Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097742.D
Acq On : 16 Aug 2017 16:47
Operator : SJ/JU
Sample : I4739-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S11-WC-1

Quant Time: Aug 17 01:22:15 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 | 6.77 | 152 | 137916 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.06 | 136 | 549528 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 240799 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 429843 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.93 | 240 | 250364 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.36 | 264 | 241908 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 193176 | 21.31 | ng | | -0.01 |
| 7) Phenol-d6 | 6.39 | 99 | 261065 | 21.19 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 159303 | 15.75 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 43868 | 21.00 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 260707 | 15.91 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.88 | 244 | 175088 | 14.58 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70 | 21055 | 2.50 | ng | # | 75 |
| 25) Isophorone | 7.33 | 82 | 158675 | 7.54 | ng | # | 67 |
| 32) Benzoic acid | 7.84 | 122 | 376 | 6.46 | ng | # | 17 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 31423 | 8.94 | ng | # | 34 |
| 51) Acenaphthene | 9.85 | 154 | 33041 | 2.06 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 31423 | 7.13 | ng | # | 34 |
| 70) Phenanthrene | 11.32 | 178 | 679728 | 29.68 | ng | | 99 |
| 71) Anthracene | 11.37 | 178 | 149228 | 6.42 | ng | | 99 |
| 72) Carbazole | 11.52 | 167 | 50828 | 2.30 | ng | | 99 |
| 74) Fluoranthene | 12.51 | 202 | 1031634 | 43.15 | ng | | 98 |
| 77) Pyrene | 12.74 | 202 | 1054760 | 51.51 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 443110 | 29.53 | ng | | 98 |
| 82) Chrysene | 13.96 | 228 | 388852 | 26.05 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.60 | 276 | 47412 | 4.32 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 14.96 | 252 | 665520 | 43.65 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 75385 | 5.26 | ng | | 94 |
| 89) Benzo(a)pyrene | 15.30 | 252 | 394618 | 29.23 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 53296 | 4.85 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.18 | 276 | 261940 | 22.84 | ng | # | 91 |

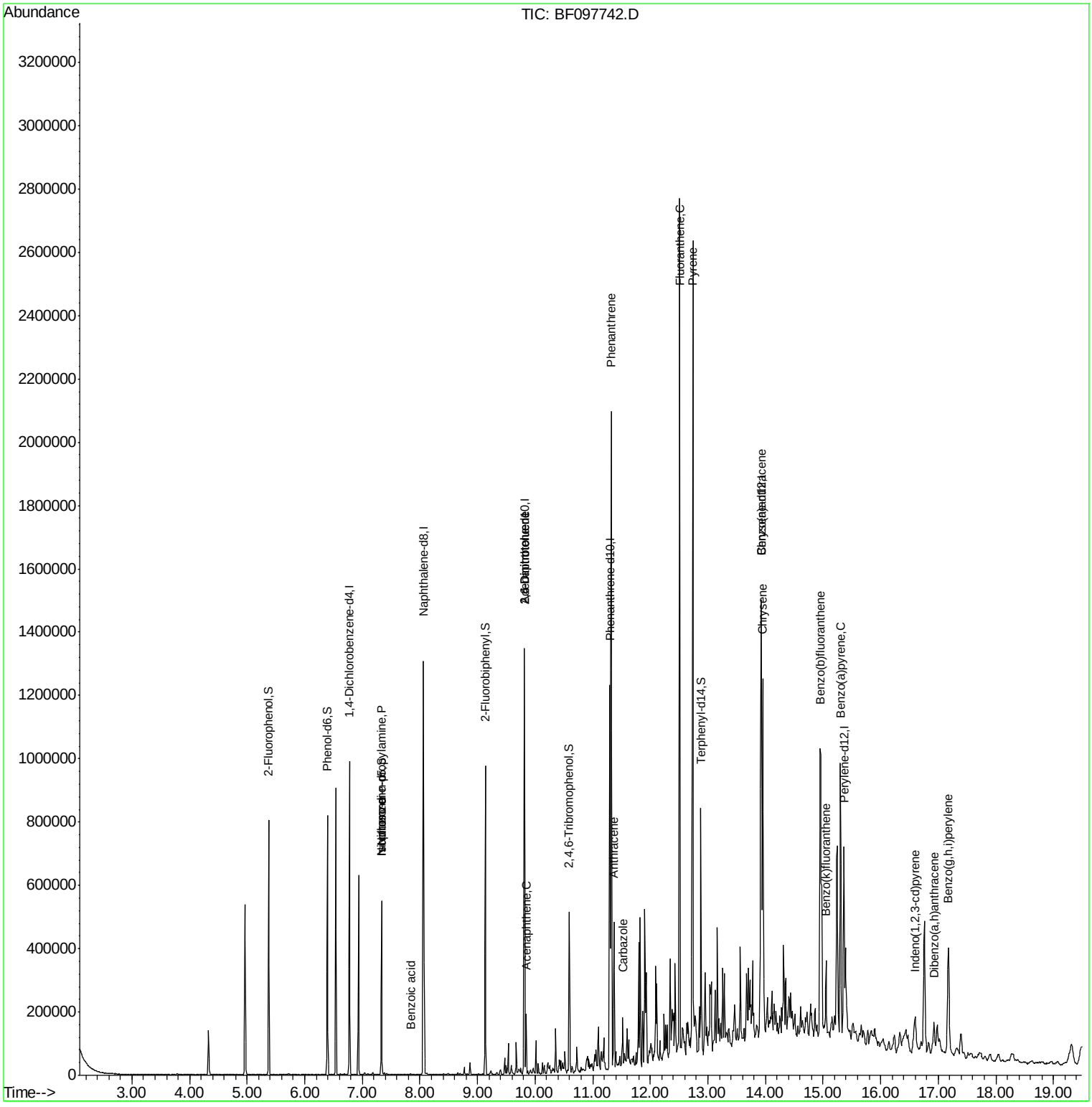
(#) = qualifier out of range (m) = manual integration (+) = signals summed

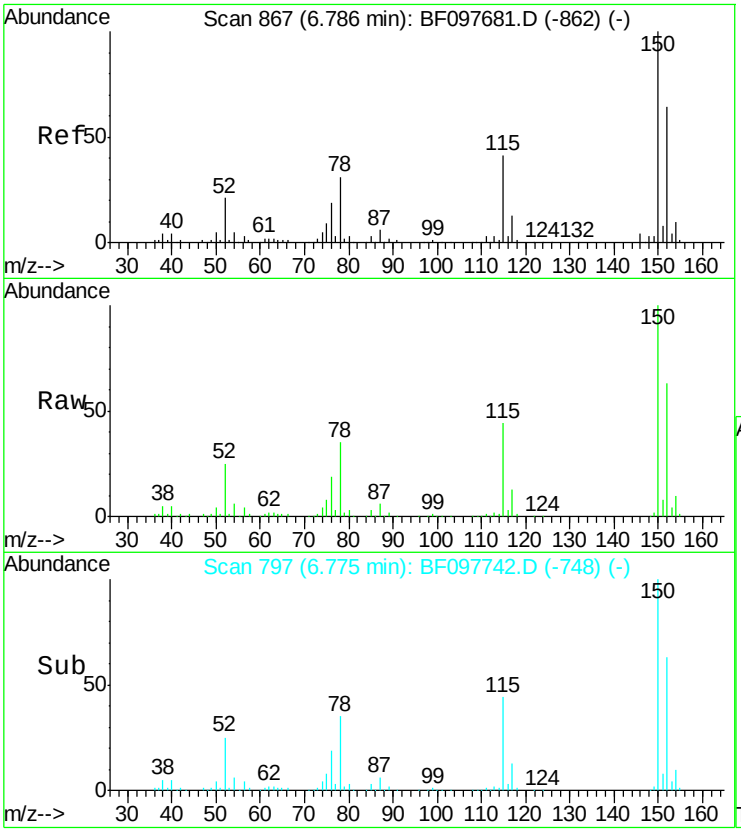
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097742.D
Acq On : 16 Aug 2017 16:47
Operator : SJ/JU
Sample : I4739-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Quant Time: Aug 17 01:22:15 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



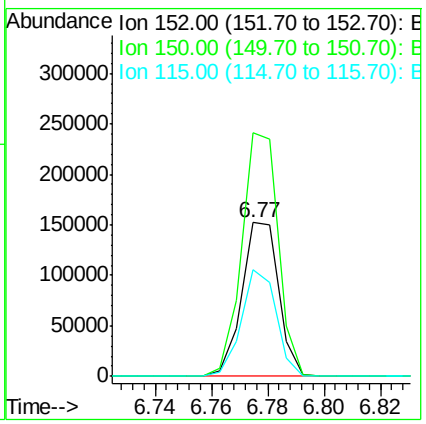


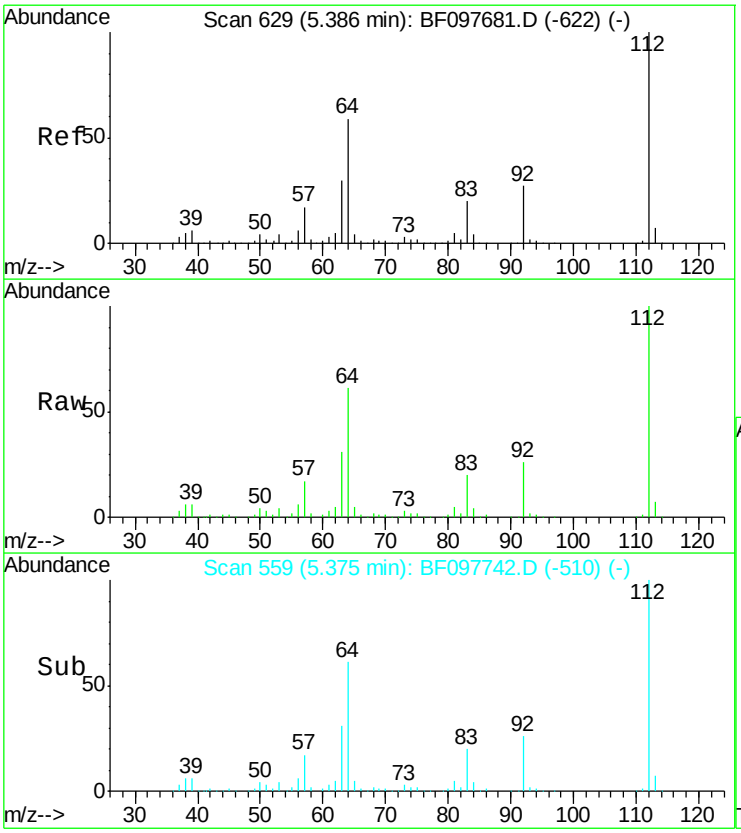

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:152 Resp: 137916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.3 | 126.2 | 189.2 |
| 115 | 69.5 | 52.2 | 78.2 |

