Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101862.D
Acq On : 3 Jan 2018 16:17
Operator : SJ/JU
Sample : J1019-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 04 00:07:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 29 13:21:45 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 94296 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.05 | 136 | 332422 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 131374 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 254758 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.95 | 240 | 275581 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.42 | 264 | 231545 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 62923 | 9.94 | ng | | 0.04 |
| 7) Phenol-d6 | 6.46 | 99 | 69861 | 8.87 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 42684 | 7.15 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 12917 | 10.20 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 73121 | 8.63 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.88 | 244 | 83362 | 7.29 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 70) Phenanthrene | 11.32 | 178 | 253058 | 17.862 | ng | | 98 |
| 71) Anthracene | 11.38 | 178 | 58813 | 4.064 | ng | | 96 |
| 74) Fluoranthene | 12.52 | 202 | 408248 | 27.453 | ng | | 100 |
| 77) Pyrene | 12.76 | 202 | 487275 | 23.560 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.94 | 228 | 239643 | 13.169 | ng | | 98 |
| 82) Chrysene | 13.98 | 228 | 223171 | 12.989 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 43263 | 3.650 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 70603 | 4.615 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 268878 | 19.052 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 268878 | 19.595 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.36 | 252 | 153741 | 11.817 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.89 | 278 | 24220 | 2.168 | ng | # | 78 |
| 91) Benzo(g,h,i)perylene | 17.36 | 276 | 66506 | 6.013 | ng | # | 93 |

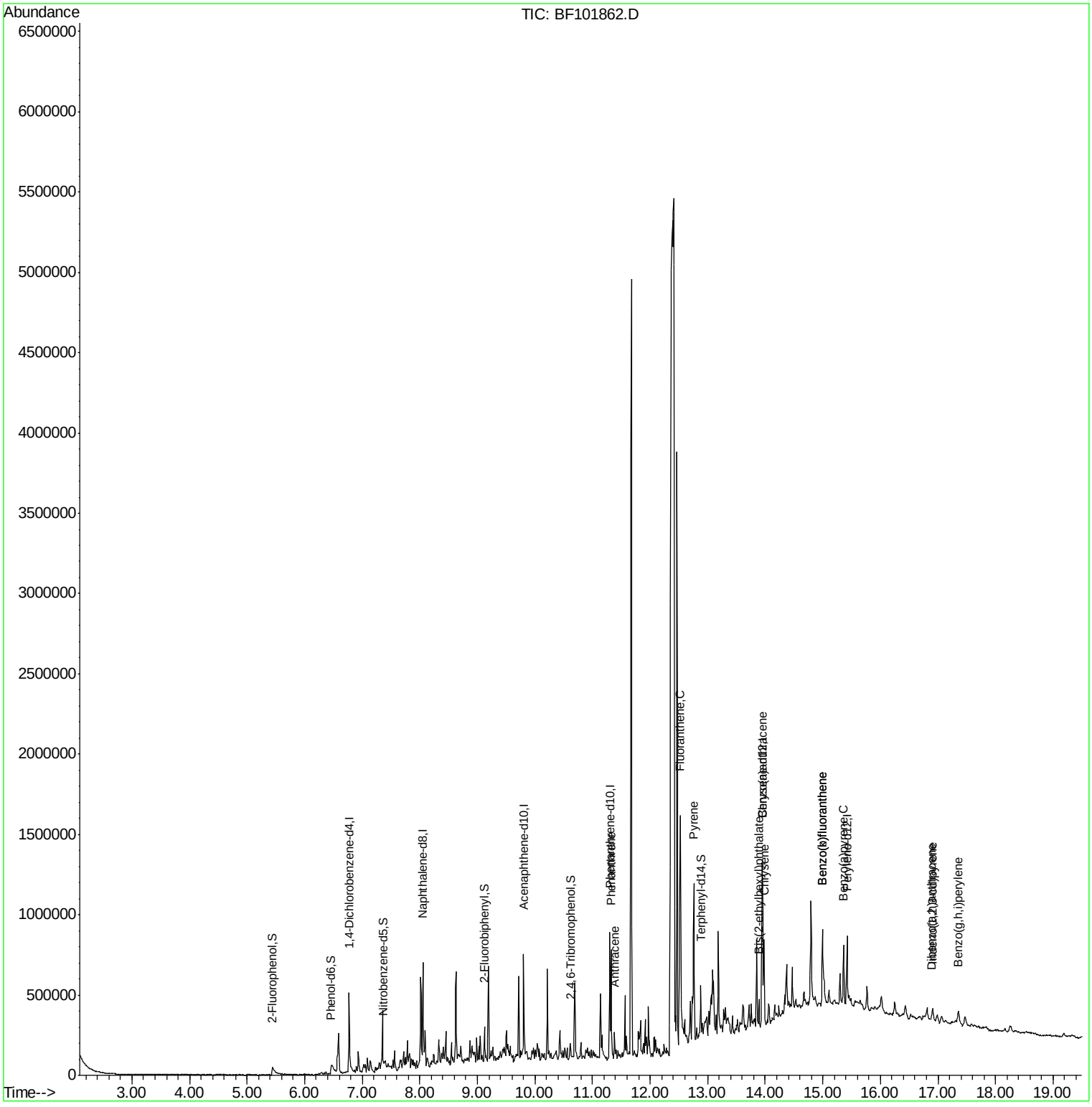
(#) = qualifier out of range (m) = manual integration (+) = signals summed

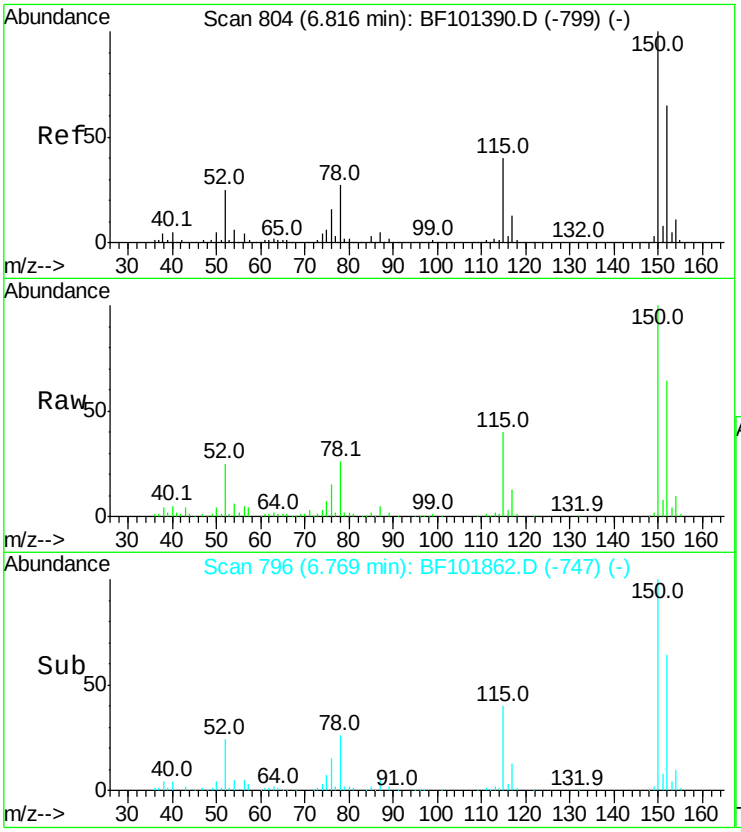
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101862.D
Acq On : 3 Jan 2018 16:17
Operator : SJ/JU
Sample : J1019-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 04 00:07:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 29 13:21:45 2017
Response via : Initial Calibration



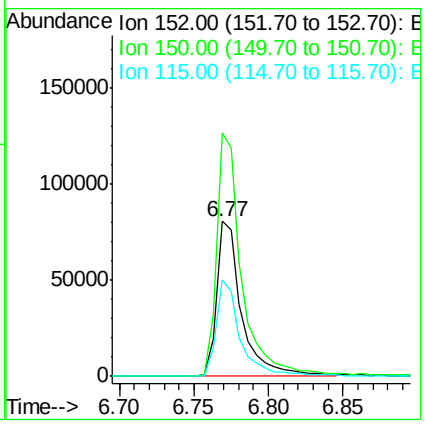


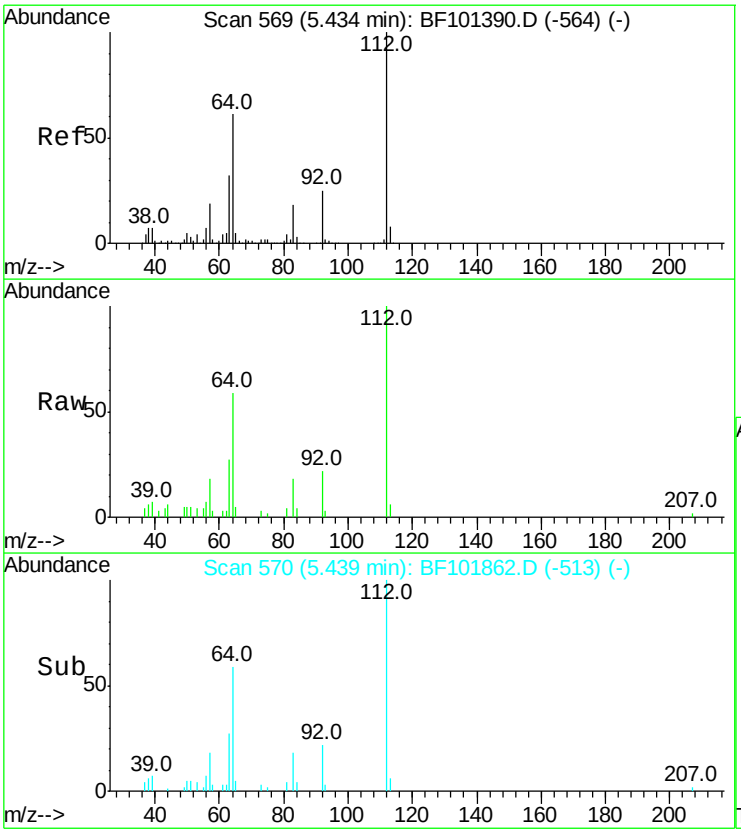

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:152 Resp: 94296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 124.6 | 186.8 |
| 115 | 62.3 | 50.1 | 75.1 |

