Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010320\

Quantitation Report (Not Reviewed)

Data File : BF118467.D
Acq On : 3 Jan 2020 20:05
Operator : JU
Sample : K6472-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K309-WC-01

Quant Time: Jan 04 00:06:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 65194 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 319762 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 177818 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 275622 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.04 | 240 | 189520 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 199239 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 345420 | 90.44 | ng | | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 459806 | 97.05 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 334448 | 59.82 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 170253 | 77.53 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 727025 | 62.41 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.97 | 244 | 694648 | 60.81 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.49 | 94 | 12267 | 2.304 | ng | # | 42 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 45483 | 15.583 | ng | # | 79 |
| 25) Isophorone | 7.41 | 82 | 334475 | 34.328 | ng | # | 62 |
| 50) Dimethylphthalate | 9.60 | 163 | 57336 | 4.296 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.89 | 165 | 22064 | 7.667 | ng | # | 26 |
| 57) 2,4-Dinitrotoluene | 9.89 | 165 | 22064 | 5.738 | ng | # | 29 |
| 67) 4-Bromophenyl-phenylether | 10.69 | 248 | 10624 | 3.294 | ng | # | 1 |
| 71) Phenanthrene | 11.41 | 178 | 84626 | 5.632 | ng | | 98 |
| 75) Fluoranthene | 12.61 | 202 | 171138 | 11.286 | ng | | 99 |
| 78) Pyrene | 12.84 | 202 | 152570 | 9.858 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.03 | 228 | 87693 | 6.610 | ng | | 98 |
| 83) Chrysene | 14.07 | 228 | 73594 | 5.794 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 17.04 | 276 | 51642 | 4.771 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 137220 | 10.375 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 137220 | 10.806 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 83364 | 7.155 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.50 | 276 | 47401 | 4.853 | ng | | 96 |

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

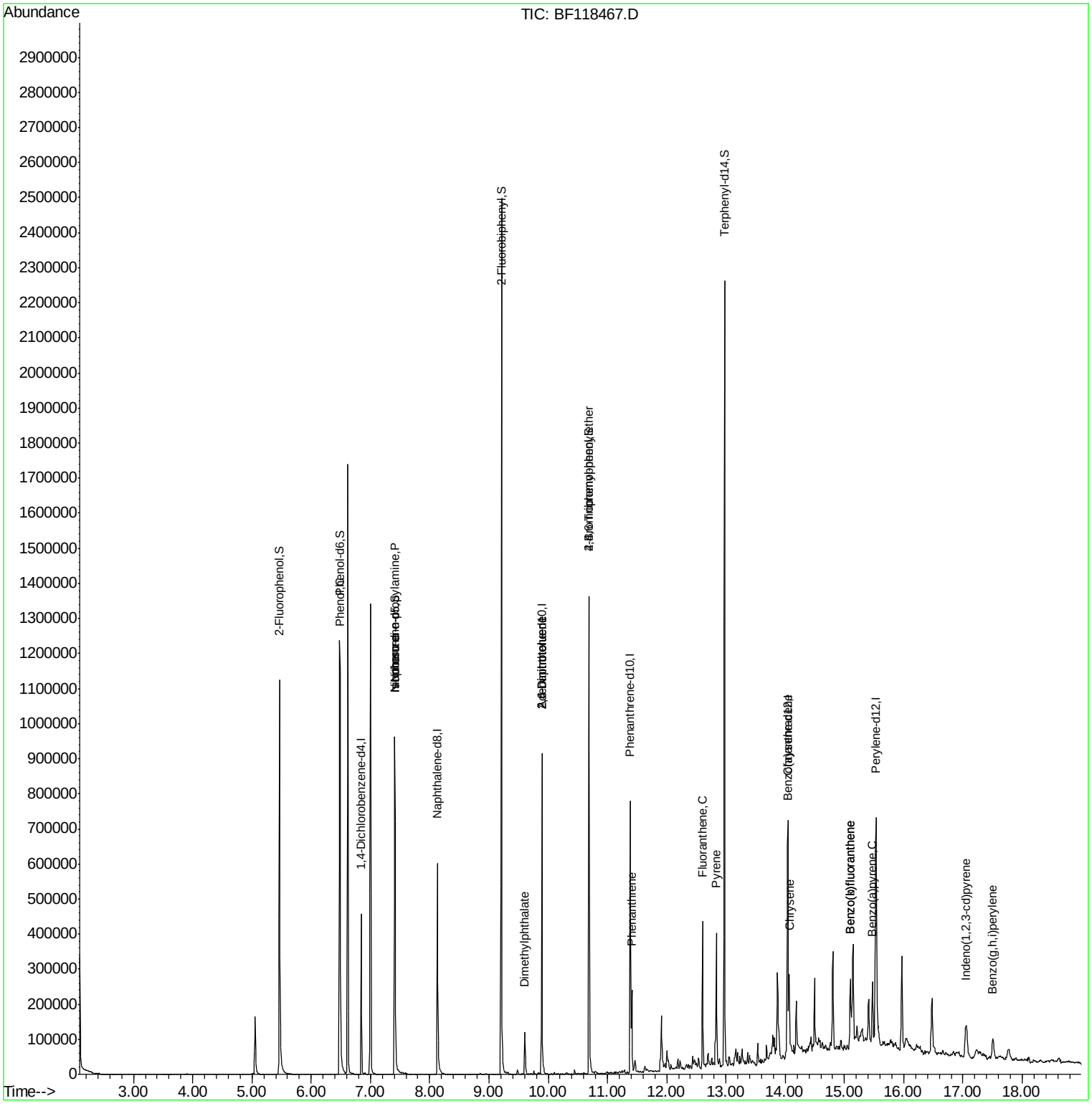
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010320\

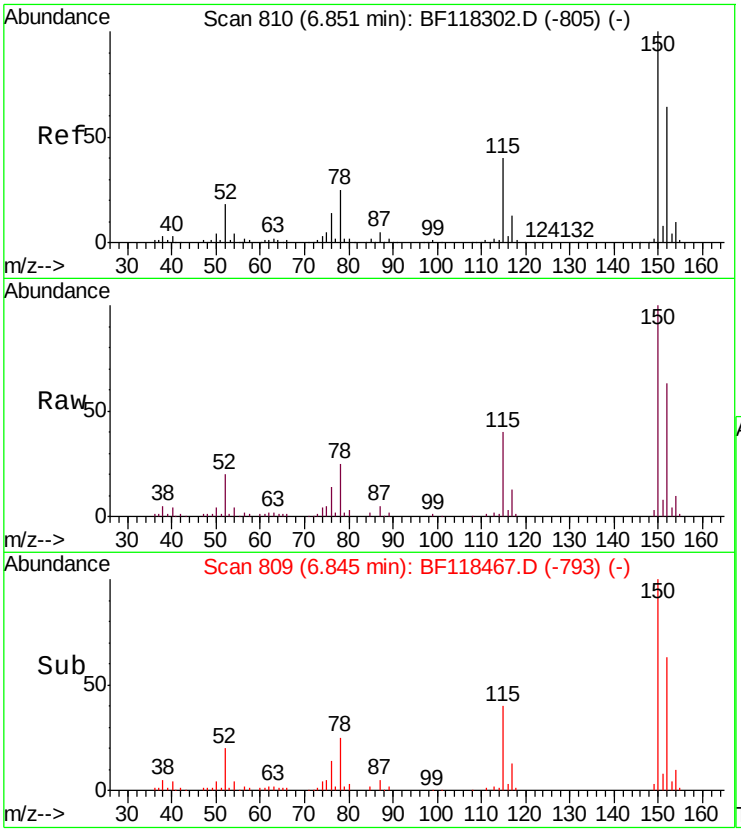
Quantitation Report (Not Reviewed)

Data File : BF118467.D
Acq On : 3 Jan 2020 20:05
Operator : JU
Sample : K6472-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** K309-WC-01

Quant Time: Jan 04 00:06:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration



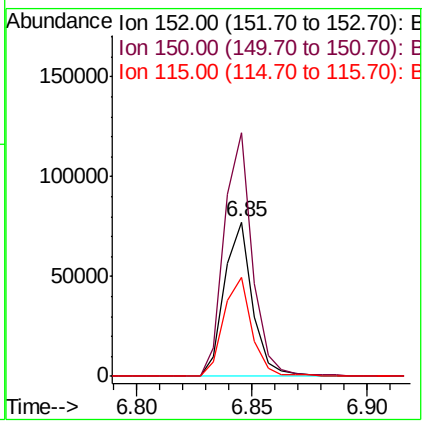


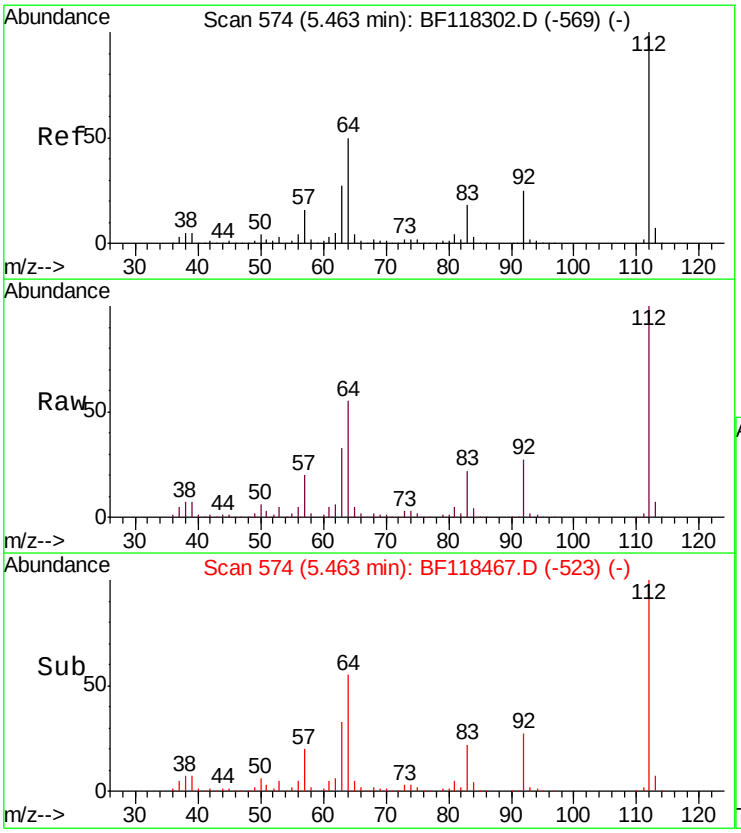

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:152 Resp: 65194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 125.4 | 188.2 |
| 115 | 63.9 | 50.2 | 75.4 |

