Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S11-WC-3

Quant Time: Aug 17 01:23:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 151535 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 596500 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 273547 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 503615 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.93 | 240 | 285818 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.36 | 264 | 272664 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 155969 | 15.66 | ng | | -0.01 |
| 7) Phenol-d6 | 6.39 | 99 | 216038 | 15.96 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 131382 | 11.97 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 37039 | 15.61 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 202151 | 10.86 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.88 | 244 | 144650 | 10.55 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 25) Isophorone | 7.33 | 82 | 131061 | 5.74 | ng | # | 67 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 35930 | 9.00 | ng | # | 34 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 35930 | 7.17 | ng | # | 33 |
| 70) Phenanthrene | 11.32 | 178 | 320532 | 11.94 | ng | | 99 |
| 71) Anthracene | 11.37 | 178 | 69210 | 2.54 | ng | | 97 |
| 74) Fluoranthene | 12.50 | 202 | 405574 | 14.48 | ng | | 98 |
| 77) Pyrene | 12.73 | 202 | 371408 | 15.89 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 119770 | 6.99 | ng | | 98 |
| 82) Chrysene | 13.92 | 228 | 119770 | 7.03 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.74 | 276 | 69685 | 5.56 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 14.94 | 252 | 174756 | 10.17 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.23 | 252 | 64013 | 3.96 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.30 | 252 | 105632 | 6.94 | ng | | 99 |

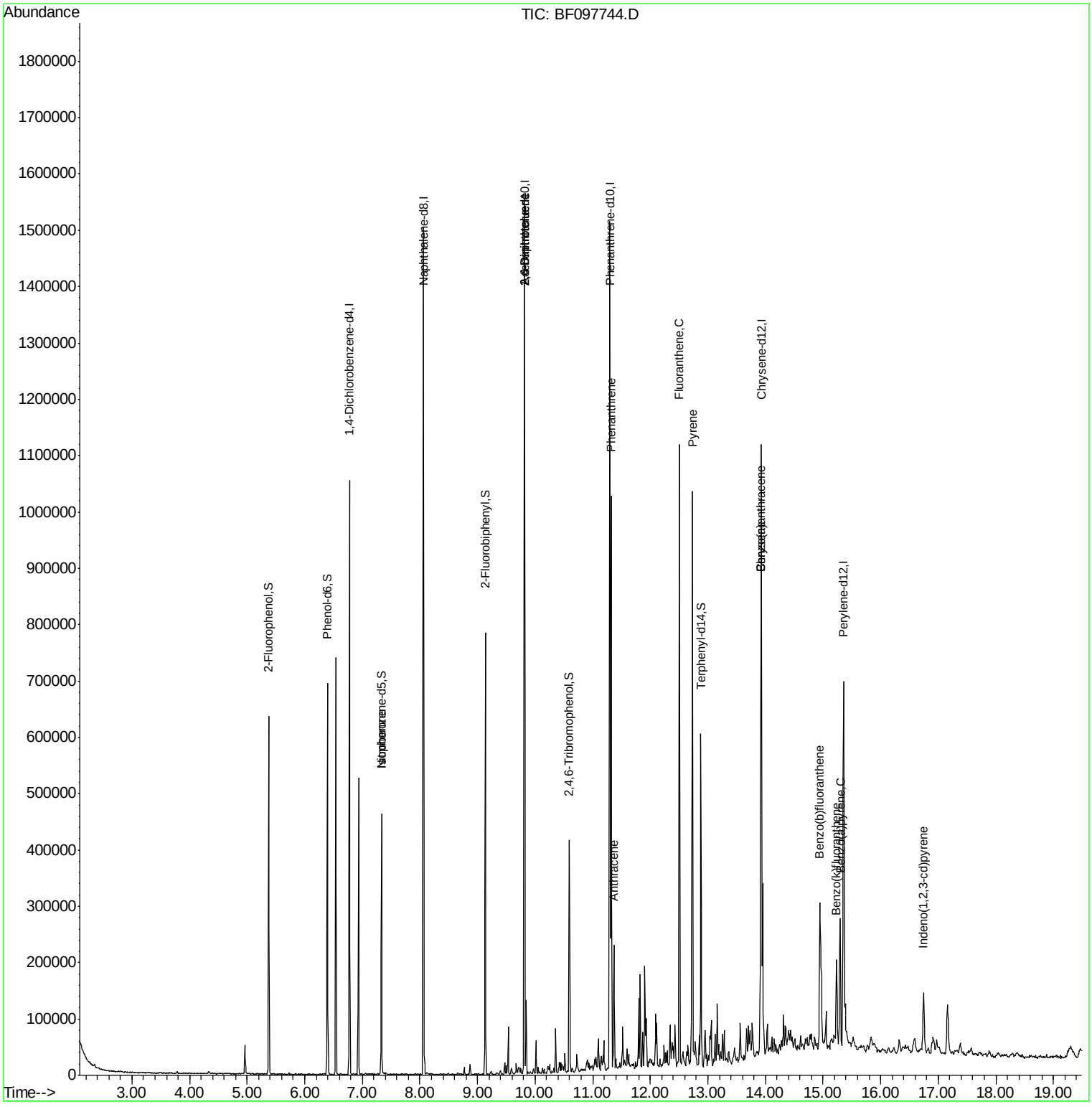
(#) = qualifier out of range (m) = manual integration (+) = signals summed

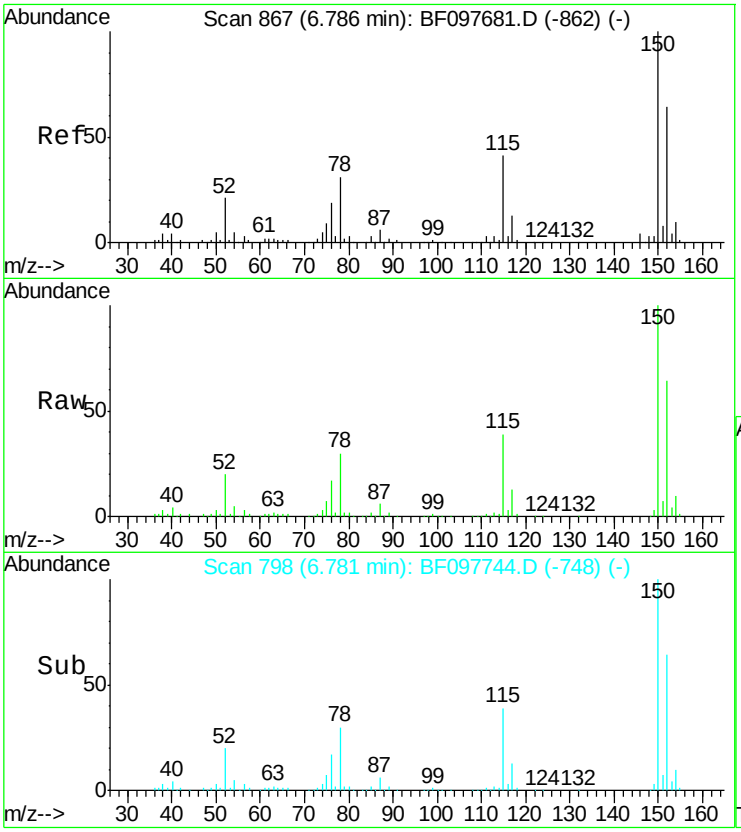
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097744.D
Acq On : 16 Aug 2017 17:43
Operator : SJ/JU
Sample : I4739-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Quant Time: Aug 17 01:23:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



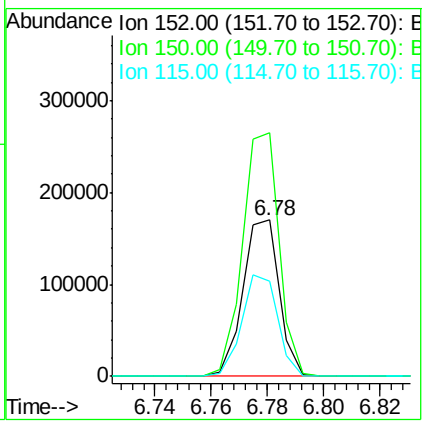


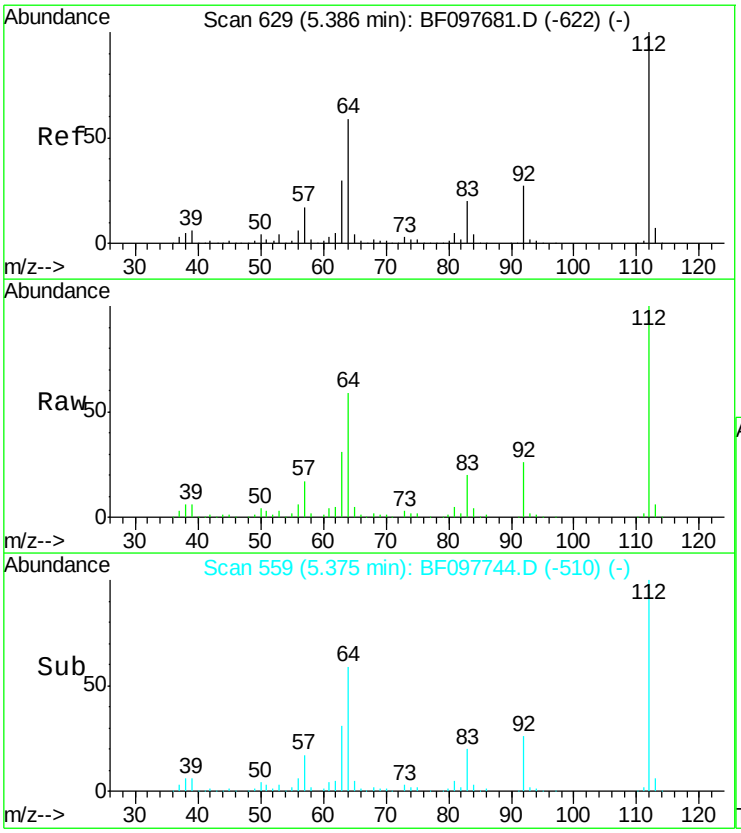

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:152 Resp: 151535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 126.2 | 189.2 |
| 115 | 61.1 | 52.2 | 78.2 |

