Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
Data File : BF110861.D
Acq On : 19 Nov 2018 18:53
Operator : JU/SJ
Sample : J5574-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-04-111618

Quant Time: Nov 20 00:36:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 56208 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 214390 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.98 | 164 | 88149 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.48 | 188 | 141716 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 112250 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.67 | 264 | 73993 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 348104 | 100.60 | ng | | 0.00 |
| 7) Phenol-d6 | 6.57 | 99 | 432993 | 97.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 264357 | 71.01 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.78 | 330 | 76935 | 86.62 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.30 | 172 | 439291 | 71.17 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.07 | 244 | 381422 | 63.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.57 | 77 | 844 | Below Cal | | # | 1 |
| 10) Phenol | 6.58 | 94 | 19168 | 3.736 | ng | | 81 |
| 25) Isophorone | 7.50 | 82 | 263162 | 43.130 | ng | # | 67 |
| 50) Dimethylphthalate | 9.69 | 163 | 37928 | 5.766 | ng | # | 97 |
| 67) 4-Bromophenyl-phenylether | 10.78 | 248 | 5022 | 3.206 | ng | # | 1 |
| 71) Phenanthrene | 11.50 | 178 | 83277 | 10.968 | ng | | 99 |
| 72) Anthracene | 11.50 | 178 | 83277 | 10.873 | ng | | 99 |
| 75) Fluoranthene | 12.70 | 202 | 157402 | 20.678 | ng | | 99 |
| 78) Pyrene | 12.94 | 202 | 168442 | 19.489 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.13 | 228 | 76312 | 11.374 | ng | | 96 |
| 83) Chrysene | 14.13 | 228 | 76312 | 11.939 | ng | | 93 |
| 86) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 23181 | 5.054 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.22 | 252 | 81962 | 18.516 | ng | # | 84 |
| 89) Benzo(k)fluoranthene | 15.22 | 252 | 81962 | 18.739 | ng | # | 83 |
| 90) Benzo(a)pyrene | 15.61 | 252 | 43494 | 10.815 | ng | # | 87 |
| 91) Dibenzo(a,h)anthracene | 17.26 | 278 | 8059 | 2.368 | ng | # | 41 |
| 92) Benzo(g,h,i)perylene | 17.74 | 276 | 26359 | 7.806 | ng | # | 91 |

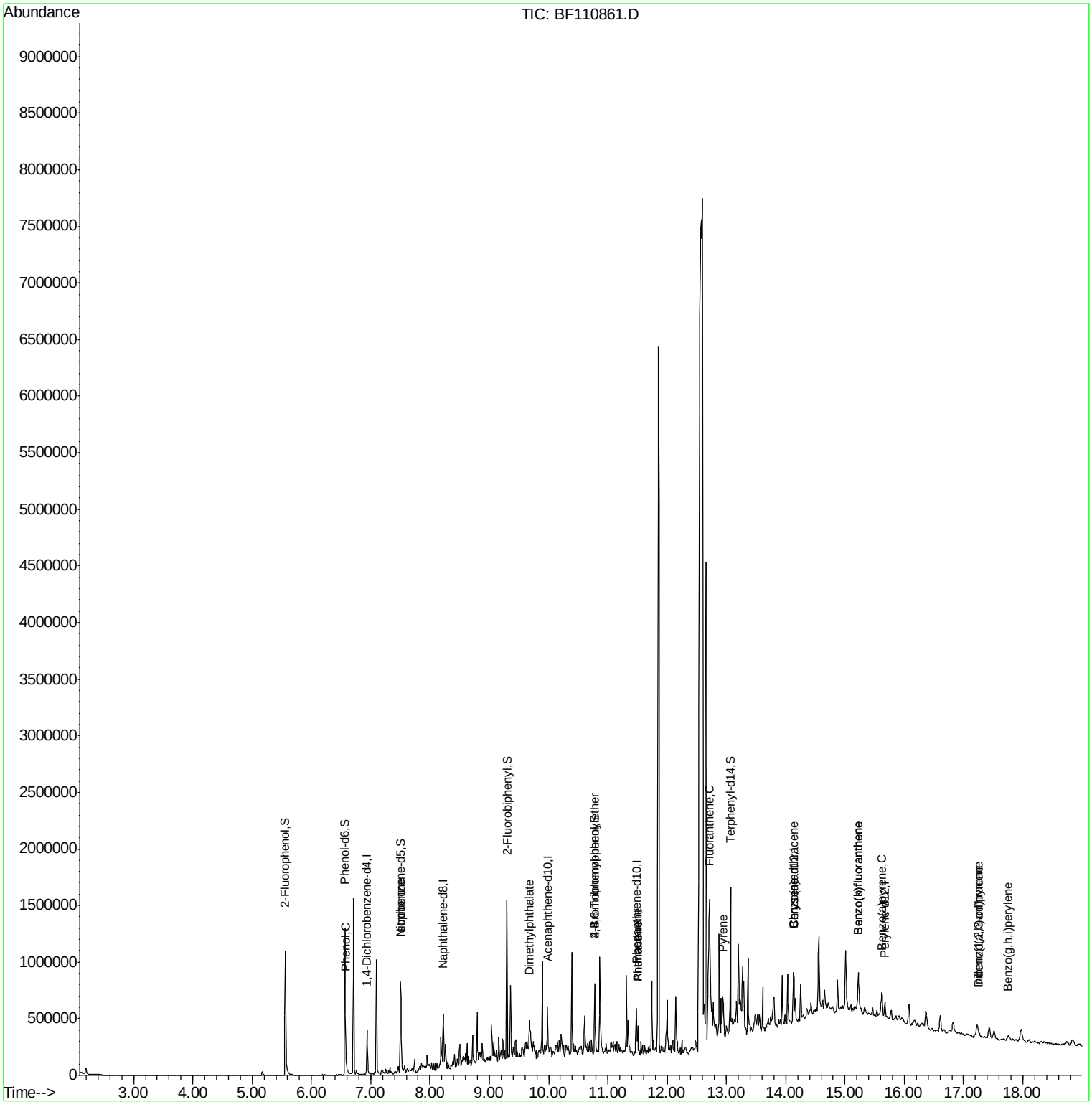
(#) = qualifier out of range (m) = manual integration (+) = signals summed

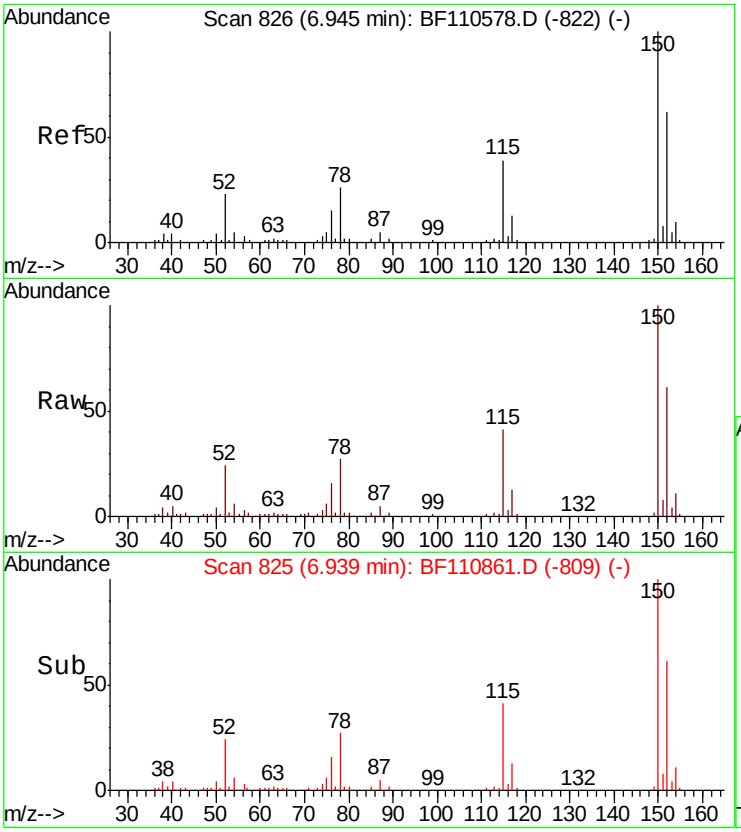
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
Data File : BF110861.D
Acq On : 19 Nov 2018 18:53
Operator : JU/SJ
Sample : J5574-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Quant Time: Nov 20 00:36:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



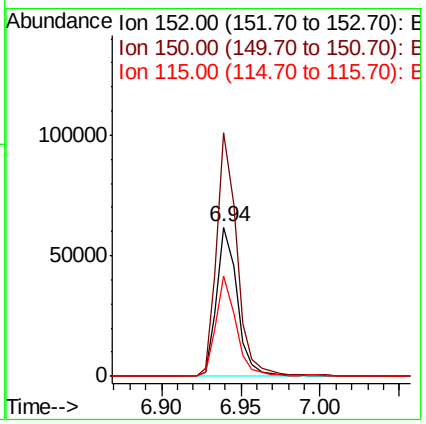


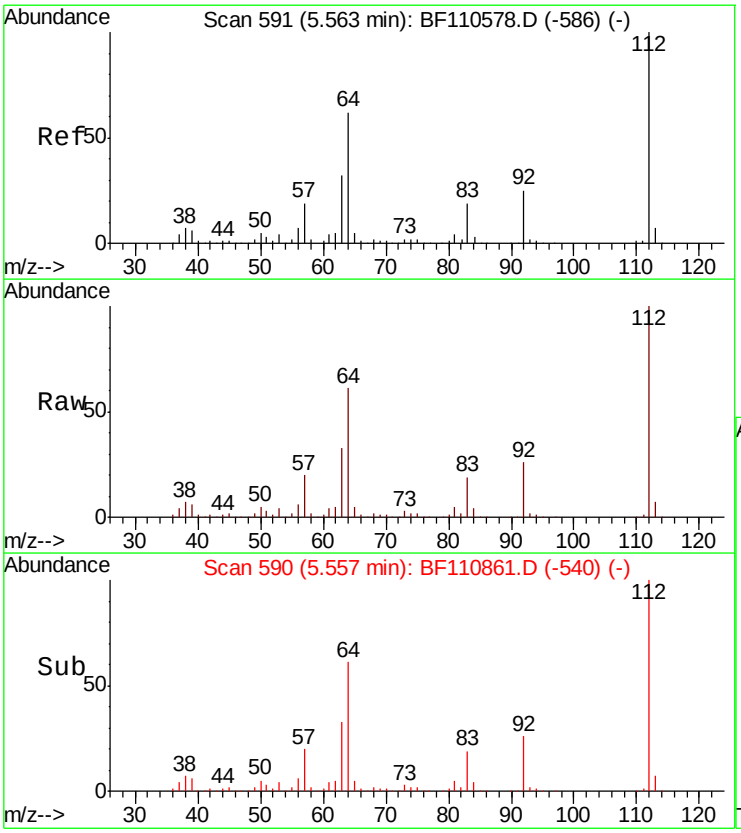

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:152 Resp: 56208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.5 | 122.7 | 184.1 |
| 115 | 67.3 | 49.1 | 73.7 |

