Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P-3-OW(0-10)

Quant Time: May 08 02:11:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 123214 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.58 | 136 | 442329 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.43 | 164 | 276897 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.18 | 188 | 674870 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.36 | 240 | 728124 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.65 | 264 | 862979 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 943907 | 125.22 | ng | | 0.00 |
| 7) Phenol-d6 | 6.96 | 99 | 1294290 | 125.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.95 | 82 | 931679 | 83.16 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.92 | 330 | 605068 | 140.78 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.05 | 172 | 1873089 | 83.23 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.80 | 244 | 3366375 | 80.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.98 | 94 | 35545 | 3.206 | ng | | 95 |
| 32) Benzoic acid | 9.80 | 122 | 112 | 6.634 | ng | # | 39 |
| 50) Dimethylphthalate | 13.89 | 163 | 306167 | 13.010 | ng | | 97 |
| 52) Acenaphthene | 14.49 | 154 | 38693 | 2.317 | ng | | 95 |
| 58) Fluorene | 15.48 | 166 | 66305 | 2.866 | ng | | 99 |
| 71) Phenanthrene | 17.22 | 178 | 3020744 | 81.086 | ng | | 99 |
| 72) Anthracene | 17.31 | 178 | 564682 | 15.161 | ng | | 100 |
| 73) Carbazole | 17.59 | 167 | 314836 | 9.368 | ng | | 99 |
| 75) Fluoranthene | 19.24 | 202 | 5317853 | 112.822 | ng | | 99 |
| 78) Pyrene | 19.60 | 202 | 4663845 | 95.403 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.34 | 228 | 2527327 | 49.494 | ng | | 99 |
| 83) Chrysene | 21.40 | 228 | 2404878 | 48.561 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 25.98 | 276 | 1528296 | 25.945 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.96 | 252 | 3898314 | 68.408 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.96 | 252 | 3897924 | 74.986 | ng | | 100 |
| 90) Benzo(a)pyrene | 23.56 | 252 | 2202016 | 42.541 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.98 | 278 | 385942 | 7.170 | ng | # | 88 |
| 92) Benzo(g,h,i)perylene | 26.70 | 276 | 1510655 | 29.559 | ng | | 99 |

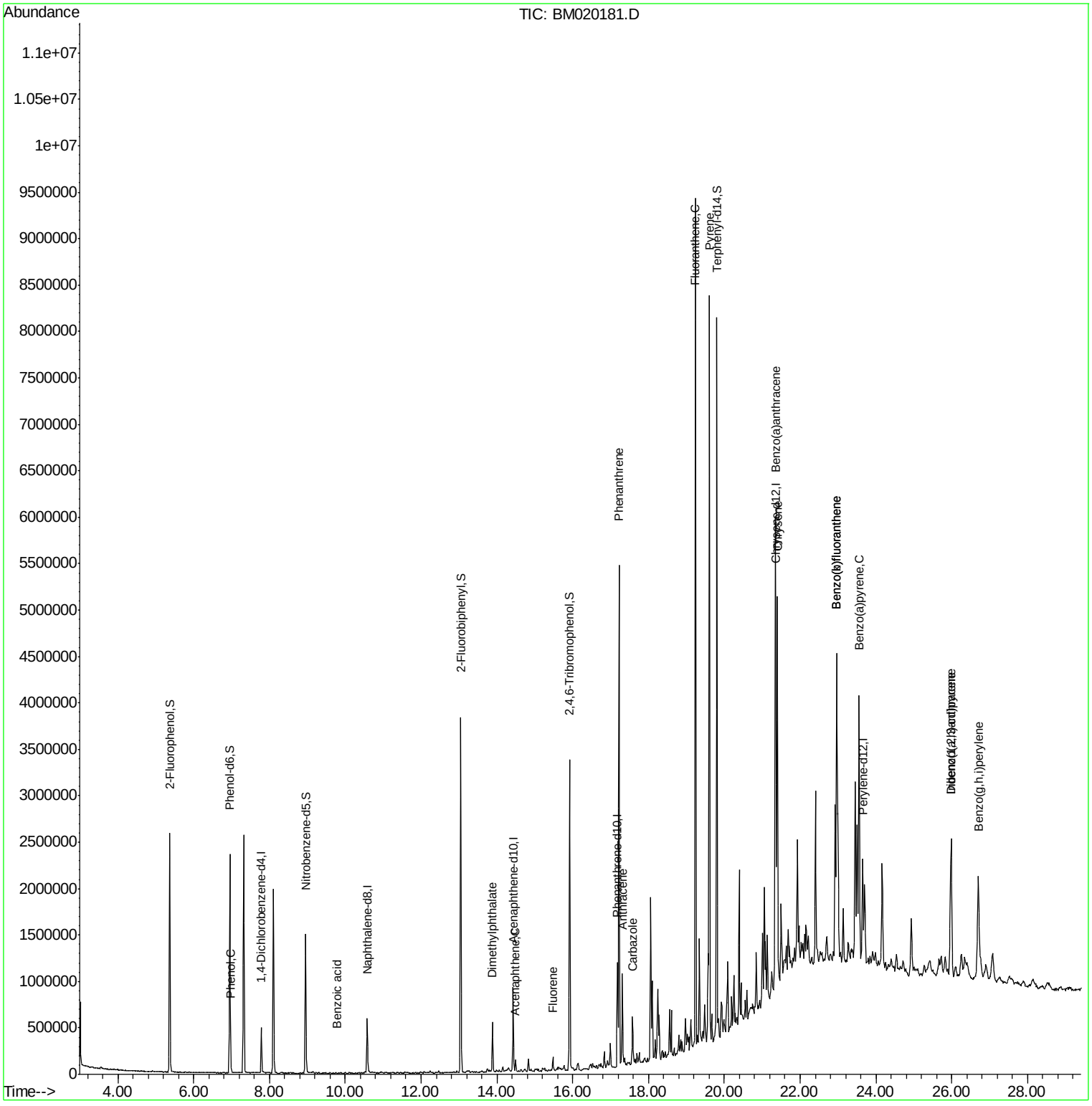
(#) = qualifier out of range (m) = manual integration (+) = signals summed

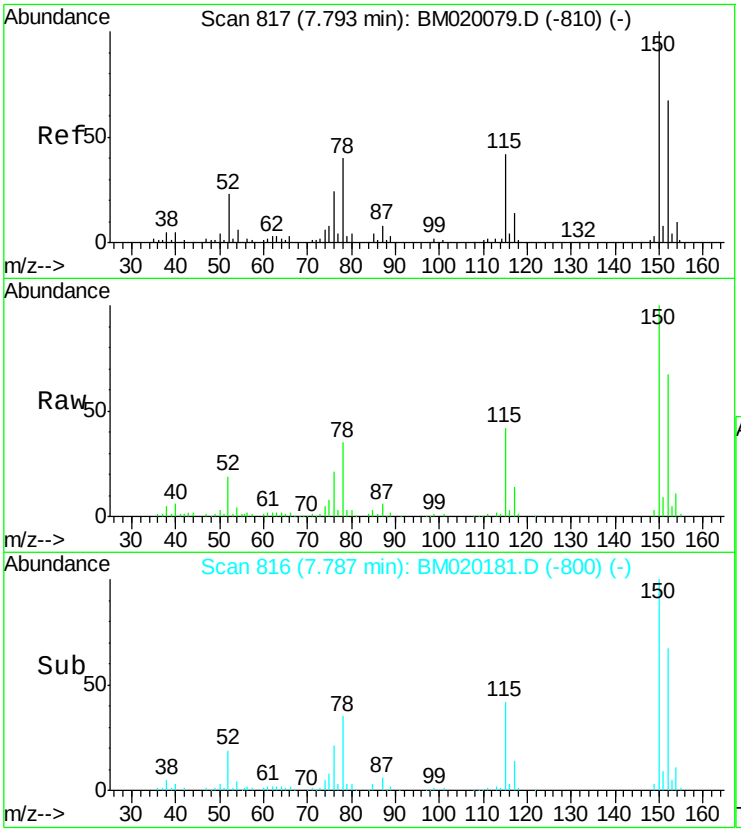
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P-3-OW(0-10)

Quant Time: May 08 02:11:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration



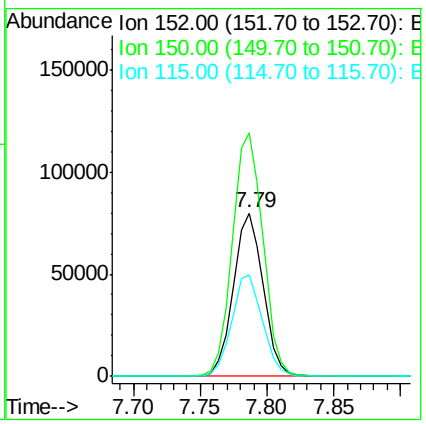


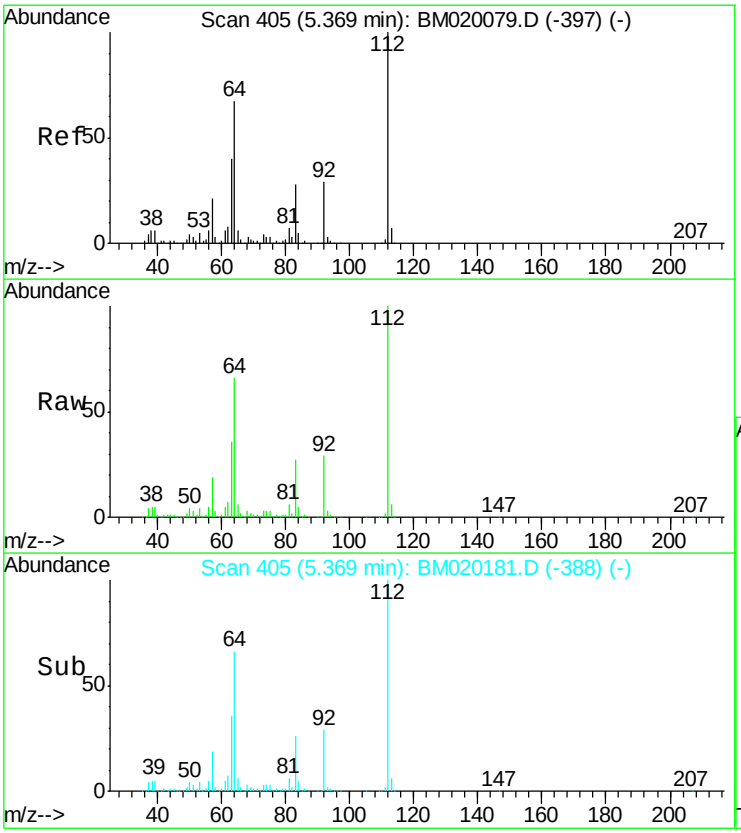

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:152 Resp: 123214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 149.2 | 119.8 | 179.8 |
| 115 | 62.5 | 50.8 | 76.2 |

