Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001142.D
Acq On : 02 Dec 2019 23:12
Operator : JU
Sample : K5959-10DL 200X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :**

Quant Time: Dec 03 00:20:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.33 | 152 | 141165 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.36 | 136 | 510201 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 13.23 | 164 | 265079 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 15.63 | 188 | 502435 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 19.27 | 240 | 393734 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 21.05 | 264 | 435638 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.22 | 112 | 4272 | 0.50 | ng | | 0.00 |
| 7) Phenol-d6 | 7.76 | 99 | 6048 | 0.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 3368 | 0.29 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 14.52 | 330 | 968 | 0.38 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.14 | 172 | 6706 | 0.37 | ng | | -0.01 |
| 79) Terphenyl-d14 | 17.90 | 244 | 8842 | 0.42 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.64 | 77 | 97 | Below Cal | | # | 29 |
| 31) Naphthalene | 10.40 | 128 | 89559 | 3.437 | ng | | 98 |
| 49) Acenaphthylene | 12.99 | 152 | 65309 | 2.663 | ng | | 98 |
| 52) Acenaphthene | 13.28 | 154 | 62294 | 4.222 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 13.32 | 184 | 16 | 7.117 | ng | # | 1 |
| 55) Dibenzofuran | 13.56 | 168 | 78790 | 3.554 | ng | | 97 |
| 56) 4-Nitrophenol | 13.56 | 139 | 33419 | 9.893 | ng | # | 1 |
| 58) Fluorene | 14.13 | 166 | 70033 | 3.942 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 14.20 | 198 | 11 | 6.281 | ng | # | 1 |
| 71) Phenanthrene | 15.66 | 178 | 1189893 | 45.047 | ng | | 100 |
| 72) Anthracene | 15.74 | 178 | 264919 | 10.175 | ng | | 99 |
| 73) Carbazole | 15.98 | 167 | 73246 | 3.092 | ng | | 99 |
| 75) Fluoranthene | 17.37 | 202 | 1454589 | 52.016 | ng | | 100 |
| 78) Pyrene | 17.68 | 202 | 1313379 | 42.352 | ng | | 98 |
| 81) Benzo(a)anthracene | 19.26 | 228 | 635475 | 23.278 | ng | | 99 |
| 83) Chrysene | 19.30 | 228 | 575734 | 23.552 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 22.70 | 276 | 241489 | 8.382 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 20.56 | 252 | 849289 | 31.918 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 20.56 | 252 | 849289 | 33.139 | ng | | 96 |
| 90) Benzo(a)pyrene | 20.98 | 252 | 471868 | 19.253 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 22.72 | 278 | 64977 | 2.709 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 23.19 | 276 | 213818 | 9.028 | ng | | 96 |

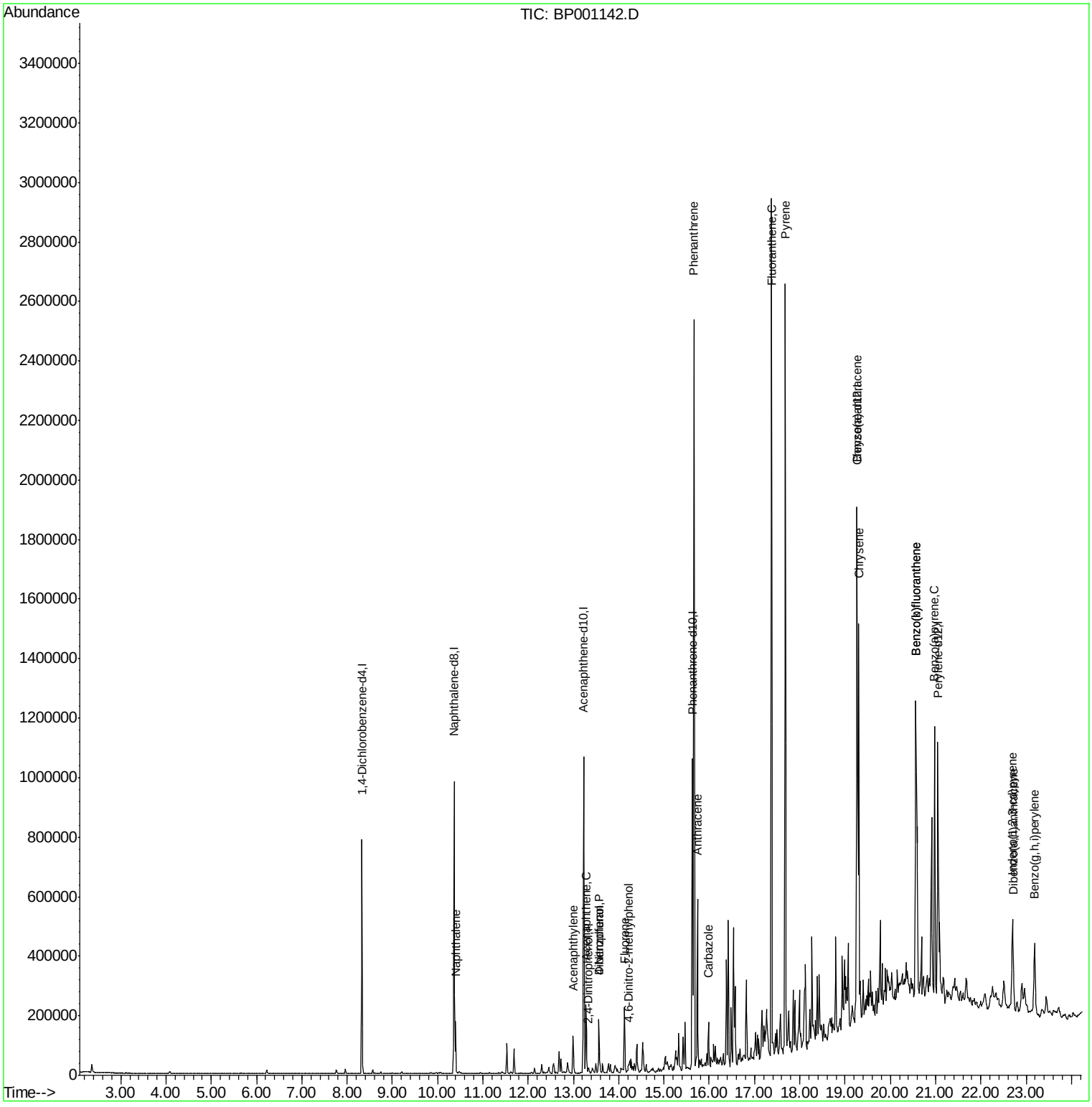
(#) = qualifier out of range (m) = manual integration (+) = signals summed

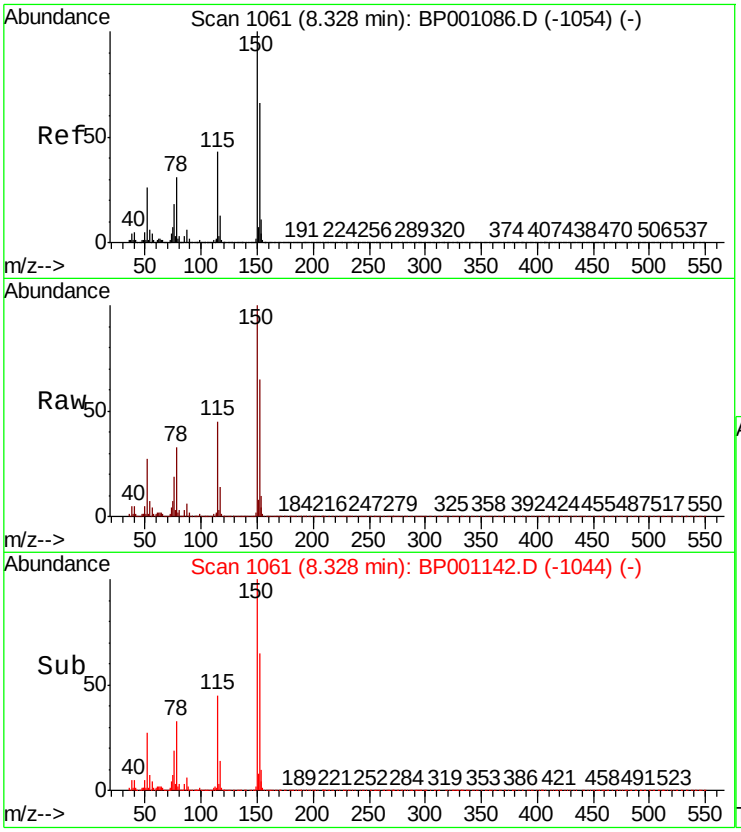
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001142.D
Acq On : 02 Dec 2019 23:12
Operator : JU
Sample : K5959-10DL 200X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**

Quant Time: Dec 03 00:20:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration



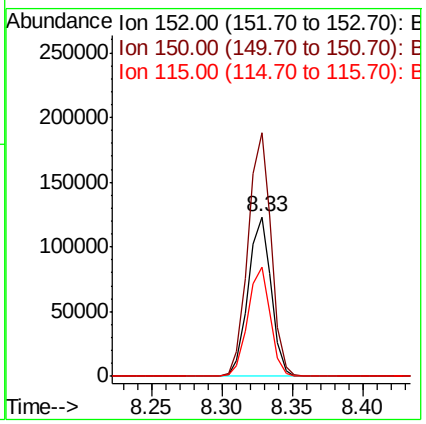


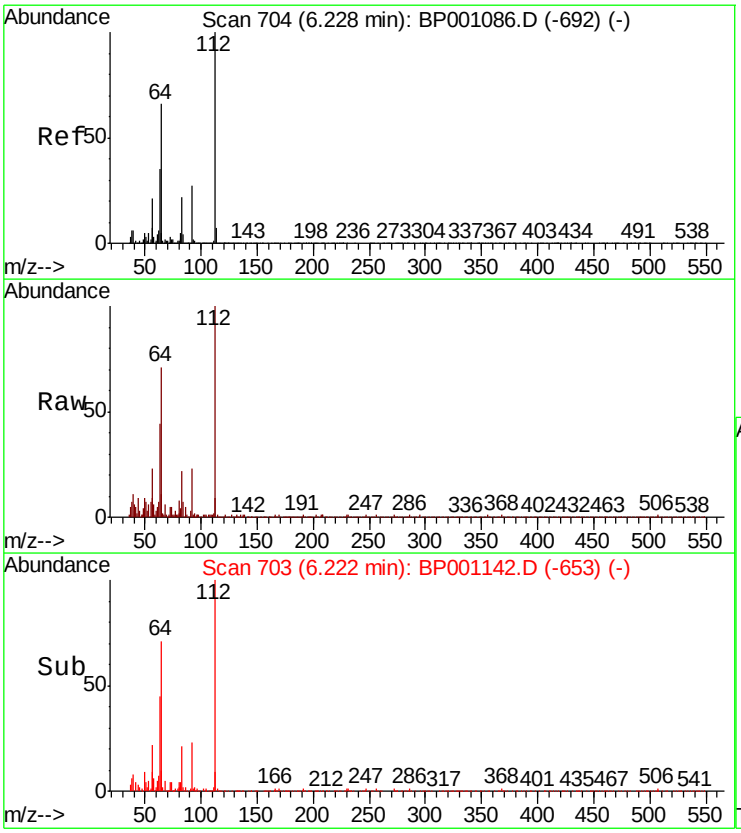

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:152 Resp: 141165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.9 | 120.6 | 181.0 |
| 115 | 68.4 | 51.6 | 77.4 |

