Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
Data File : BF112146.D
Acq On : 19 Jan 2019 1:07
Operator : JU/SJ
Sample : K1011-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-03-011719-A

Quant Time: Jan 19 03:47:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 263214 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 1016587 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 448470 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 720064 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.02 | 240 | 590624 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.49 | 264 | 499799 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 290586 | 20.04 | ng | | -0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 379359 | 20.91 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 209888 | 14.26 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 64541 | 13.34 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 493934 | 16.15 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 396242 | 14.27 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.38 | 77 | 269 | Below Cal | | # | 1 |
| 25) Isophorone | 7.41 | 82 | 209888 | 7.385 | ng | # | 64 |
| 51) 2,6-Dinitrotoluene | 9.89 | 165 | 60337 | 9.238 | ng | # | 34 |
| 56) 4-Nitrophenol | 10.10 | 139 | 9863 | 7.411 | ng | # | 19 |
| 57) 2,4-Dinitrotoluene | 9.89 | 165 | 60337 | 11.091 | ng | # | 32 |
| 65) 4,6-Dinitro-2-methylphenol | 10.75 | 198 | 120 | 10.101 | ng | # | 1 |
| 71) Phenanthrene | 11.40 | 178 | 362395 | 10.000 | ng | | 98 |
| 72) Anthracene | 11.45 | 178 | 116062 | 3.162 | ng | | 96 |
| 75) Fluoranthene | 12.59 | 202 | 635804 | 16.618 | ng | | 98 |
| 78) Pyrene | 12.82 | 202 | 605531 | 15.540 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 343236 | 10.136 | ng | | 97 |
| 83) Chrysene | 14.05 | 228 | 321138 | 10.022 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 146990 | 4.972 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 530497 | 18.699 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 530497 | 19.320 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.43 | 252 | 288260 | 11.079 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 142580 | 6.263 | ng | | 100 |

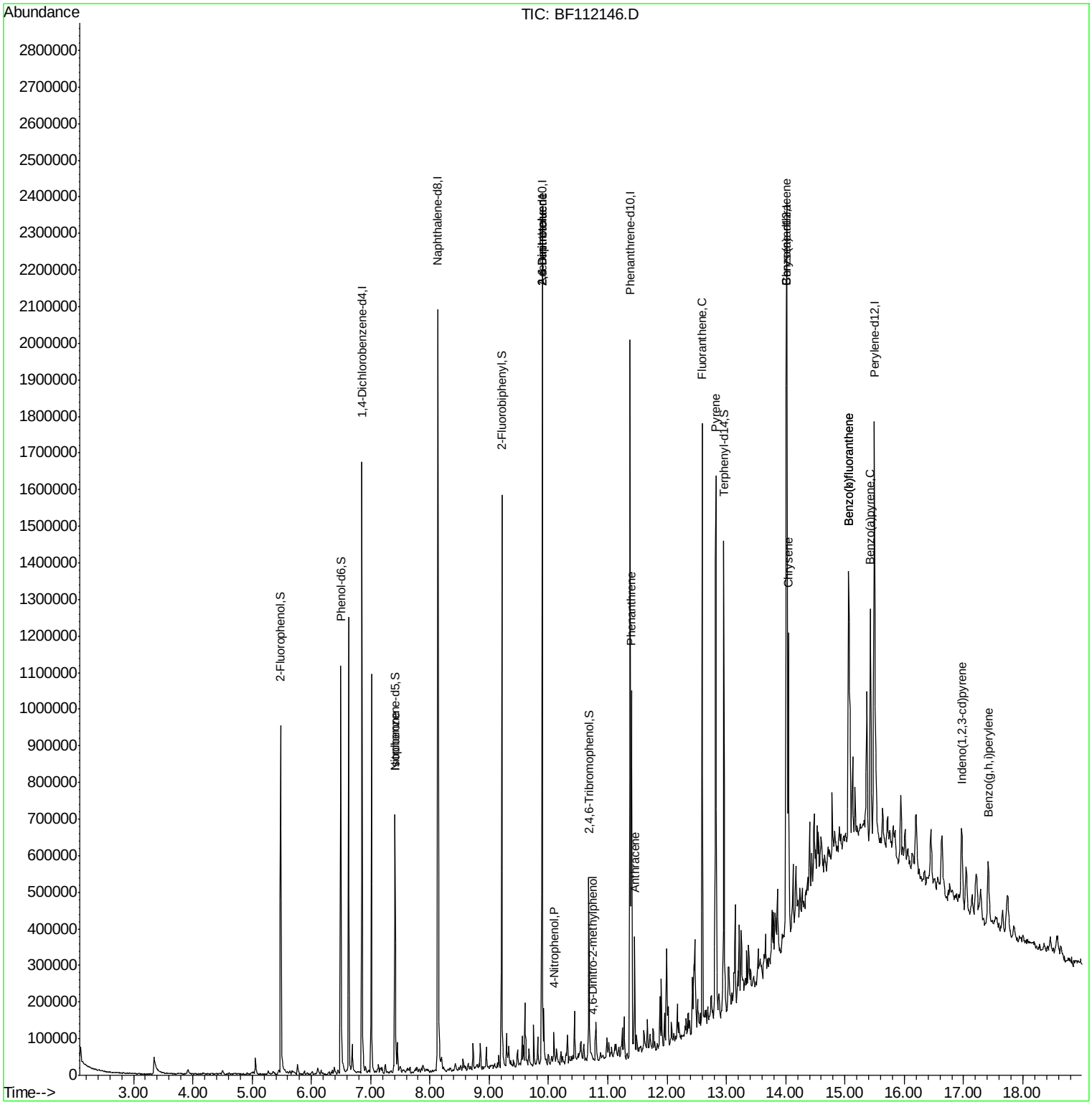
(#) = qualifier out of range (m) = manual integration (+) = signals summed

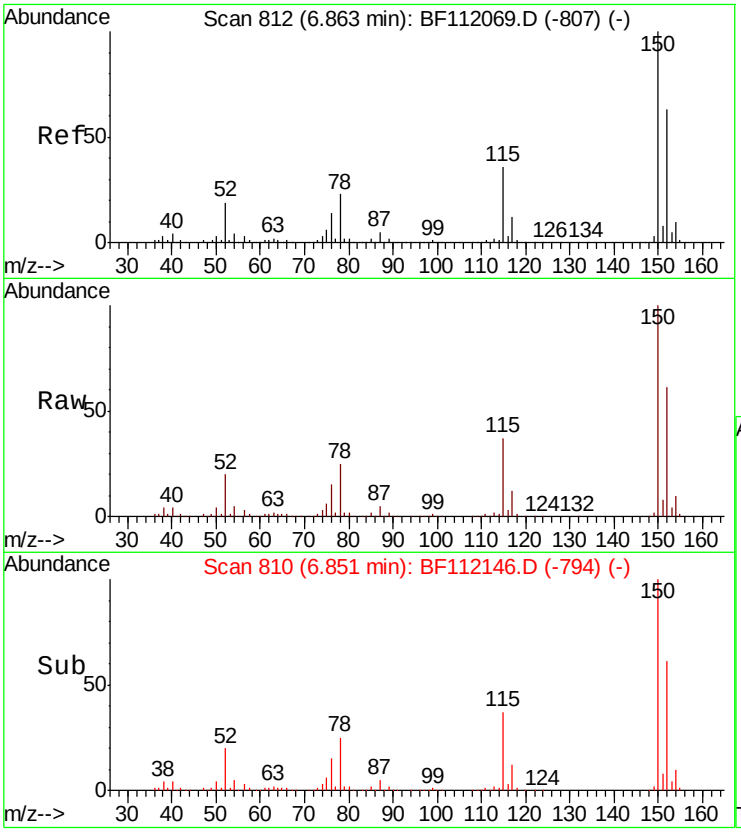
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
Data File : BF112146.D
Acq On : 19 Jan 2019 1:07
Operator : JU/SJ
Sample : K1011-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Quant Time: Jan 19 03:47:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration



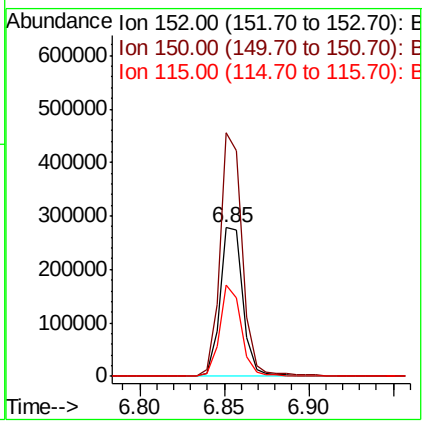


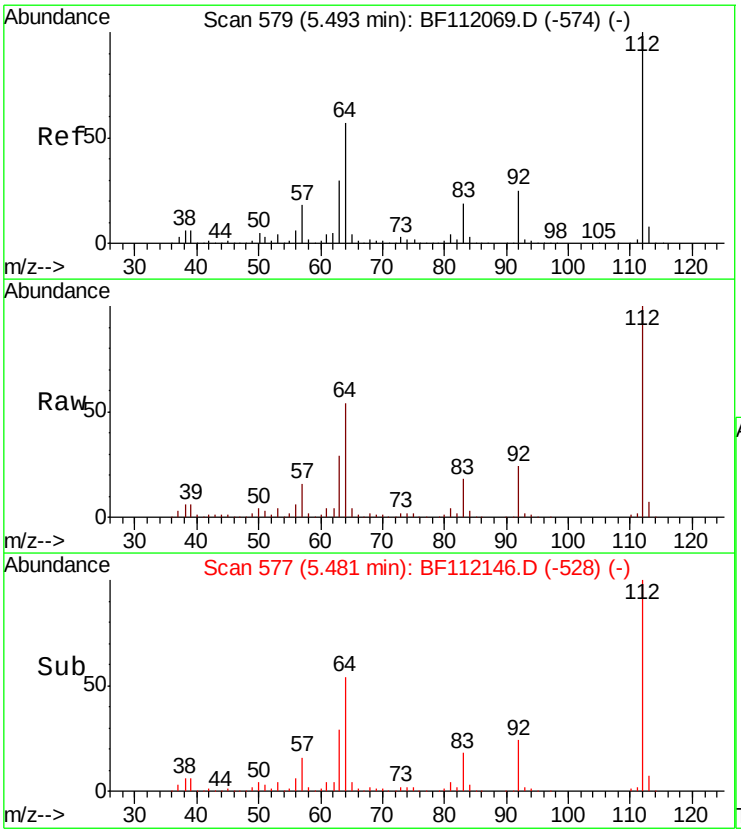

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:152 Resp: 263214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.6 | 127.4 | 191.0 |
| 115 | 61.0 | 45.5 | 68.3 |