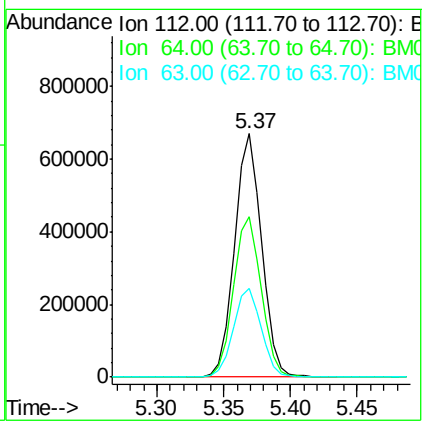


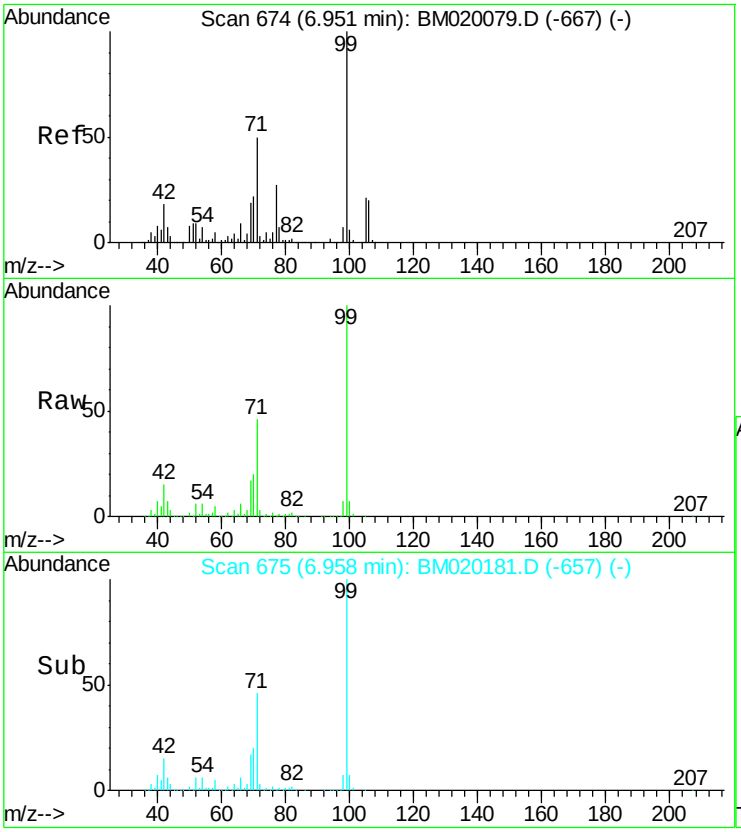




#5
2-Fluorophenol
Concen: 125.221 ng
RT: 5.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:112 Resp: 943907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.9 | 53.8 | 80.6 |
| 63 | 36.5 | 32.3 | 48.5 |



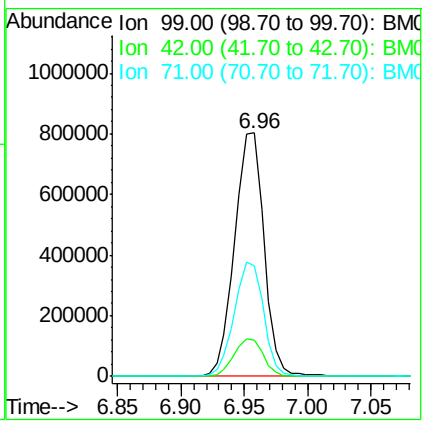


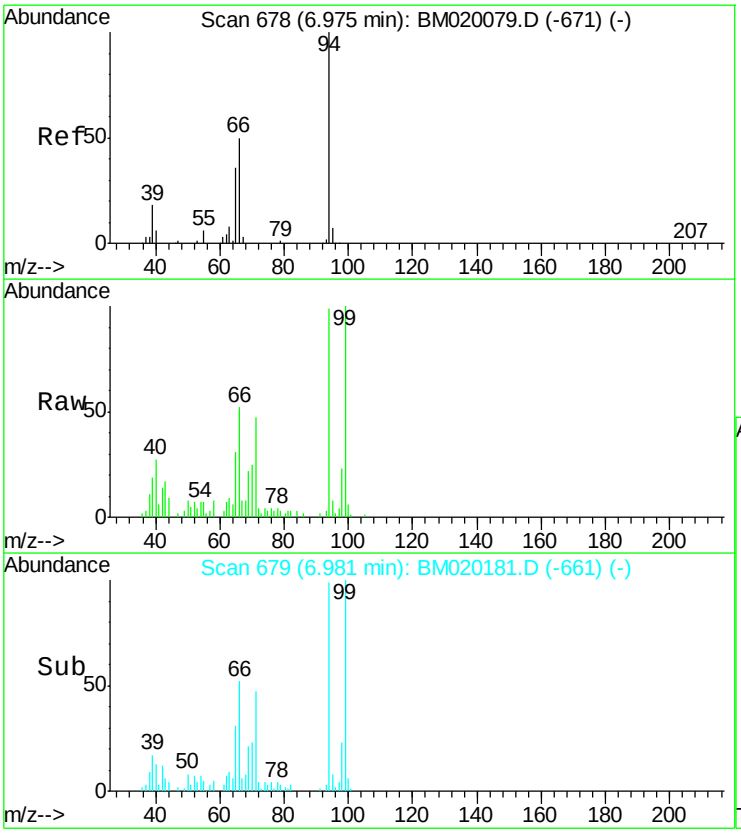

#7
Phenol-d6
Concen: 125.686 ng
RT: 6.96 min Scan# 675
Delta R.T. 0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion: 99 Resp: 1294290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 14.2 | 21.2 |
| 71 | 45.5 | 40.3 | 60.5 |

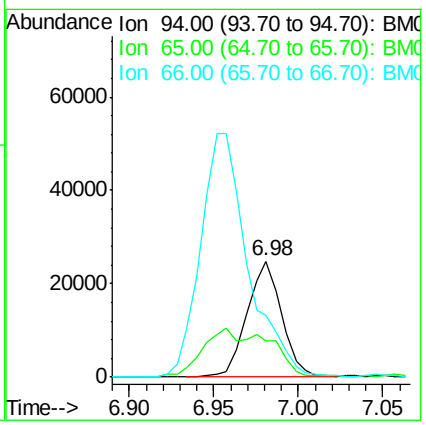


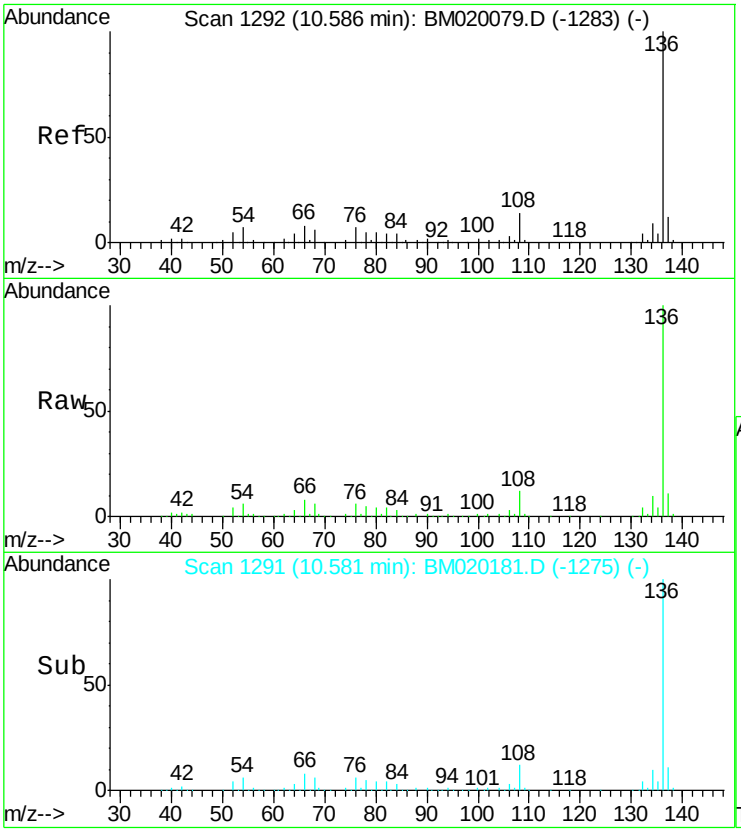




#10
Phenol
Concen: 3.206 ng
RT: 6.98 min Scan# 679
Delta R.T. 0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion: 94 Resp: 35545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.5 | 17.0 | 57.0 |
| 66 | 52.9 | 34.5 | 74.5 |



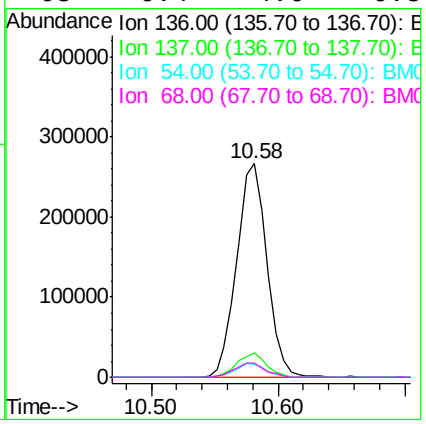


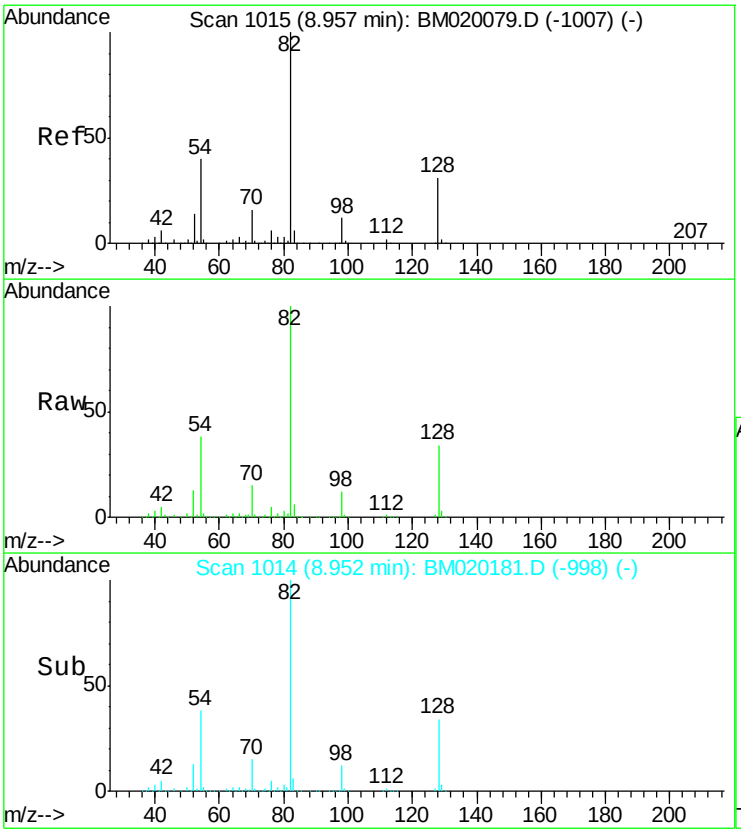

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:136 Resp: 442329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.6 | 14.4 |
| 54 | 5.8 | 5.5 | 8.3 |
| 68 | 6.4 | 4.6 | 6.8 |