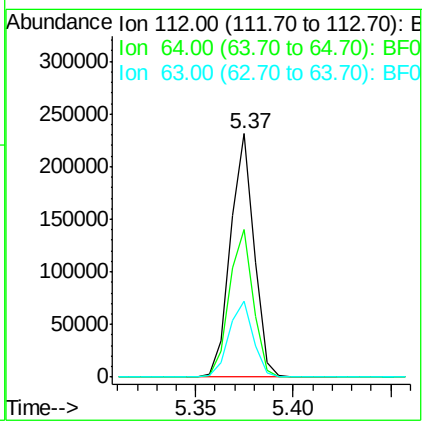


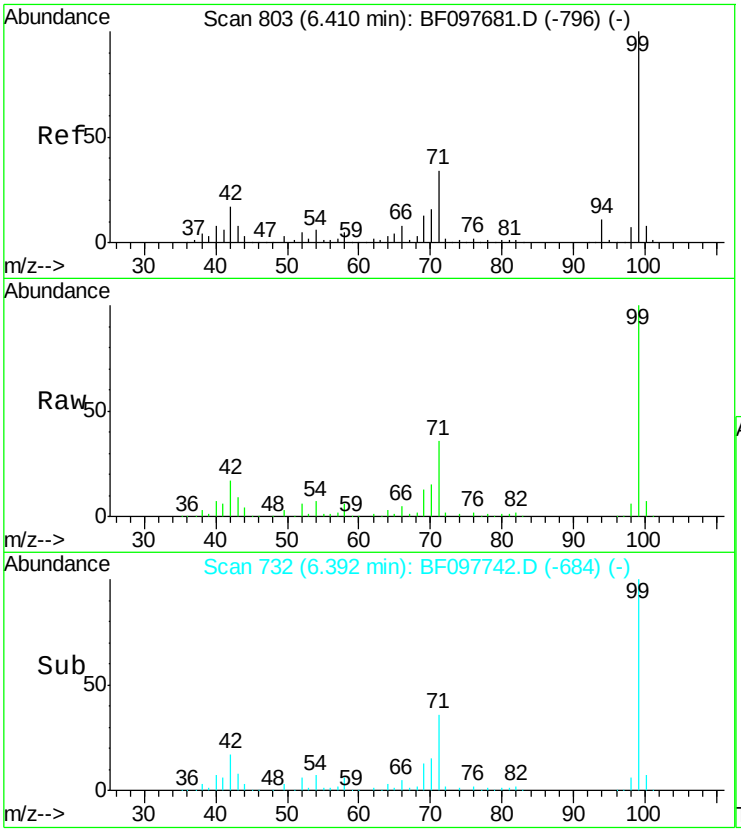




#5
2-Fluorophenol
Concen: 21.31 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:112 Resp: 193176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.7 | 46.0 | 69.0 |
| 63 | 31.0 | 23.4 | 35.0 |



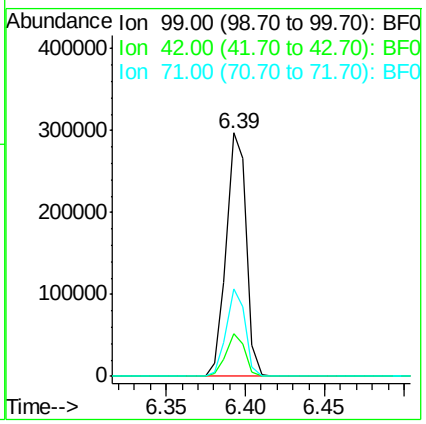


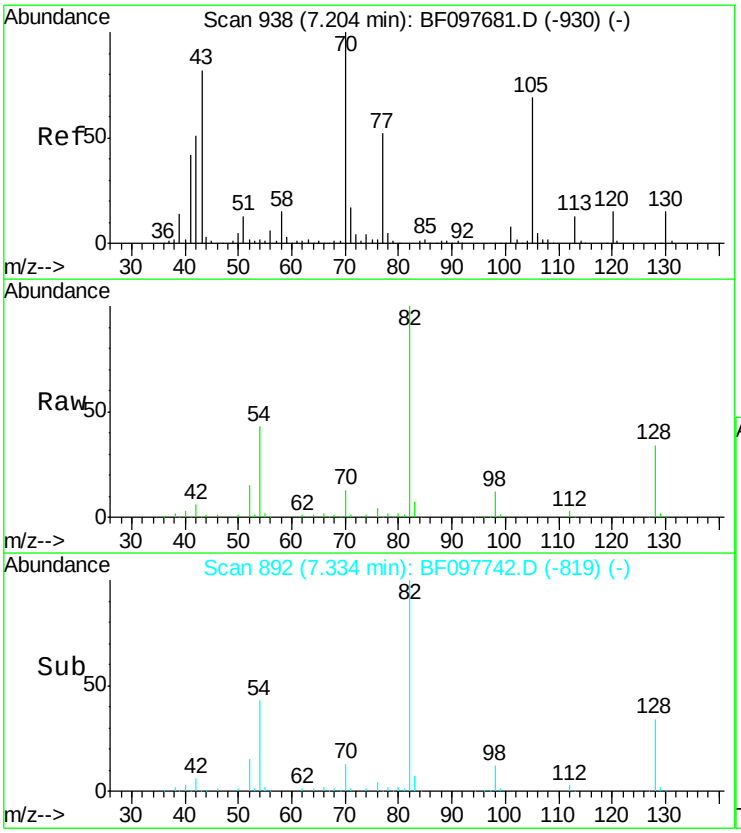

#7
Phenol-d6
Concen: 21.19 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion: 99 Resp: 261065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 13.5 | 20.3 |
| 71 | 36.0 | 24.5 | 36.7 |

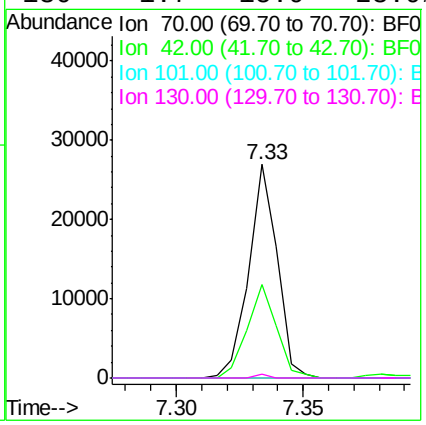


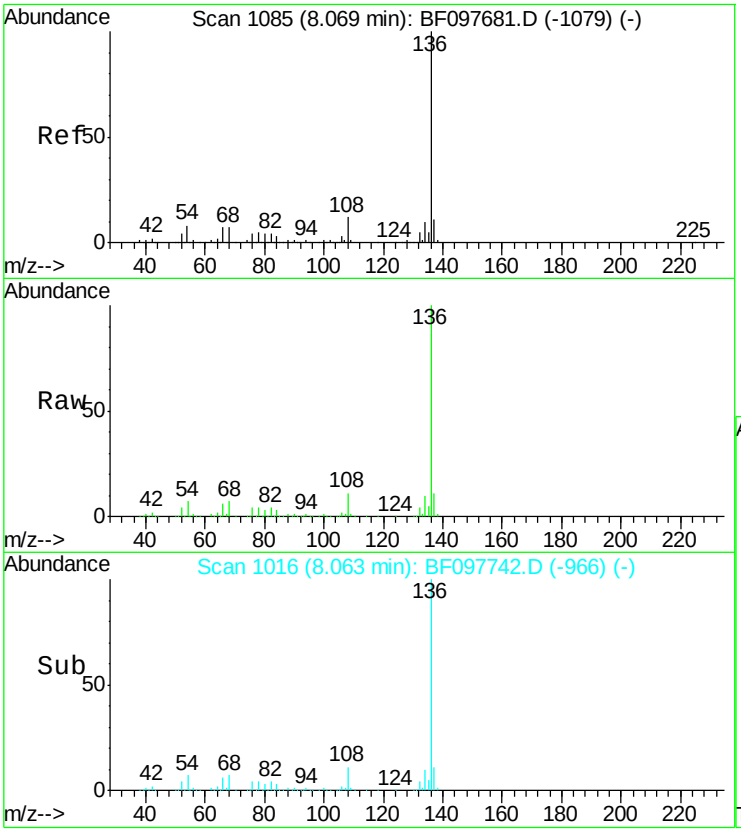




#19
n-Nitroso-di-n-propylamine
Concen: 2.50 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.13 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion: 70 Resp: 21055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.9 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 1.7 | 15.9 | 23.9# |



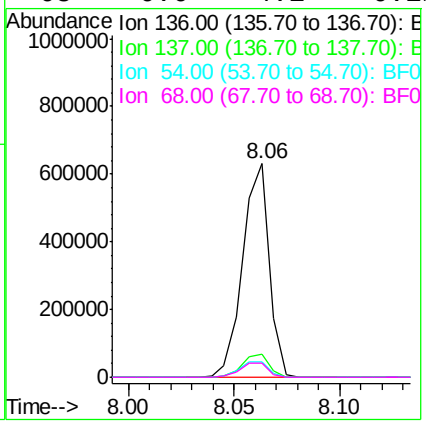


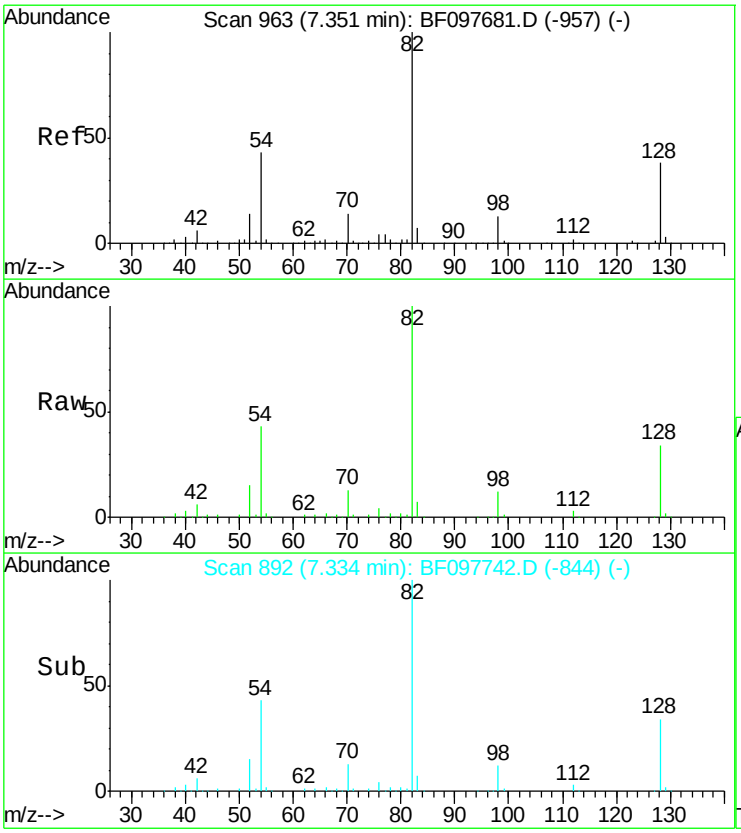

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:136 Resp: 549528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.5 | 12.7 |
| 54 | 7.2 | 4.9 | 7.3 |
| 68 | 6.6 | 4.1 | 6.1# |