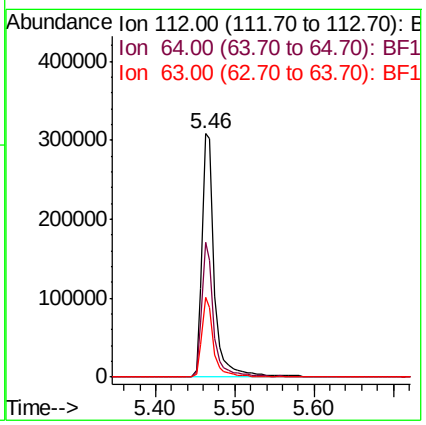


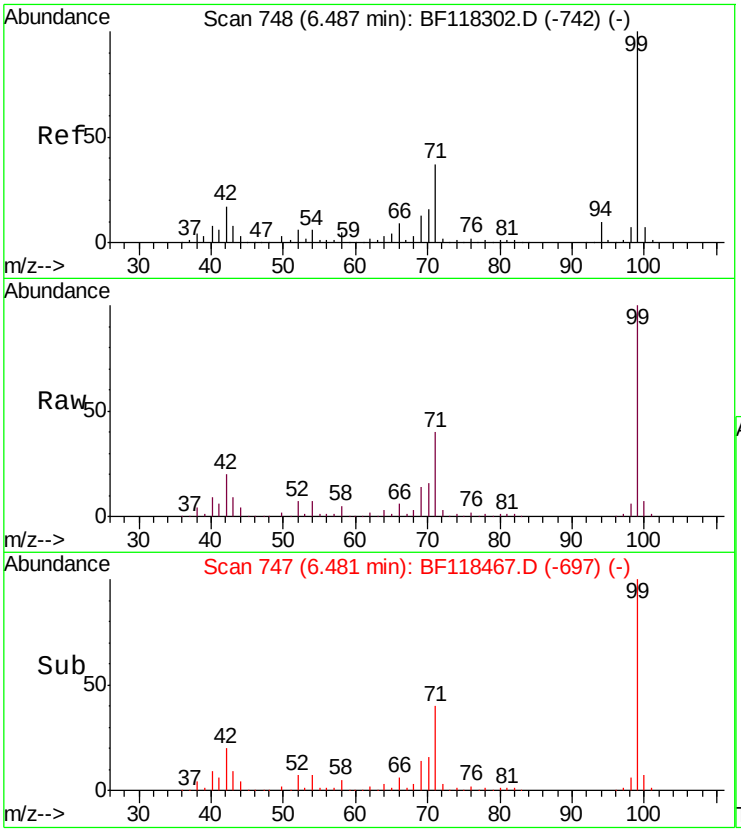




#5
2-Fluorophenol
Concen: 90.442 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:112 Resp: 345420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.2 | 39.7 | 59.5 |
| 63 | 32.8 | 21.7 | 32.5# |



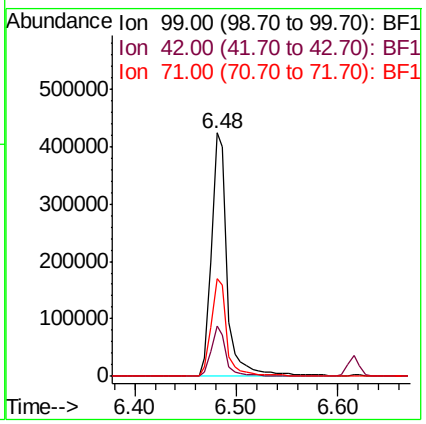


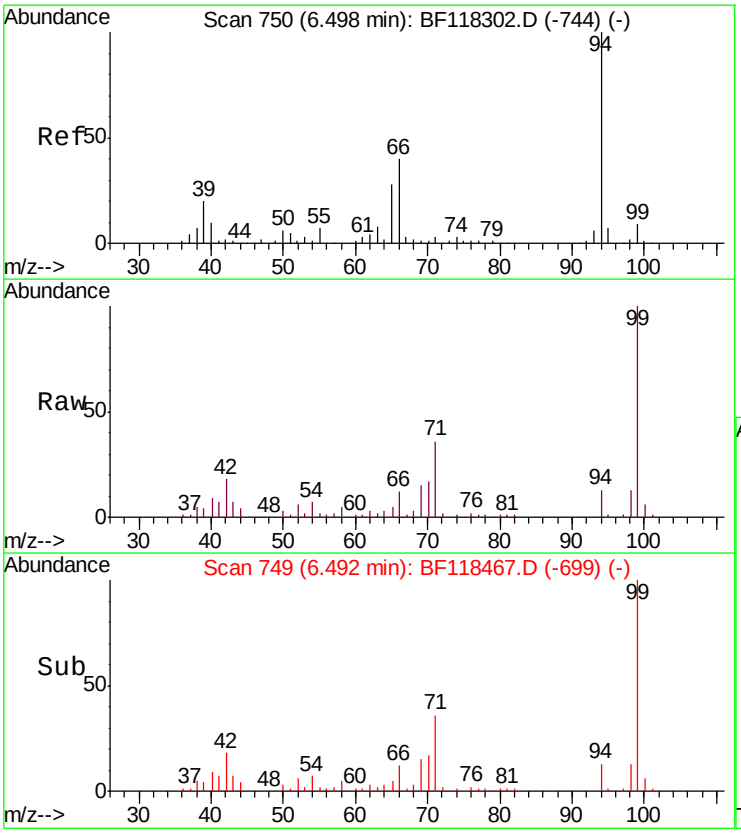

#7
Phenol-d6
Concen: 97.049 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion: 99 Resp: 459806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 13.5 | 20.3# |
| 71 | 40.4 | 29.4 | 44.2 |

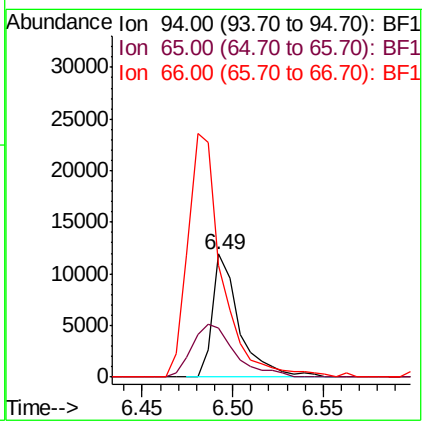


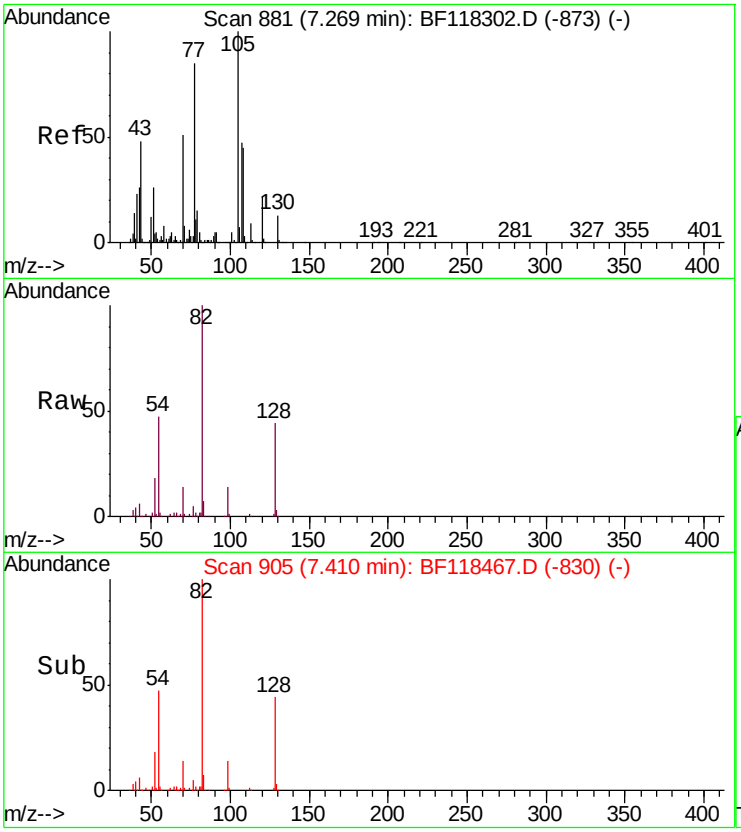




#10
Phenol
Concen: 2.304 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion: 94 Resp: 12267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.2 | 7.8 | 47.8 |
| 66 | 91.1 | 20.4 | 60.4# |



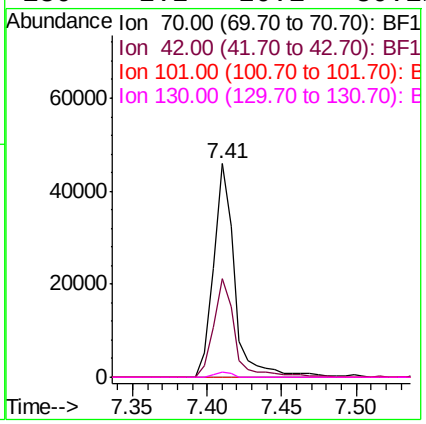


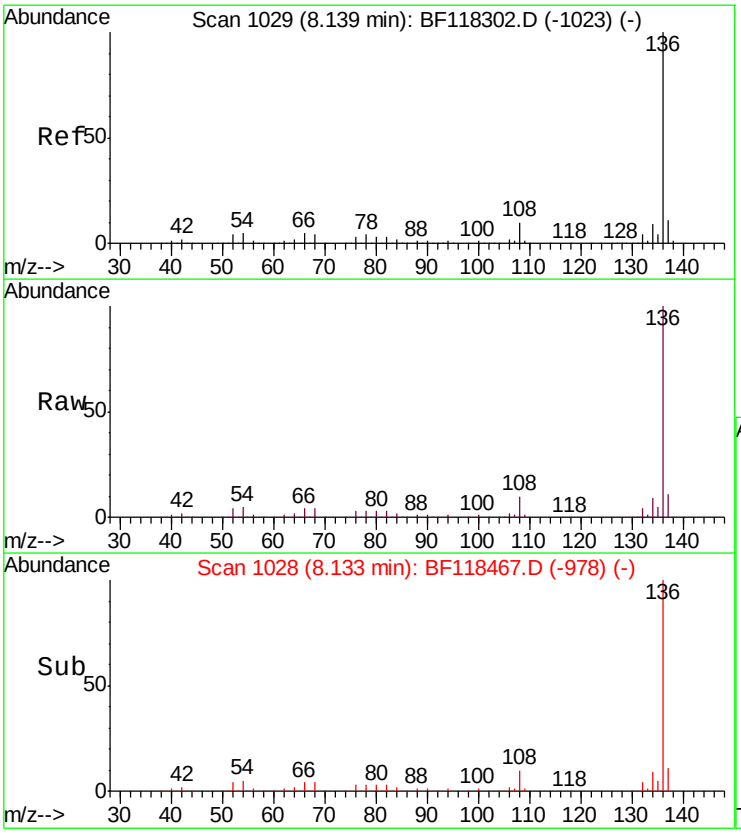

#19
n-Nitroso-di-n-propylamine
Concen: 15.583 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion: 70 Resp: 45483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.2 | 41.1 | 61.7 |
| 101 | 0.0 | 8.3 | 12.5# |
| 130 | 2.2 | 20.1 | 30.1# |

