Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001243.D
Acq On : 06 Dec 2019 21:51
Operator : JU
Sample : K6135-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 07 00:41:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 05 12:34:47 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.31 | 152 | 81080 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.34 | 136 | 300819 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 13.20 | 164 | 172235 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 15.60 | 188 | 319945 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 19.24 | 240 | 250201 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 21.02 | 264 | 257118 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.21 | 112 | 262320 | 53.68 | ng | | 0.00 |
| 7) Phenol-d6 | 7.76 | 99 | 366988 | 56.37 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 246222 | 35.51 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 14.49 | 330 | 93063 | 56.37 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.12 | 172 | 434671 | 36.94 | ng | | -0.01 |
| 79) Terphenyl-d14 | 17.88 | 244 | 493644 | 36.50 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.61 | 77 | 519 | Below Cal | | # | 71 |
| 10) Phenol | 7.77 | 94 | 18912 | 2.554 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 9.19 | 70 | 35582 | 7.574 | ng | # | 79 |
| 50) Dimethylphthalate | 12.79 | 163 | 49020 | 3.805 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 13.33 | 184 | 30 | 7.133 | ng | # | 1 |
| 65) 4,6-Dinitro-2-methylphenol | 14.20 | 198 | 30 | 6.295 | ng | # | 1 |
| 71) Phenanthrene | 15.63 | 178 | 207698 | 12.348 | ng | | 99 |
| 72) Anthracene | 15.71 | 178 | 56832 | 3.428 | ng | | 98 |
| 75) Fluoranthene | 17.35 | 202 | 315139 | 17.697 | ng | | 99 |
| 78) Pyrene | 17.65 | 202 | 267149 | 13.556 | ng | | 98 |
| 81) Benzo(a)anthracene | 19.23 | 228 | 133591 | 7.701 | ng | | 96 |
| 83) Chrysene | 19.23 | 228 | 133591 | 8.600 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 22.65 | 276 | 58106 | 3.174 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 20.53 | 252 | 185981 | 11.842 | ng | # | 91 |
| 89) Benzo(k)fluoranthene | 20.53 | 252 | 185981 | 12.295 | ng | # | 91 |
| 90) Benzo(a)pyrene | 20.94 | 252 | 101254 | 7.000 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 23.14 | 276 | 55146 | 3.945 | ng | | 94 |

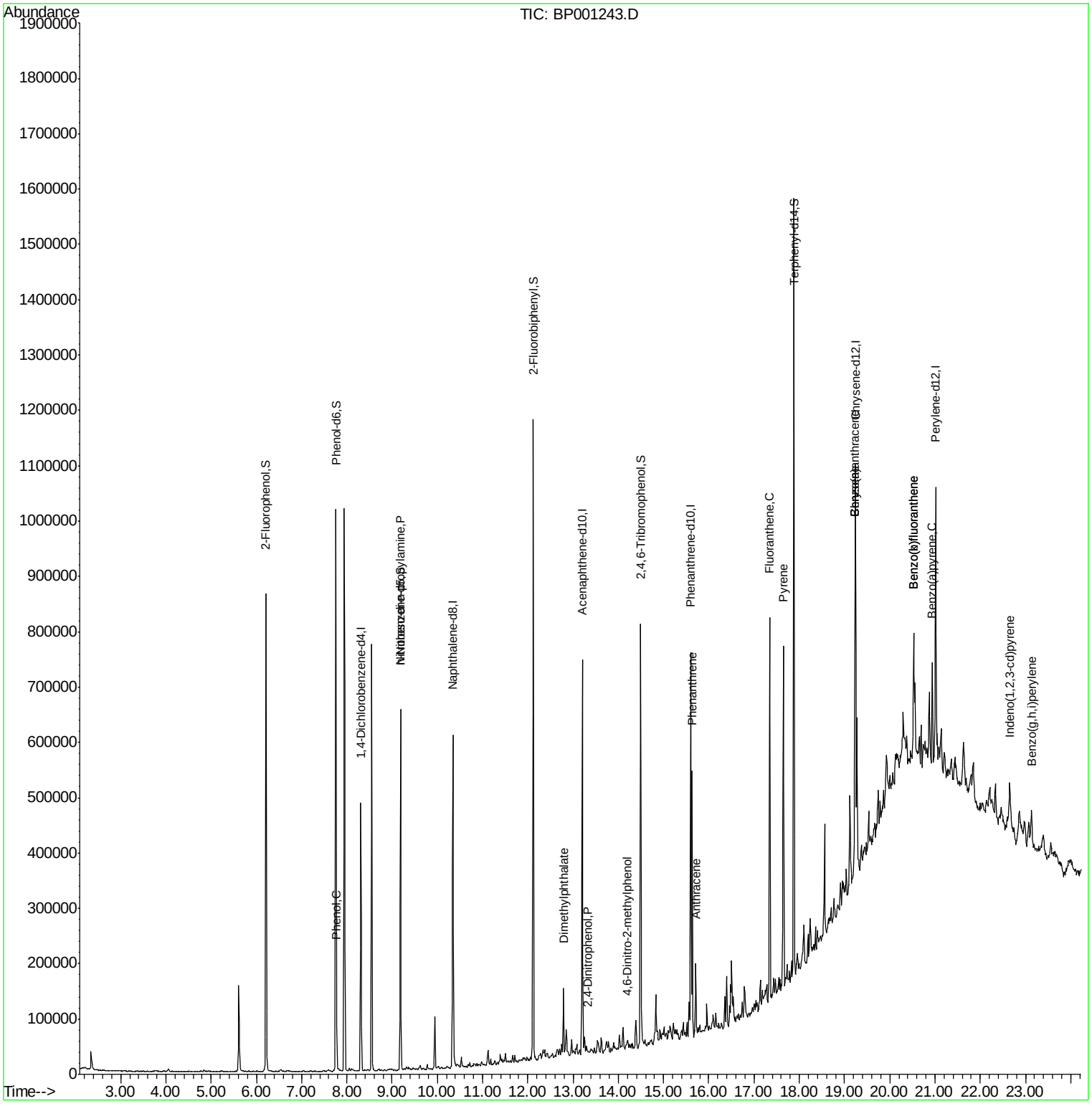
(#) = qualifier out of range (m) = manual integration (+) = signals summed

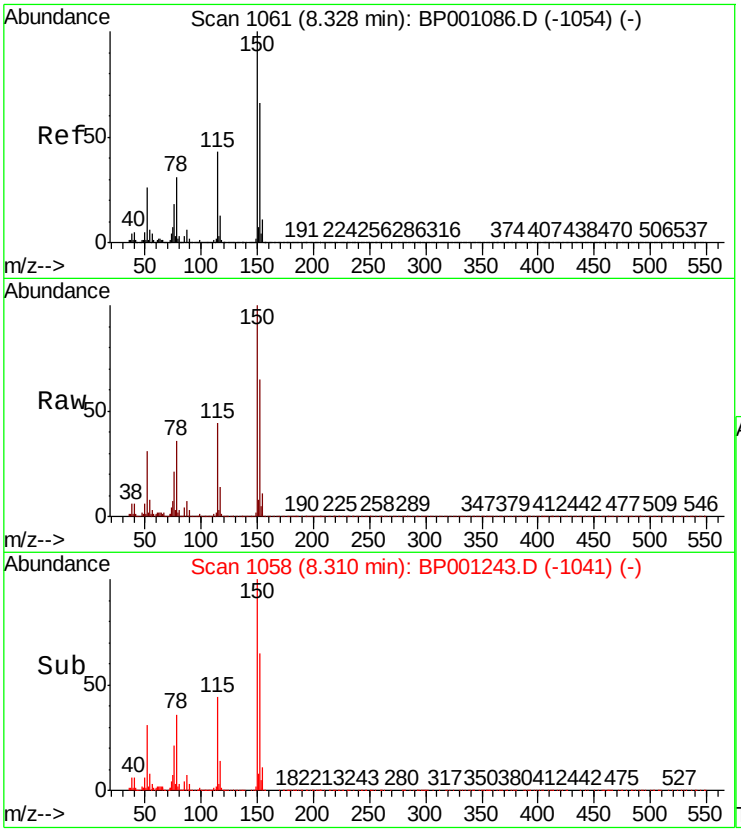
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001243.D
Acq On : 06 Dec 2019 21:51
Operator : JU
Sample : K6135-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 07 00:41:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 05 12:34:47 2019
Response via : Initial Calibration



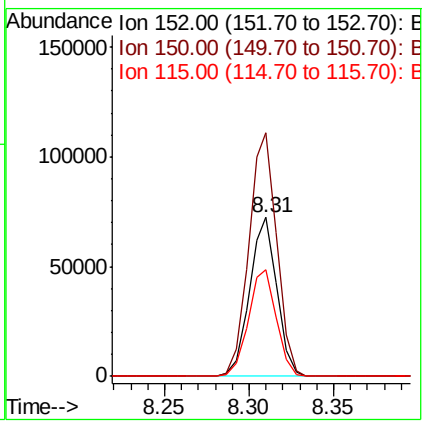


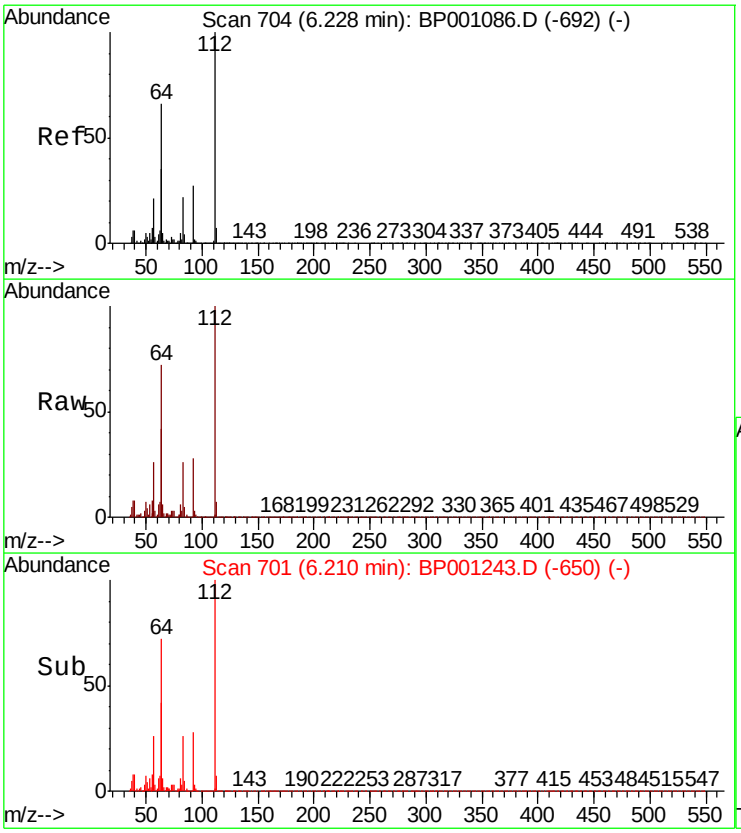

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:152 Resp: 81080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.6 | 127.3 | 190.9 |
| 115 | 67.7 | 56.0 | 84.0 |

