Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF010518\
Data File : BF101928.D
Acq On : 5 Jan 2018 14:34
Operator : SJ/JU
Sample : J1004-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-12-COMP

Quant Time: Jan 05 15:05:02 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 | 133124 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.06 | 136 | 524107 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 209554 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 326624 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.96 | 240 | 259871 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.43 | 264 | 219497 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 955633 | 106.93 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 1144949 | 102.94 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 706881 | 75.08 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 153634 | 76.09 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 755408 | 55.92 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.88 | 244 | 503603 | 46.72 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.44 | 94 | 52342 | 4.129 | ng | # | 42 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 95022 | 13.009 | ng | # | 83 |
| 25) Isophorone | 7.35 | 82 | 706881 | 37.426 | ng | # | 64 |
| 31) Naphthalene | 8.08 | 128 | 65574 | 2.485 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 146 | 7.985 | ng | # | 1 |
| 49) Dimethylphthalate | 9.53 | 163 | 85048 | 5.046 | ng | | 98 |
| 51) Acenaphthene | 9.84 | 154 | 34571 | 2.562 | ng | | 97 |
| 57) Fluorene | 10.36 | 166 | 48469 | 3.341 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.61 | 248 | 10248 | 2.792 | ng | # | 1 |
| 70) Phenanthrene | 11.33 | 178 | 431542 | 23.758 | ng | | 99 |
| 71) Anthracene | 11.33 | 178 | 431542 | 23.259 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 405024 | 21.244 | ng | | 97 |
| 77) Pyrene | 12.76 | 202 | 371891 | 19.068 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 196504 | 11.451 | ng | | 97 |
| 82) Chrysene | 13.99 | 228 | 183605 | 11.332 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.93 | 276 | 64457 | 4.468 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 266754 | 19.938 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.01 | 252 | 266754 | 20.507 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.37 | 252 | 135779 | 11.009 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.39 | 276 | 59612 | 5.685 | ng | | 96 |

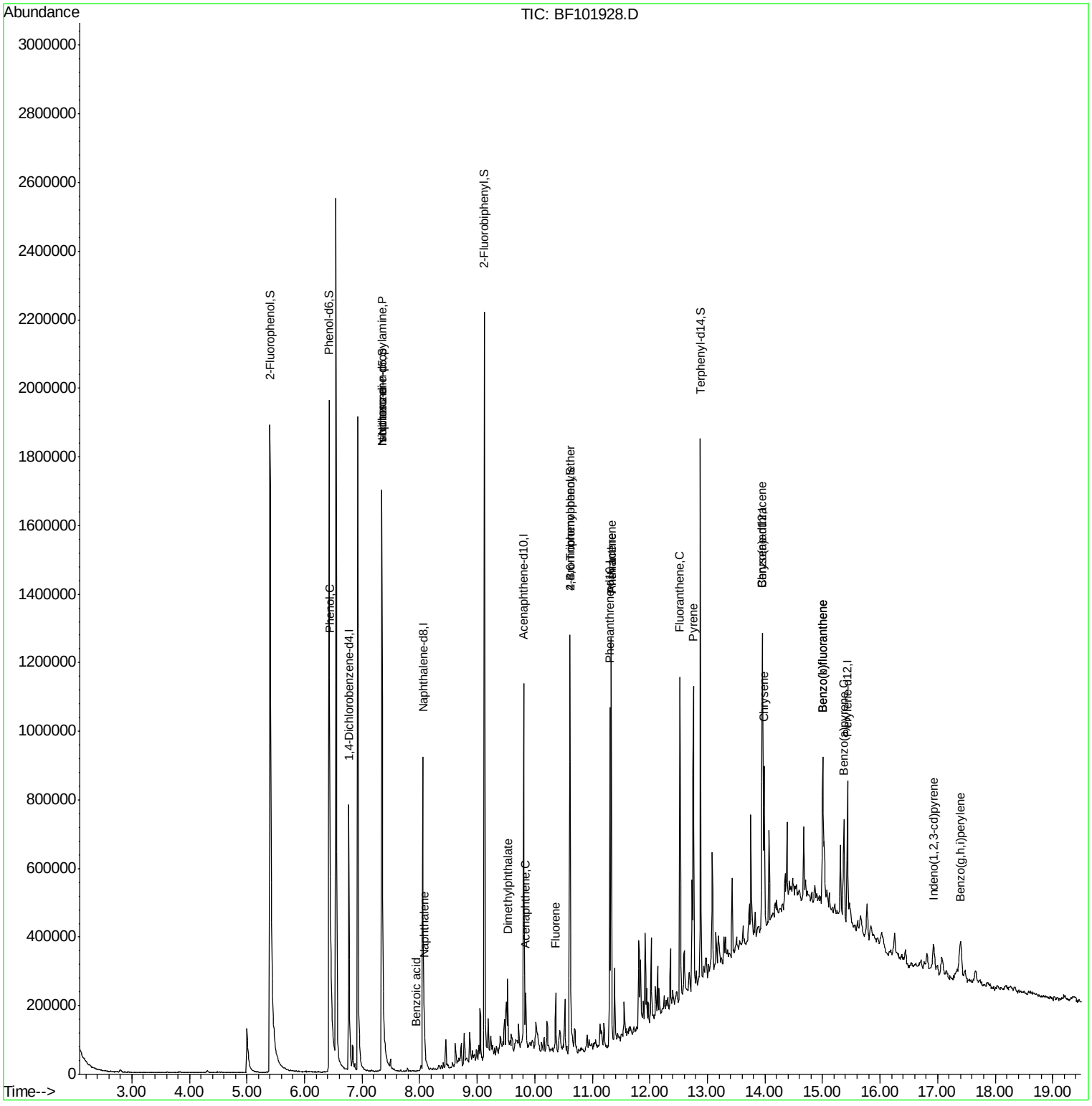
(#) = qualifier out of range (m) = manual integration (+) = signals summed

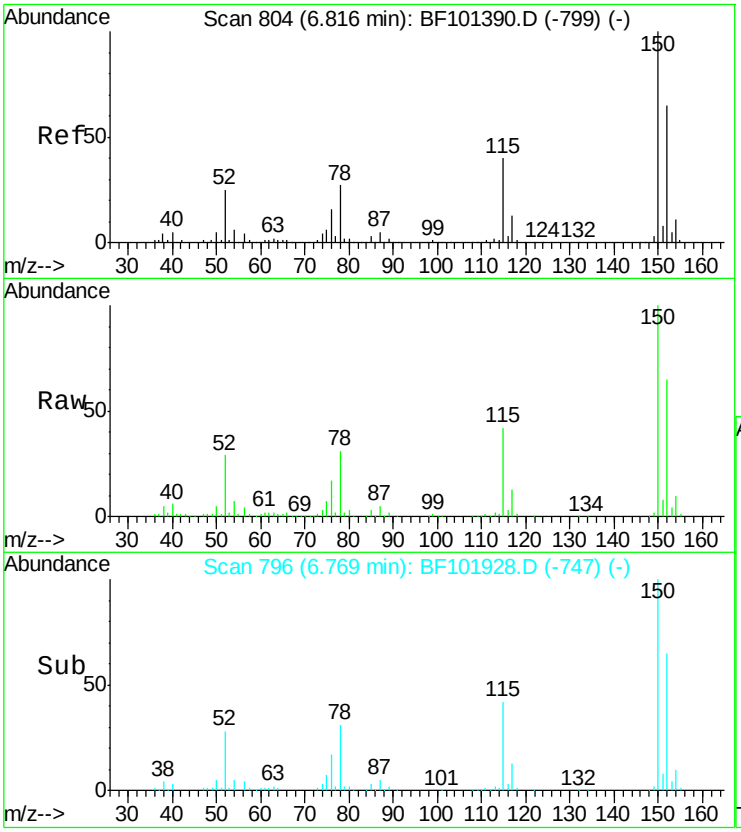
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF010518\
Data File : BF101928.D
Acq On : 5 Jan 2018 14:34
Operator : SJ/JU
Sample : J1004-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Quant Time: Jan 05 15:05:02 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



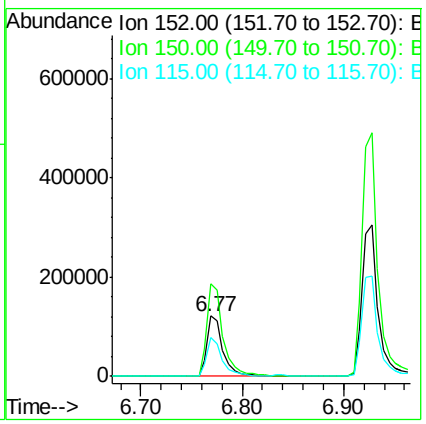


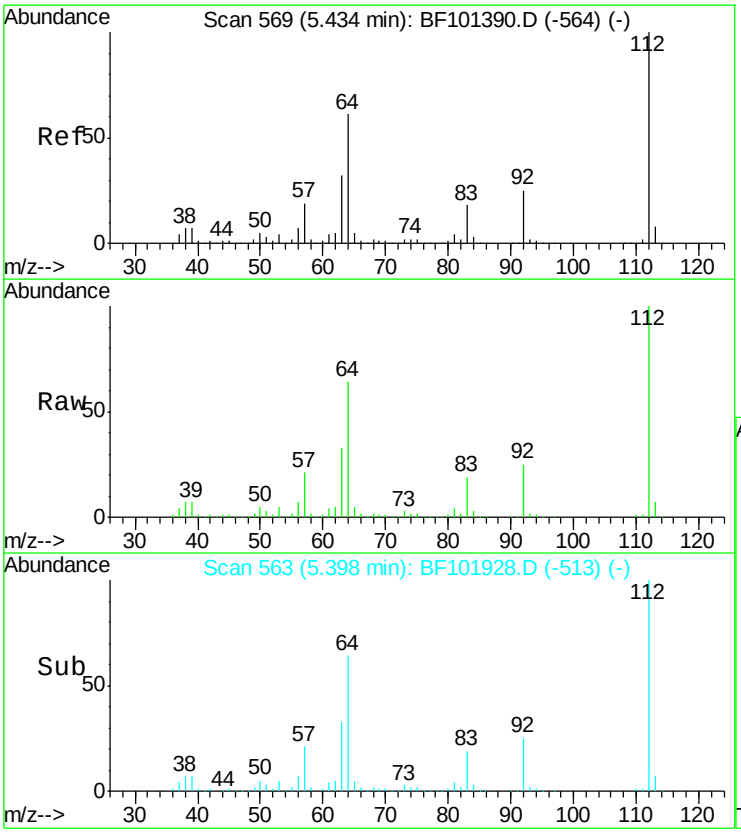

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:152 Resp: 133124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 124.6 | 186.8 |
| 115 | 65.5 | 50.1 | 75.1 |