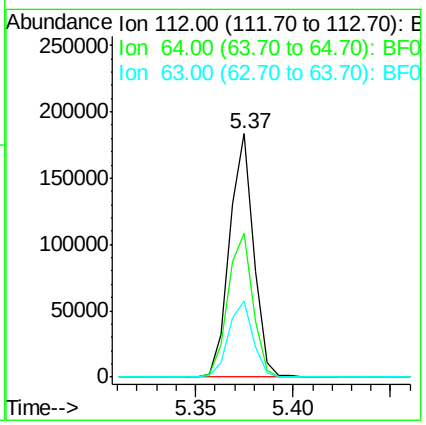


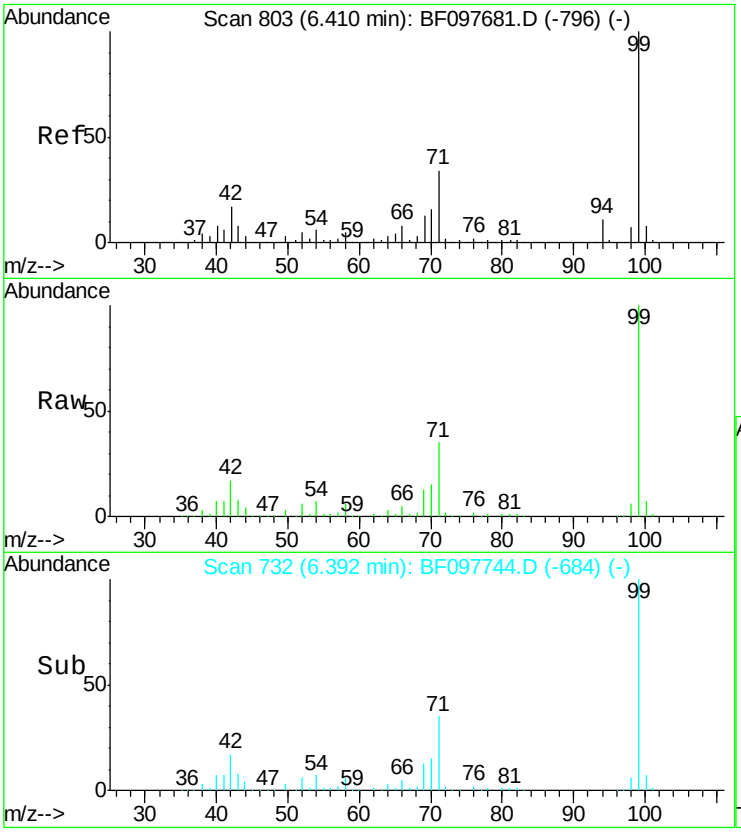




#5
2-Fluorophenol
Concen: 15.66 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:112 Resp: 155969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.8 | 46.0 | 69.0 |
| 63 | 31.5 | 23.4 | 35.0 |



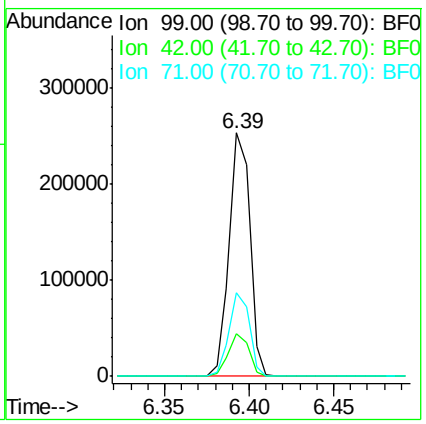


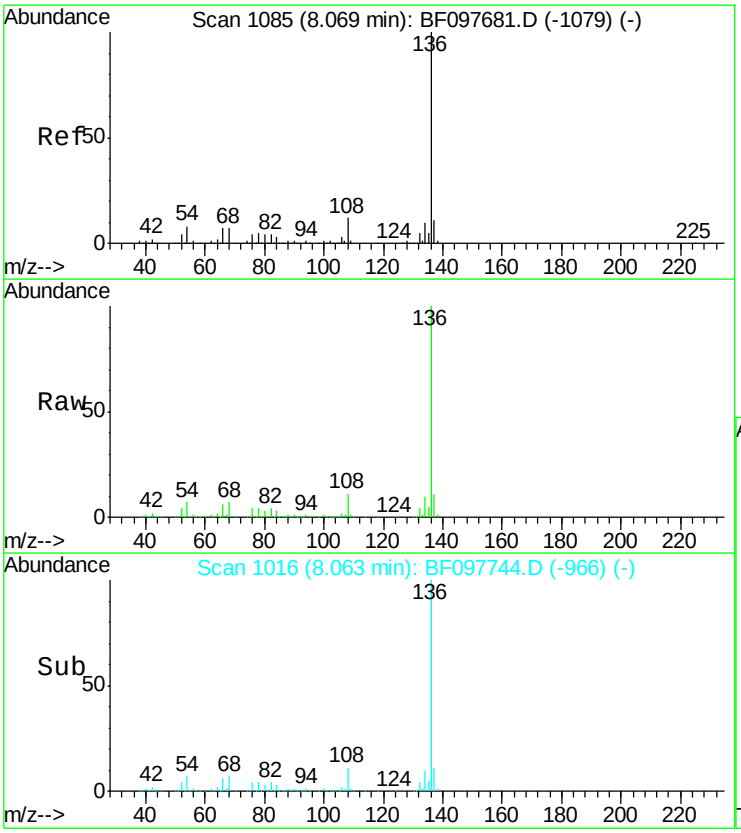

#7
Phenol-d6
Concen: 15.96 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion: 99 Resp: 216038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.3 | 13.5 | 20.3 |
| 71 | 34.6 | 24.5 | 36.7 |

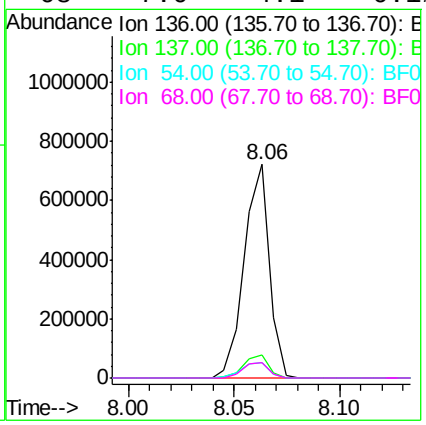


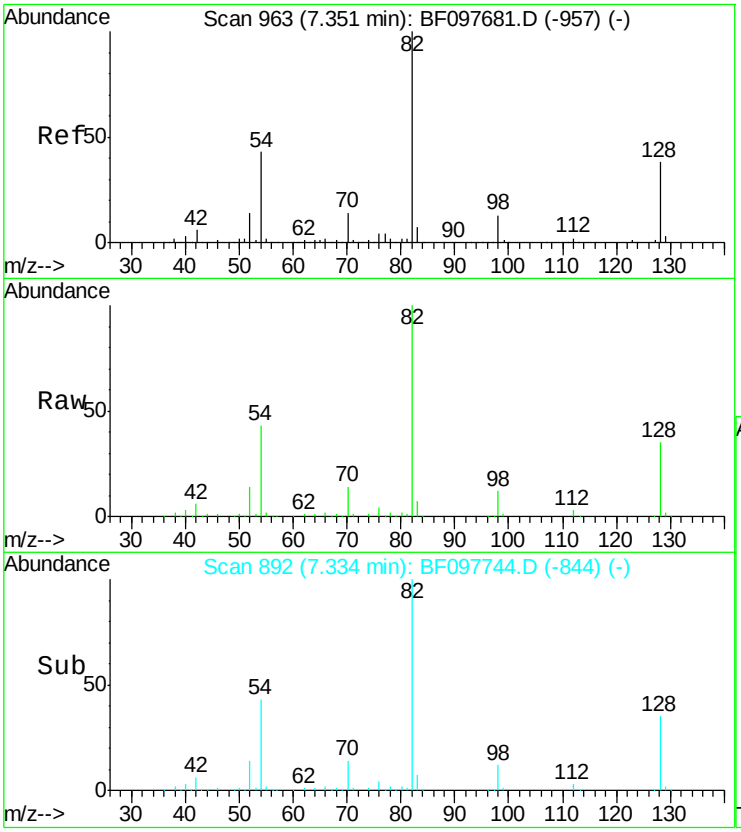




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:136 Resp: 596500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 7.4 | 4.9 | 7.3# |
| 68 | 7.0 | 4.1 | 6.1# |