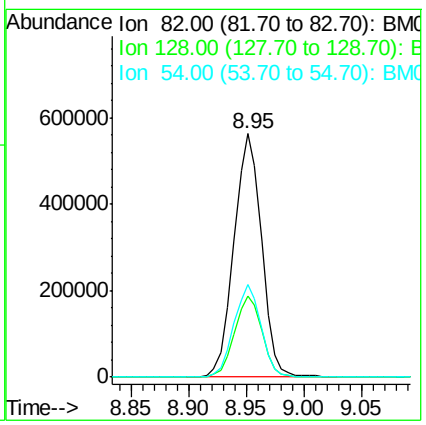


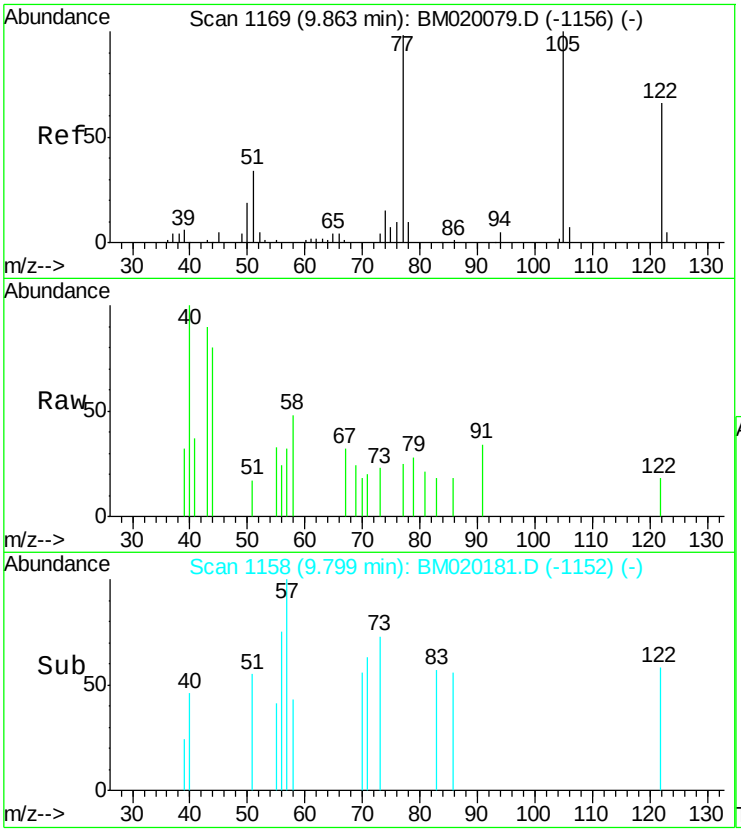




#23
Nitrobenzene-d5
Concen: 83.157 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion: 82 Resp: 931679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.6 | 25.2 | 37.8 |
| 54 | 38.0 | 31.9 | 47.9 |



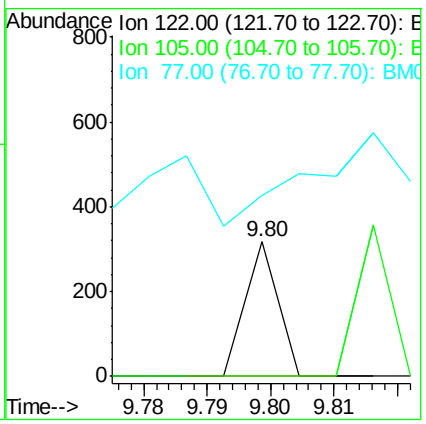


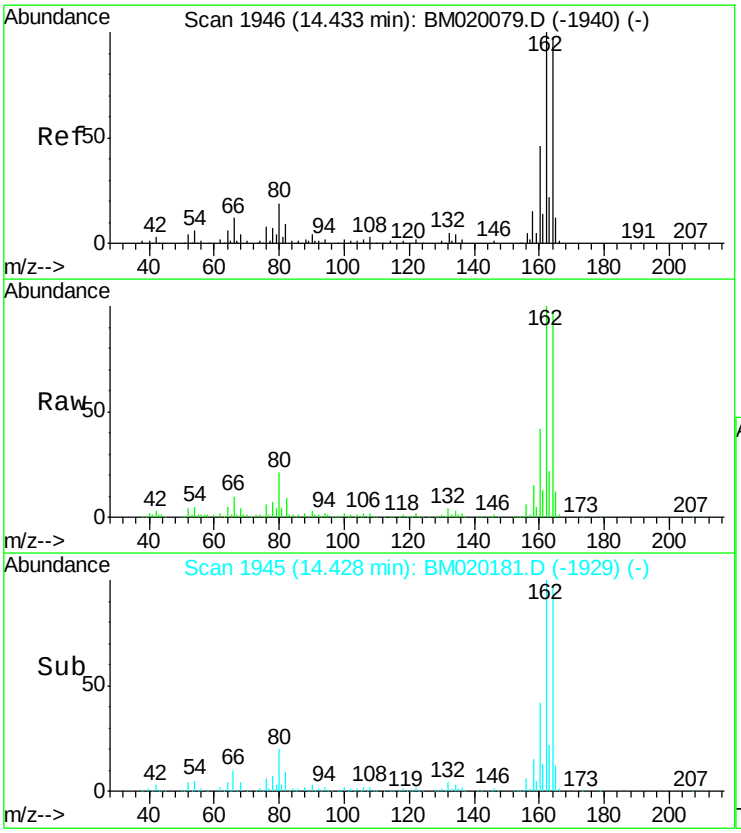

#32
Benzoic acid
Concen: 6.634 ng
RT: 9.80 min Scan# 1158
Delta R.T. -0.06 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:122 Resp: 112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 122.5 | 162.5# |
| 77 | 134.4 | 123.3 | 163.3 |

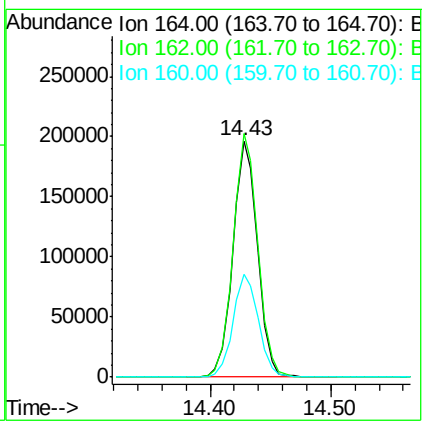


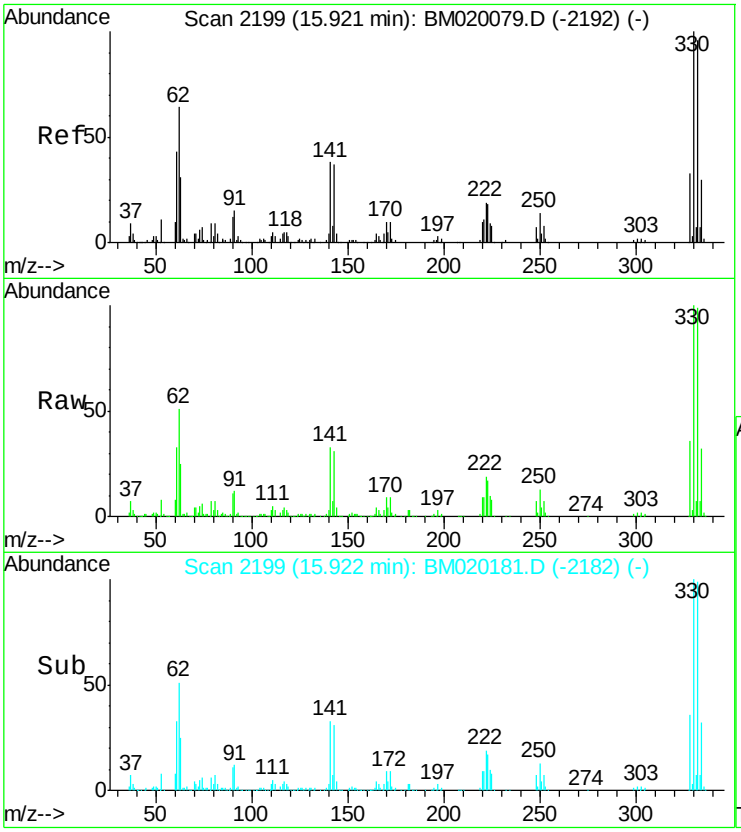




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:164 Resp: 276897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.1 | 82.2 | 123.2 |
| 160 | 43.4 | 37.6 | 56.4 |