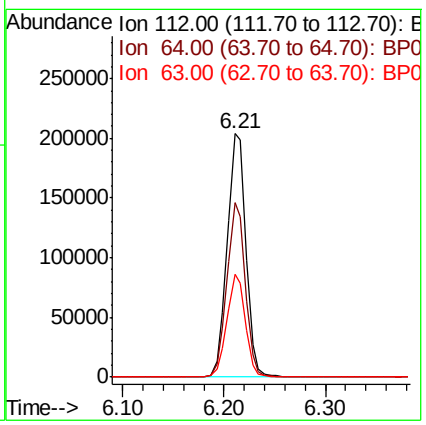


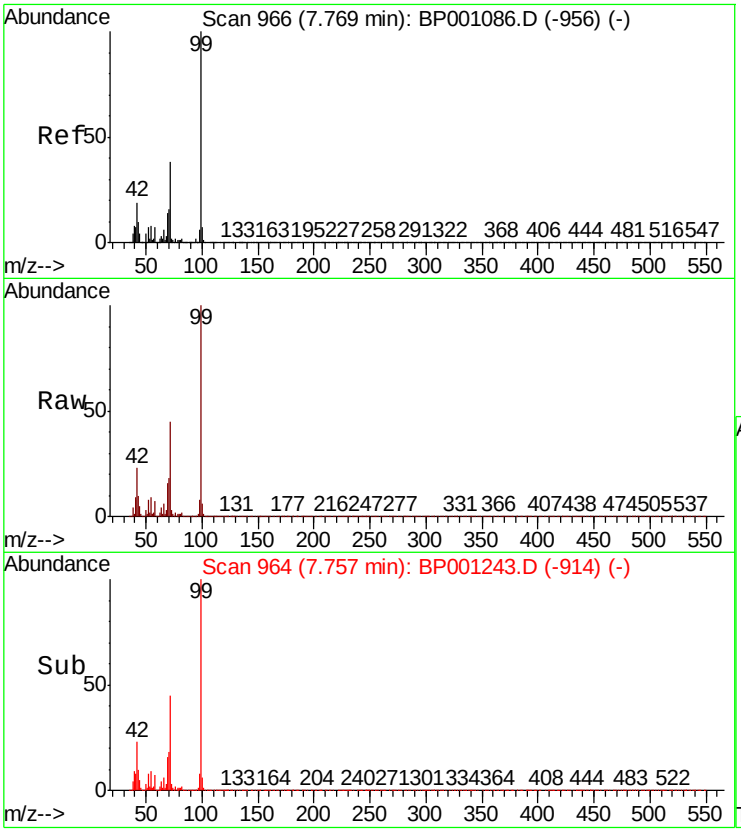




#5
2-Fluorophenol
Concen: 53.677 ng
RT: 6.21 min Scan# 701
Delta R.T. -0.00 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:112 Resp: 262320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.6 | 56.8 | 85.2 |
| 63 | 42.4 | 32.2 | 48.2 |



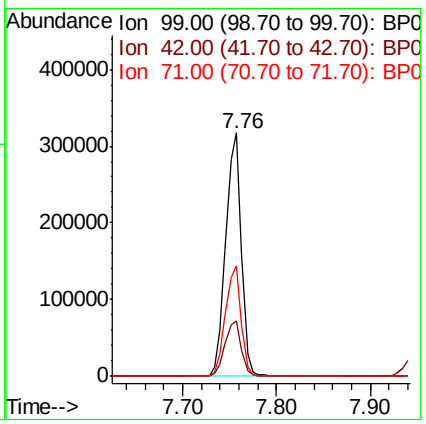


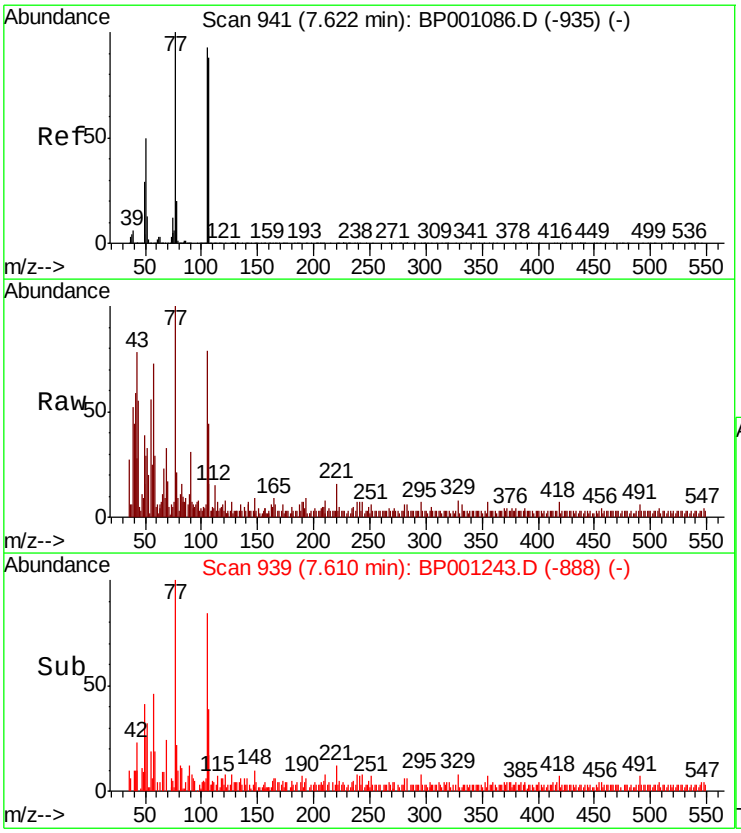

#7
Phenol-d6
Concen: 56.367 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion: 99 Resp: 366988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.5 | 17.6 | 26.4 |
| 71 | 45.4 | 33.8 | 50.8 |

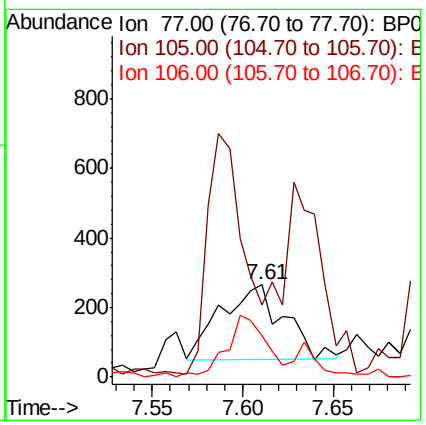


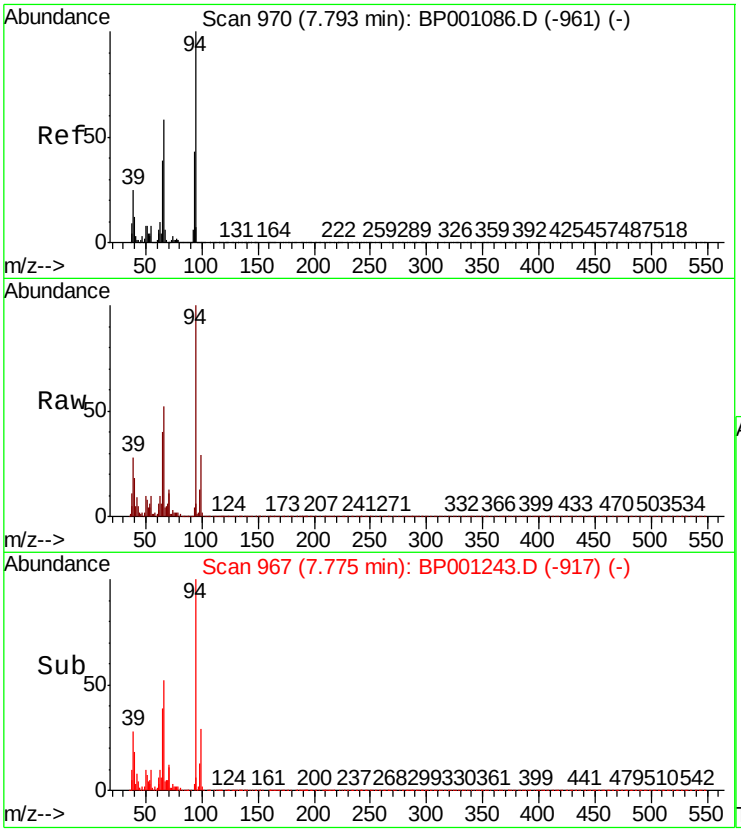




#9
Benzaldehyde
Concen: Below Cal
RT: 7.61 min Scan# 939
Delta R.T. -0.00 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion: 77 Resp: 519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 78.6 | 69.7 | 109.7 |
| 106 | 44.4 | 67.1 | 107.1# |



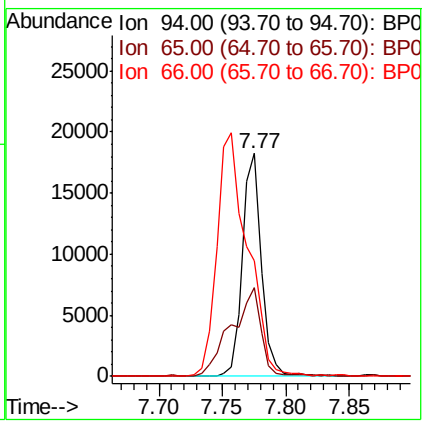


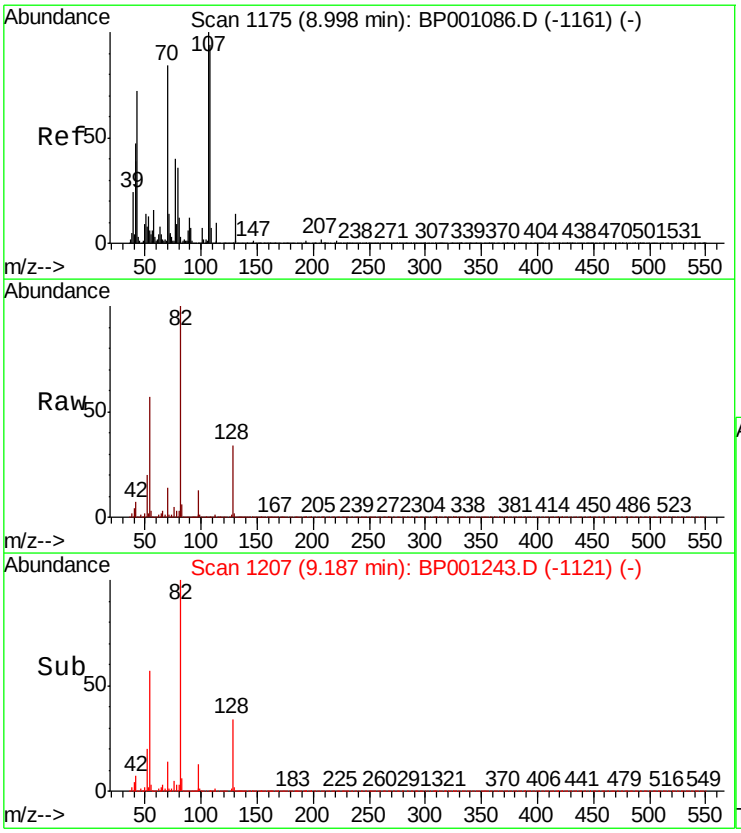

#10
Phenol
Concen: 2.554 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion: 94 Resp: 18912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.6 | 25.6 | 65.6 |
| 66 | 51.8 | 52.6 | 92.6# |