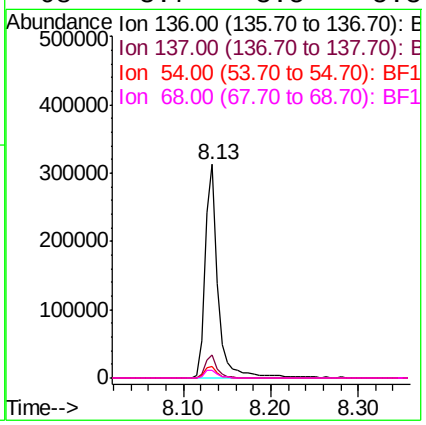


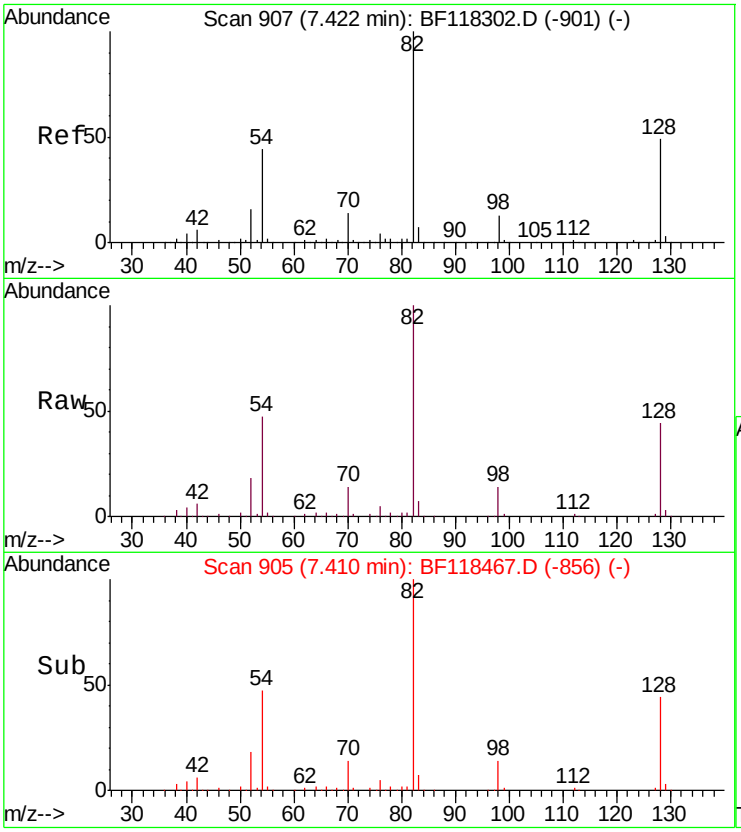




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:136 Resp: 319762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.9 | 13.3 |
| 54 | 5.3 | 4.2 | 6.4 |
| 68 | 3.7 | 3.5 | 5.3 |



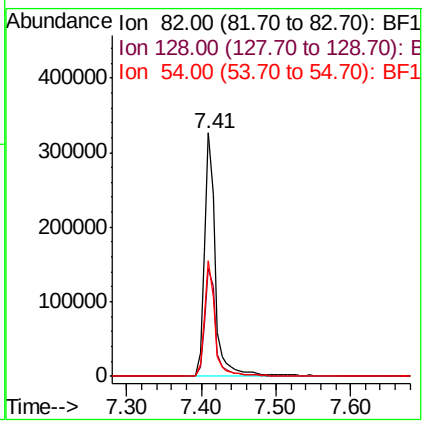


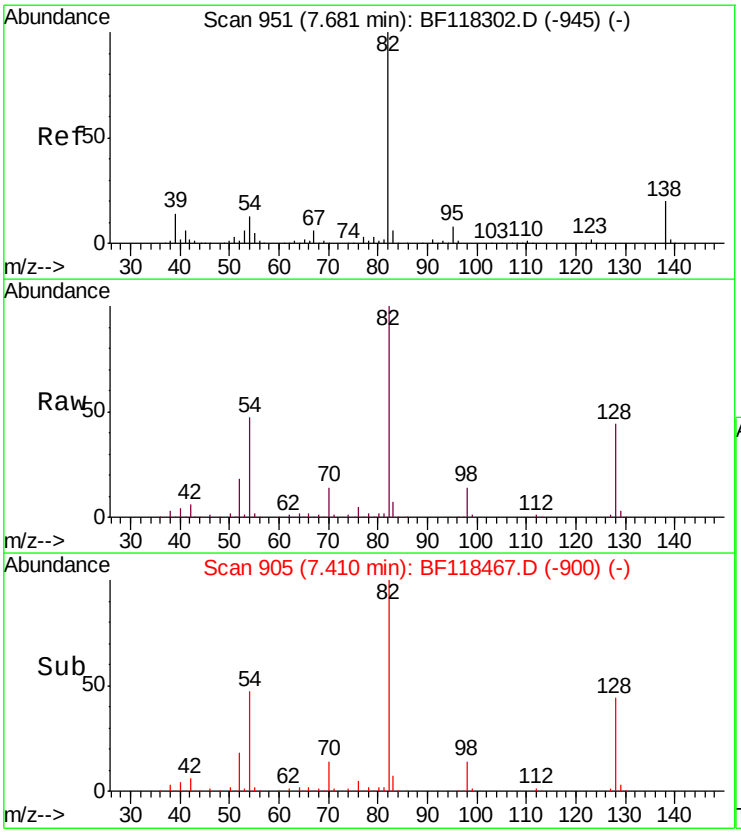

#23
Nitrobenzene-d5
Concen: 59.822 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion: 82 Resp: 334448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 39.6 | 59.4 |
| 54 | 47.4 | 34.9 | 52.3 |

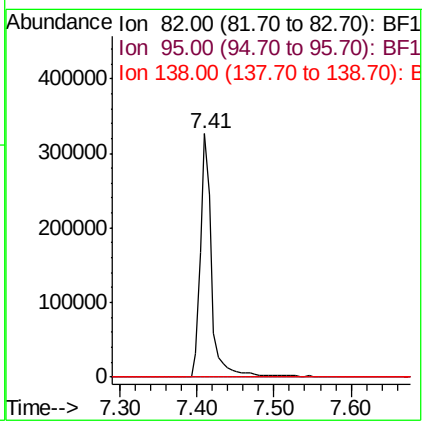


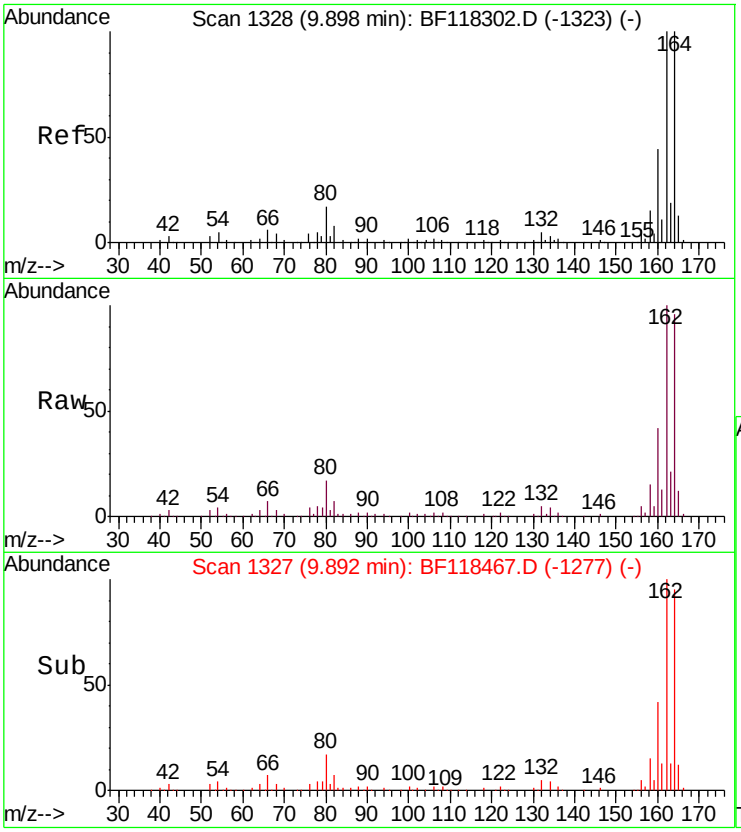




#25
Isophorone
Concen: 34.328 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion: 82 Resp: 334475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 6.3 | 9.5# |
| 138 | 0.0 | 16.2 | 24.2# |



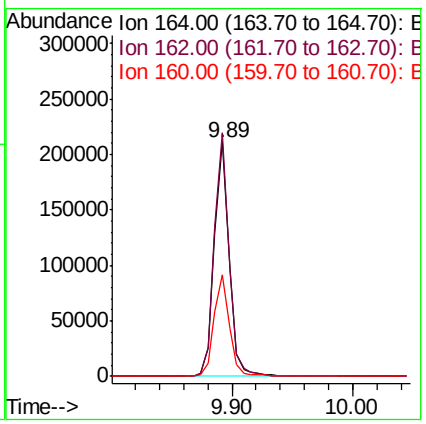


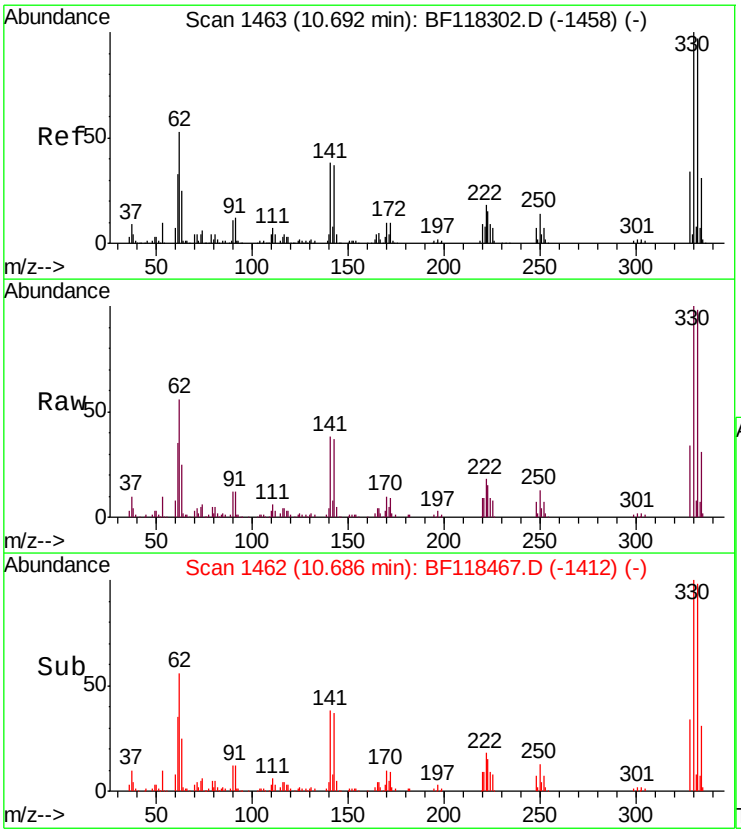

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:164 Resp: 177818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 80.0 | 120.0 |
| 160 | 43.6 | 34.8 | 52.2 |