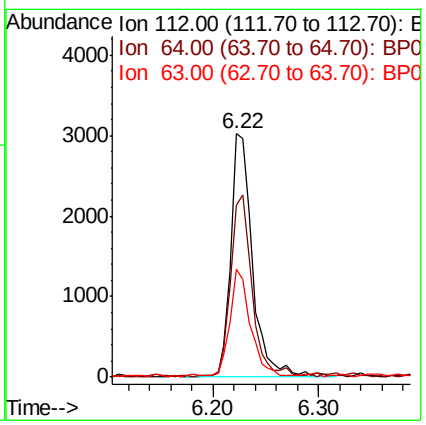


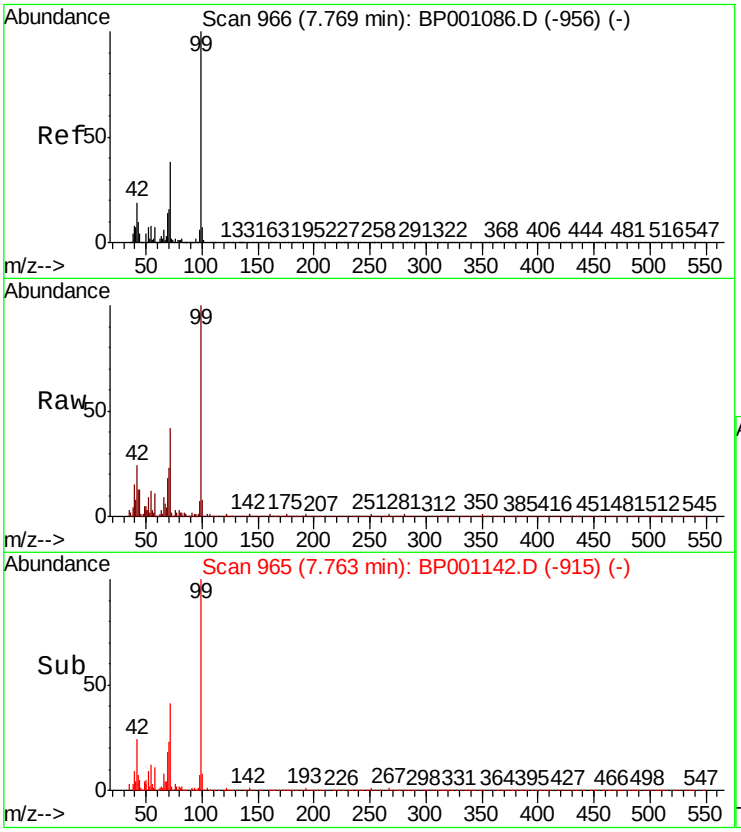




#5
2-Fluorophenol
Concen: 0.502 ng
RT: 6.22 min Scan# 703
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:112 Resp: 4272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.8 | 52.8 | 79.2 |
| 63 | 44.3 | 28.2 | 42.2# |



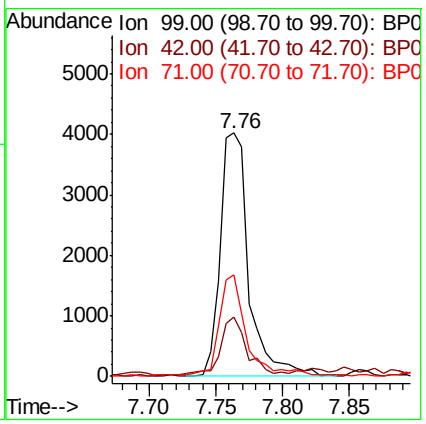


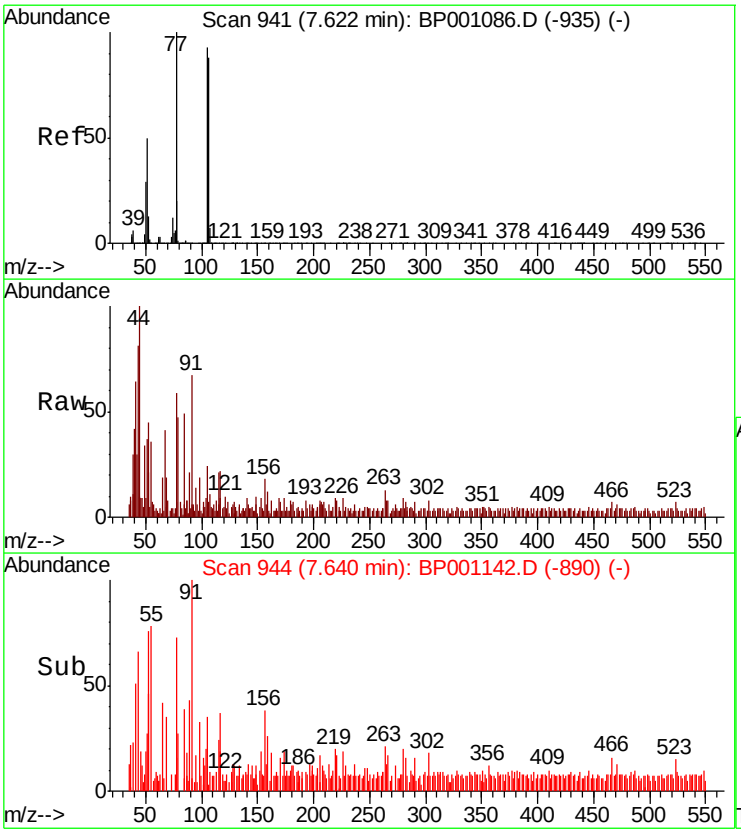

#7
Phenol-d6
Concen: 0.534 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion: 99 Resp: 6048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.5 | 15.4 | 23.0# |
| 71 | 41.6 | 30.8 | 46.2 |

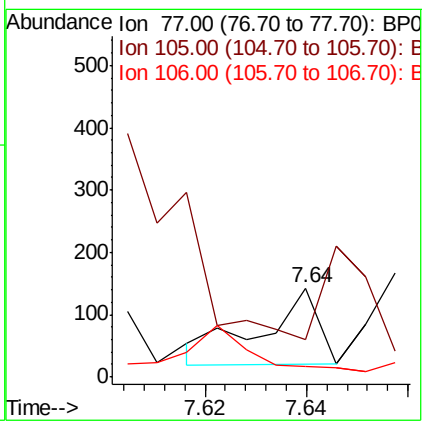


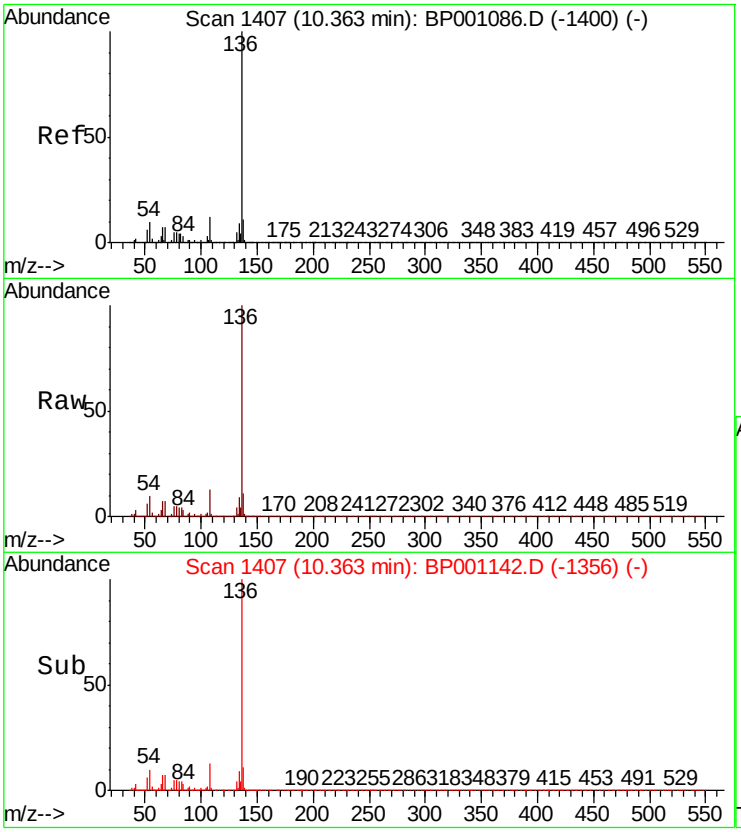




#9
Benzaldehyde
Concen: Below Cal
RT: 7.64 min Scan# 944
Delta R.T. 0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion: 77 Resp: 97

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 36.6 | 72.5 | 112.5# |
| 106 | 9.9 | 67.6 | 107.6# |



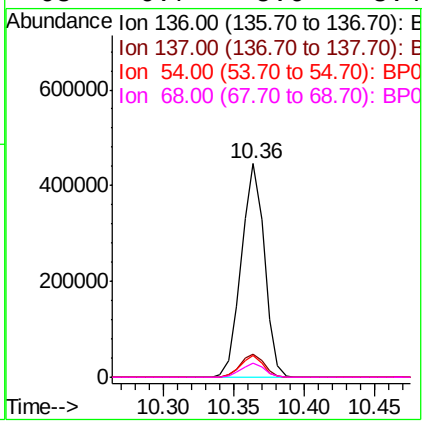


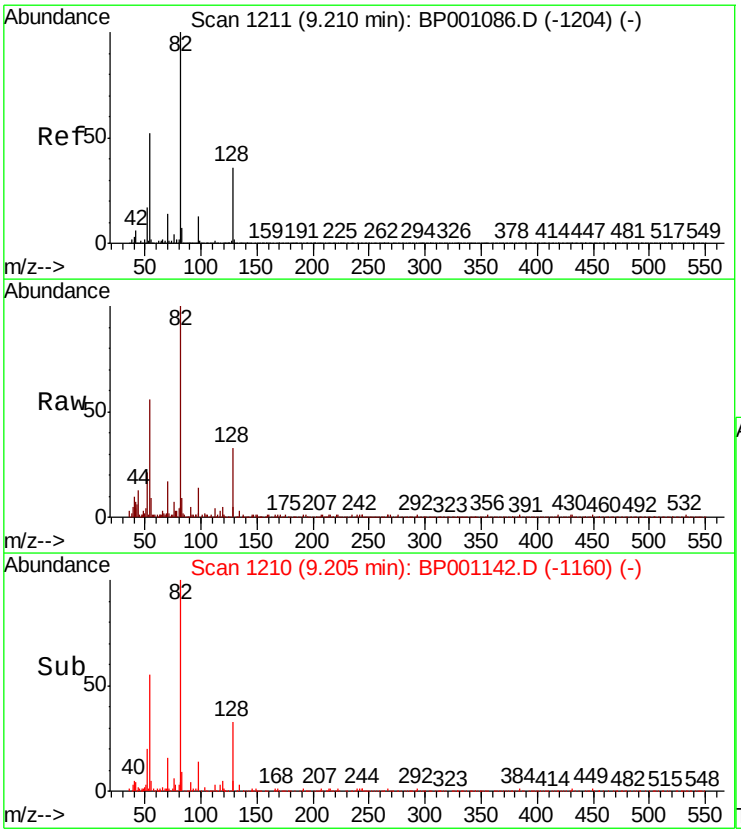

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:136 Resp: 510201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 10.0 | 7.9 | 11.9 |
| 68 | 6.7 | 5.6 | 8.4 |

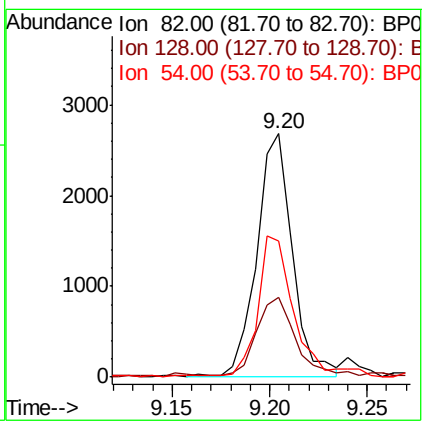


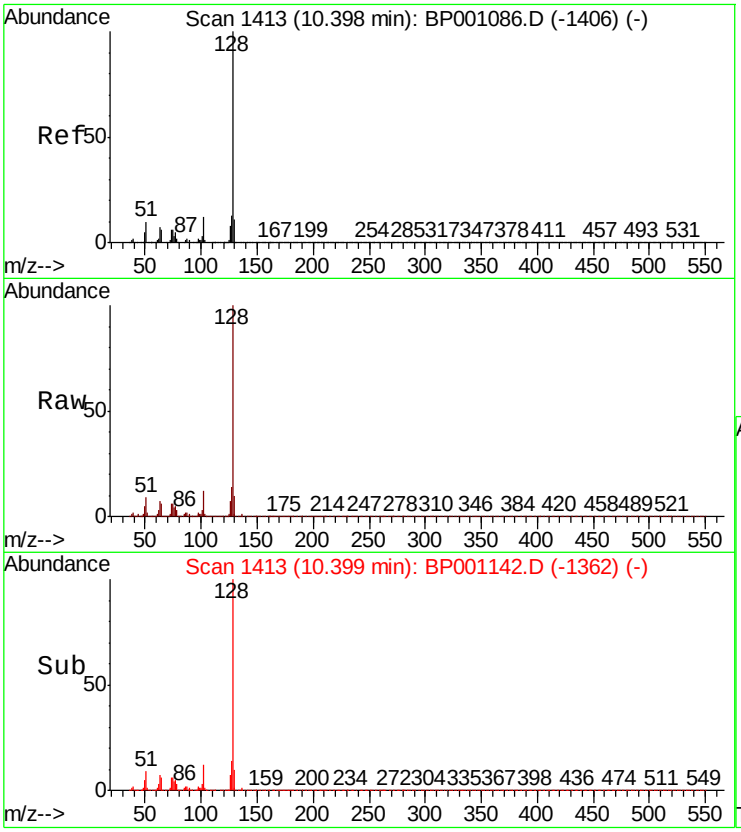




#23
Nitrobenzene-d5
Concen: 0.286 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion: 82 Resp: 3368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.0 | 28.9 | 43.3 |
| 54 | 55.9 | 41.9 | 62.9 |