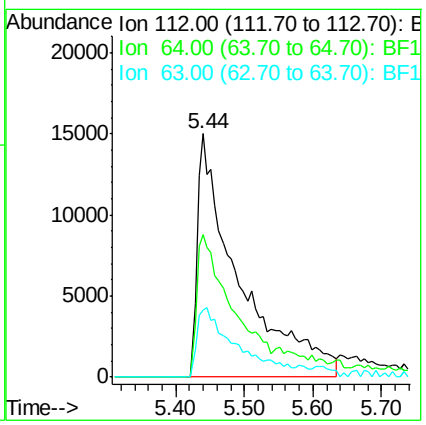


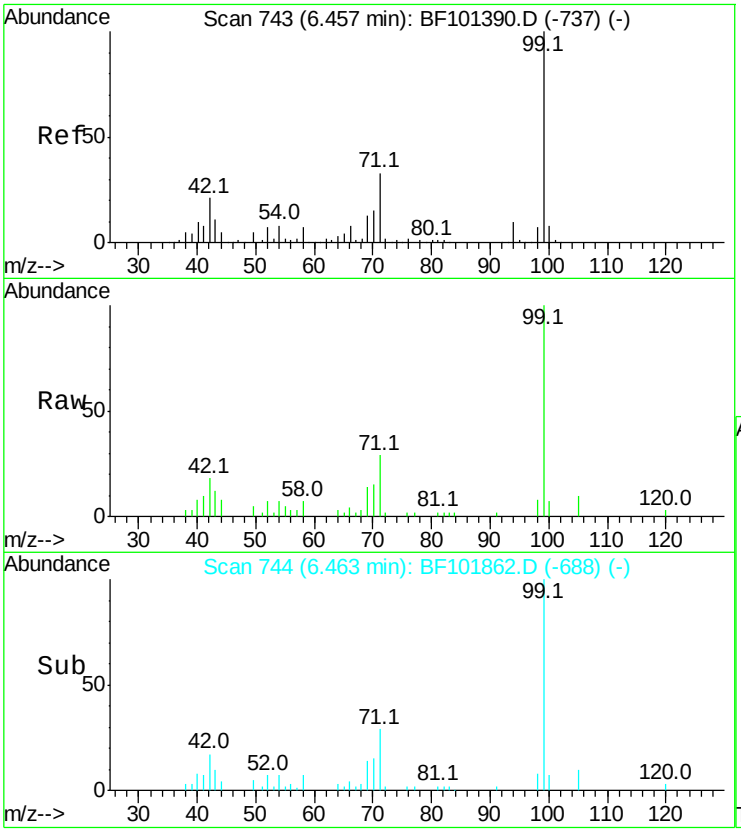




#5
2-Fluorophenol
Concen: 9.940 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.04 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:112 Resp: 62923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 47.9 | 71.9 |
| 63 | 27.4 | 23.7 | 35.5 |

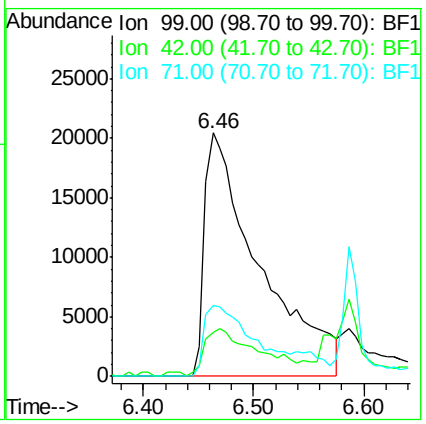




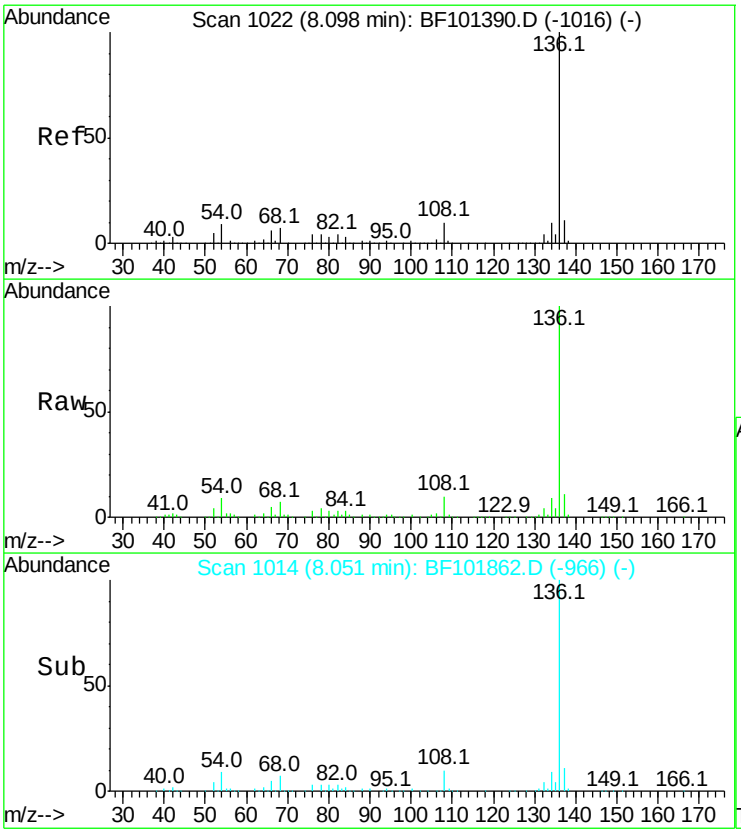

#7
Phenol-d6
Concen: 8.867 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.03 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion: 99 Resp: 69861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 14.5 | 21.7 |
| 71 | 28.9 | 25.4 | 38.0 |



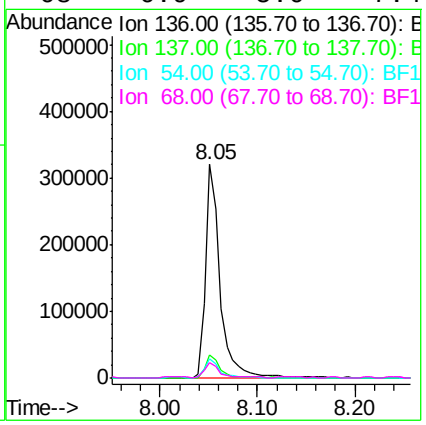

**Instrument :**
BNA_F
**ClientSampleId :**

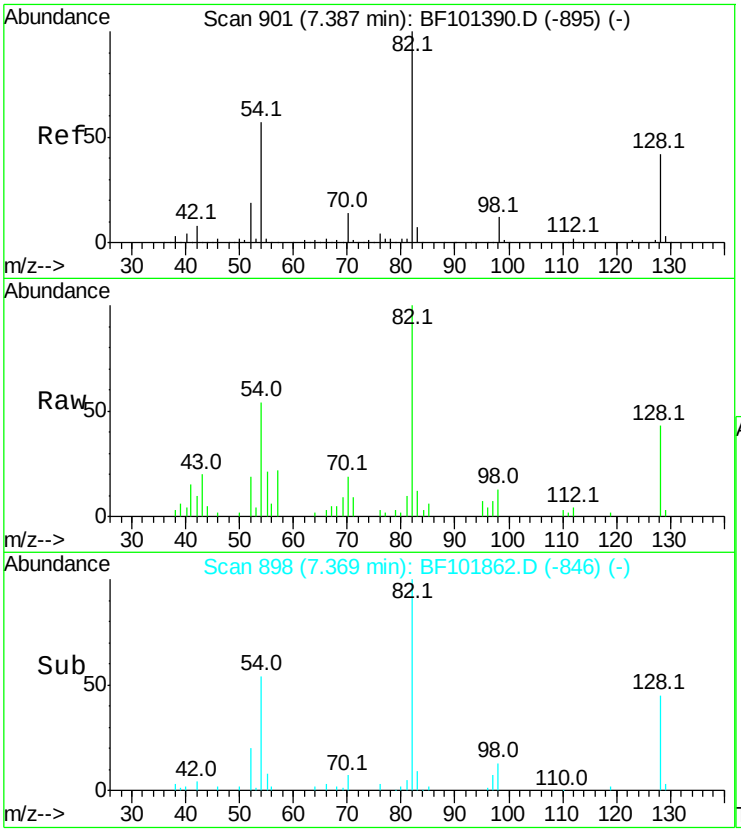



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:136 Resp: 332422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 9.0 | 6.6 | 9.8 |
| 68 | 6.9 | 5.0 | 7.4 |