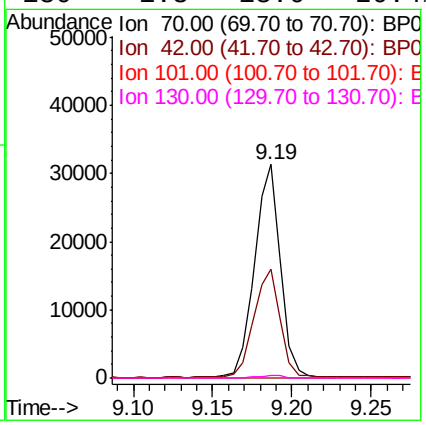


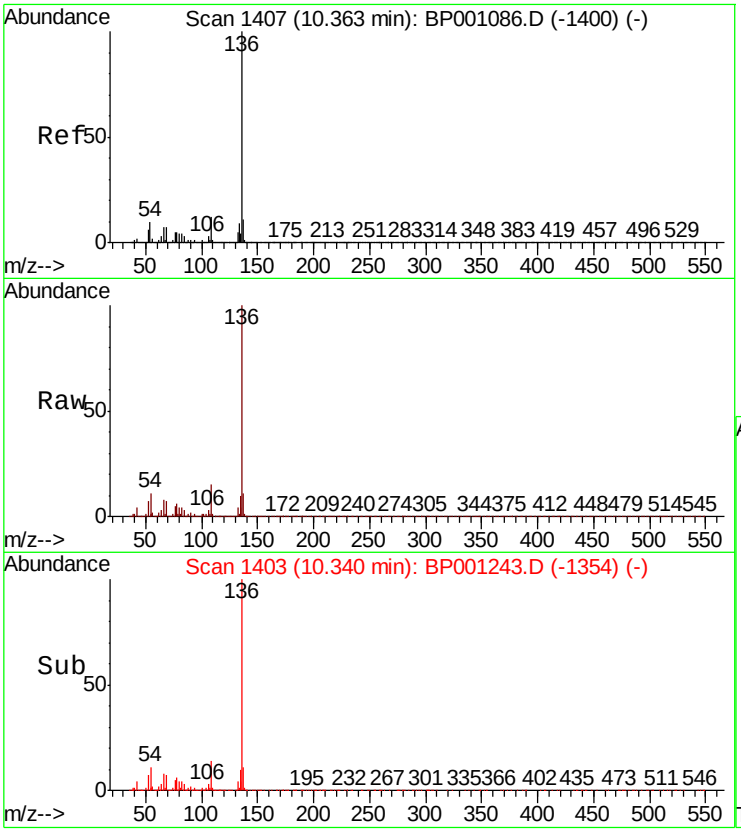




#19
n-Nitroso-di-n-propylamine
Concen: 7.574 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.21 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion: 70 Resp: 35582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.7 | 50.6 | 76.0 |
| 101 | 0.1 | 7.1 | 10.7# |
| 130 | 1.3 | 13.6 | 20.4# |



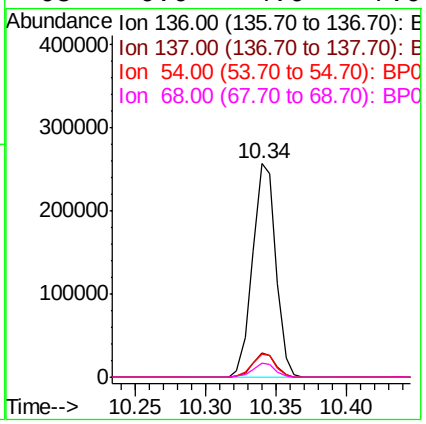


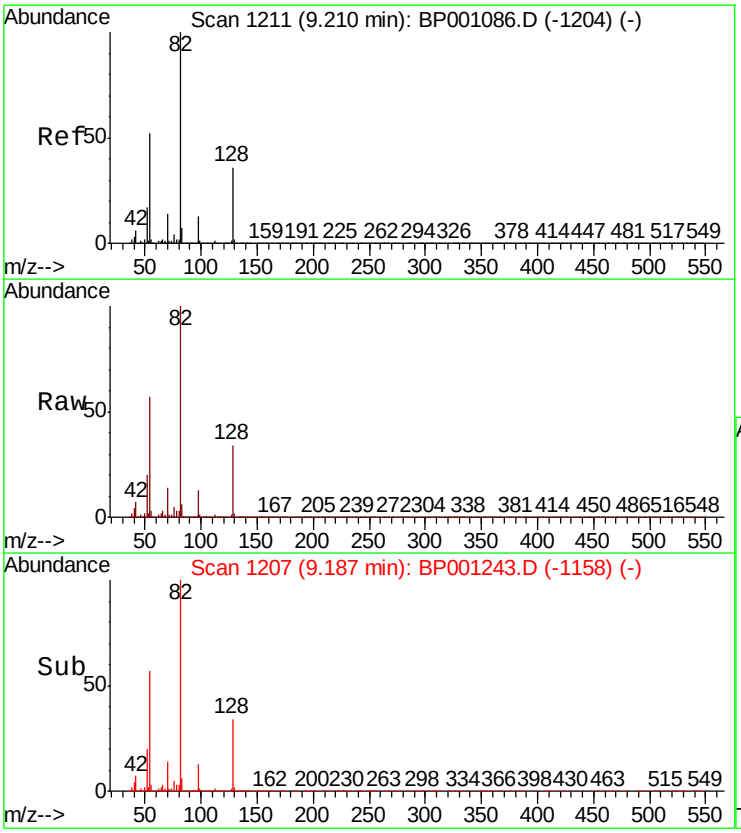

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:136 Resp: 300819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.4 | 12.6 |
| 54 | 10.7 | 7.4 | 11.0 |
| 68 | 6.6 | 4.6 | 7.0 |

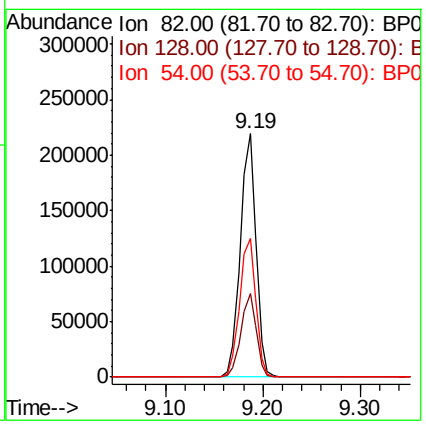


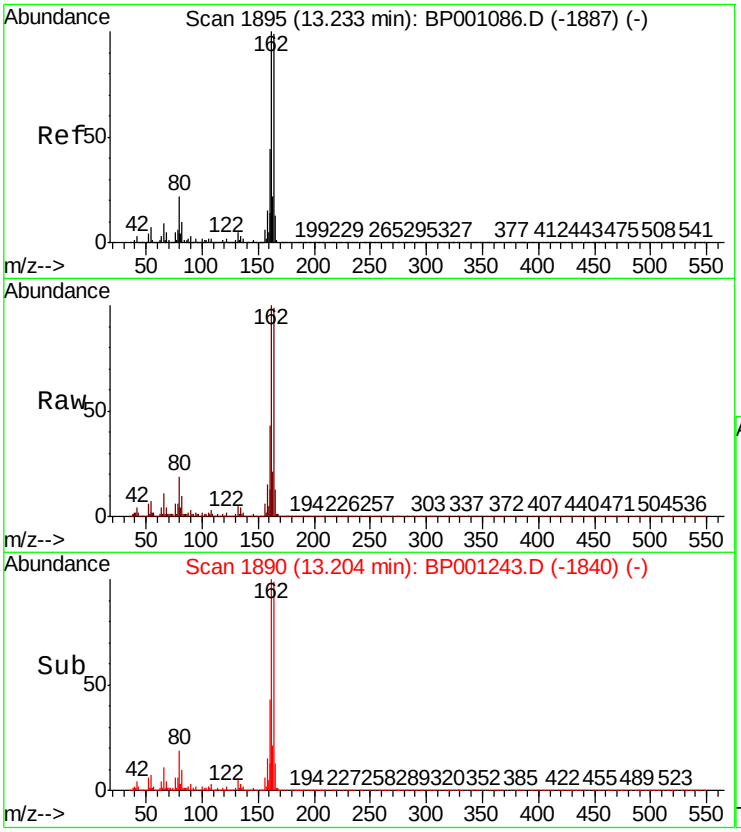




#23
Nitrobenzene-d5
Concen: 35.512 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion: 82 Resp: 246222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.1 | 27.5 | 41.3 |
| 54 | 56.8 | 45.7 | 68.5 |



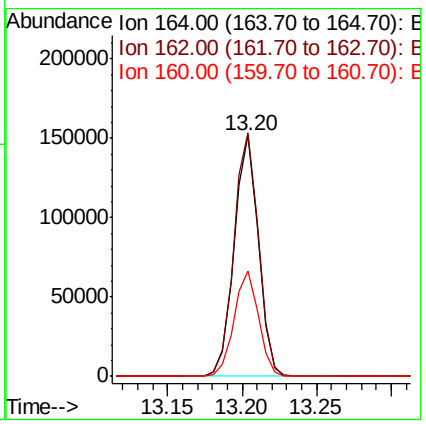


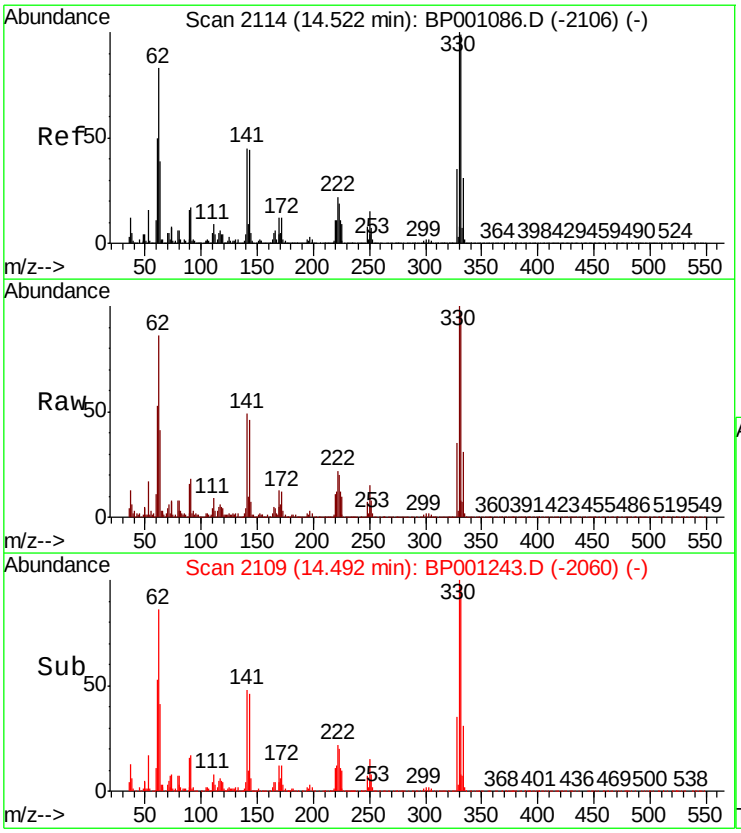

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:164 Resp: 172235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 80.7 | 121.1 |
| 160 | 43.6 | 36.3 | 54.5 |