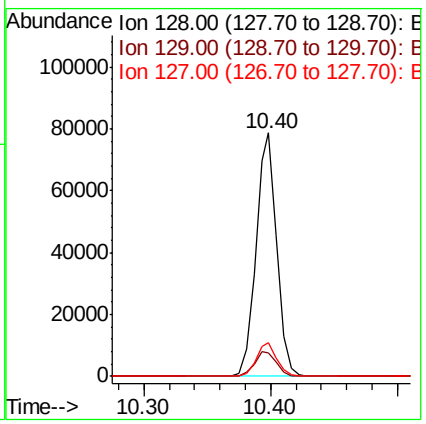


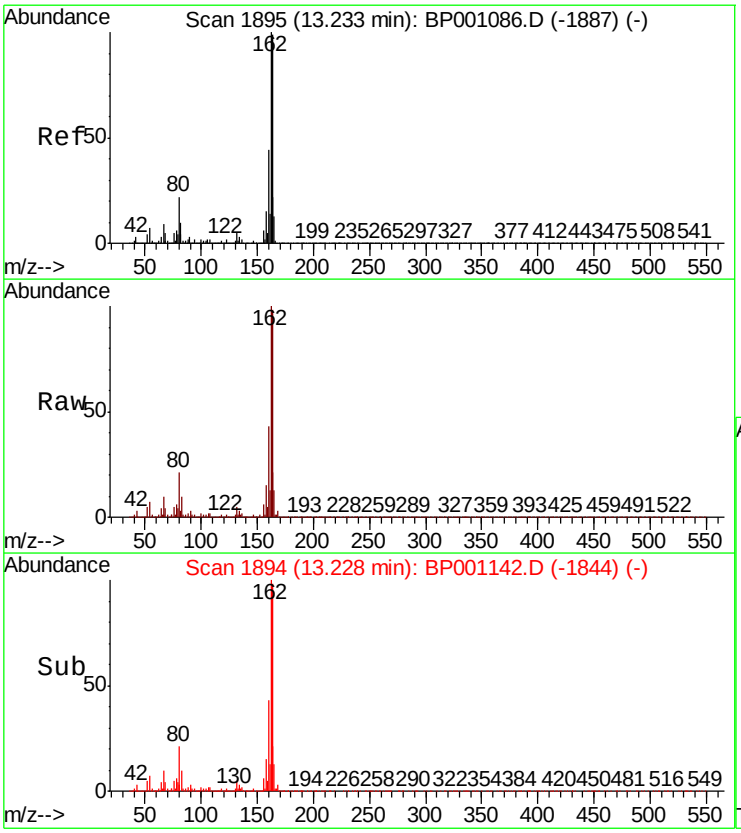

#31
Naphthalene
Concen: 3.437 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:128 Resp: 89559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.8 | 8.8 | 13.2 |
| 127 | 14.0 | 10.6 | 16.0 |

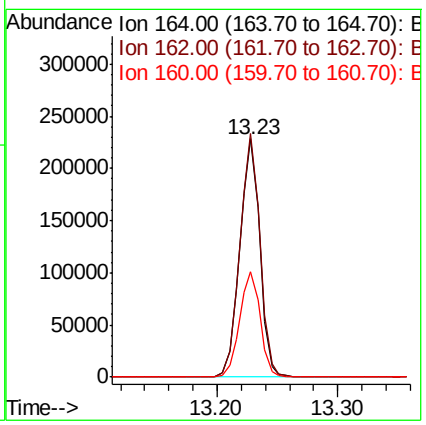


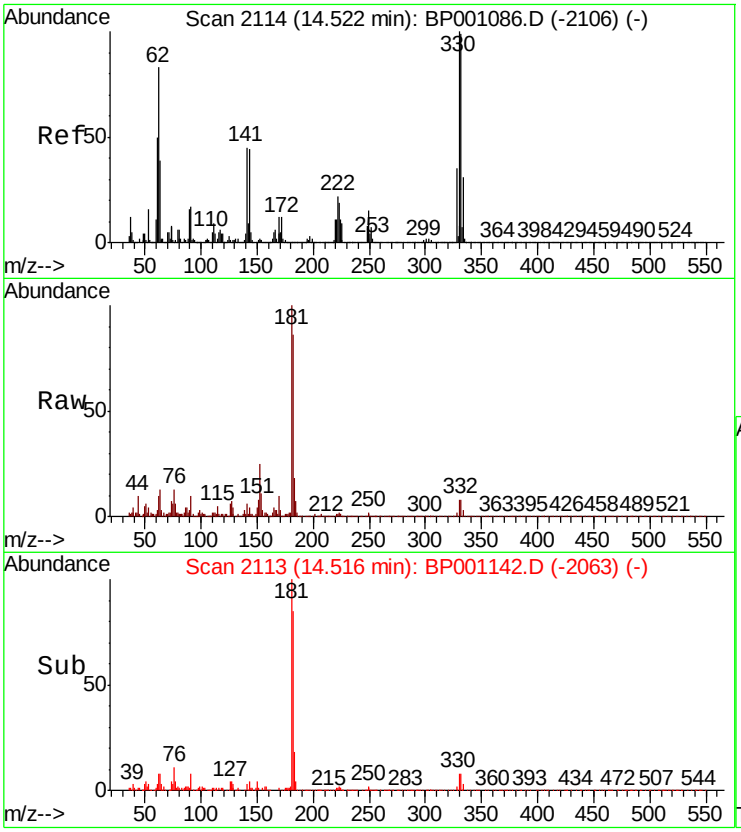




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:164 Resp: 265079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 80.6 | 120.8 |
| 160 | 44.2 | 35.4 | 53.2 |



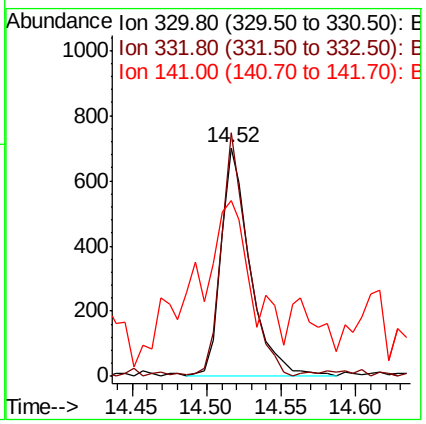


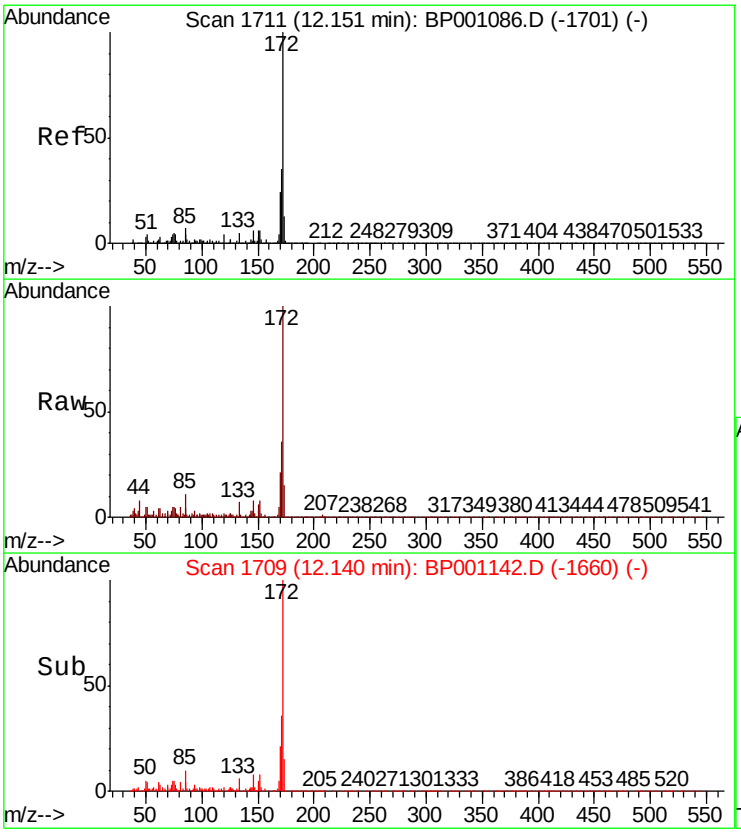

#42
2,4,6-Tribromophenol
Concen: 0.381 ng
RT: 14.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:330 Resp: 968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.9 | 77.6 | 116.4 |
| 141 | 148.7 | 34.2 | 51.2# |

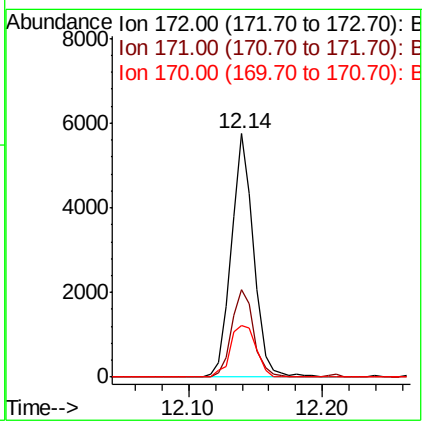


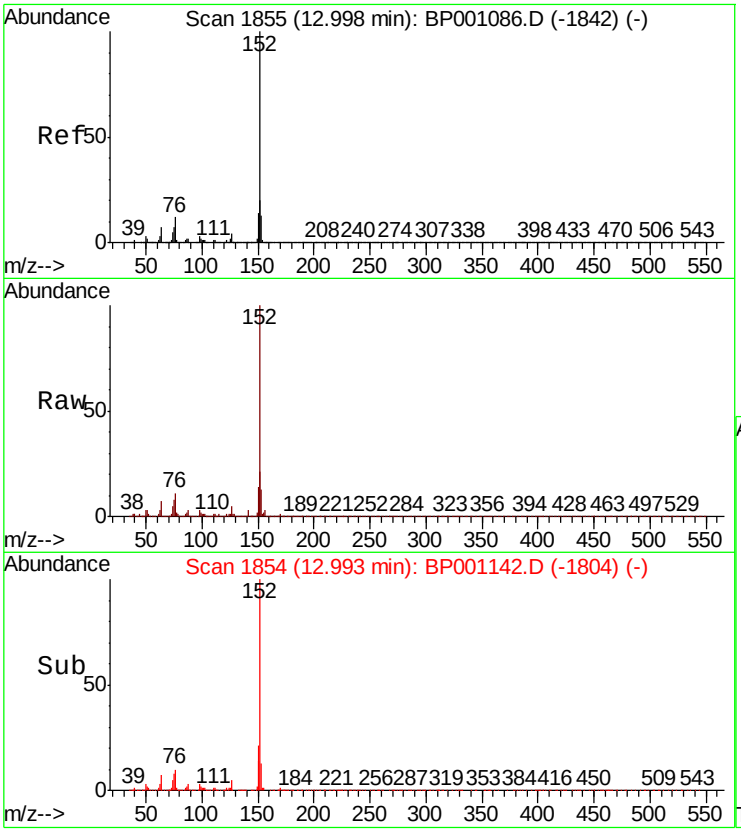




#45
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.14 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:172 Resp: 6706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 27.9 | 41.9 |
| 170 | 21.1 | 19.0 | 28.4 |



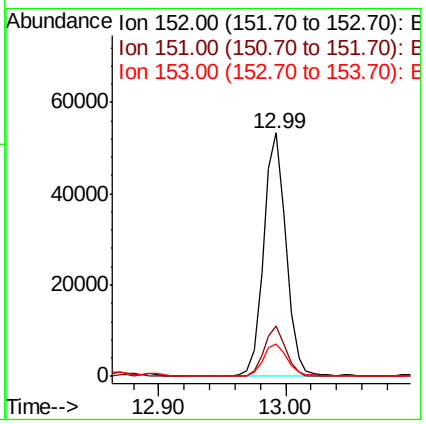


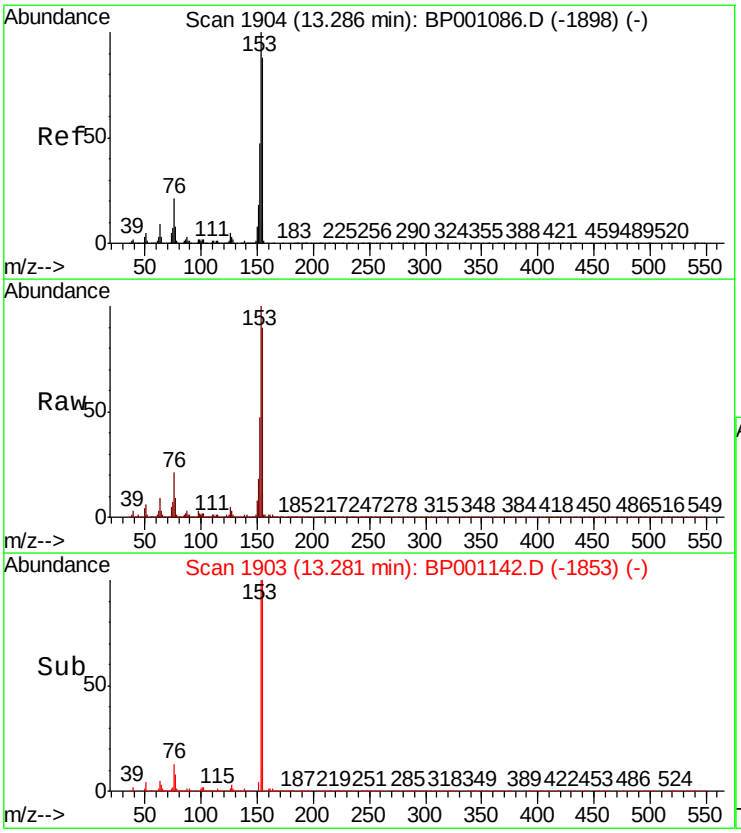

#49
Acenaphthylene
Concen: 2.663 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:152 Resp: 65309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 15.8 | 23.8 |
| 153 | 13.4 | 10.2 | 15.4 |