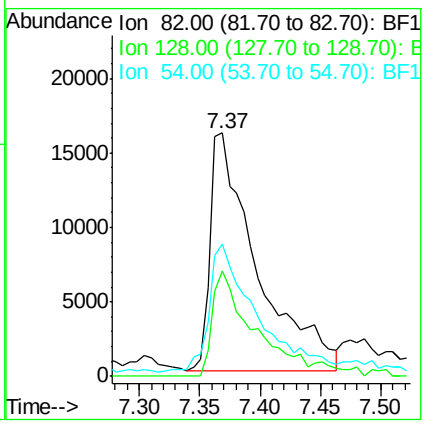


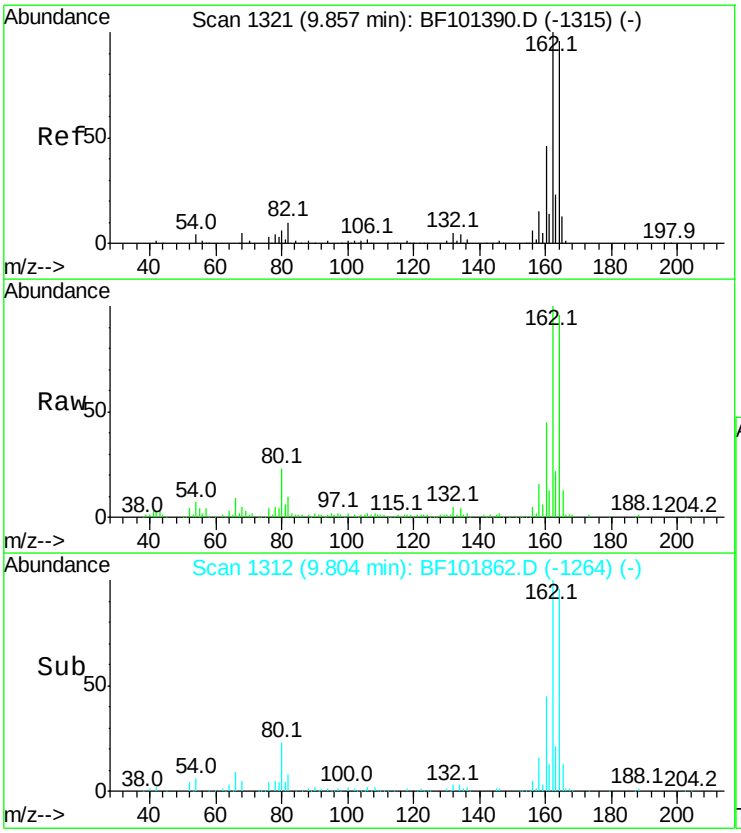

#23
Nitrobenzene-d5
Concen: 7.148 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion: 82 Resp: 42684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 36.1 | 54.1 |
| 54 | 54.3 | 41.4 | 62.2 |

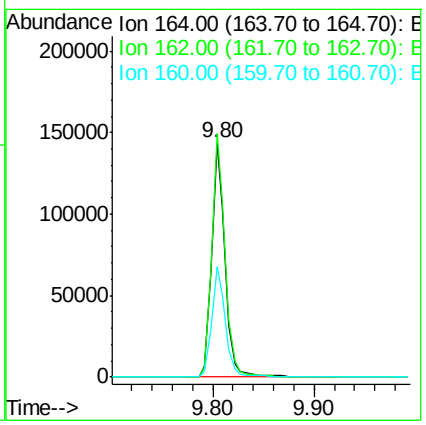


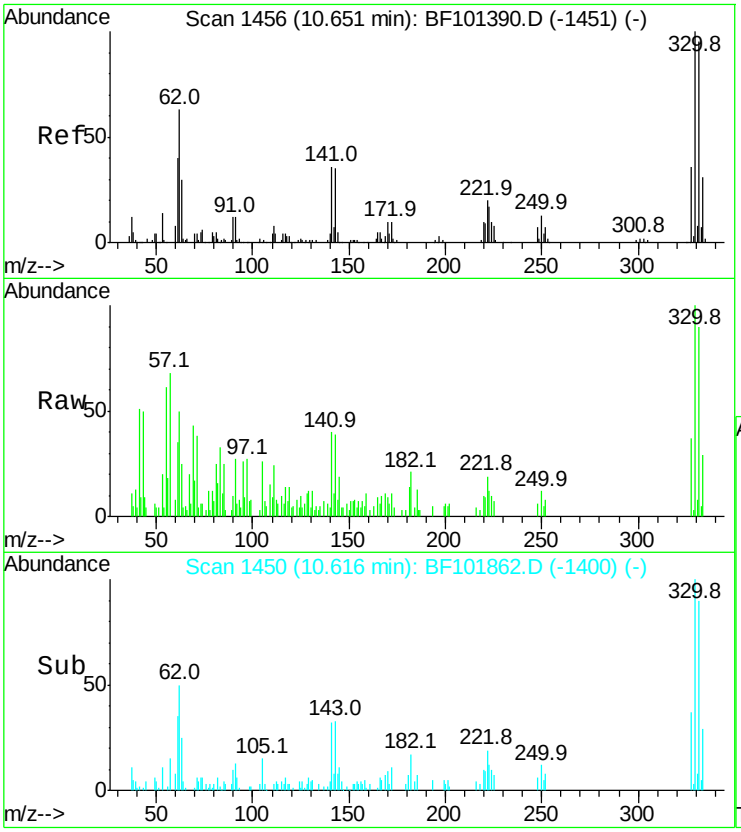




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:164 Resp: 131374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.2 | 86.1 | 129.1 |
| 160 | 47.1 | 38.3 | 57.5 |



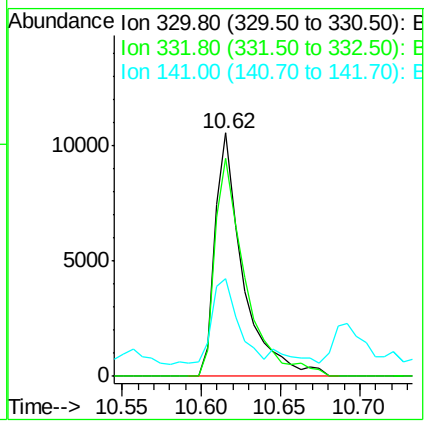


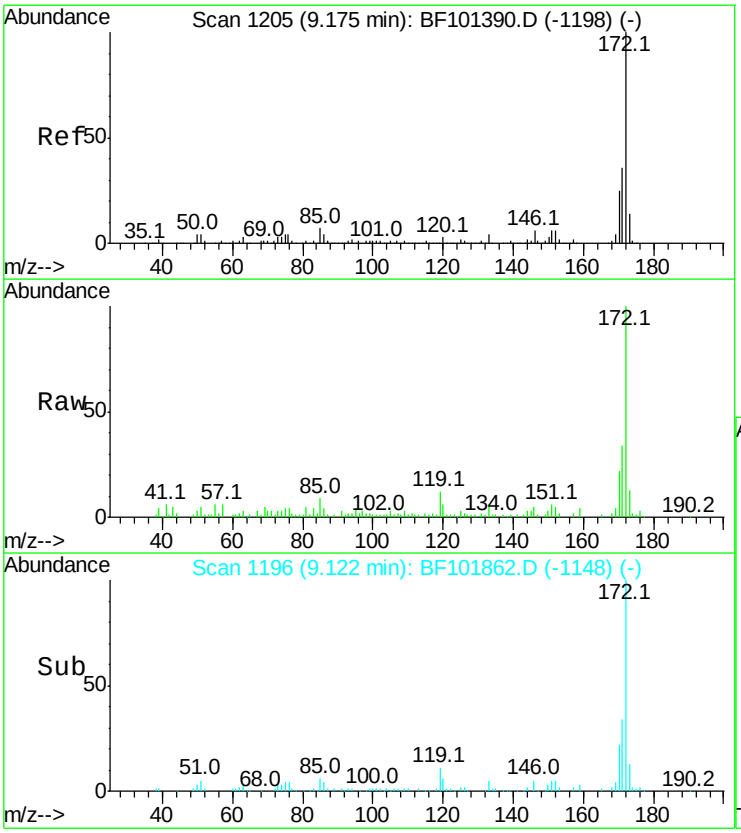

#41
2,4,6-Tribromophenol
Concen: 10.204 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:330 Resp: 12917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 77.0 | 115.6 |
| 141 | 33.1 | 29.9 | 44.9 |