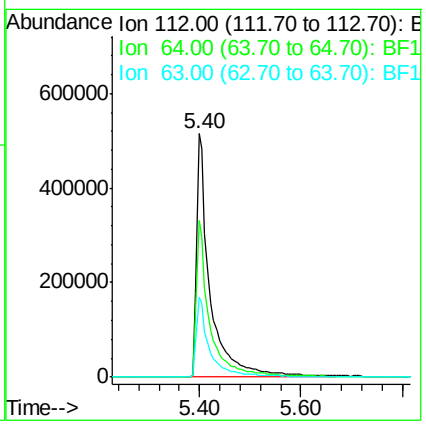


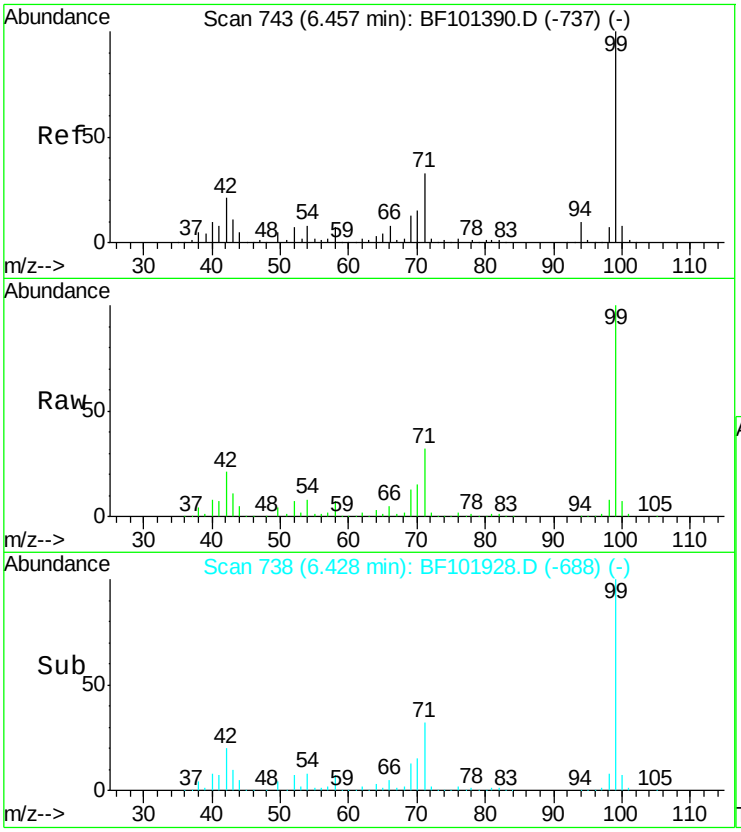




#5
2-Fluorophenol
Concen: 106.930 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:112 Resp: 955633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.5 | 47.9 | 71.9 |
| 63 | 32.9 | 23.7 | 35.5 |



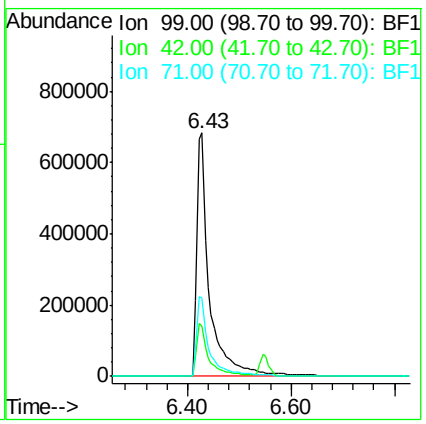


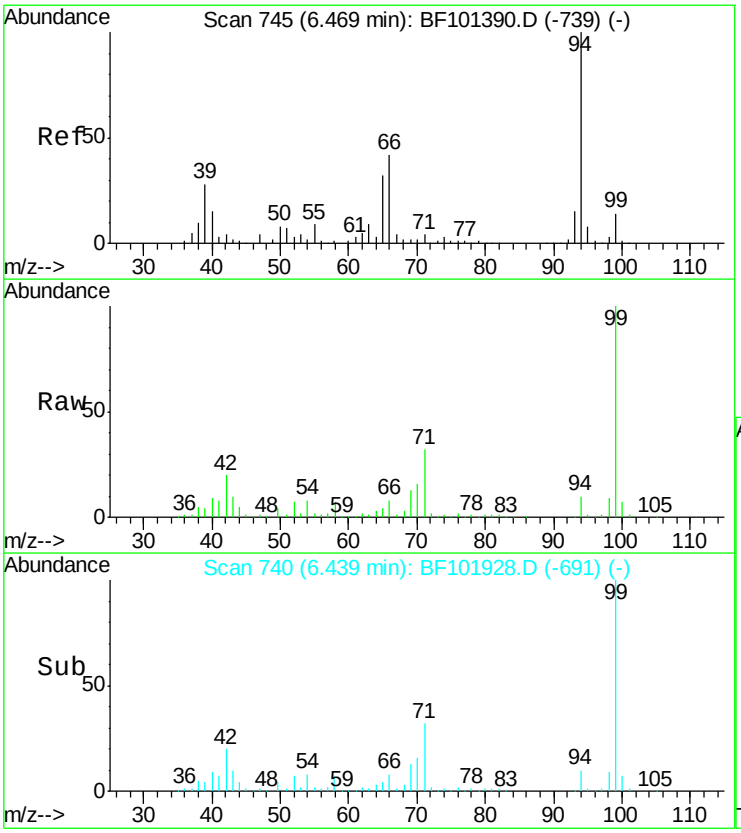

#7
Phenol-d6
Concen: 102.940 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion: 99 Resp: 1144949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 14.5 | 21.7 |
| 71 | 32.0 | 25.4 | 38.0 |

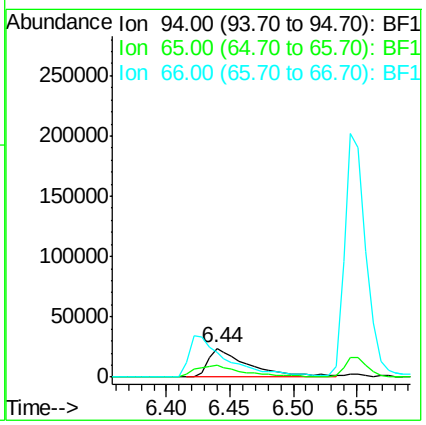


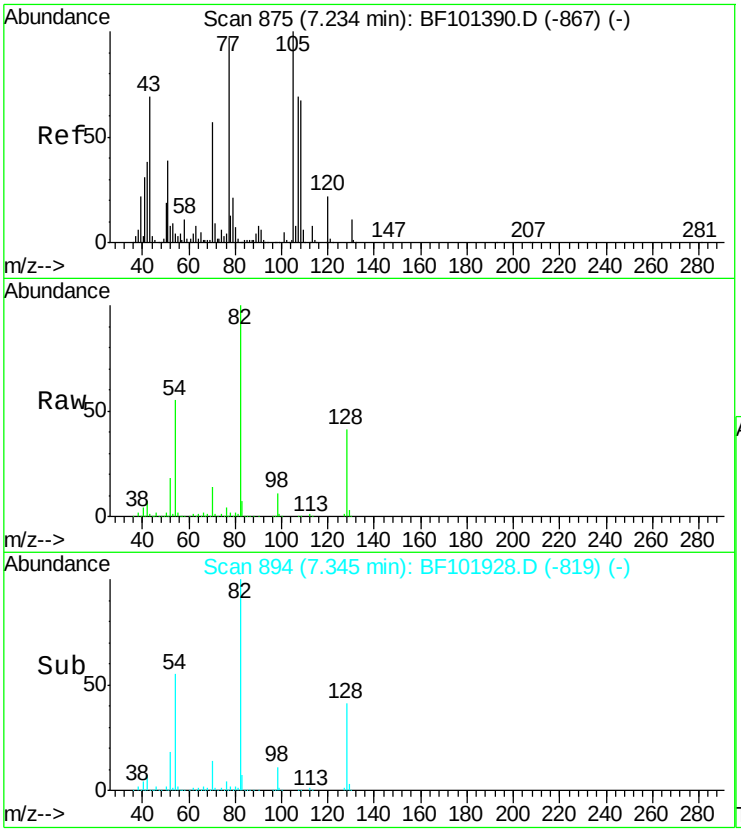




#10
Phenol
Concen: 4.129 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion: 94 Resp: 52342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.9 | 7.9 | 47.9 |
| 66 | 86.6 | 16.2 | 56.2# |



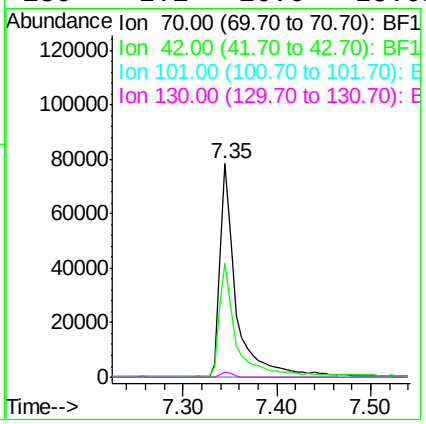


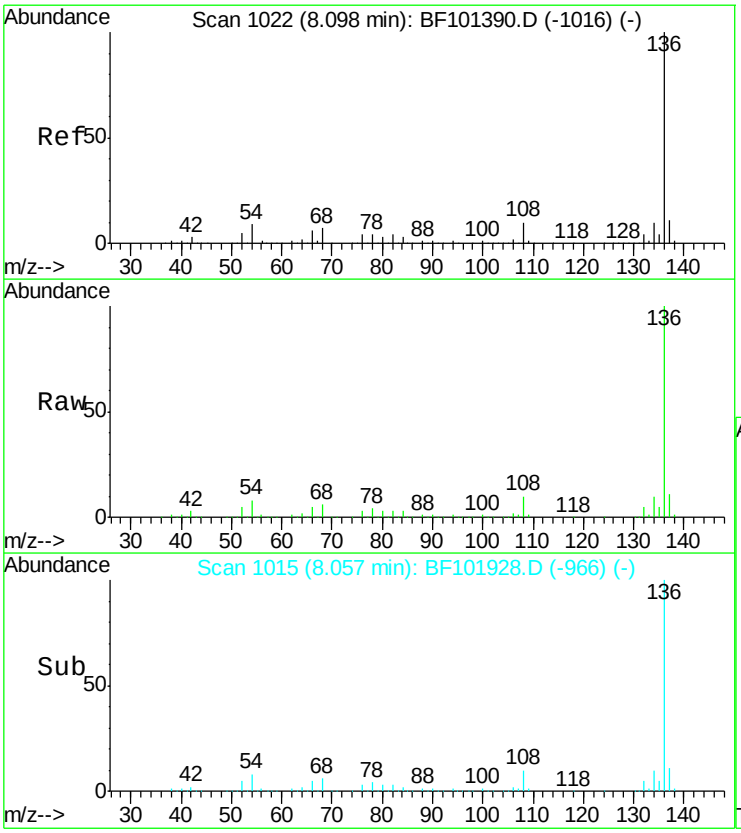

#19
n-Nitroso-di-n-propylamine
Concen: 13.009 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion: 70 Resp: 95022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.2 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.1 | 16.6 | 25.0# |

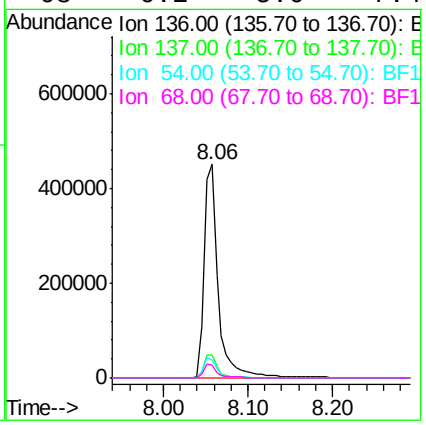


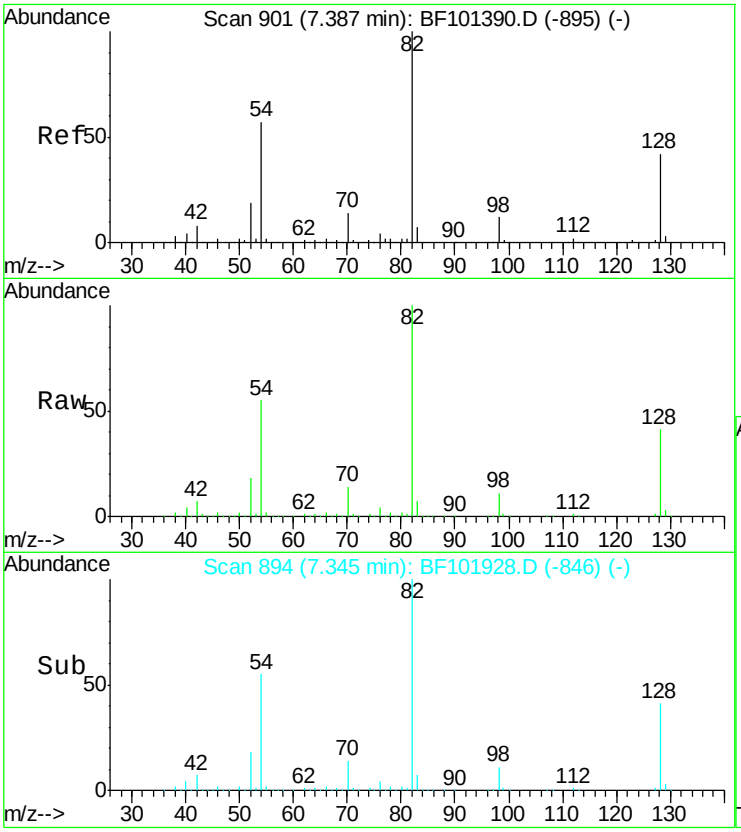




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:136 Resp: 524107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.9 | 13.3 |
| 54 | 8.3 | 6.6 | 9.8 |
| 68 | 6.2 | 5.0 | 7.4 |