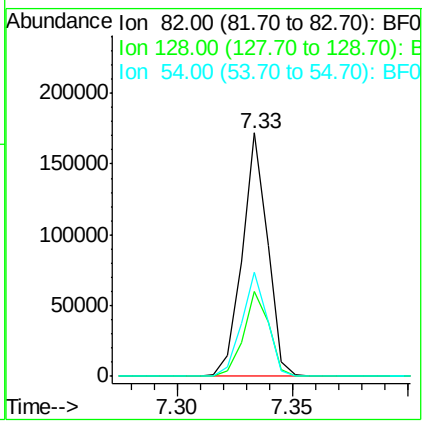


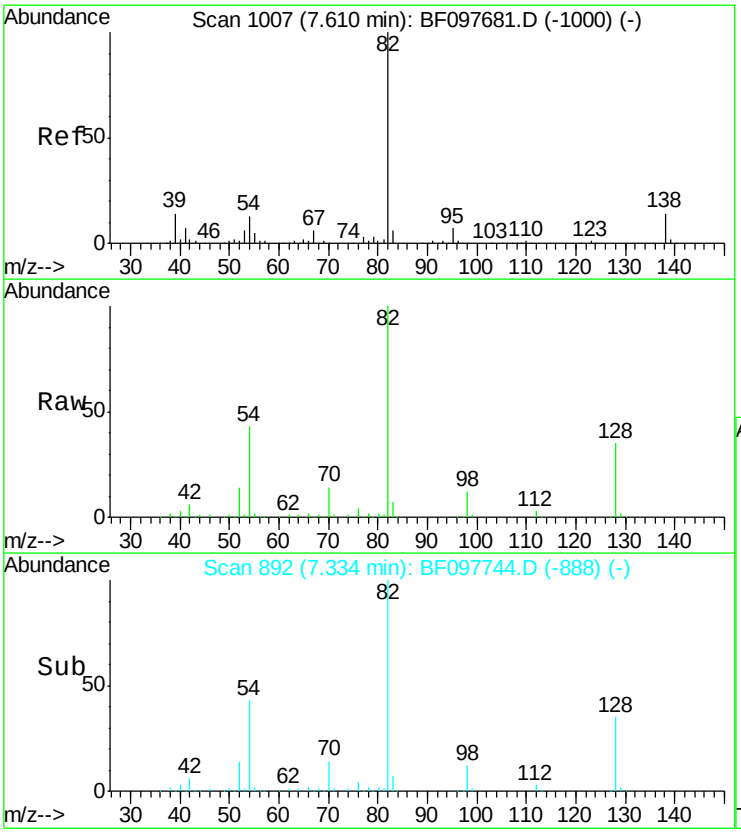

#23
Nitrobenzene-d5
Concen: 11.97 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion: 82 Resp: 131382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.6 | 34.0 | 51.0 |
| 54 | 42.5 | 42.2 | 63.2 |

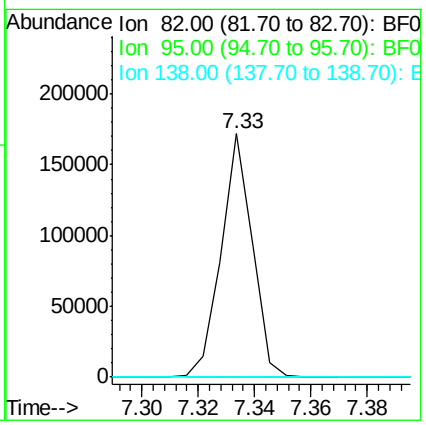


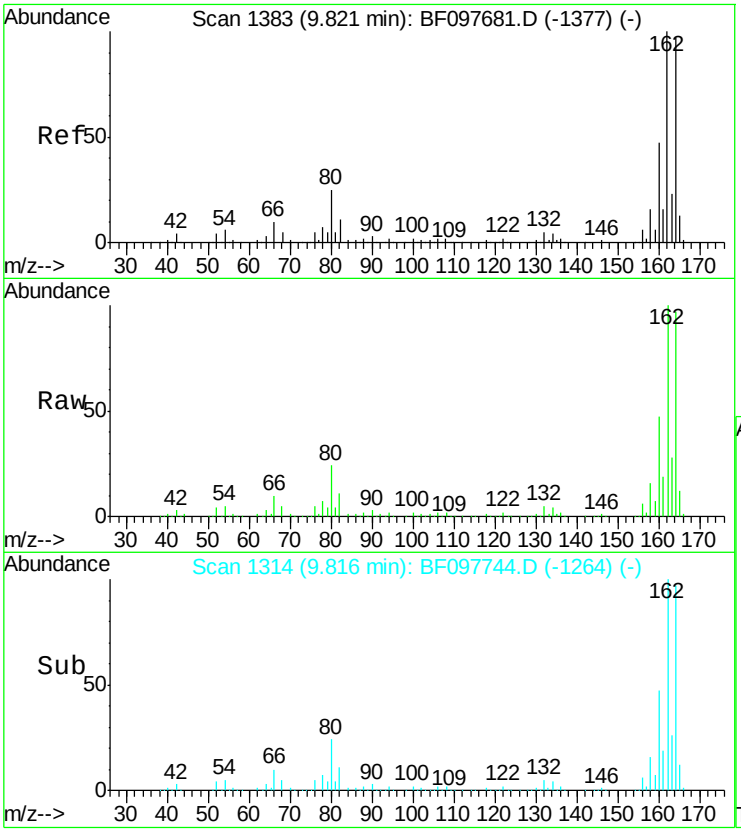




#25
Isophorone
Concen: 5.74 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion: 82 Resp: 131061

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



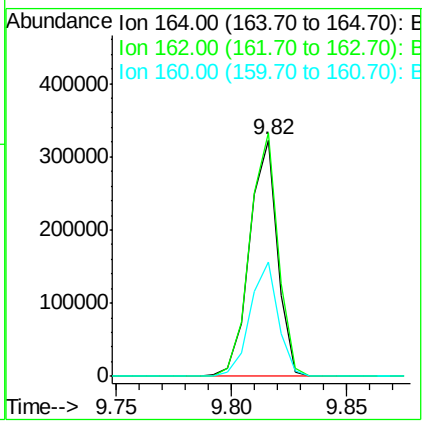


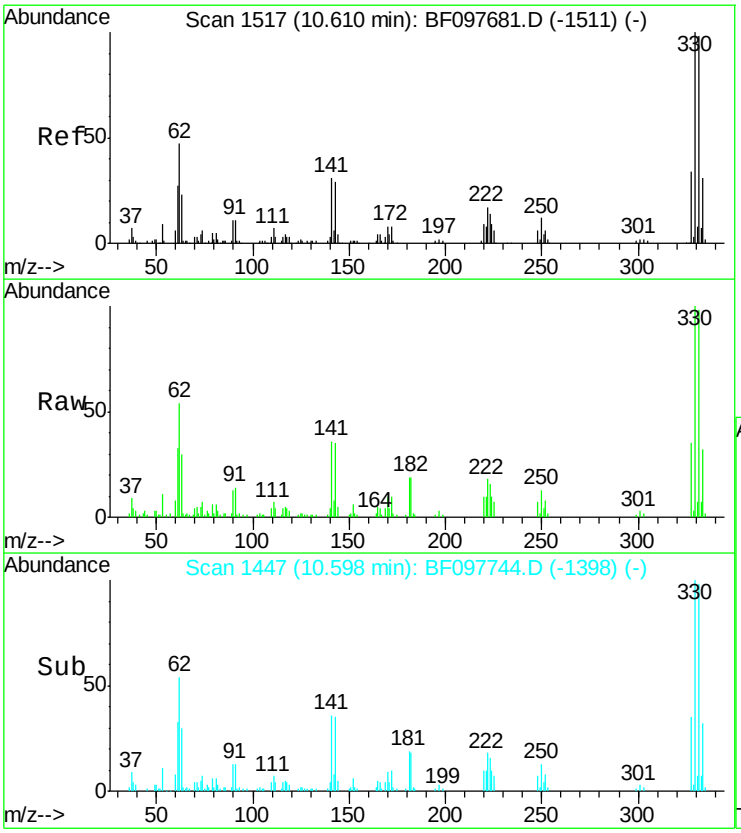

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:164 Resp: 273547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 82.6 | 123.8 |
| 160 | 48.4 | 36.2 | 54.2 |