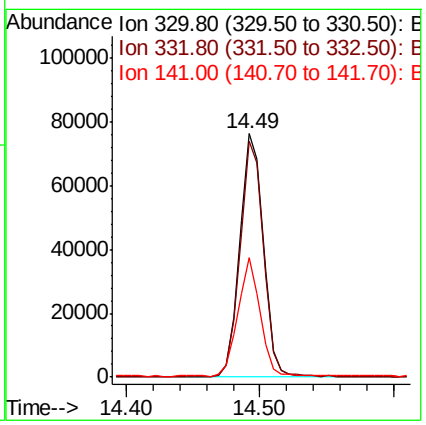


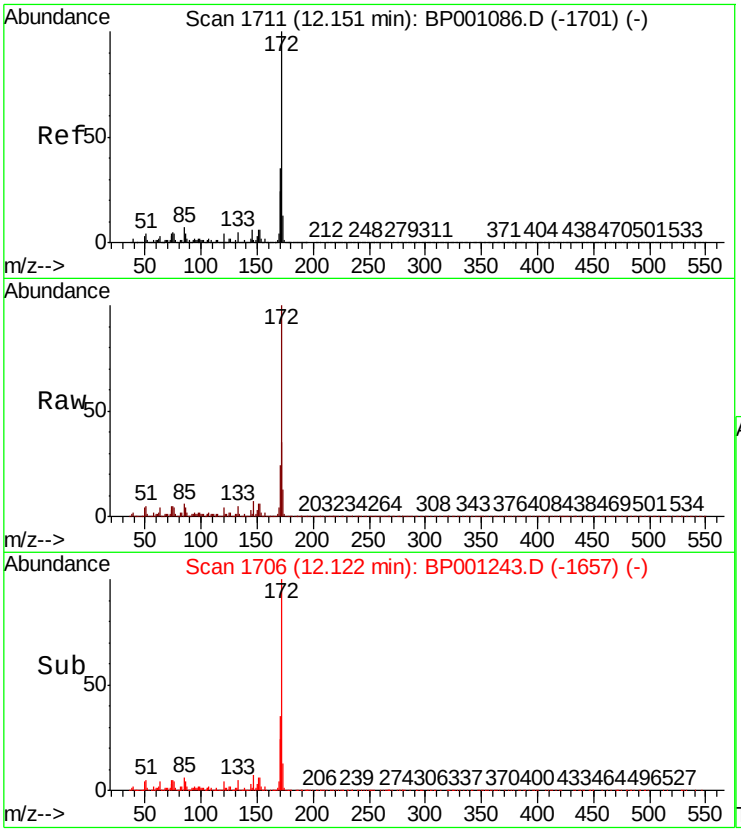




#42
2,4,6-Tribromophenol
Concen: 56.372 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:330 Resp: 93063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 79.1 | 118.7 |
| 141 | 45.4 | 35.9 | 53.9 |



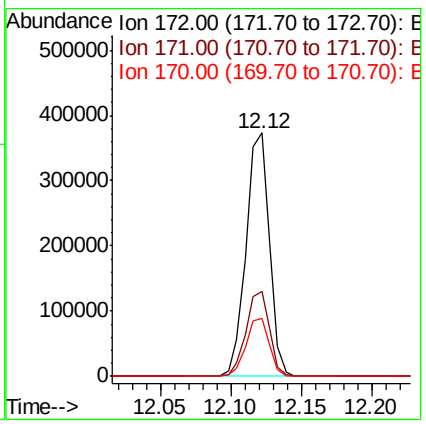


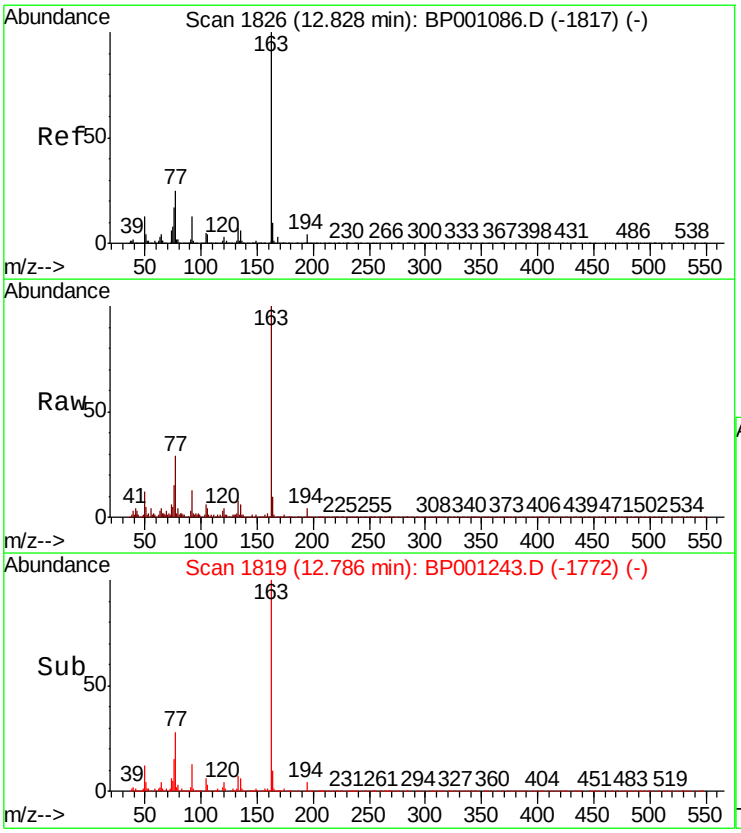

#45
2-Fluorobiphenyl
Concen: 36.936 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:172 Resp: 434671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.7 | 43.1 |
| 170 | 23.6 | 19.2 | 28.8 |

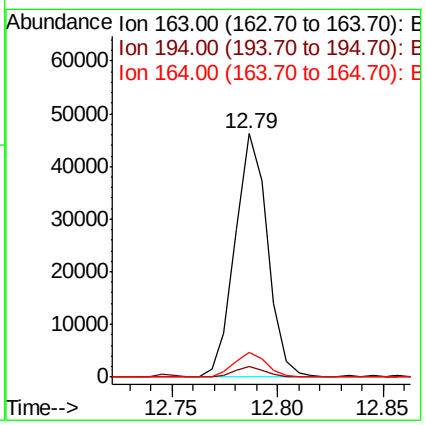


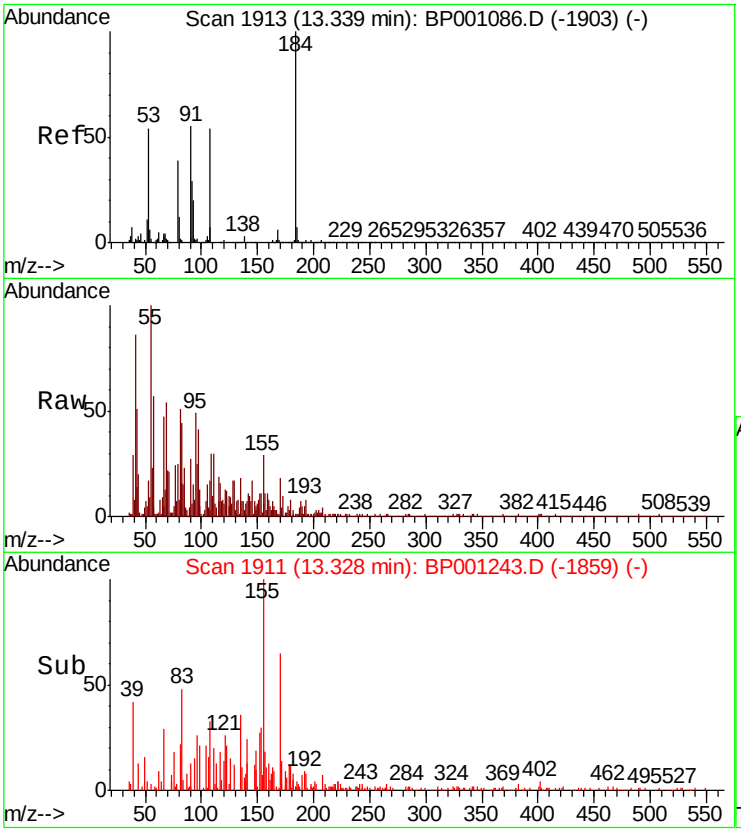




#50
Dimethylphthalate
Concen: 3.805 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:163 Resp: 49020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |



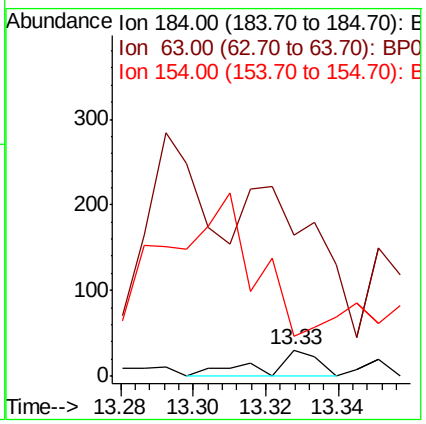


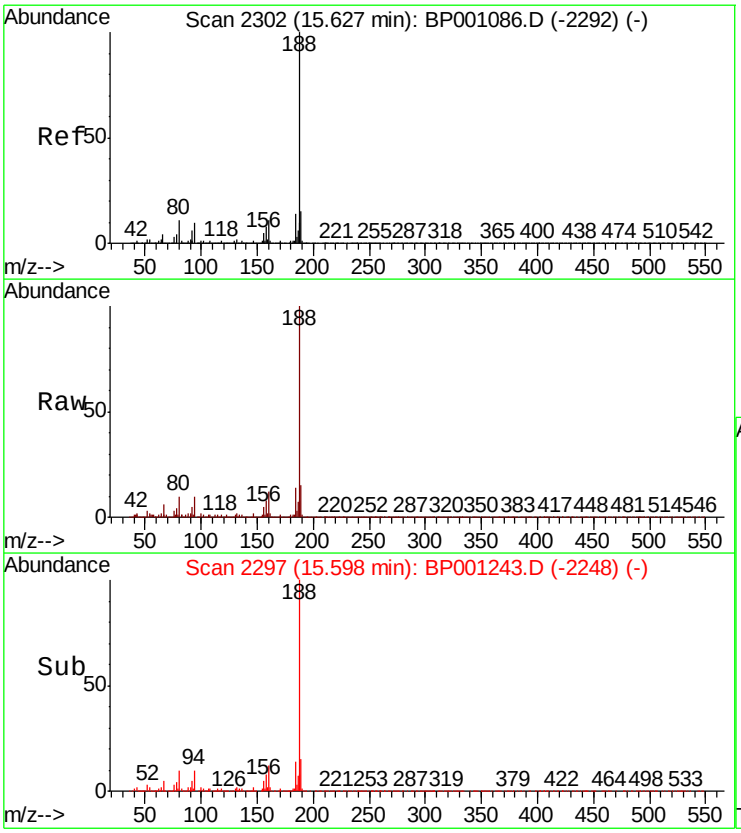

#54
2,4-Dinitrophenol
Concen: 7.133 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:184 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 550.0 | 69.4 | 104.0# |
| 154 | 156.7 | 57.4 | 86.2# |