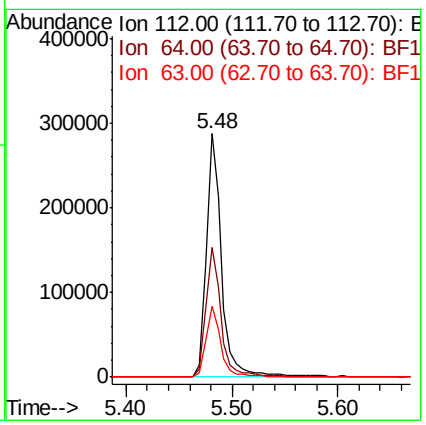


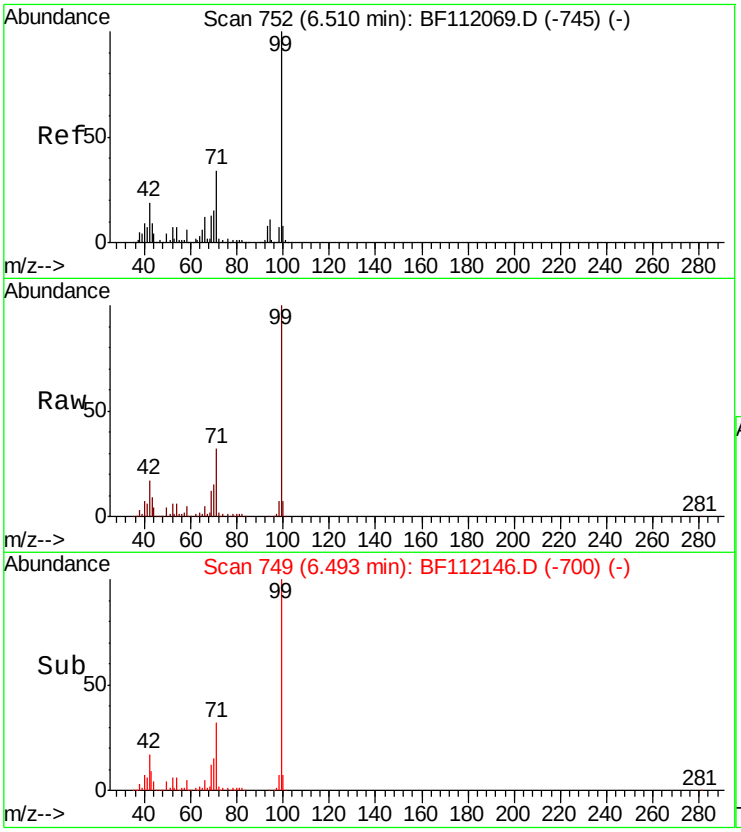




#5
2-Fluorophenol
Concen: 20.038 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:112 Resp: 290586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.5 | 45.7 | 68.5 |
| 63 | 28.8 | 23.6 | 35.4 |



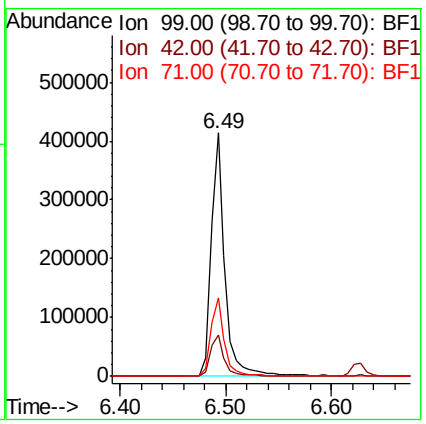


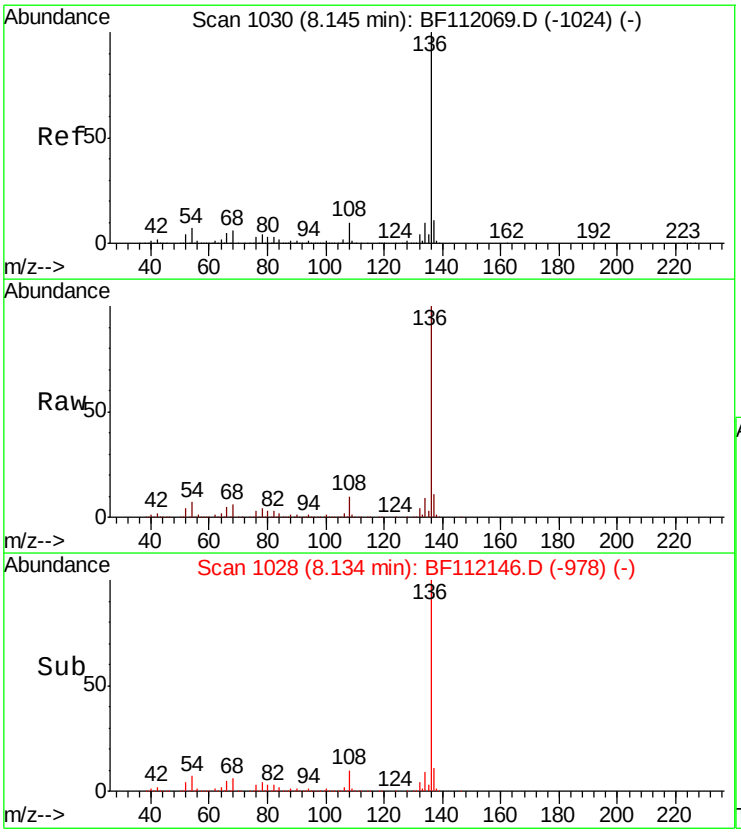

#7
Phenol-d6
Concen: 20.908 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion: 99 Resp: 379359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.1 | 15.1 | 22.7 |
| 71 | 32.3 | 26.9 | 40.3 |

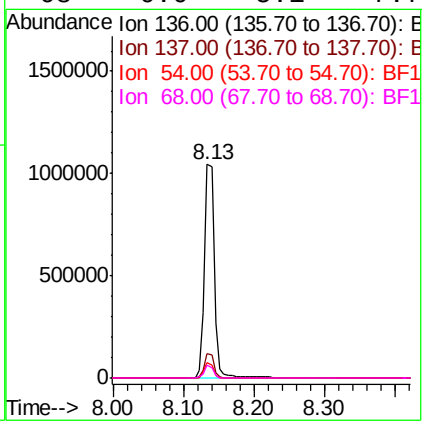


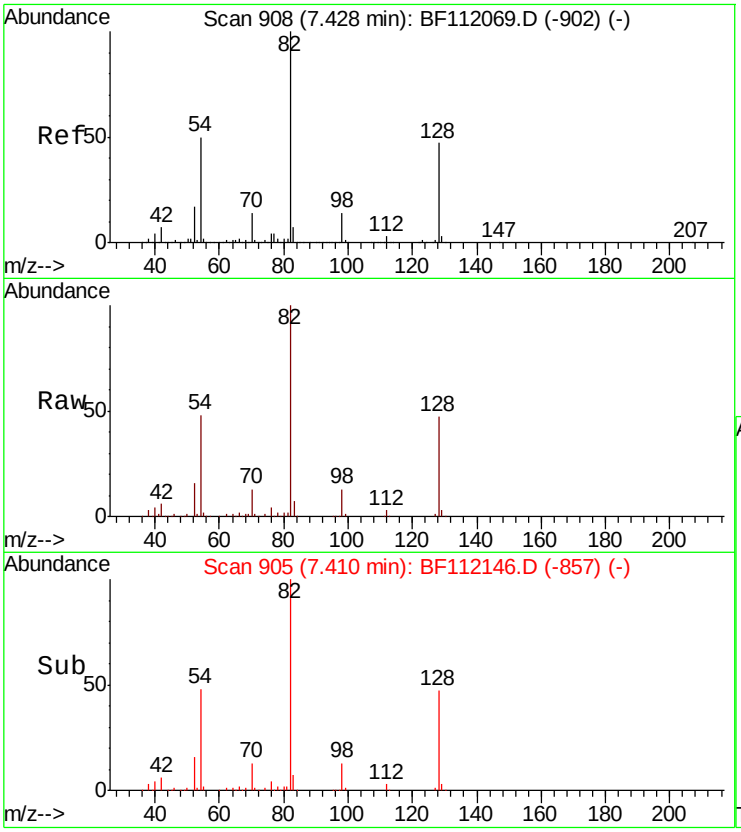




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:136 Resp: 1016587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.1 | 13.7 |
| 54 | 7.1 | 5.9 | 8.9 |
| 68 | 6.0 | 5.1 | 7.7 |



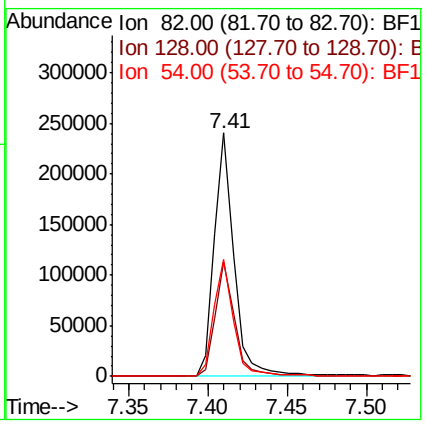


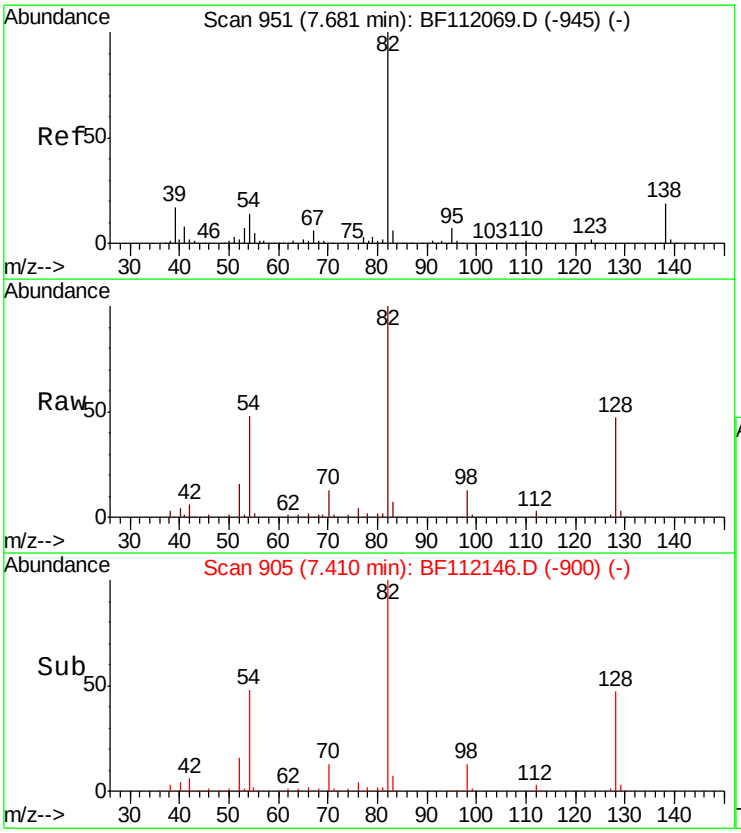

#23
Nitrobenzene-d5
Concen: 14.264 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion: 82 Resp: 209888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.0 | 37.8 | 56.8 |
| 54 | 48.0 | 39.7 | 59.5 |