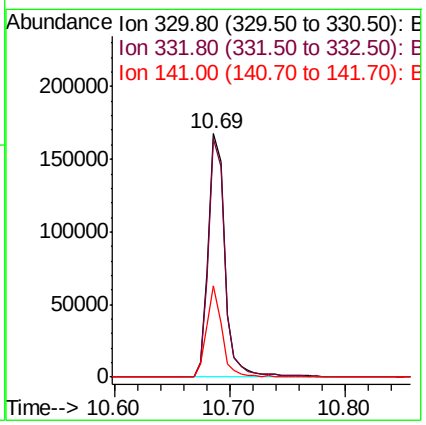


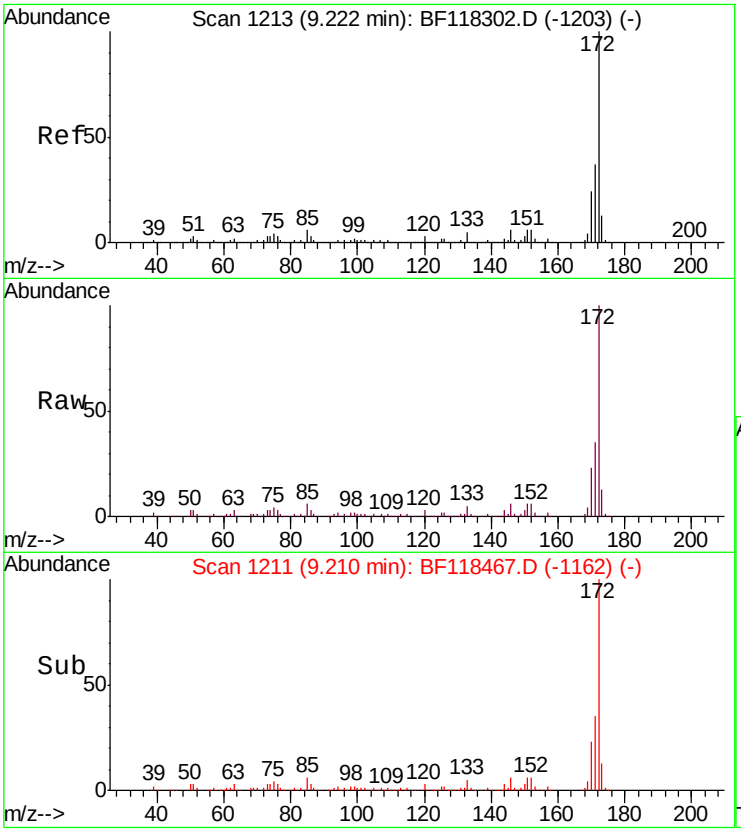




#42
2,4,6-Tribromophenol
Concen: 77.531 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:330 Resp: 170253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 76.6 | 114.8 |
| 141 | 35.2 | 26.0 | 39.0 |



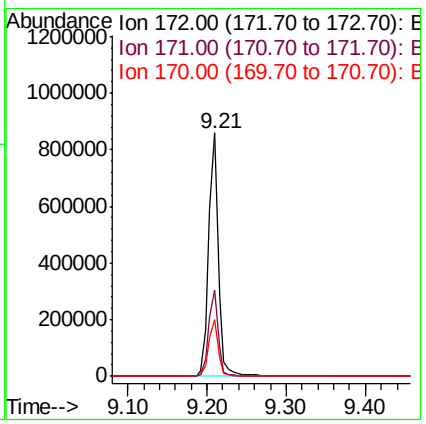


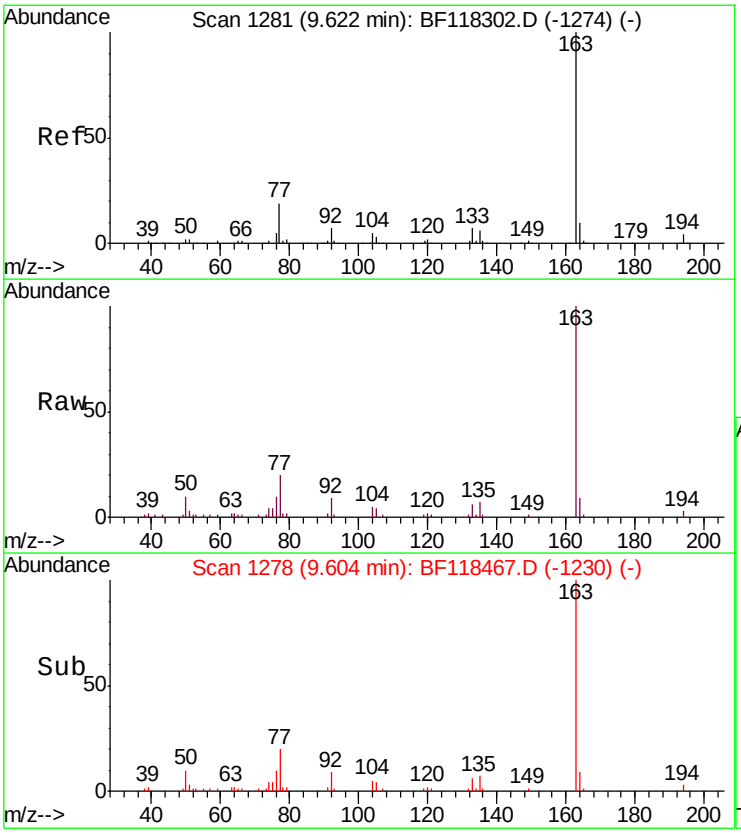

#45
2-Fluorobiphenyl
Concen: 62.411 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:172 Resp: 727025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 29.3 | 43.9 |
| 170 | 23.4 | 19.2 | 28.8 |

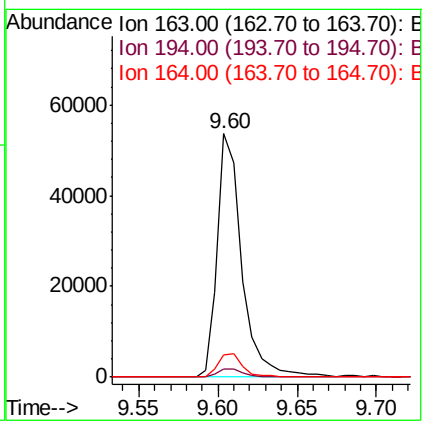


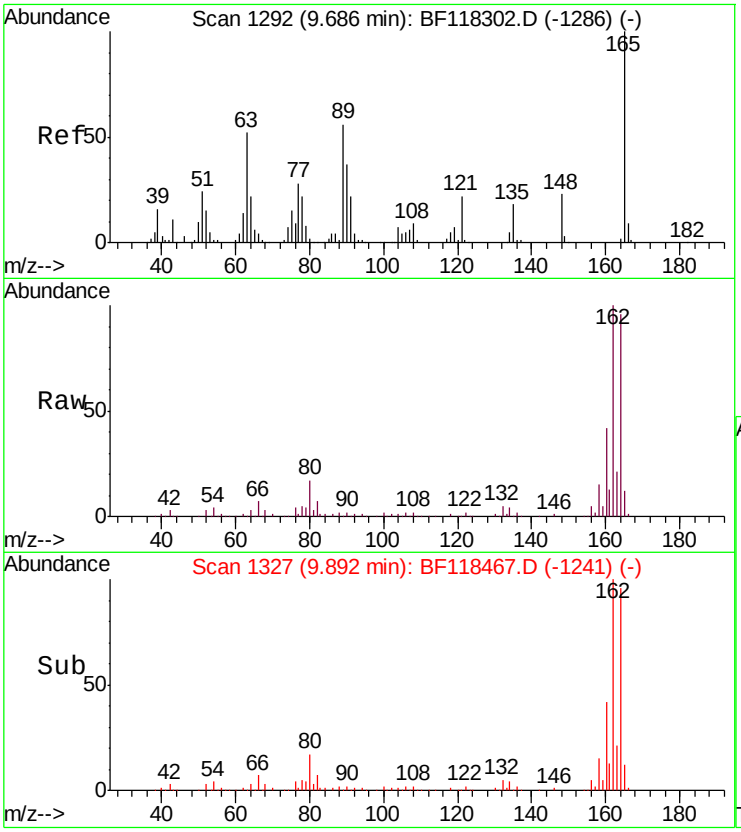




#50
Dimethylphthalate
Concen: 4.296 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:163 Resp: 57336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 3.2 | 4.8 |
| 164 | 9.2 | 7.9 | 11.9 |



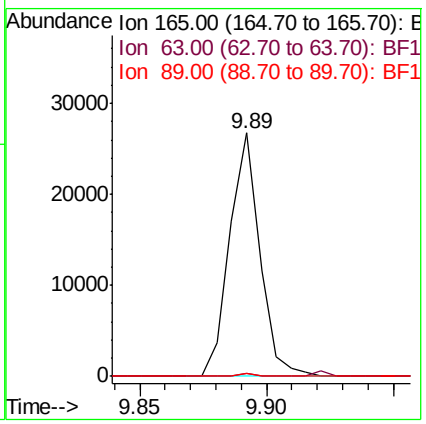


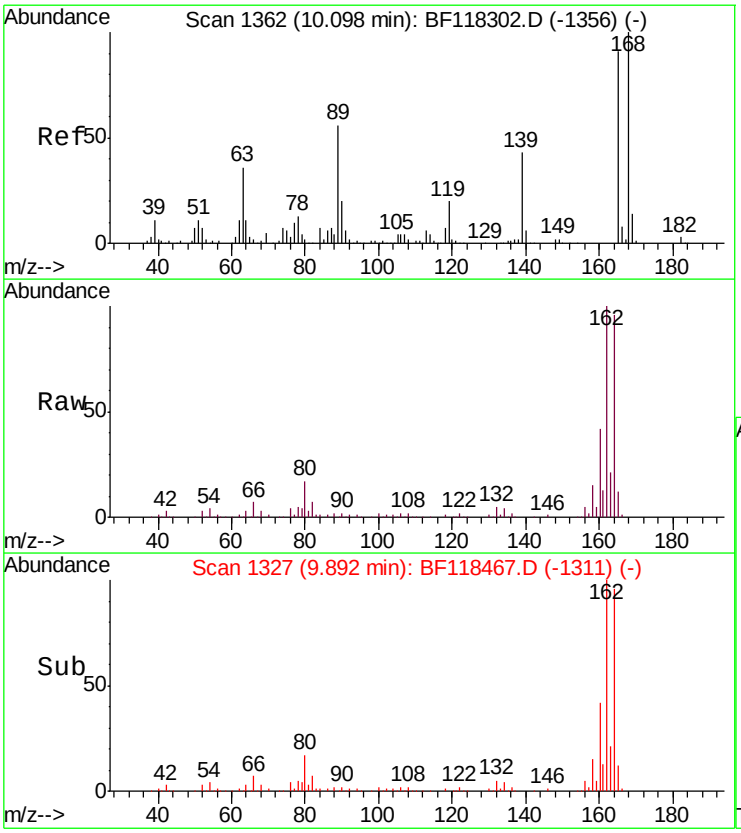

#51
2,6-Dinitrotoluene
Concen: 7.667 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:165 Resp: 22064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 42.2 | 63.4# |
| 89 | 1.2 | 44.4 | 66.6# |