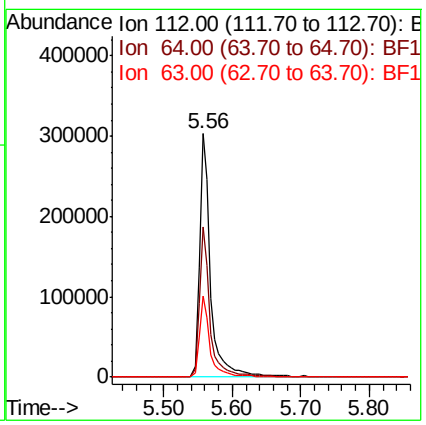


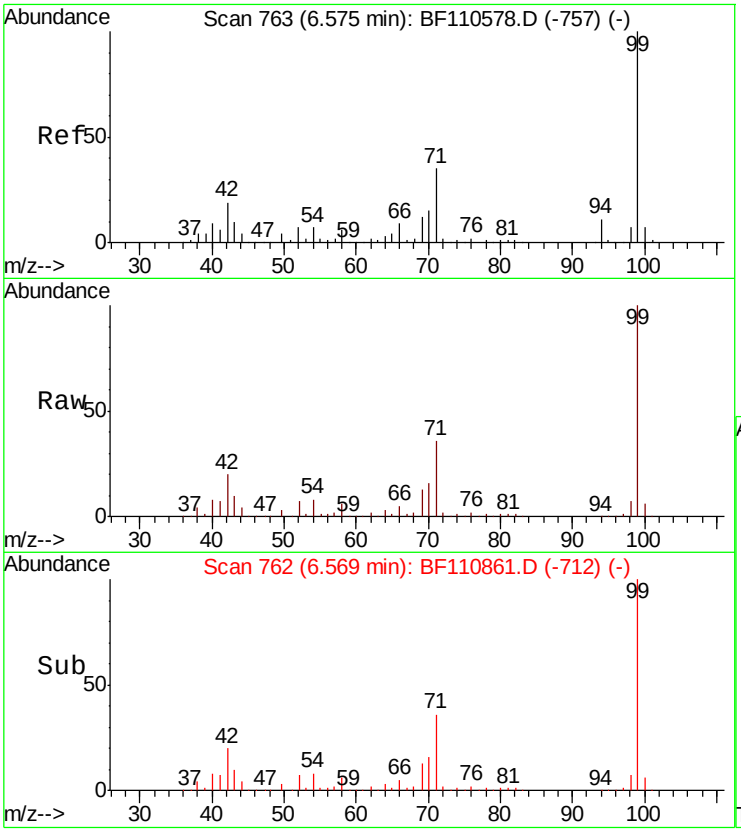




#5
2-Fluorophenol
Concen: 100.596 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:112 Resp: 348104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.4 | 44.1 | 66.1 |
| 63 | 33.3 | 23.7 | 35.5 |



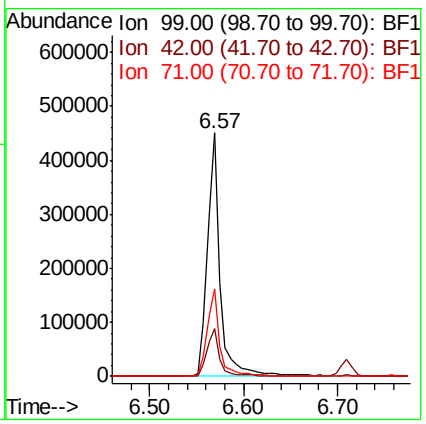


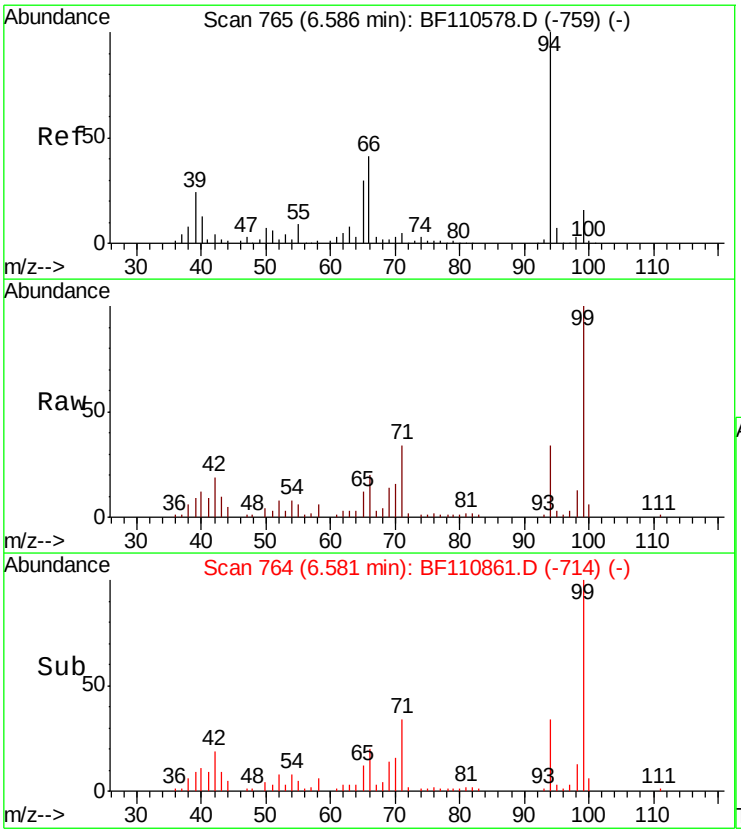

#7
Phenol-d6
Concen: 97.851 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion: 99 Resp: 432993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.5 | 15.8 | 23.6 |
| 71 | 35.9 | 28.0 | 42.0 |

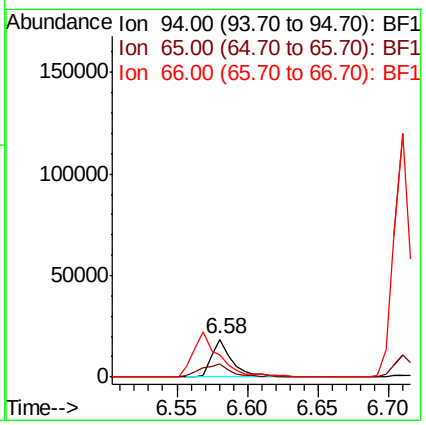


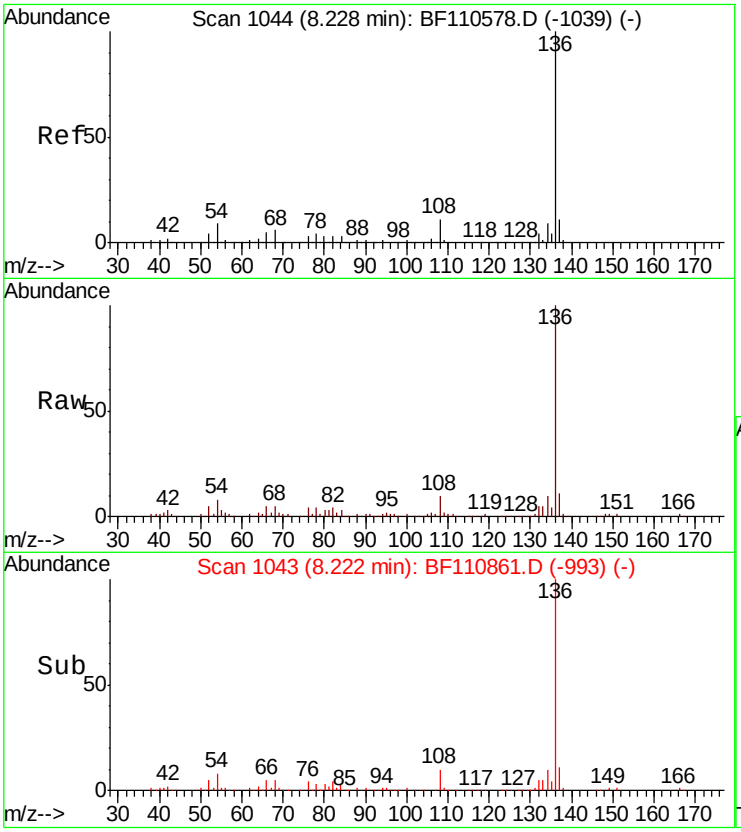




#10
Phenol
Concen: 3.736 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion: 94 Resp: 19168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.7 | 25.3 | 65.3 |
| 66 | 58.0 | 54.5 | 94.5 |



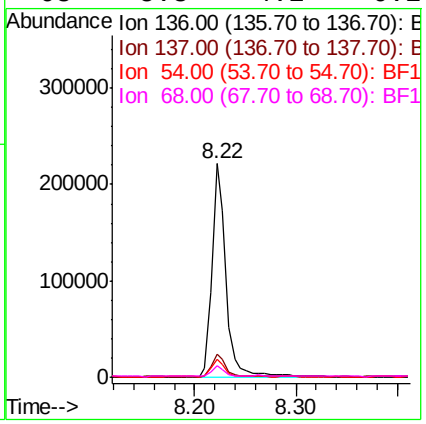


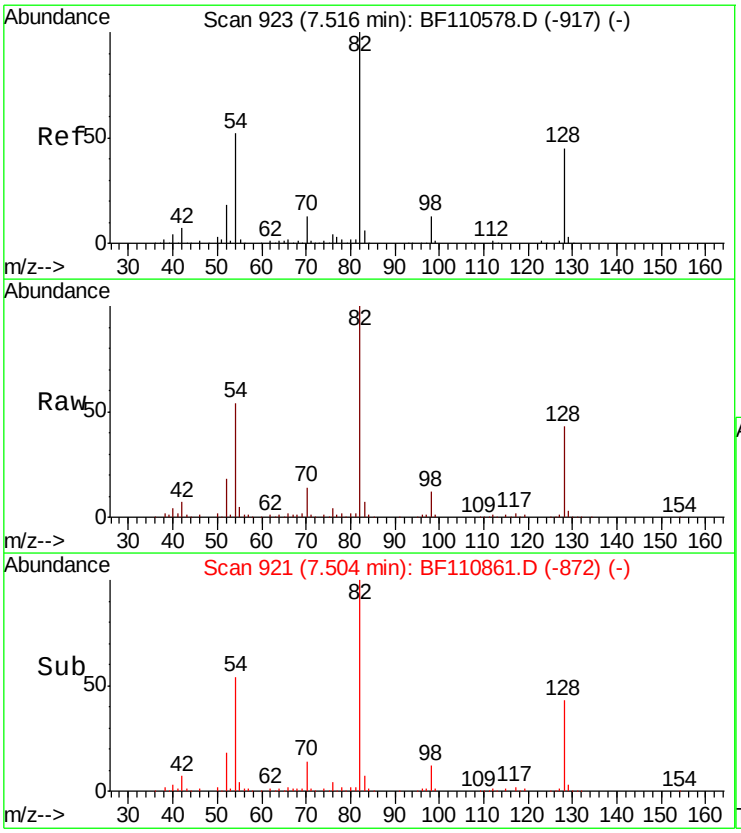

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:136 Resp: 214390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 8.4 | 5.4 | 8.2# |
| 68 | 5.3 | 4.2 | 6.2 |