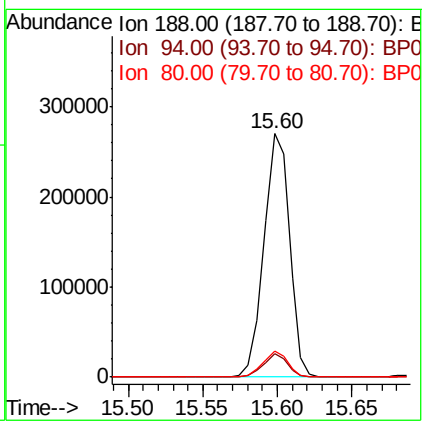


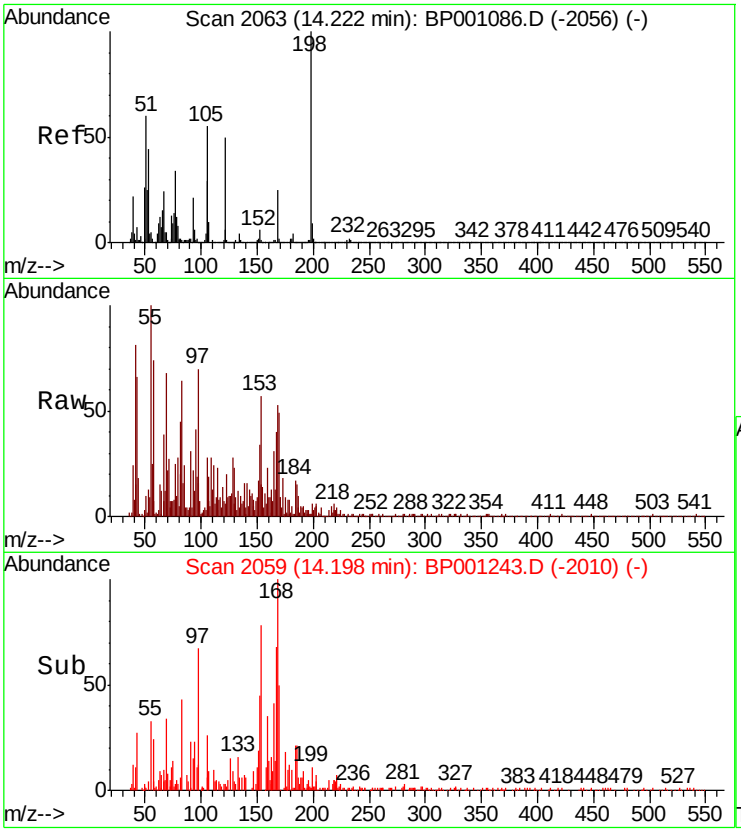




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:188 Resp: 319945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 7.1 | 10.7 |
| 80 | 10.4 | 7.8 | 11.6 |



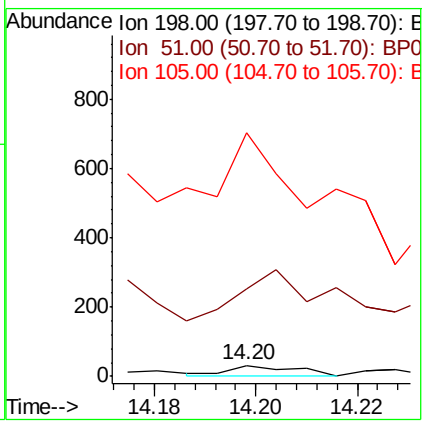


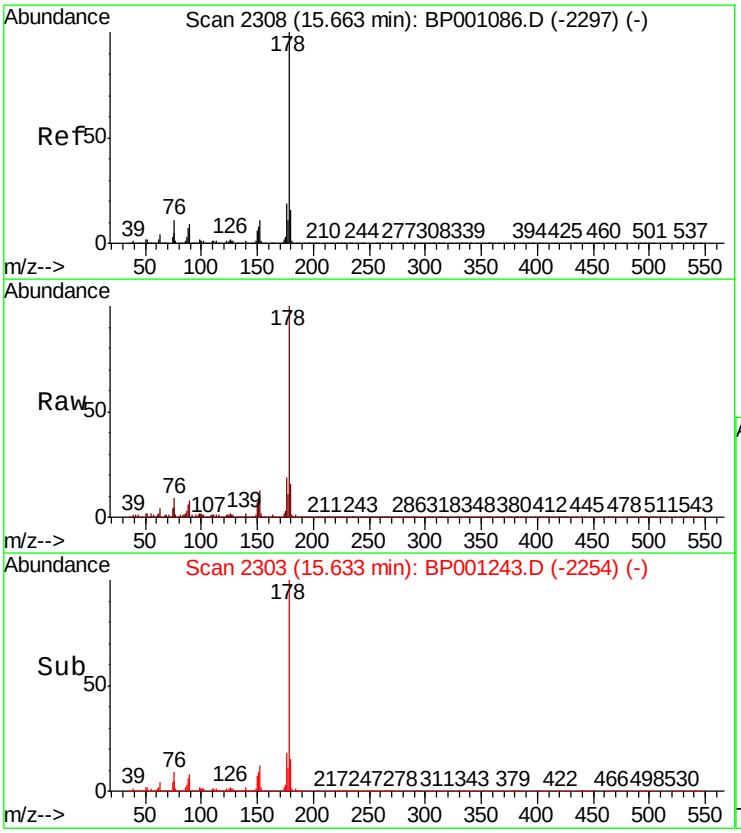

#65
4,6-Dinitro-2-methylphenol
Concen: 6.295 ng
RT: 14.20 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:198 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 784.4 | 36.2 | 76.2# |
| 105 | 2196.9 | 30.2 | 70.2# |

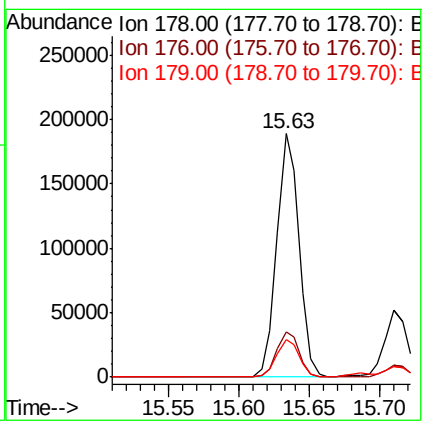


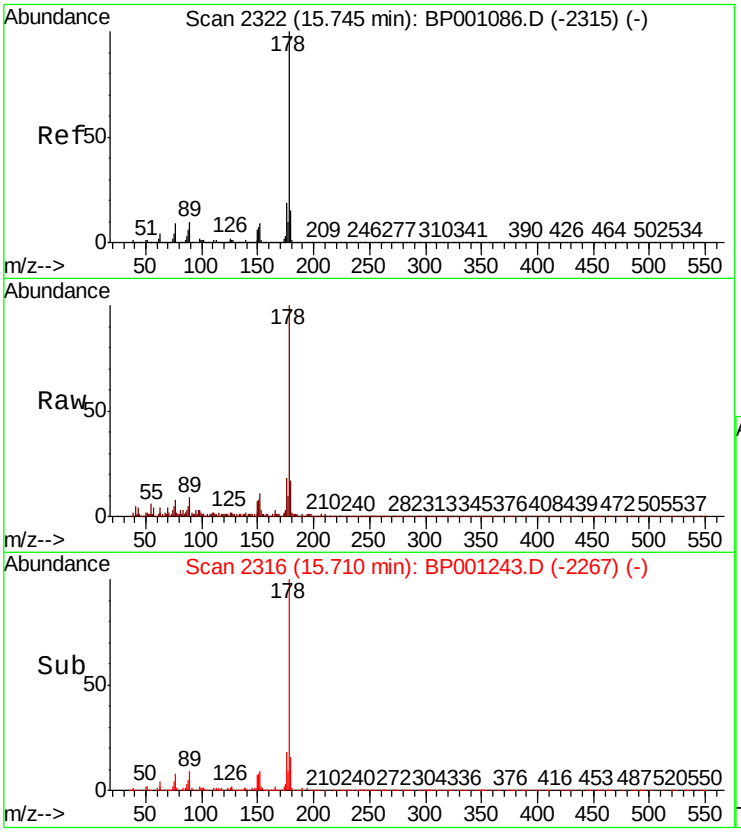




#71
Phenanthrene
Concen: 12.348 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:178 Resp: 207698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.7 | 23.5 |
| 179 | 15.5 | 12.4 | 18.6 |