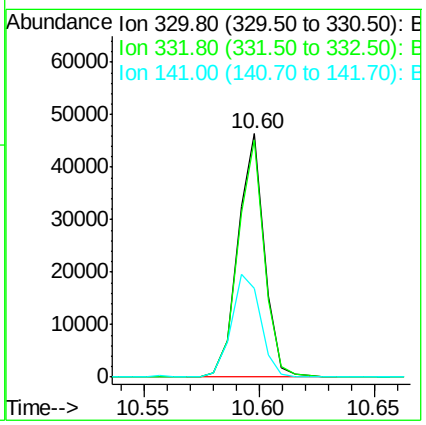


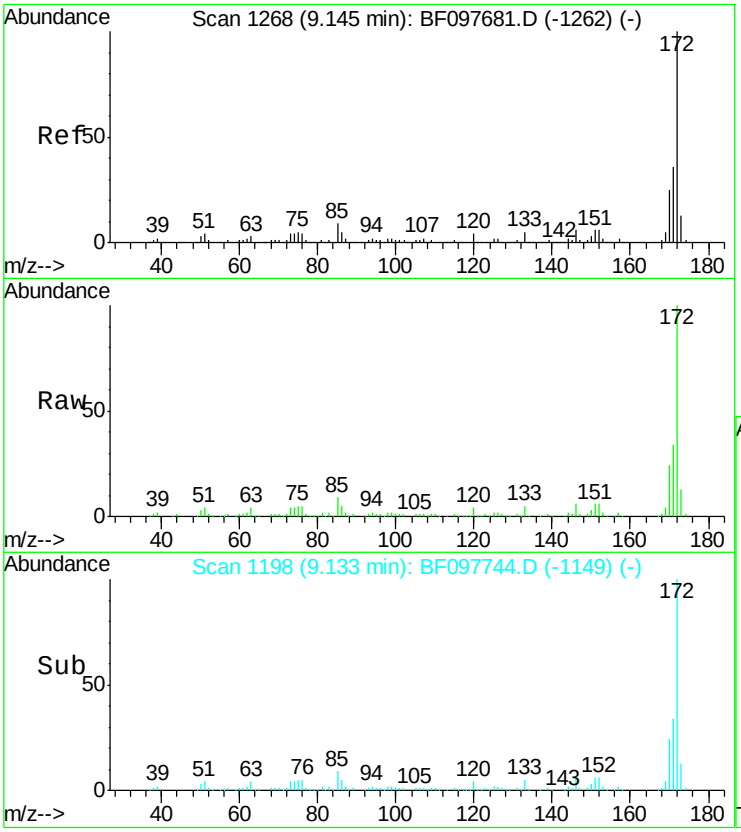




#41
2,4,6-Tribromophenol
Concen: 15.61 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:330 Resp: 37039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 76.6 | 115.0 |
| 141 | 46.6 | 31.4 | 47.2 |



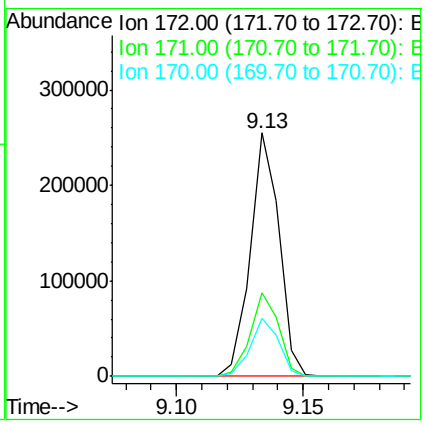


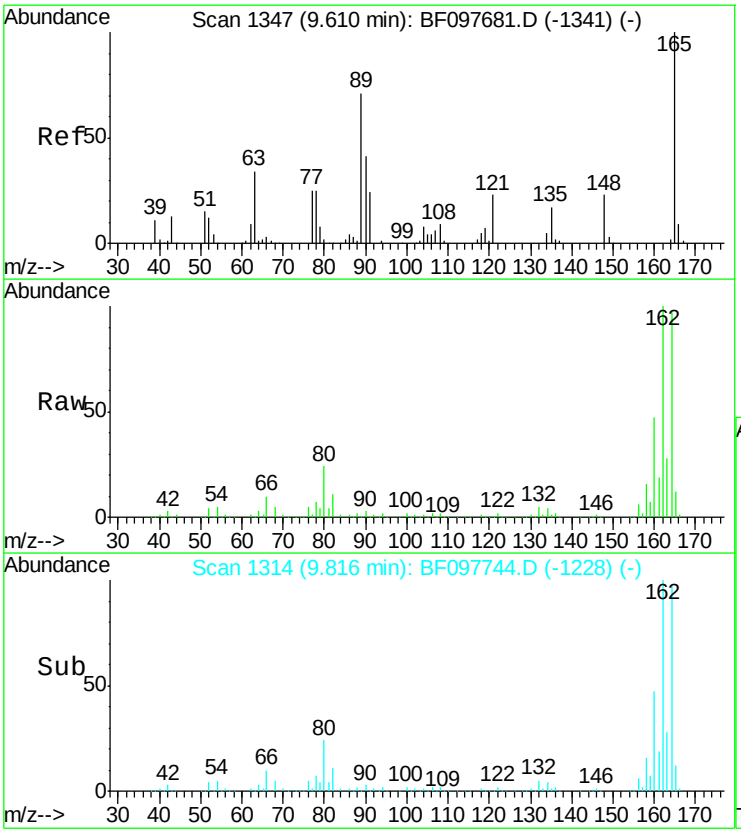

#44
2-Fluorobiphenyl
Concen: 10.86 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:172 Resp: 202151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.1 | 29.6 | 44.4 |
| 170 | 23.6 | 19.8 | 29.8 |

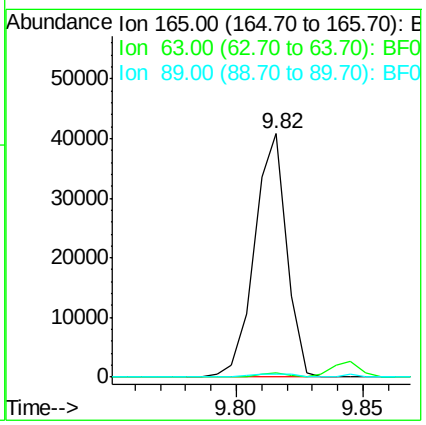


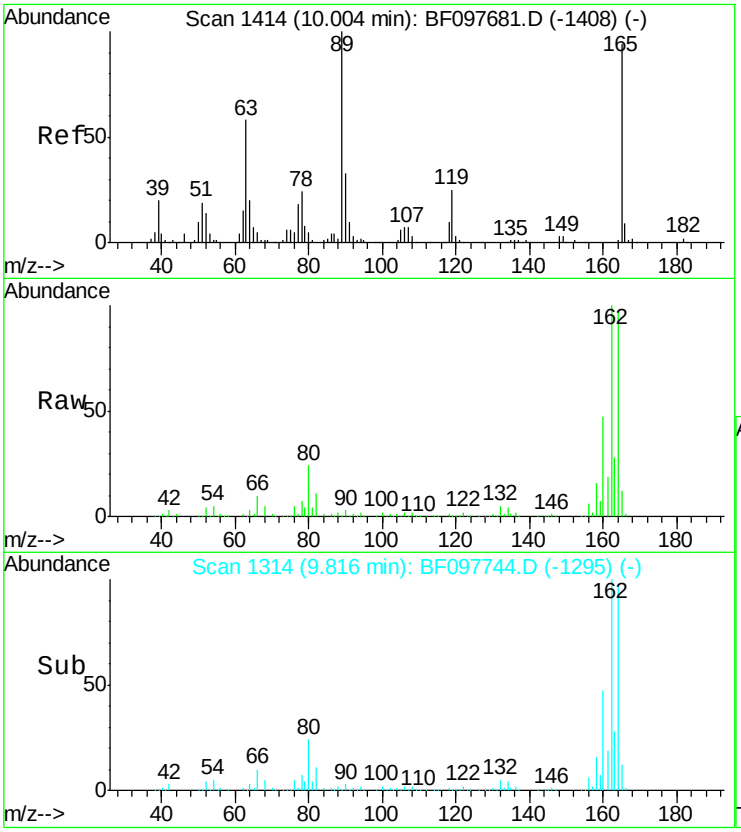




#50
2,6-Dinitrotoluene
Concen: 9.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:165 Resp: 35930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 34.3 | 51.5# |
| 89 | 1.4 | 37.1 | 55.7# |



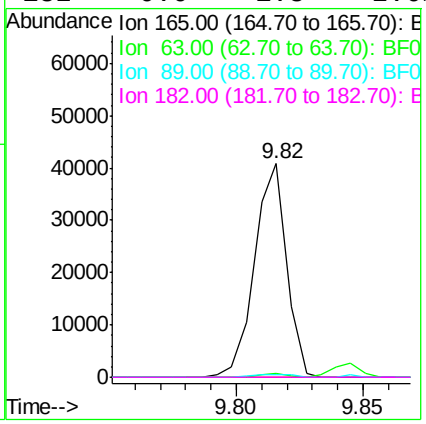


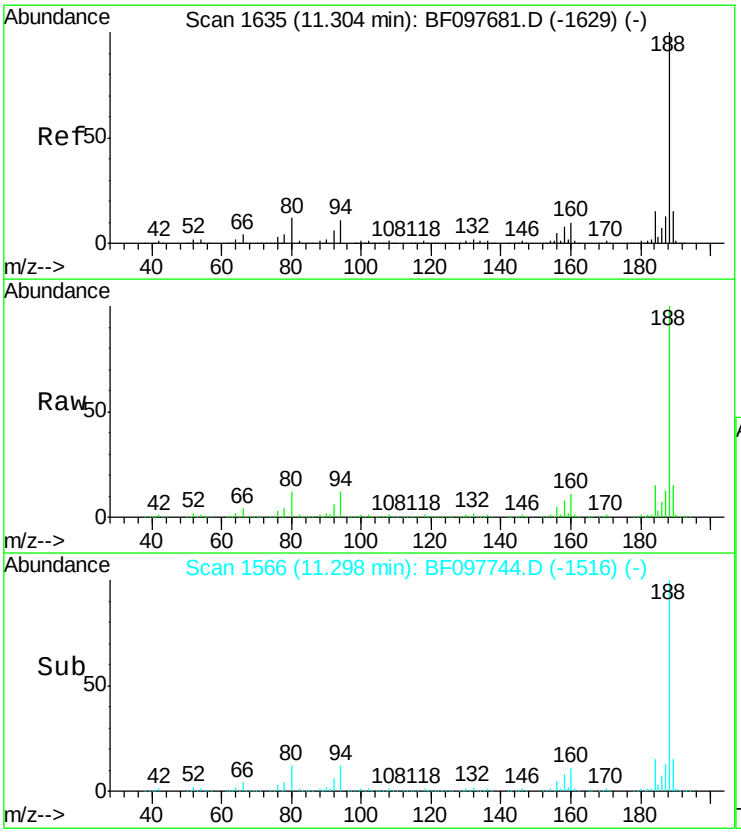

#56
2,4-Dinitrotoluene
Concen: 7.17 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:165 Resp: 35930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 25.4 | 38.0# |
| 89 | 1.4 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |