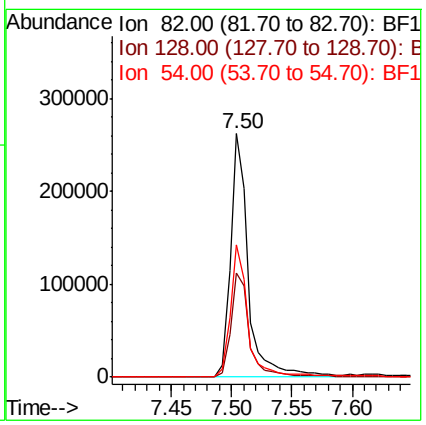


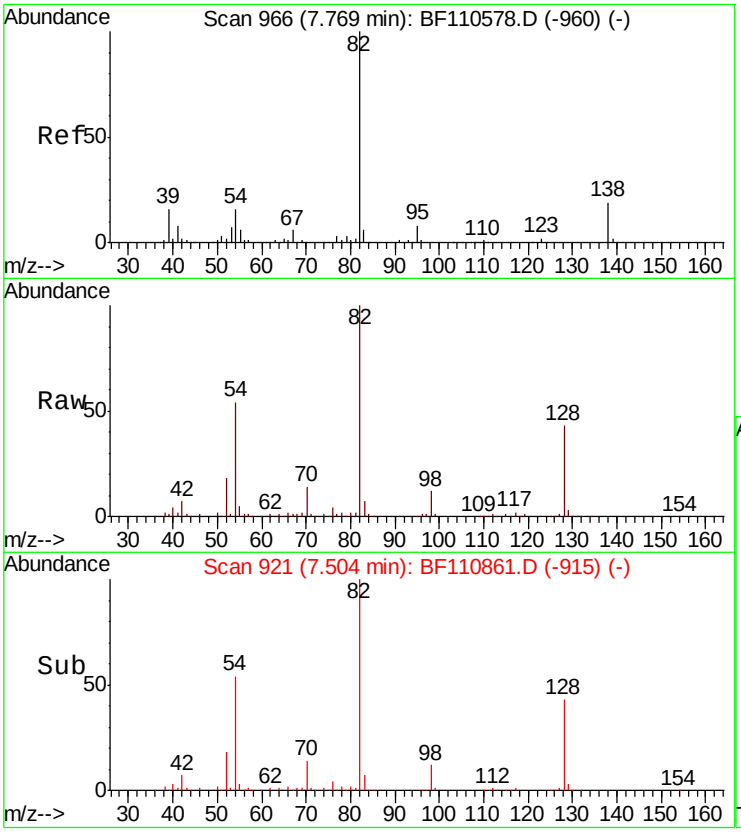




#23
Nitrobenzene-d5
Concen: 71.012 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion: 82 Resp: 264357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.8 | 34.2 | 51.2 |
| 54 | 54.5 | 38.6 | 58.0 |



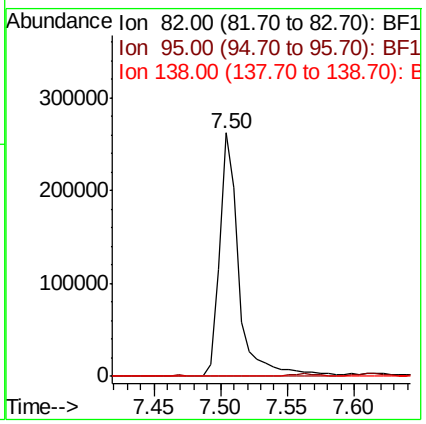


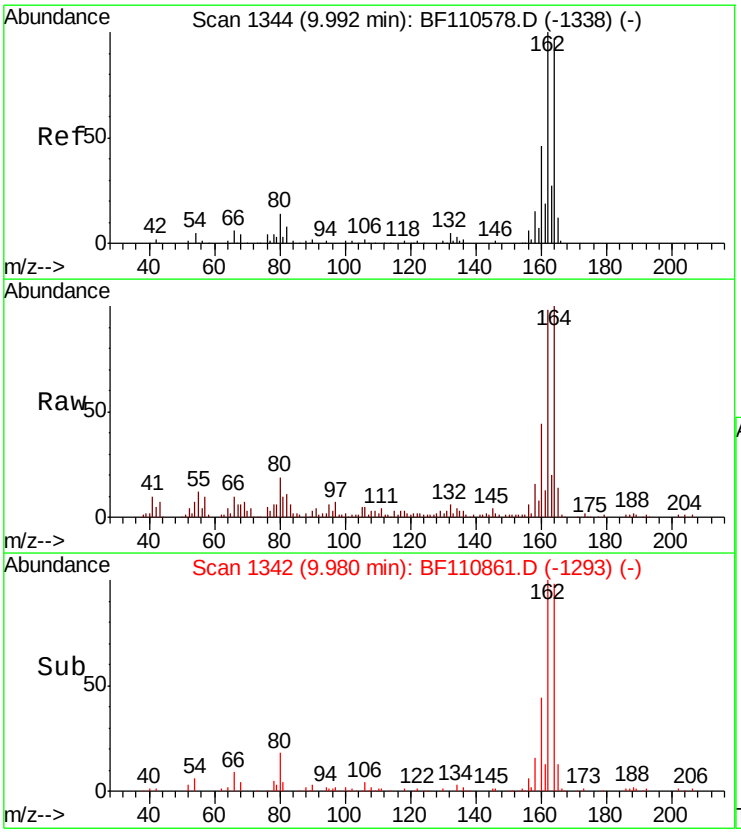

#25
Isophorone
Concen: 43.130 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion: 82 Resp: 263162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.4 | 5.7 | 8.5# |
| 138 | 0.0 | 13.2 | 19.8# |

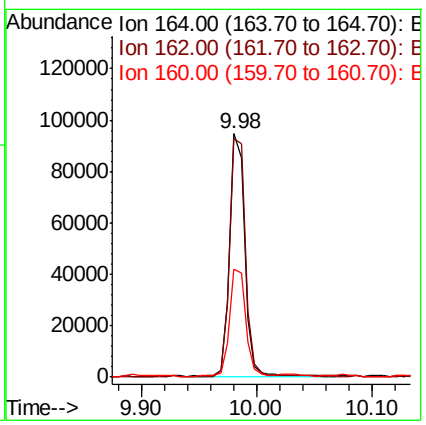


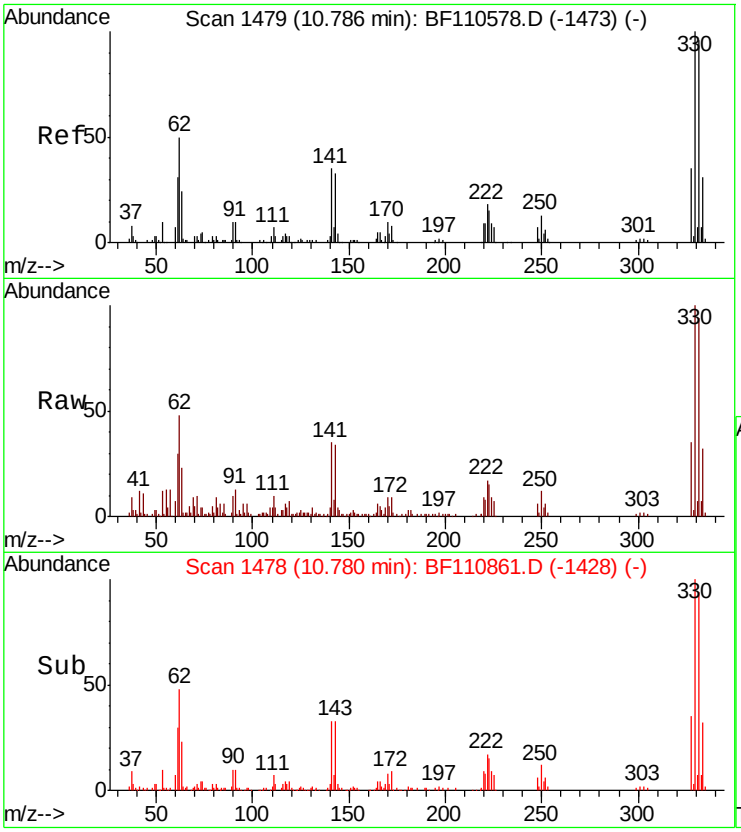




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:164 Resp: 88149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.1 | 83.0 | 124.6 |
| 160 | 44.3 | 37.0 | 55.6 |