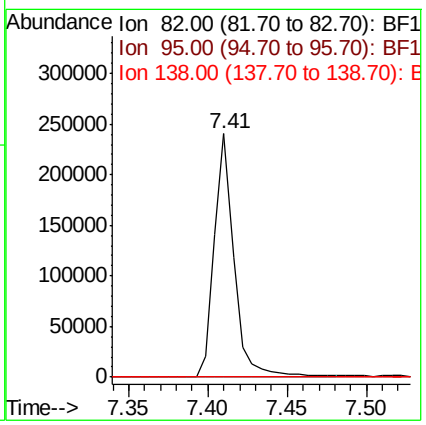


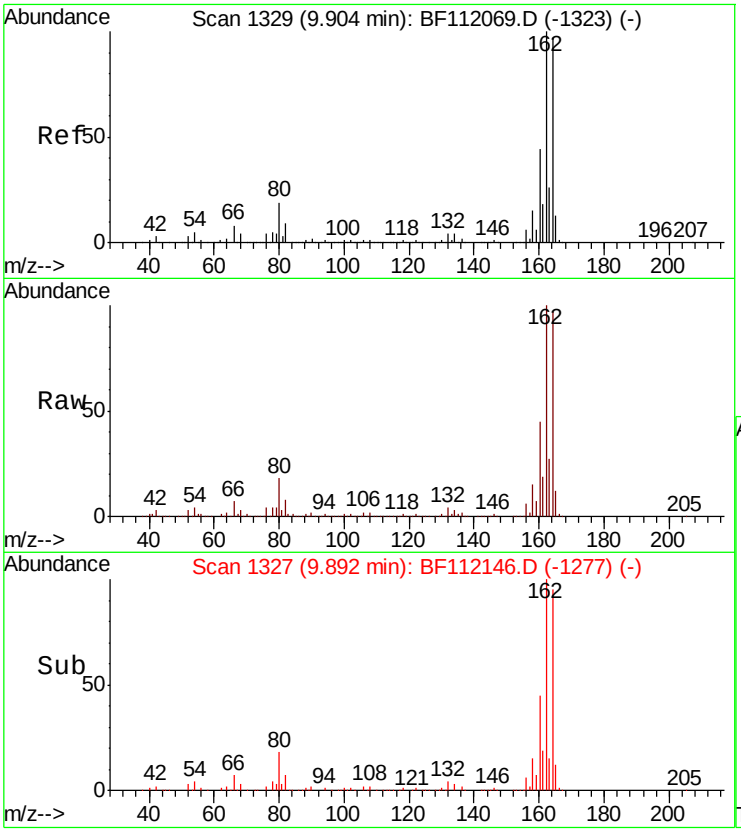




#25
Isophorone
Concen: 7.385 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion: 82 Resp: 209888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.7 | 8.5# |
| 138 | 0.0 | 15.4 | 23.0# |



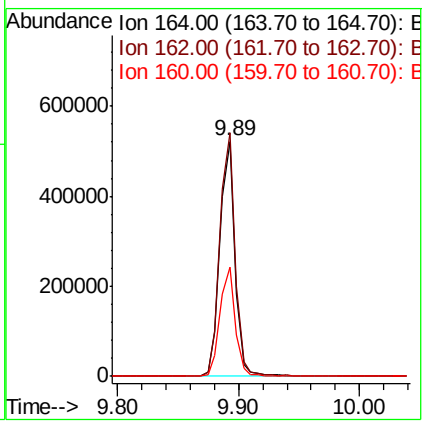


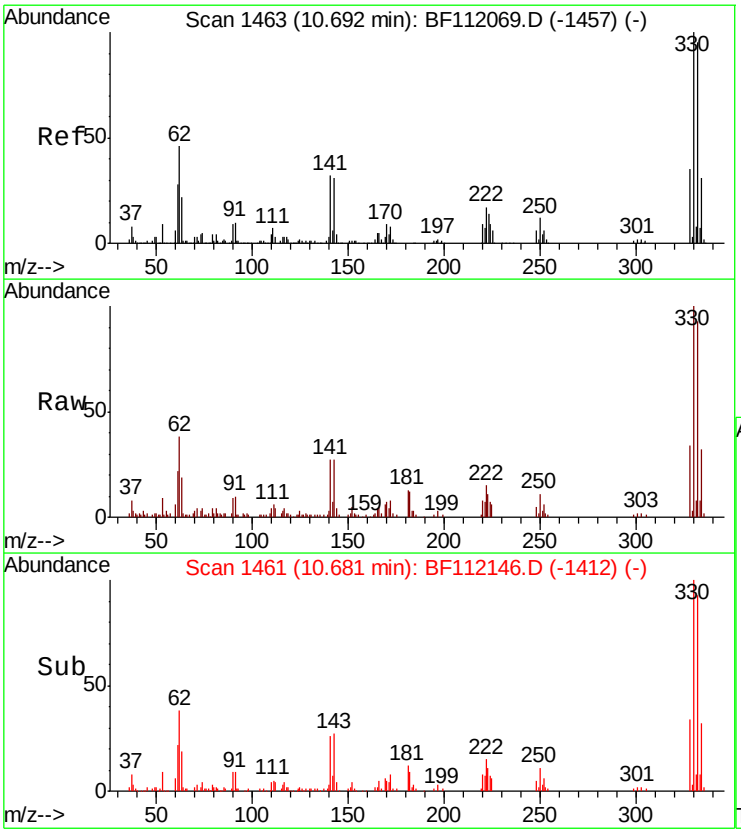

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:164 Resp: 448470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 82.2 | 123.4 |
| 160 | 46.4 | 36.2 | 54.4 |

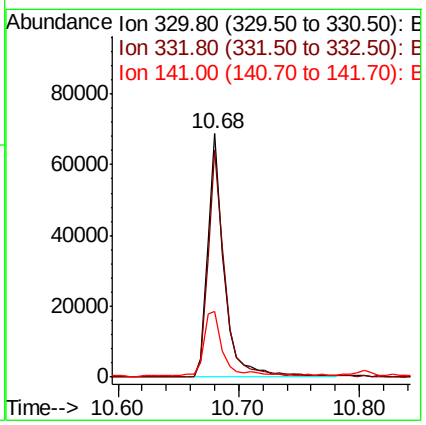


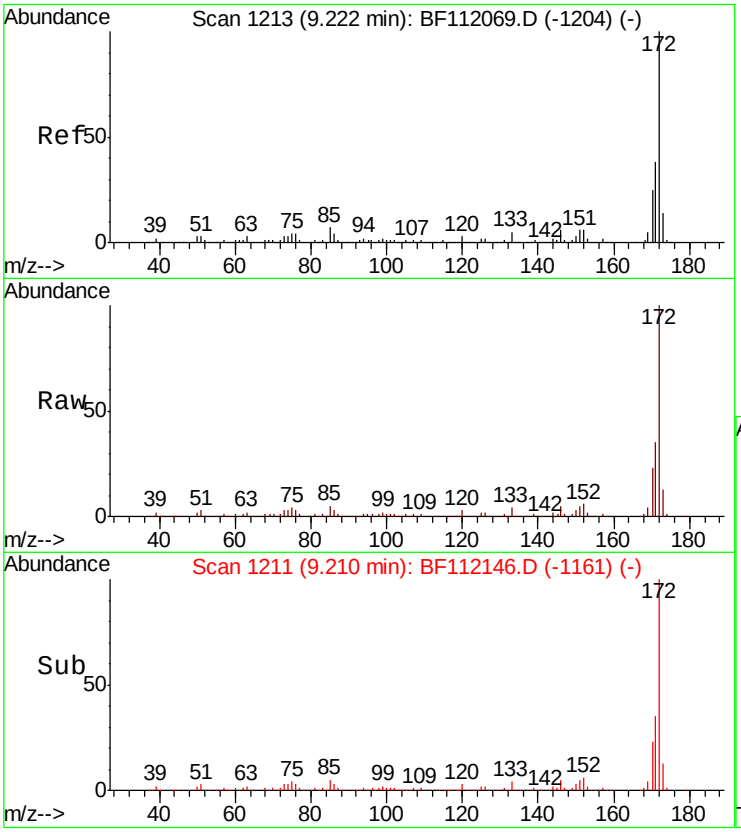




#42
2,4,6-Tribromophenol
Concen: 13.340 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:330 Resp: 64541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 76.6 | 114.8 |
| 141 | 29.1 | 24.3 | 36.5 |



