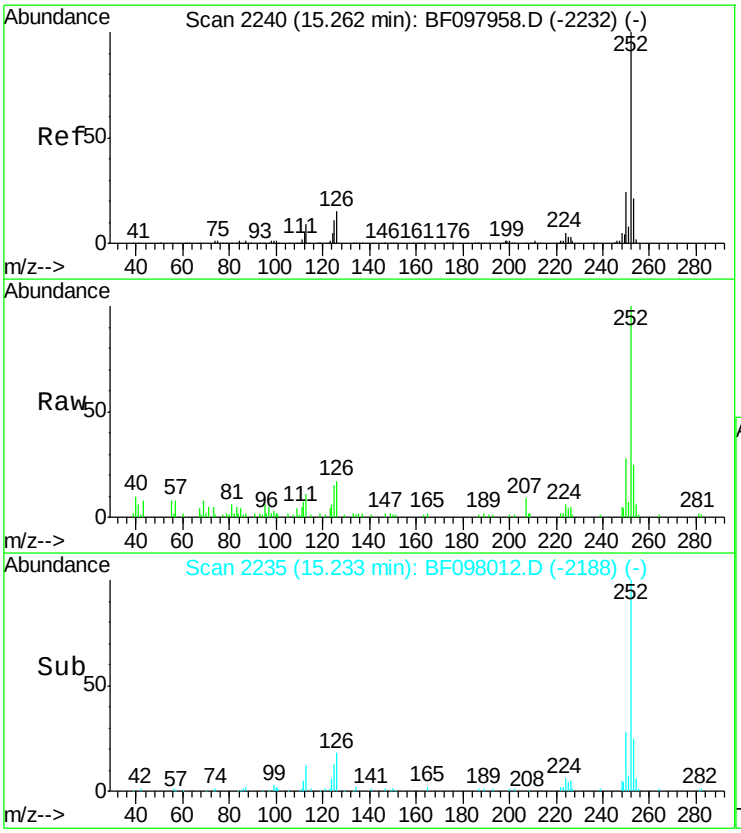

#88
Benzo(k)fluoranthene
Concen: 4.61 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.05 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

**Instrument :**
BNA_F
**ClientSampleId :**
RWB-2

Tgt Ion:252 Resp: 63741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 18.4 | 27.6 |
| 125 | 13.8 | 13.1 | 19.7 |




#89
Benzo(a)pyrene
Concen: 2.53 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion:252 Resp: 32983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 17.5 | 26.3 |
| 125 | 15.1 | 11.0 | 16.4 |