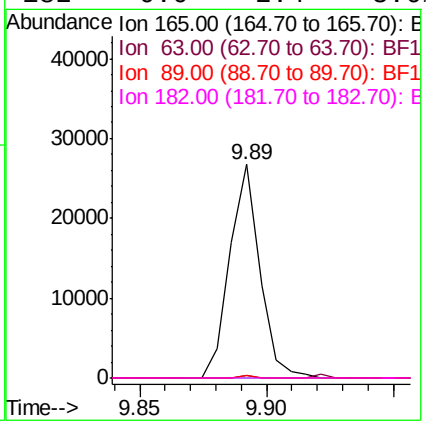


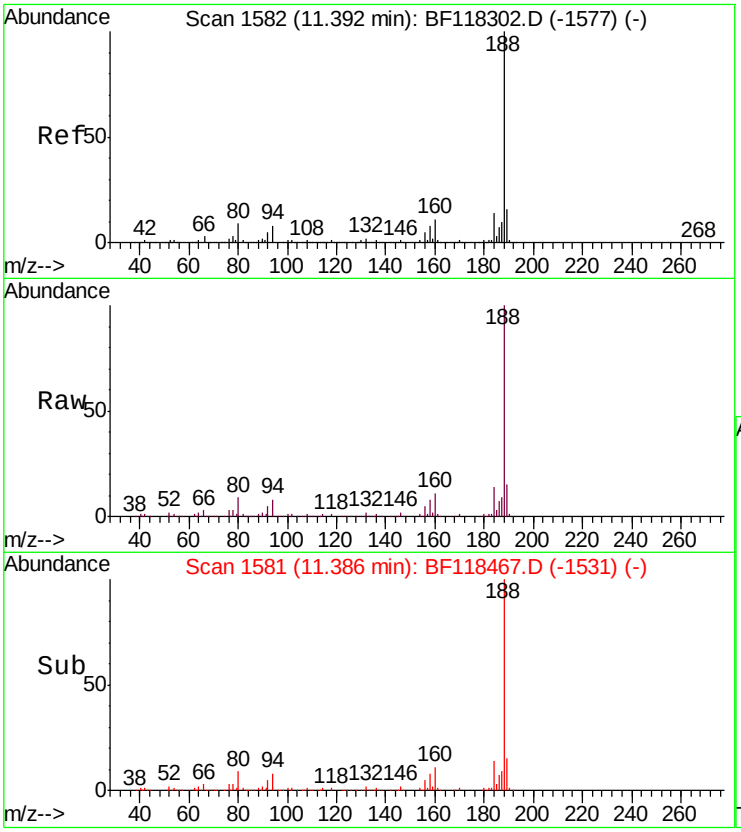




#57
2,4-Dinitrotoluene
Concen: 5.738 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.21 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:165 Resp: 22064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 32.0 | 48.0# |
| 89 | 1.2 | 49.3 | 73.9# |
| 182 | 0.0 | 2.4 | 3.6# |



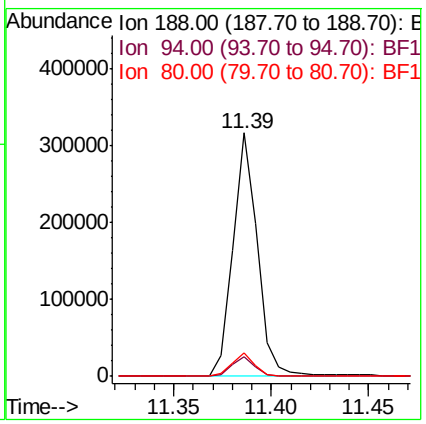


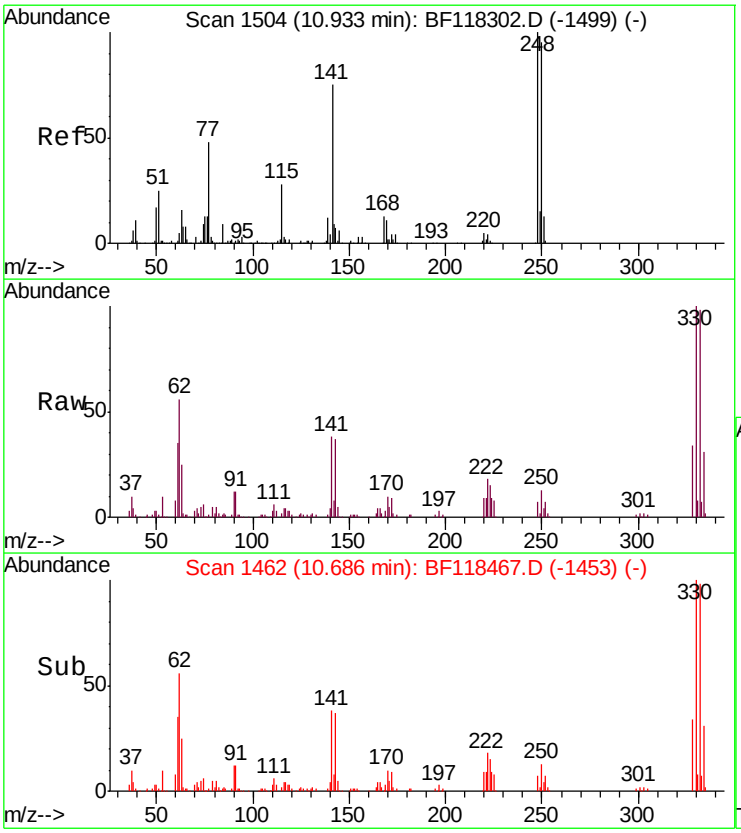

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:188 Resp: 275622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.7 | 10.1 |
| 80 | 9.4 | 7.2 | 10.8 |

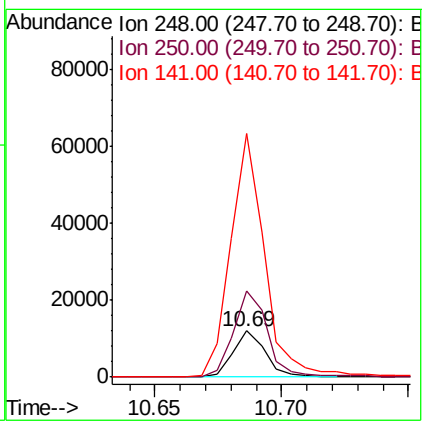


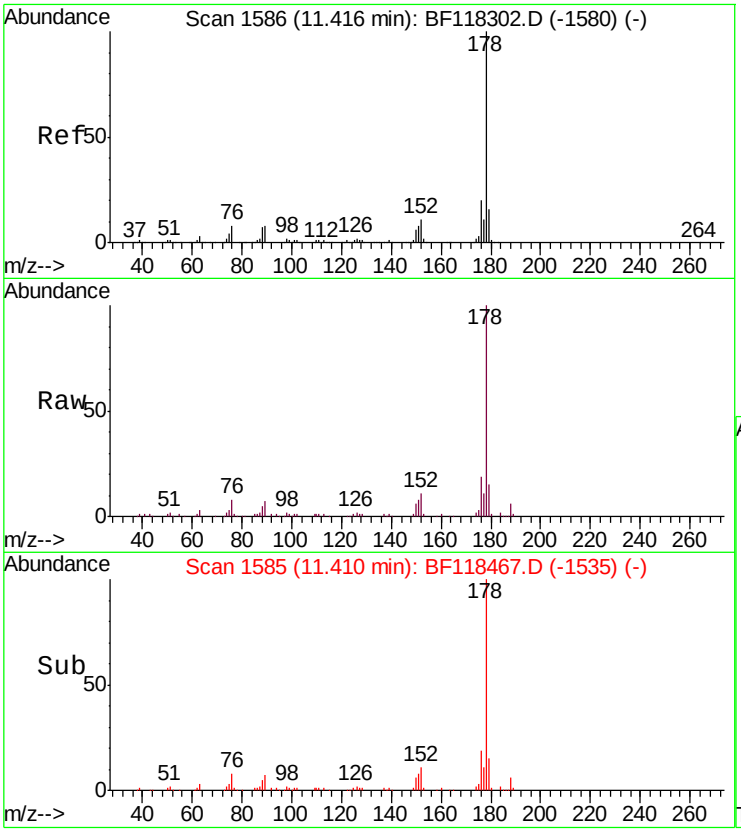




#67
4-Bromophenyl-phenylether
Concen: 3.294 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:248 Resp: 10624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 188.2 | 76.4 | 114.6# |
| 141 | 528.1 | 60.2 | 90.2# |



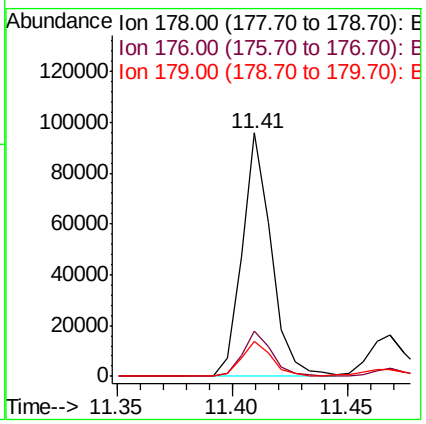


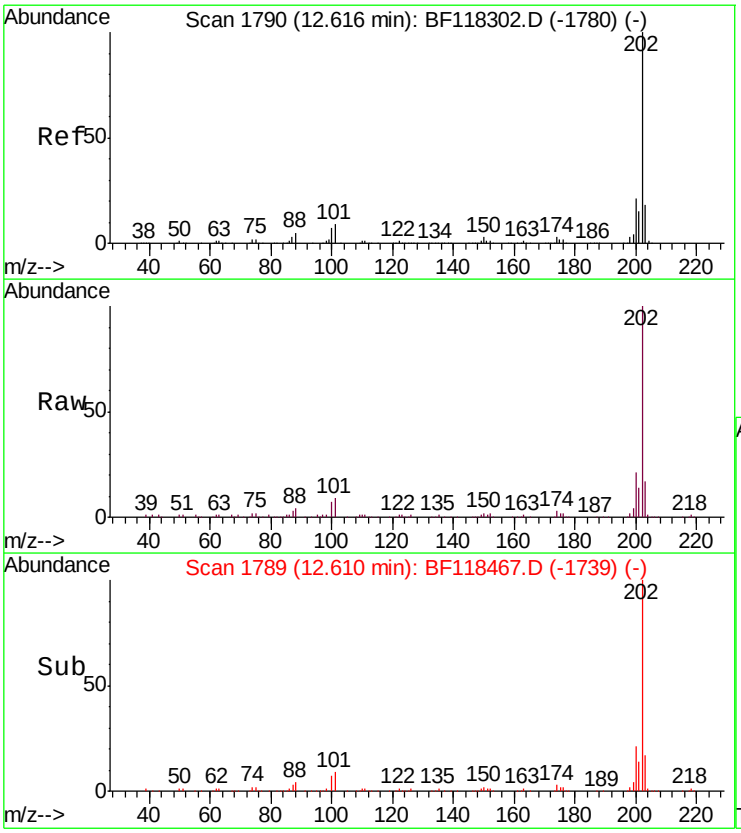

#71
Phenanthrene
Concen: 5.632 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:178 Resp: 84626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.6 | 23.4 |
| 179 | 14.6 | 12.6 | 19.0 |