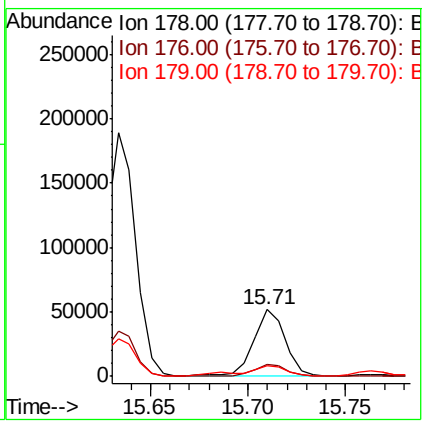


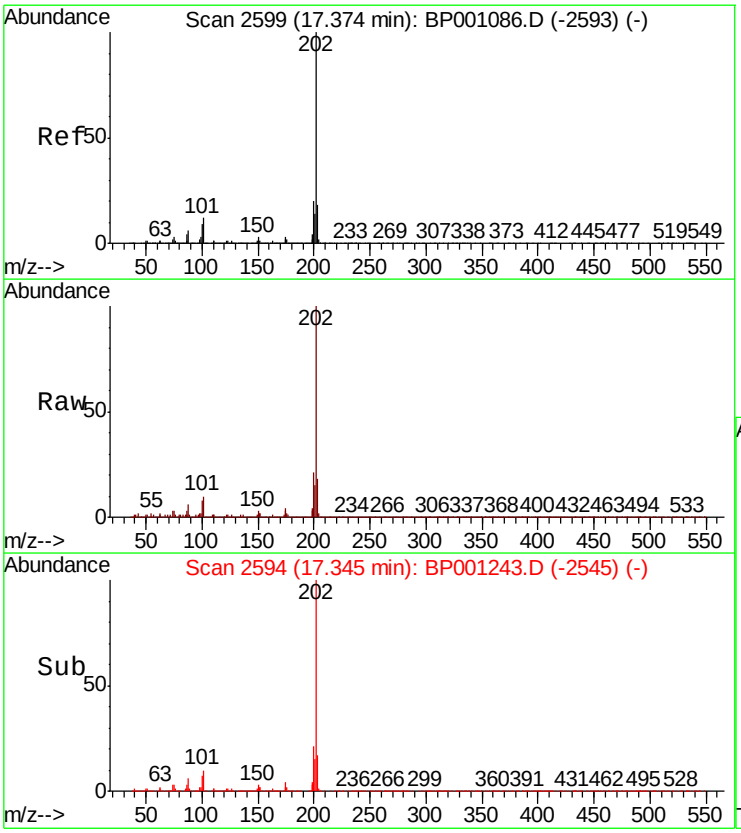

#72
Anthracene
Concen: 3.428 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:178 Resp: 56832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.1 | 22.7 |
| 179 | 16.9 | 12.7 | 19.1 |

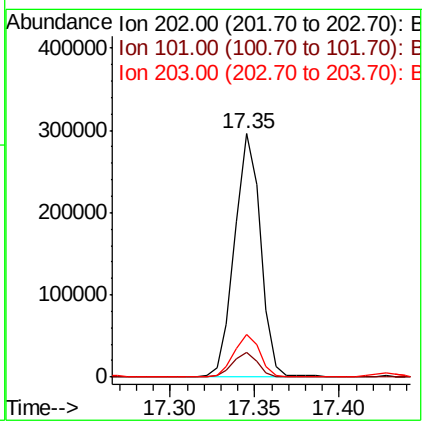


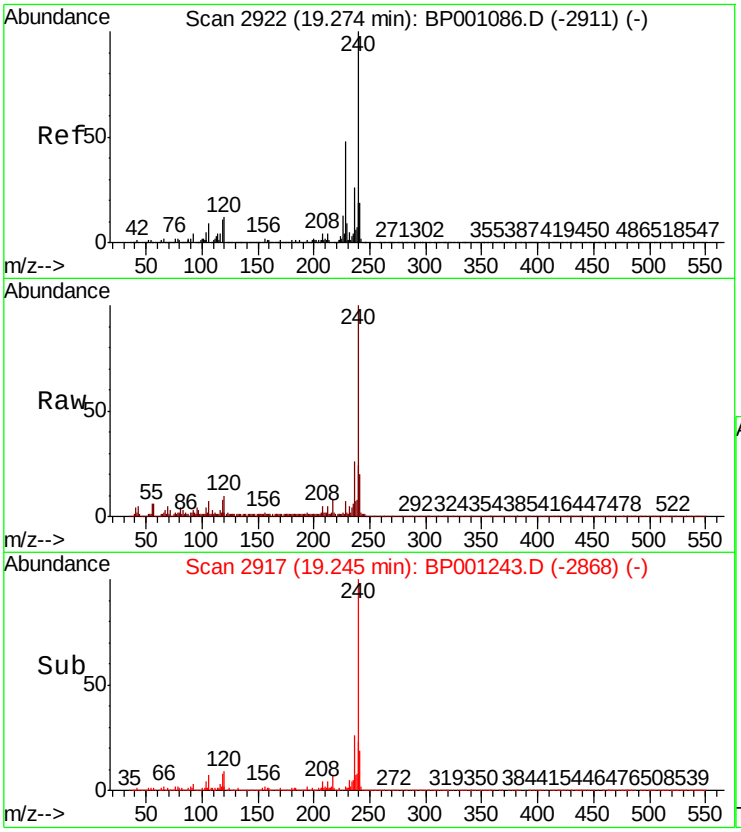




#75
Fluoranthene
Concen: 17.697 ng
RT: 17.35 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:202 Resp: 315139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.0 |
| 203 | 17.5 | 0.0 | 37.1 |



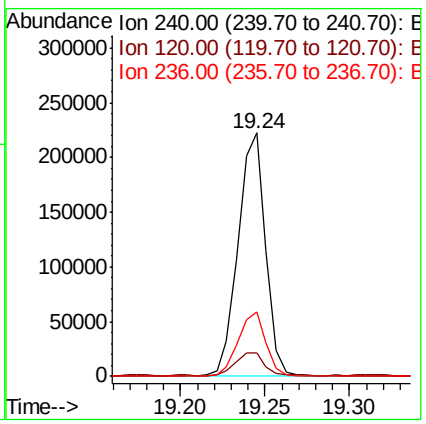


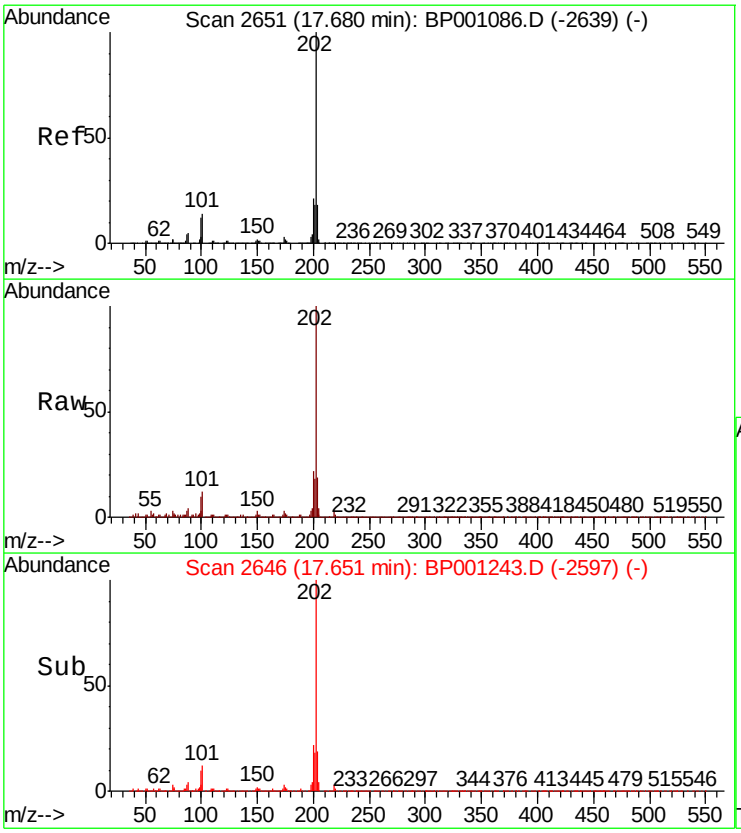

#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.24 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:240 Resp: 250201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.0 | 10.6 |
| 236 | 26.3 | 21.7 | 32.5 |

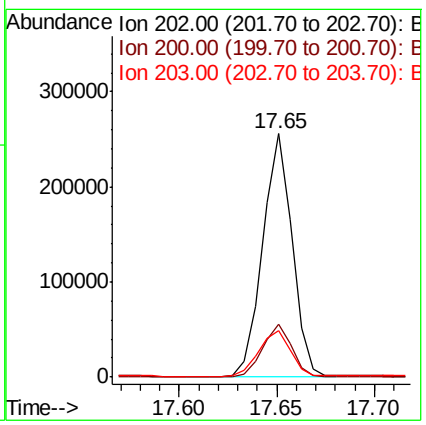


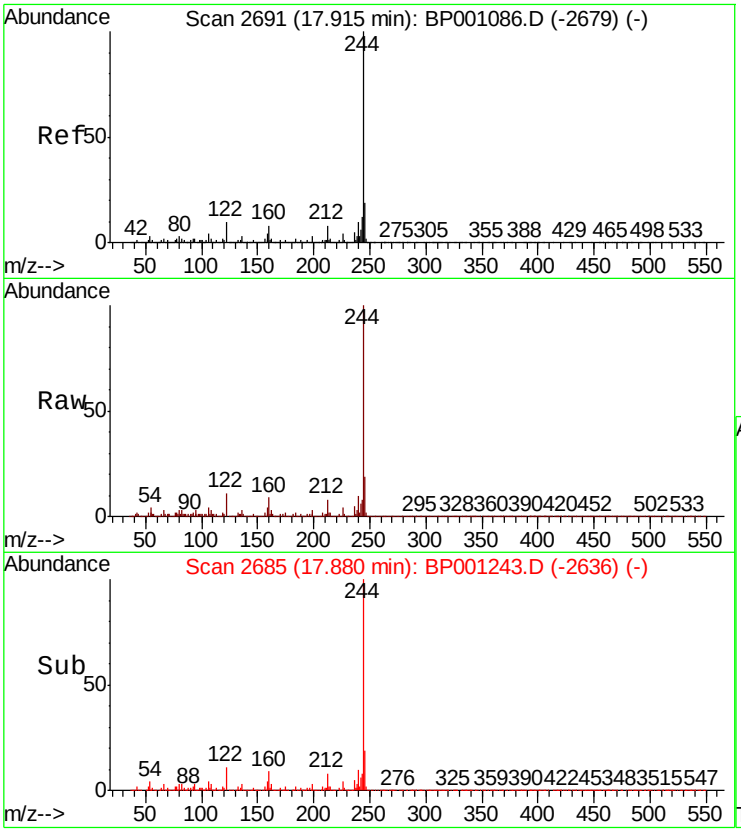




#78
Pyrene
Concen: 13.556 ng
RT: 17.65 min Scan# 2646
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:202 Resp: 267149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.3 | 25.9 |
| 203 | 18.9 | 13.8 | 20.8 |