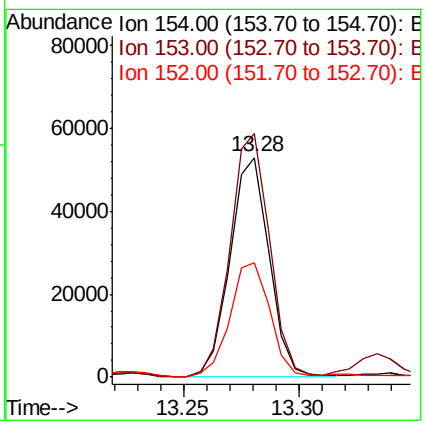


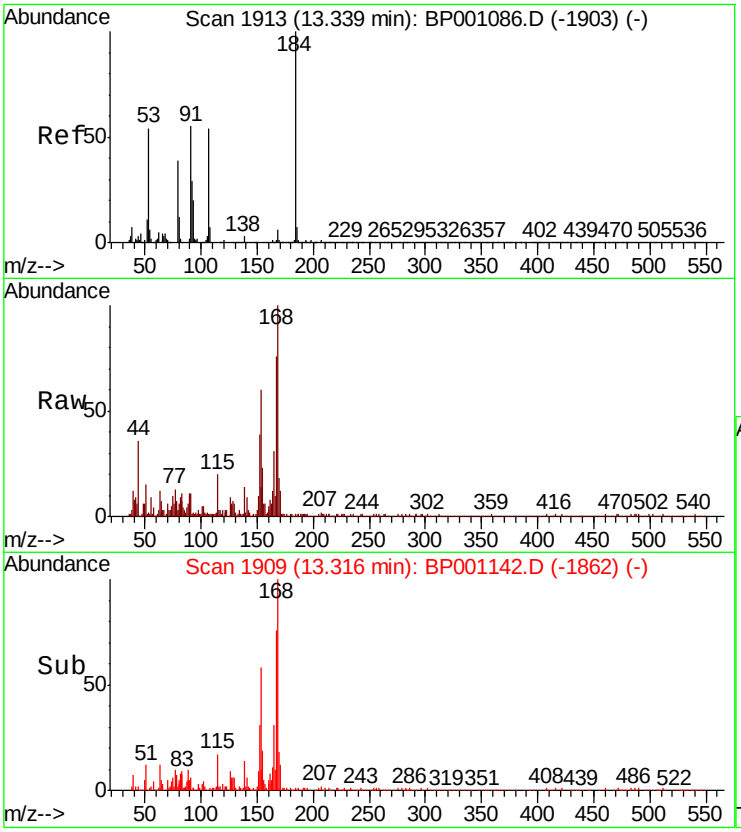




#52
Acenaphthene
Concen: 4.222 ng
RT: 13.28 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:154 Resp: 62294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.8 | 90.5 | 135.7 |
| 152 | 52.1 | 42.6 | 64.0 |



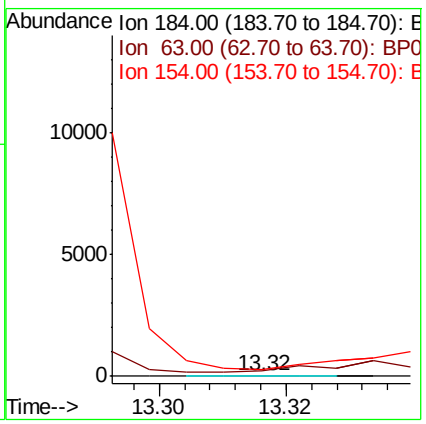


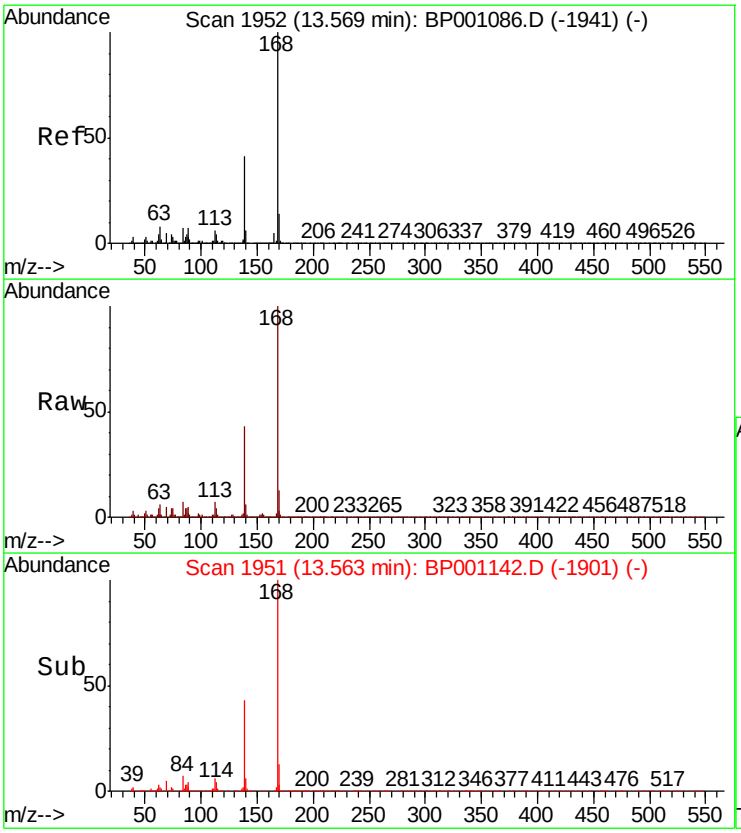

#54
2,4-Dinitrophenol
Concen: 7.117 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:184 Resp: 16

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 961.5 | 60.7 | 91.1# |
| 154 | 1119.2 | 56.2 | 84.2# |

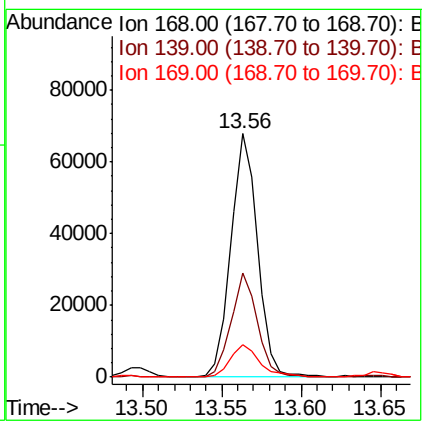


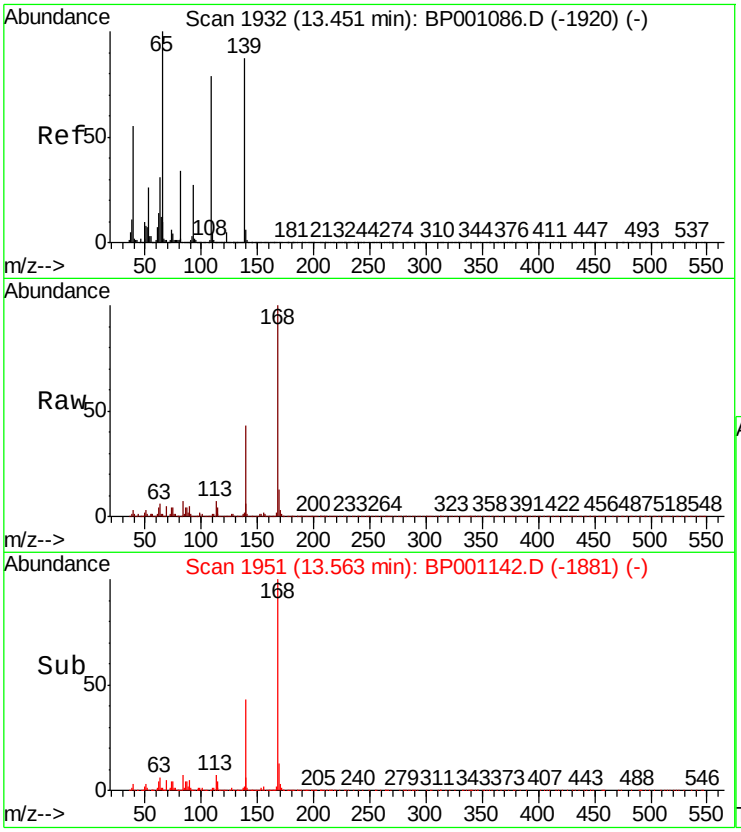




#55
Dibenzofuran
Concen: 3.554 ng
RT: 13.56 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:168 Resp: 78790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.0 | 32.8 | 49.2 |
| 169 | 13.4 | 10.9 | 16.3 |



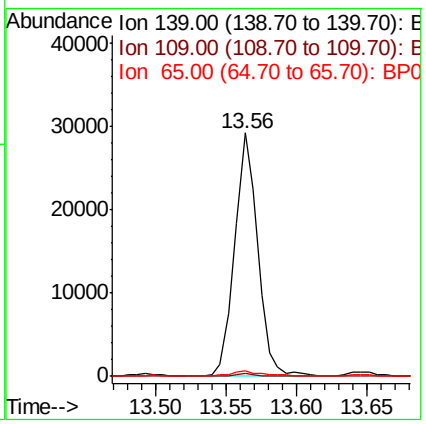


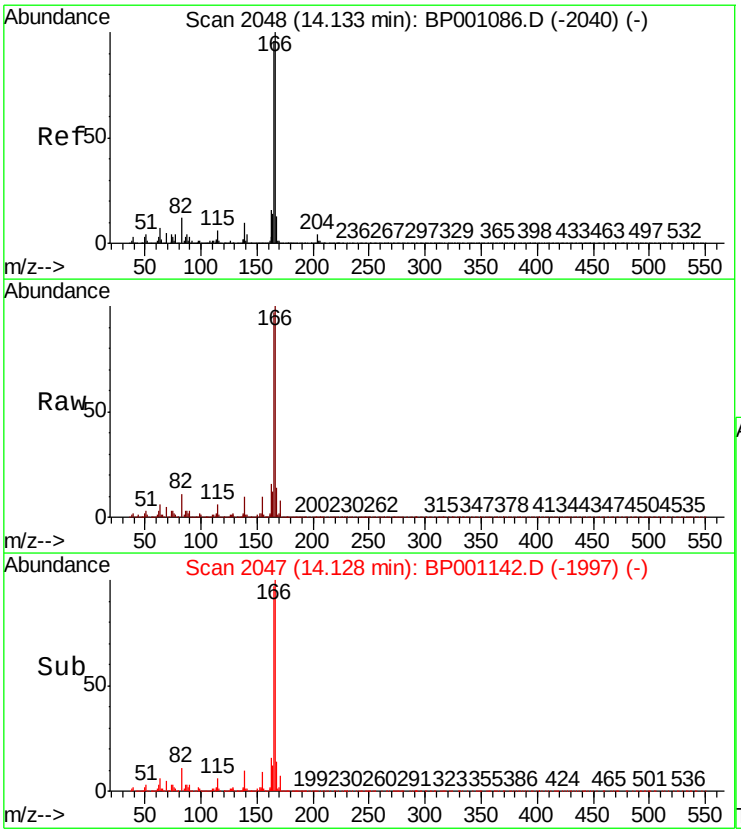

#56
4-Nitrophenol
Concen: 9.893 ng
RT: 13.56 min Scan# 1951
Delta R.T. 0.11 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:139 Resp: 33419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 1.0 | 70.9 | 110.9# |
| 65 | 2.1 | 95.2 | 135.2# |