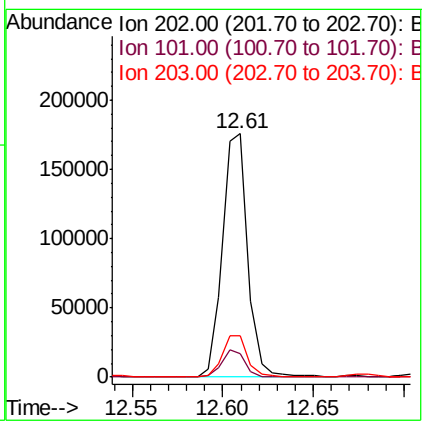


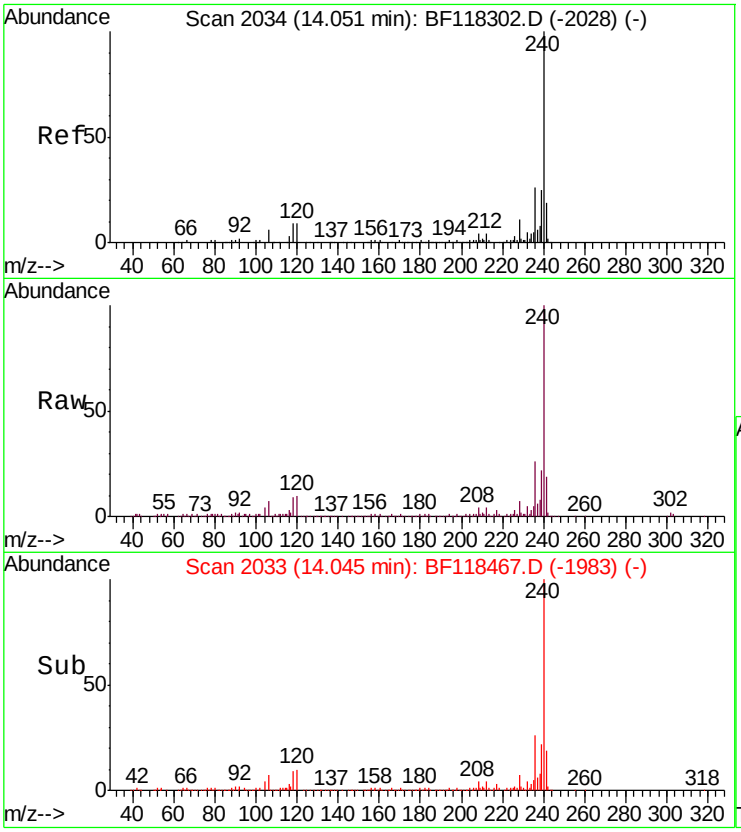




#75
Fluoranthene
Concen: 11.286 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:202 Resp: 171138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 29.5 |
| 203 | 16.9 | 0.0 | 37.6 |



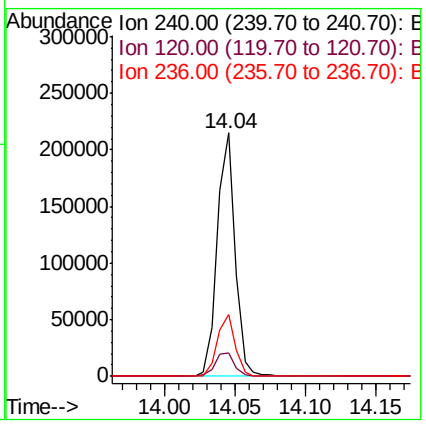


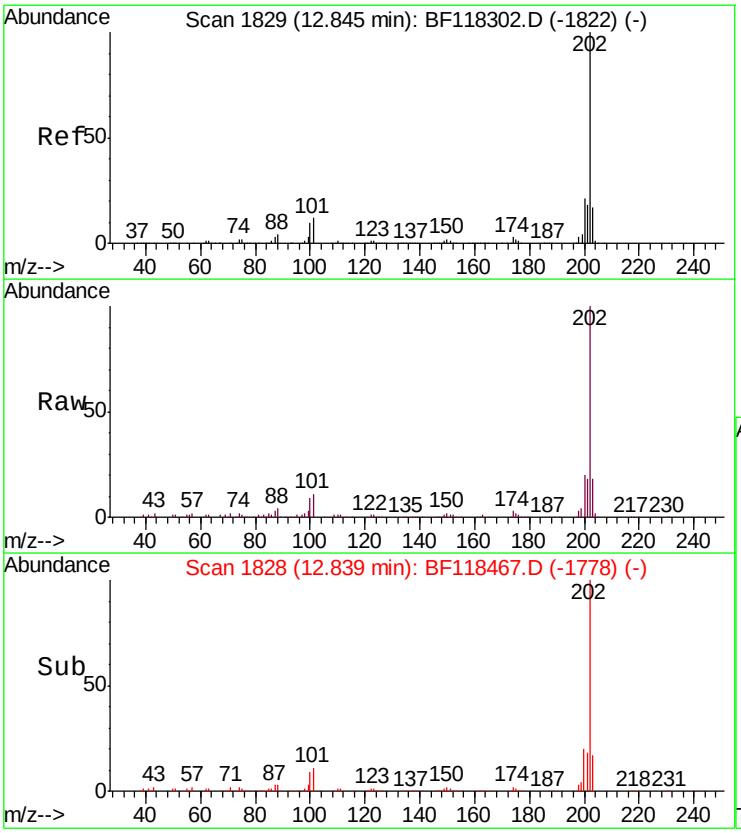

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:240 Resp: 189520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.1 | 10.7 |
| 236 | 25.6 | 21.0 | 31.6 |

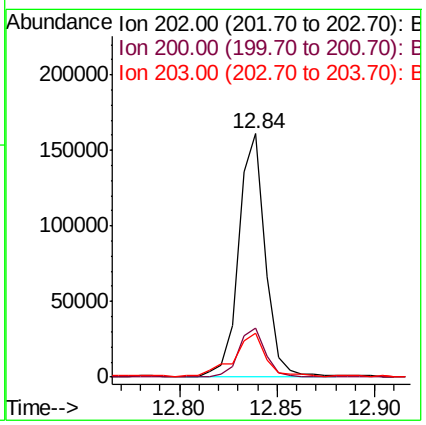


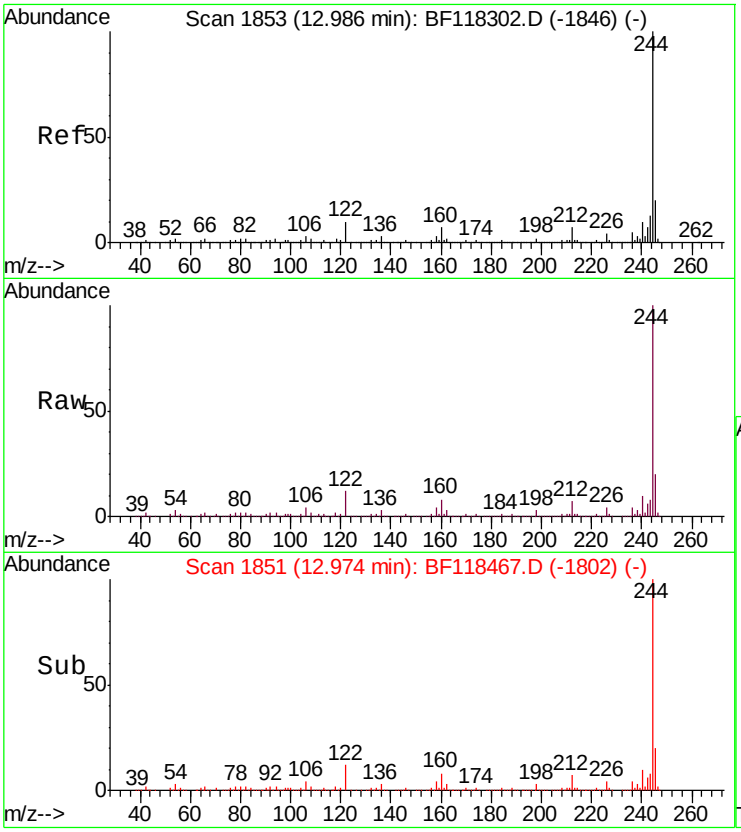




#78
Pyrene
Concen: 9.858 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:202 Resp: 152570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 16.8 | 25.2 |
| 203 | 18.2 | 13.9 | 20.9 |