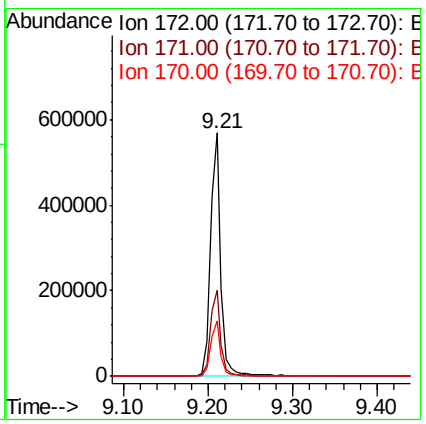


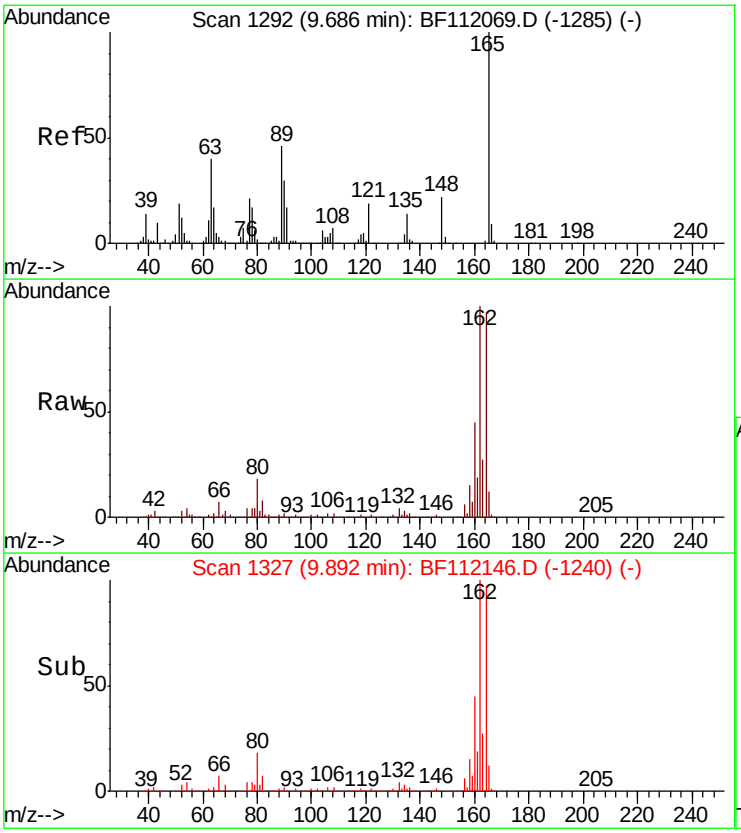

#45
2-Fluorobiphenyl
Concen: 16.147 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:172 Resp: 493934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 30.5 | 45.7 |
| 170 | 22.8 | 20.2 | 30.4 |

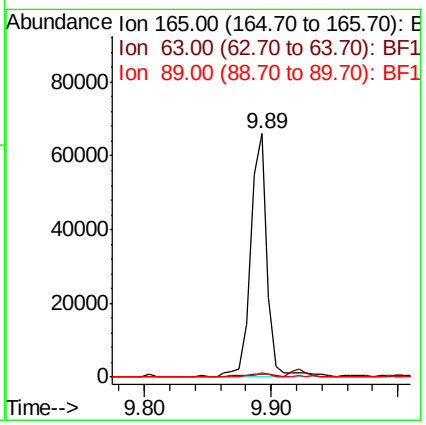


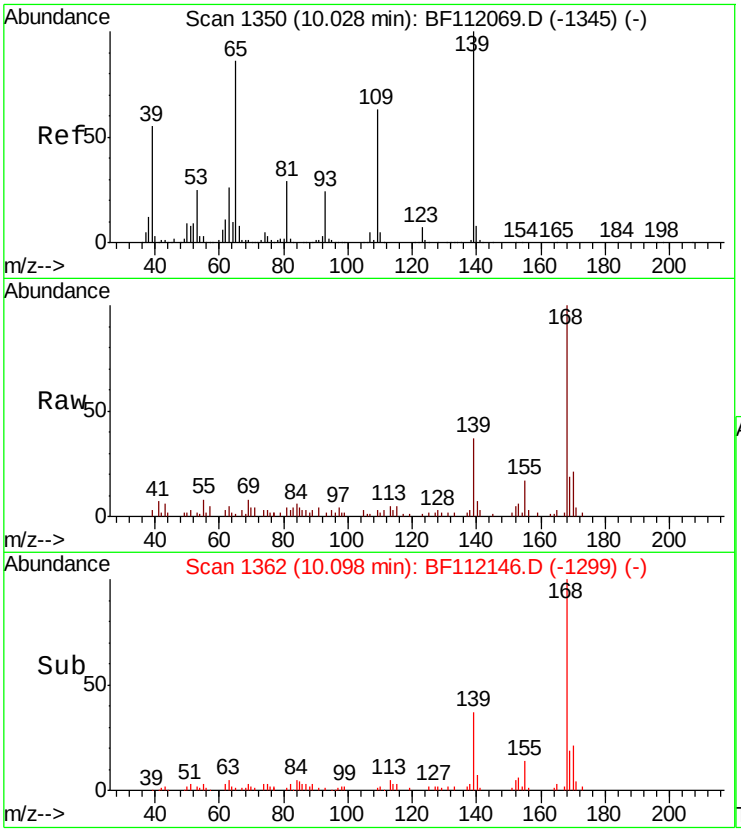




#51
2,6-Dinitrotoluene
Concen: 9.238 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:165 Resp: 60337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 33.8 | 50.8# |
| 89 | 1.5 | 36.9 | 55.3# |



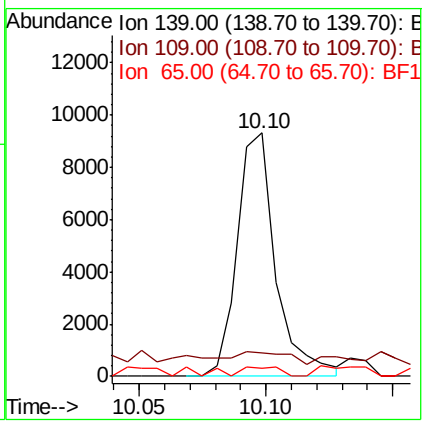


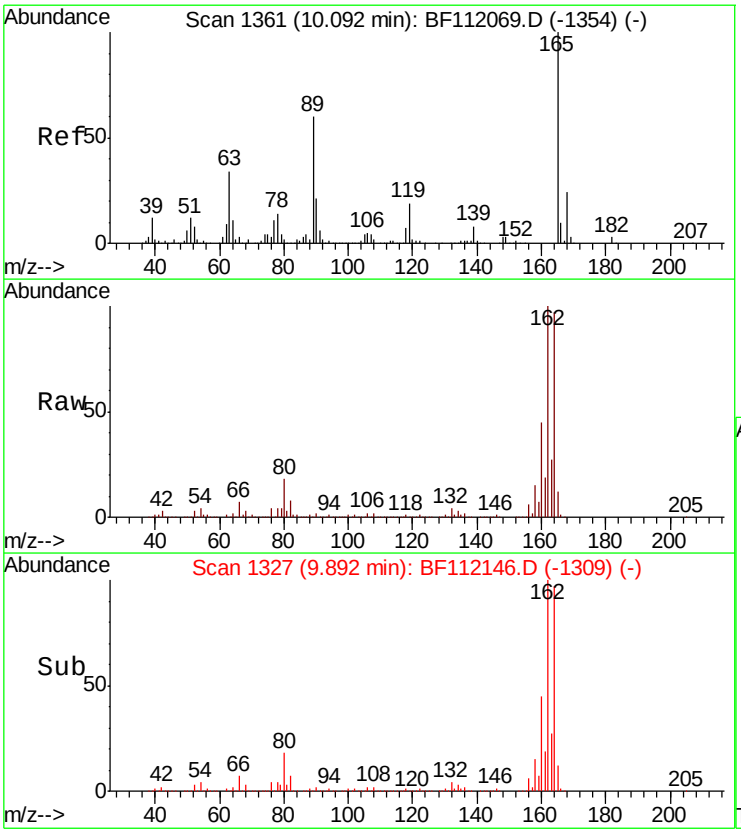

#56
4-Nitrophenol
Concen: 7.411 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.07 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:139 Resp: 9863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 9.4 | 42.8 | 82.8# |
| 65 | 3.6 | 66.1 | 106.1# |

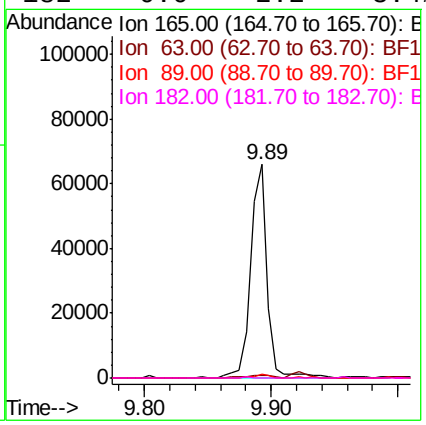


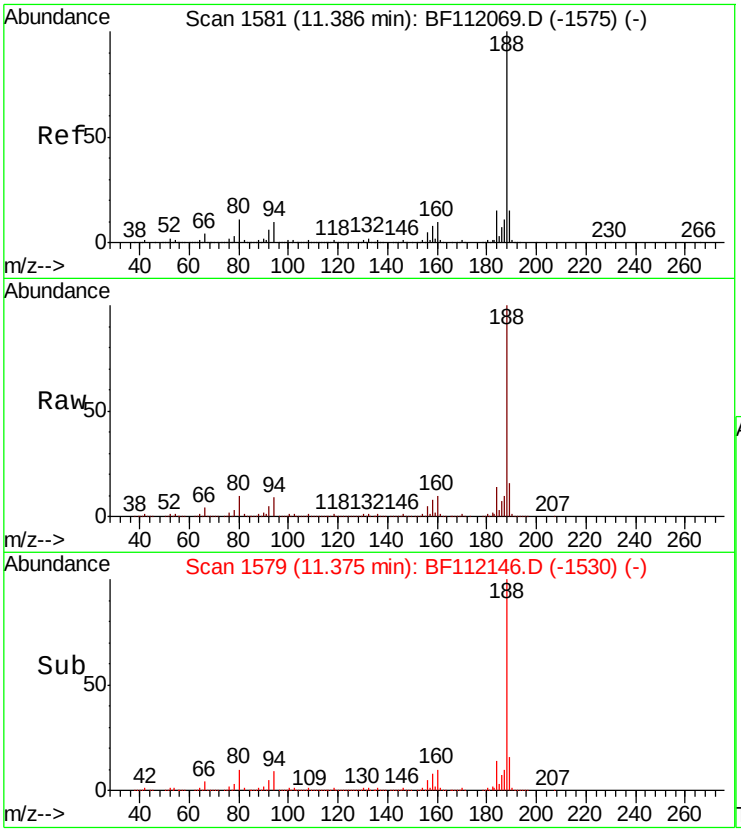




#57
2,4-Dinitrotoluene
Concen: 11.091 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:165 Resp: 60337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 27.9 | 41.9# |
| 89 | 1.5 | 47.9 | 71.9# |
| 182 | 0.0 | 2.2 | 3.4# |