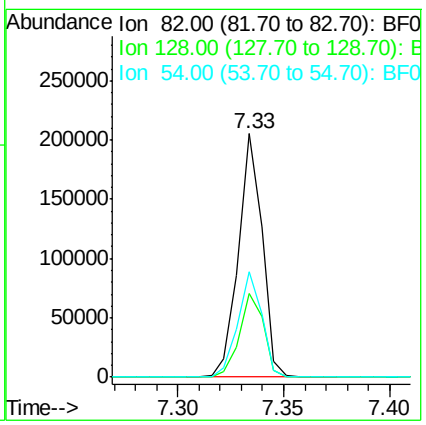


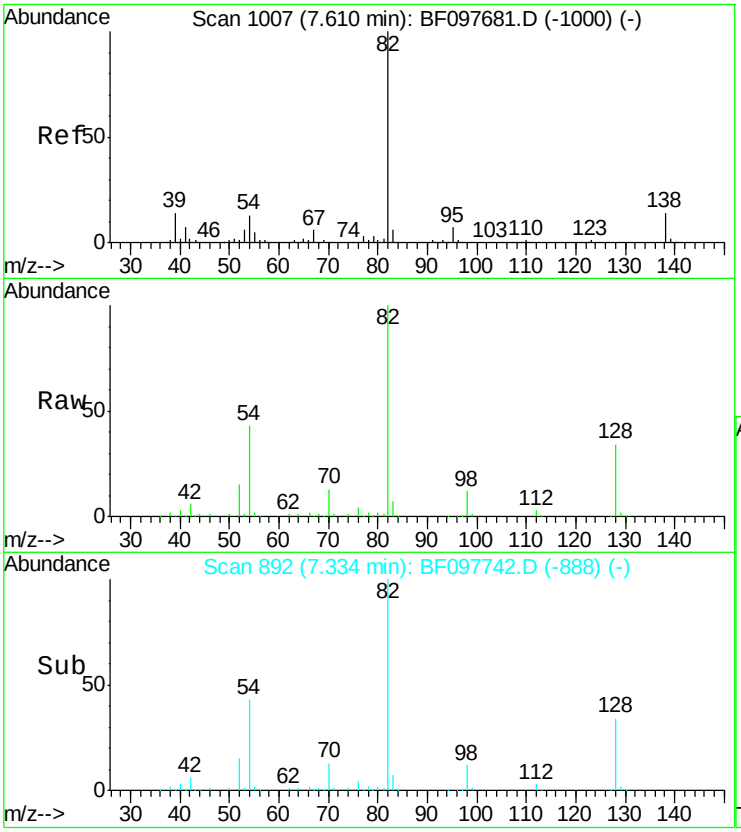




#23
Nitrobenzene-d5
Concen: 15.75 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion: 82 Resp: 159303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.4 | 34.0 | 51.0 |
| 54 | 43.0 | 42.2 | 63.2 |



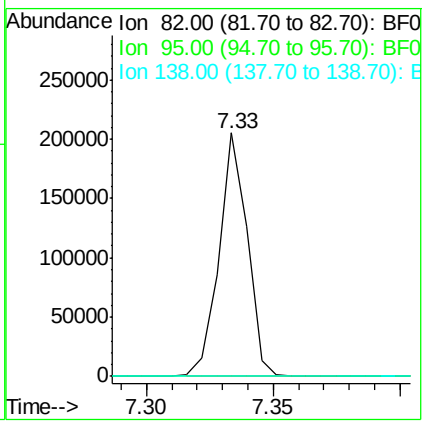


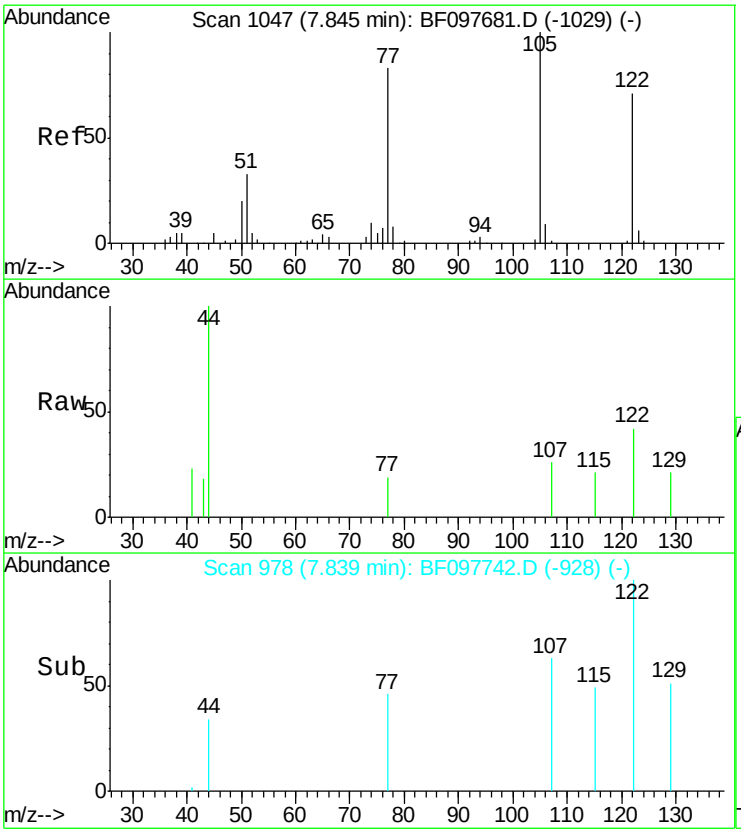

#25
Isophorone
Concen: 7.54 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion: 82 Resp: 158675

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

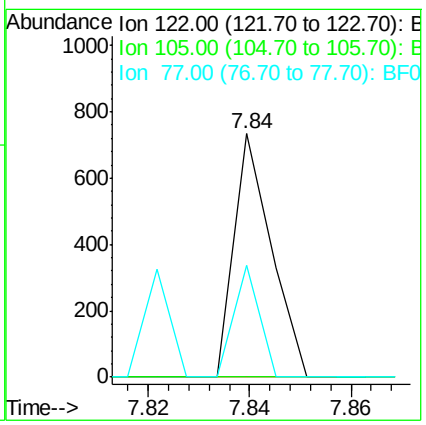


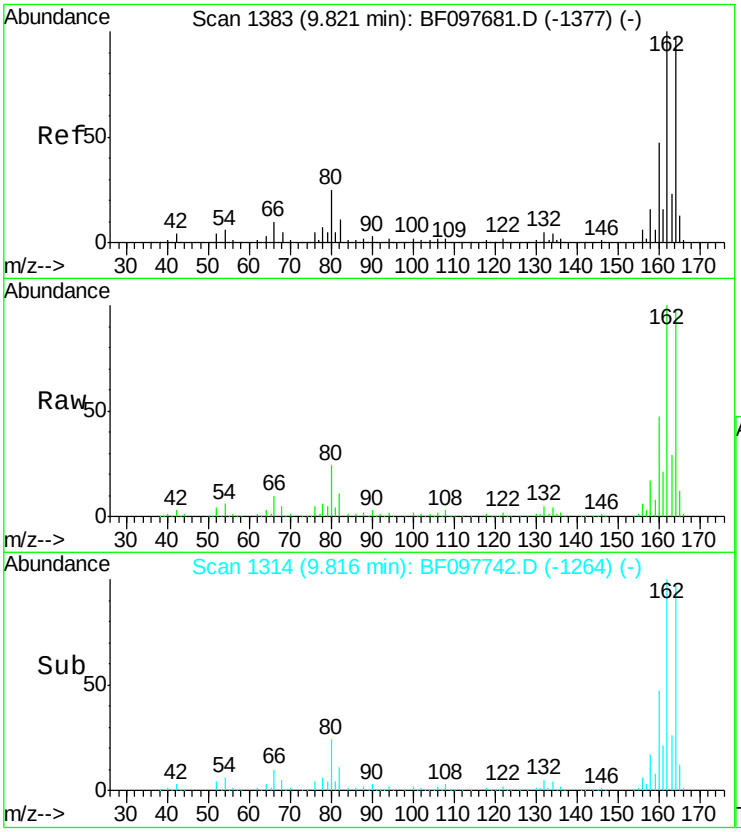




#32
Benzoic acid
Concen: 6.46 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:122 Resp: 376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 103.3 | 143.3# |
| 77 | 46.2 | 73.7 | 113.7# |



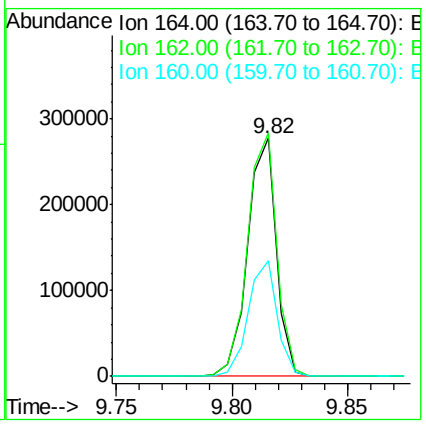


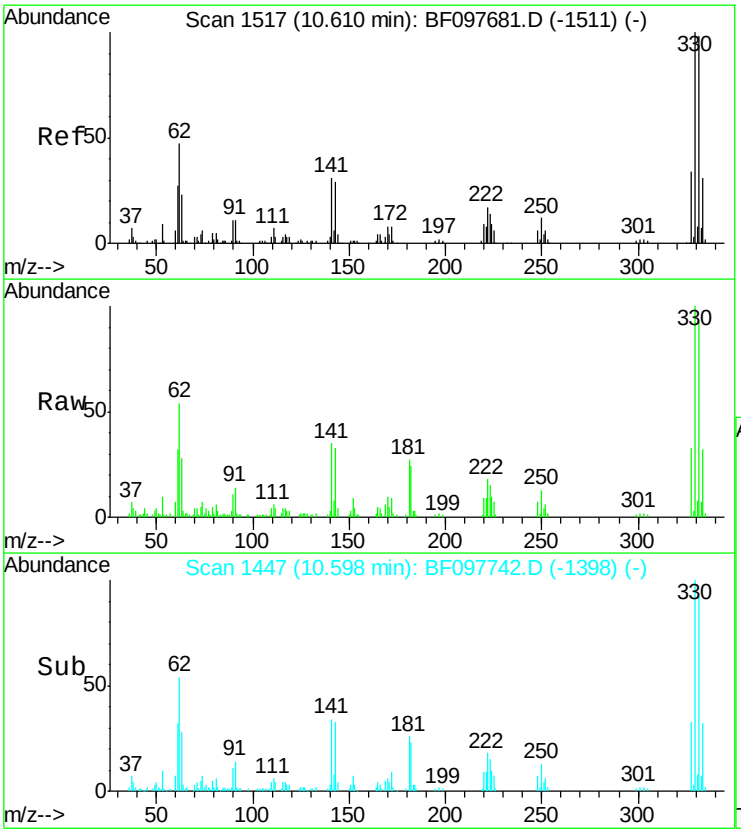

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:164 Resp: 240799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 82.6 | 123.8 |
| 160 | 48.4 | 36.2 | 54.2 |

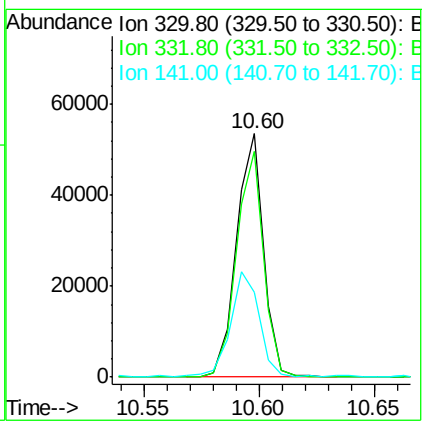


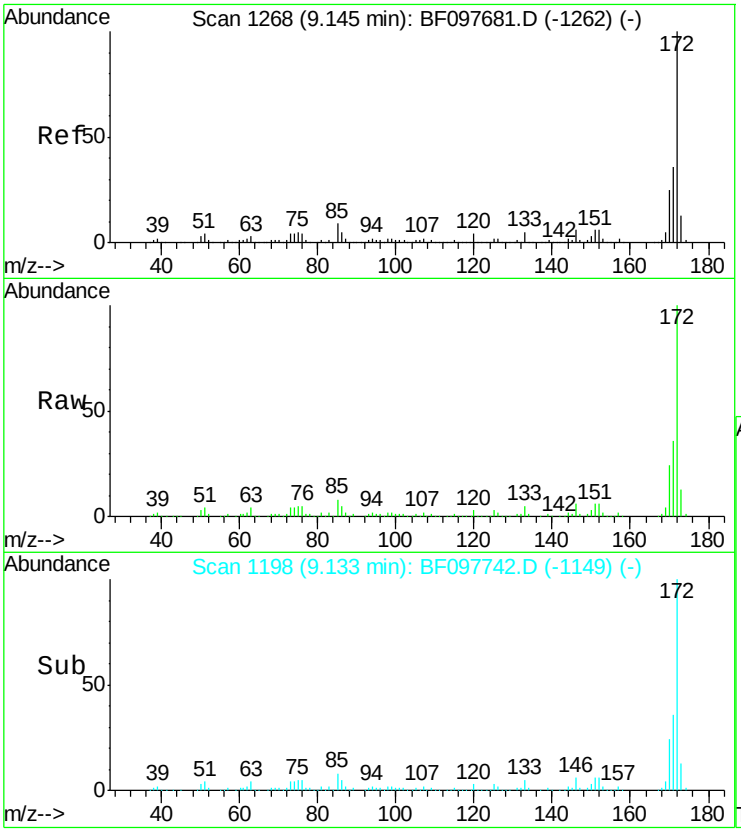




#41
2,4,6-Tribromophenol
Concen: 21.00 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:330 Resp: 43868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.3 | 76.6 | 115.0 |
| 141 | 46.5 | 31.4 | 47.2 |