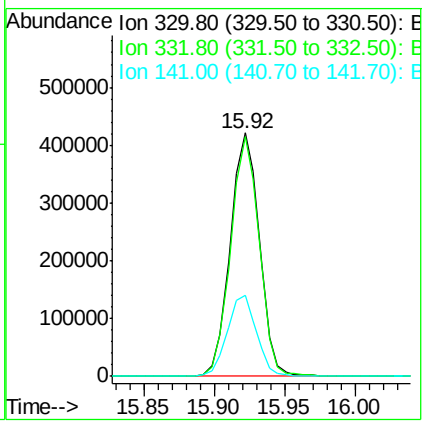


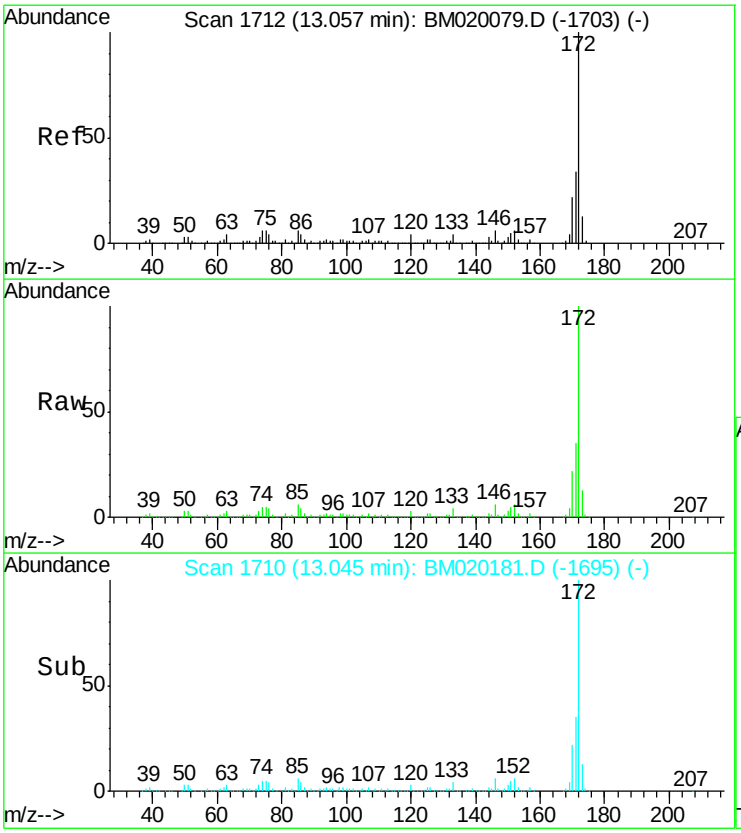

#42
2,4,6-Tribromophenol
Concen: 140.780 ng
RT: 15.92 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:330 Resp: 605068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.8 | 115.2 |
| 141 | 33.0 | 29.2 | 43.8 |

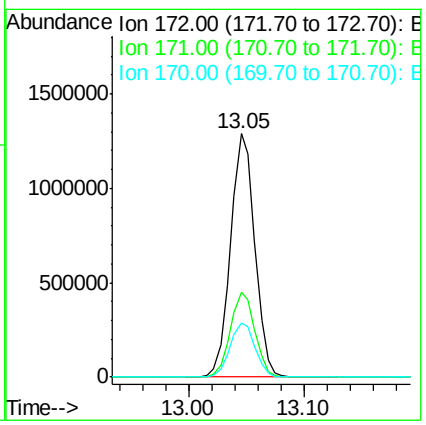


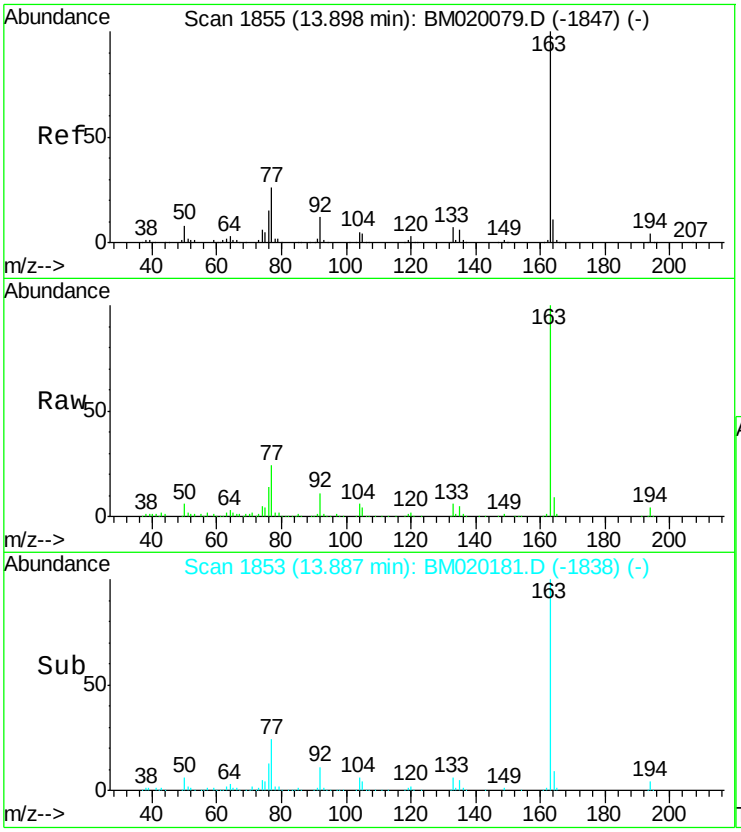




#45
2-Fluorobiphenyl
Concen: 83.229 ng
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:172 Resp: 1873089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.3 | 40.9 |
| 170 | 22.5 | 17.9 | 26.9 |



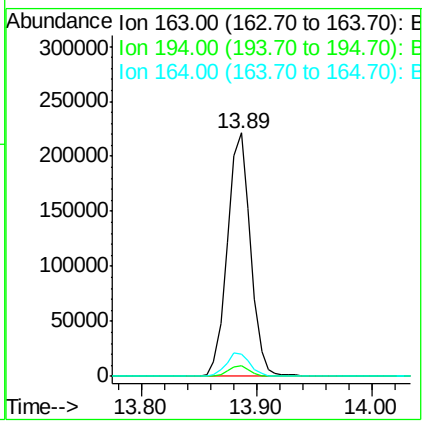


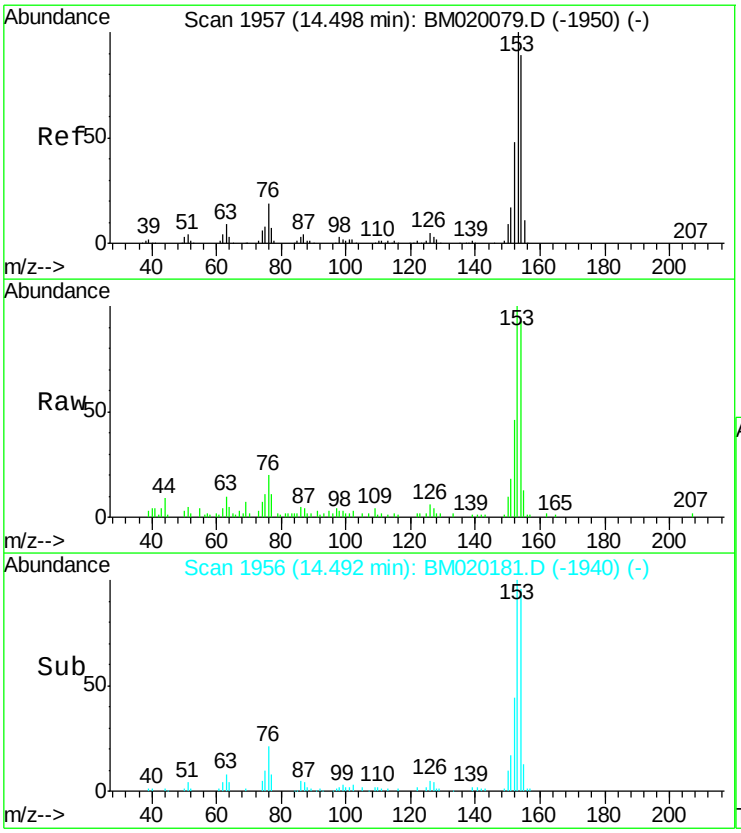

#50
Dimethylphthalate
Concen: 13.010 ng
RT: 13.89 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:163 Resp: 306167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.6 | 5.4 |
| 164 | 9.1 | 8.4 | 12.6 |

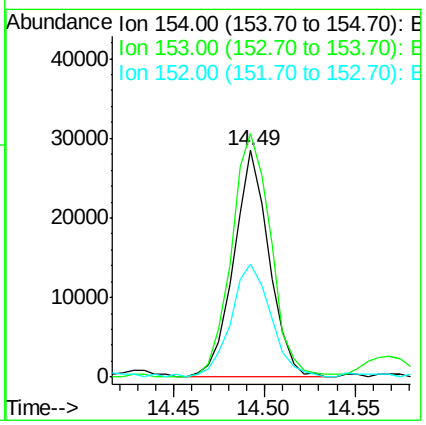


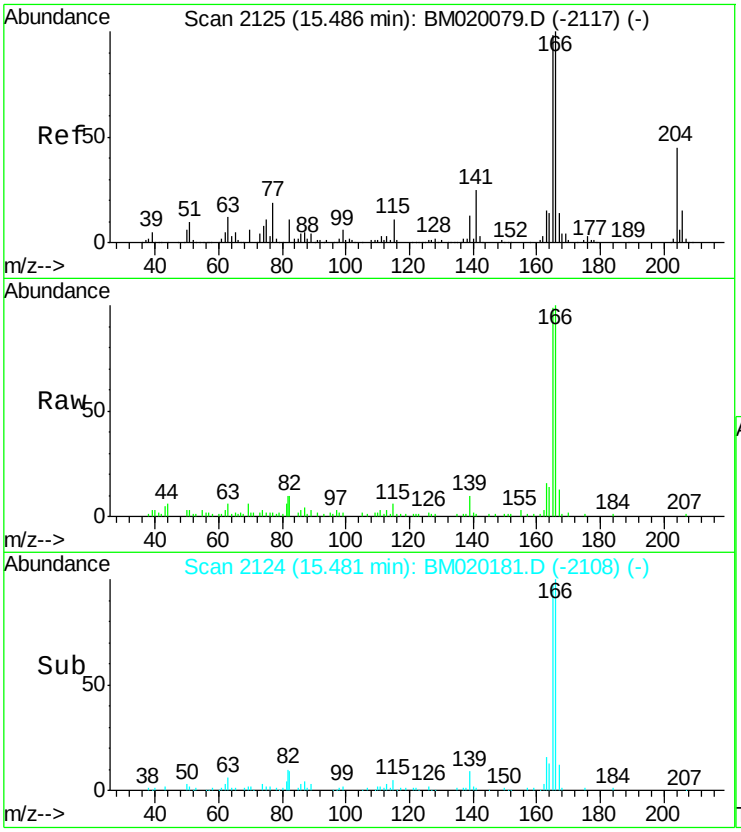




#52
Acenaphthene
Concen: 2.317 ng
RT: 14.49 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:154 Resp: 38693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.4 | 90.2 | 135.2 |
| 152 | 49.8 | 43.0 | 64.4 |