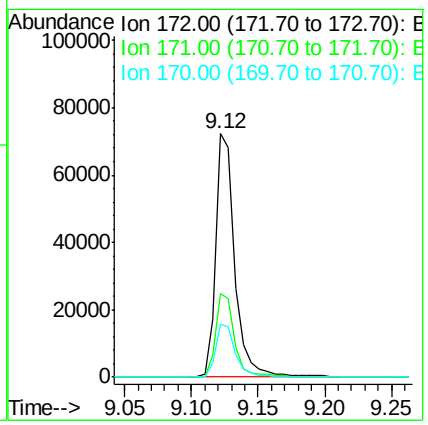


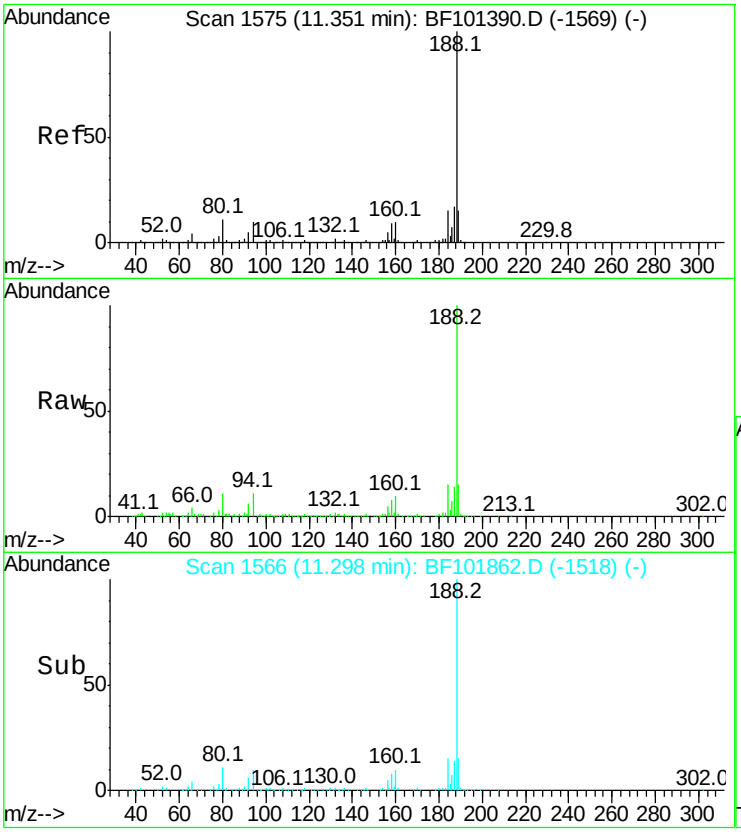




#44
2-Fluorobiphenyl
Concen: 8.634 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:172 Resp: 73121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.4 | 29.7 | 44.5 |
| 170 | 21.7 | 19.6 | 29.4 |



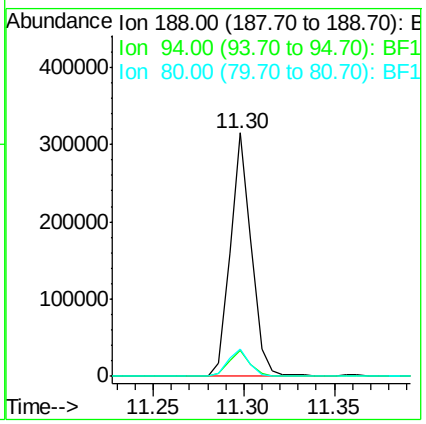


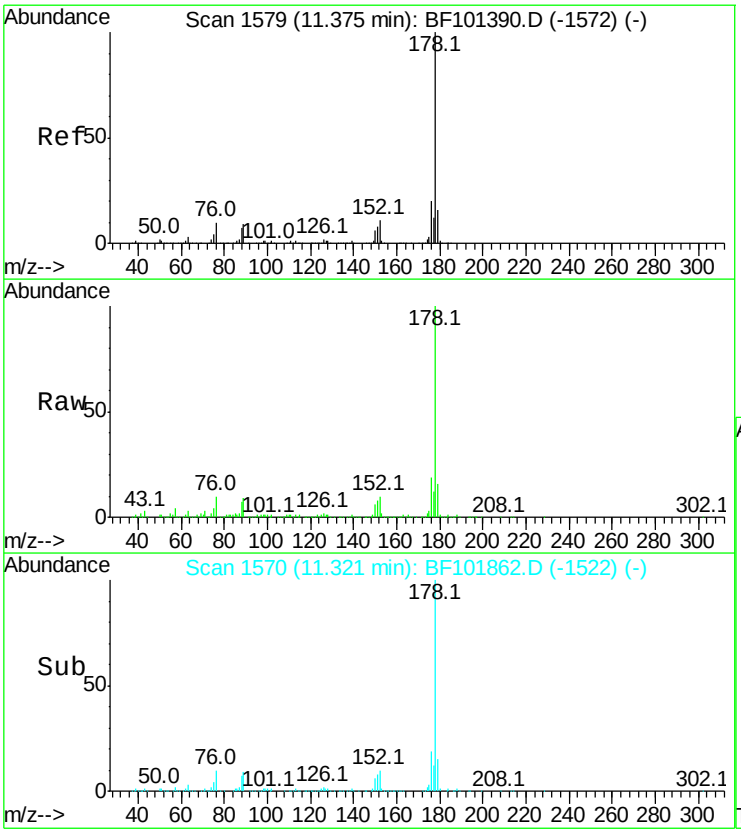

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:188 Resp: 254758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.5 | 12.7 |
| 80 | 11.4 | 9.2 | 13.8 |

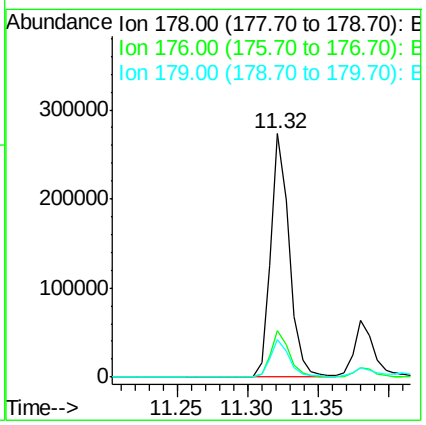


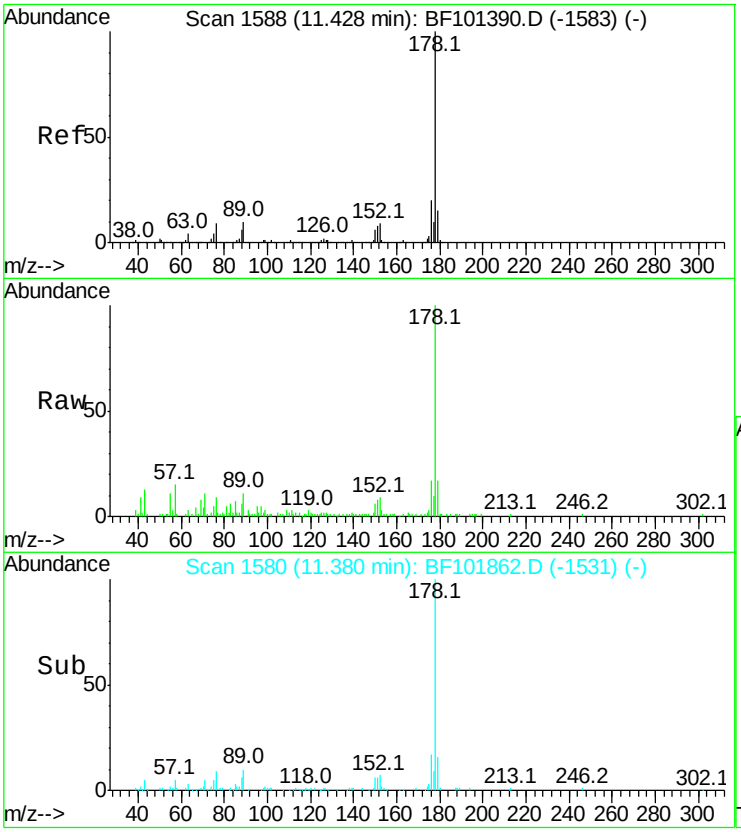




#70
Phenanthrene
Concen: 17.862 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:178 Resp: 253058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.8 | 23.8 |
| 179 | 15.6 | 13.0 | 19.6 |



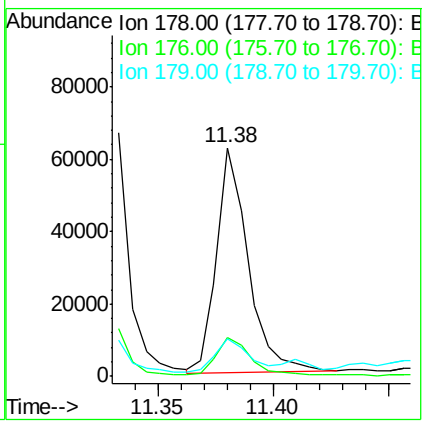


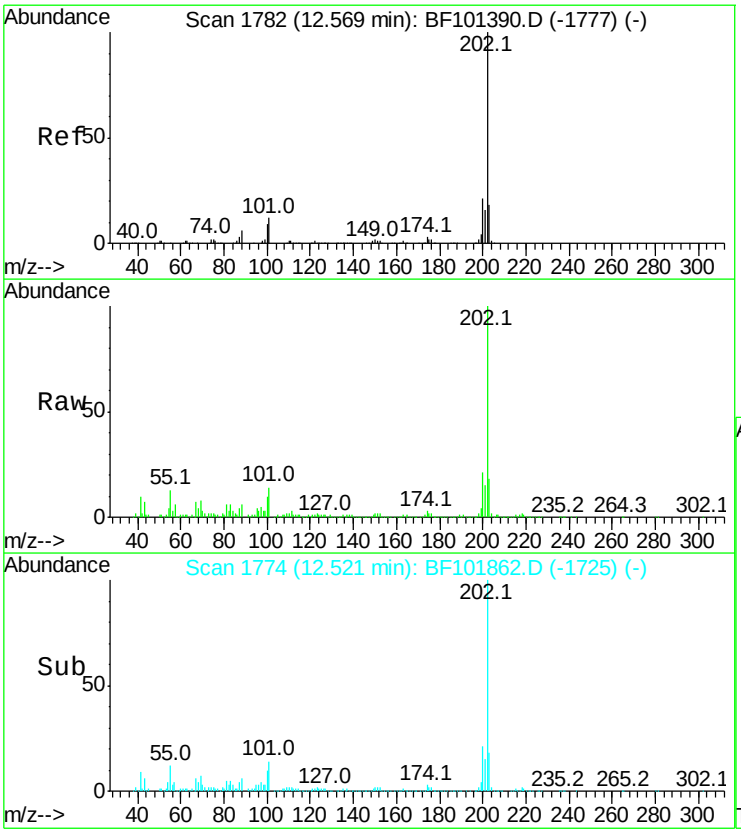

#71
Anthracene
Concen: 4.064 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:178 Resp: 58813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.1 | 15.4 | 23.2 |
| 179 | 16.6 | 12.6 | 19.0 |