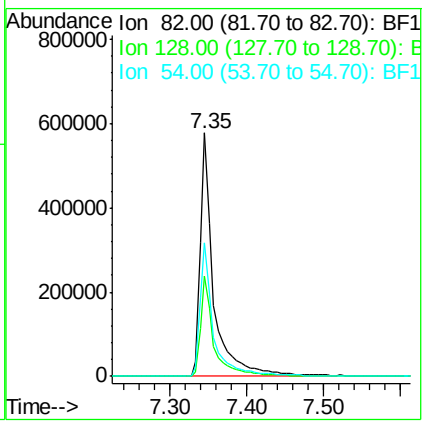


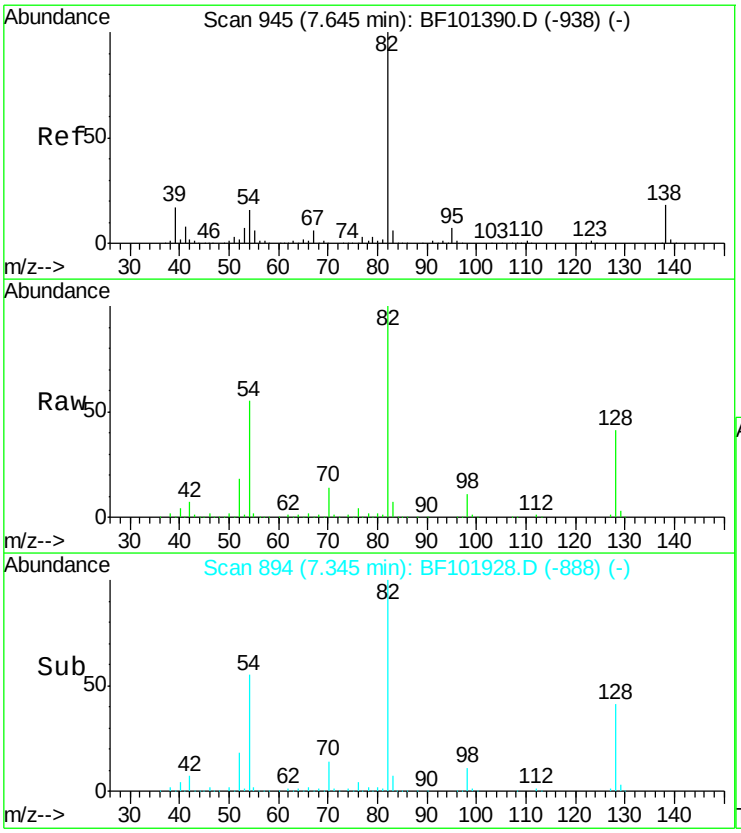

#23
Nitrobenzene-d5
Concen: 75.078 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion: 82 Resp: 706881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.1 | 36.1 | 54.1 |
| 54 | 54.8 | 41.4 | 62.2 |

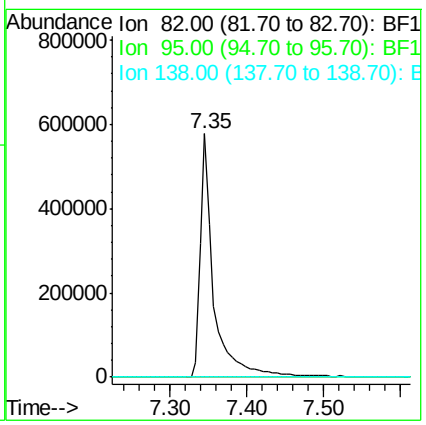


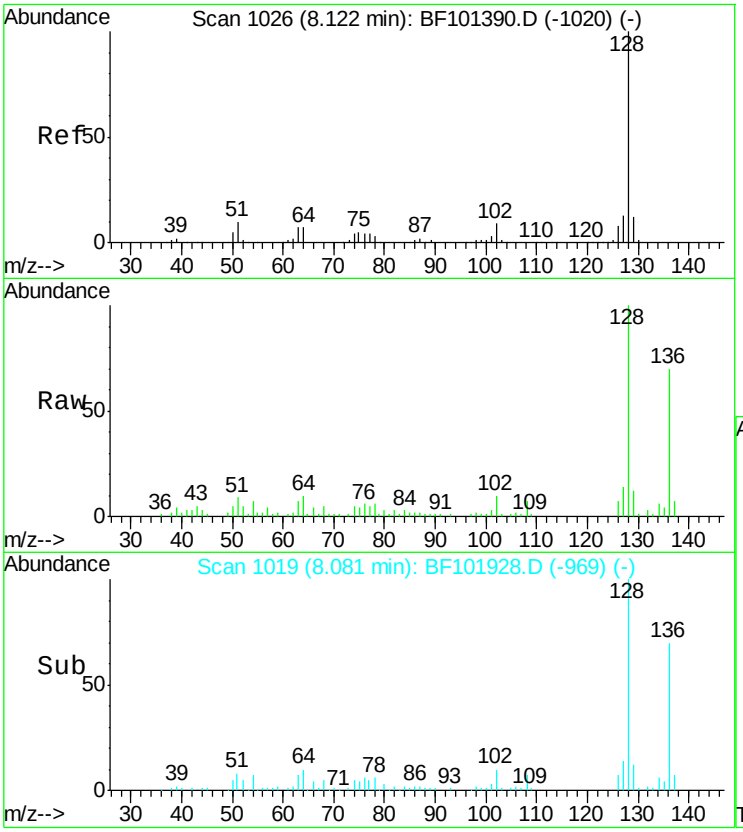




#25
Isophorone
Concen: 37.426 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion: 82 Resp: 706881

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



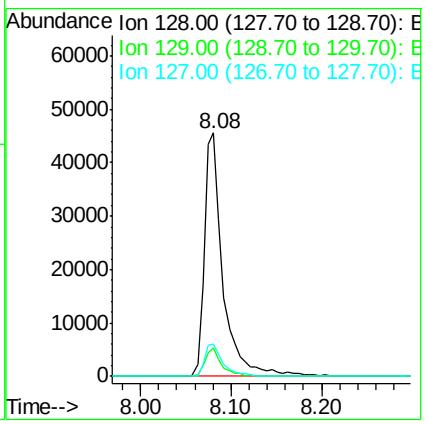


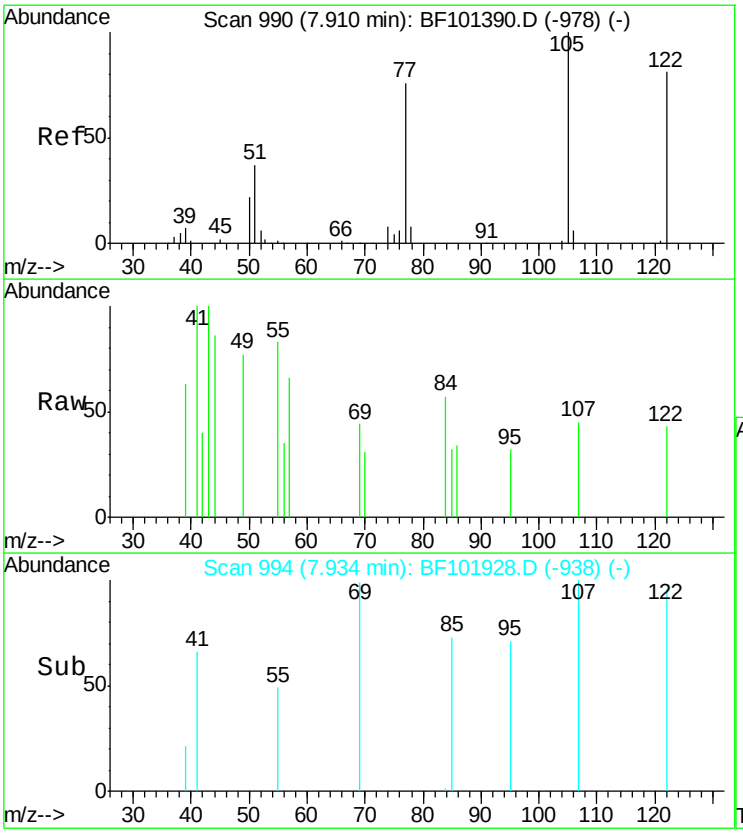

#31
Naphthalene
Concen: 2.485 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:128 Resp: 65574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.8 | 13.2 |
| 127 | 13.5 | 10.9 | 16.3 |

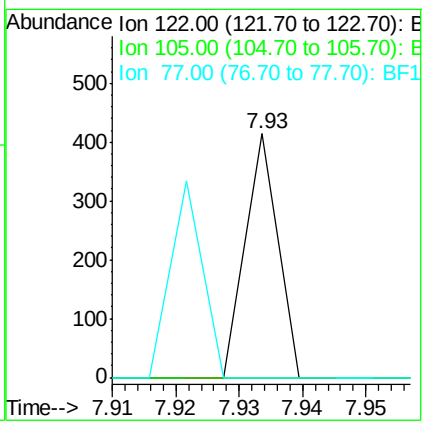


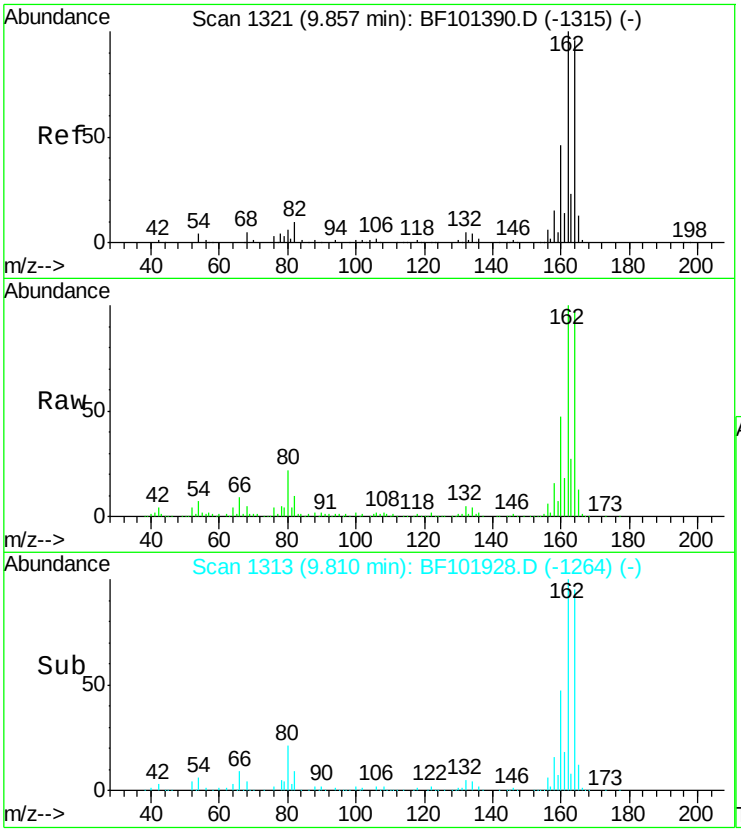




#32
Benzoic acid
Concen: 7.985 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.03 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:122 Resp: 146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 0.0 | 70.7 | 110.7# |