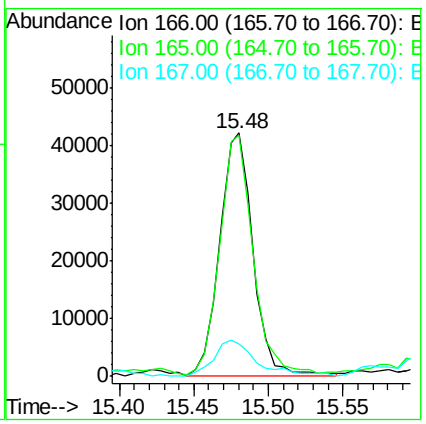


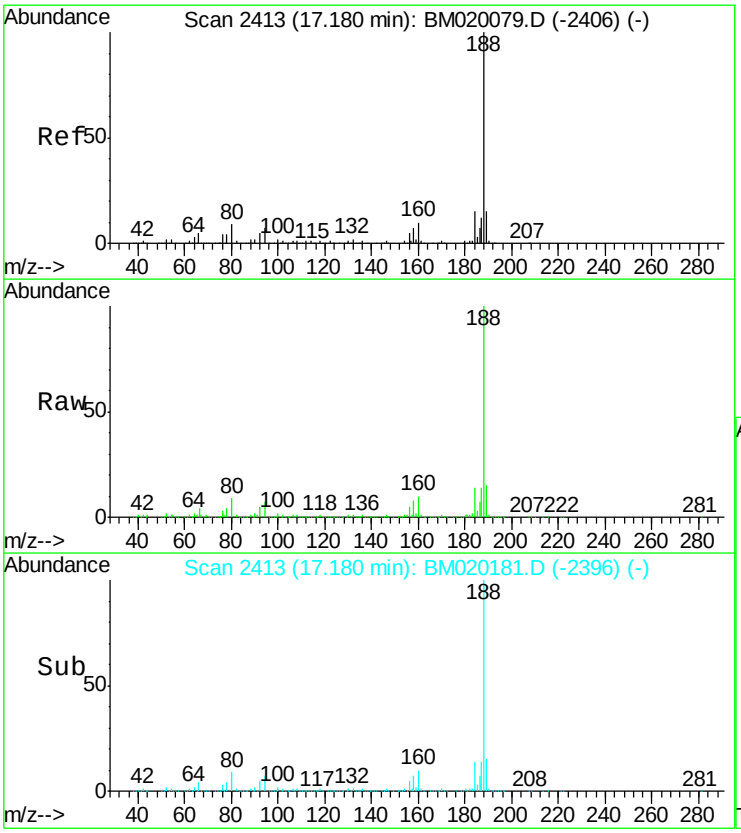

#58
Fluorene
Concen: 2.866 ng
RT: 15.48 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:166 Resp: 66305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 78.2 | 117.2 |
| 167 | 13.3 | 11.0 | 16.4 |

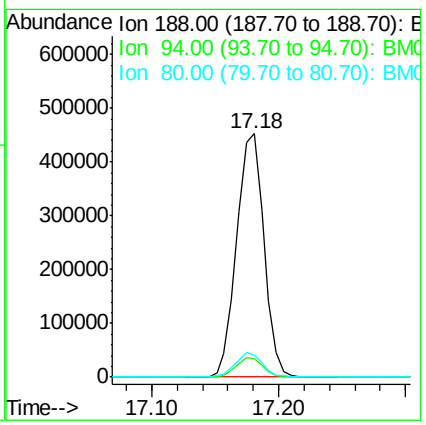


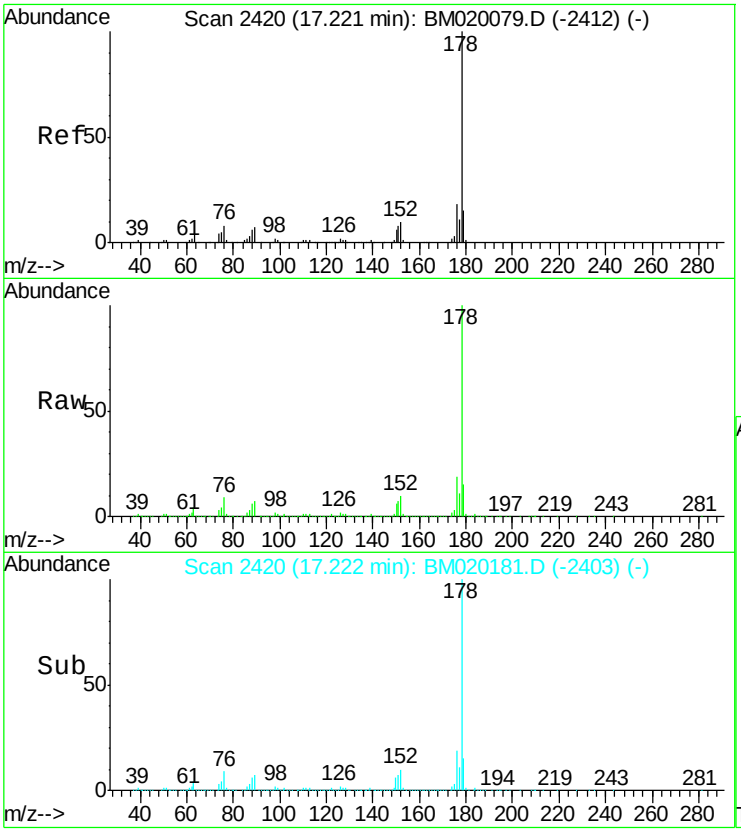




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:188 Resp: 674870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 5.8 | 8.6 |
| 80 | 9.4 | 7.4 | 11.2 |



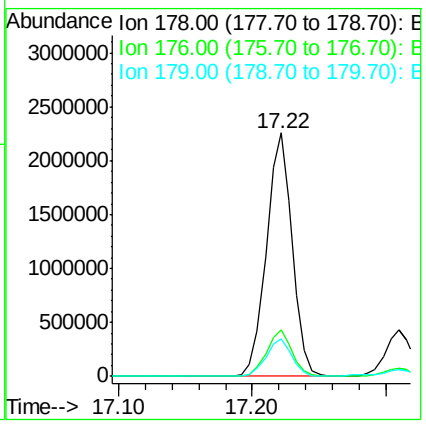


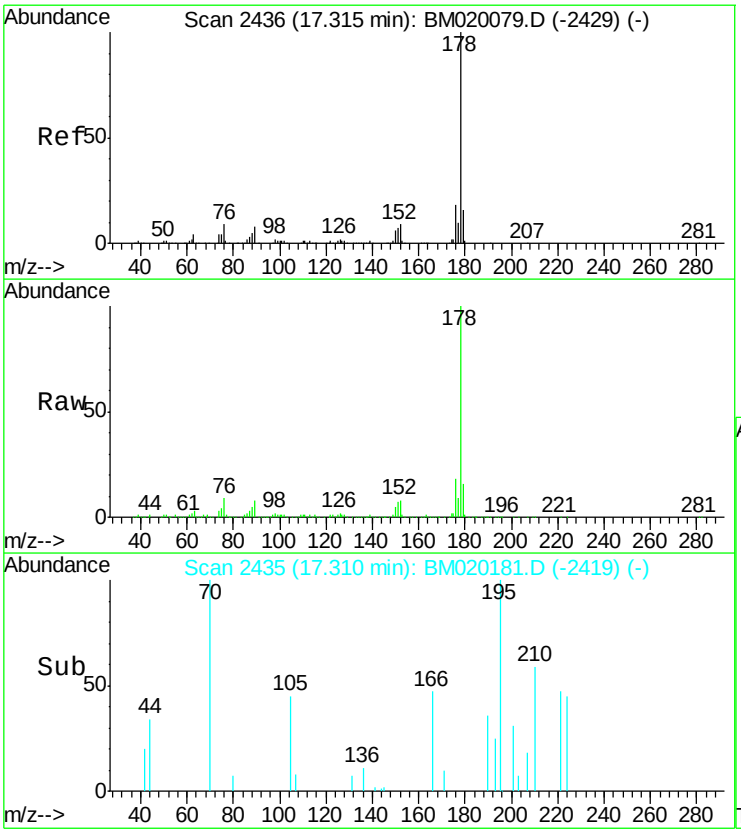

#71
Phenanthrene
Concen: 81.086 ng
RT: 17.22 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:178 Resp: 3020744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 14.6 | 21.8 |
| 179 | 15.5 | 12.4 | 18.6 |

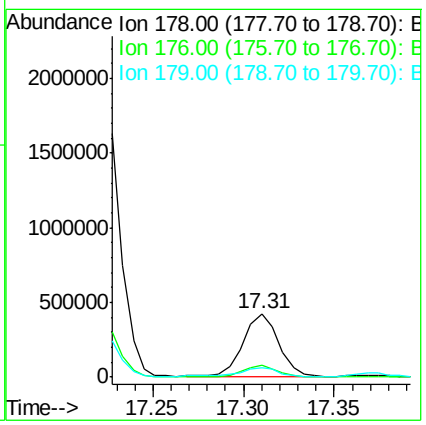


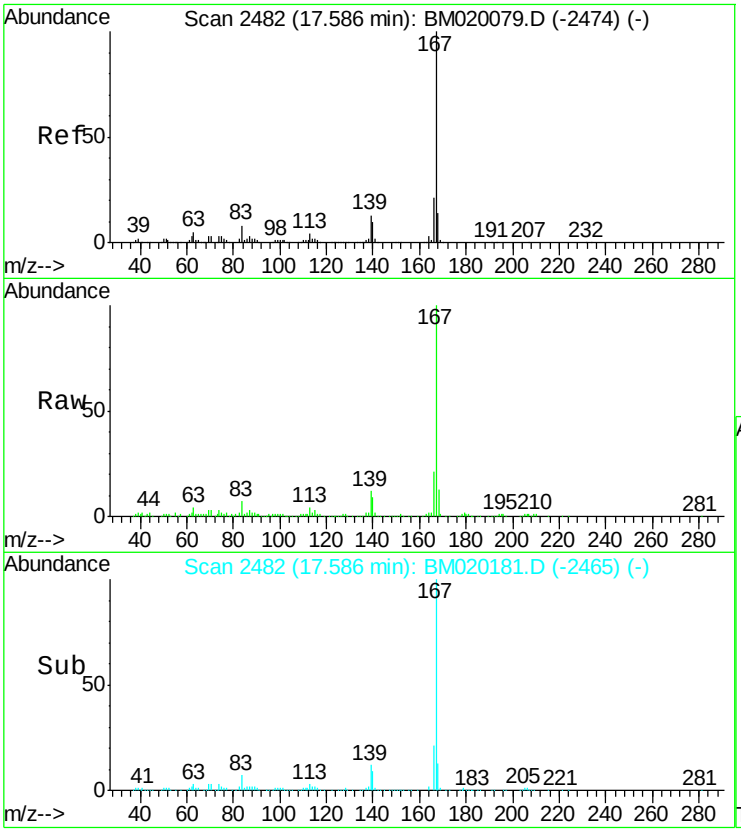




#72
Anthracene
Concen: 15.161 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:178 Resp: 564682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 14.6 | 22.0 |
| 179 | 15.6 | 12.4 | 18.6 |