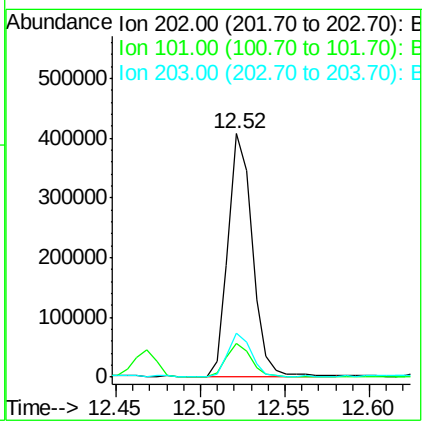


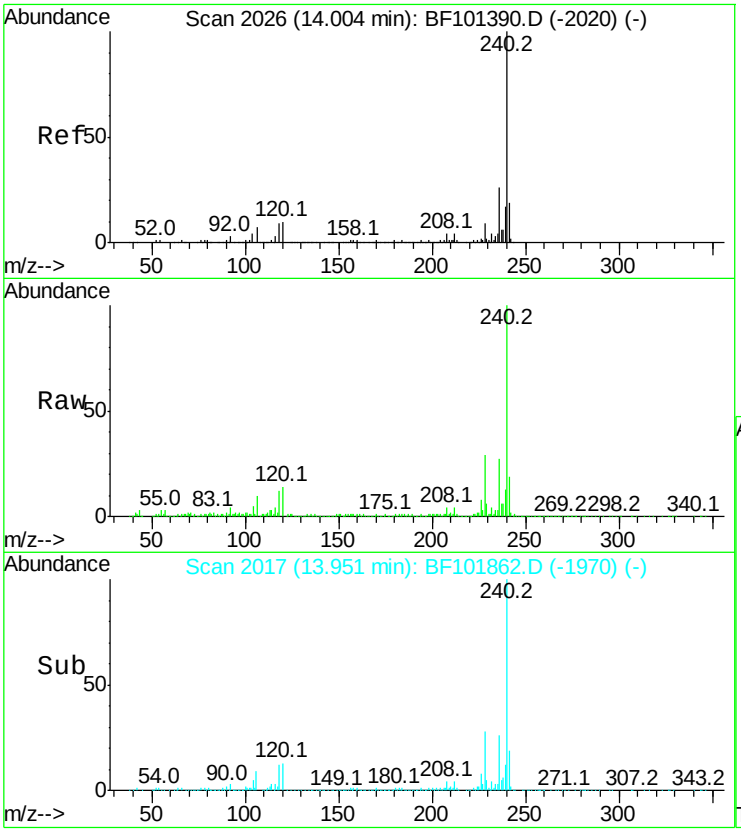




#74
Fluoranthene
Concen: 27.453 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:202 Resp: 408248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 0.0 | 34.1 |
| 203 | 18.1 | 0.0 | 38.1 |



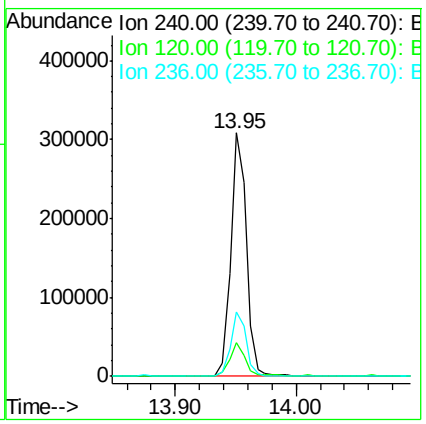


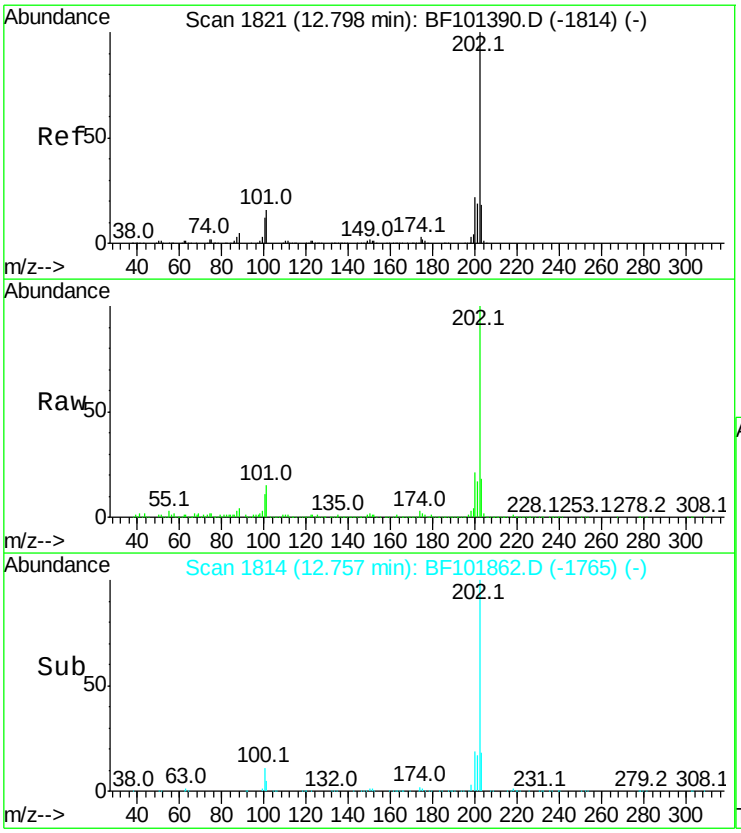

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:240 Resp: 275581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.6 | 9.5 | 14.3 |
| 236 | 26.6 | 20.7 | 31.1 |

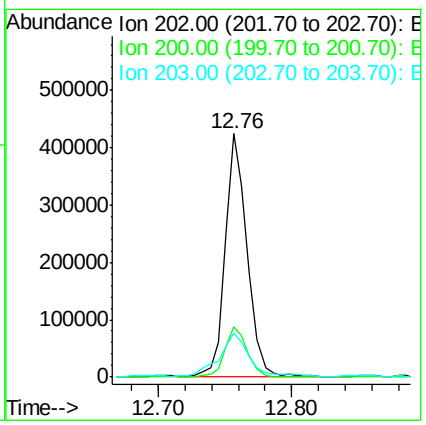


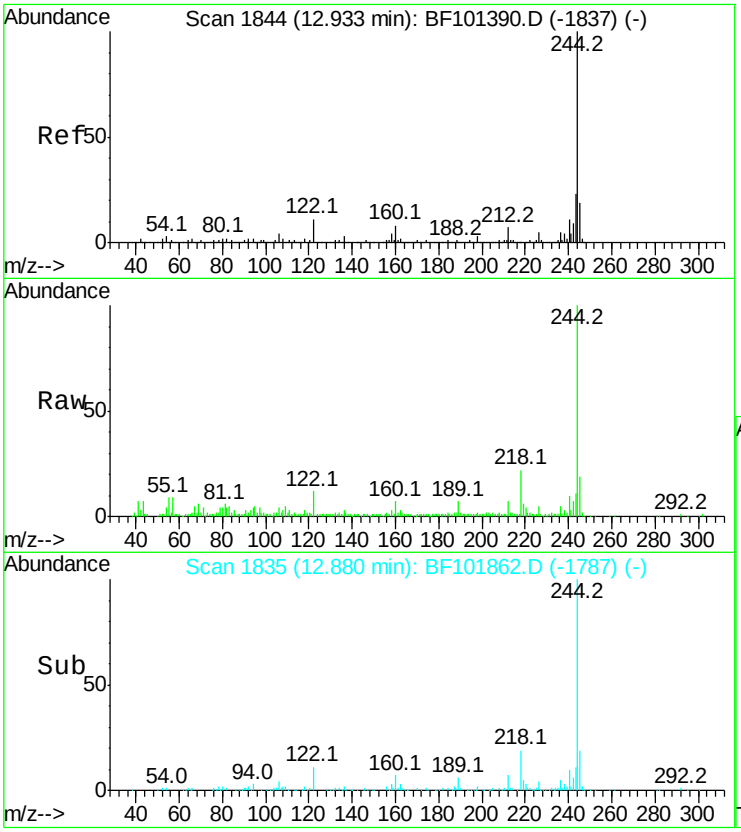




#77
Pyrene
Concen: 23.560 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:202 Resp: 487275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.4 | 26.2 |
| 203 | 17.8 | 14.3 | 21.5 |