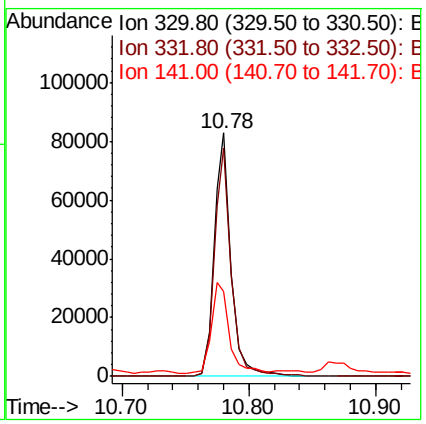


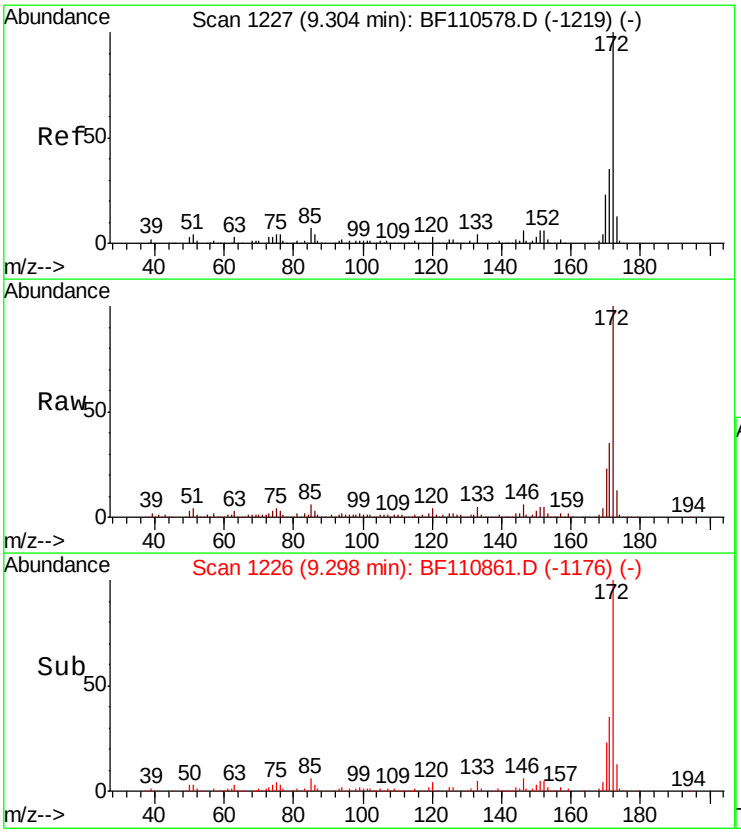

#42
2,4,6-Tribromophenol
Concen: 86.618 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:330 Resp: 76935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.3 | 77.1 | 115.7 |
| 141 | 39.8 | 27.0 | 40.4 |

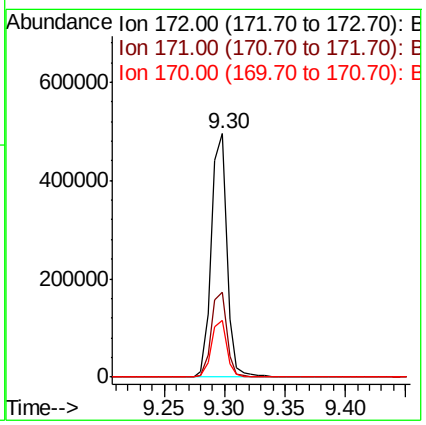


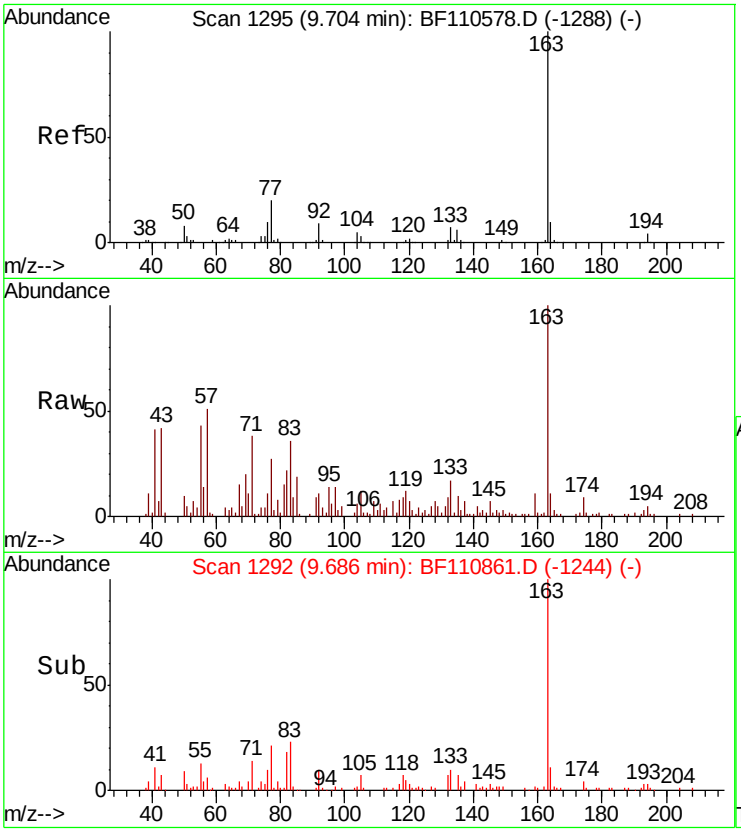




#45
2-Fluorobiphenyl
Concen: 71.173 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:172 Resp: 439291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.6 | 43.0 |
| 170 | 23.5 | 19.7 | 29.5 |



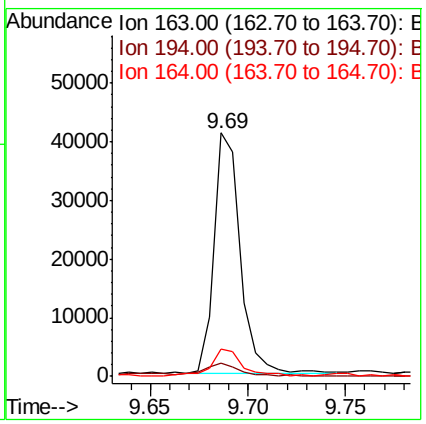


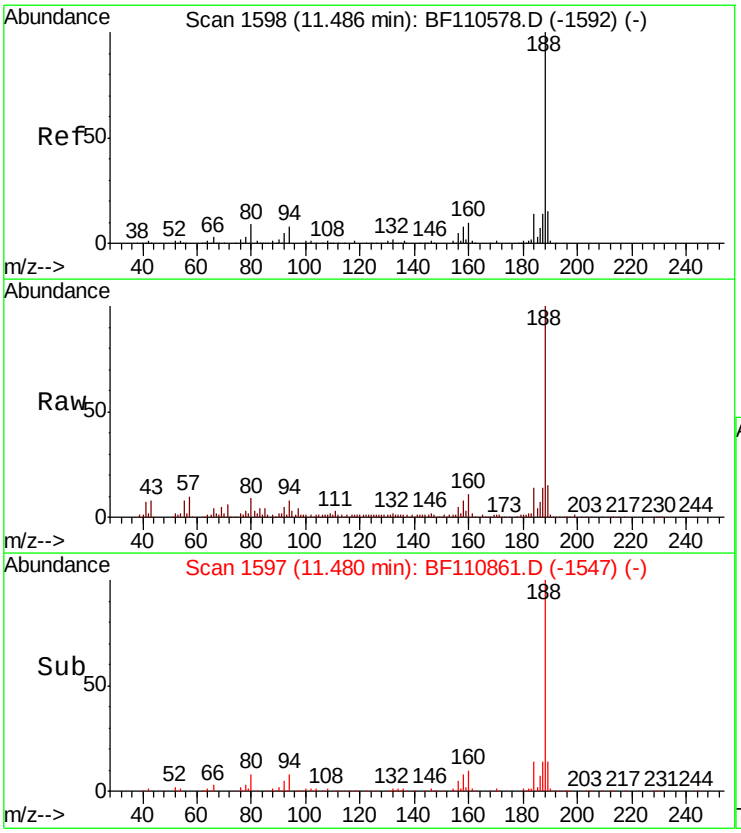

#50
Dimethylphthalate
Concen: 5.766 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:163 Resp: 37928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.2 | 3.2 | 4.8# |
| 164 | 11.2 | 8.1 | 12.1 |

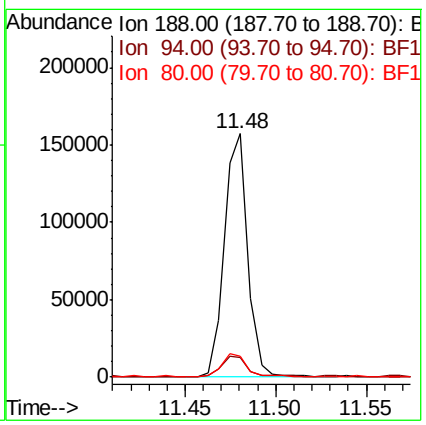


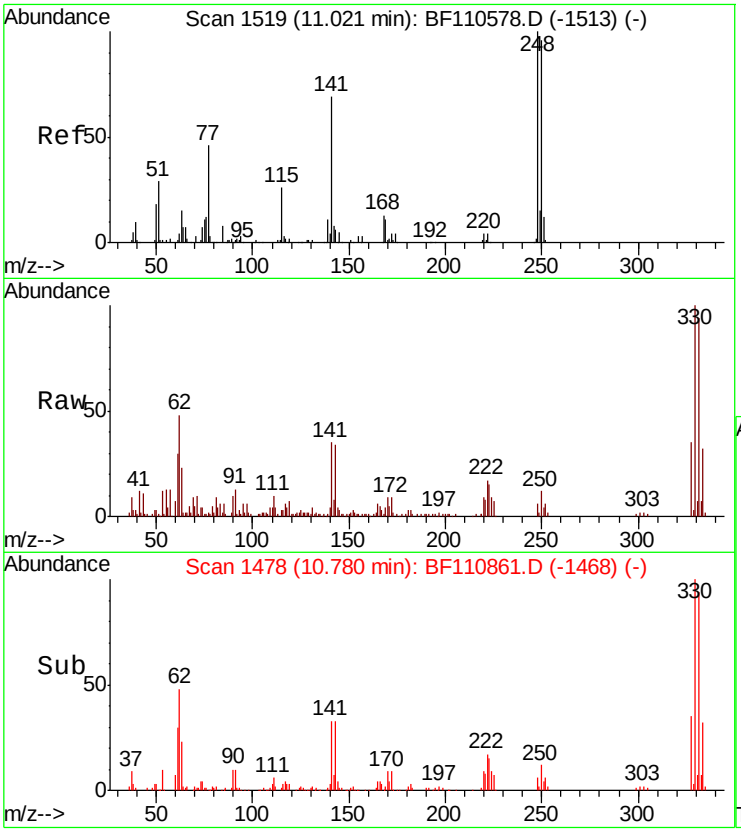




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:188 Resp: 141716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 7.2 | 10.8 |
| 80 | 8.8 | 7.9 | 11.9 |