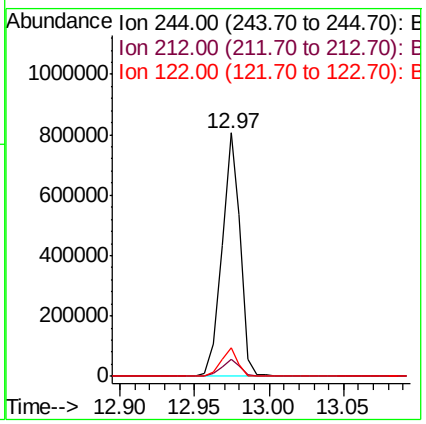


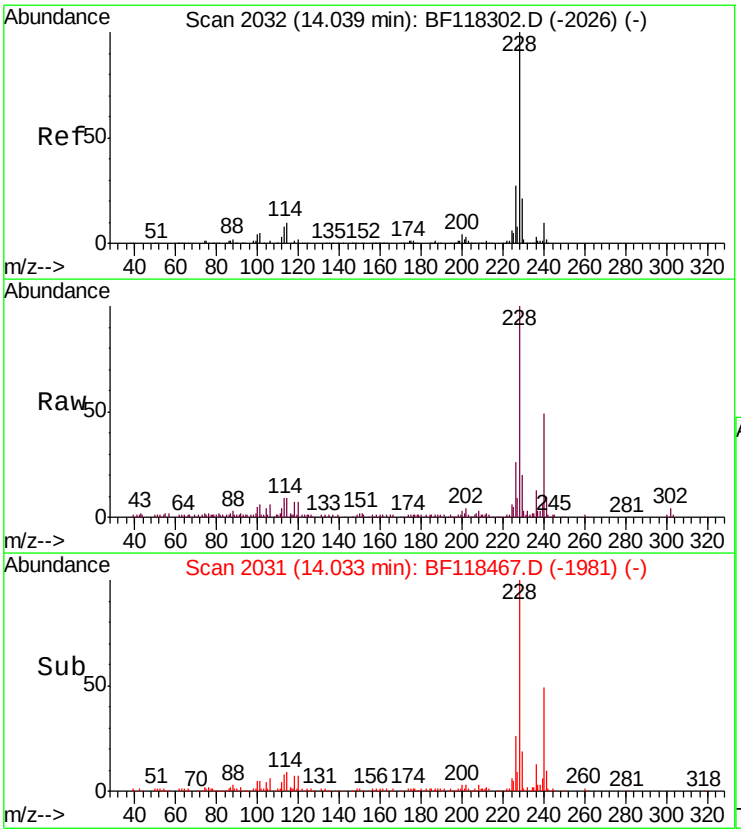

#79
Terphenyl-d14
Concen: 60.808 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:244 Resp: 694648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.2 |
| 122 | 11.6 | 7.8 | 11.8 |

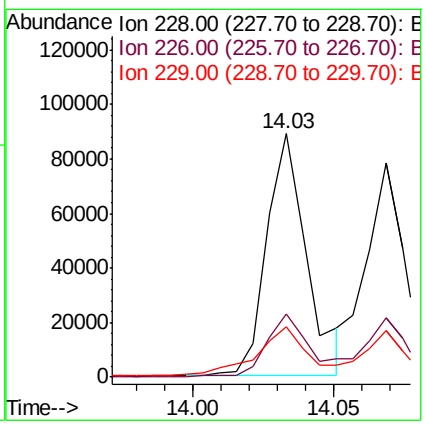


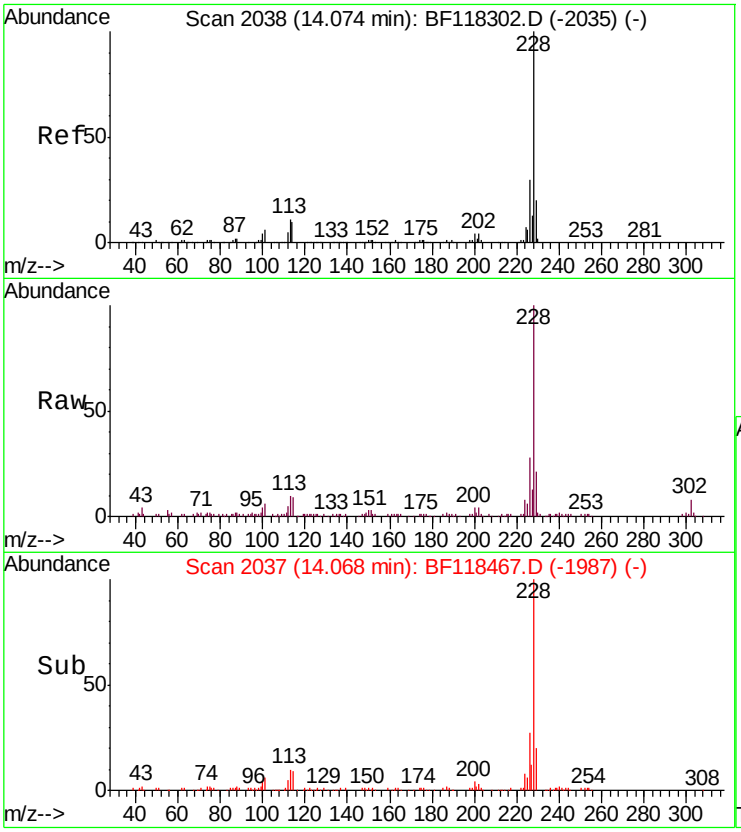




#81
Benzo(a)anthracene
Concen: 6.610 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:228 Resp: 87693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.0 | 22.0 | 33.0 |
| 229 | 20.4 | 16.6 | 24.8 |



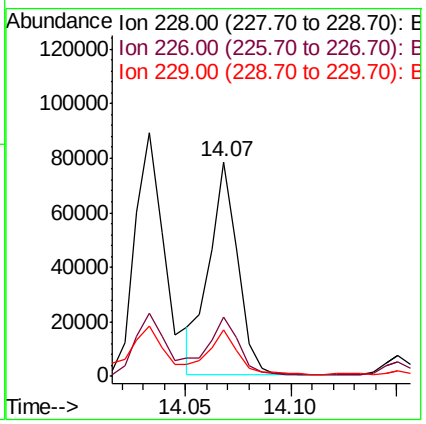


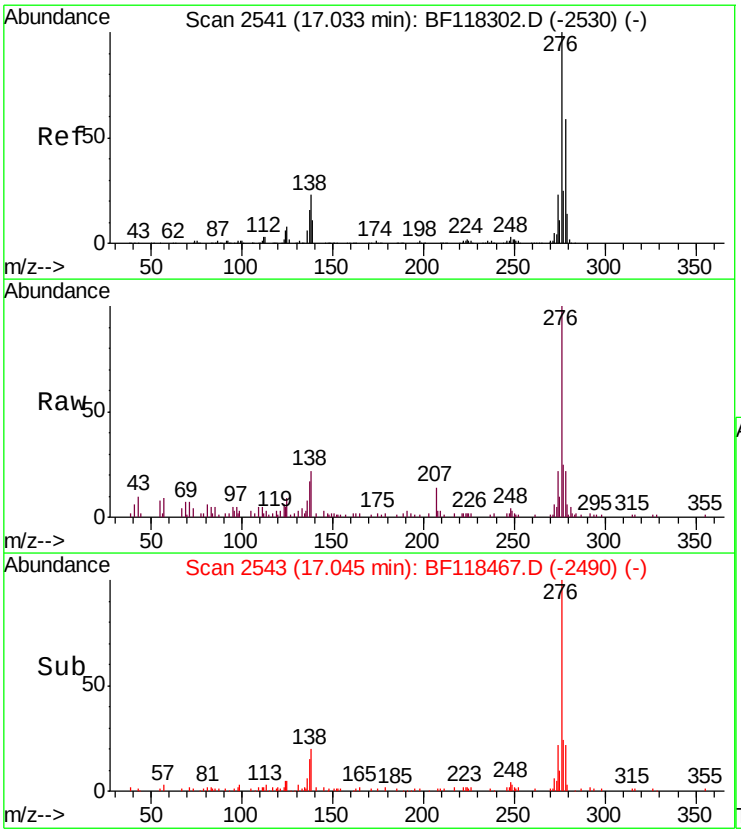

#83
Chrysene
Concen: 5.794 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:228 Resp: 73594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 23.9 | 35.9 |
| 229 | 21.4 | 16.1 | 24.1 |

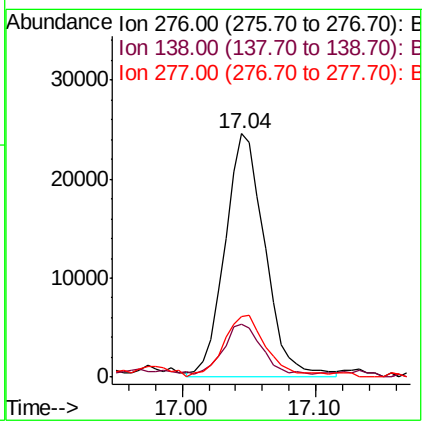


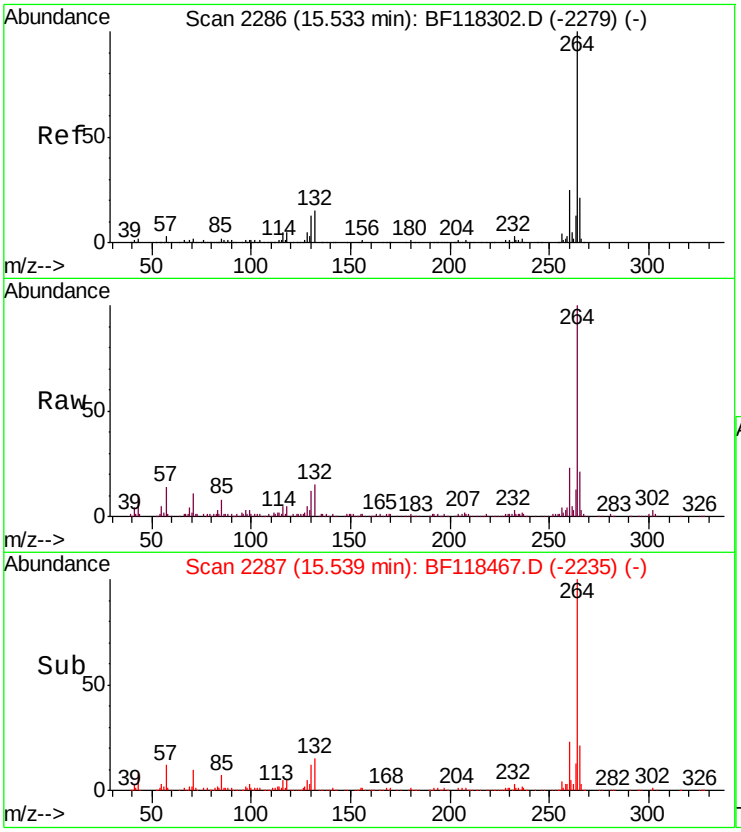




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.771 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:276 Resp: 51642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.6 | 19.5 | 29.3 |
| 277 | 27.3 | 20.6 | 30.8 |