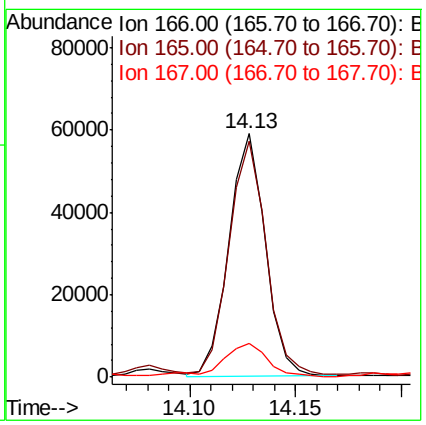


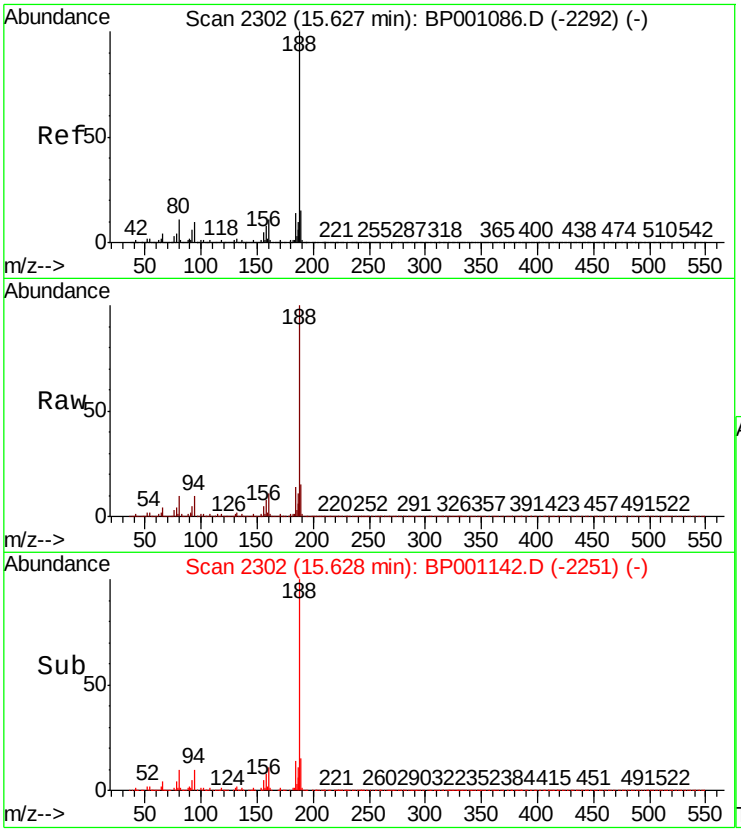




#58
Fluorene
Concen: 3.942 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:166 Resp: 70033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.8 | 76.7 | 115.1 |
| 167 | 13.9 | 10.5 | 15.7 |



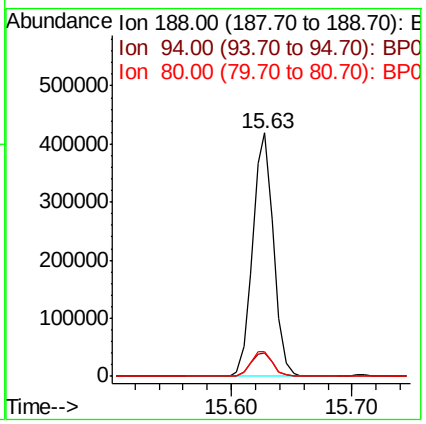


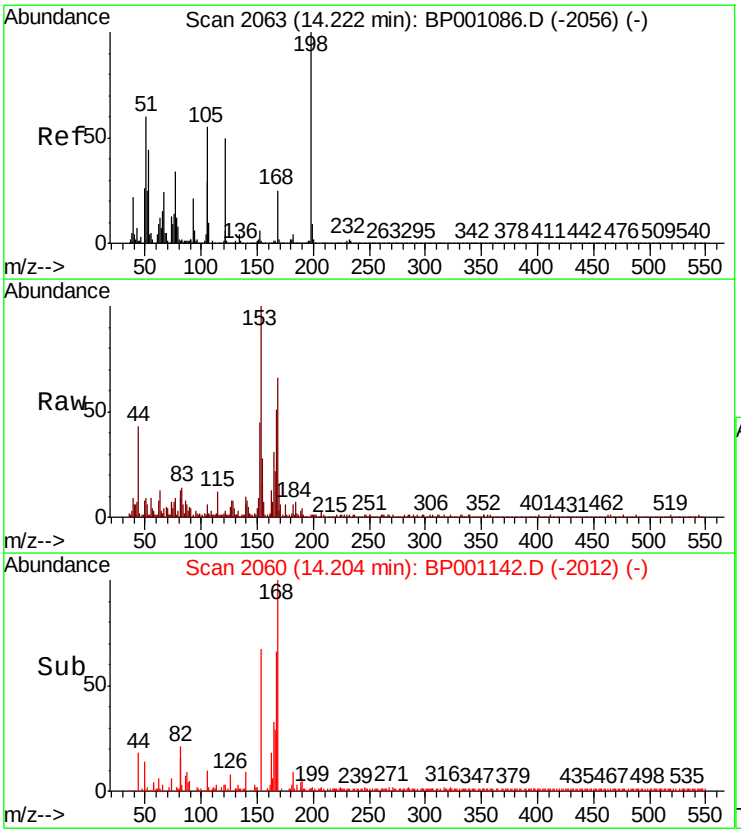

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:188 Resp: 502435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 7.9 | 11.9 |
| 80 | 10.4 | 8.8 | 13.2 |

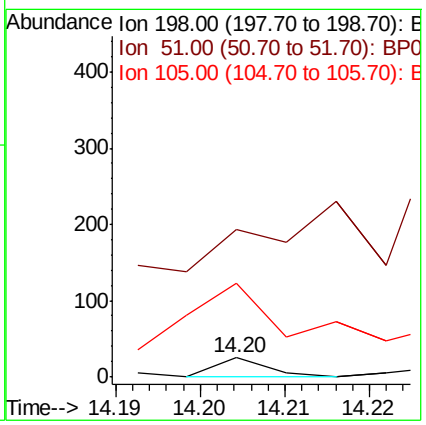


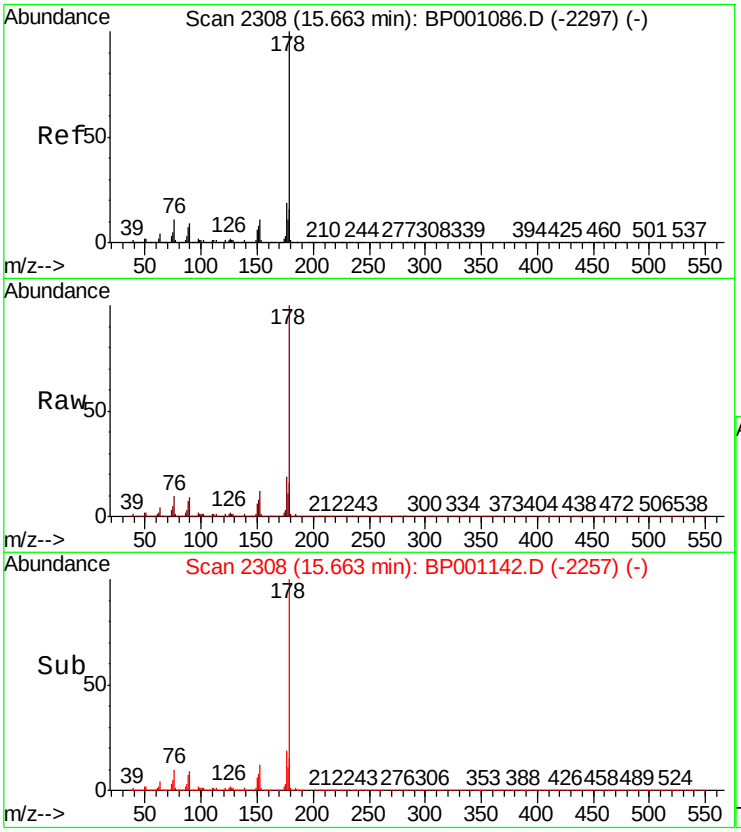




#65
4,6-Dinitro-2-methylphenol
Concen: 6.281 ng
RT: 14.20 min Scan# 2060
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:198 Resp: 11

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 772.0 | 40.5 | 80.5# |
| 105 | 492.0 | 35.7 | 75.7# |



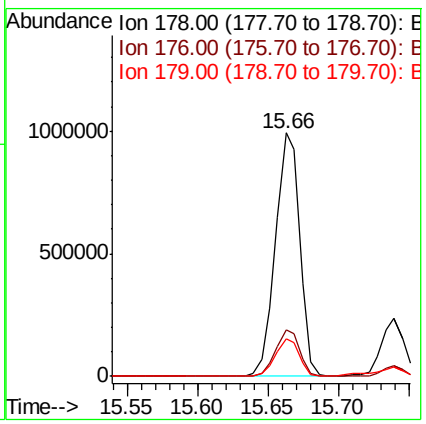


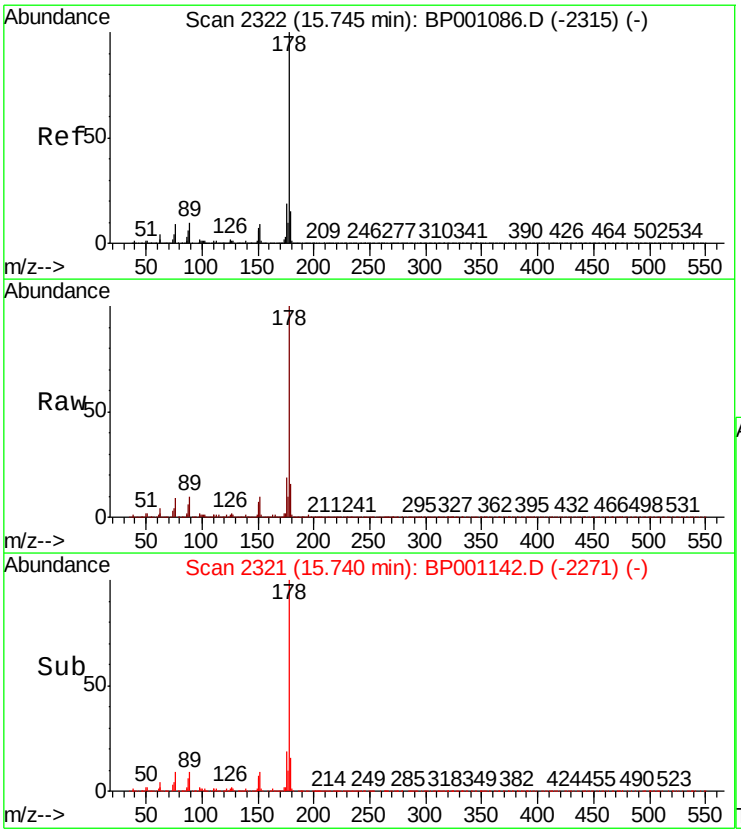

#71
Phenanthrene
Concen: 45.047 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:178 Resp: 1189893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.5 | 12.5 | 18.7 |

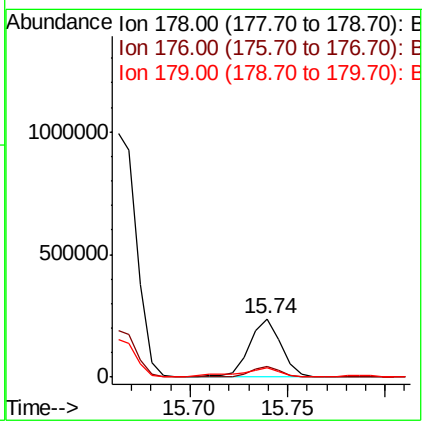


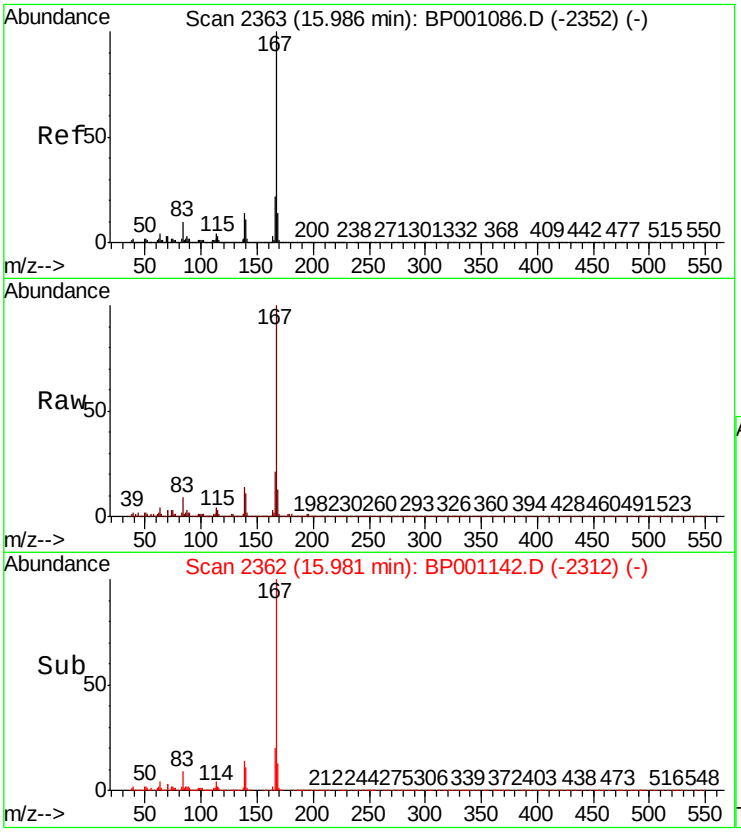




#72
Anthracene
Concen: 10.175 ng
RT: 15.74 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:178 Resp: 264919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.8 | 12.2 | 18.4 |