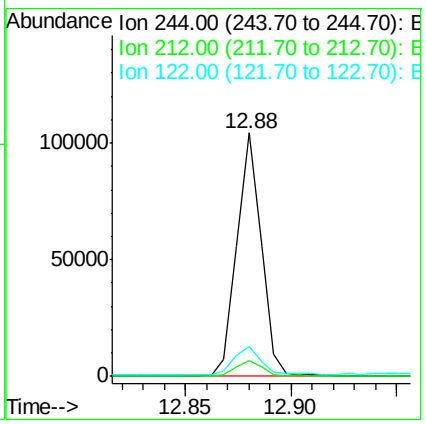


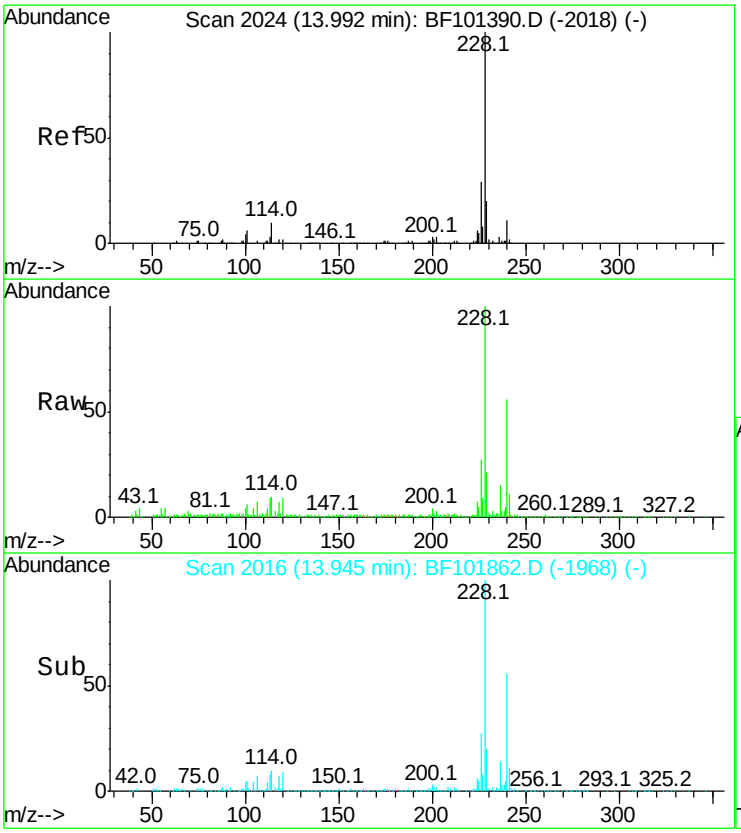

#78
Terphenyl-d14
Concen: 7.292 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:244 Resp: 83362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 12.1 | 11.0 | 16.4 |

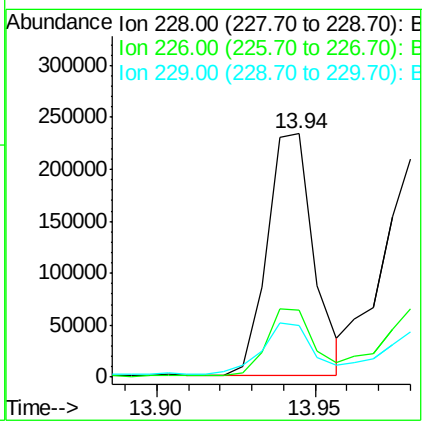


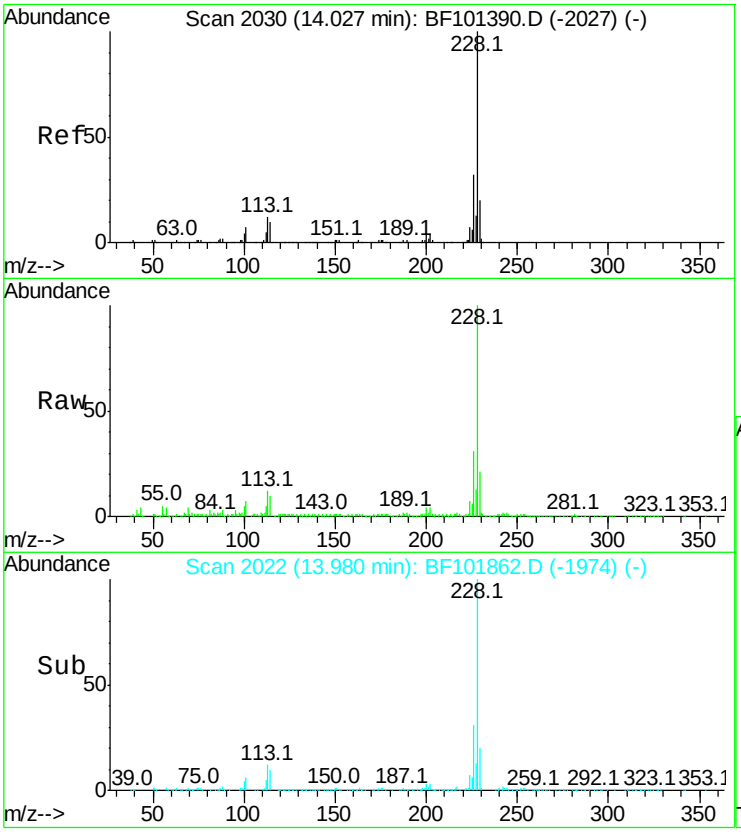




#80
Benzo(a)anthracene
Concen: 13.169 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:228 Resp: 239643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 22.6 | 33.8 |
| 229 | 21.0 | 15.8 | 23.6 |



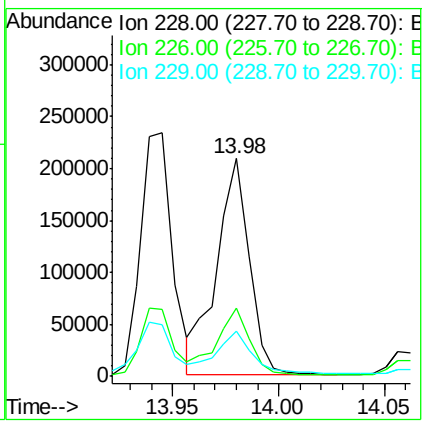


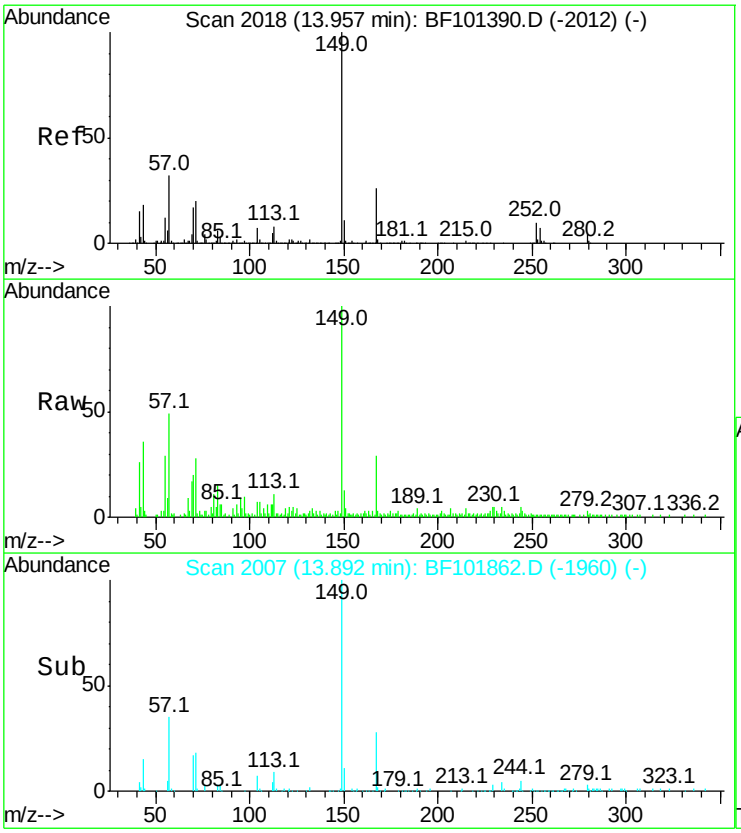

#82
Chrysene
Concen: 12.989 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:228 Resp: 223171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 25.0 | 37.6 |
| 229 | 21.0 | 16.2 | 24.4 |