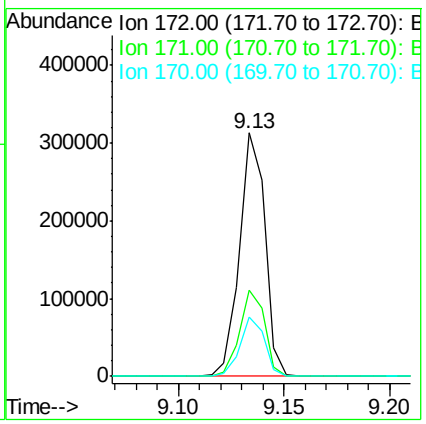


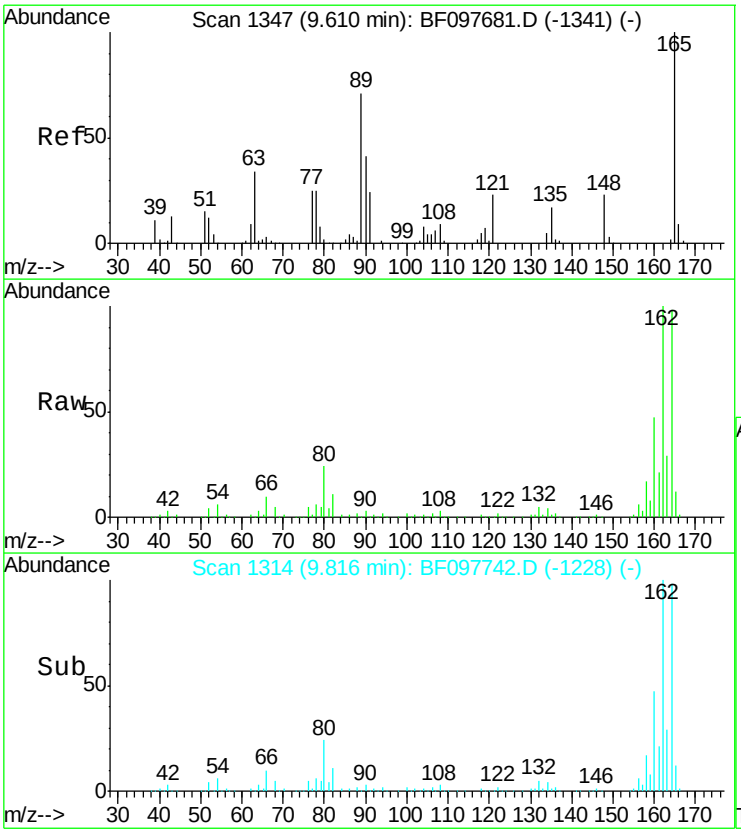

#44
2-Fluorobiphenyl
Concen: 15.91 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:172 Resp: 260707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 29.6 | 44.4 |
| 170 | 24.3 | 19.8 | 29.8 |

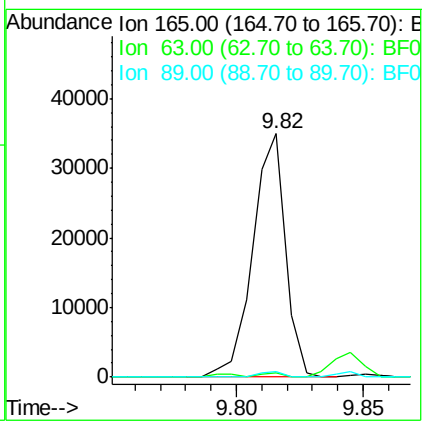


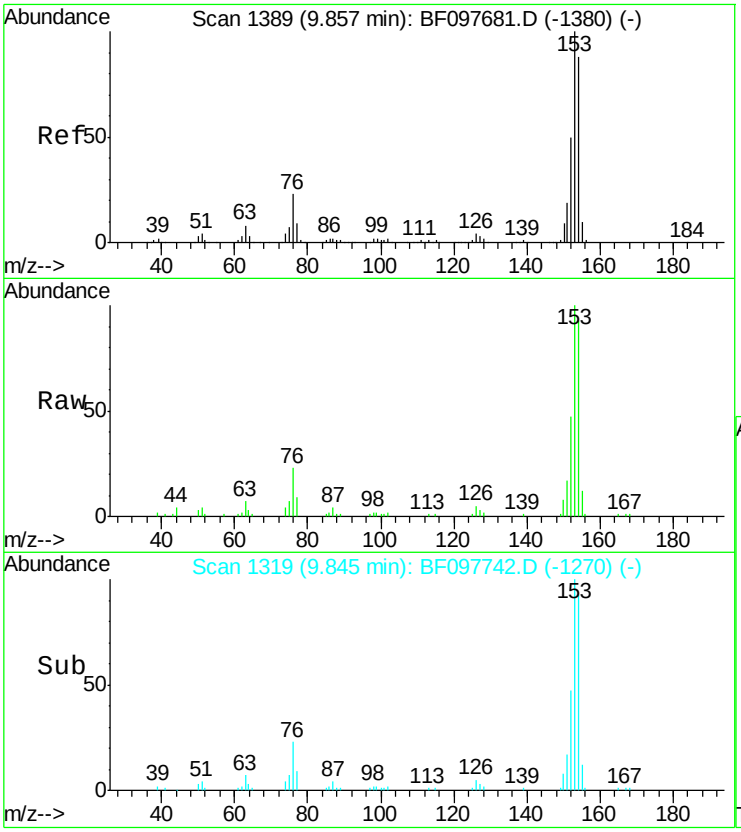




#50
2,6-Dinitrotoluene
Concen: 8.94 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:165 Resp: 31423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 34.3 | 51.5# |
| 89 | 2.4 | 37.1 | 55.7# |



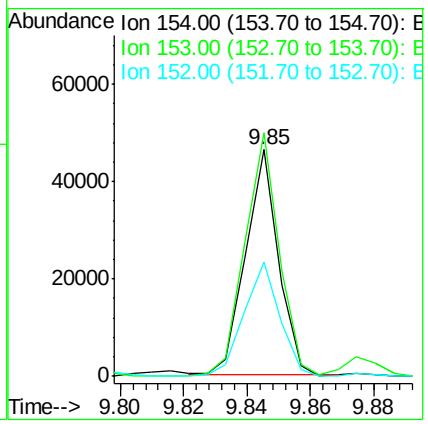


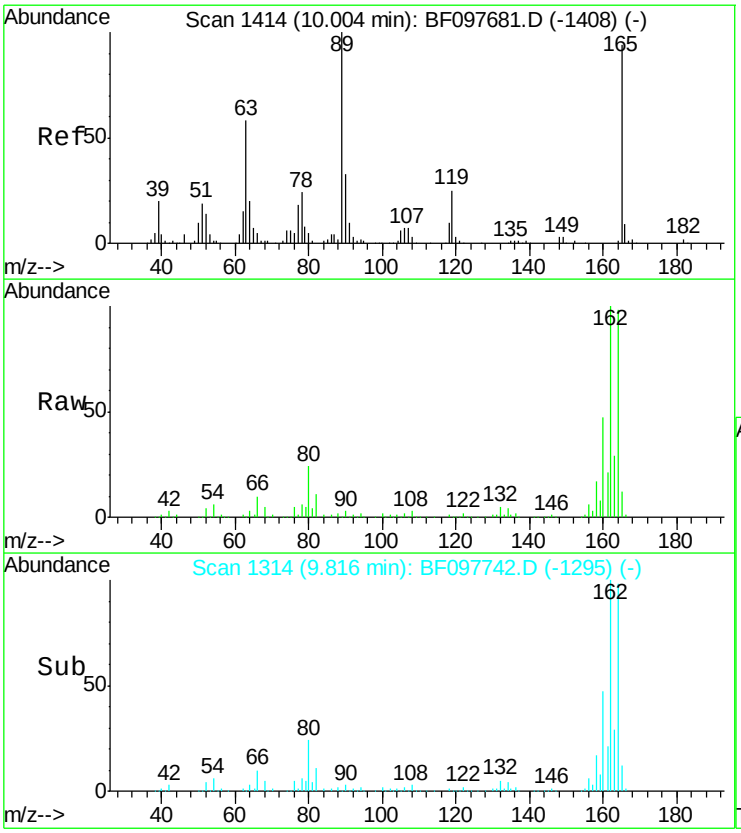

#51
Acenaphthene
Concen: 2.06 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:154 Resp: 33041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.4 | 90.5 | 135.7 |
| 152 | 50.6 | 43.6 | 65.4 |

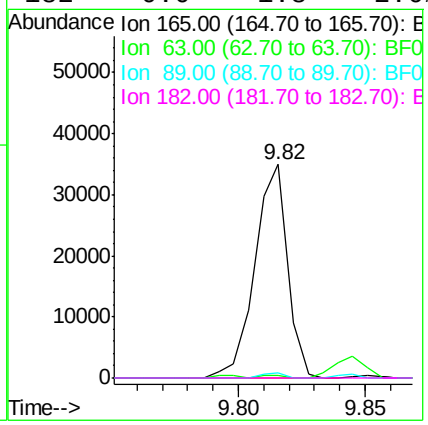


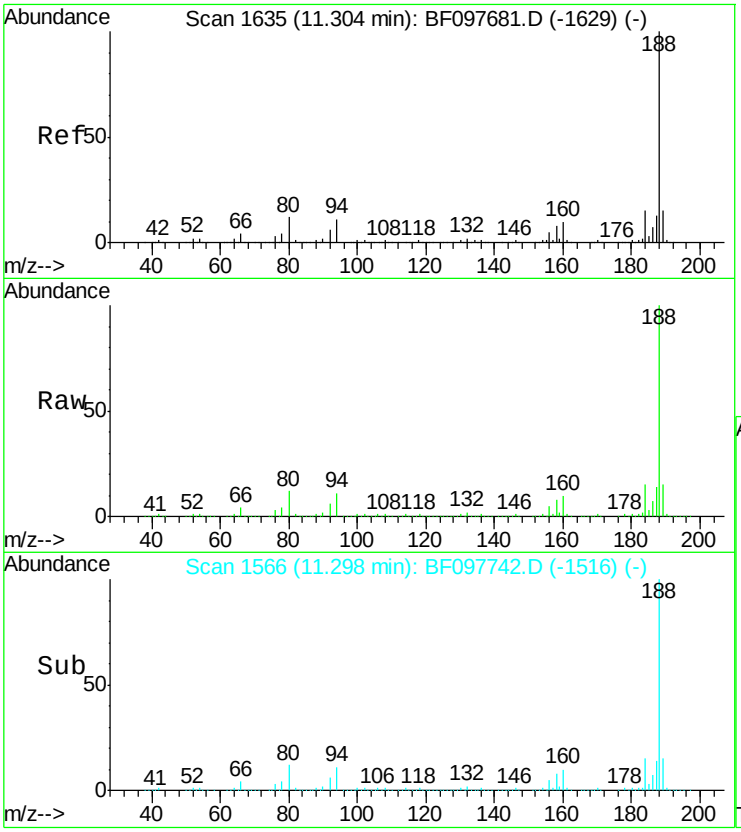




#56
2,4-Dinitrotoluene
Concen: 7.13 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:165 Resp: 31423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.5 | 25.4 | 38.0# |
| 89 | 2.4 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |