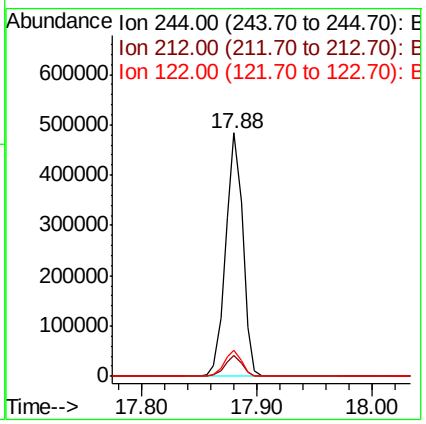


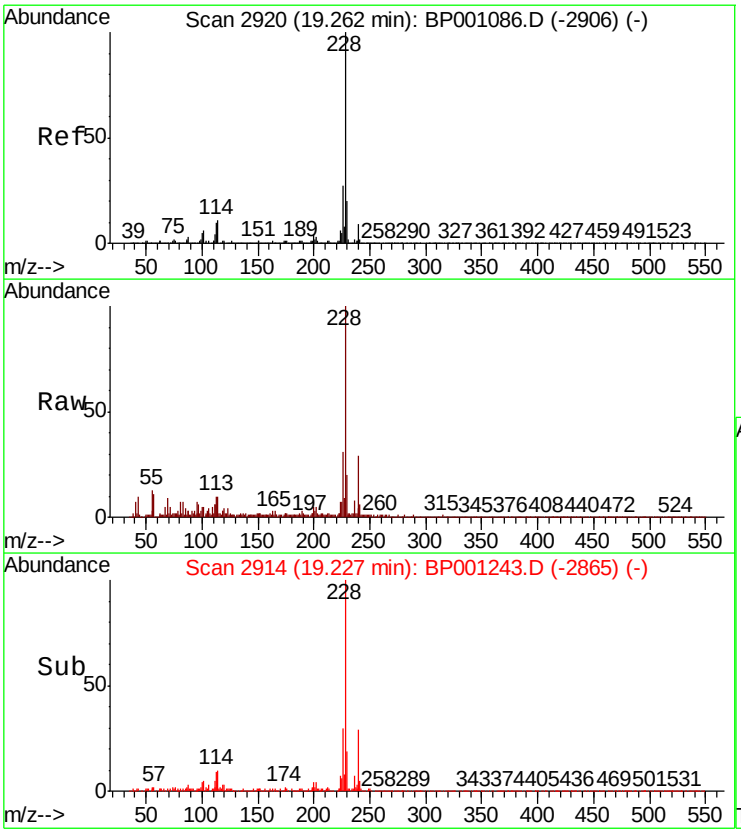

#79
Terphenyl-d14
Concen: 36.502 ng
RT: 17.88 min Scan# 2685
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:244 Resp: 493644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 6.6 | 9.8 |
| 122 | 10.6 | 9.2 | 13.8 |

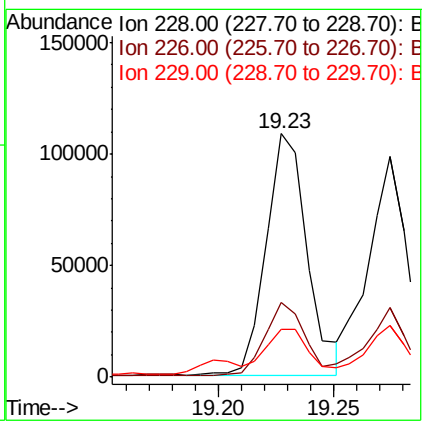


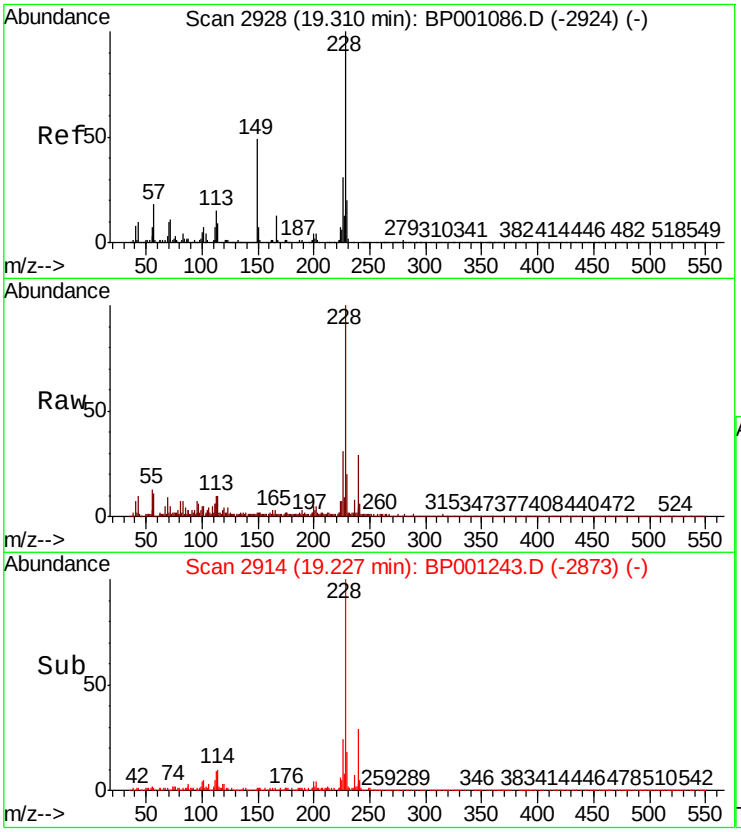




#81
Benzo(a)anthracene
Concen: 7.701 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:228 Resp: 133591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 21.7 | 32.5 |
| 229 | 19.7 | 15.8 | 23.6 |



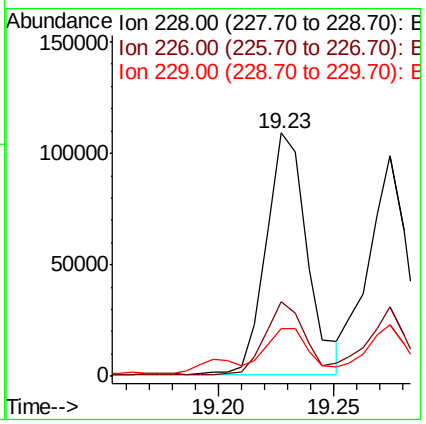


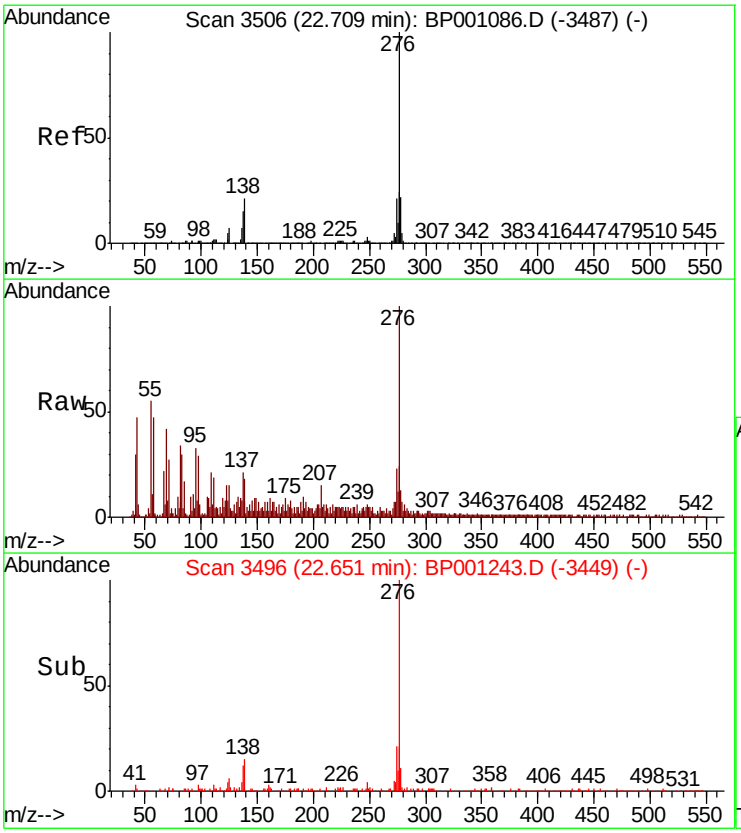

#83
Chrysene
Concen: 8.600 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.06 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:228 Resp: 133591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 23.7 | 35.5 |
| 229 | 19.7 | 15.2 | 22.8 |

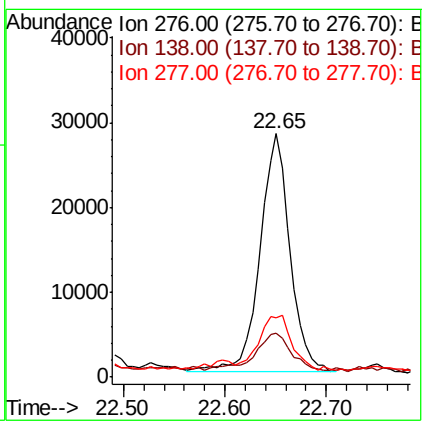


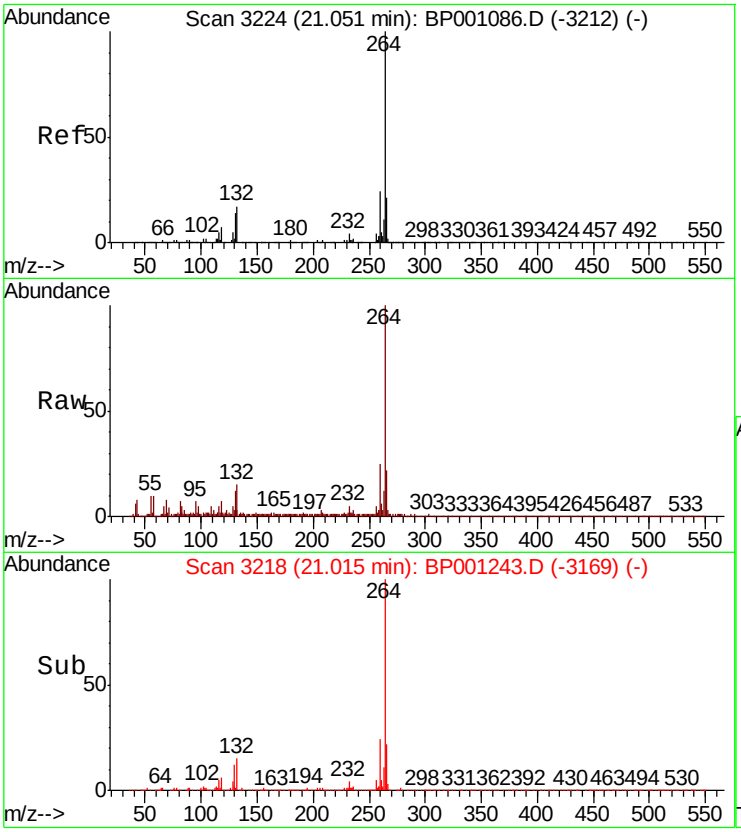




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.174 ng
RT: 22.65 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:276 Resp: 58106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.7 | 17.9 | 26.9 |
| 277 | 25.1 | 20.1 | 30.1 |