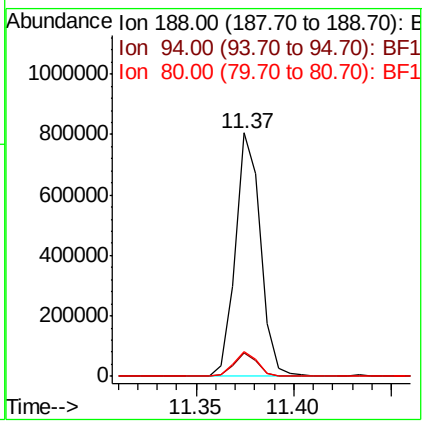


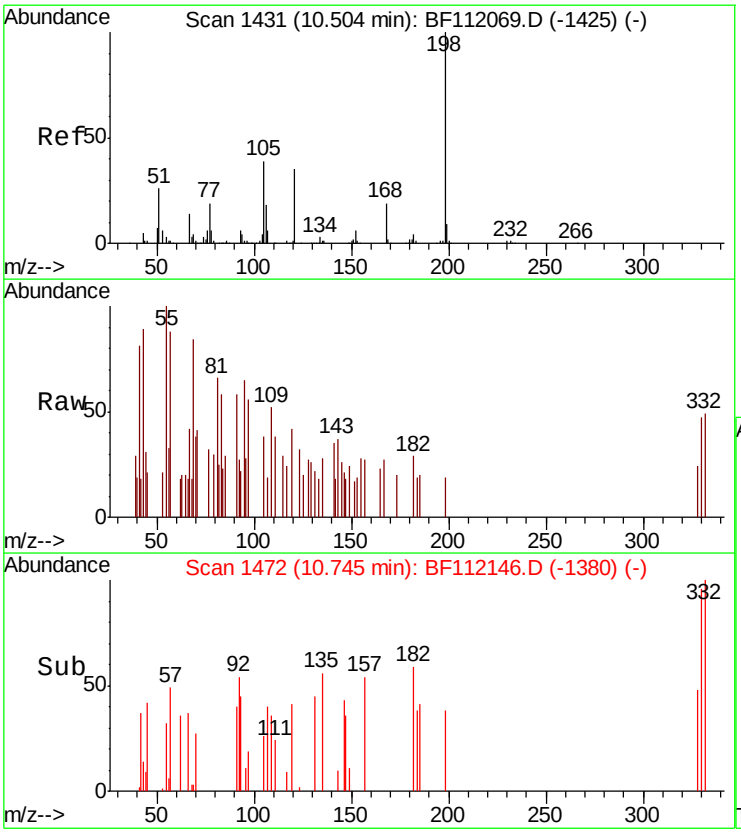

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:188 Resp: 720064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.4 | 8.2 | 12.2 |
| 80 | 10.2 | 8.9 | 13.3 |

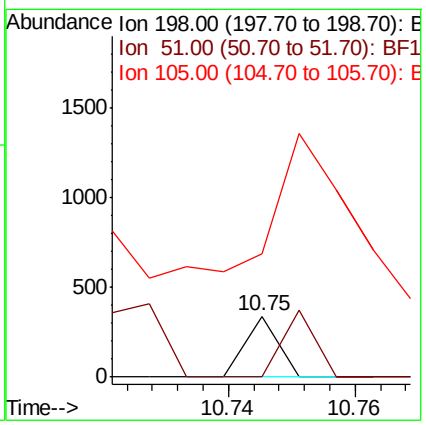


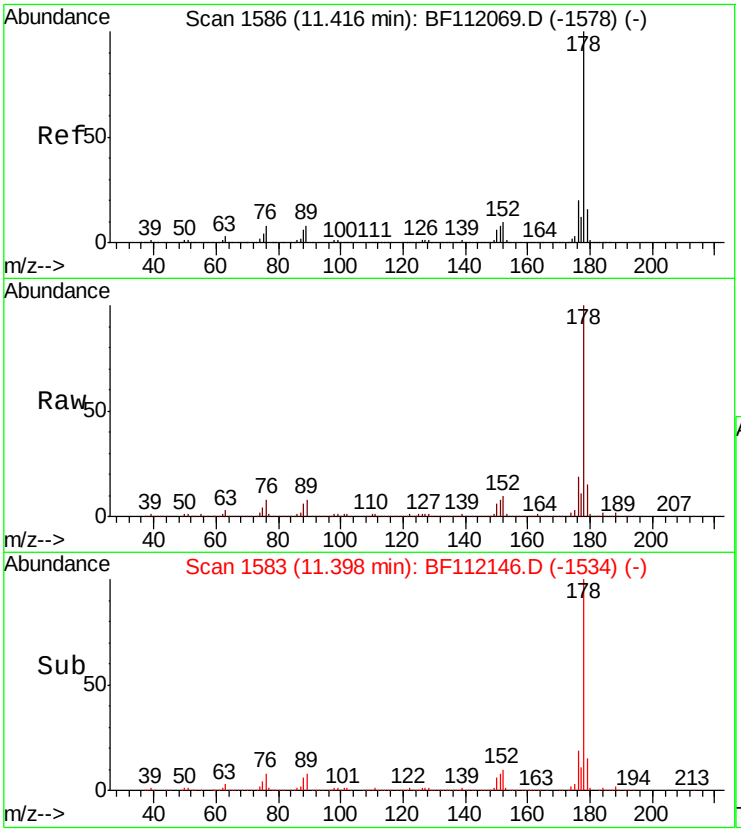




#65
4,6-Dinitro-2-methylphenol
Concen: 10.101 ng
RT: 10.75 min Scan# 1472
Delta R.T. 0.24 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:198 Resp: 120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 0.0 | 17.2 | 57.2# |
| 105 | 202.1 | 21.9 | 61.9# |



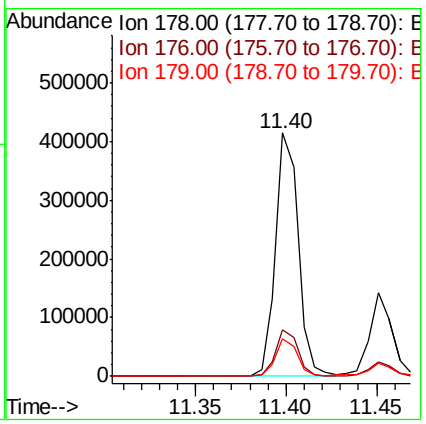


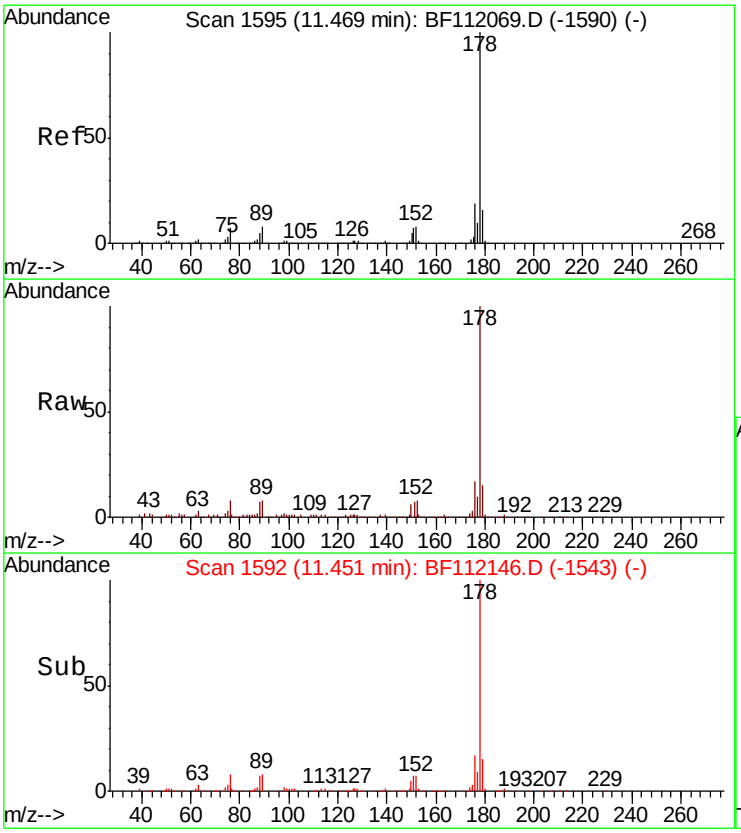

#71
Phenanthrene
Concen: 10.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:178 Resp: 362395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 16.3 | 24.5 |
| 179 | 15.5 | 13.0 | 19.4 |

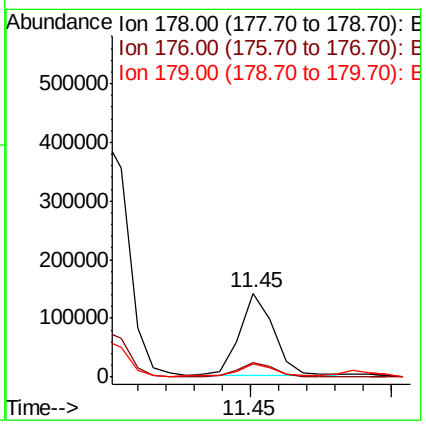


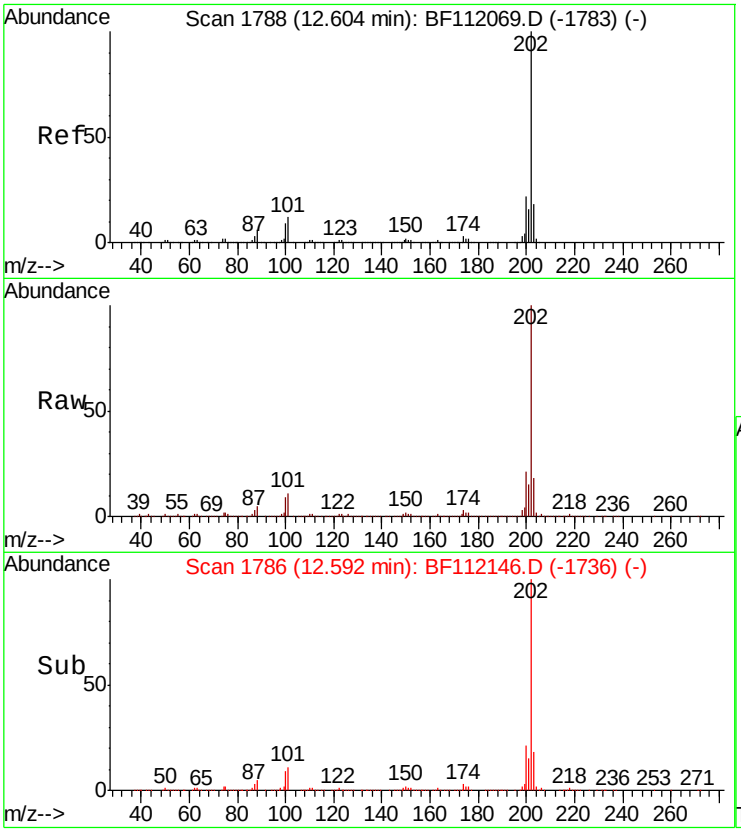




#72
Anthracene
Concen: 3.162 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:178 Resp: 116062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 16.8 | 15.5 | 23.3 |
| 179 | 15.2 | 12.8 | 19.2 |