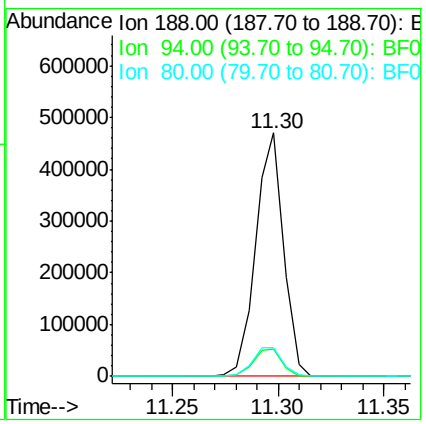


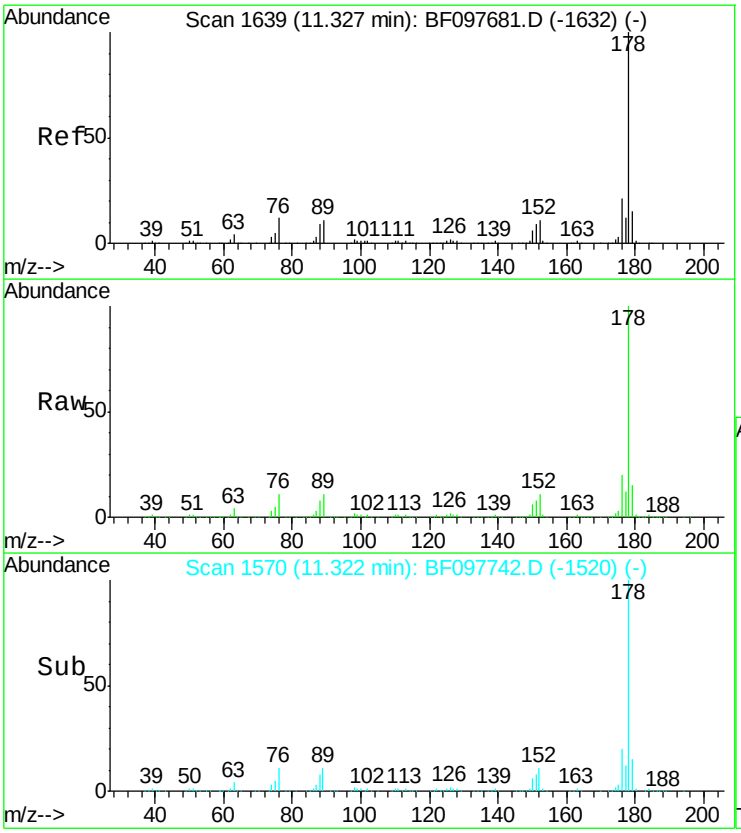

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:188 Resp: 429843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 9.4 | 14.2 |
| 80 | 12.0 | 10.2 | 15.2 |

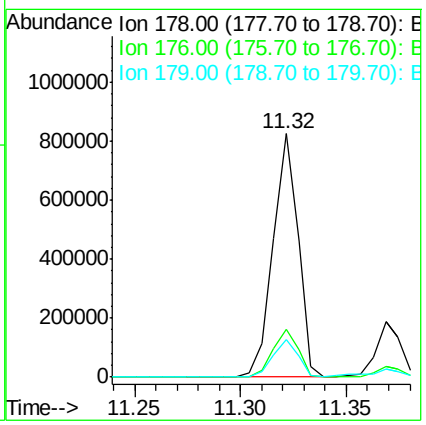


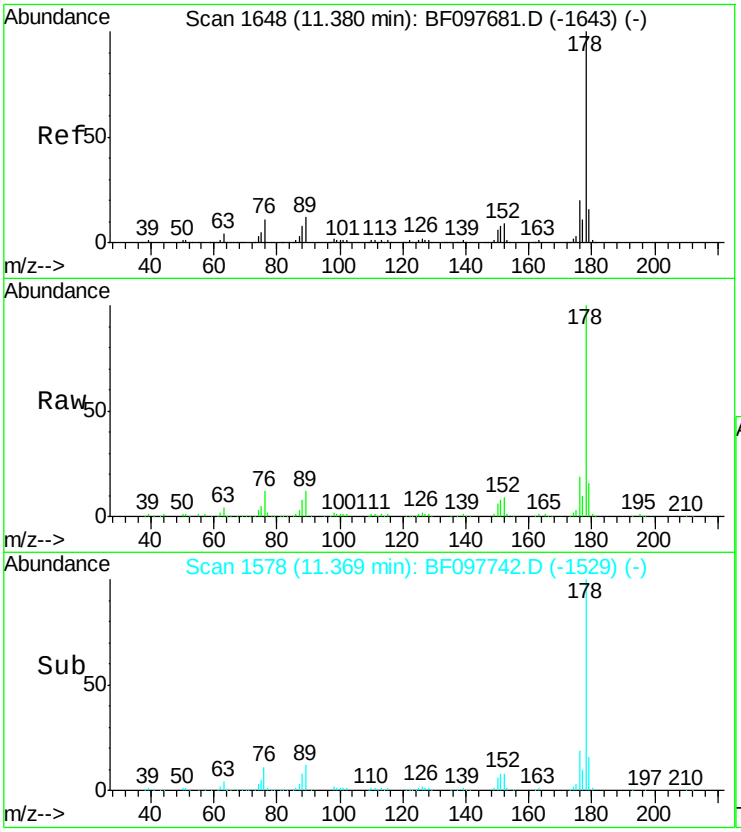




#70
Phenanthrene
Concen: 29.68 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:178 Resp: 679728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.2 | 24.4 |
| 179 | 15.4 | 12.6 | 19.0 |



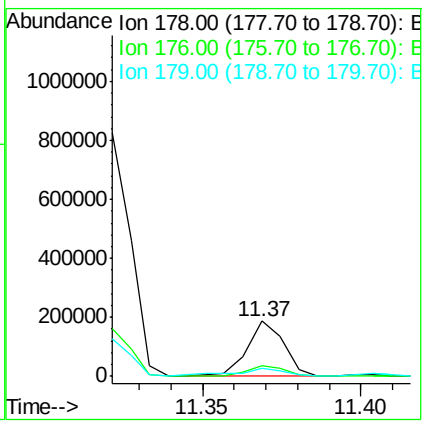


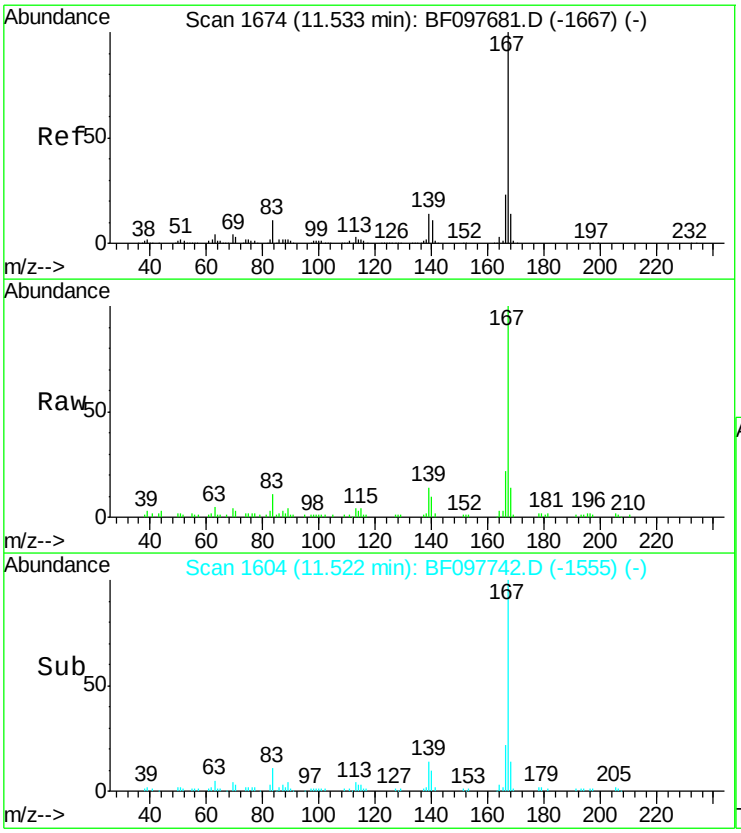

#71
Anthracene
Concen: 6.42 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:178 Resp: 149228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.8 | 23.8 |
| 179 | 15.7 | 12.7 | 19.1 |

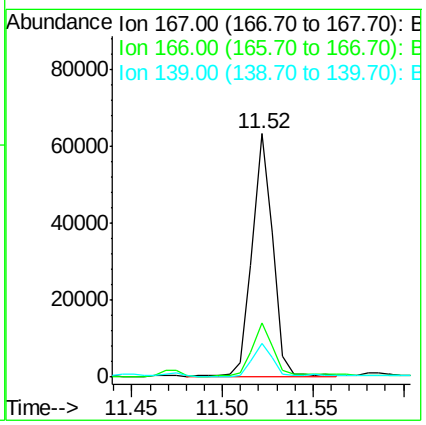


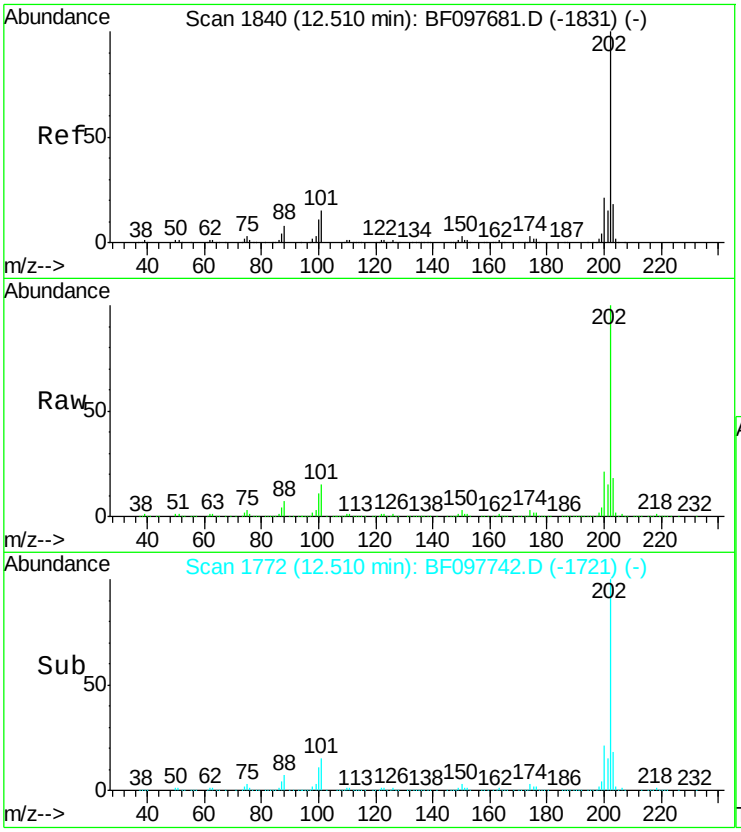




#72
Carbazole
Concen: 2.30 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:167 Resp: 50828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.4 | 18.1 | 27.1 |
| 139 | 13.6 | 11.7 | 17.5 |