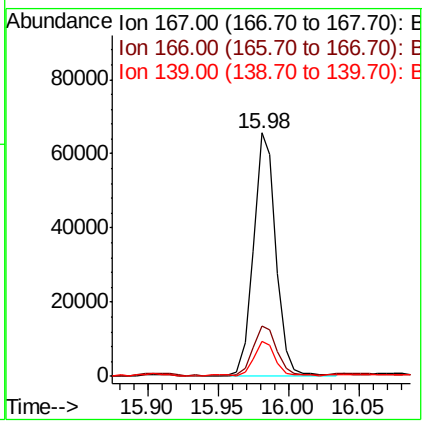


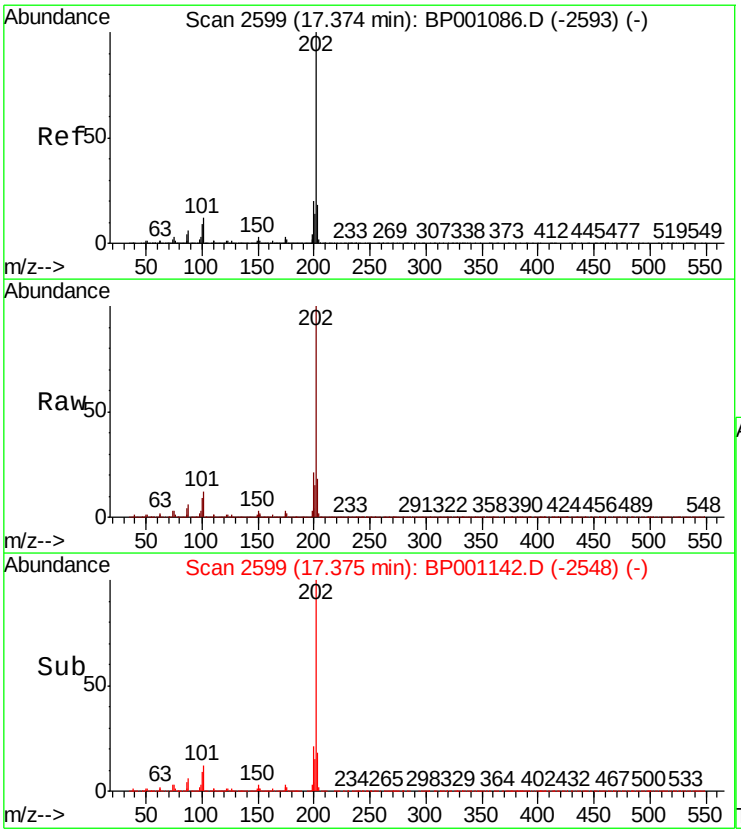

#73
Carbazole
Concen: 3.092 ng
RT: 15.98 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:167 Resp: 73246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.7 | 17.2 | 25.8 |
| 139 | 14.1 | 11.3 | 16.9 |

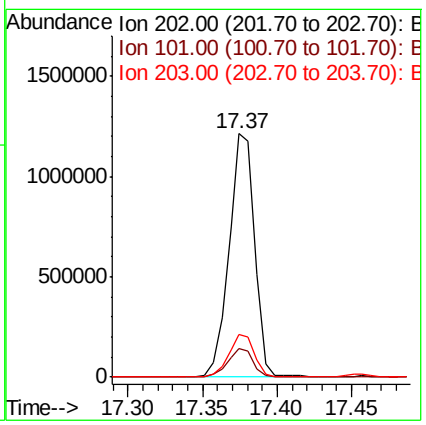


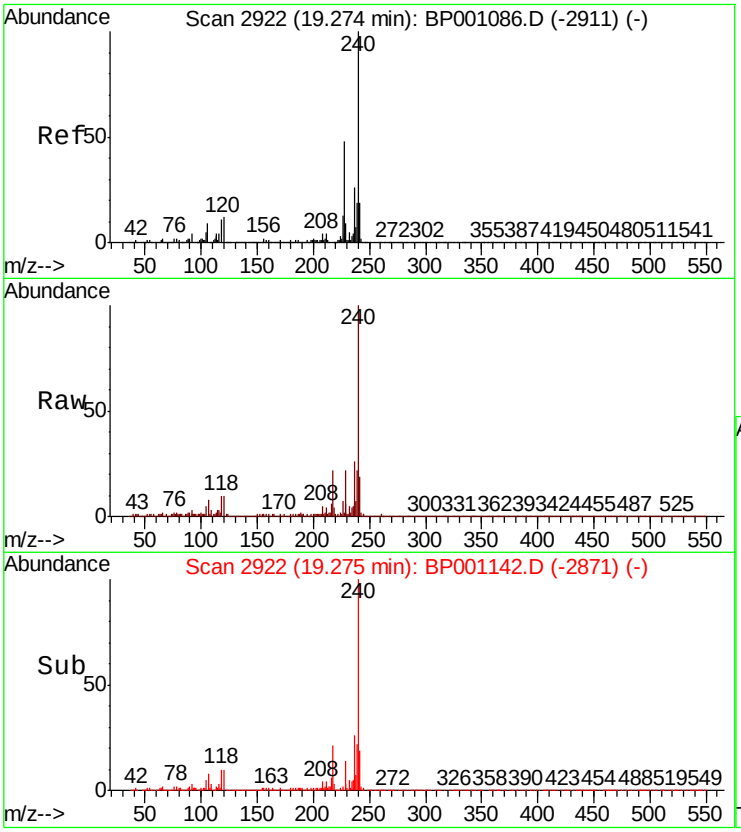




#75
Fluoranthene
Concen: 52.016 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:202 Resp: 1454589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 0.0 | 32.1 |
| 203 | 17.8 | 0.0 | 37.8 |



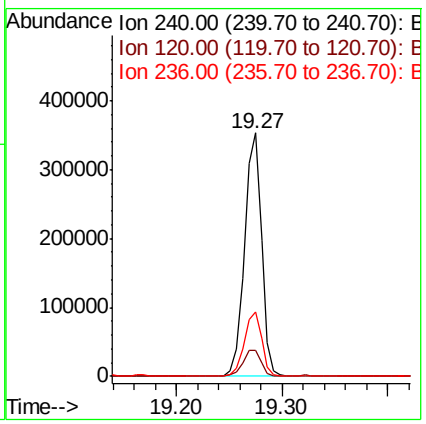


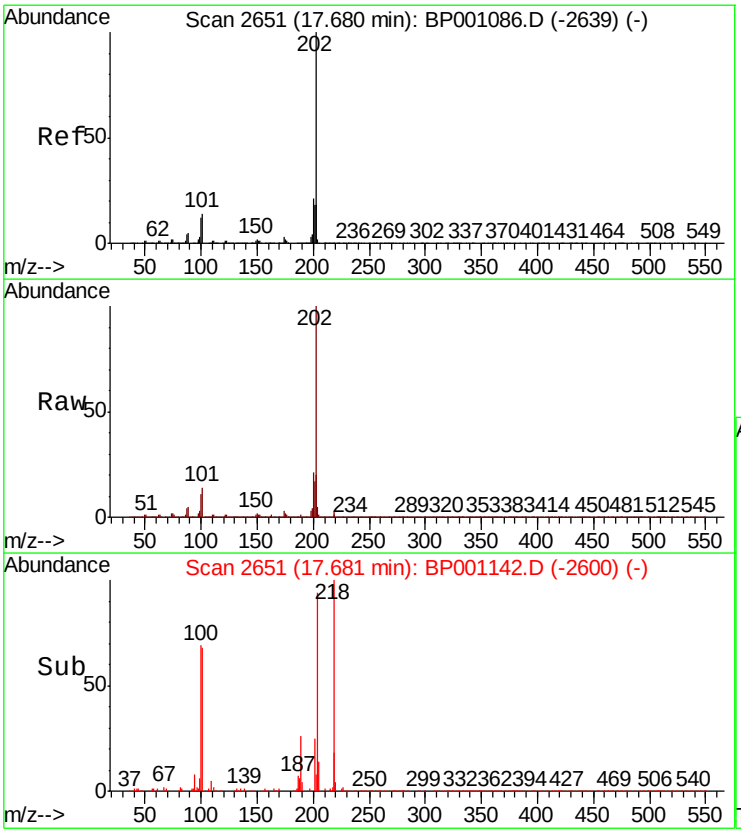

#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2922
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:240 Resp: 393734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 9.5 | 14.3 |
| 236 | 26.4 | 20.4 | 30.6 |

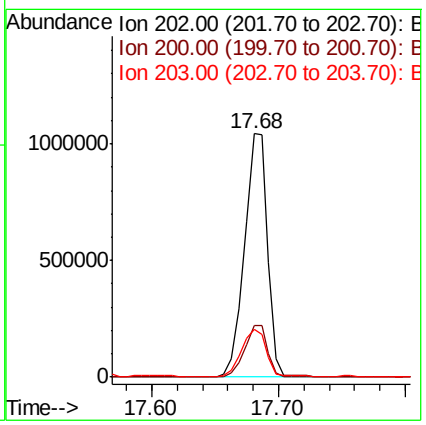


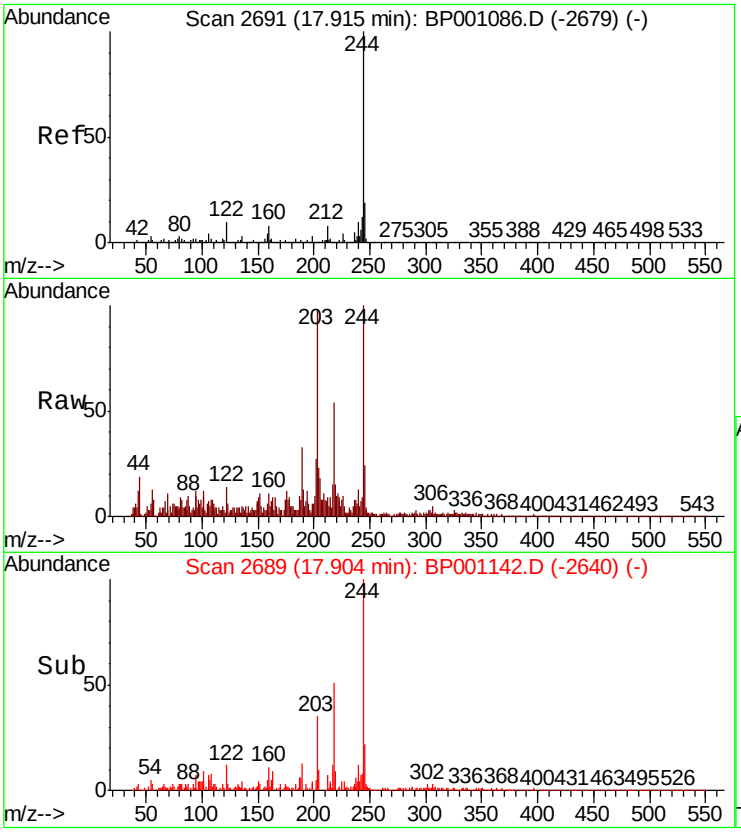




#78
Pyrene
Concen: 42.352 ng
RT: 17.68 min Scan# 2651
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:202 Resp: 1313379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.0 | 25.6 |
| 203 | 19.7 | 14.1 | 21.1 |