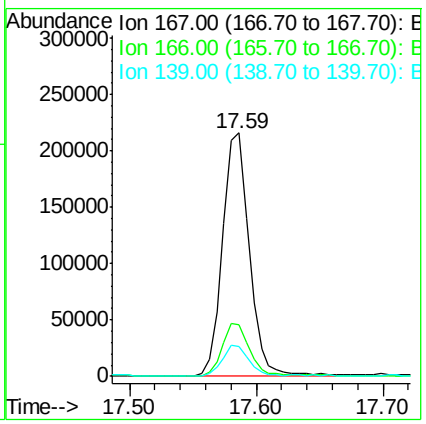


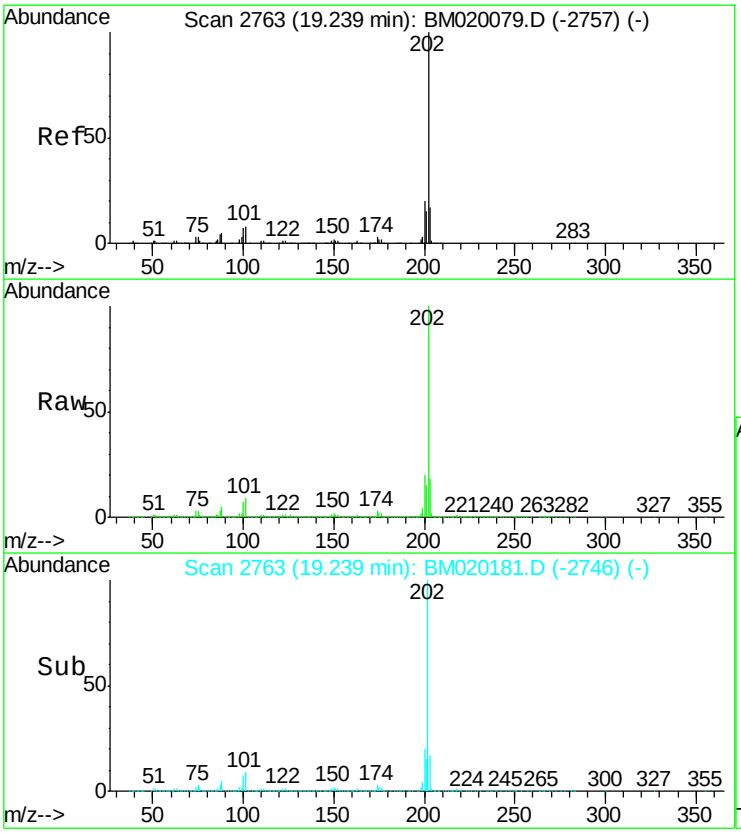

#73
Carbazole
Concen: 9.368 ng
RT: 17.59 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:167 Resp: 314836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.2 | 10.6 | 16.0 |

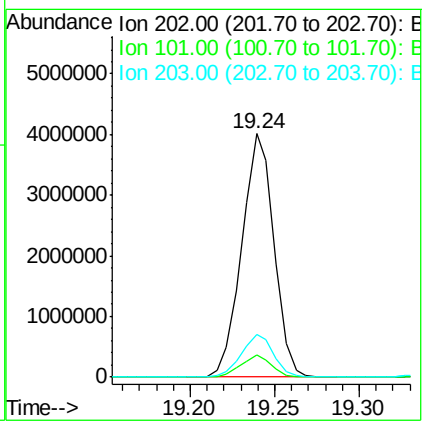


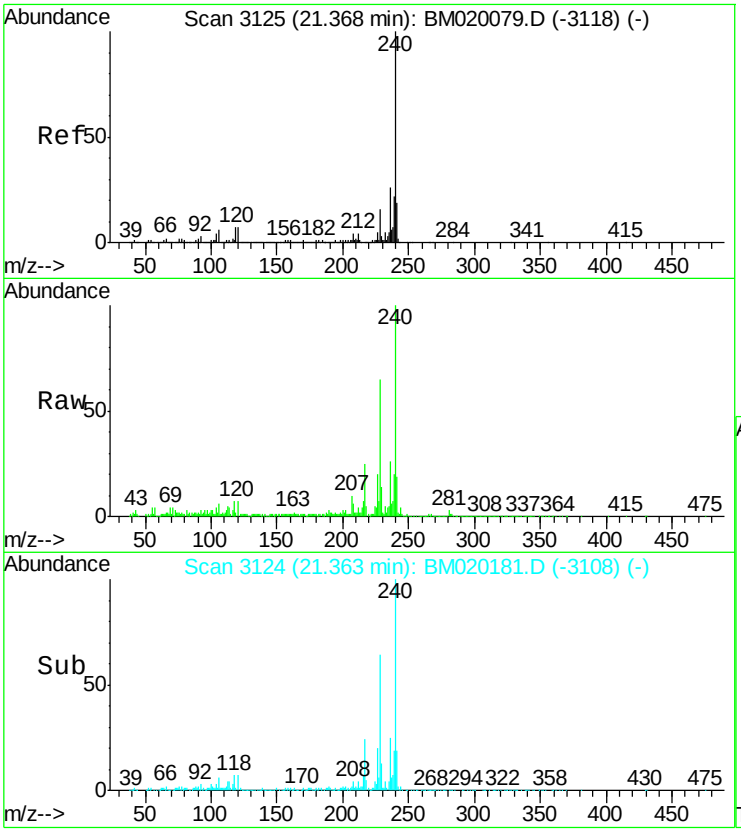




#75
Fluoranthene
Concen: 112.822 ng
RT: 19.24 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:202 Resp: 5317853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.9 | 0.0 | 28.4 |
| 203 | 17.7 | 0.0 | 37.4 |



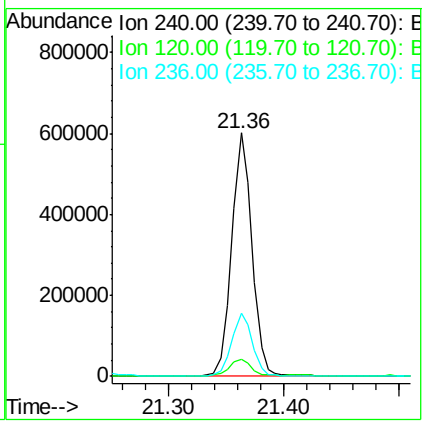


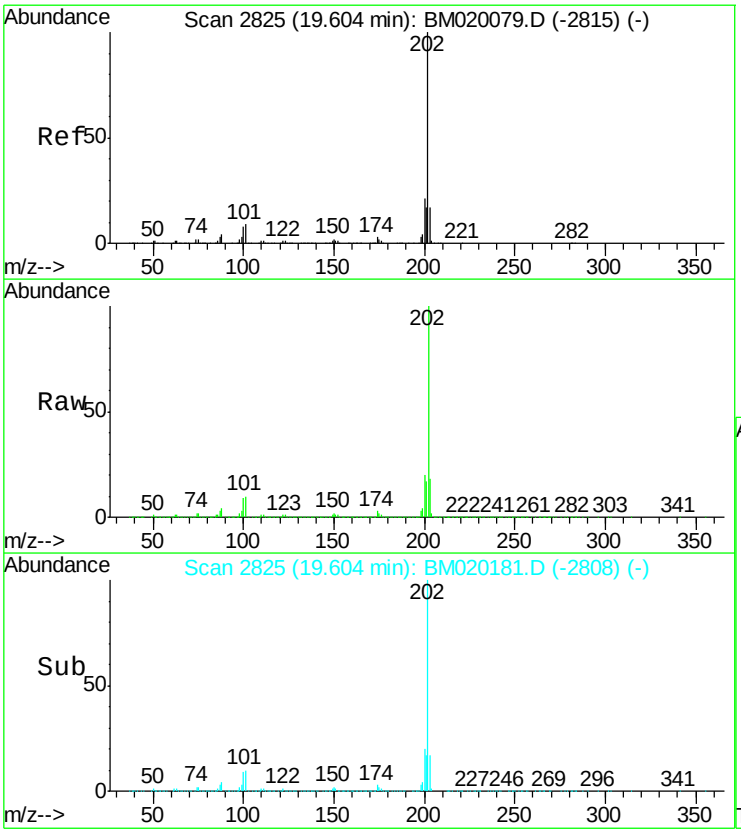

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:240 Resp: 728124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.1 | 5.6 | 8.4 |
| 236 | 25.7 | 20.9 | 31.3 |

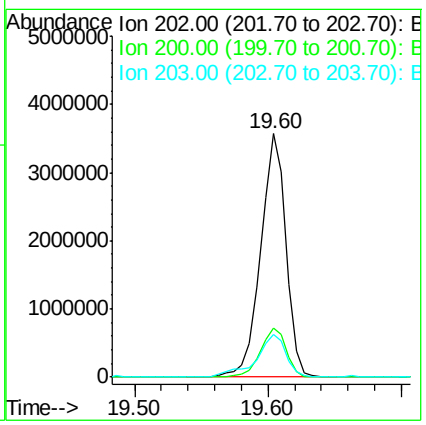


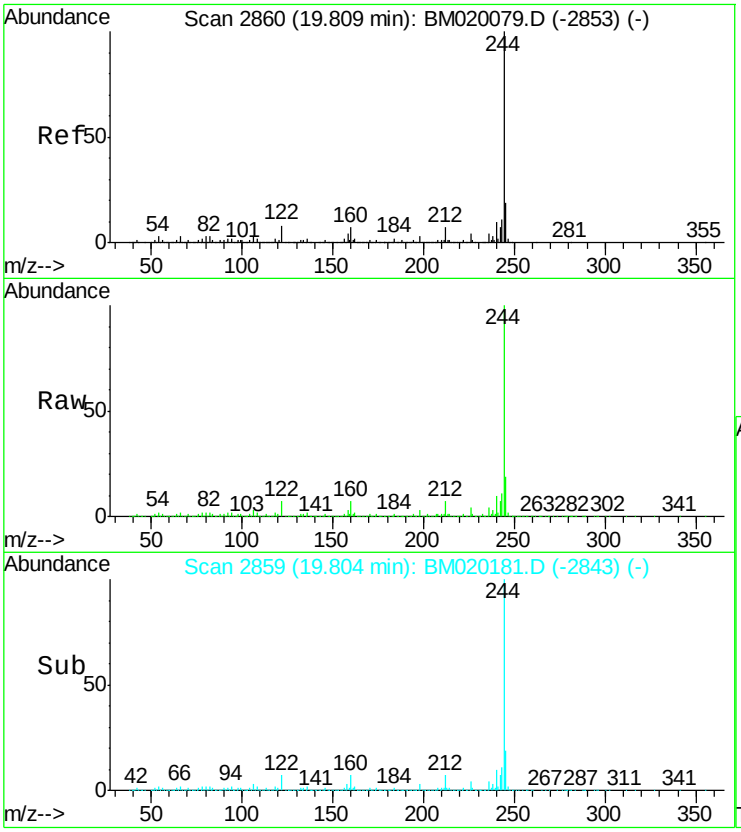




#78
Pyrene
Concen: 95.403 ng
RT: 19.60 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:202 Resp: 4663845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.5 | 24.7 |
| 203 | 17.6 | 13.9 | 20.9 |