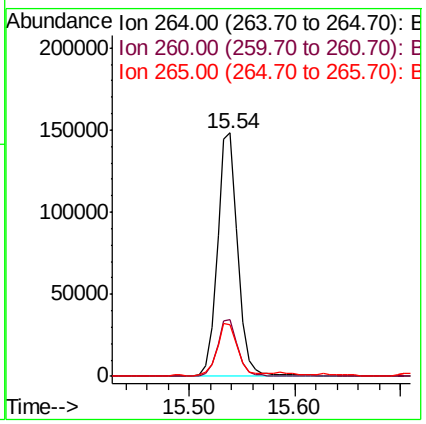


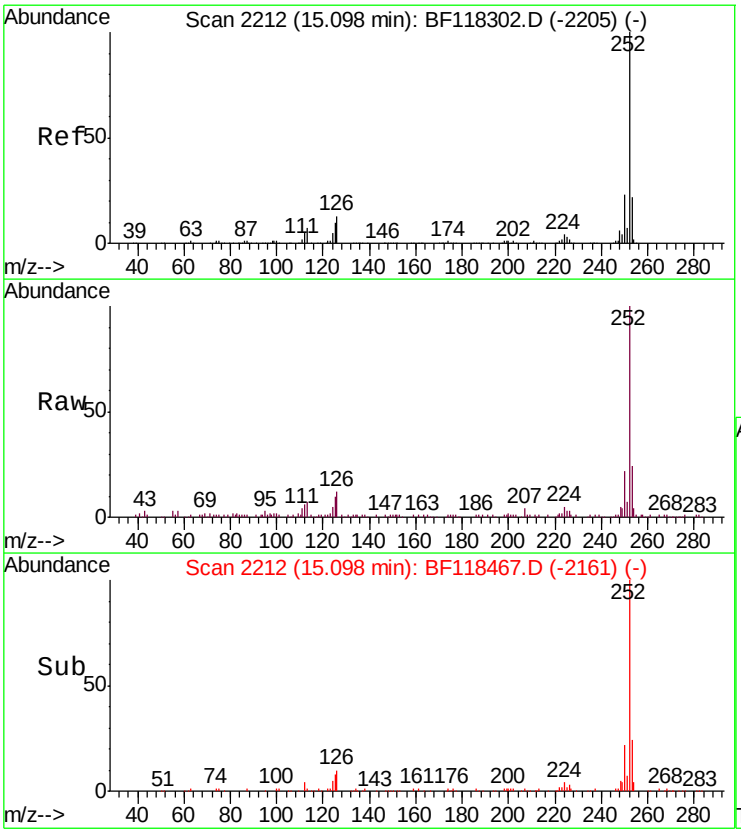

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:264 Resp: 199239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.8 | 29.6 |
| 265 | 21.1 | 17.0 | 25.4 |

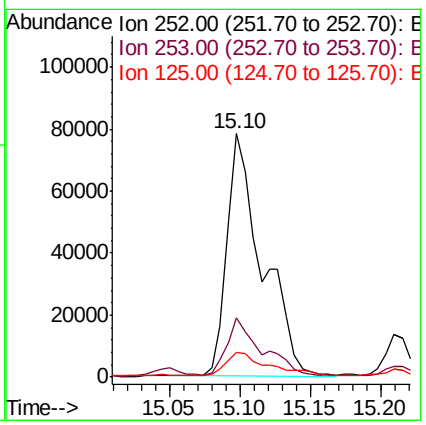


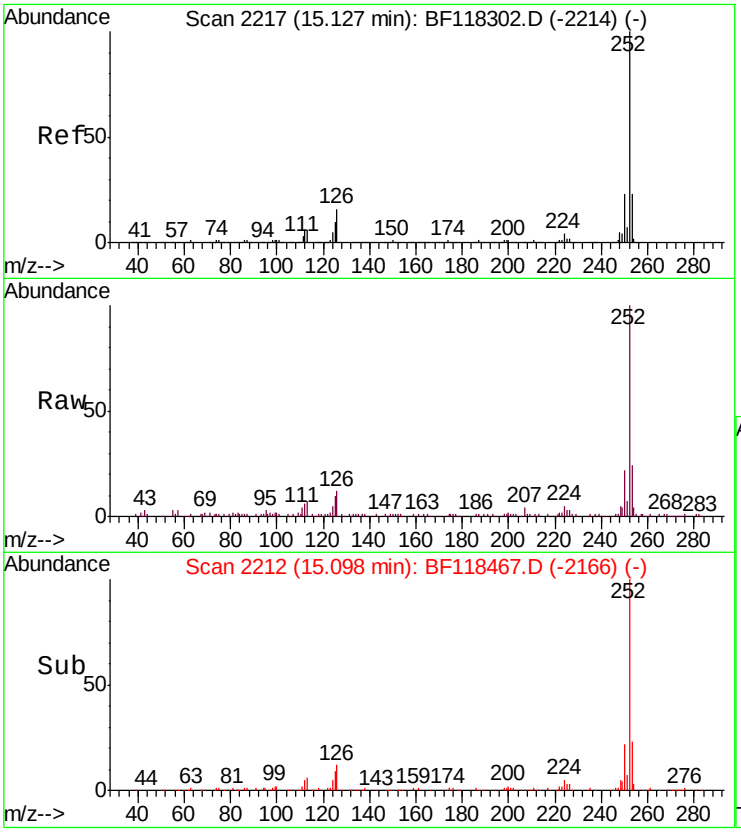




#88
Benzo(b)fluoranthene
Concen: 10.375 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

Tgt Ion:252 Resp: 137220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.5 | 26.3 |
| 125 | 9.9 | 7.7 | 11.5 |



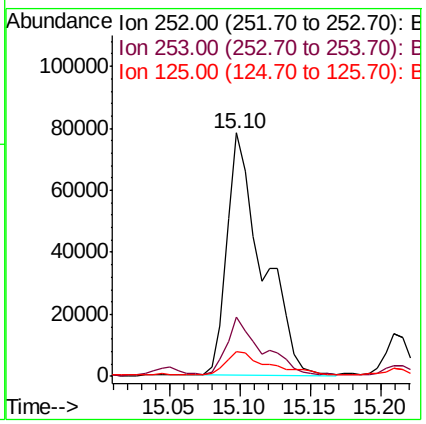


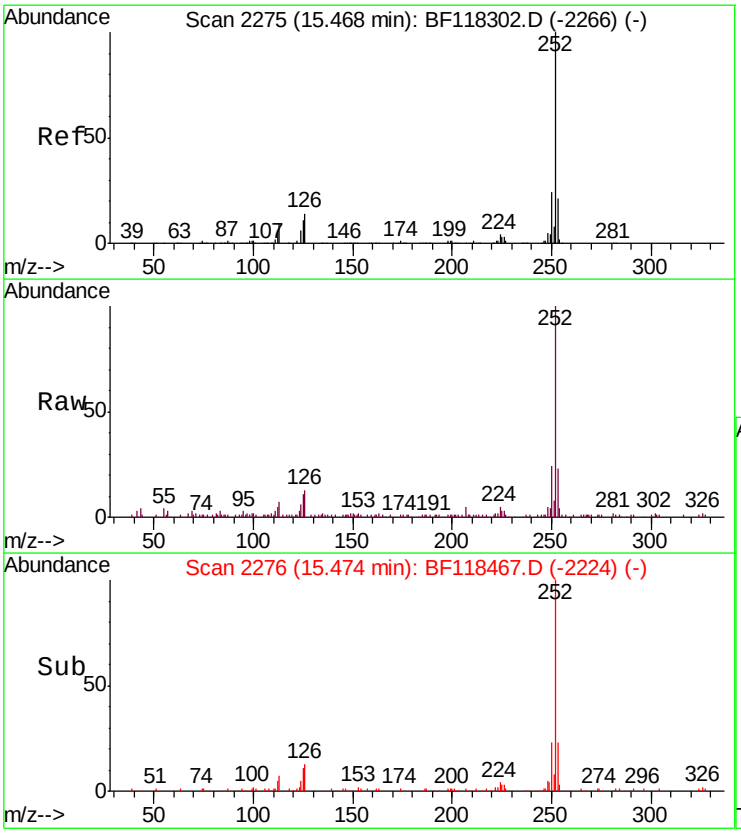

#89
Benzo(k)fluoranthene
Concen:  10.806 ng
RT: 15.10 min  Scan# 2212
Delta R.T.  -0.03 min
Lab File:  BF118467.D
Acq:  3 Jan 2020  20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:252 Resp:  137220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 18.0 | 27.0 |
| 125 | 9.9 | 8.0 | 12.0 |

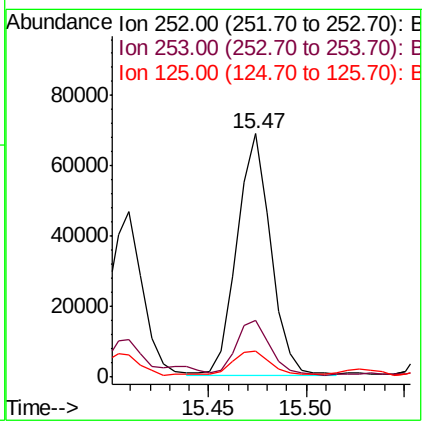


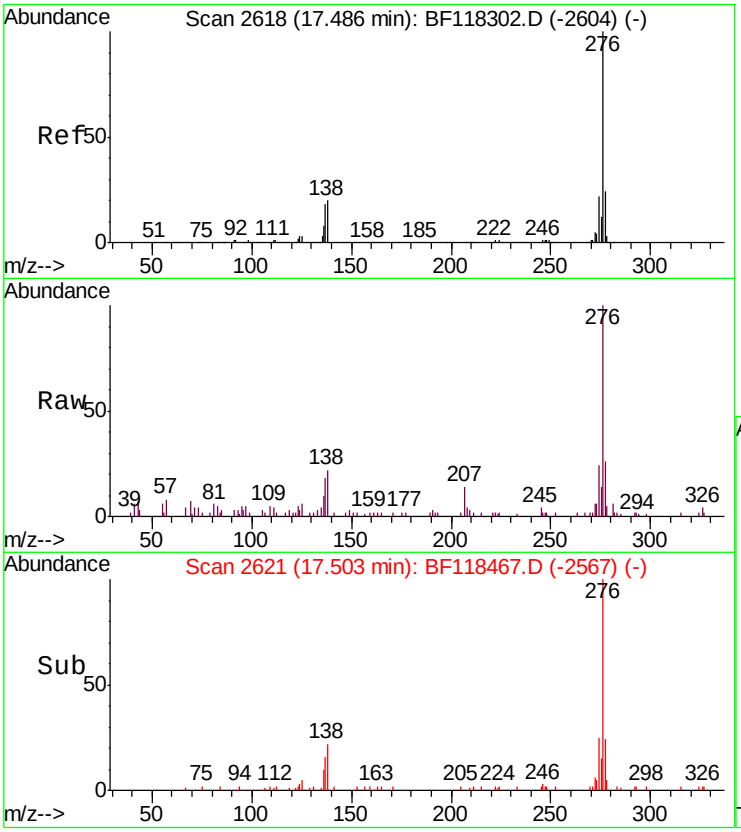




#90
Benzo(a)pyrene
Concen:  7.155 ng
RT: 15.47 min  Scan# 2276
Delta R.T.  0.01 min
Lab File:  BF118467.D
Acq:  3 Jan 2020  20:05

Tgt Ion:252 Resp:  83364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.0 | 25.6 |
| 125 | 10.8 | 9.0 | 13.4 |






#92
Benzo(g,h,i)perylene
Concen: 4.853 ng
RT: 17.50 min Scan# 2621
Delta R.T. 0.02 min
Lab File: BF118467.D
Acq: 3 Jan 2020 20:05

**Instrument :**
BNA_F
**ClientSampleId :**
K309-WC-01

Tgt Ion:276 Resp: 47401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.7 | 19.1 | 28.7 |
| 138 | 21.8 | 16.1 | 24.1 |