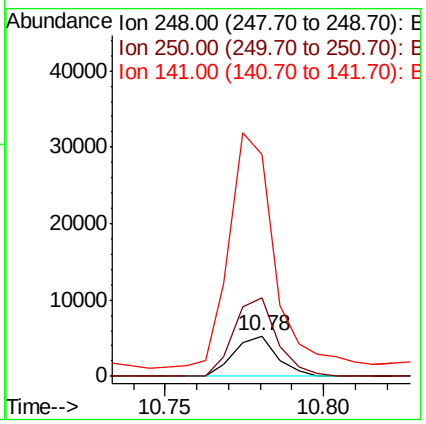


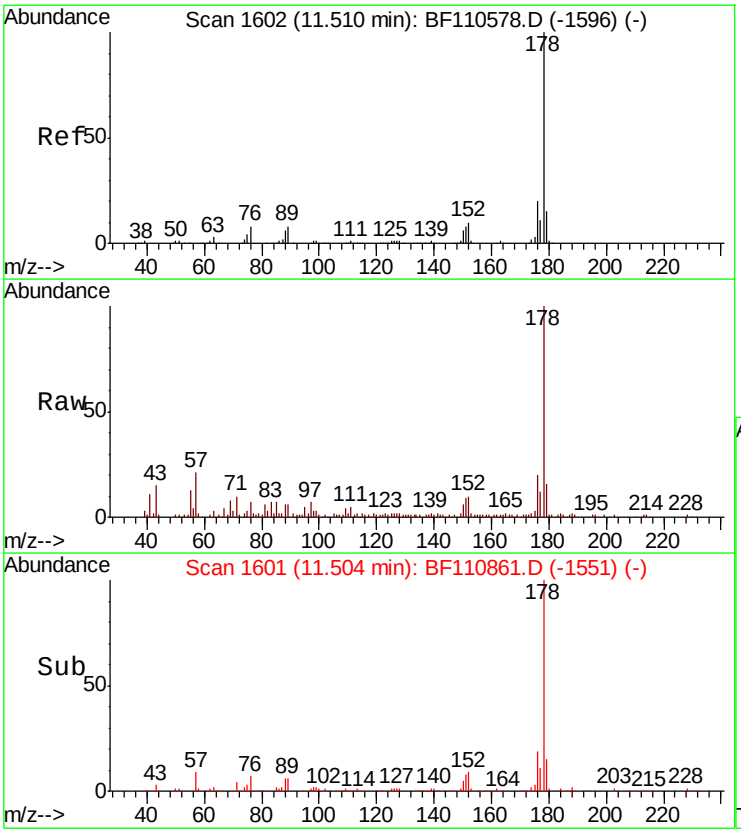

#67
4-Bromophenyl-phenylether
Concen: 3.206 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:248 Resp: 5022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.2 | 79.4 | 119.2# |
| 141 | 546.0 | 55.9 | 83.9# |

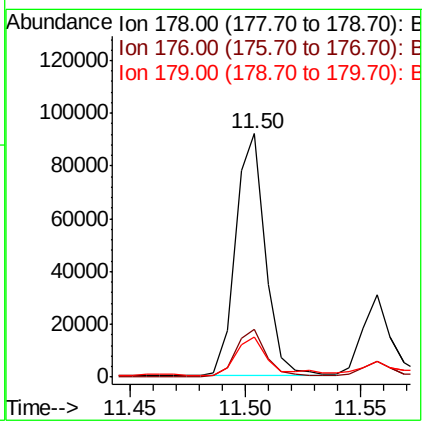


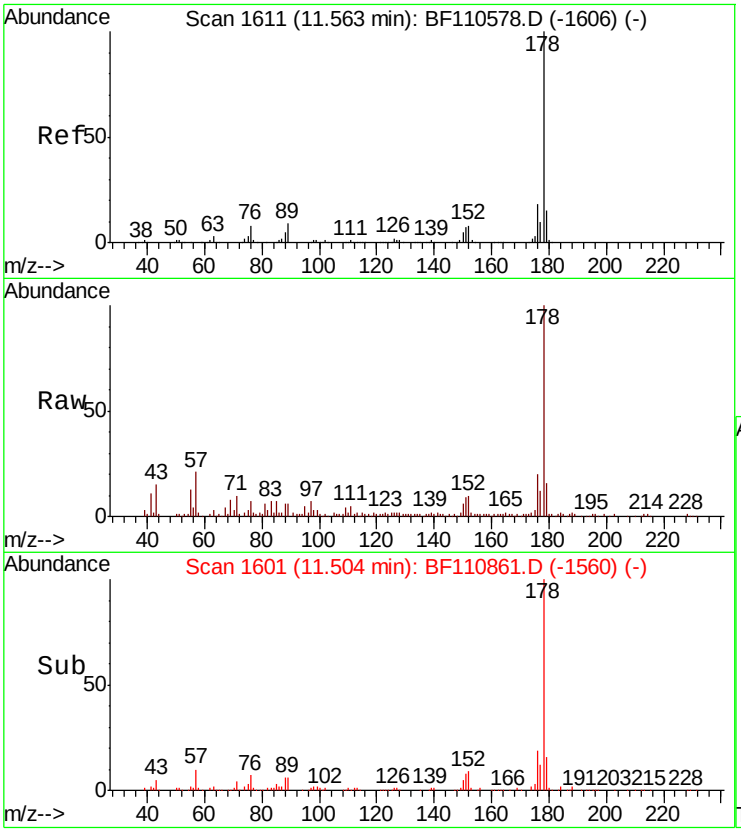




#71
Phenanthrene
Concen: 10.968 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:178 Resp: 83277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.5 | 23.3 |
| 179 | 16.5 | 12.5 | 18.7 |



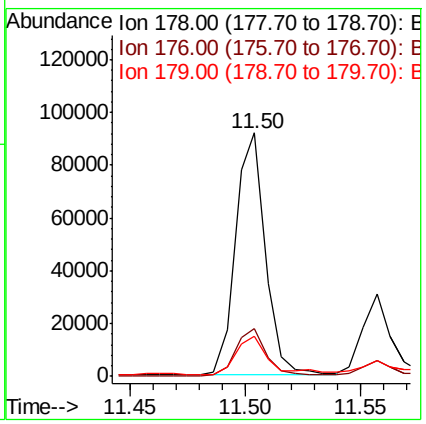


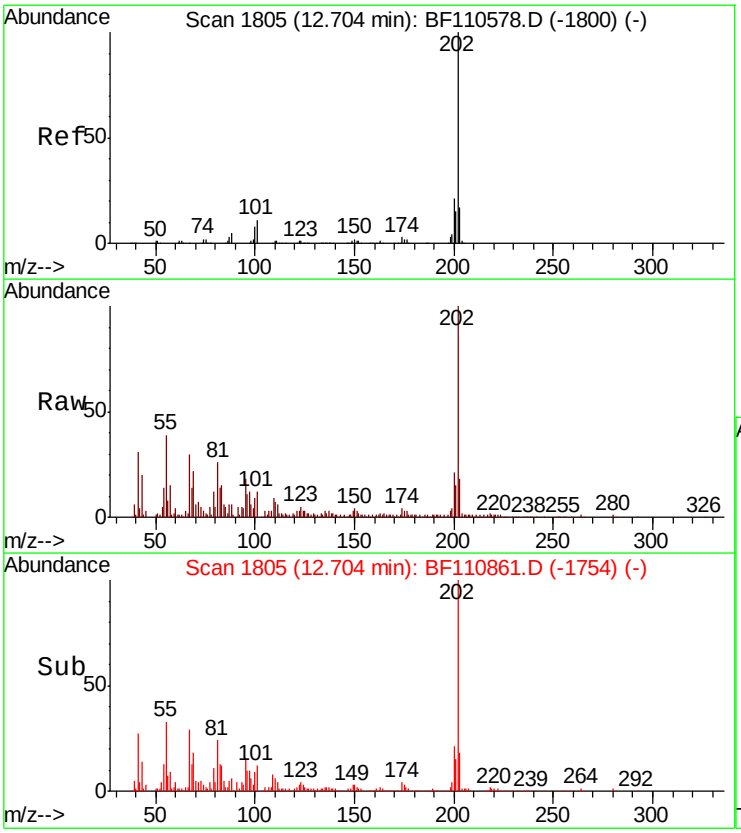

#72
Anthracene
Concen: 10.873 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:178 Resp: 83277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 16.5 | 12.6 | 18.8 |

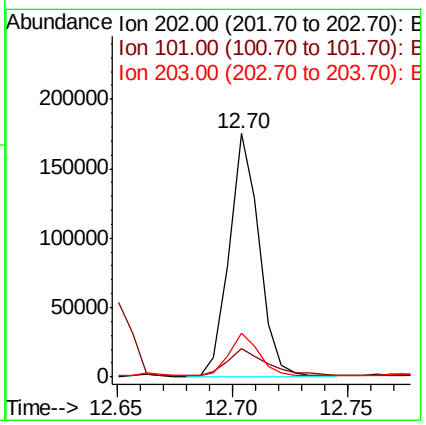


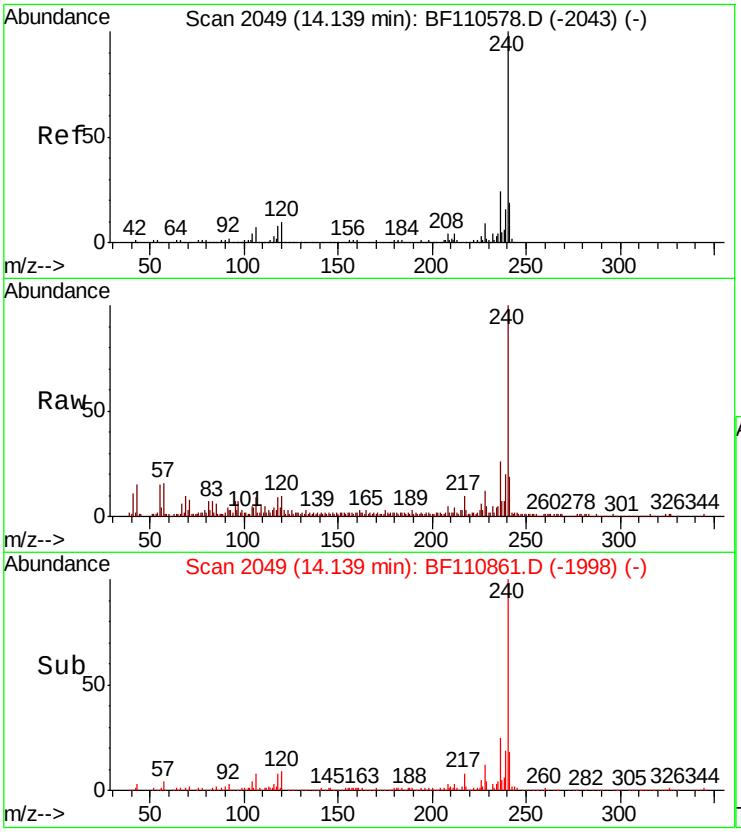




#75
Fluoranthene
Concen: 20.678 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:202 Resp: 157402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 31.4 |
| 203 | 17.9 | 0.0 | 37.7 |