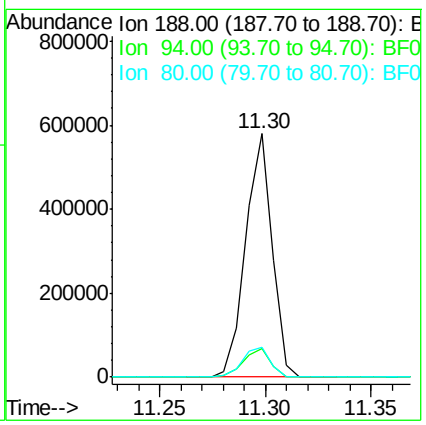


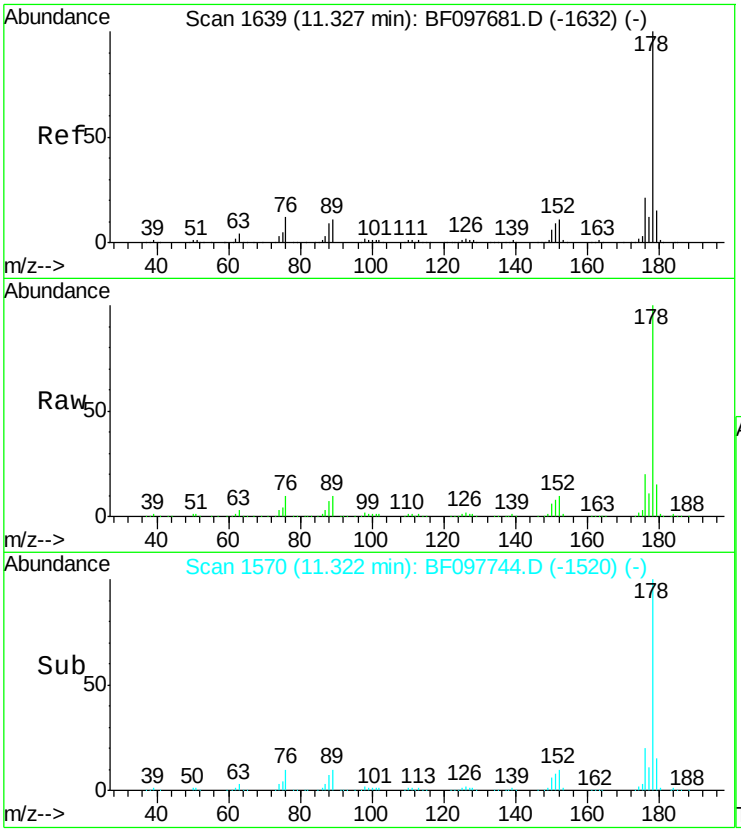




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:188 Resp: 503615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 9.4 | 14.2 |
| 80 | 12.0 | 10.2 | 15.2 |



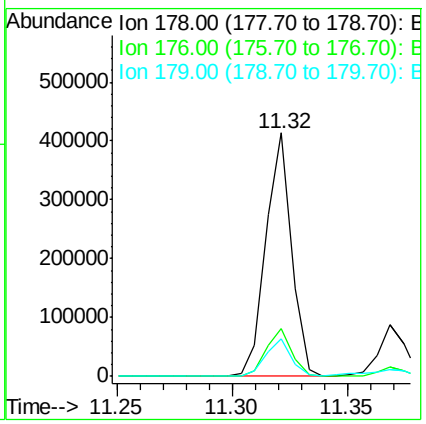


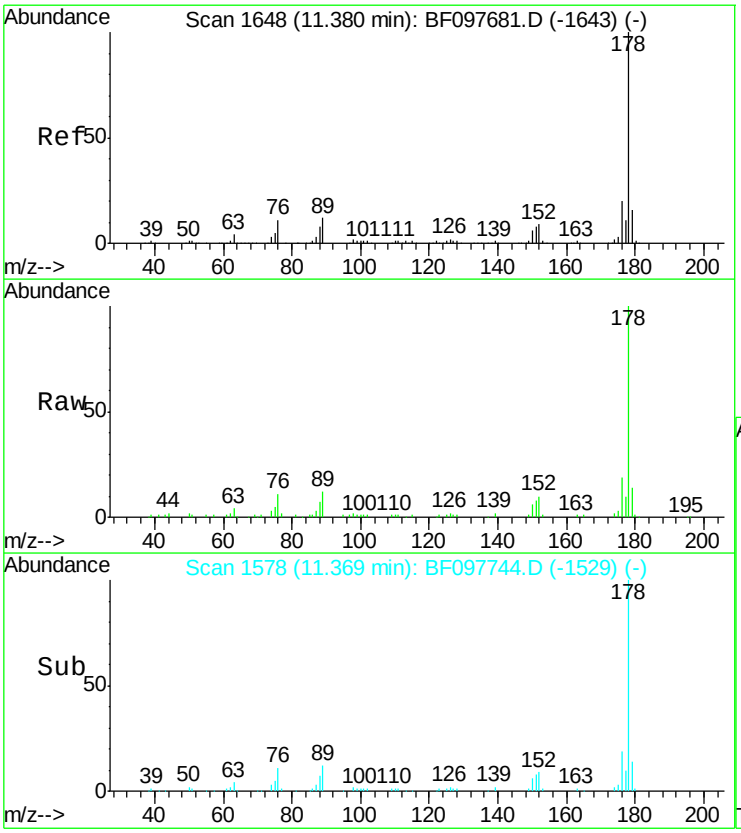

#70
Phenanthrene
Concen: 11.94 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:178 Resp: 320532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 16.2 | 24.4 |
| 179 | 15.4 | 12.6 | 19.0 |

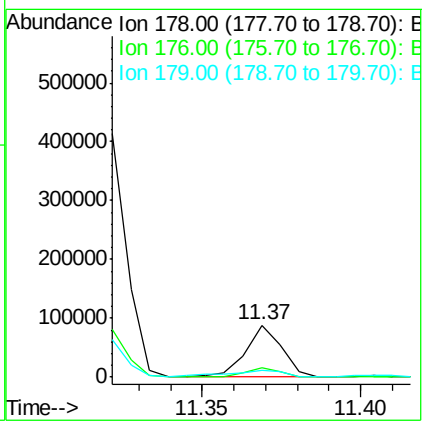


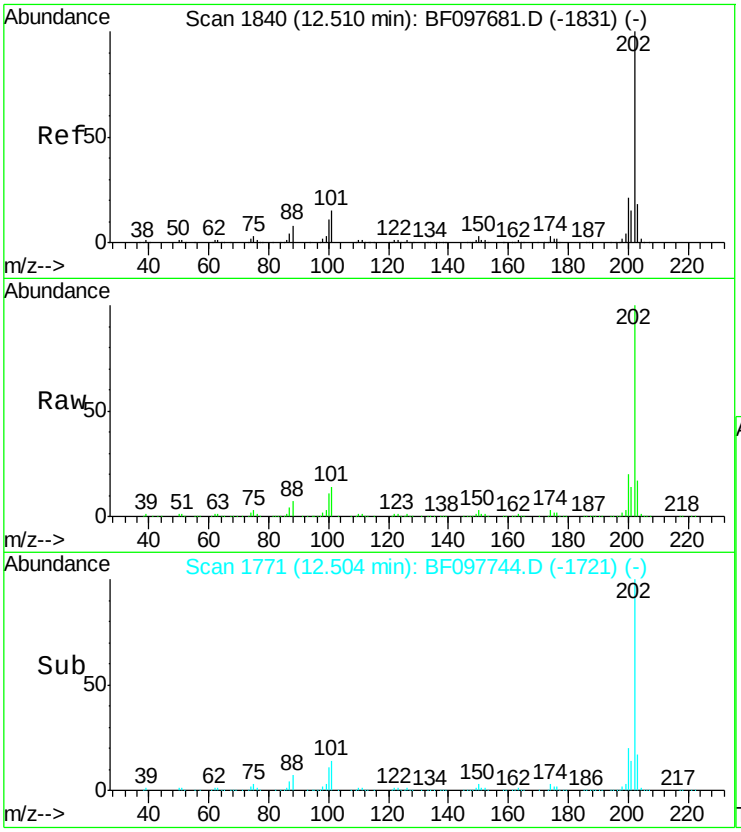




#71
Anthracene
Concen: 2.54 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:178 Resp: 69210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.8 | 23.8 |
| 179 | 14.0 | 12.7 | 19.1 |