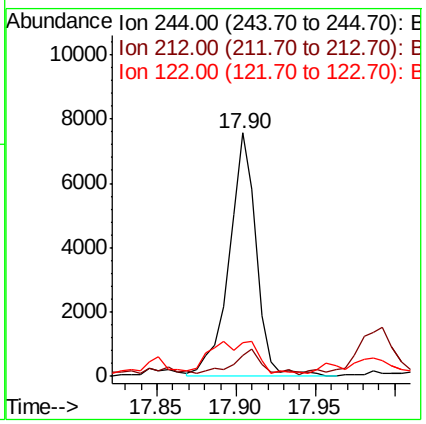


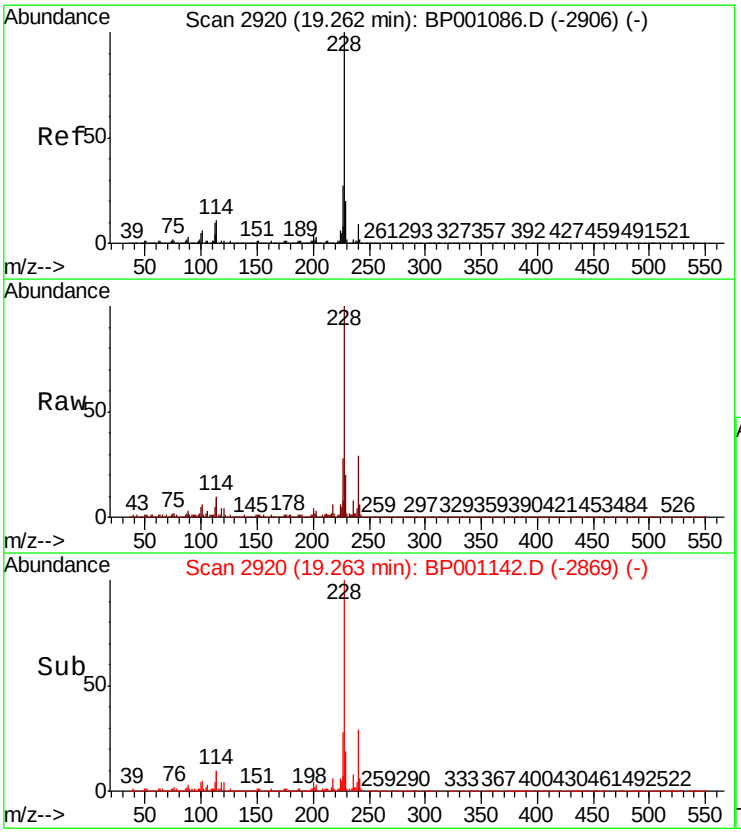

#79
Terphenyl-d14
Concen: 0.415 ng
RT: 17.90 min Scan# 2689
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:244 Resp: 8842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 6.2 | 9.2 |
| 122 | 13.9 | 8.2 | 12.2# |

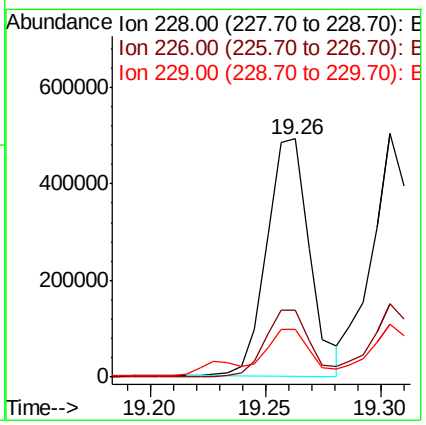


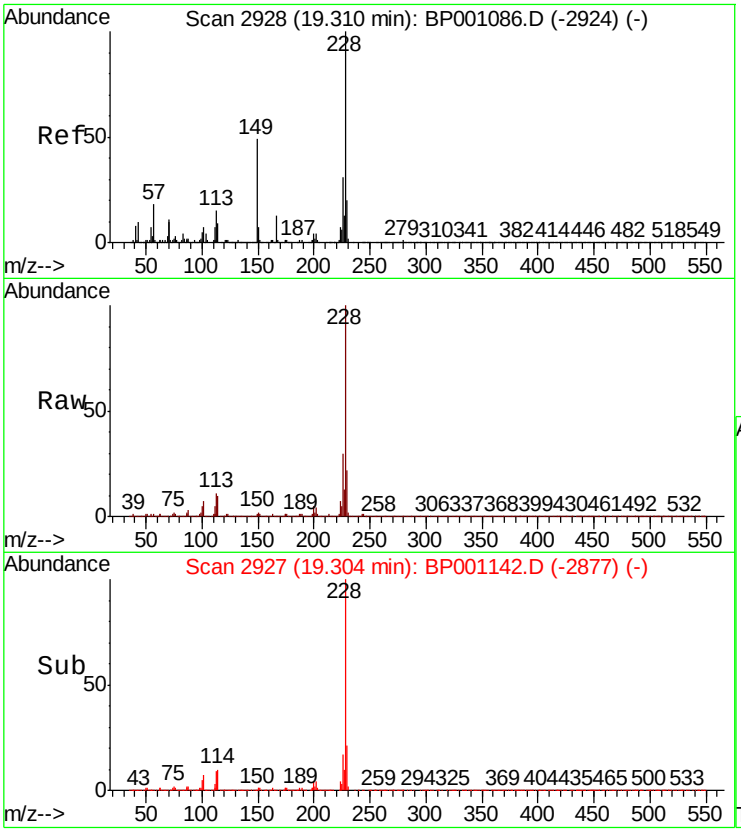




#81
Benzo(a)anthracene
Concen: 23.278 ng
RT: 19.26 min Scan# 2920
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:228 Resp: 635475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 21.8 | 32.6 |
| 229 | 20.1 | 15.8 | 23.6 |



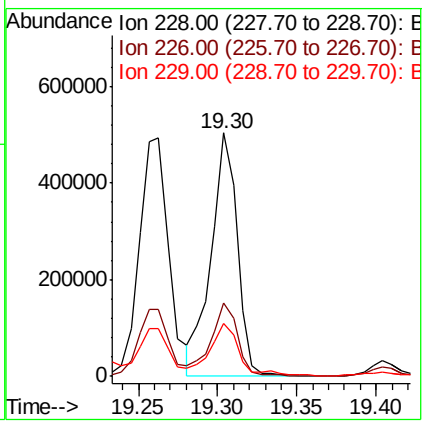


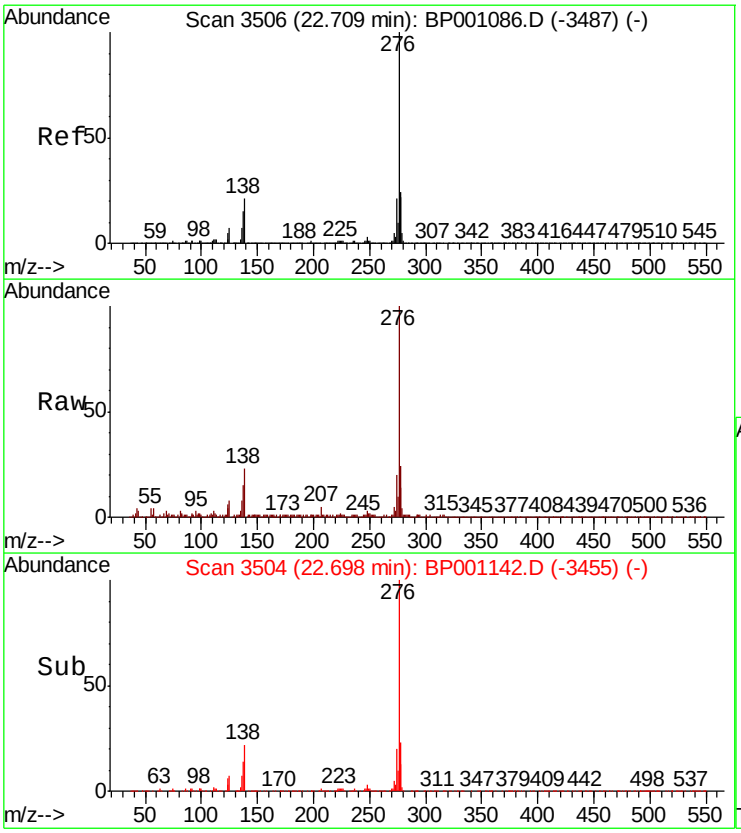

#83
Chrysene
Concen: 23.552 ng
RT: 19.30 min Scan# 2927
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:228 Resp: 575734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.4 | 36.6 |
| 229 | 21.8 | 15.7 | 23.5 |

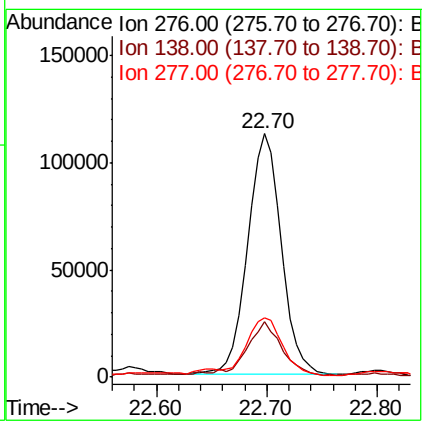


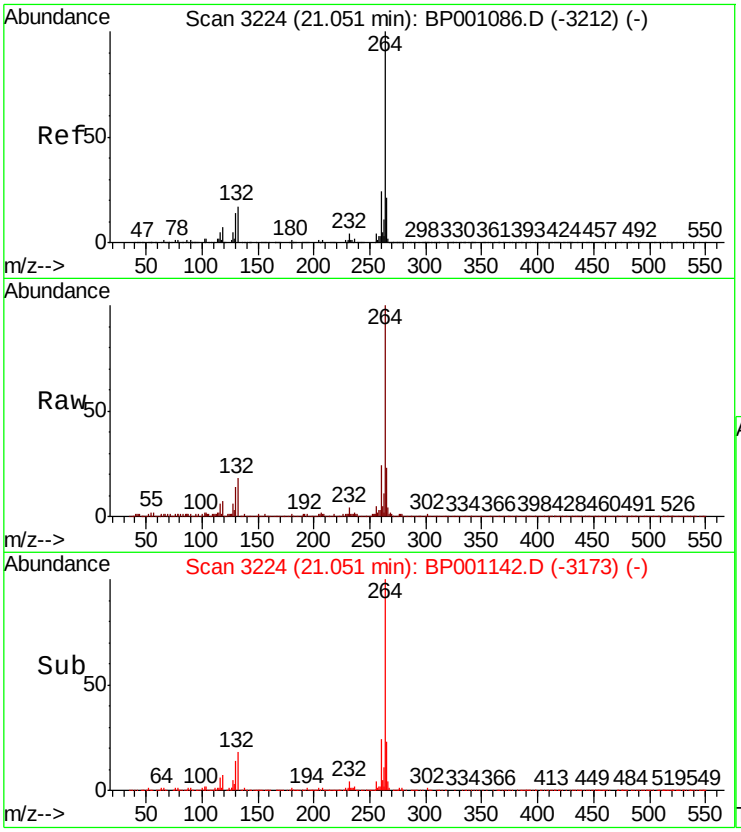




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.382 ng
RT: 22.70 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:276 Resp: 241489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.2 | 20.6 | 30.8 |
| 277 | 25.6 | 20.0 | 30.0 |



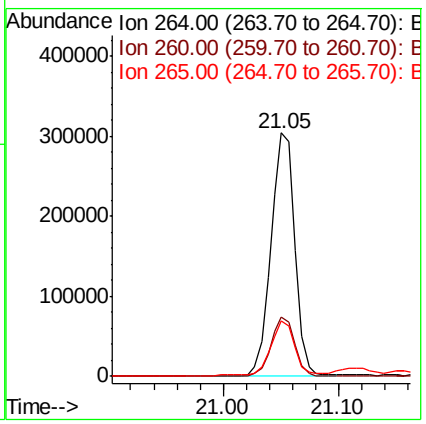


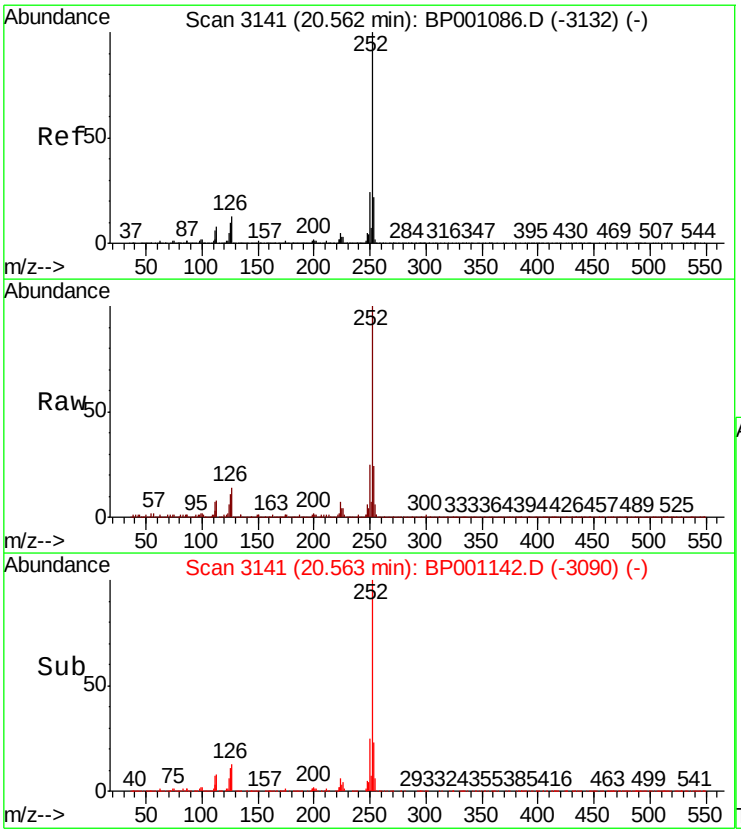

#87
Perylene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:264 Resp: 435638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 18.8 | 28.2 |
| 265 | 23.0 | 16.9 | 25.3 |