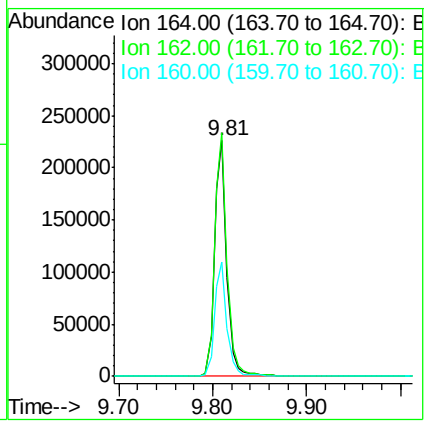


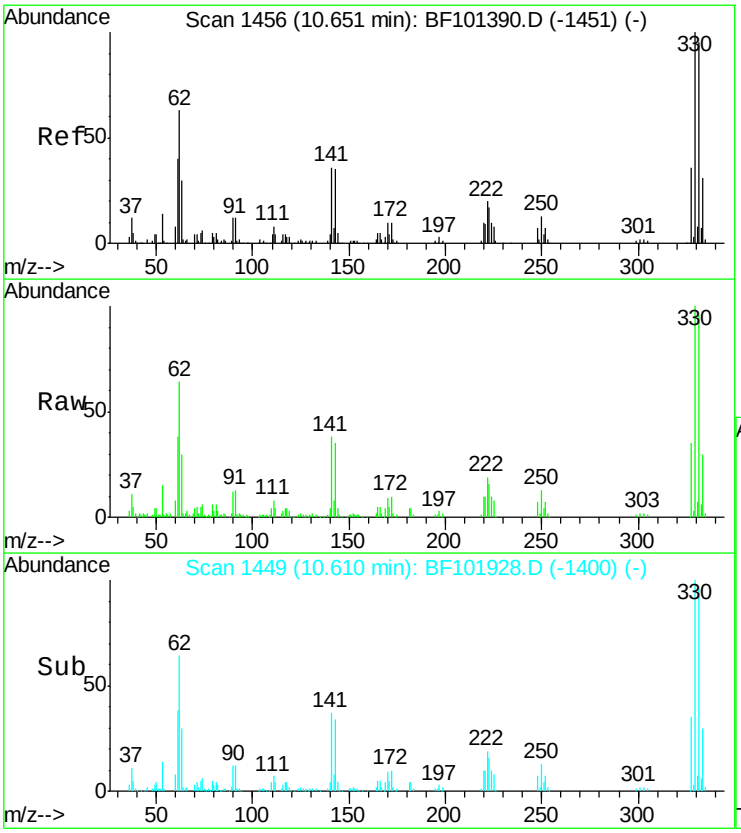

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:164 Resp: 209554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 86.1 | 129.1 |
| 160 | 48.4 | 38.3 | 57.5 |

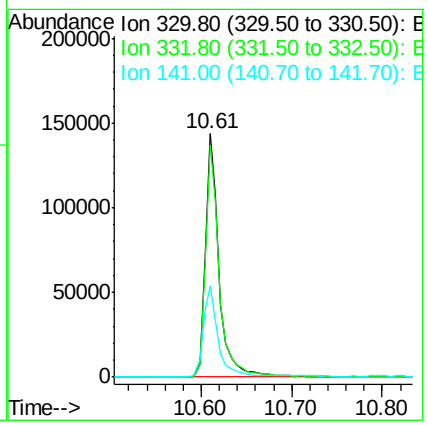


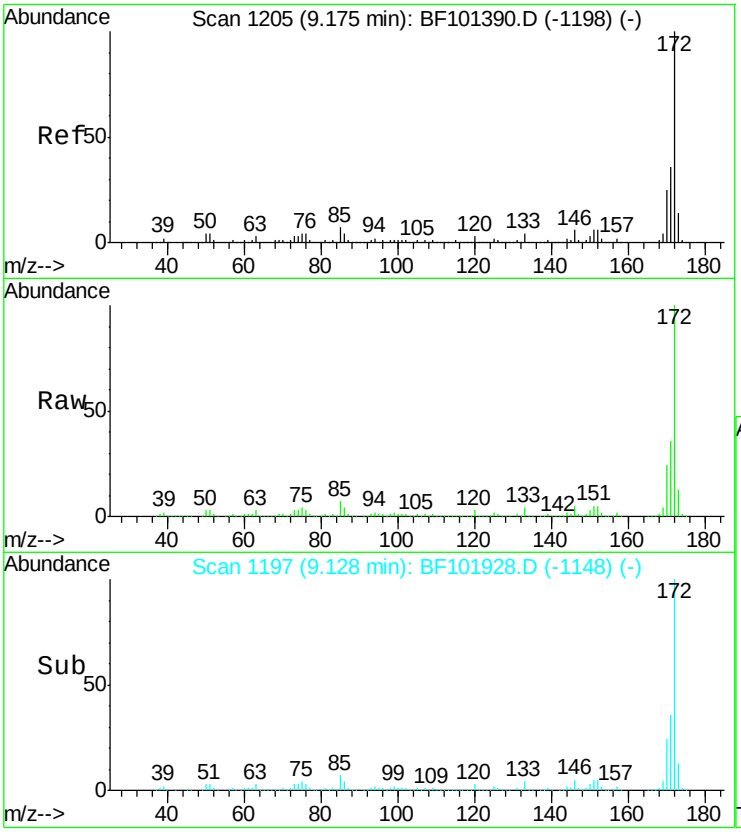




#41
2,4,6-Tribromophenol
Concen: 76.086 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:330 Resp: 153634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.0 | 115.6 |
| 141 | 39.7 | 29.9 | 44.9 |



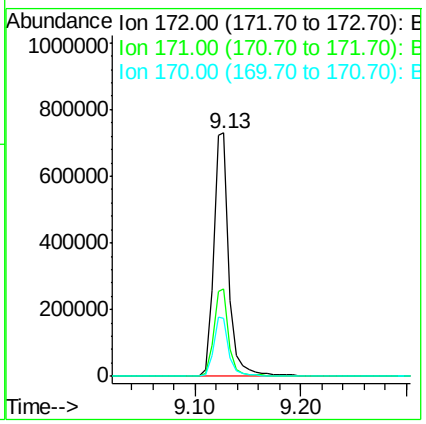


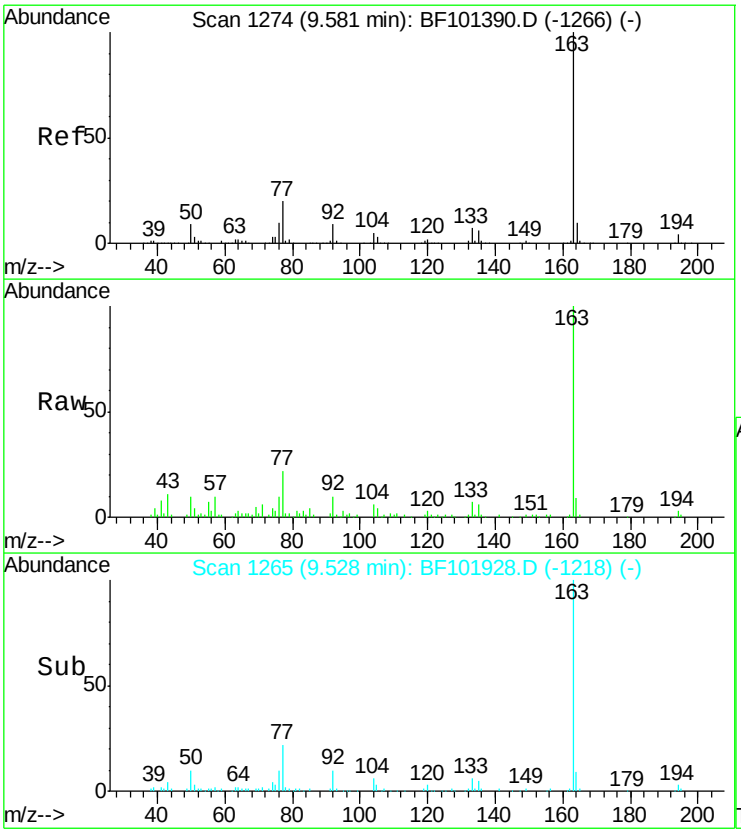

#44
2-Fluorobiphenyl
Concen: 55.920 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:172 Resp: 755408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.7 | 44.5 |
| 170 | 23.7 | 19.6 | 29.4 |

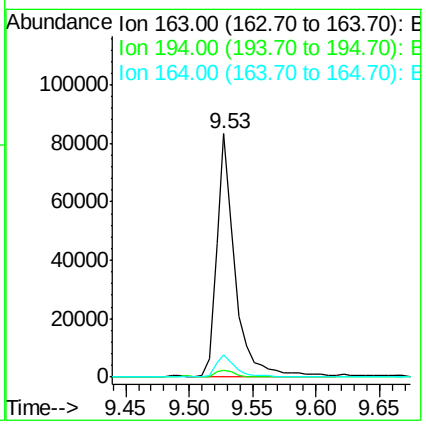


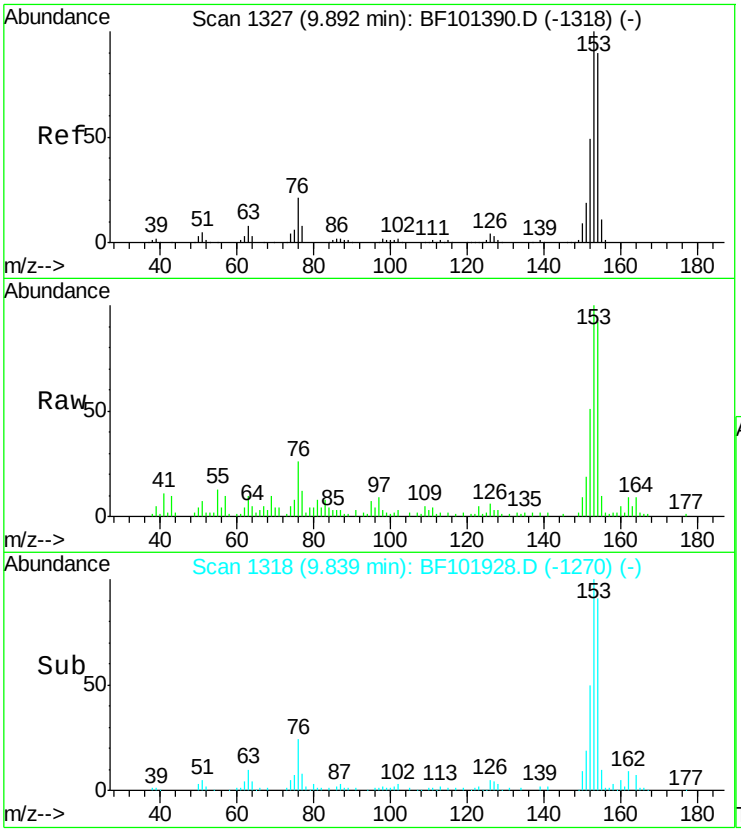




#49
Dimethylphthalate
Concen: 5.046 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:163 Resp: 85048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.8 | 2.7 | 4.1 |
| 164 | 9.3 | 8.2 | 12.2 |