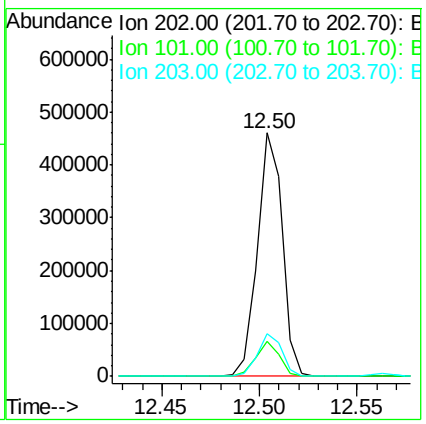


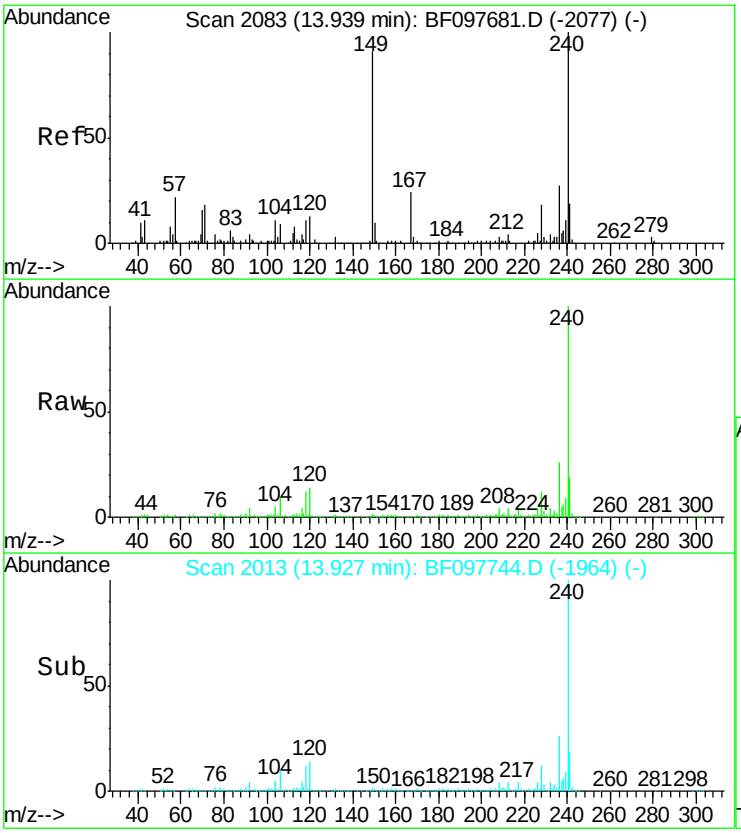

#74
Fluoranthene
Concen: 14.48 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:202 Resp: 405574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 0.0 | 33.2 |
| 203 | 17.3 | 0.0 | 38.1 |

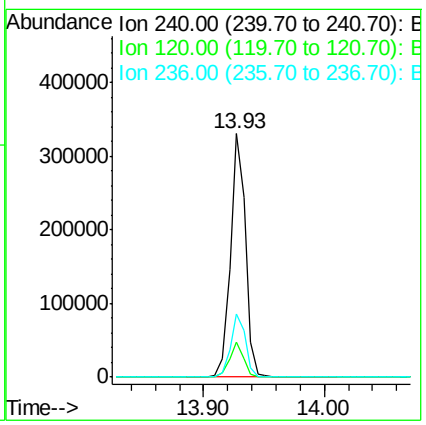


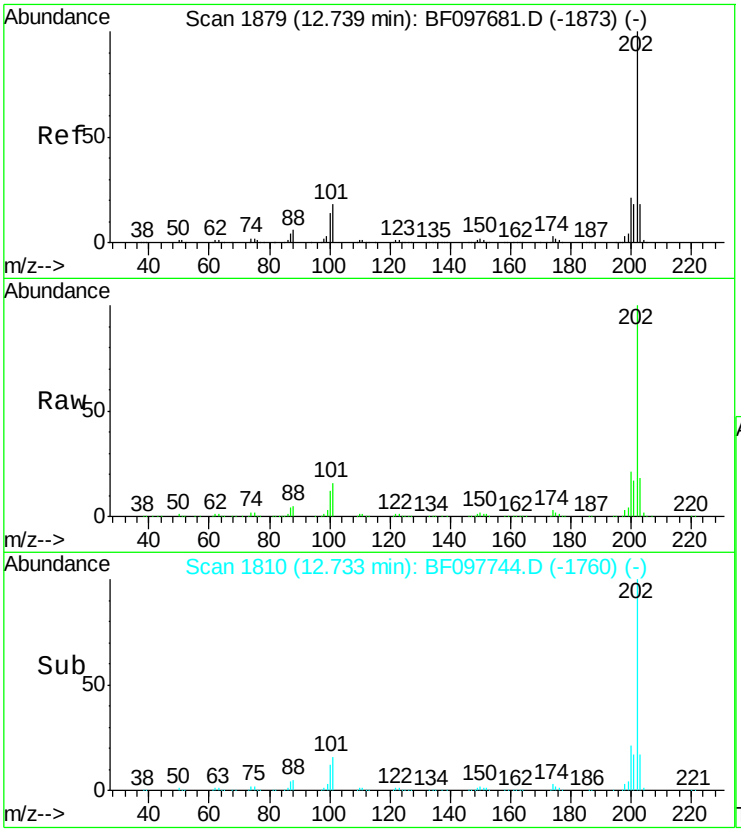




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:240 Resp: 285818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.3 | 5.8 | 8.8# |
| 236 | 26.1 | 20.5 | 30.7 |



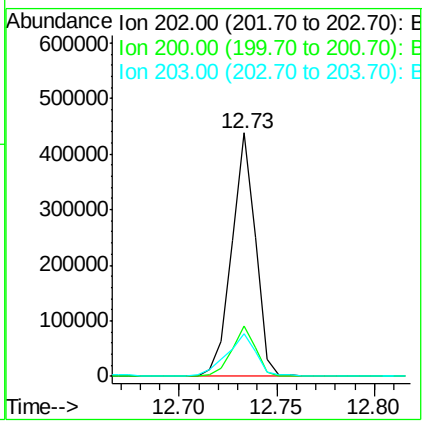


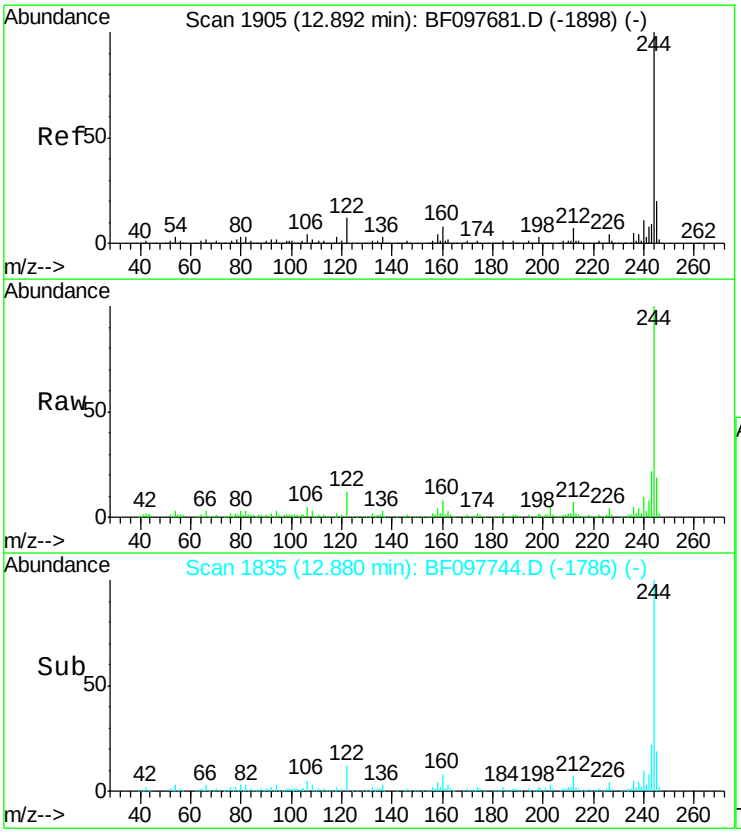

#77
Pyrene
Concen: 15.89 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:202 Resp: 371408