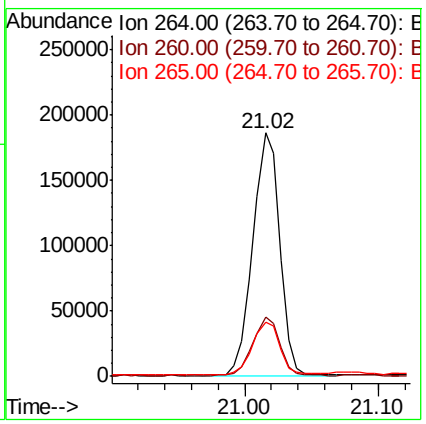


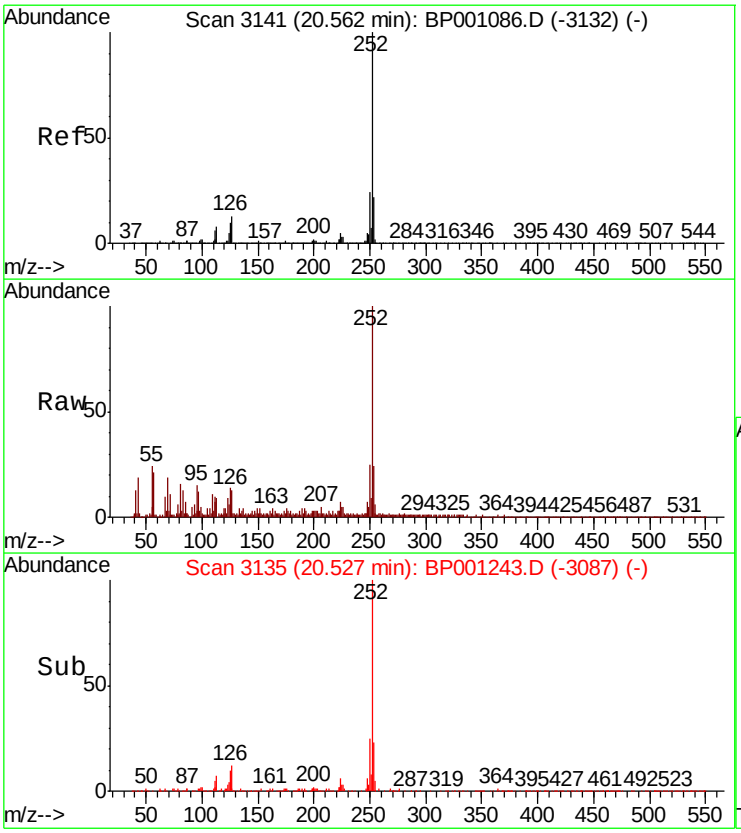

#87
Perylene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:264 Resp: 257118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 19.4 | 29.0 |
| 265 | 22.0 | 17.1 | 25.7 |

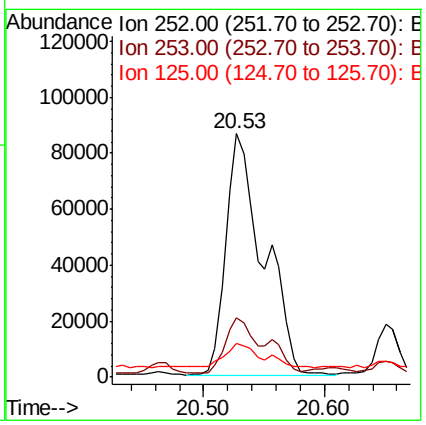


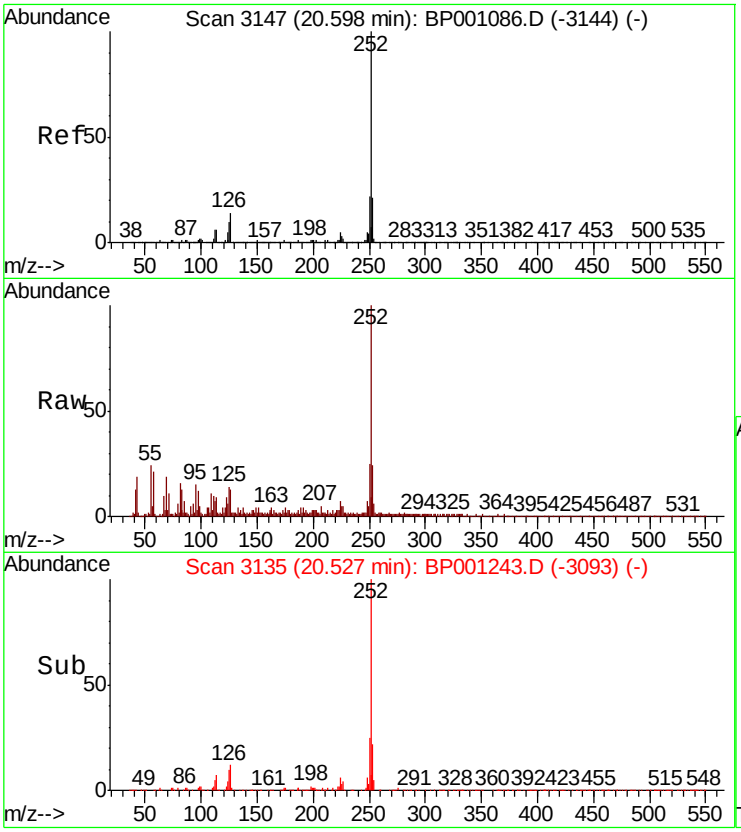




#88
Benzo(b)fluoranthene
Concen: 11.842 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:252 Resp: 185981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.0 | 25.6 |
| 125 | 14.0 | 6.6 | 9.8# |



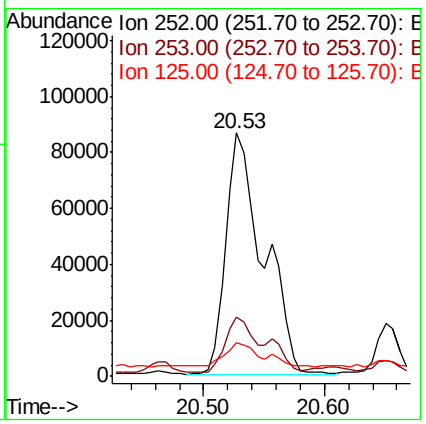


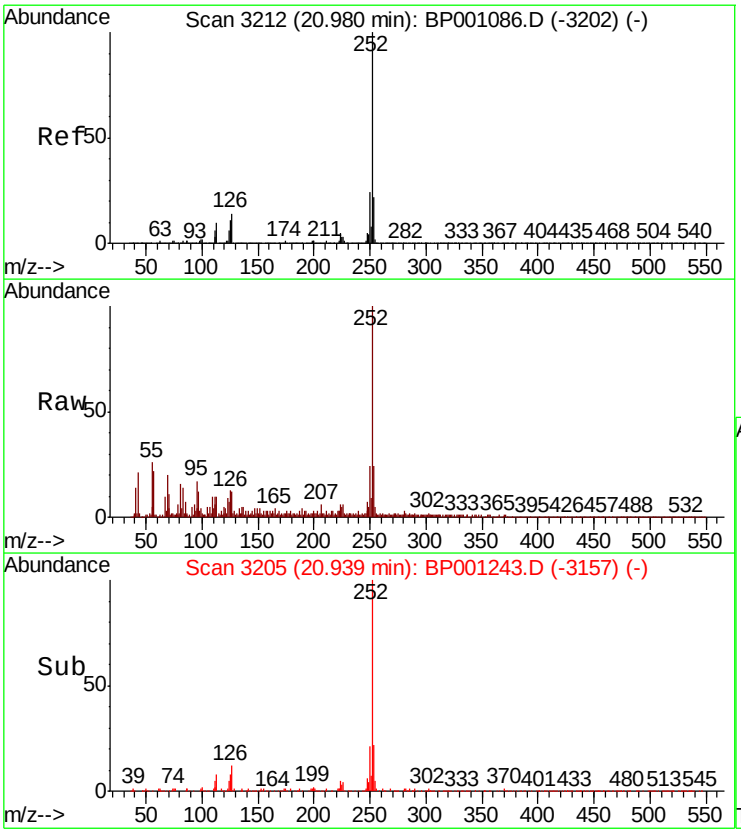

#89
Benzo(k)fluoranthene
Concen: 12.295 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.05 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:252 Resp: 185981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.2 | 25.8 |
| 125 | 14.0 | 6.2 | 9.4# |

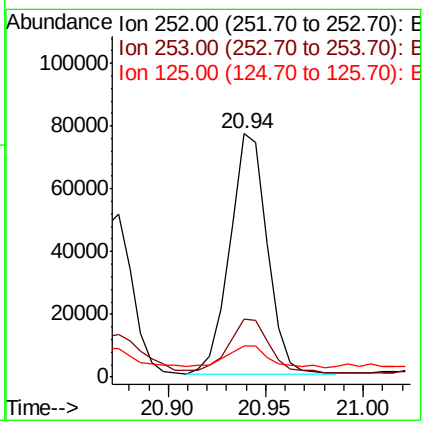


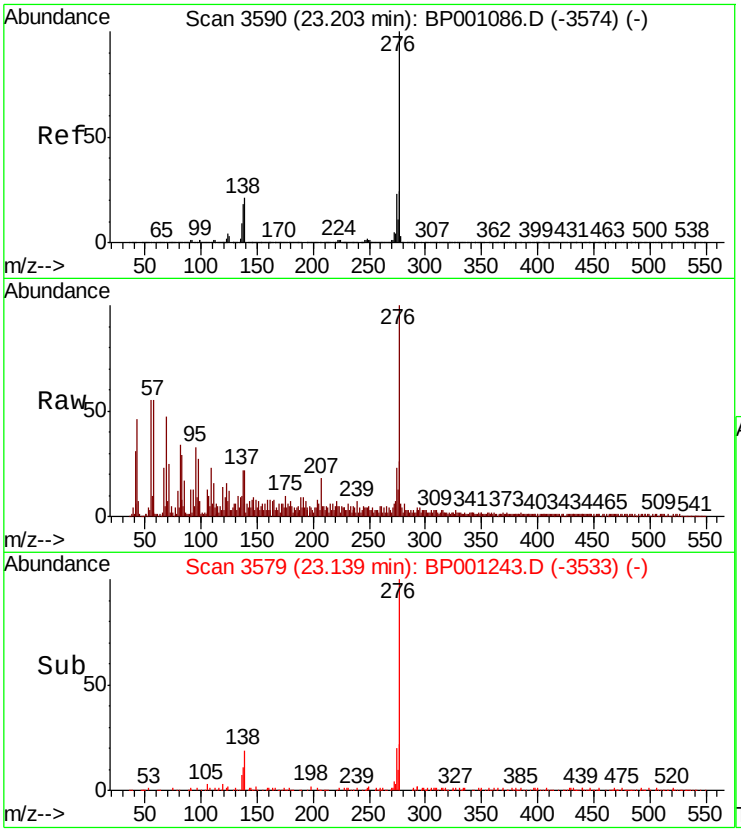




#90
Benzo(a)pyrene
Concen: 7.000 ng
RT: 20.94 min Scan# 3205
Delta R.T. -0.02 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

Tgt Ion:252 Resp: 101254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 16.8 | 25.2 |
| 125 | 12.6 | 7.8 | 11.6# |






#92
Benzo(g,h,i)perylene
Concen: 3.945 ng
RT: 23.14 min Scan# 3579
Delta R.T. -0.03 min
Lab File: BP001243.D
Acq: 06 Dec 2019 21:51

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

Tgt Ion:276 Resp: 55146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.8 | 18.6 | 28.0 |
| 138 | 22.5 | 15.6 | 23.4 |