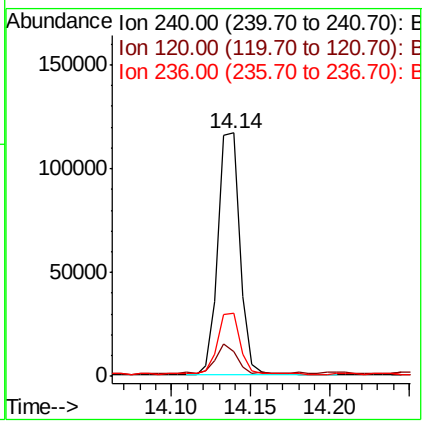


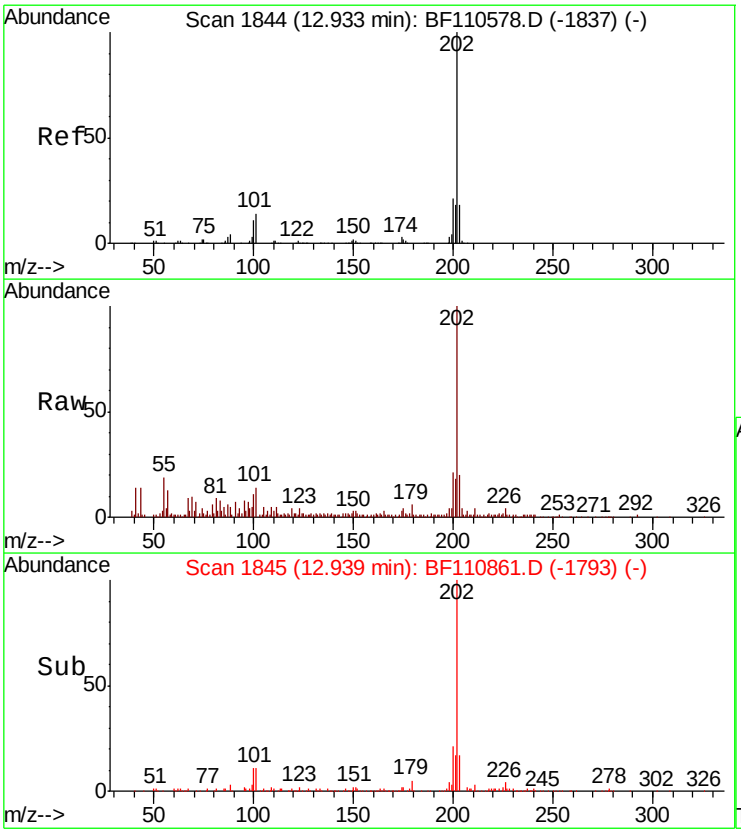

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:240 Resp: 112250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 8.3 | 12.5 |
| 236 | 25.7 | 21.2 | 31.8 |

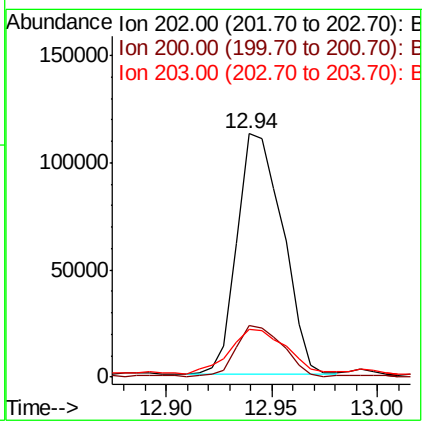


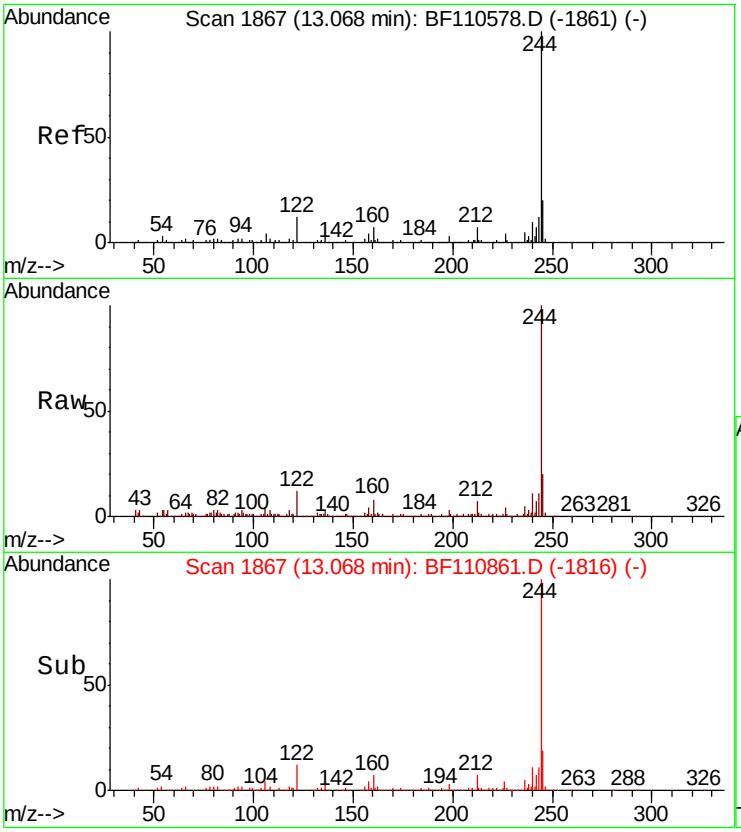




#78
Pyrene
Concen: 19.489 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:202 Resp: 168442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.8 | 26.6 |
| 203 | 19.7 | 14.2 | 21.4 |



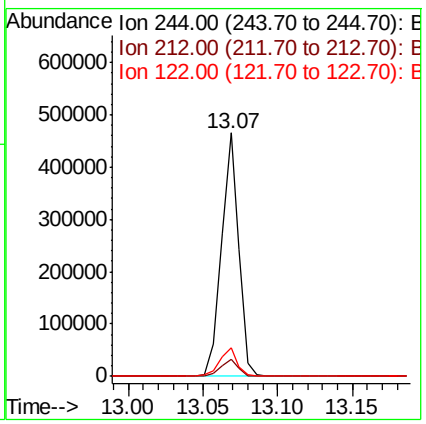


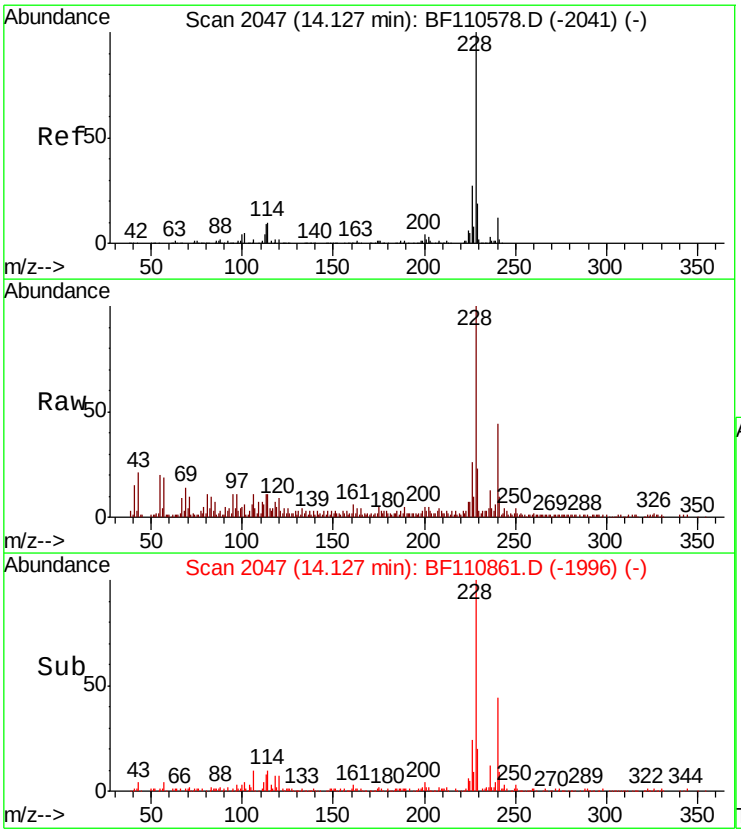

#79
Terphenyl-d14
Concen: 63.636 ng
RT: 13.07 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:244 Resp: 381422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.8 | 8.8 |
| 122 | 12.0 | 8.7 | 13.1 |

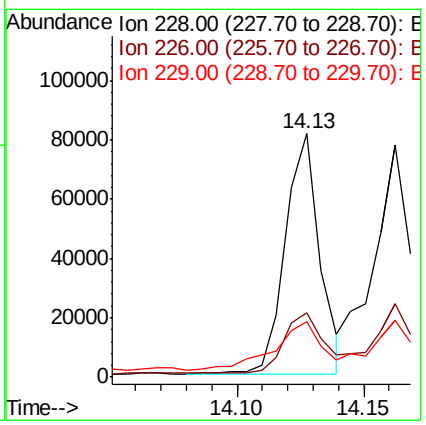


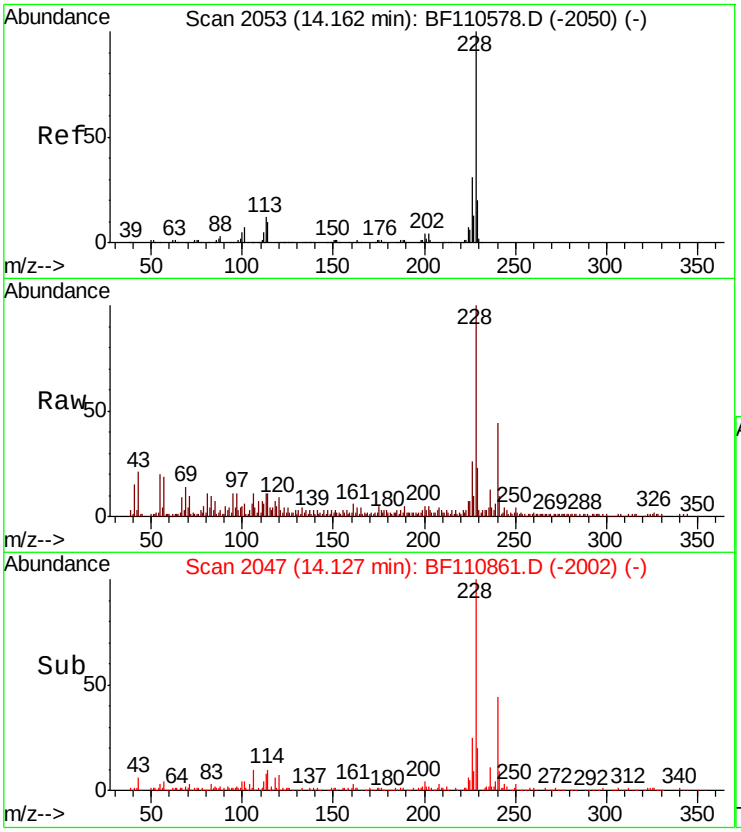




#81
Benzo(a)anthracene
Concen: 11.374 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:228 Resp: 76312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.3 | 22.1 | 33.1 |
| 229 | 22.6 | 15.6 | 23.4 |