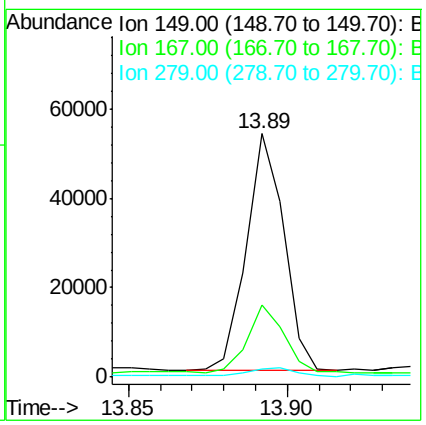


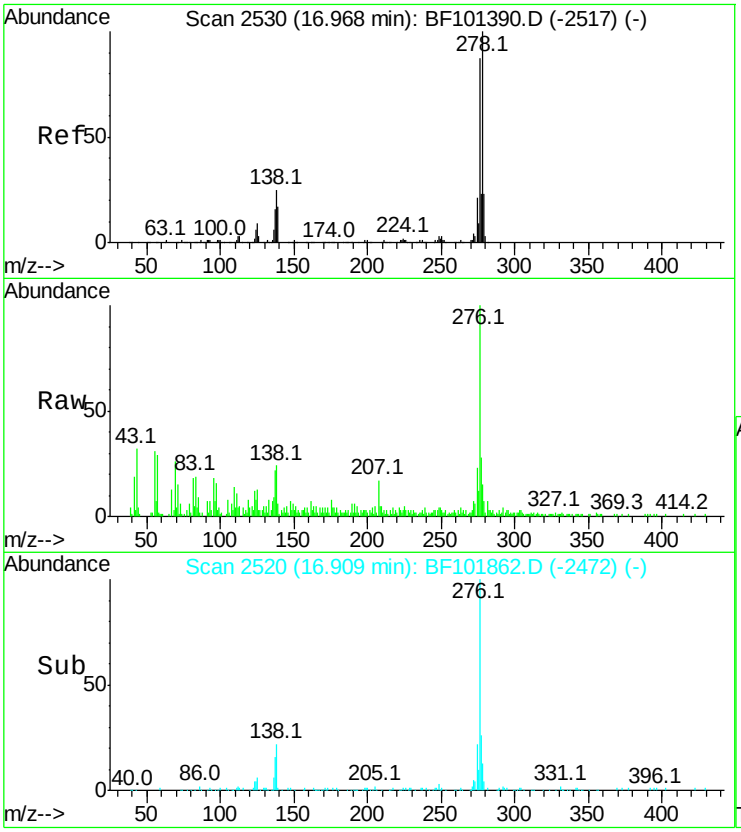




#83
Bis(2-ethylhexyl)phthalate
Concen: 3.650 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:149 Resp: 43263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.4 | 21.3 | 31.9 |
| 279 | 3.4 | 3.0 | 4.4 |



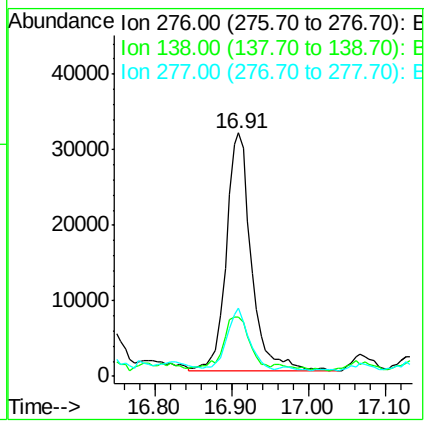


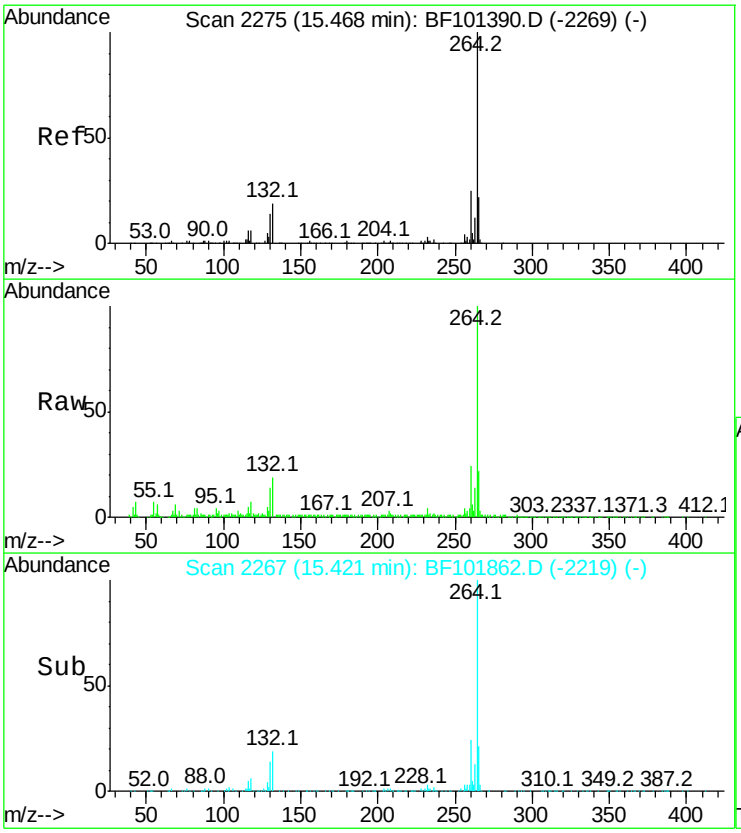

#85
Indeno(1,2,3-cd)pyrene
Concen: 4.615 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:276 Resp: 70603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.2 | 25.0 | 37.6# |
| 277 | 23.0 | 20.1 | 30.1 |

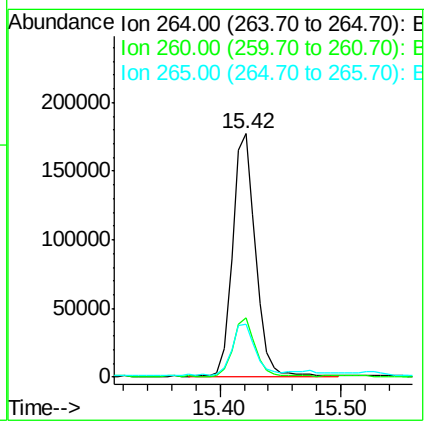


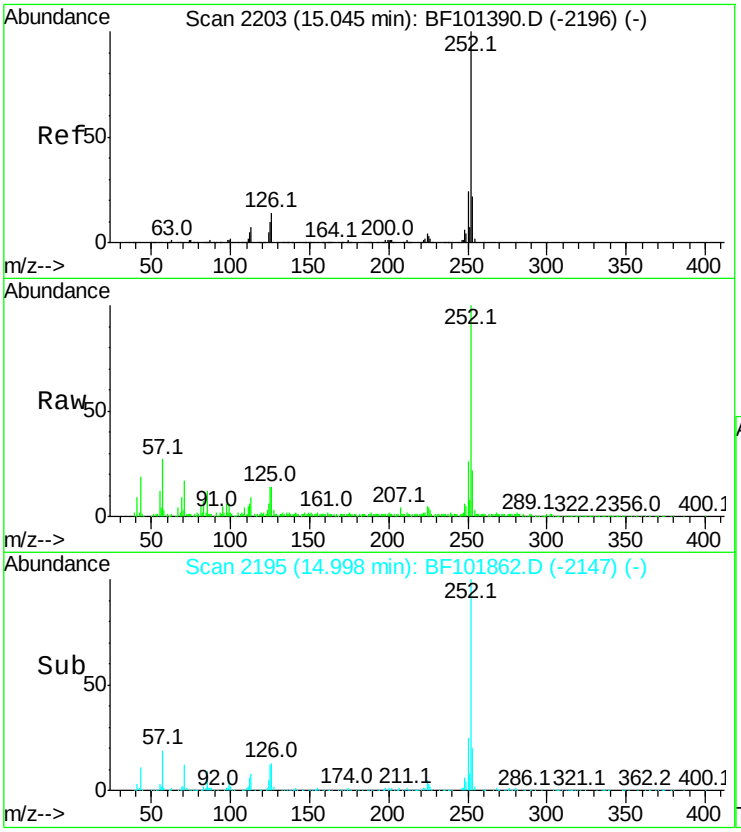




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:264 Resp: 231545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.2 | 28.8 |
| 265 | 21.8 | 17.5 | 26.3 |



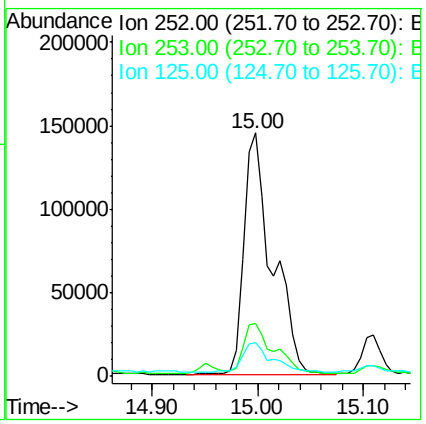


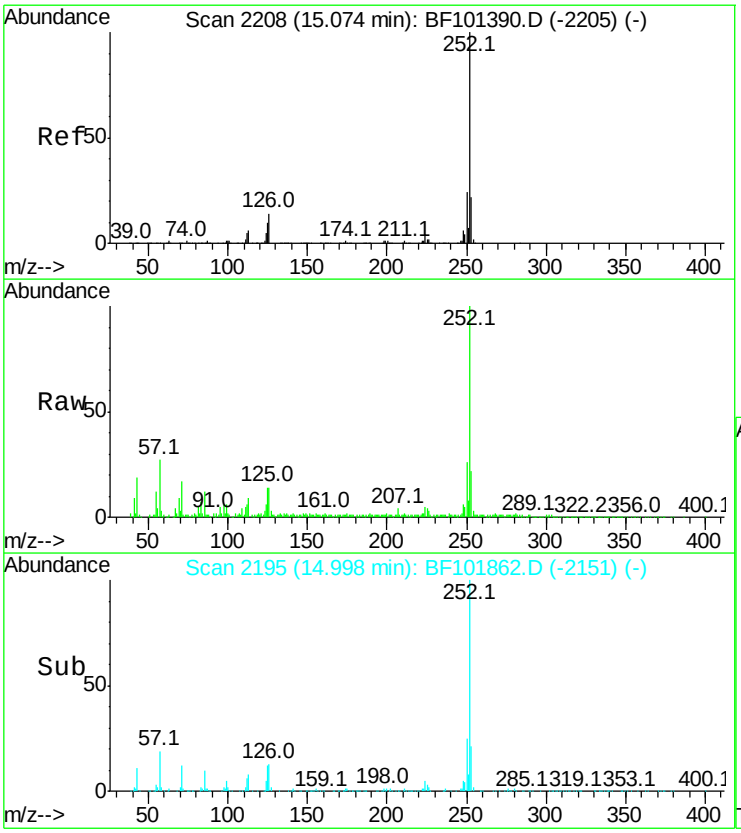

#87
Benzo(b)fluoranthene
Concen: 19.052 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:252 Resp: 268878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.0 | 25.6 |
| 125 | 13.7 | 9.0 | 13.6# |