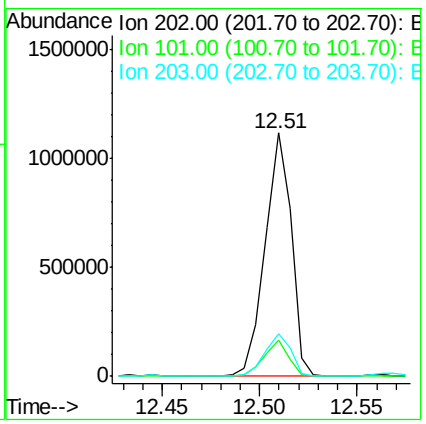


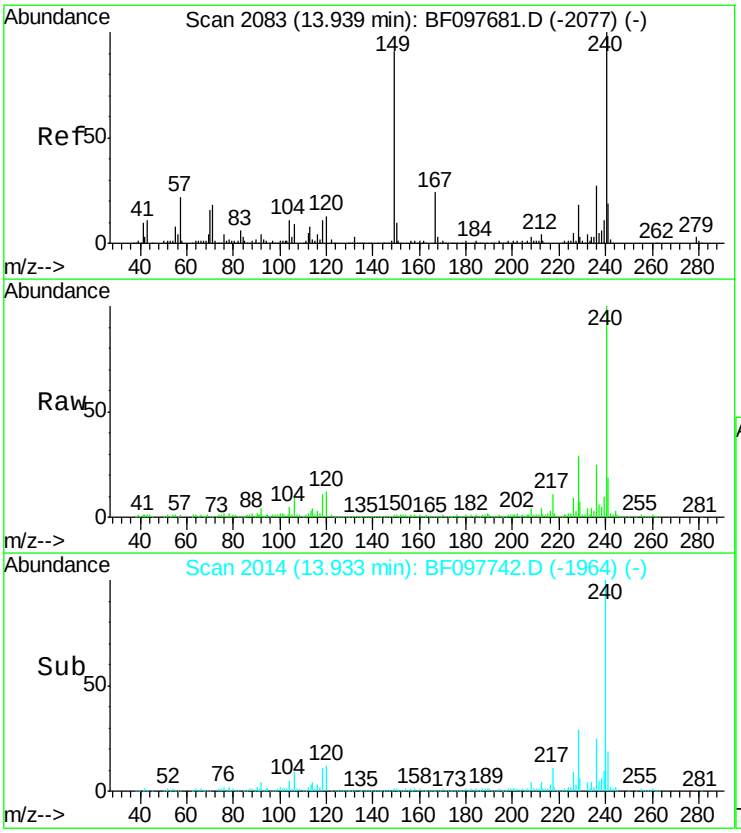

#74
Fluoranthene
Concen: 43.15 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:202 Resp: 1031634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.7 | 0.0 | 33.2 |
| 203 | 17.8 | 0.0 | 38.1 |

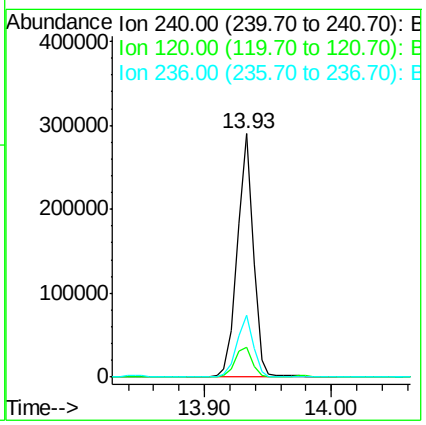


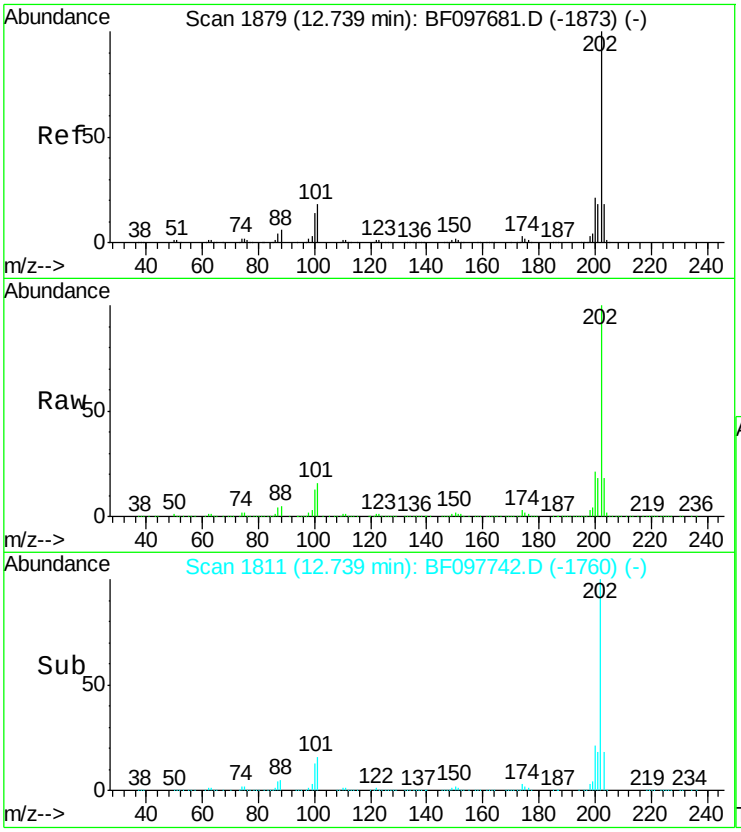




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:240 Resp: 250364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 5.8 | 8.8# |
| 236 | 25.3 | 20.5 | 30.7 |



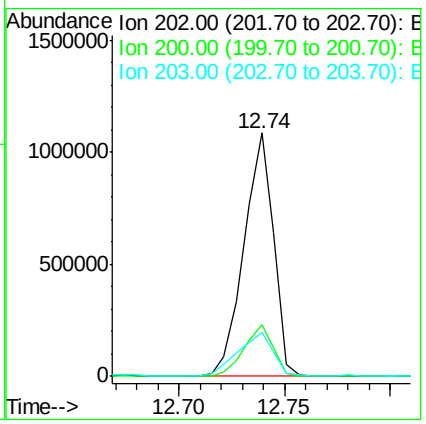


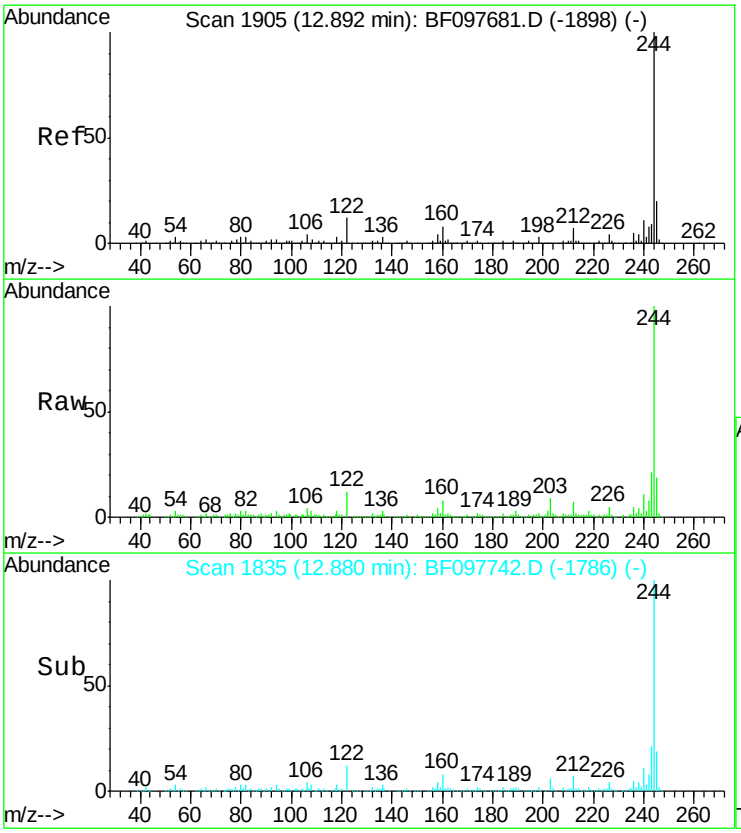

#77
Pyrene
Concen: 51.51 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:202 Resp: 1054760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.6 | 26.4 |
| 203 | 18.2 | 14.4 | 21.6 |

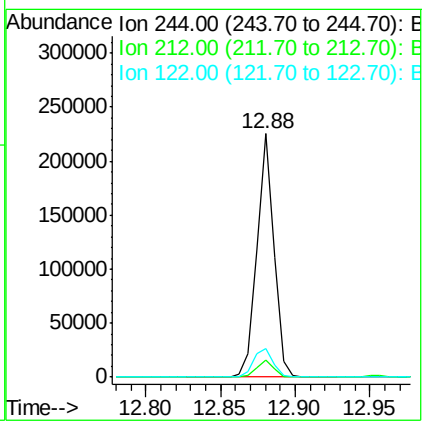


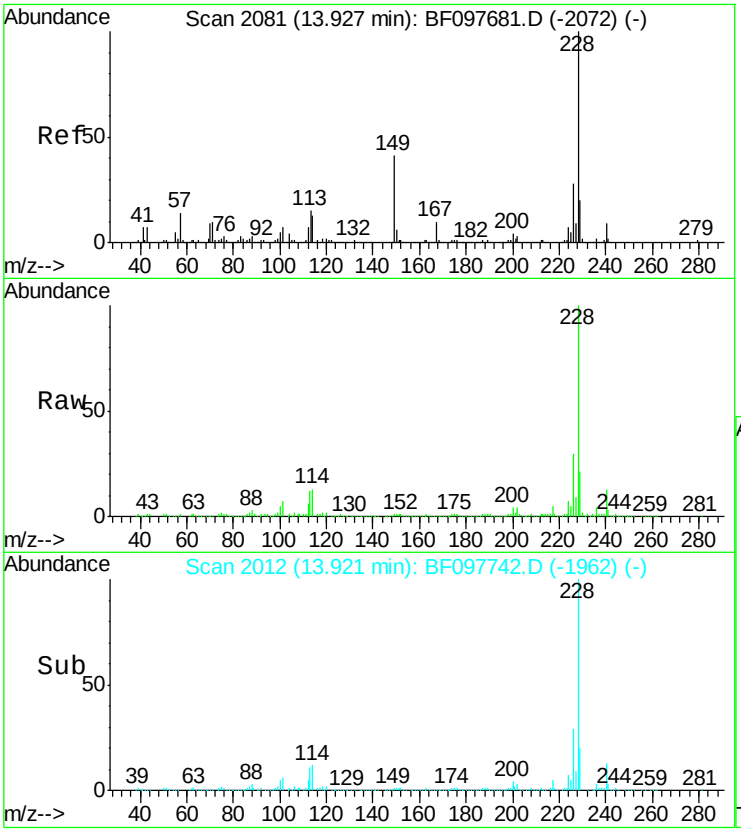




#78
Terphenyl-d14
Concen: 14.58 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:244 Resp: 175088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 6.0 | 9.0 |
| 122 | 11.9 | 10.3 | 15.5 |