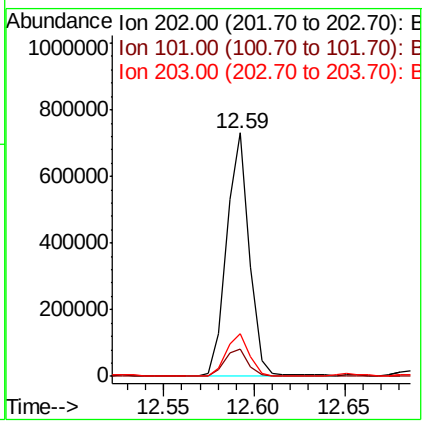


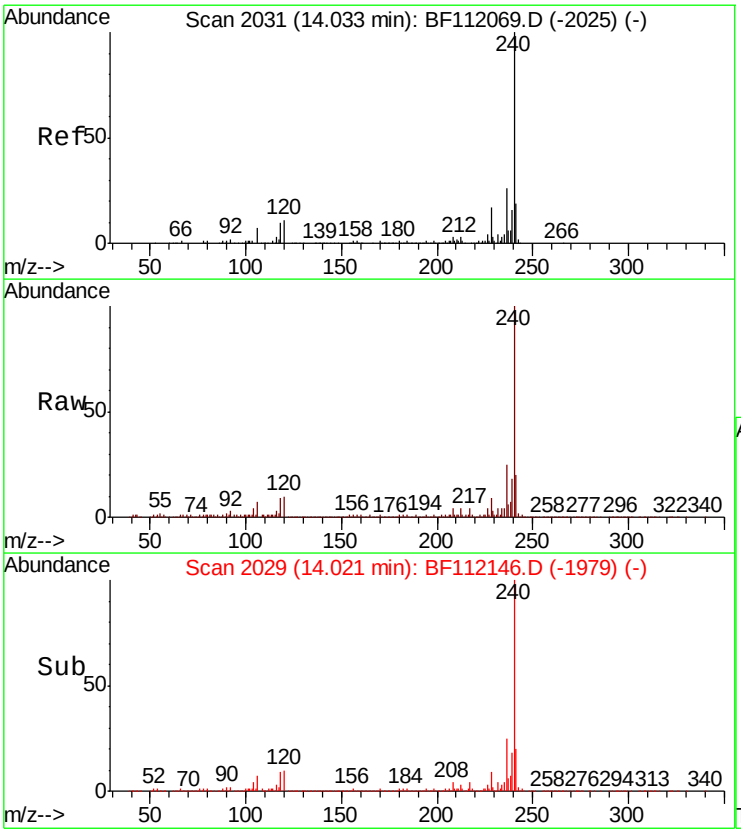

#75
Fluoranthene
Concen: 16.618 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:202 Resp: 635804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 31.8 |
| 203 | 17.7 | 0.0 | 38.4 |

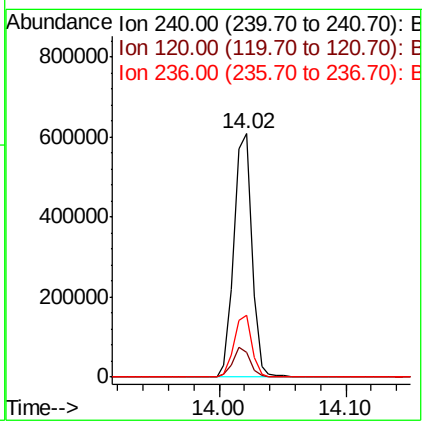


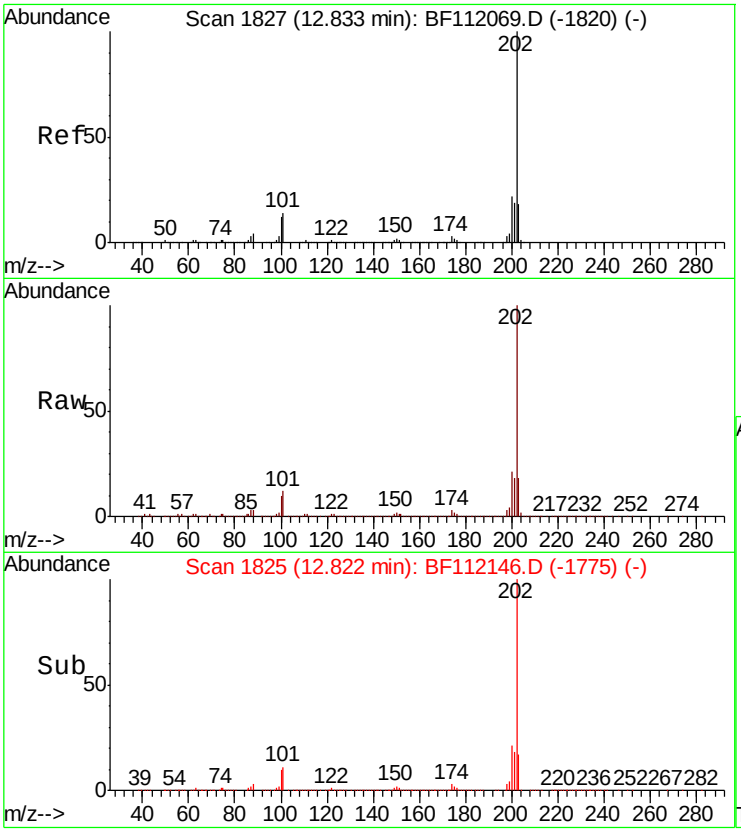




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:240 Resp: 590624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 9.0 | 13.6 |
| 236 | 25.3 | 20.7 | 31.1 |



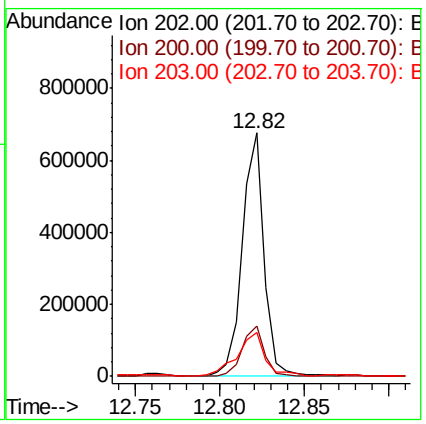


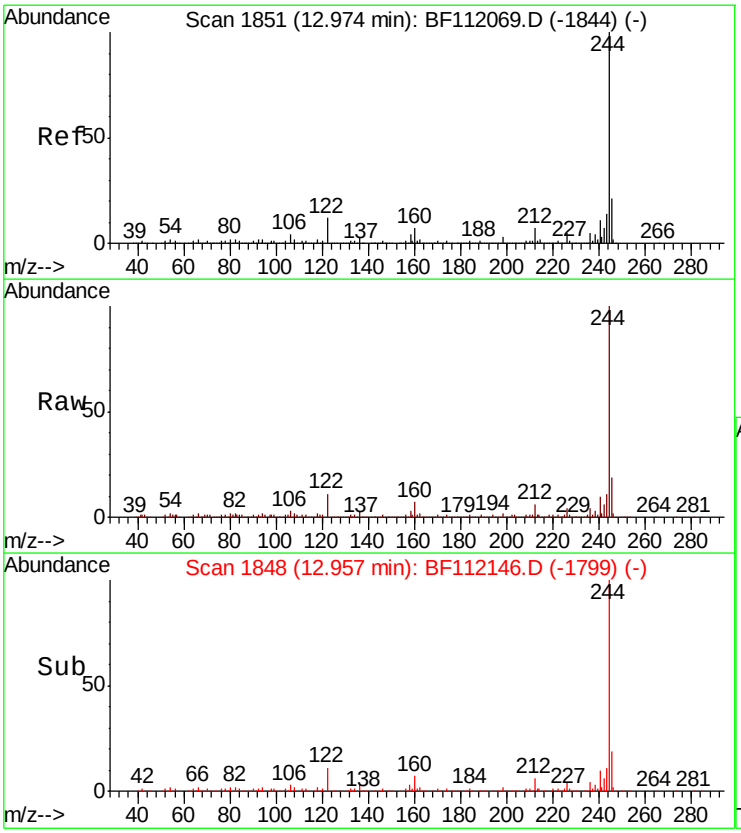

#78
Pyrene
Concen: 15.540 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:202 Resp: 605531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 17.7 | 26.5 |
| 203 | 18.1 | 14.6 | 22.0 |

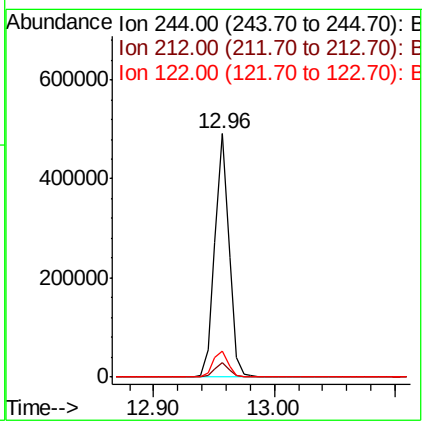


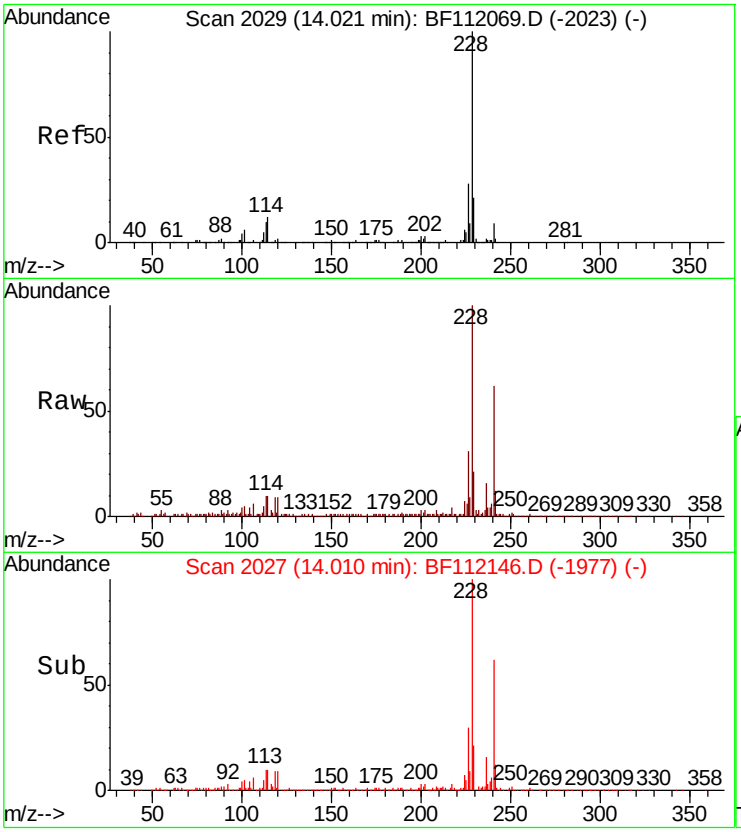




#79
Terphenyl-d14
Concen: 14.272 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:244 Resp: 396242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 5.9 | 5.9 | 8.9 |
| 122 | 10.6 | 9.8 | 14.6 |