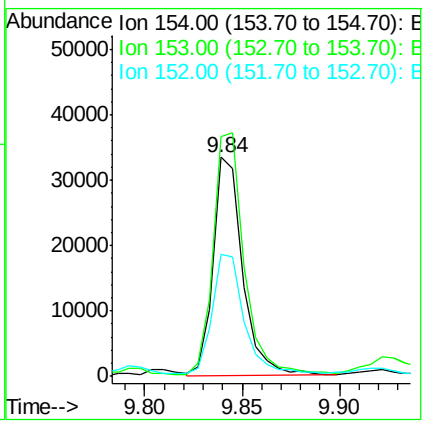


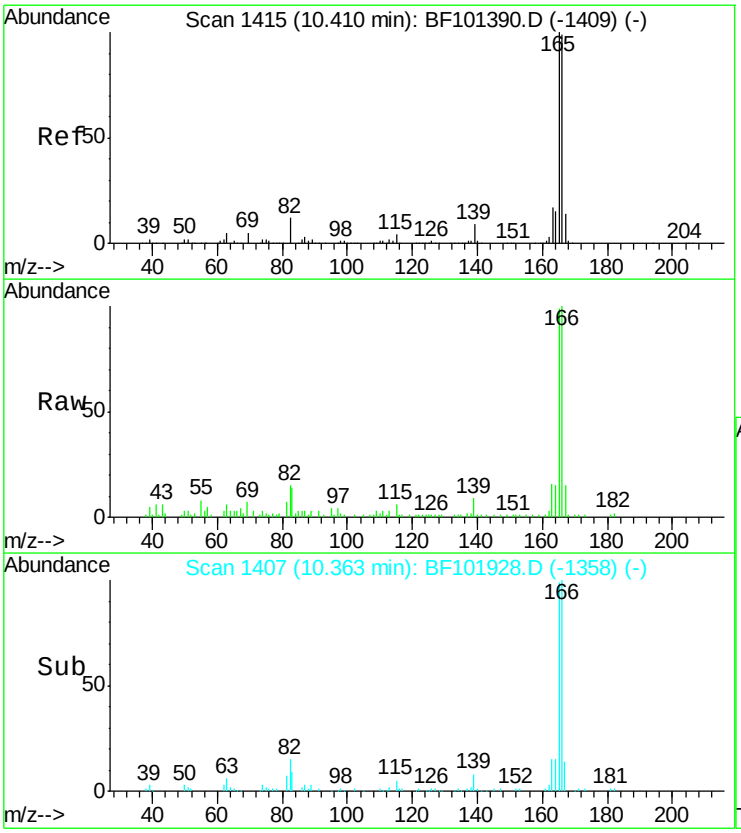

#51
Acenaphthene
Concen: 2.562 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:154 Resp: 34571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 109.2 | 91.2 | 136.8 |
| 152 | 55.5 | 43.8 | 65.8 |

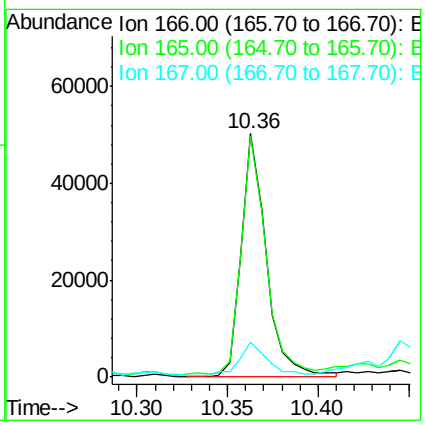


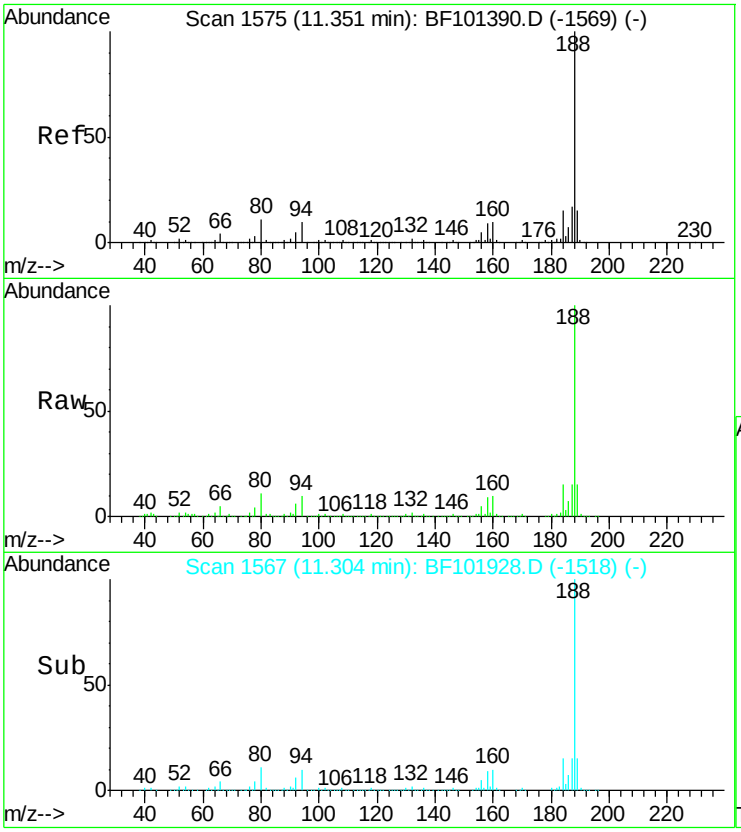




#57
Fluorene
Concen: 3.341 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:166 Resp: 48469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.0 | 79.8 | 119.8 |
| 167 | 14.6 | 10.6 | 16.0 |



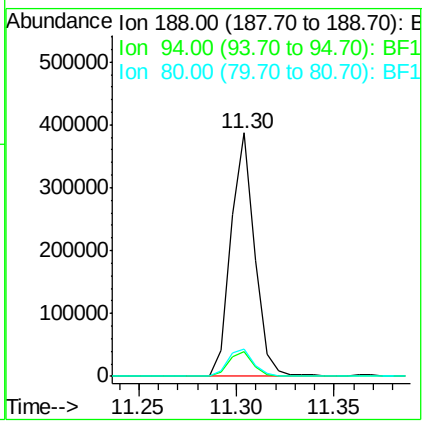


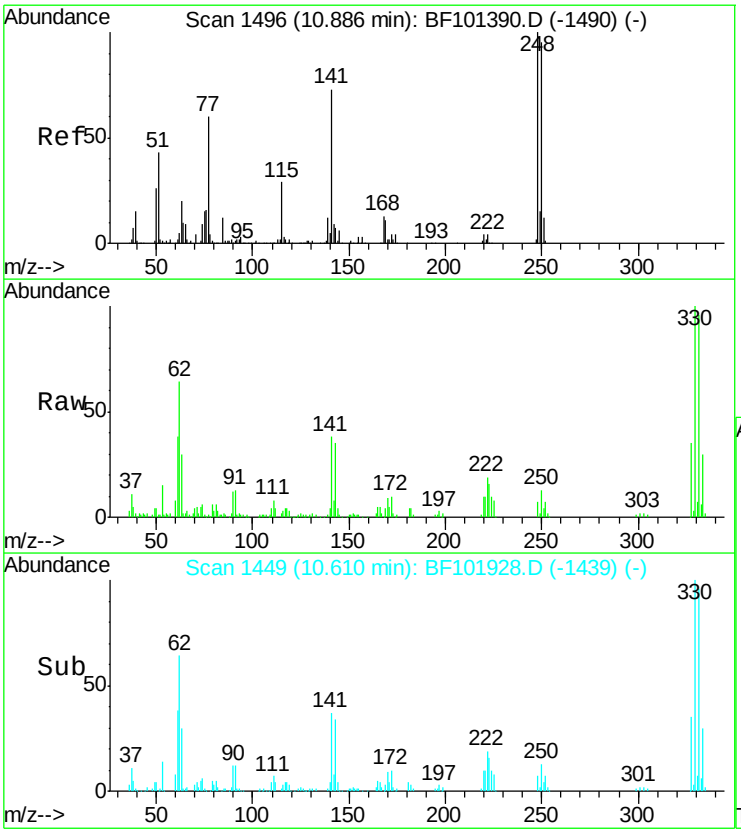

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:188 Resp: 326624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.5 | 12.7 |
| 80 | 11.0 | 9.2 | 13.8 |

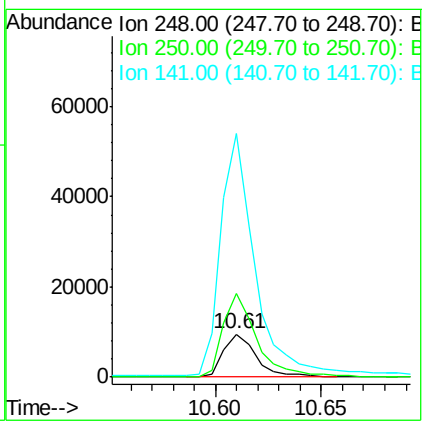


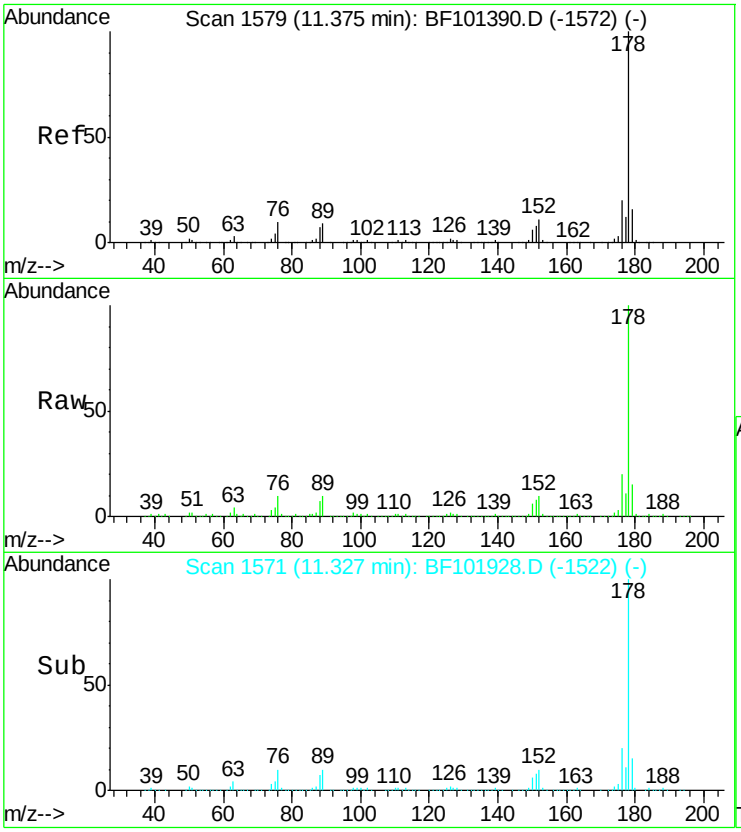




#66
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:248 Resp: 10248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 194.4 | 76.9 | 115.3# |
| 141 | 565.5 | 74.4 | 111.6# |