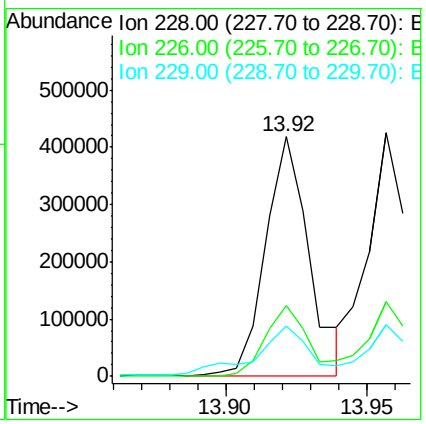


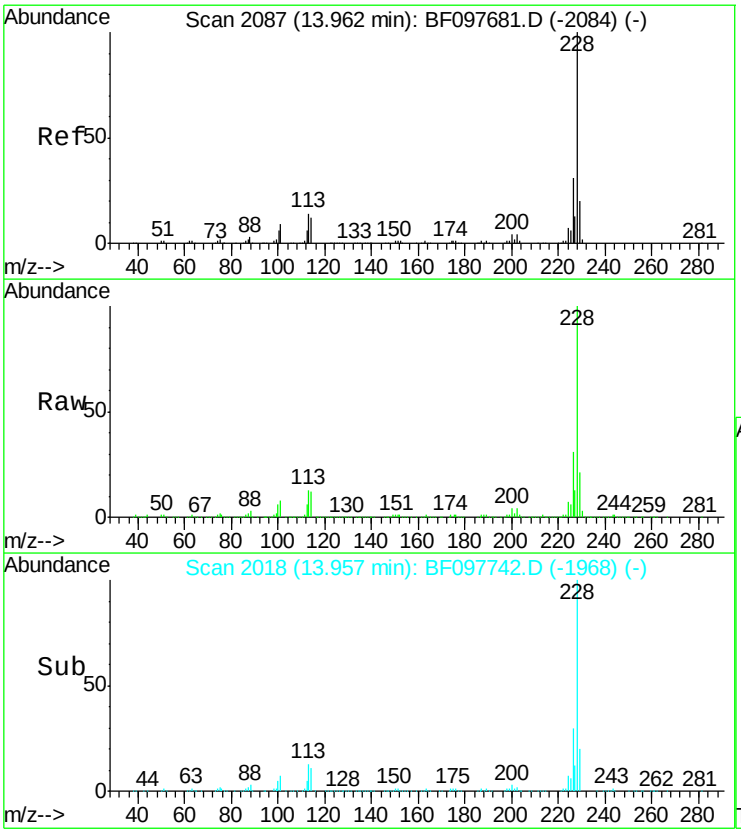

#80
Benzo(a)anthracene
Concen: 29.53 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:228 Resp: 443110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 22.6 | 33.8 |
| 229 | 20.9 | 16.3 | 24.5 |

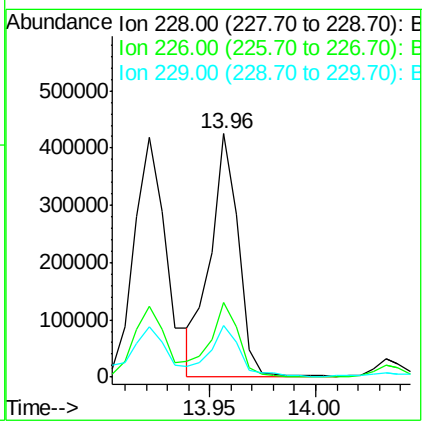


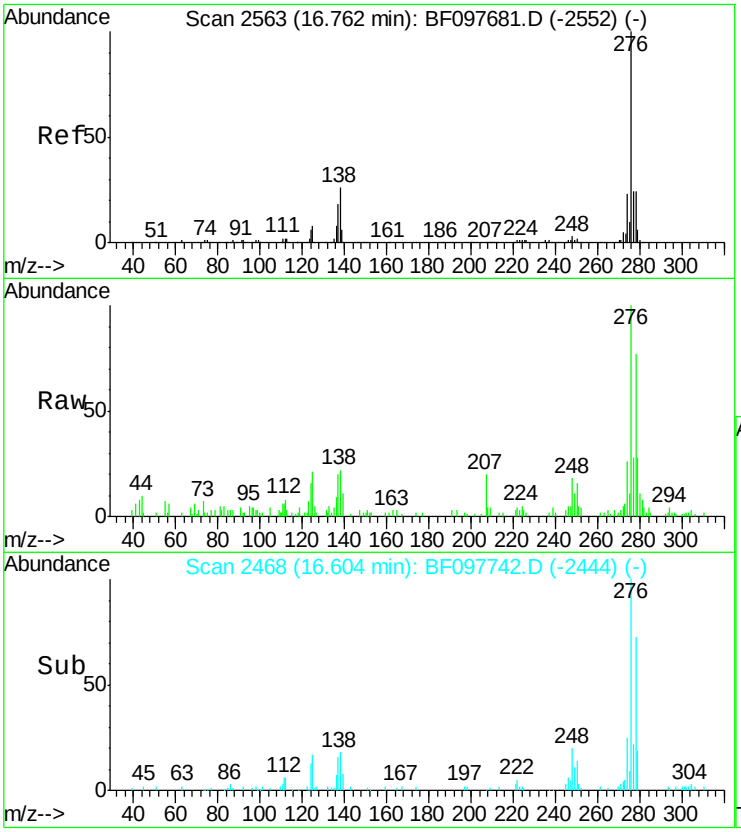




#82
Chrysene
Concen: 26.05 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:228 Resp: 388852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.9 | 37.3 |
| 229 | 21.1 | 15.8 | 23.6 |



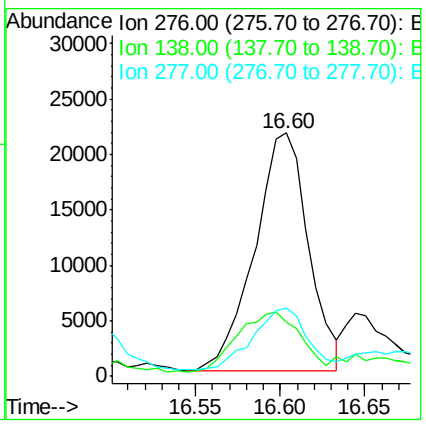


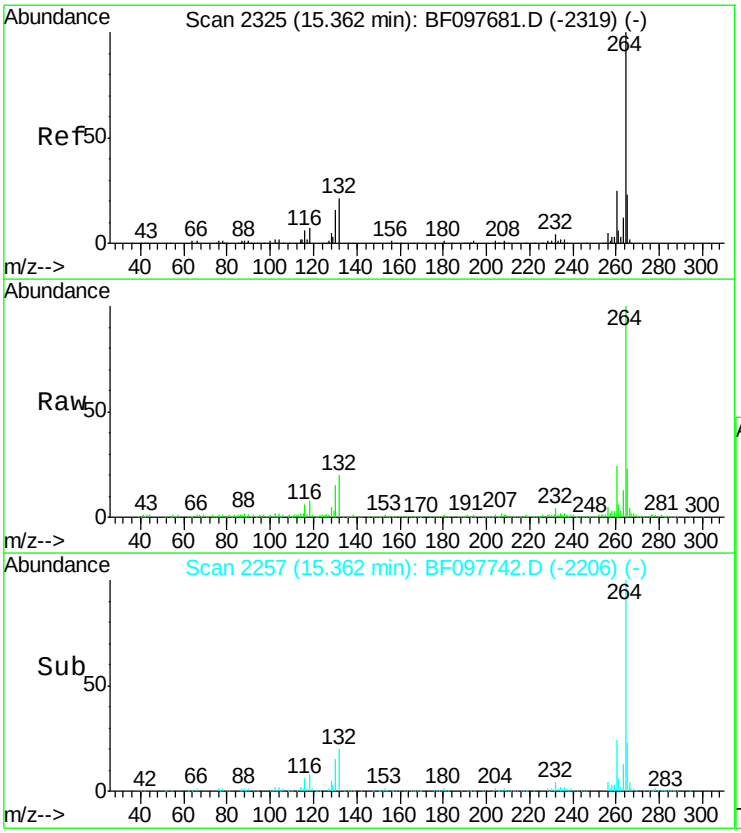

#85
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.16 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:276 Resp: 47412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.2 | 27.8 | 41.6 |
| 277 | 26.3 | 20.2 | 30.4 |

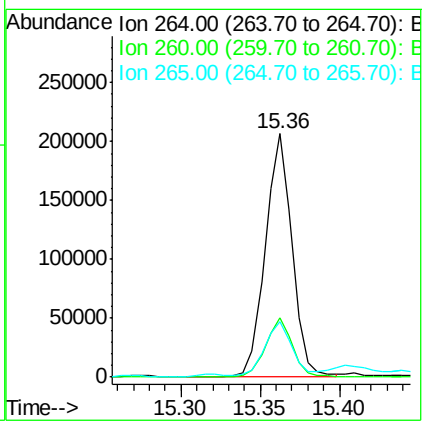


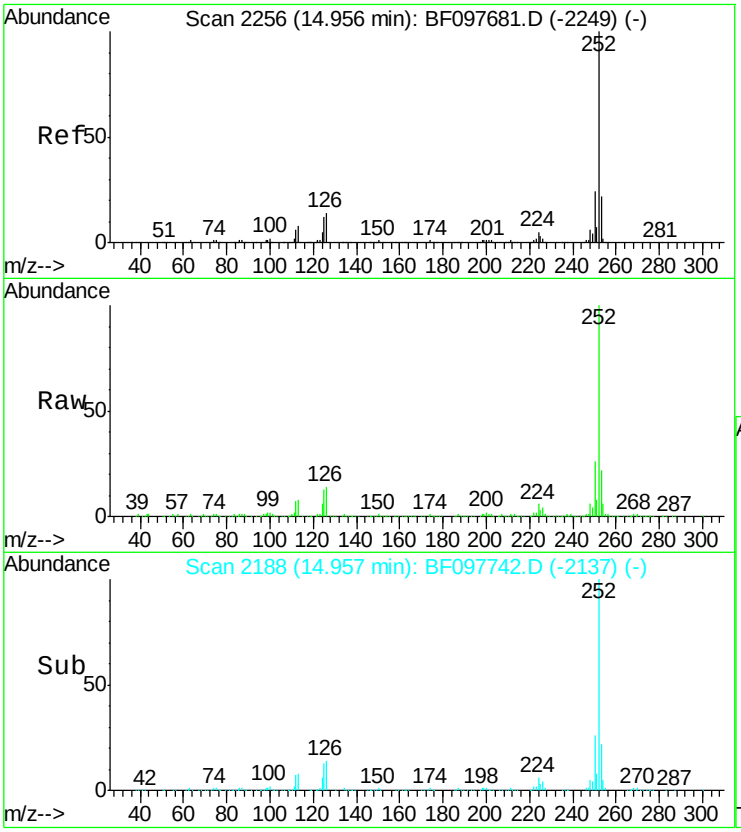




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:264 Resp: 241908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.5 | 29.3 |
| 265 | 22.7 | 17.2 | 25.8 |