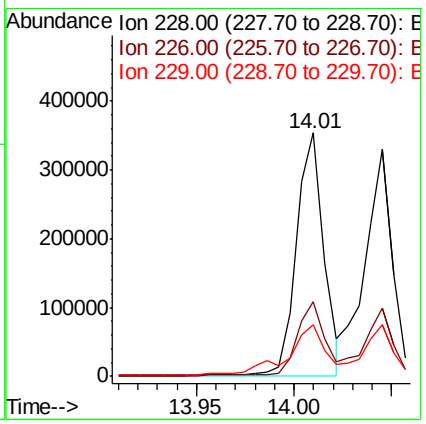


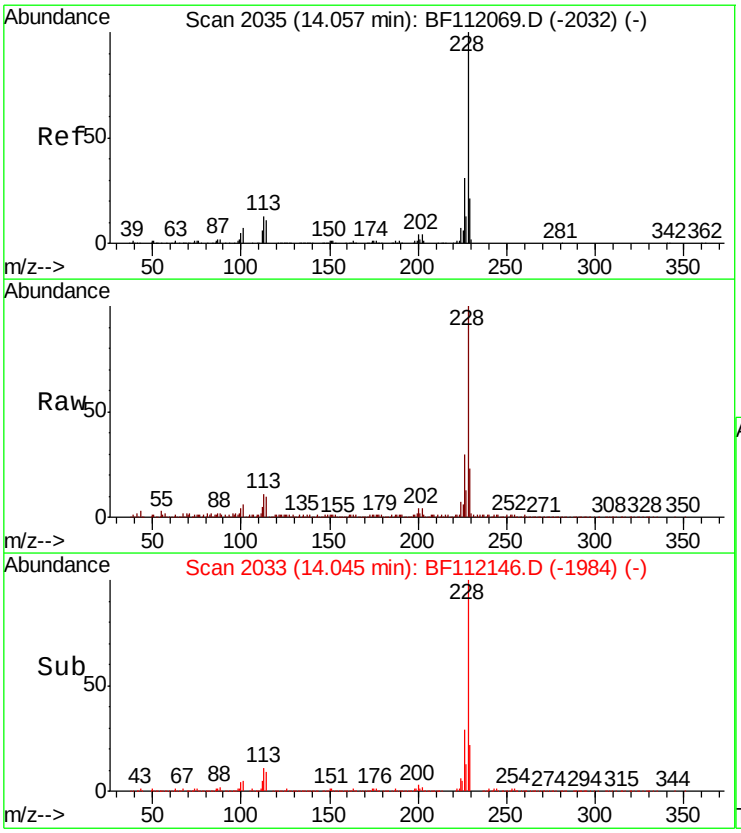

#81
Benzo(a)anthracene
Concen: 10.136 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:228 Resp: 343236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 22.6 | 34.0 |
| 229 | 21.4 | 16.5 | 24.7 |

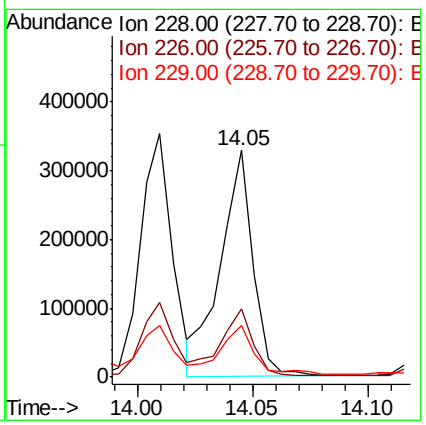


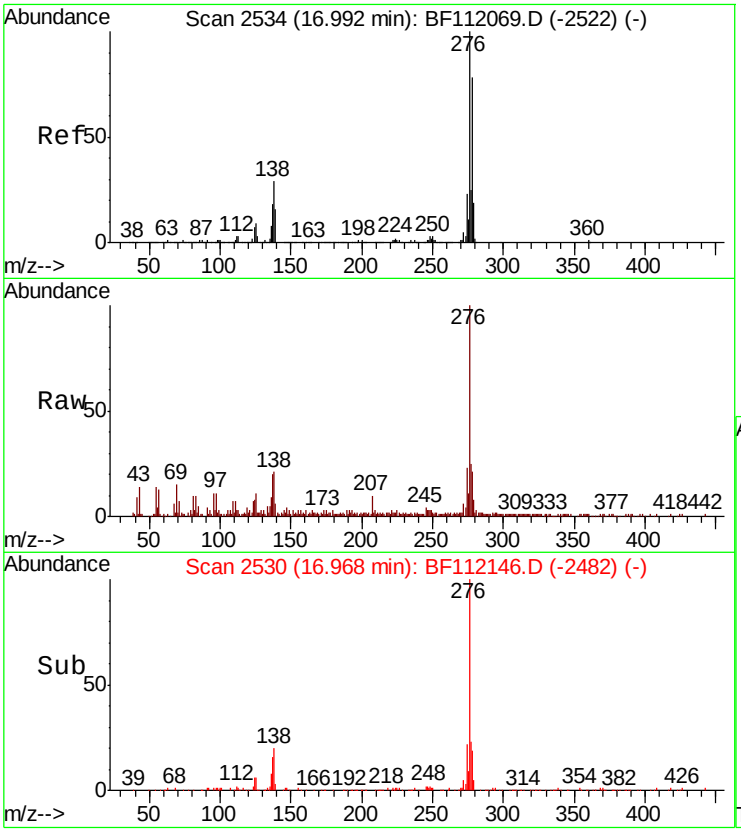




#83
Chrysene
Concen: 10.022 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:228 Resp: 321138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 25.0 | 37.6 |
| 229 | 22.9 | 16.6 | 24.8 |



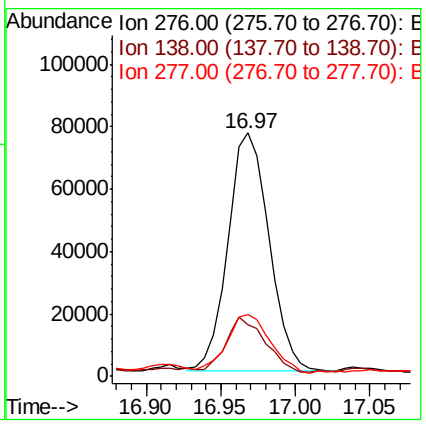


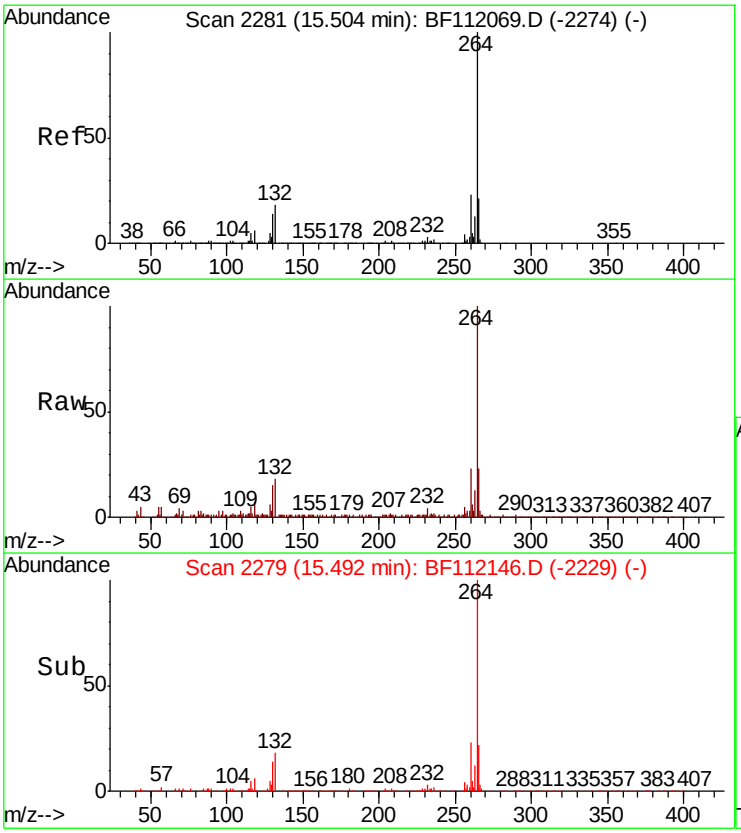

#86
Indeno(1,2,3-cd)pyrene
Concen: 4.972 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:276 Resp: 146990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.2 | 22.6 | 34.0# |
| 277 | 25.5 | 20.3 | 30.5 |