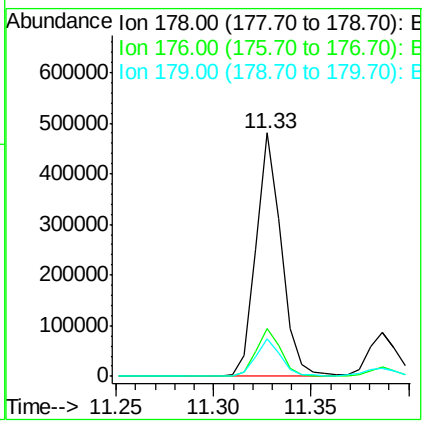


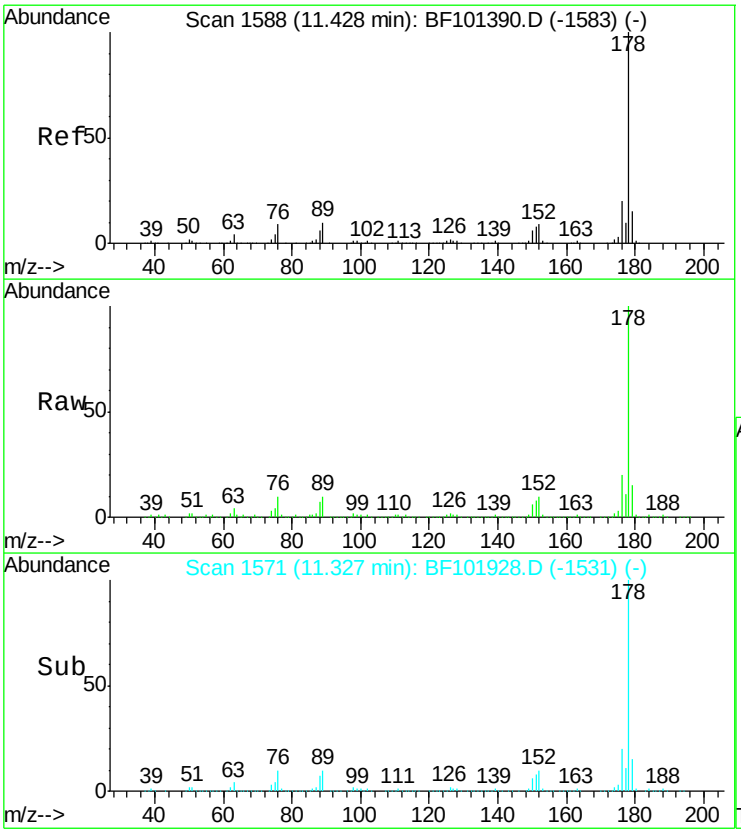

#70
Phenanthrene
Concen: 23.758 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:178 Resp: 431542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.8 | 23.8 |
| 179 | 15.3 | 13.0 | 19.6 |

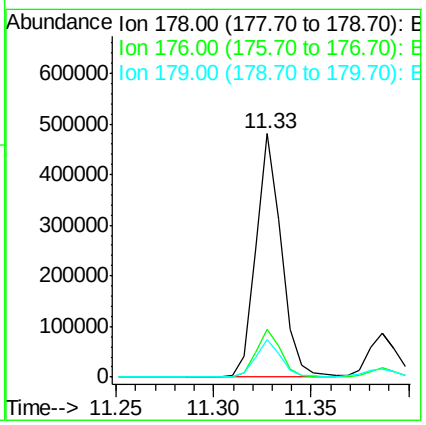


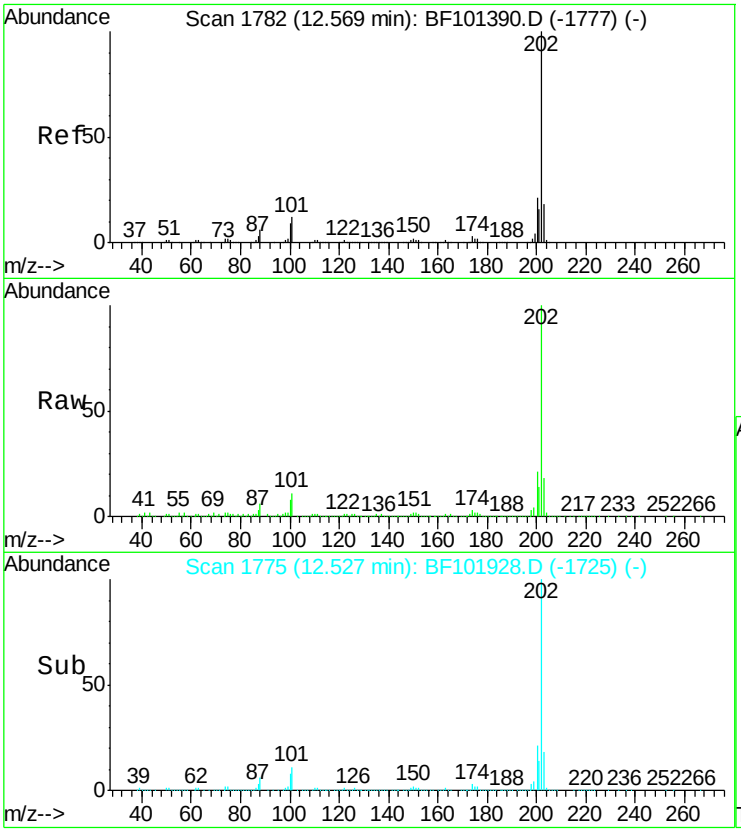




#71
Anthracene
Concen: 23.259 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.06 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:178 Resp: 431542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 15.3 | 12.6 | 19.0 |



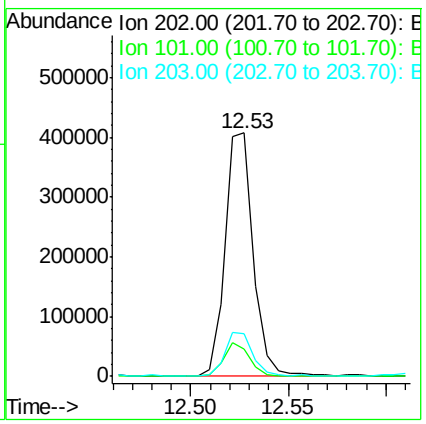


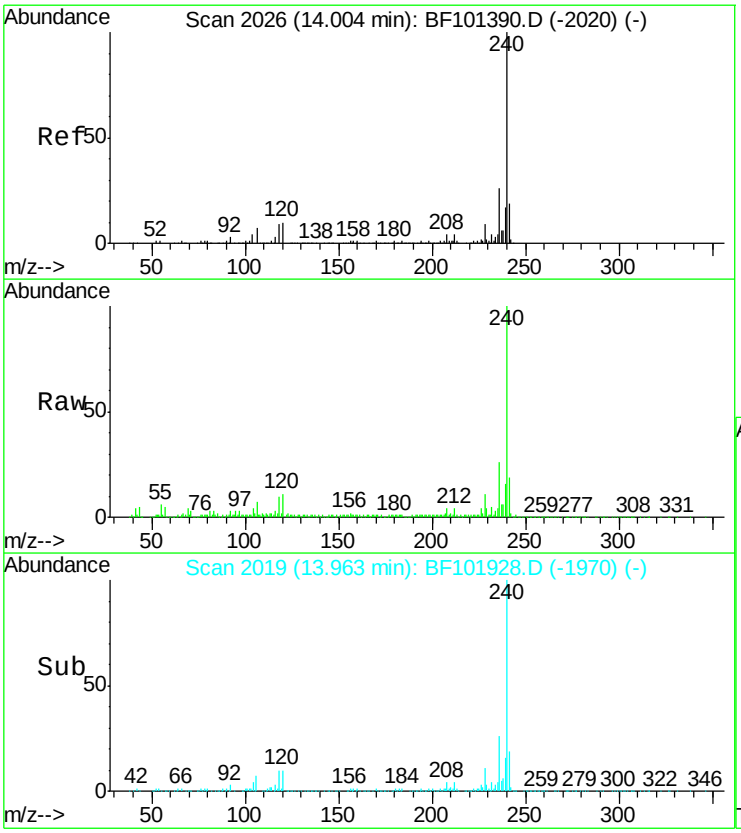

#74
Fluoranthene
Concen: 21.244 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:202 Resp: 405024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 0.0 | 34.1 |
| 203 | 17.7 | 0.0 | 38.1 |

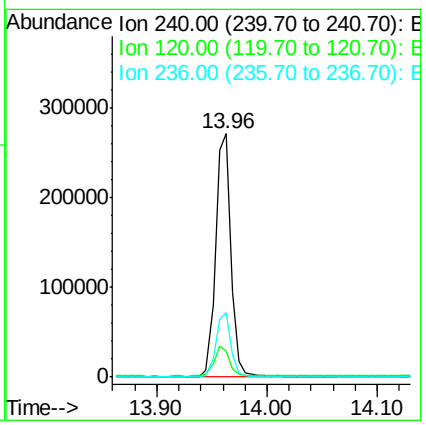


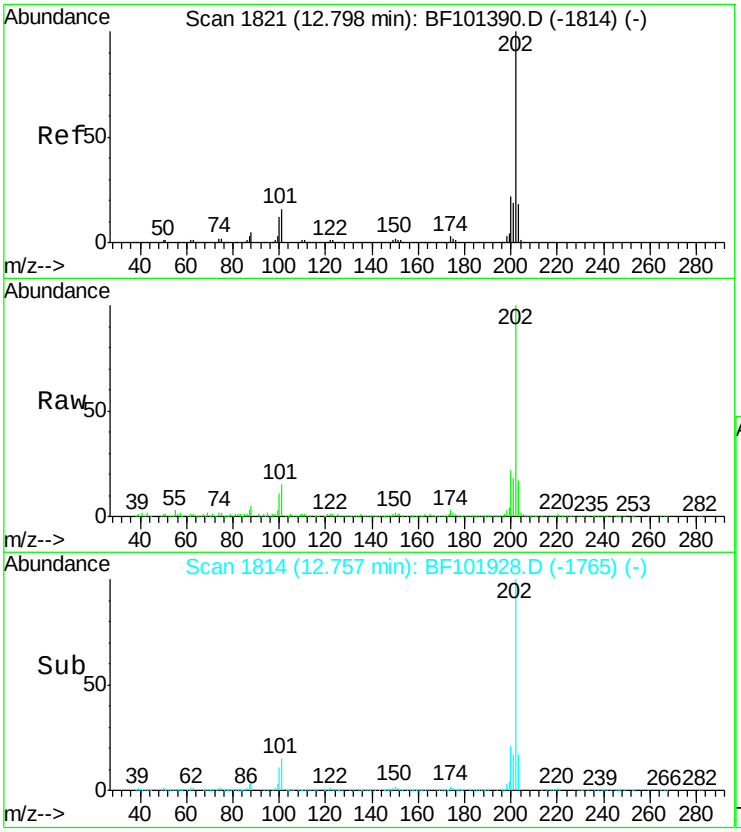




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:240 Resp: 259871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 9.5 | 14.3 |
| 236 | 26.3 | 20.7 | 31.1 |



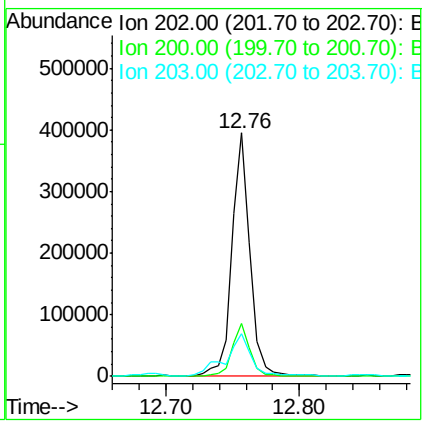


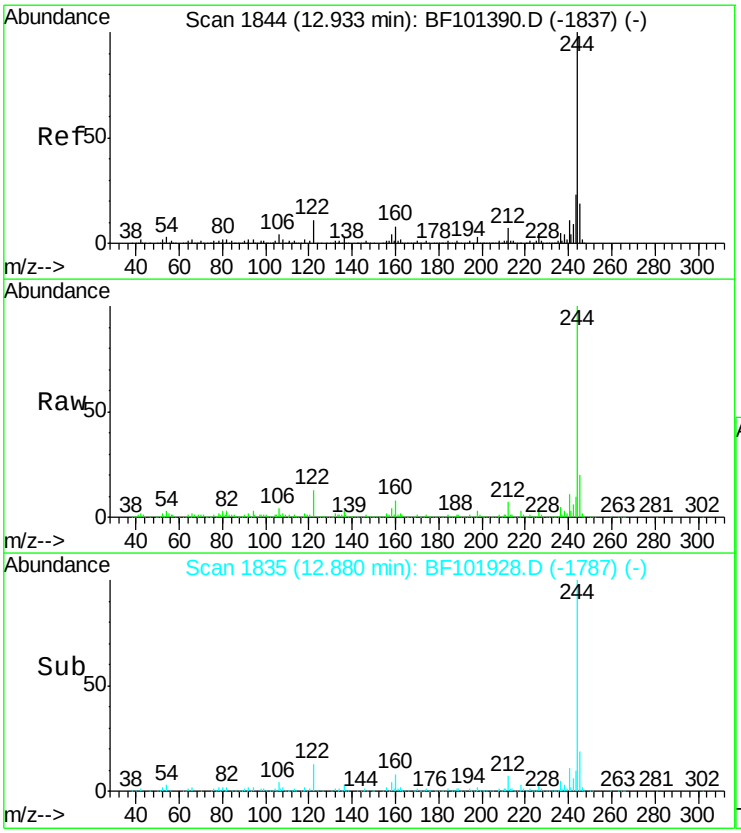

#77
Pyrene
Concen: 19.068 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:202 Resp: 371891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.4 | 26.2 |
| 203 | 17.5 | 14.3 | 21.5 |