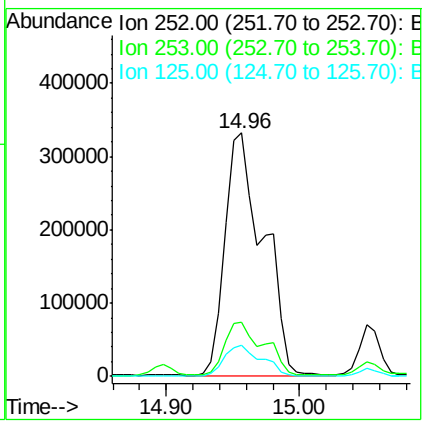


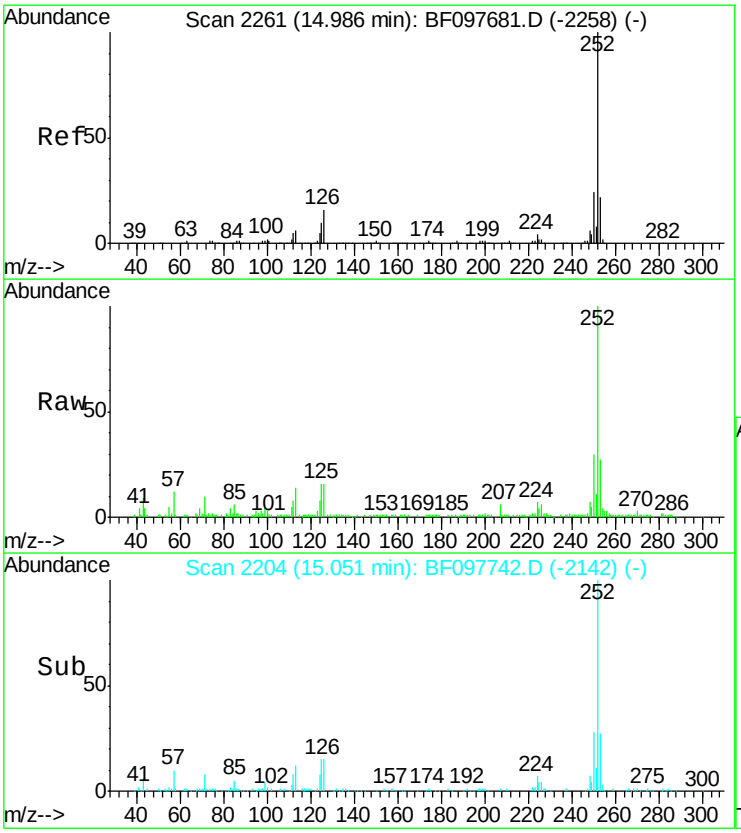

#87
Benzo(b)fluoranthene
Concen: 43.65 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:252 Resp: 665520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 18.1 | 27.1 |
| 125 | 12.7 | 9.8 | 14.8 |

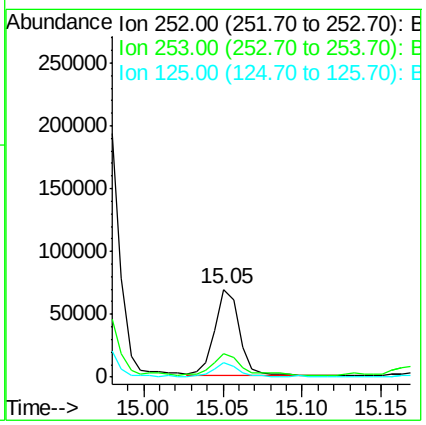


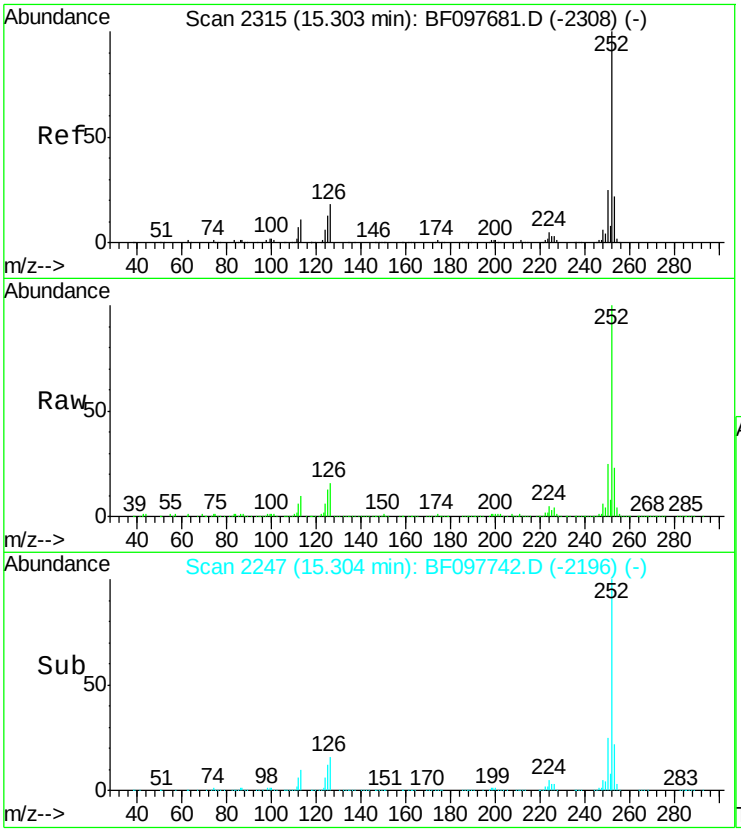




#88
Benzo(k)fluoranthene
Concen: 5.26 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.06 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:252 Resp: 75385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 18.4 | 27.6 |
| 125 | 16.1 | 13.1 | 19.7 |



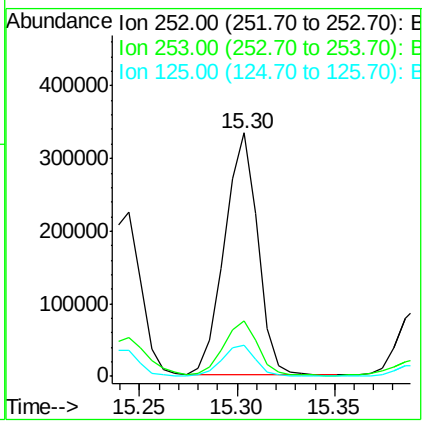


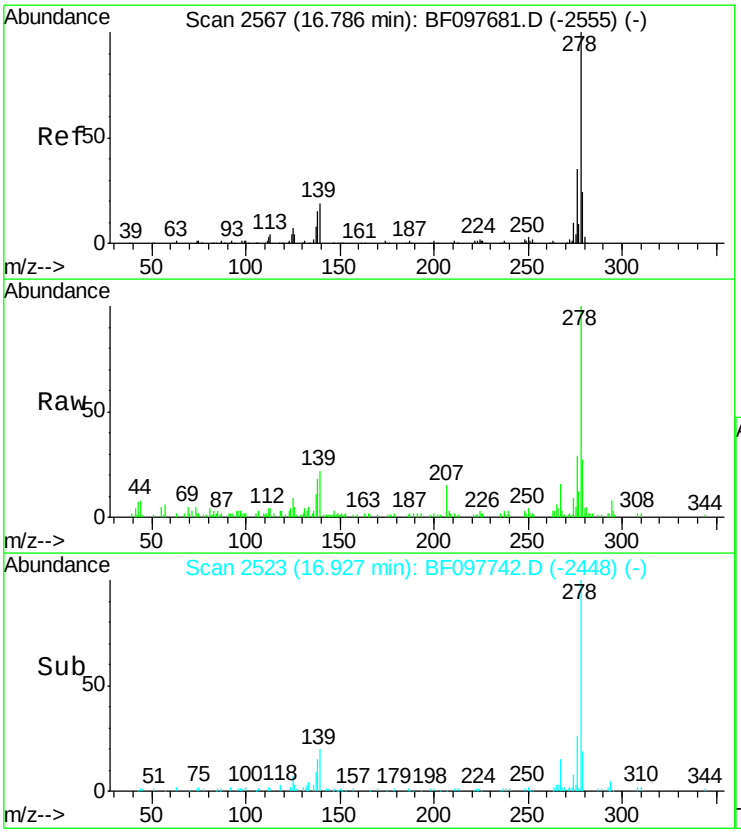

#89
Benzo(a)pyrene
Concen: 29.23 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:252 Resp: 394618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.5 | 26.3 |
| 125 | 12.6 | 11.0 | 16.4 |

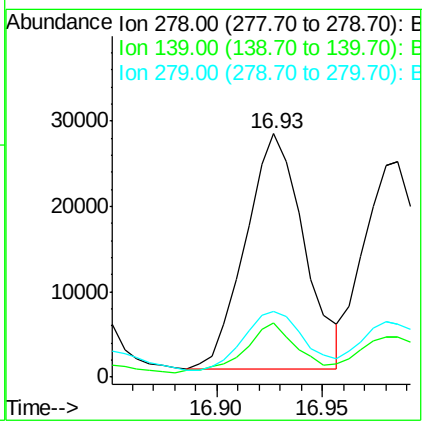


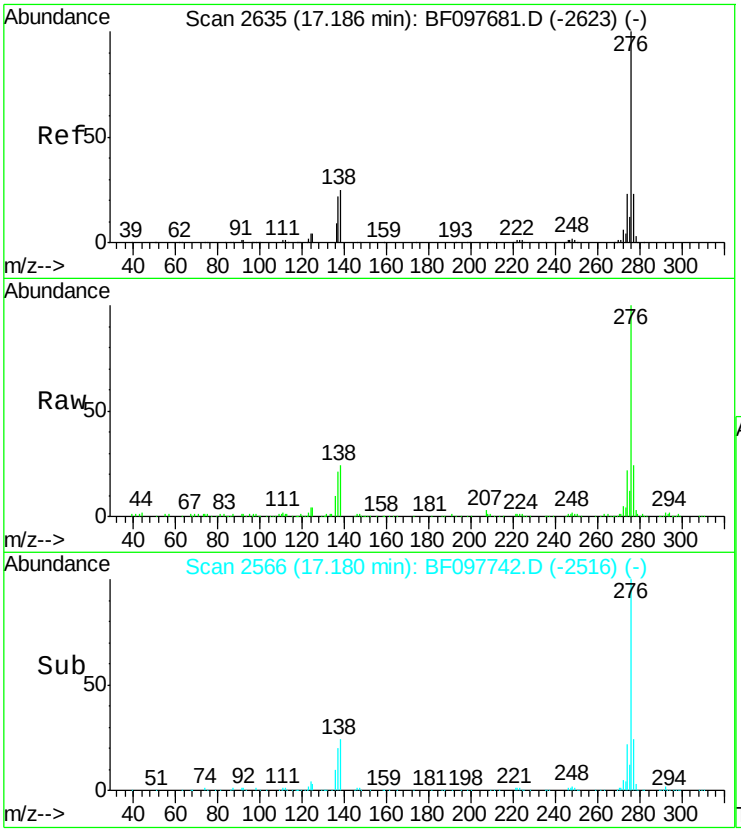




#90
Dibenzo(a,h)anthracene
Concen: 4.85 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.14 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

Tgt Ion:278 Resp: 53296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.1 | 16.6 | 24.8 |
| 279 | 27.1 | 19.3 | 28.9 |






#91
Benzo(g,h,i)perylene
Concen: 22.84 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BF097742.D
Acq: 16 Aug 2017 16:47

**Instrument :**
BNA_F
**ClientSampleId :**
S11-WC-1

Tgt Ion:276 Resp: 261940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 18.6 | 28.0 |
| 138 | 24.2 | 25.4 | 38.0# |