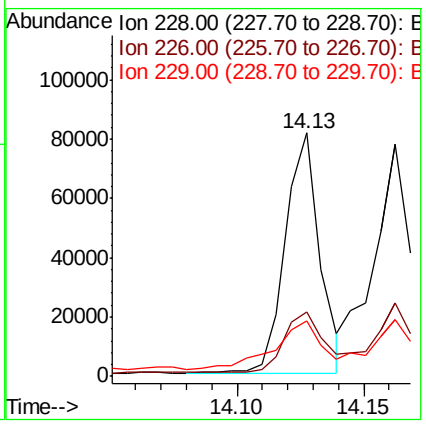


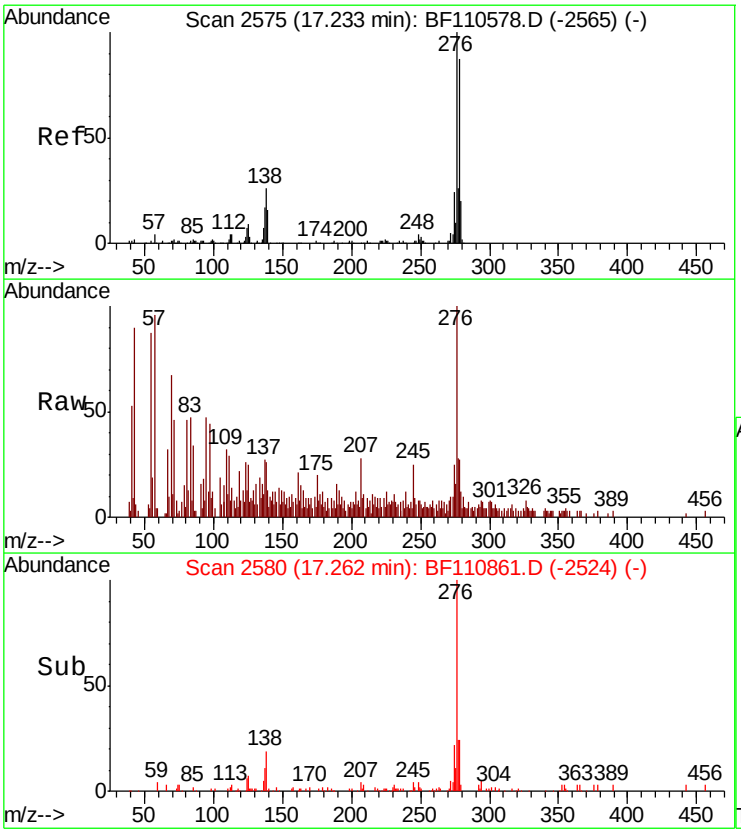

#83
Chrysene
Concen: 11.939 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.04 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:228 Resp: 76312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.3 | 24.7 | 37.1 |
| 229 | 22.6 | 15.9 | 23.9 |

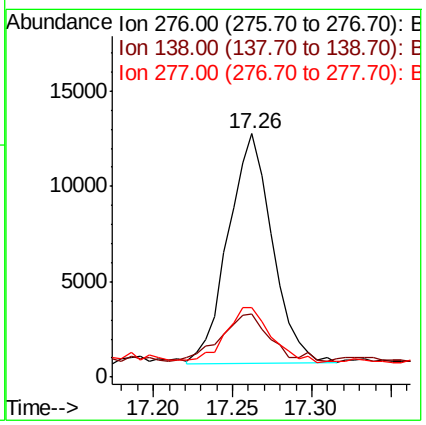


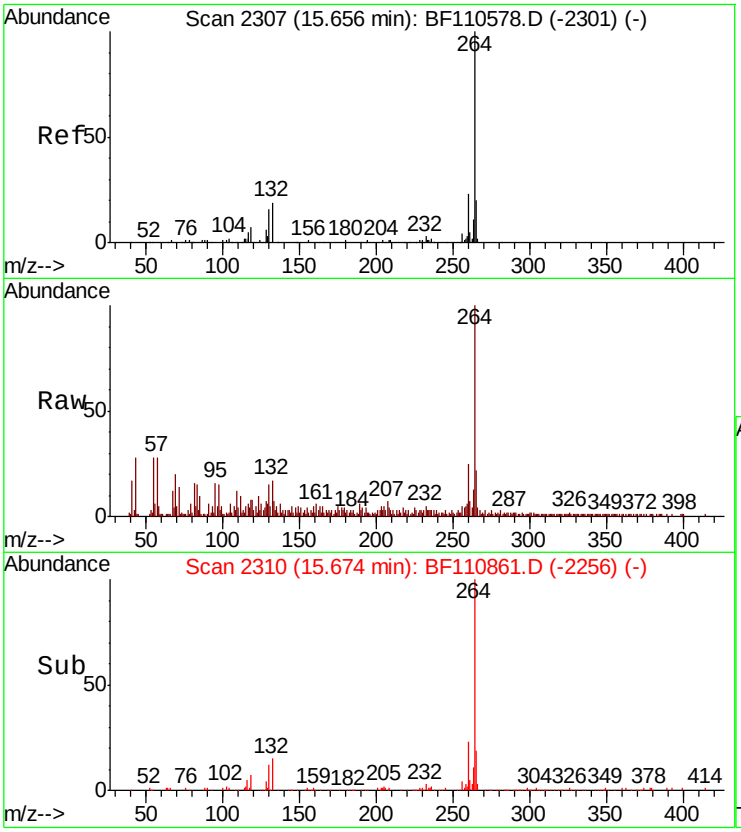




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.054 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.03 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:276 Resp: 23181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.8 | 18.5 | 27.7 |
| 277 | 26.6 | 20.0 | 30.0 |



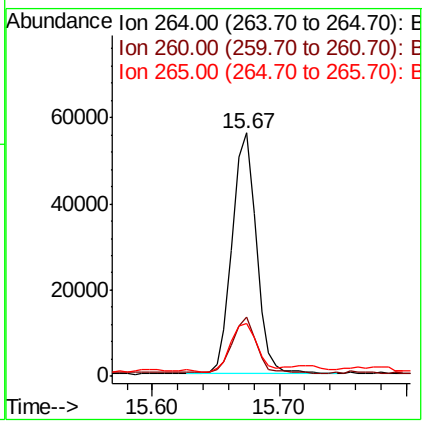


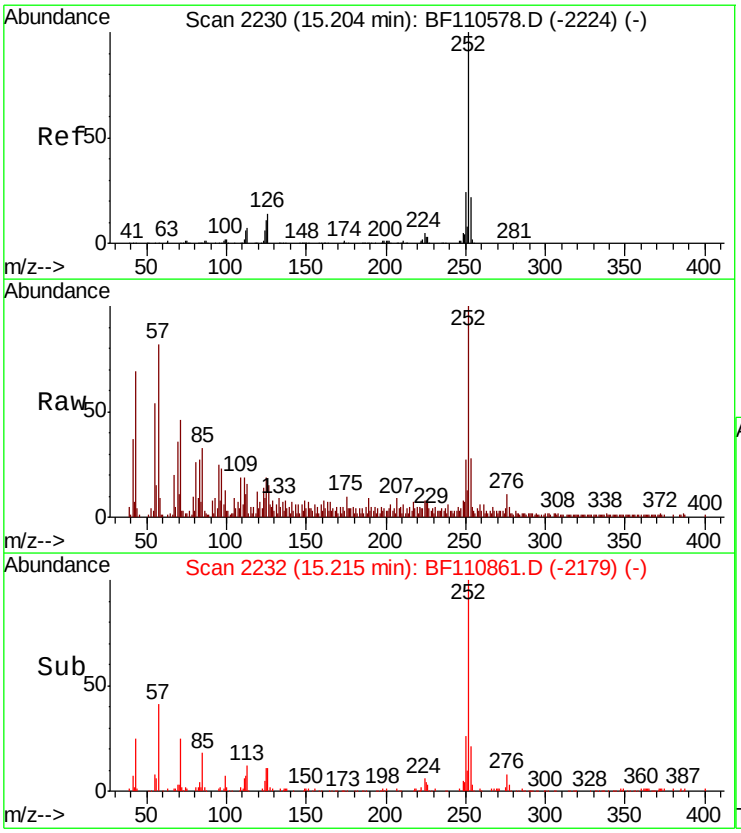

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:264 Resp: 73993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 18.7 | 28.1 |
| 265 | 22.0 | 16.7 | 25.1 |