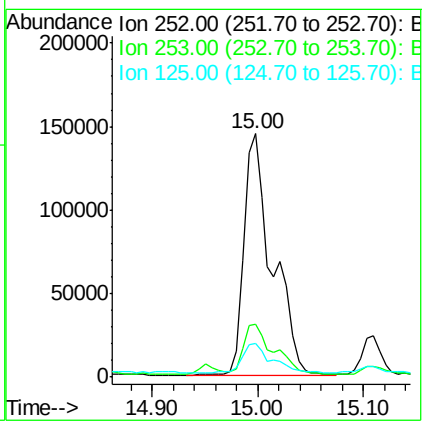


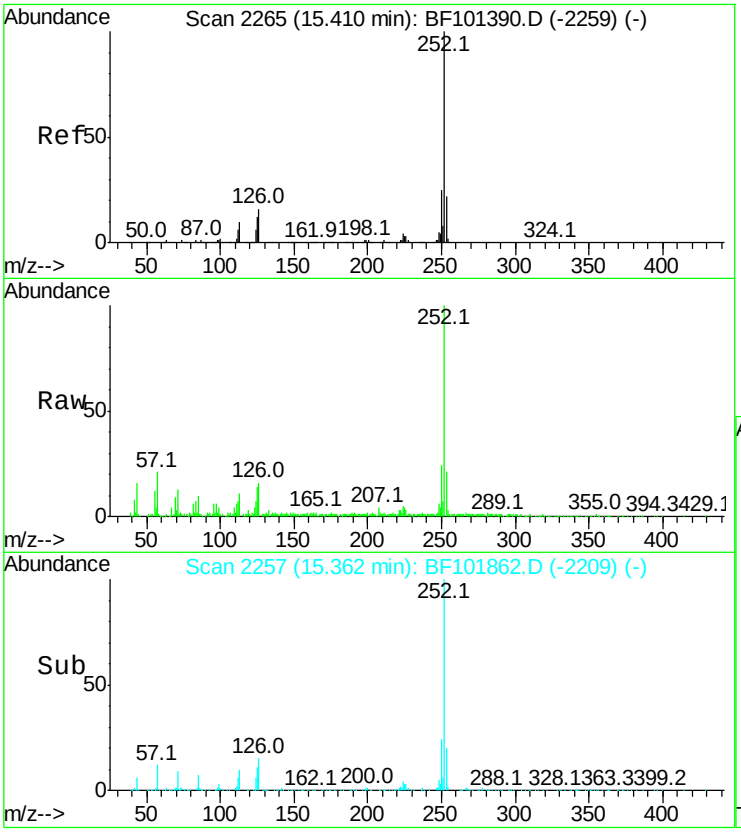




#88
Benzo(k)fluoranthene
Concen: 19.595 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:252 Resp: 268878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.9 | 26.9 |
| 125 | 13.7 | 10.2 | 15.2 |



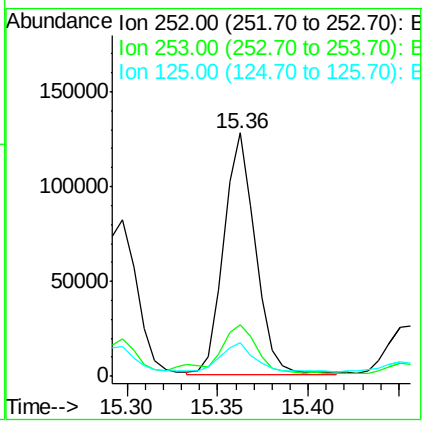


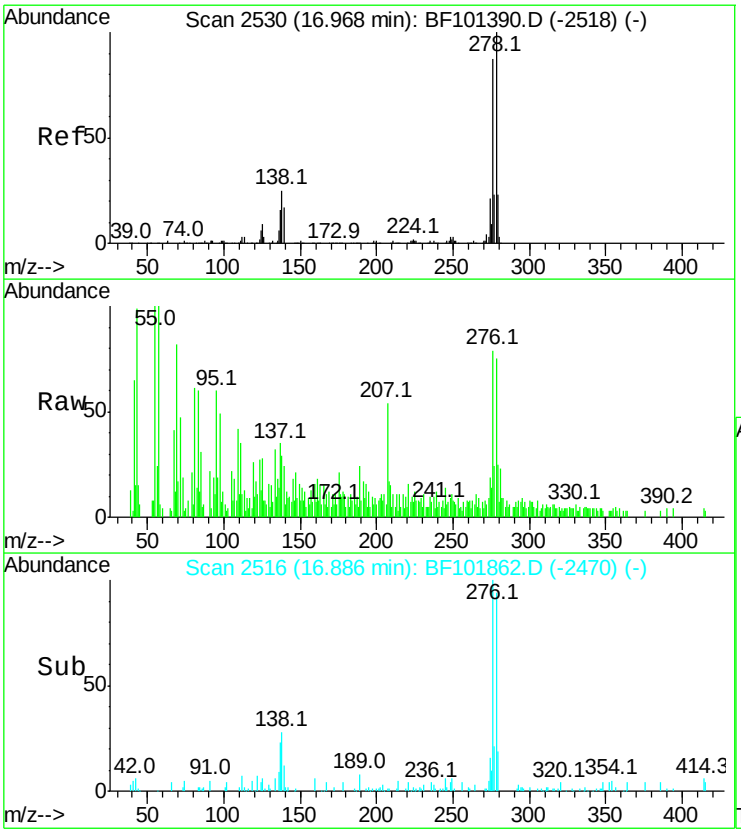

#89
Benzo(a)pyrene
Concen: 11.817 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:252 Resp: 153741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.1 | 25.7 |
| 125 | 13.8 | 9.8 | 14.6 |

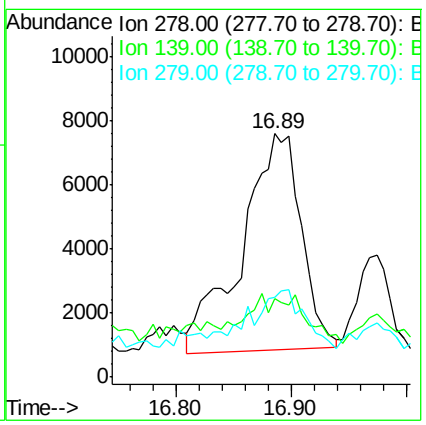


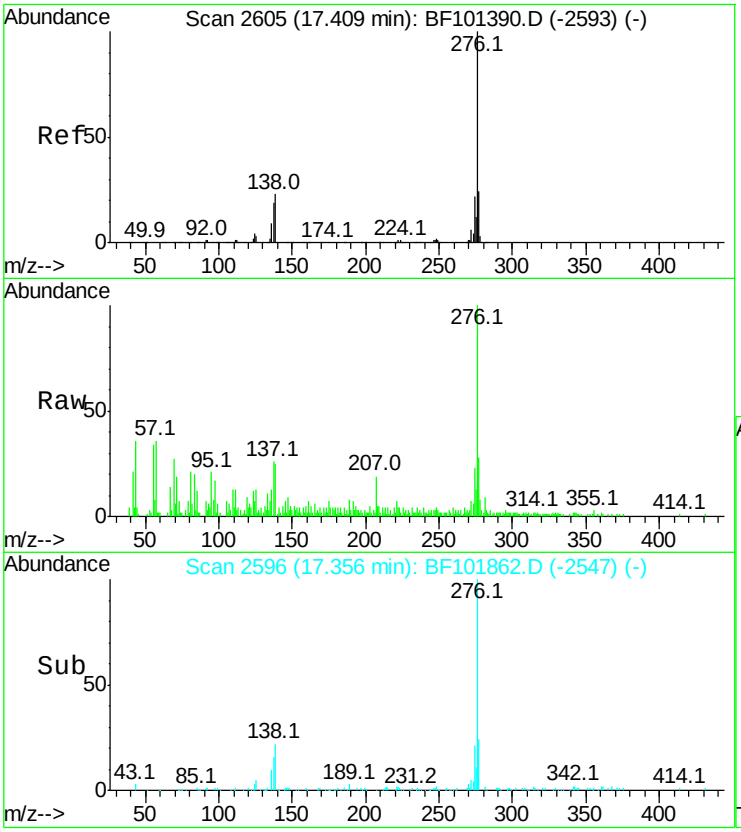




#90
Dibenzo(a,h)anthracene
Concen: 2.168 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.03 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion:278 Resp: 24220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 32.1 | 15.9 | 23.9# |
| 279 | 33.0 | 19.0 | 28.4# |






#91
Benzo(g,h,i)perylene
Concen: 6.013 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

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

Tgt Ion:276 Resp: 66506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.6 | 17.9 | 26.9# |
| 138 | 25.3 | 21.8 | 32.8 |