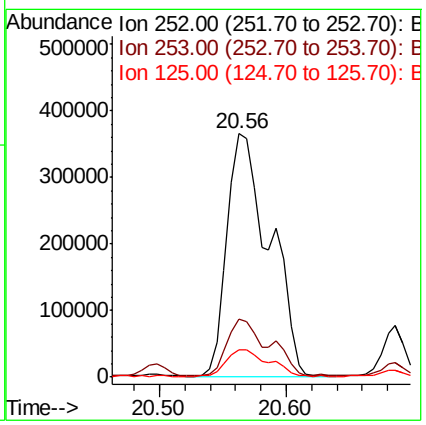


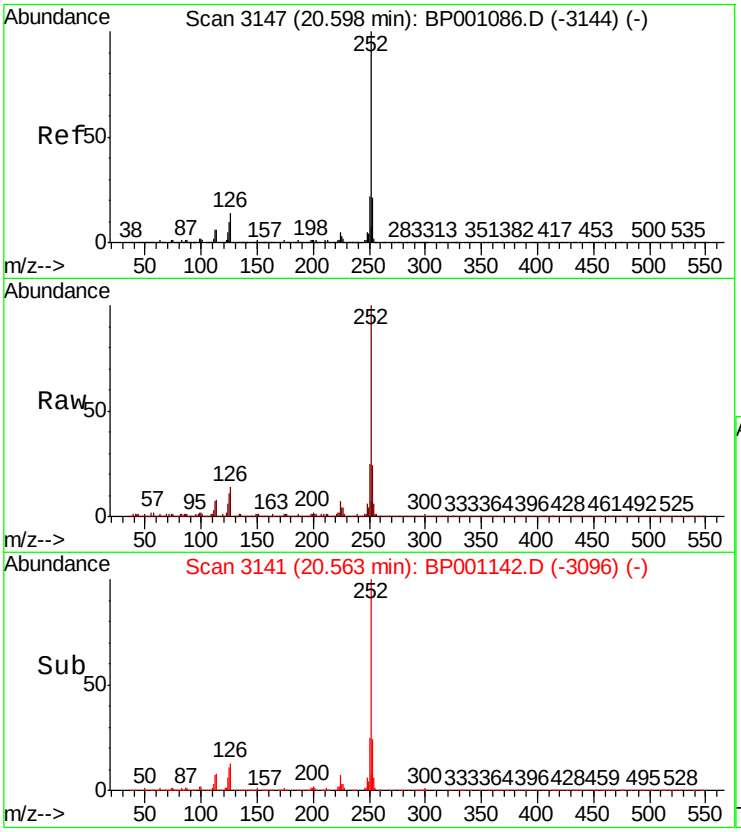




#88
Benzo(b)fluoranthene
Concen: 31.918 ng
RT: 20.56 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:252 Resp: 849289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.4 | 26.0 |
| 125 | 11.3 | 8.1 | 12.1 |



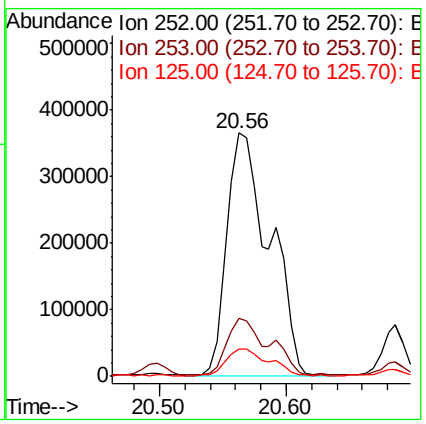


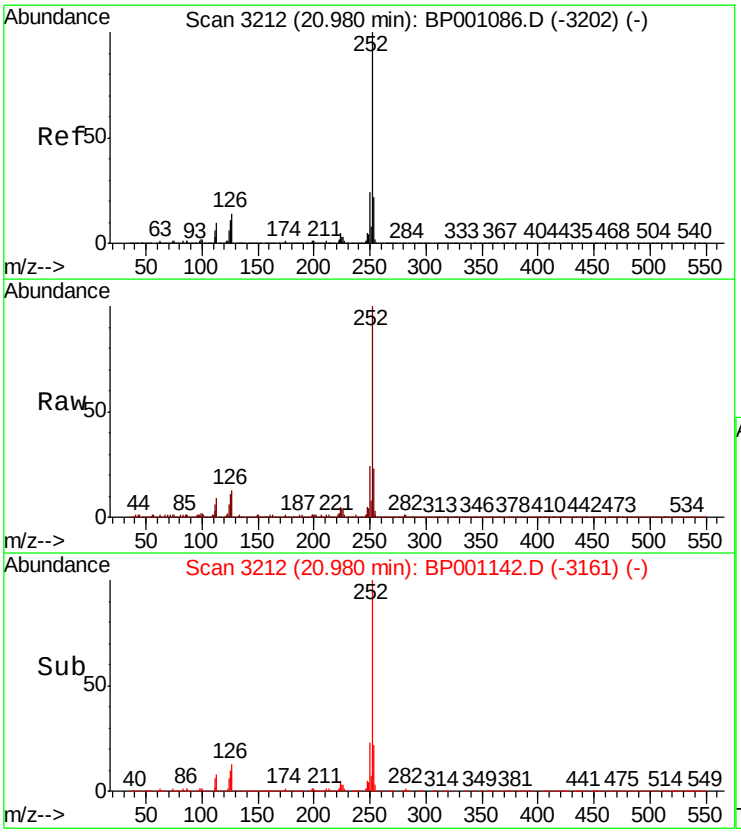

#89
Benzo(k)fluoranthene
Concen: 33.139 ng
RT: 20.56 min Scan# 3141
Delta R.T. -0.03 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:252 Resp: 849289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.1 | 25.7 |
| 125 | 11.3 | 8.2 | 12.2 |

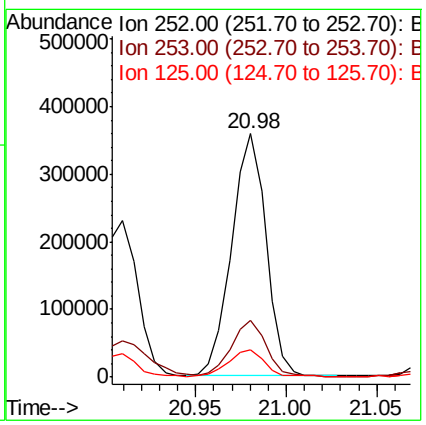


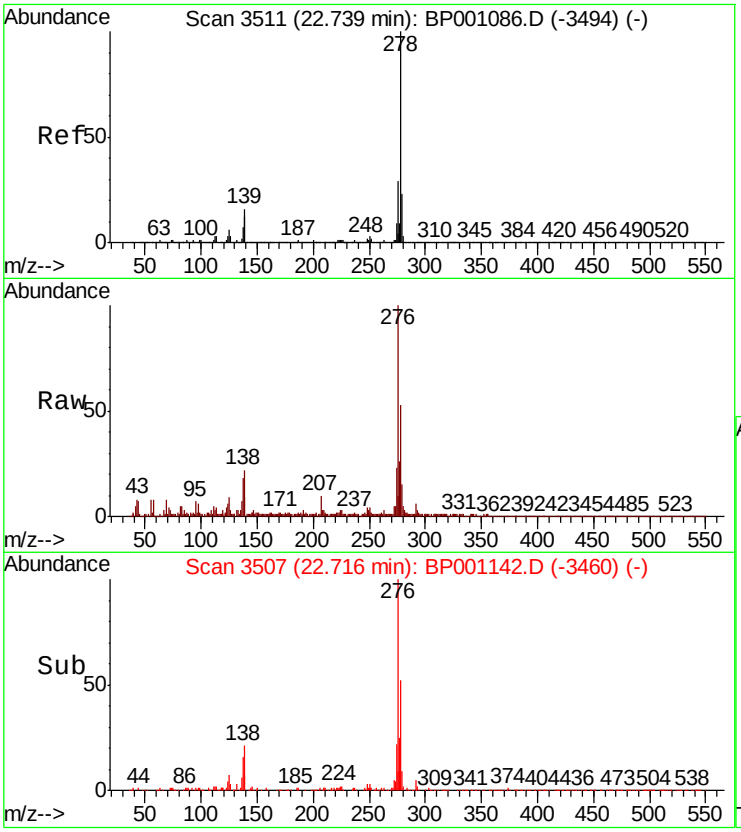




#90
Benzo(a)pyrene
Concen: 19.253 ng
RT: 20.98 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:252 Resp: 471868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.4 | 26.0 |
| 125 | 11.3 | 8.7 | 13.1 |



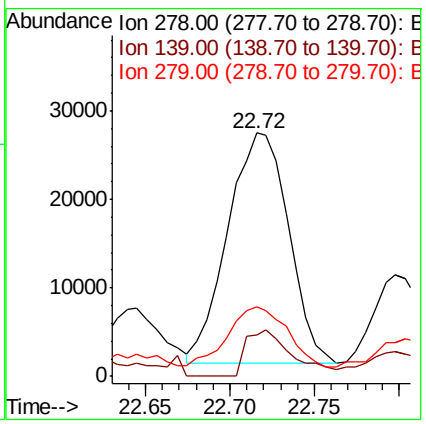


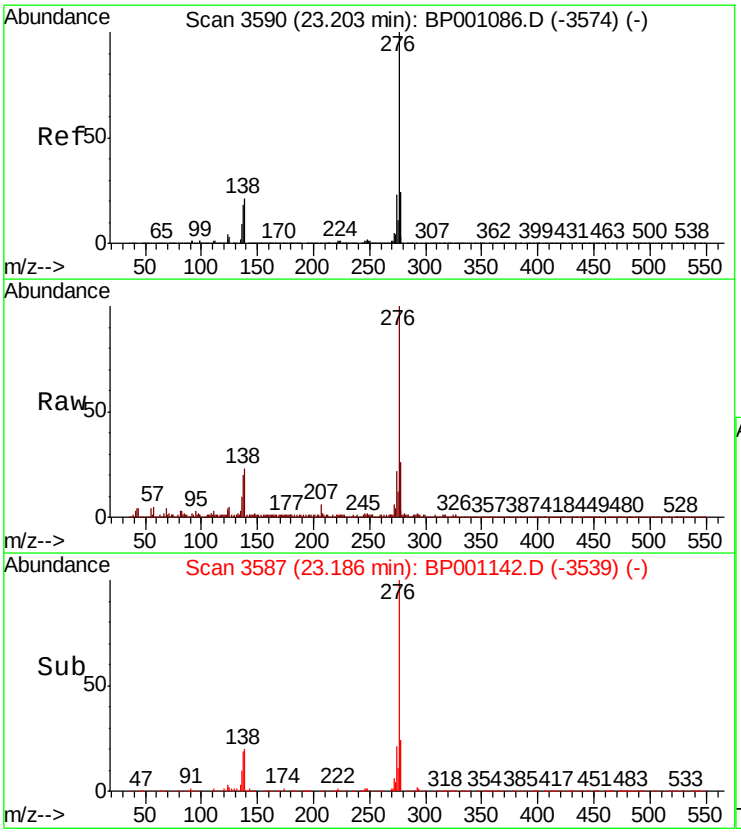

#91
Dibenzo(a,h)anthracene
Concen: 2.709 ng
RT: 22.72 min Scan# 3507
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:278 Resp: 64977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.9 | 13.0 | 19.4 |
| 279 | 28.5 | 18.7 | 28.1# |




#92
Benzo(g,h,i)perylene
Concen: 9.028 ng
RT: 23.19 min Scan# 3587
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:276 Resp: 213818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.2 | 19.2 | 28.8 |
| 138 | 22.9 | 17.2 | 25.8 |