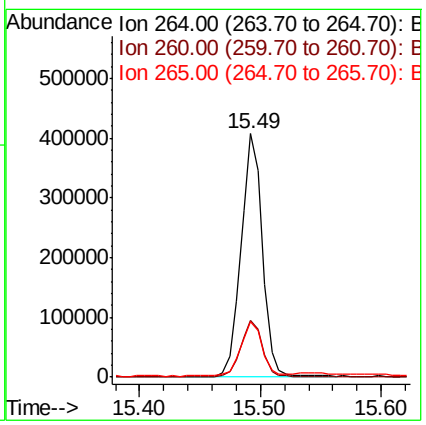


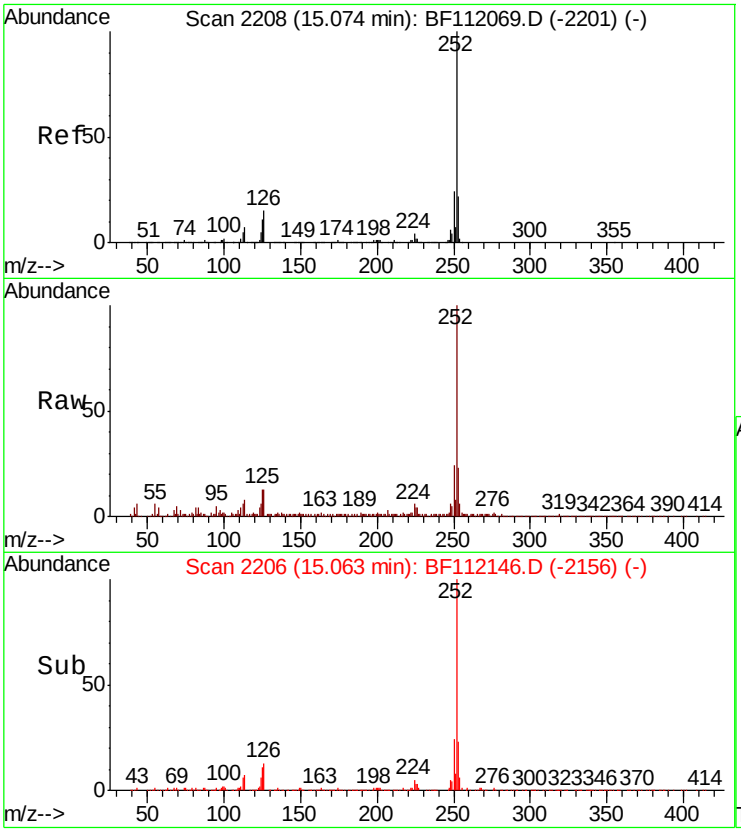




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:264 Resp: 499799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.2 | 27.2 |
| 265 | 22.6 | 17.0 | 25.4 |



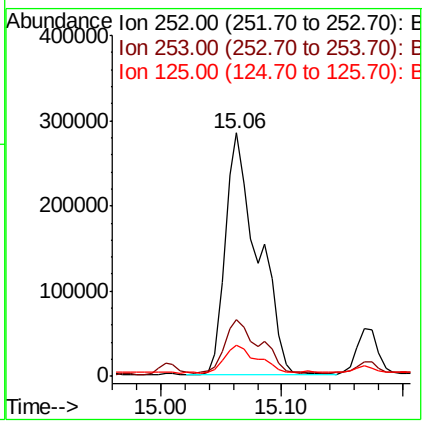


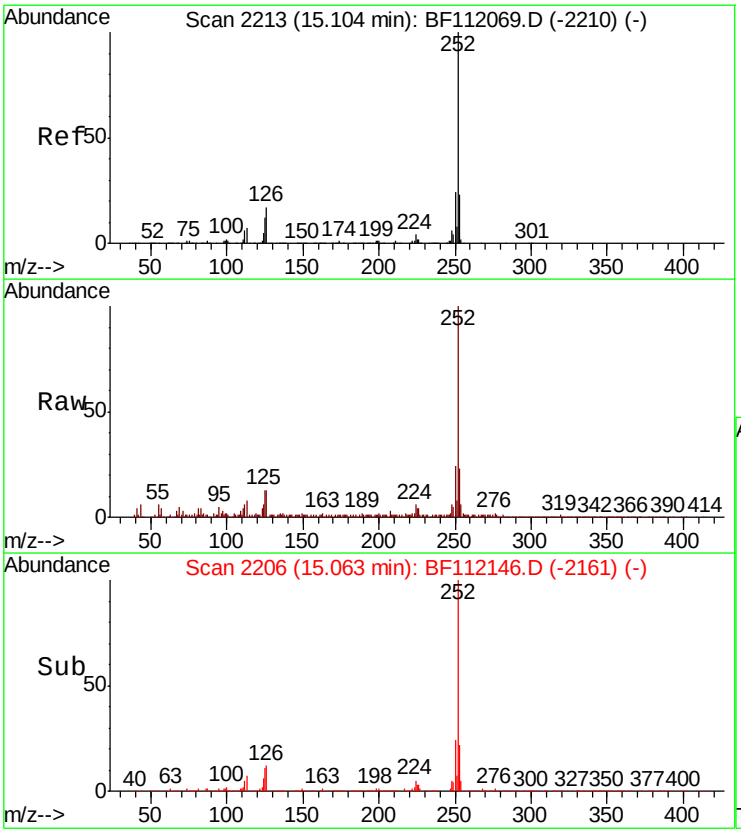

#88
Benzo(b)fluoranthene
Concen: 18.699 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:252 Resp: 530497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.0 | 27.0 |
| 125 | 12.6 | 8.7 | 13.1 |

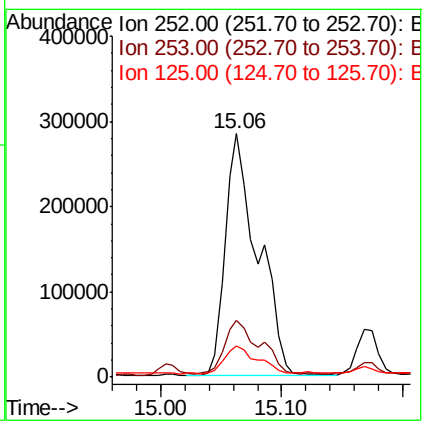


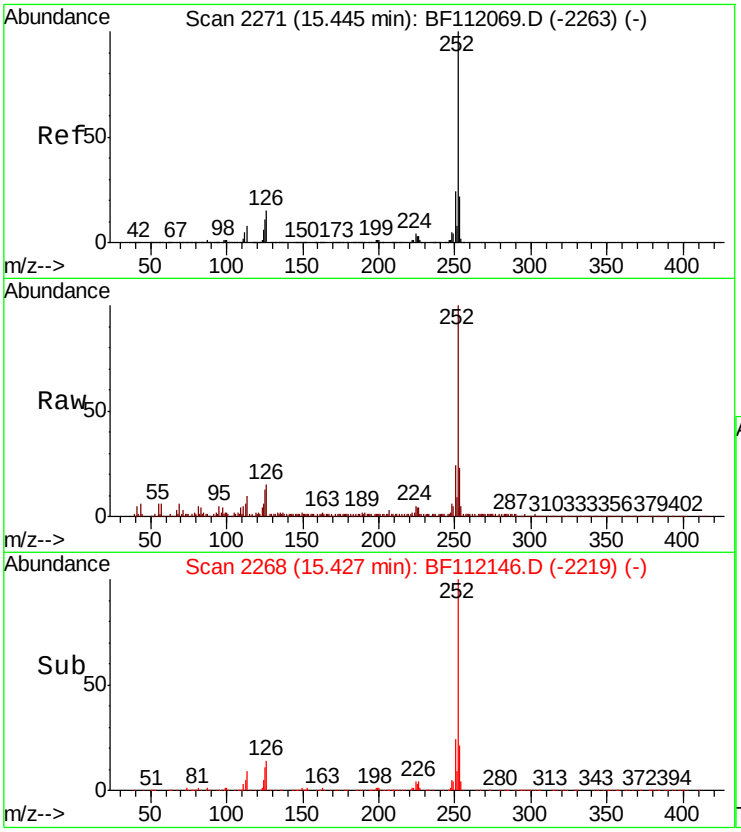




#89
Benzo(k)fluoranthene
Concen: 19.320 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:252 Resp: 530497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.0 | 27.0 |
| 125 | 12.6 | 9.1 | 13.7 |



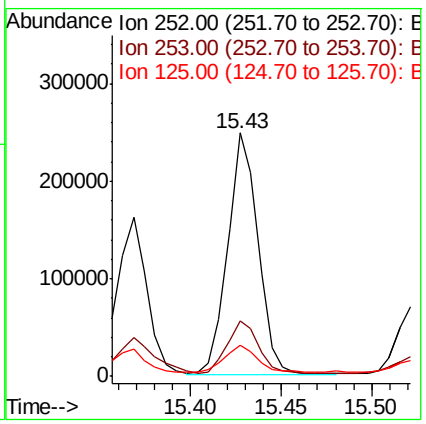


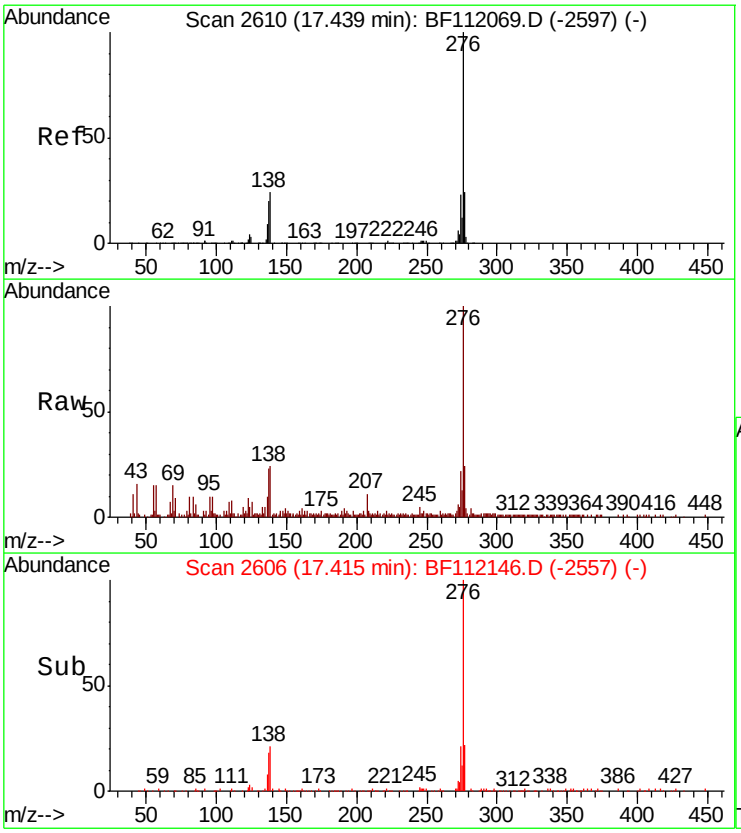

#90
Benzo(a)pyrene
Concen: 11.079 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-011719-A

Tgt Ion:252 Resp: 288260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.5 | 26.3 |
| 125 | 12.9 | 9.0 | 13.4 |




#92
Benzo(g,h,i)perylene
Concen: 6.263 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion:276 Resp: 142580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 19.4 | 29.0 |
| 138 | 23.8 | 19.1 | 28.7 |