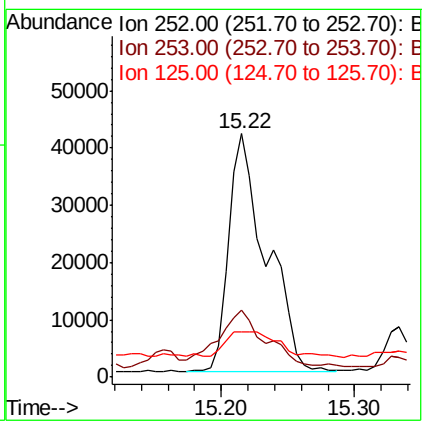


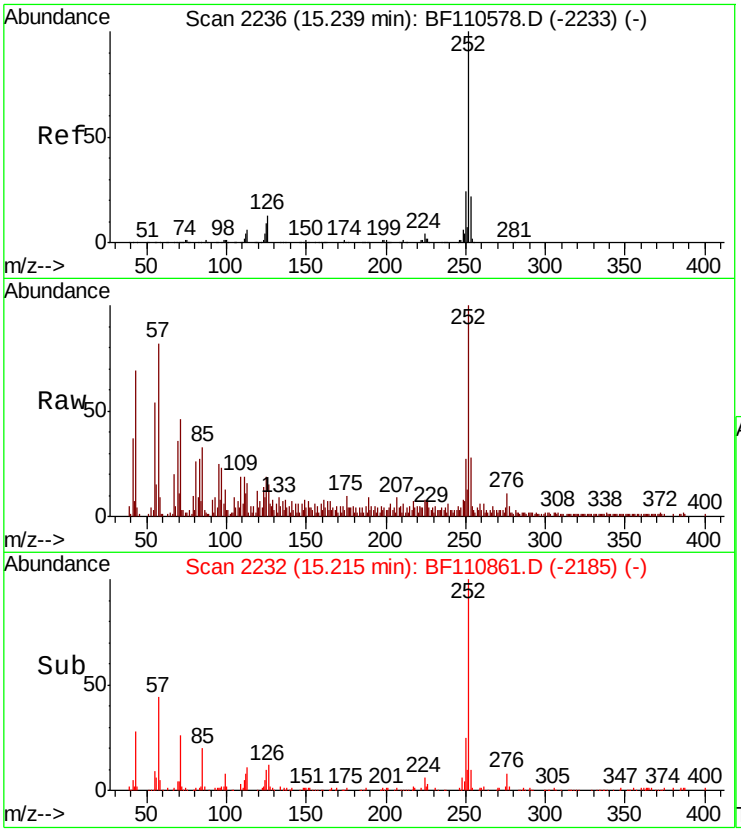




#88
Benzo(b)fluoranthene
Concen: 18.516 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:252 Resp: 81962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.6 | 17.2 | 25.8# |
| 125 | 18.6 | 8.2 | 12.4# |



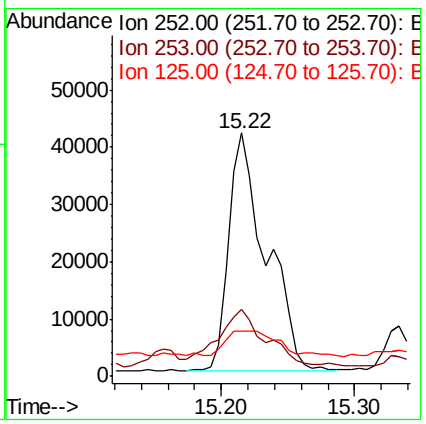


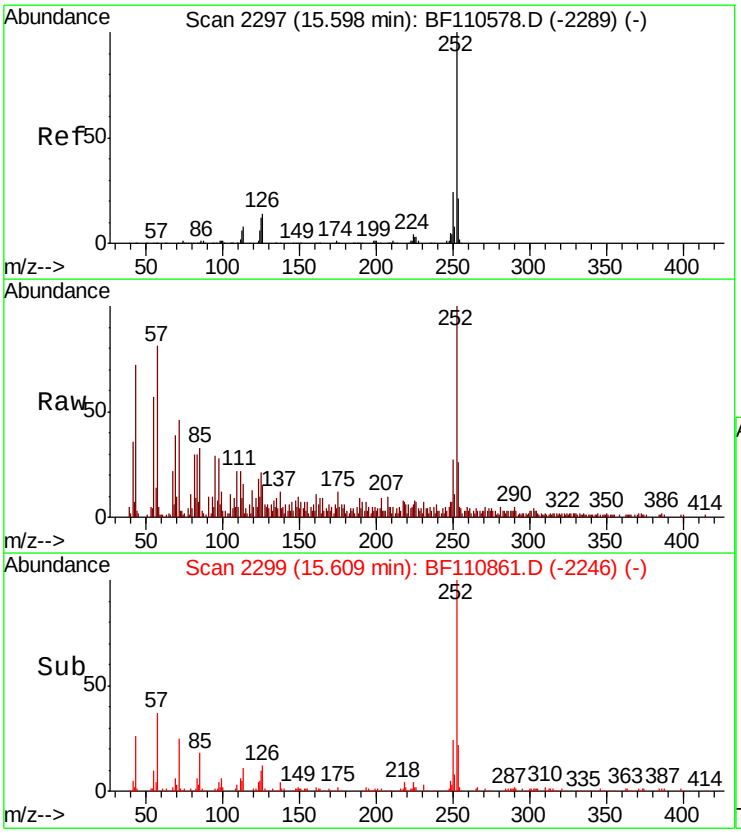

#89
Benzo(k)fluoranthene
Concen: 18.739 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:252 Resp: 81962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.6 | 17.2 | 25.8# |
| 125 | 18.6 | 7.4 | 11.0# |

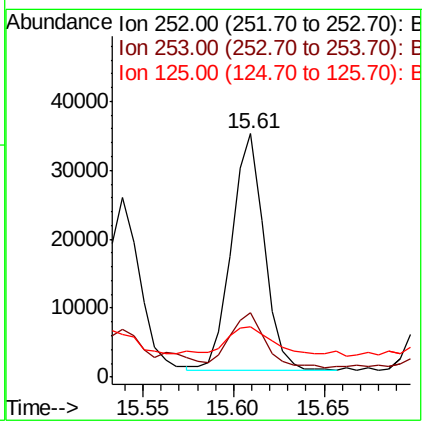


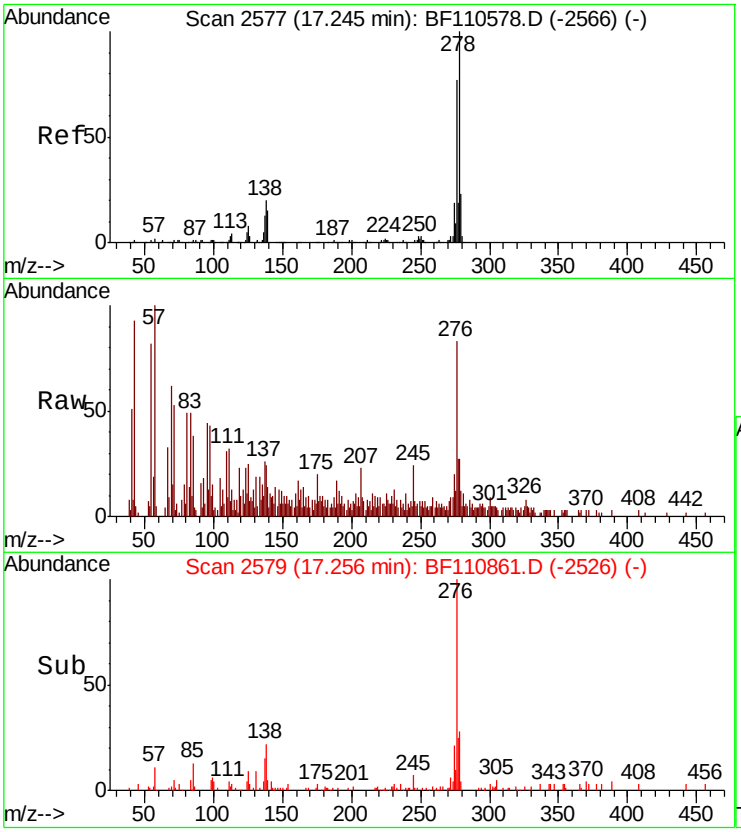




#90
Benzo(a)pyrene
Concen: 10.815 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:252 Resp: 43494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 18.2 | 27.4 |
| 125 | 20.8 | 9.0 | 13.6# |



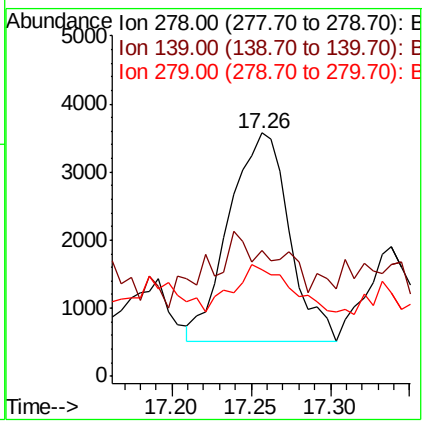


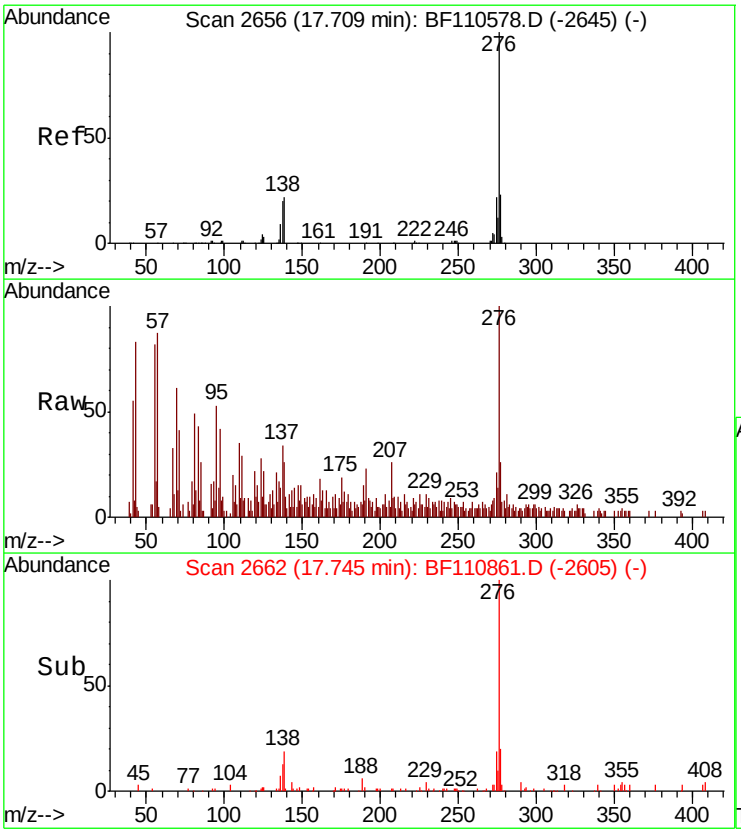

#91
Dibenzo(a,h)anthracene
Concen: 2.368 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-111618

Tgt Ion:278 Resp: 8059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 51.9 | 12.7 | 19.1# |
| 279 | 43.9 | 19.0 | 28.4# |




#92
Benzo(g,h,i)perylene
Concen: 7.806 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.04 min
Lab File: BF110861.D
Acq: 19 Nov 2018 18:53

Tgt Ion:276 Resp: 26359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.8 | 18.8 | 28.2 |
| 138 | 26.1 | 16.0 | 24.0# |