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

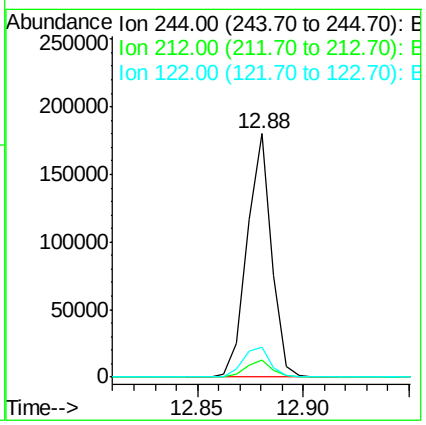


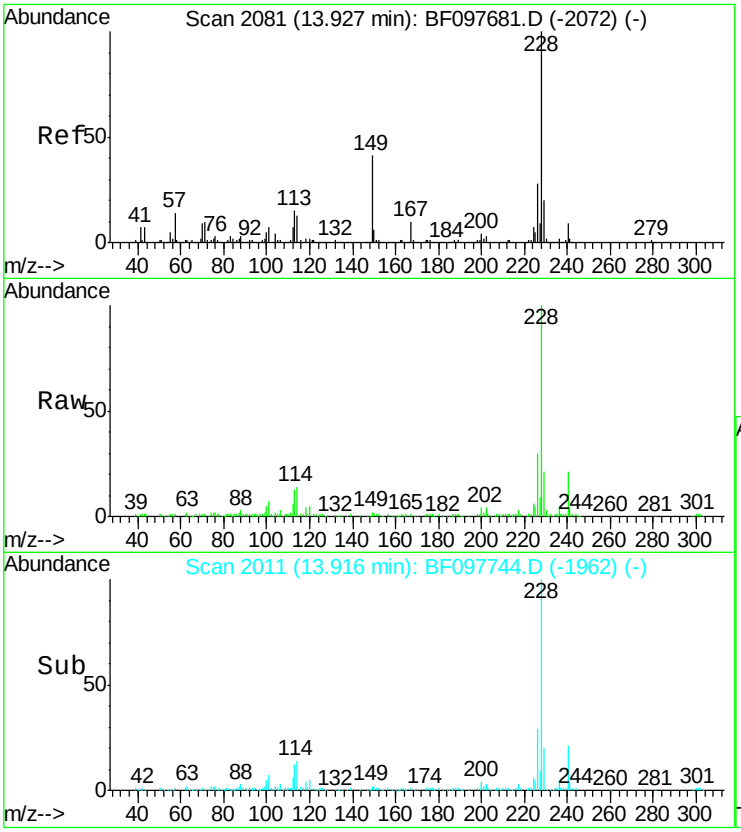




#78
Terphenyl-d14
Concen: 10.55 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:244 Resp: 144650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 12.2 | 10.3 | 15.5 |



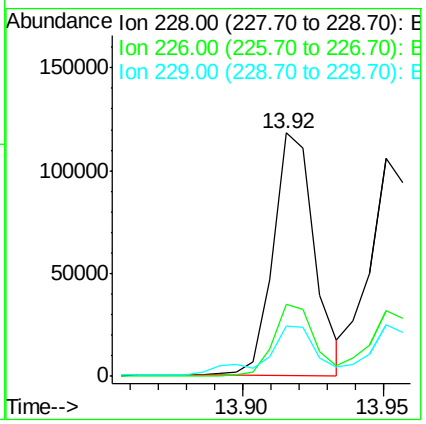


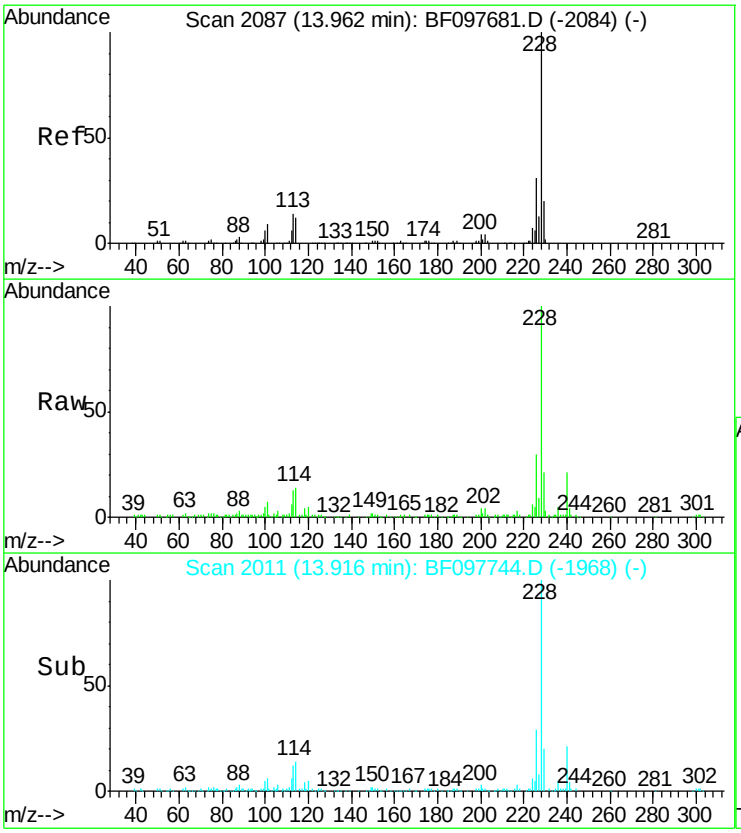

#80
Benzo(a)anthracene
Concen: 6.99 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:228 Resp: 119770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 22.6 | 33.8 |
| 229 | 20.9 | 16.3 | 24.5 |

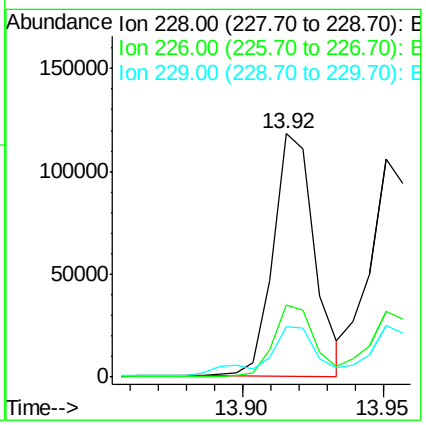


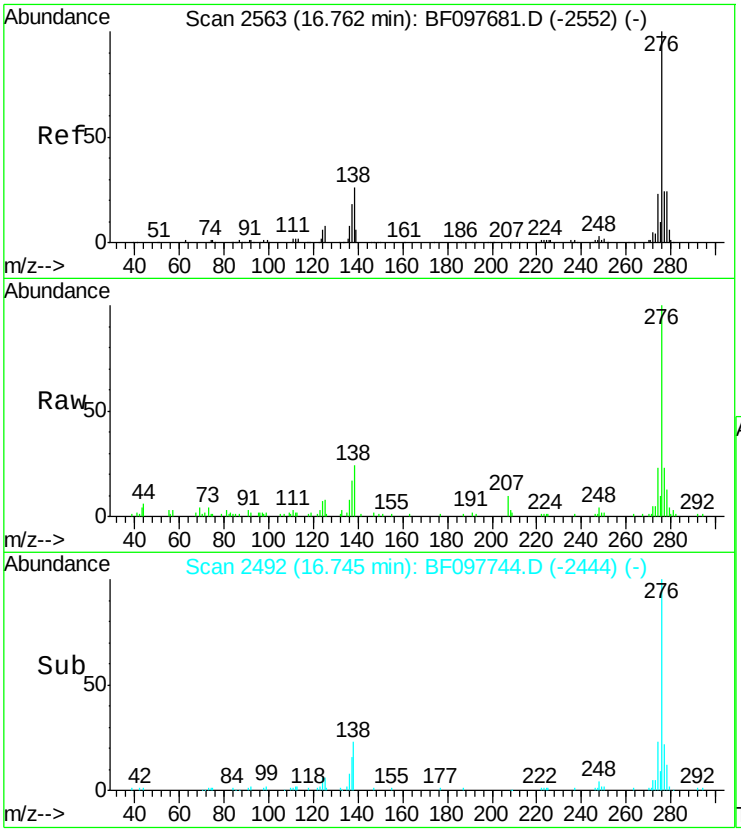




#82
Chrysene
Concen: 7.03 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:228 Resp: 119770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.9 | 37.3 |
| 229 | 20.9 | 15.8 | 23.6 |



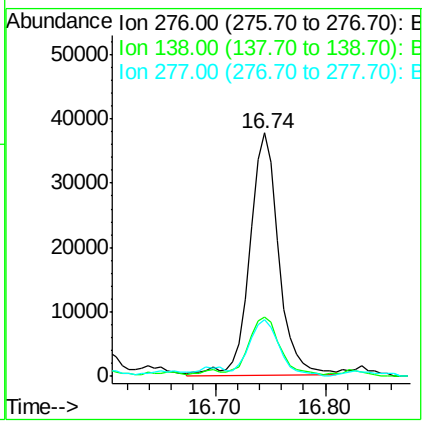


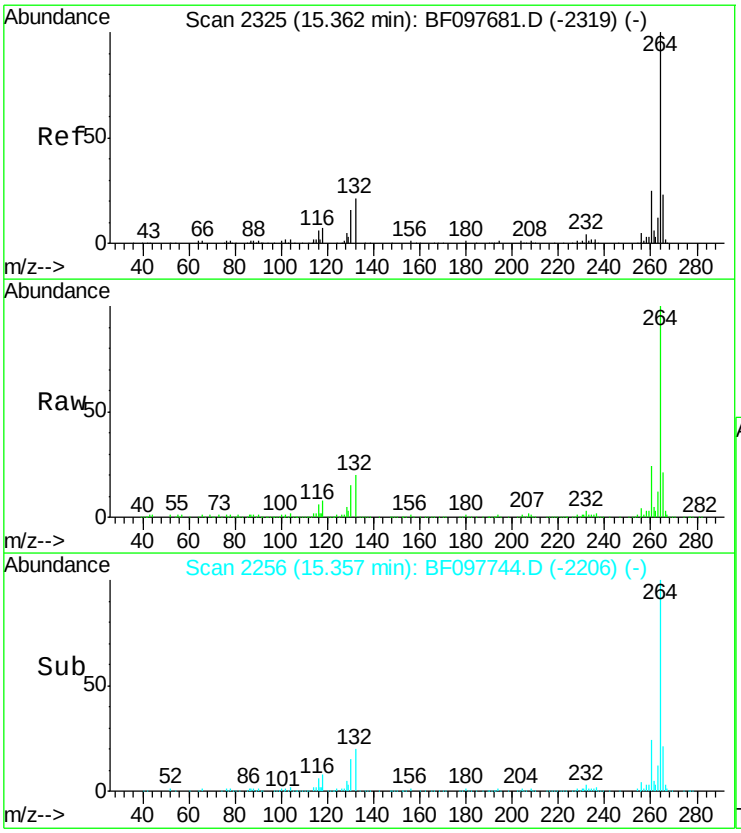

#85
Indeno(1,2,3-cd)pyrene
Concen: 5.56 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:276 Resp: 69685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.5 | 27.8 | 41.6# |
| 277 | 24.5 | 20.2 | 30.4 |