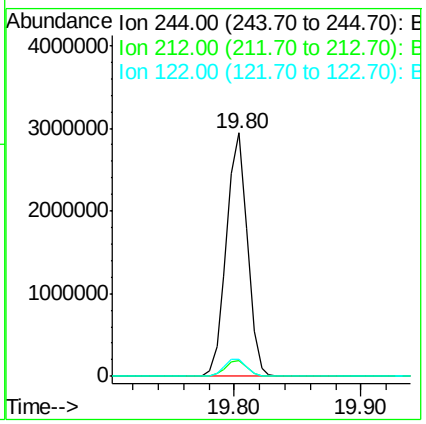


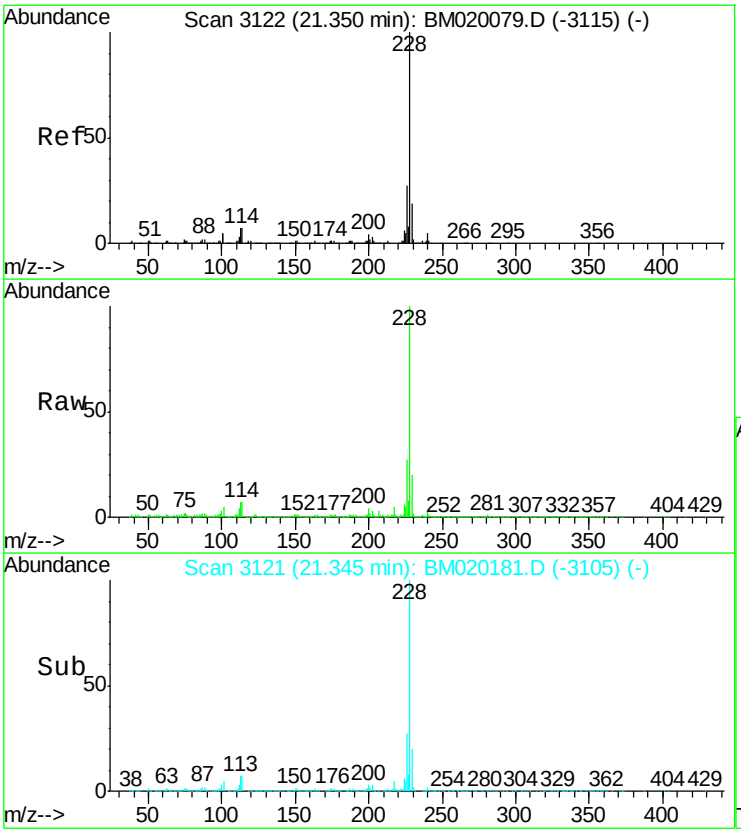

#79
Terphenyl-d14
Concen: 80.641 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:244 Resp: 3366375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.7 | 8.5 |
| 122 | 7.1 | 6.2 | 9.2 |

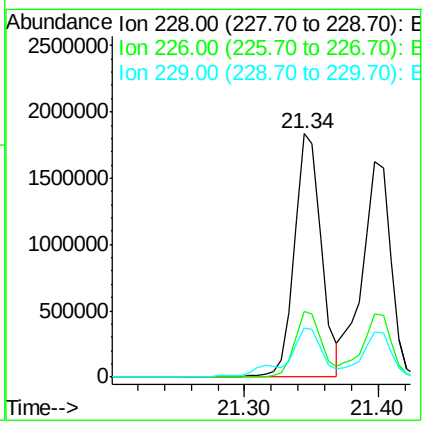


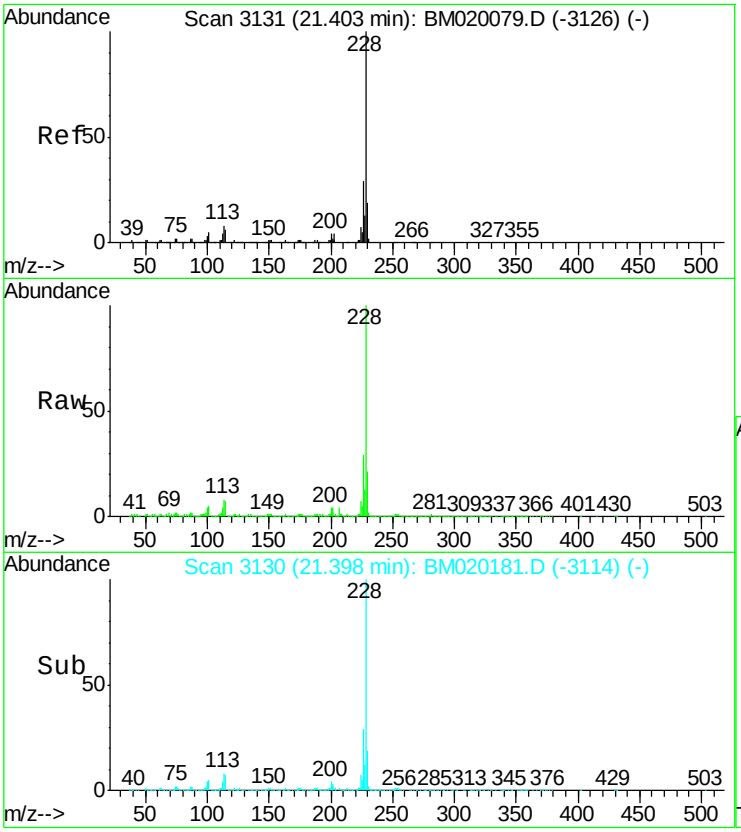




#81
Benzo(a)anthracene
Concen: 49.494 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:228 Resp: 2527327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.3 | 31.9 |
| 229 | 20.3 | 15.5 | 23.3 |



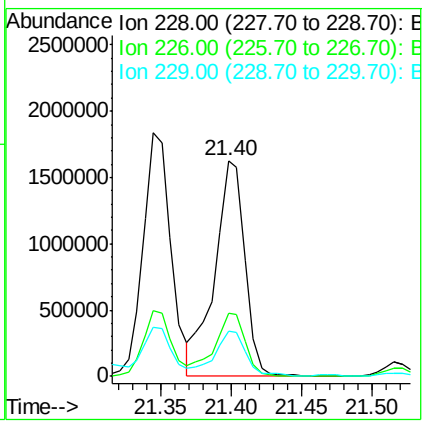


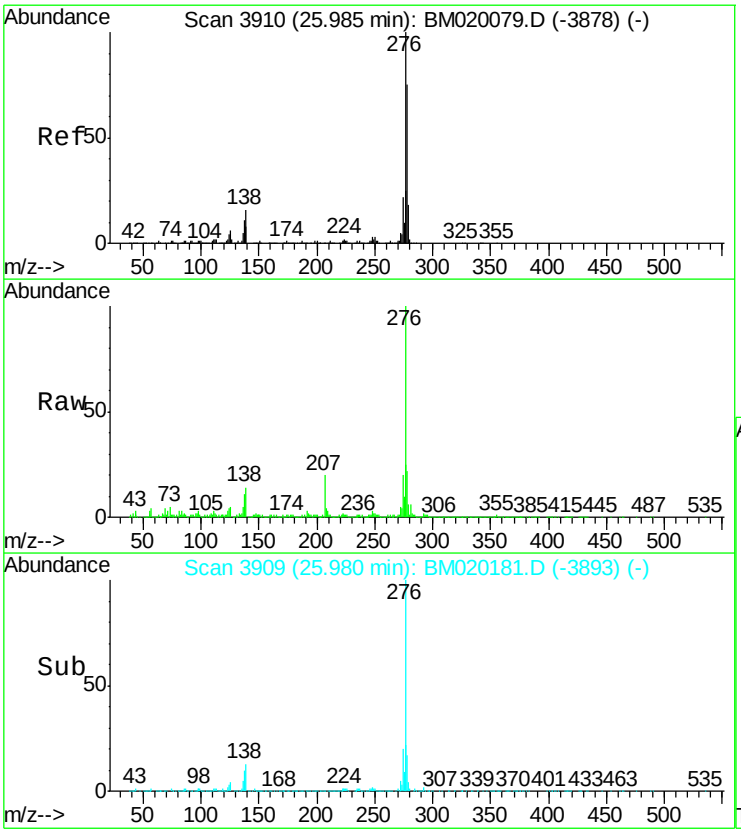

#83
Chrysene
Concen: 48.561 ng
RT: 21.40 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:228 Resp: 2404878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 23.0 | 34.6 |
| 229 | 21.0 | 15.5 | 23.3 |