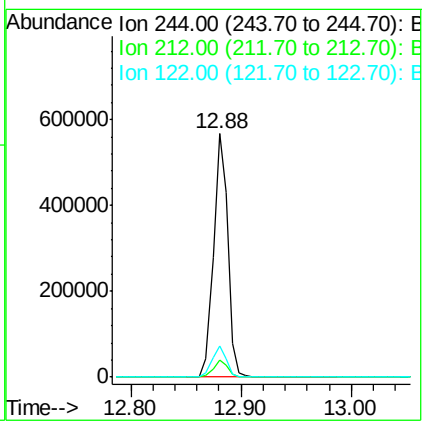


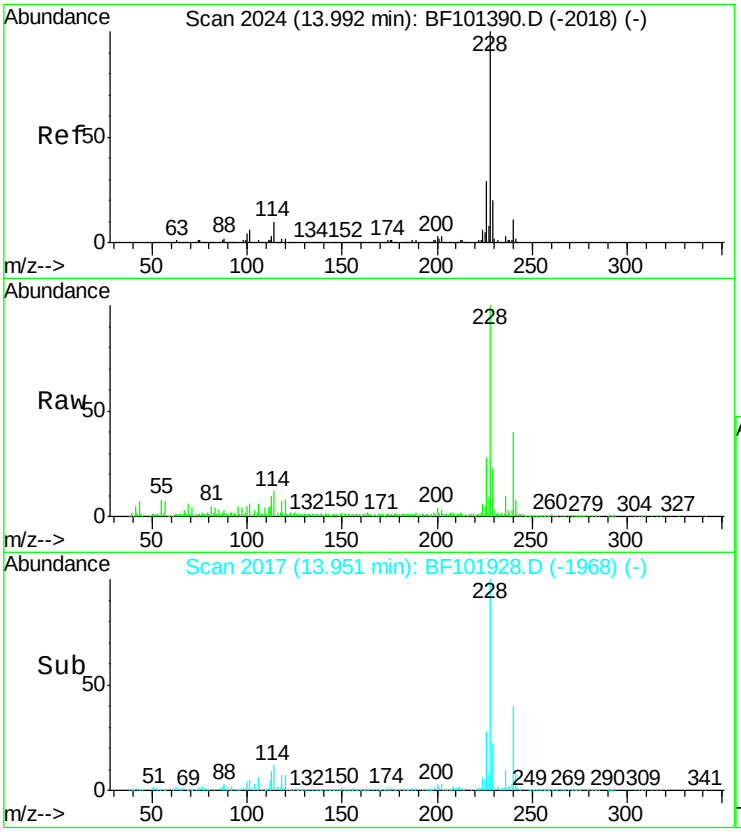




#78
Terphenyl-d14
Concen: 46.718 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:244 Resp: 503603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 12.9 | 11.0 | 16.4 |



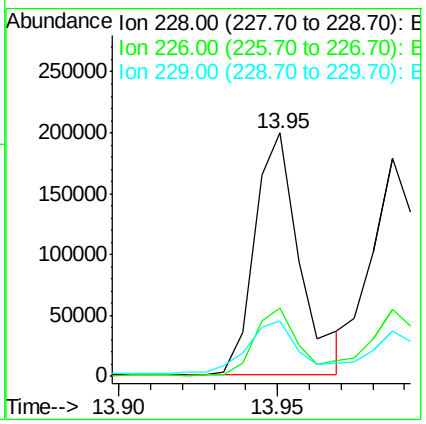


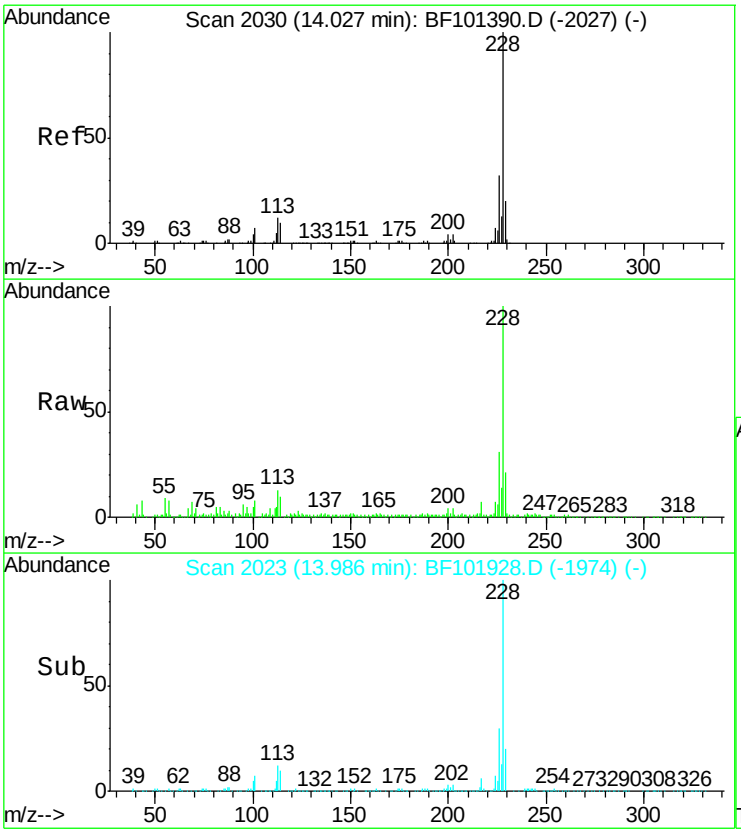

#80
Benzo(a)anthracene
Concen: 11.451 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:228 Resp: 196504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.3 | 22.6 | 33.8 |
| 229 | 22.8 | 15.8 | 23.6 |

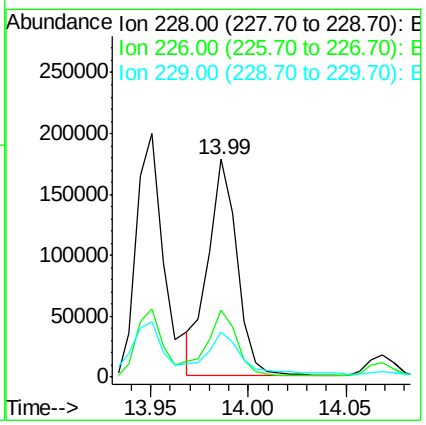


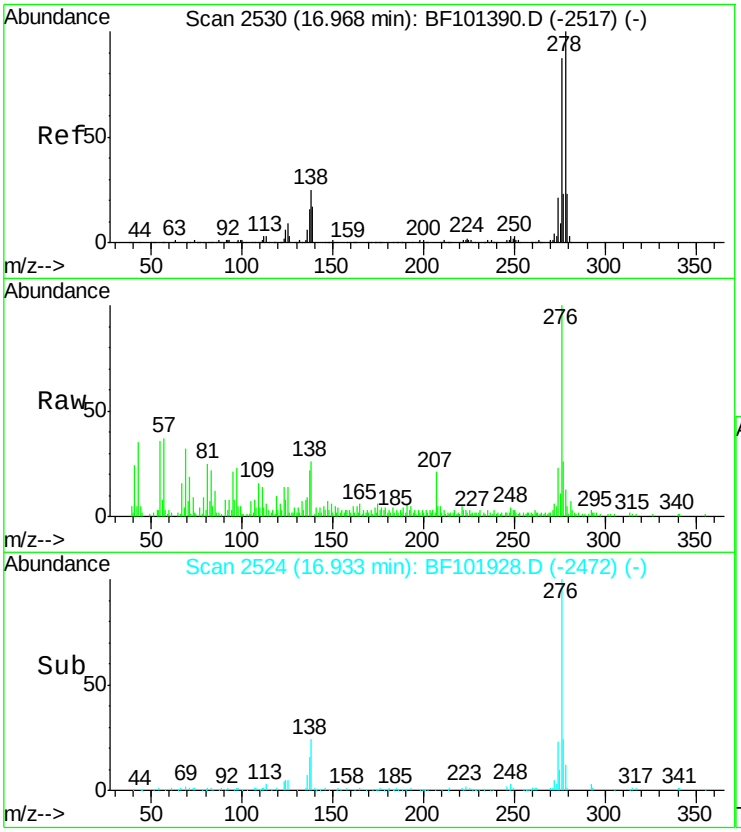




#82
Chrysene
Concen: 11.332 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:228 Resp: 183605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 25.0 | 37.6 |
| 229 | 20.9 | 16.2 | 24.4 |



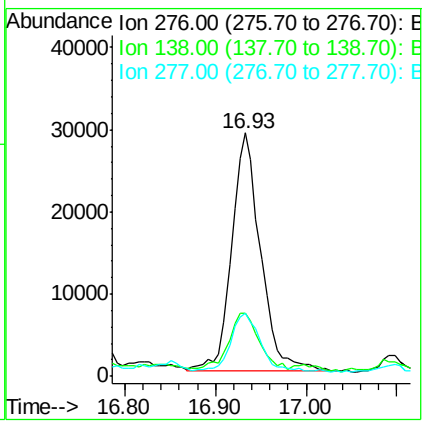


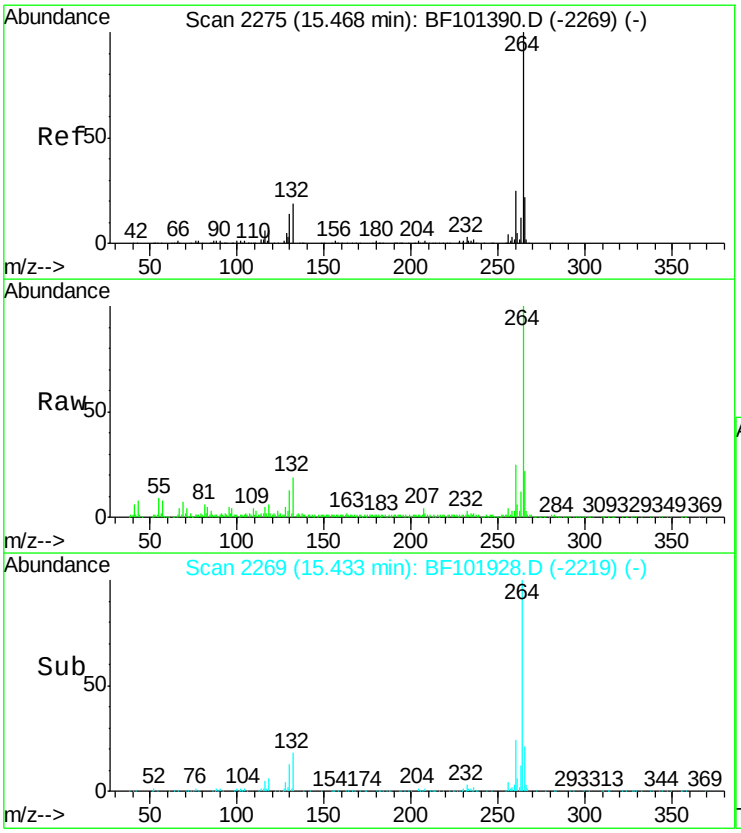

#85
Indeno(1,2,3-cd)pyrene
Concen: 4.468 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:276 Resp: 64457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.4 | 25.0 | 37.6 |
| 277 | 24.1 | 20.1 | 30.1 |