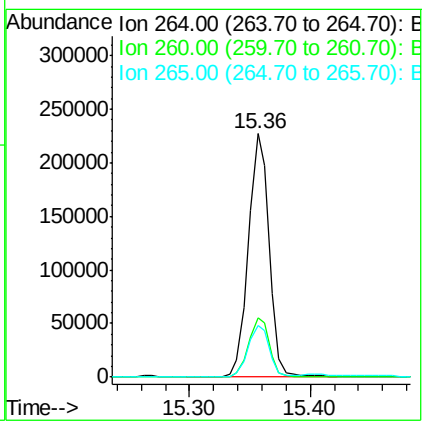


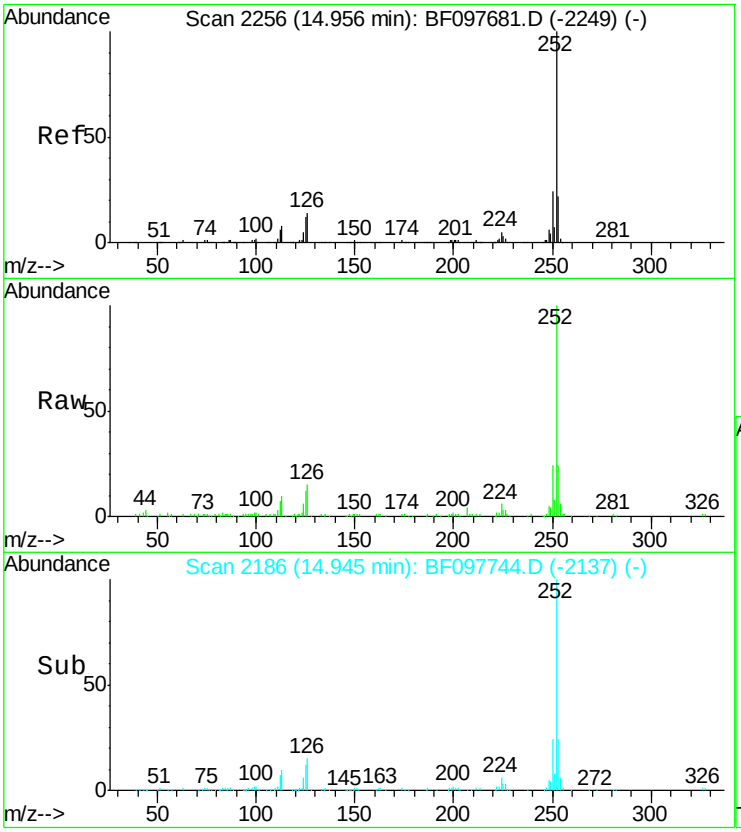




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:264 Resp: 272664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.5 | 29.3 |
| 265 | 21.2 | 17.2 | 25.8 |



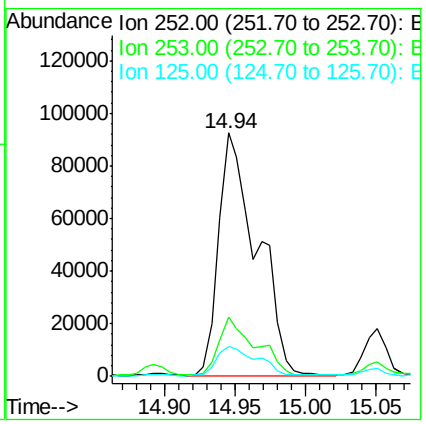


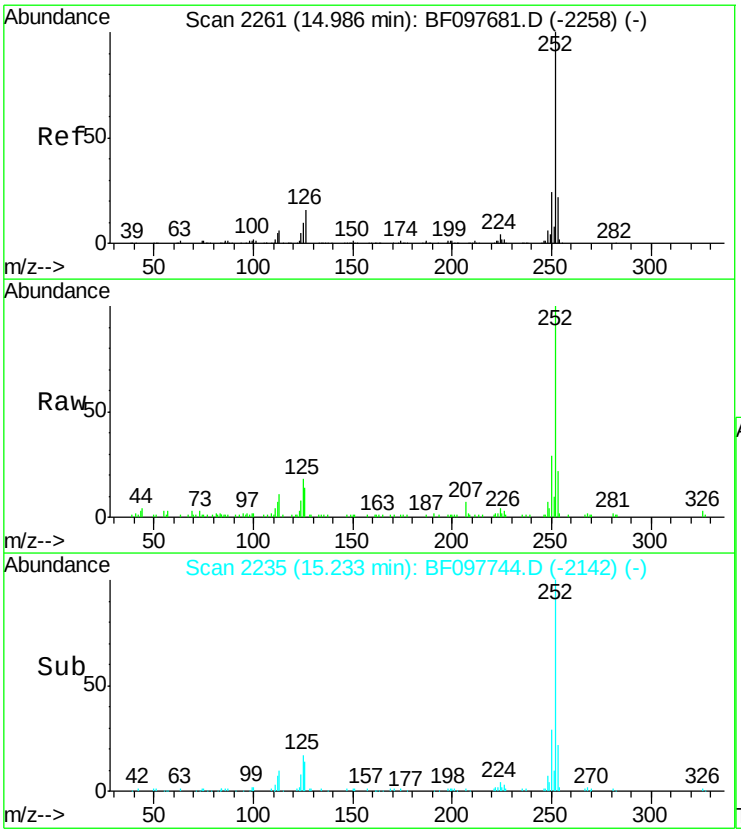

#87
Benzo(b)fluoranthene
Concen: 10.17 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:252 Resp: 174756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 18.1 | 27.1 |
| 125 | 12.5 | 9.8 | 14.8 |

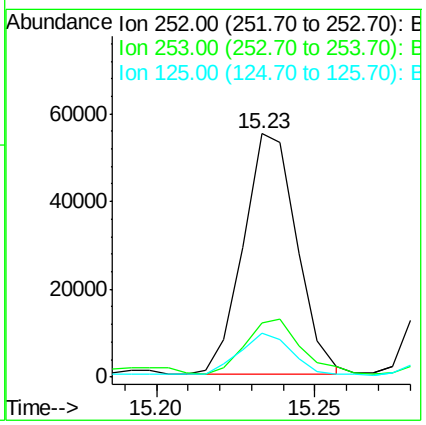


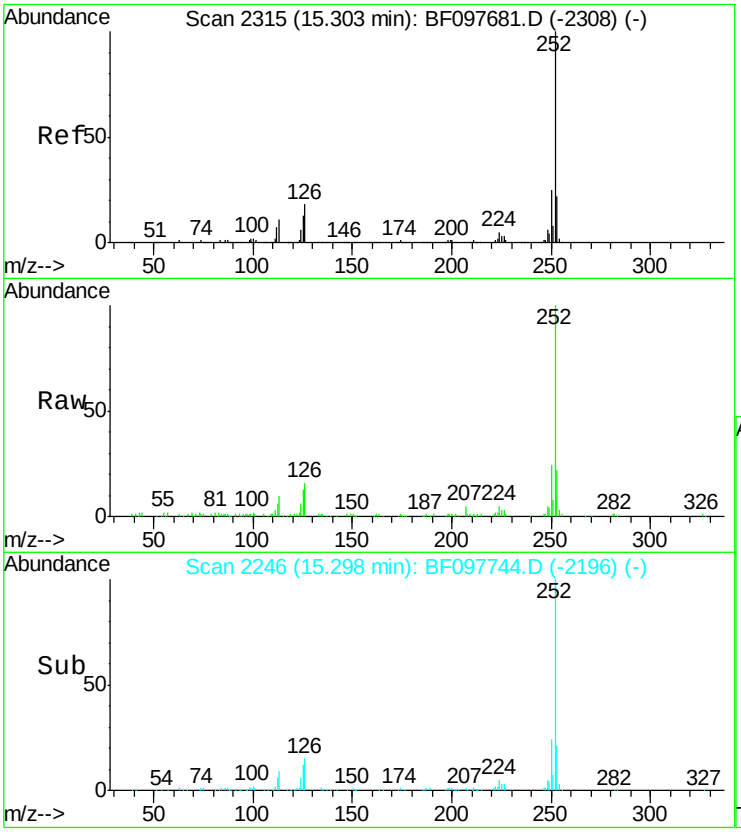




#88
Benzo(k)fluoranthene
Concen: 3.96 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.25 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion:252 Resp: 64013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 18.4 | 27.6 |
| 125 | 18.0 | 13.1 | 19.7 |






#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-3

Tgt Ion:252 Resp: 105632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 12.5 | 11.0 | 16.4 |