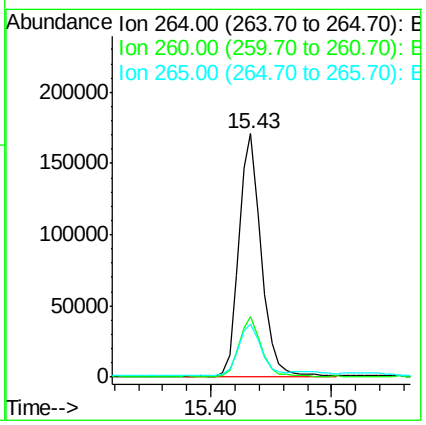


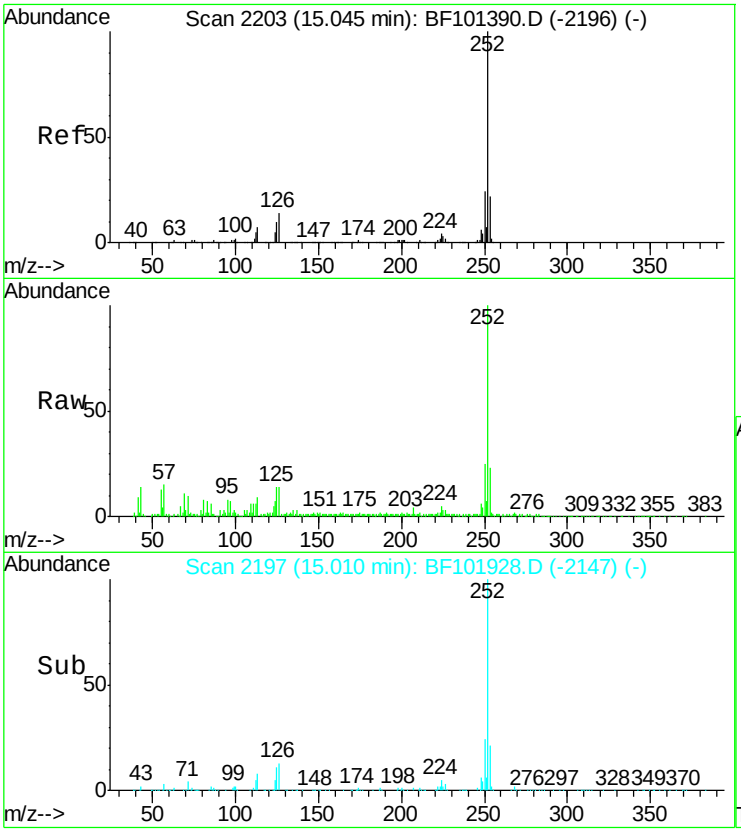




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:264 Resp: 219497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.2 | 28.8 |
| 265 | 21.6 | 17.5 | 26.3 |



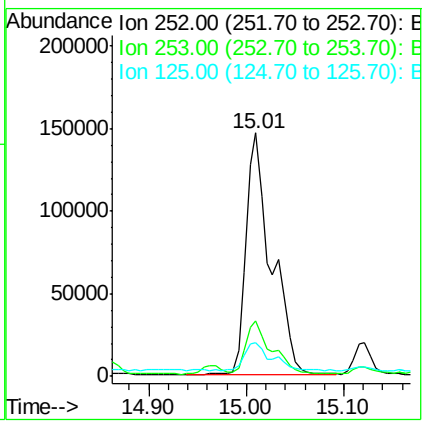


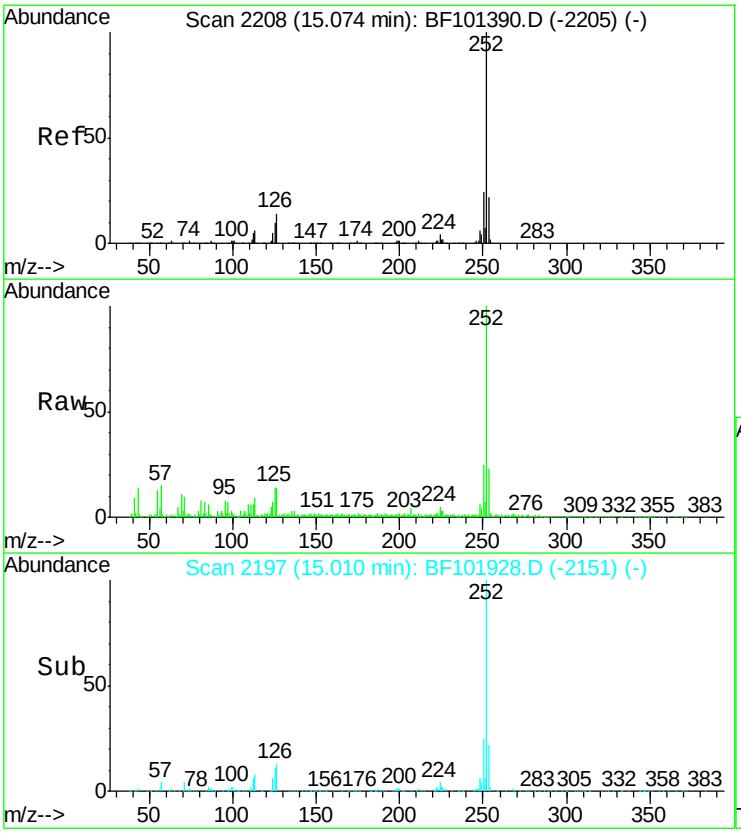

#87
Benzo(b)fluoranthene
Concen: 19.938 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:252 Resp: 266754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.0 | 25.6 |
| 125 | 13.8 | 9.0 | 13.6# |

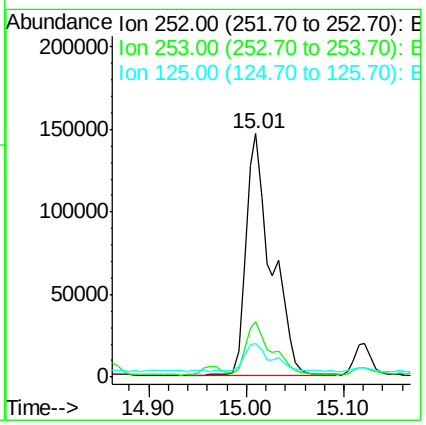


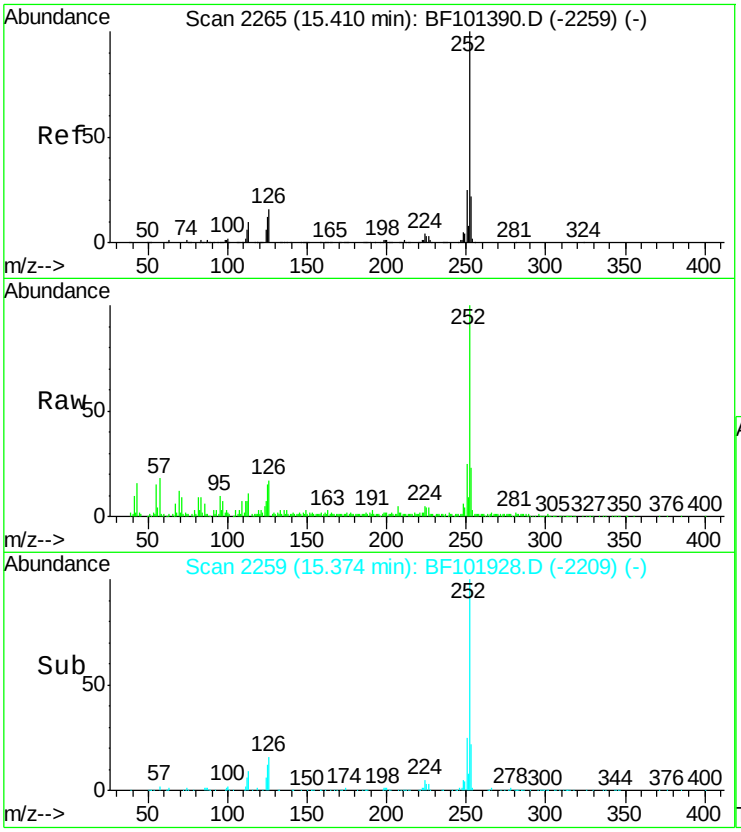




#88
Benzo(k)fluoranthene
Concen: 20.507 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:252 Resp: 266754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.9 | 26.9 |
| 125 | 13.8 | 10.2 | 15.2 |



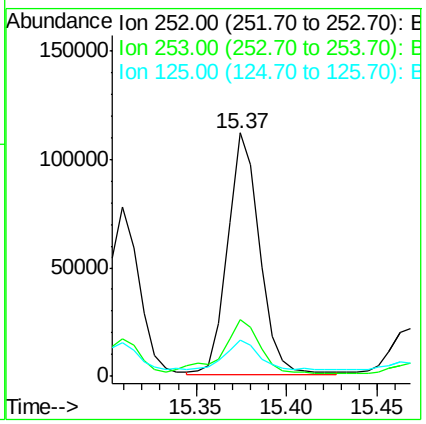


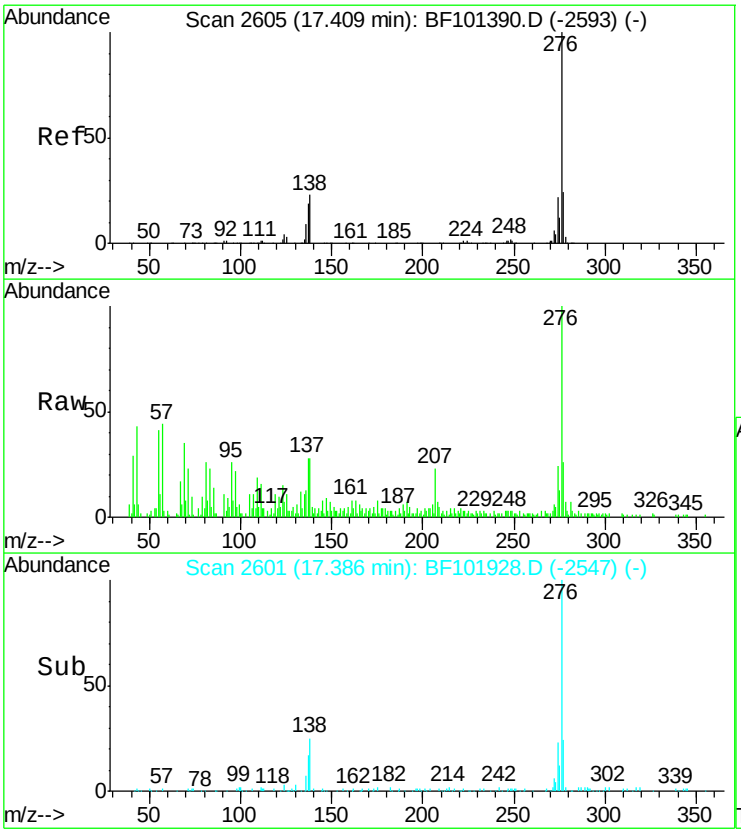

#89
Benzo(a)pyrene
Concen: 11.009 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

**Instrument :**
BNA_F
**ClientSampleId :**
SB-12-COMP

Tgt Ion:252 Resp: 135779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.1 | 25.7 |
| 125 | 15.1 | 9.8 | 14.6# |




#91
Benzo(g,h,i)perylene
Concen: 5.685 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:276 Resp: 59612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.9 | 17.9 | 26.9 |
| 138 | 28.2 | 21.8 | 32.8 |