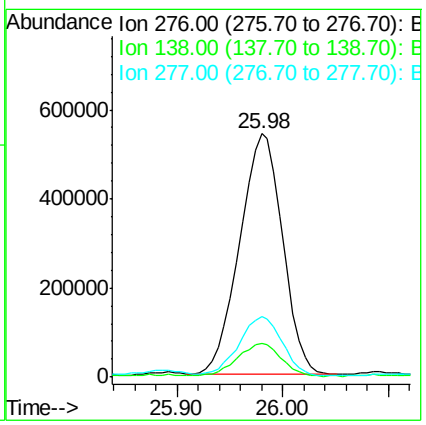


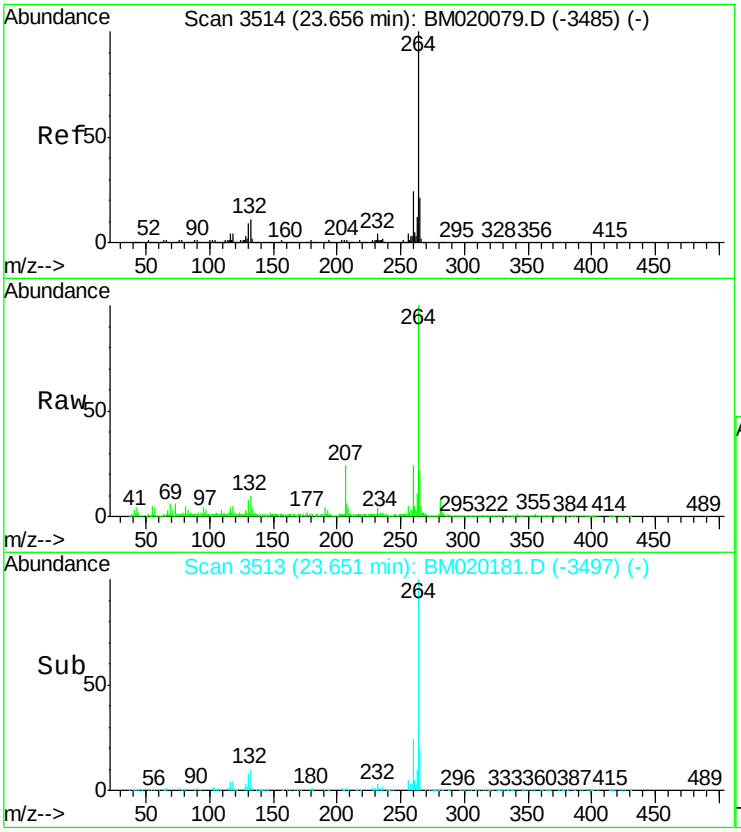




#86
Indeno(1,2,3-cd)pyrene
Concen: 25.945 ng
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:276 Resp: 1528296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.6 | 0.0 | 0.0# |
| 277 | 25.0 | 0.0 | 0.0# |



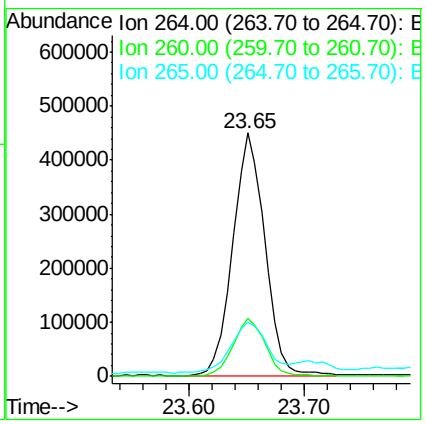


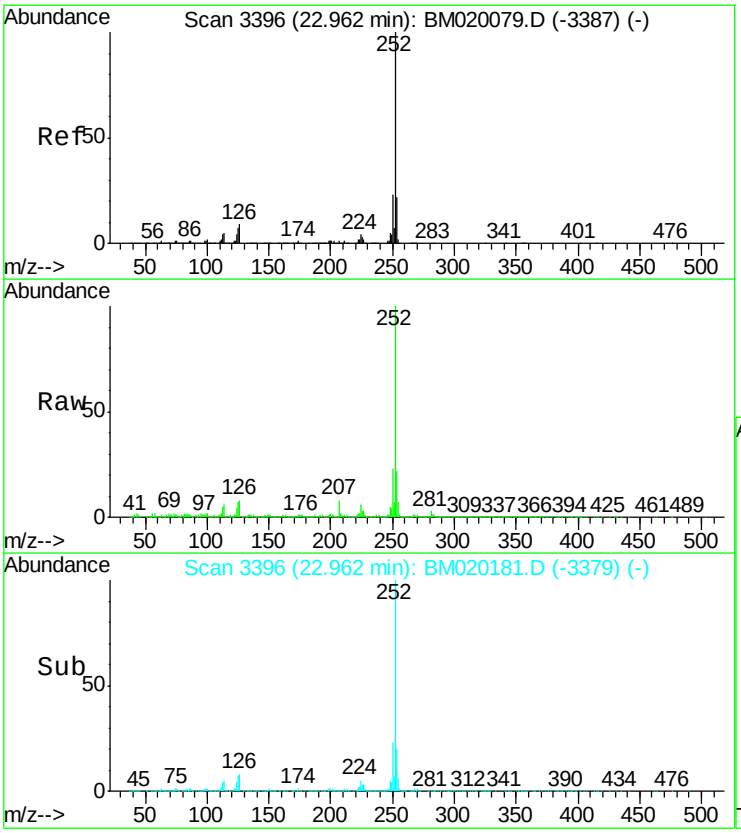

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.65 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:264 Resp: 862979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 22.1 | 16.9 | 25.3 |

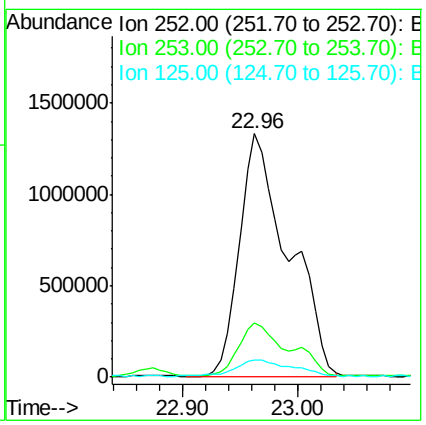


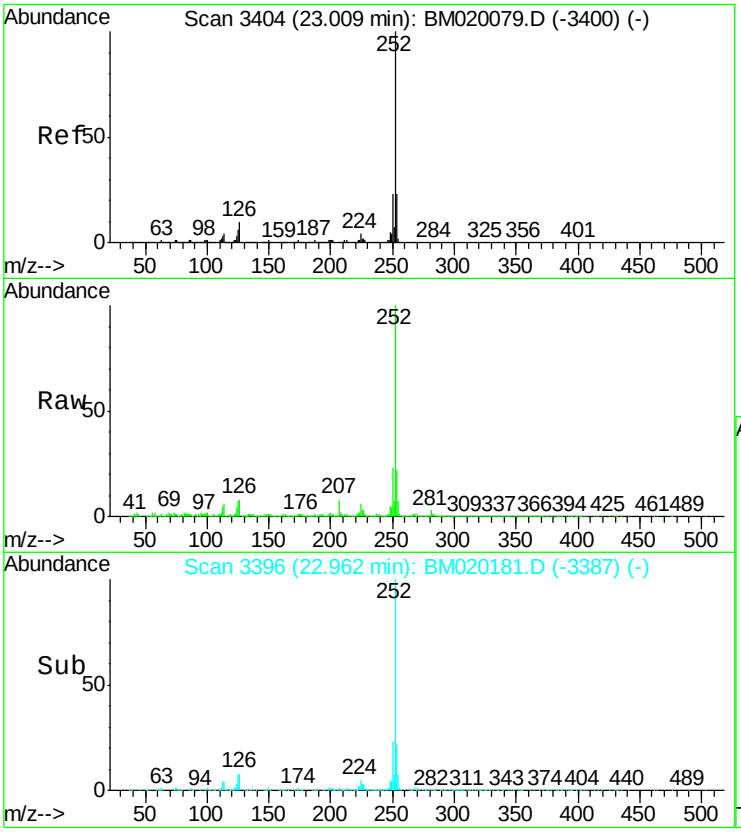




#88
Benzo(b)fluoranthene
Concen: 68.408 ng
RT: 22.96 min Scan# 3396
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:252 Resp: 3898314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 7.2 | 5.4 | 8.2 |



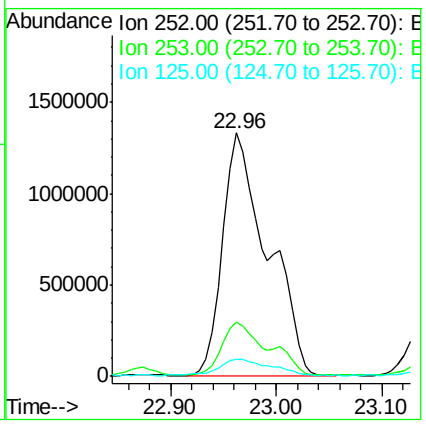


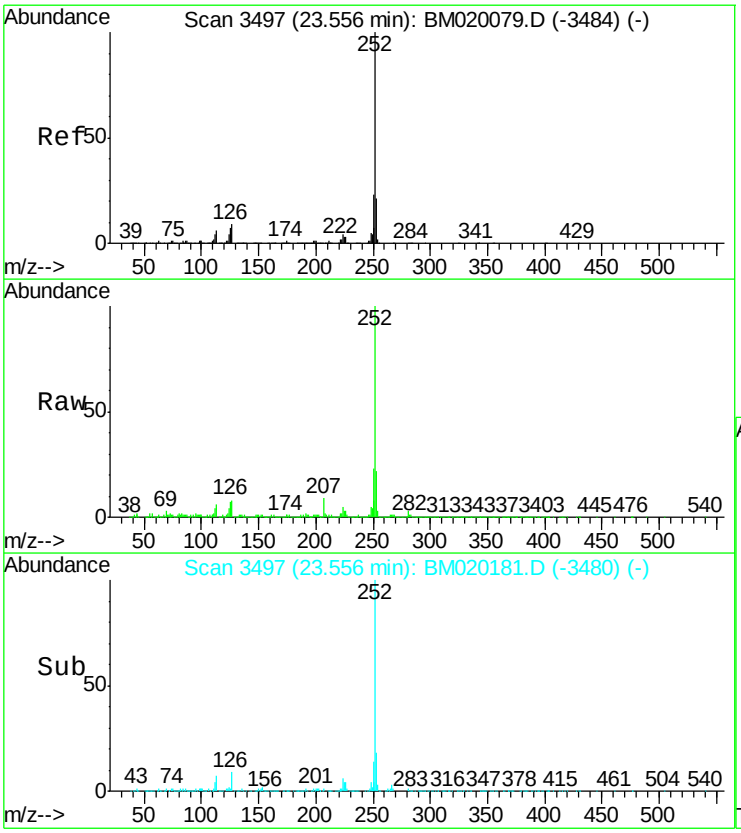

#89
Benzo(k)fluoranthene
Concen: 74.986 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.05 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:252 Resp: 3897924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.8 |
| 125 | 7.2 | 5.4 | 8.0 |

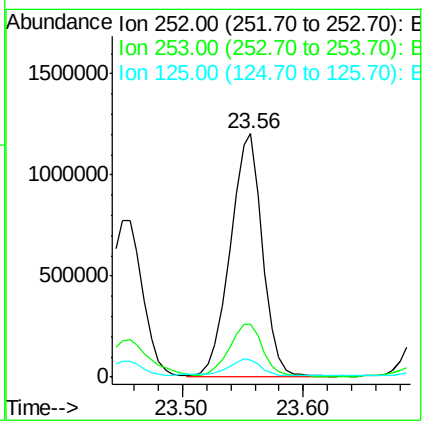


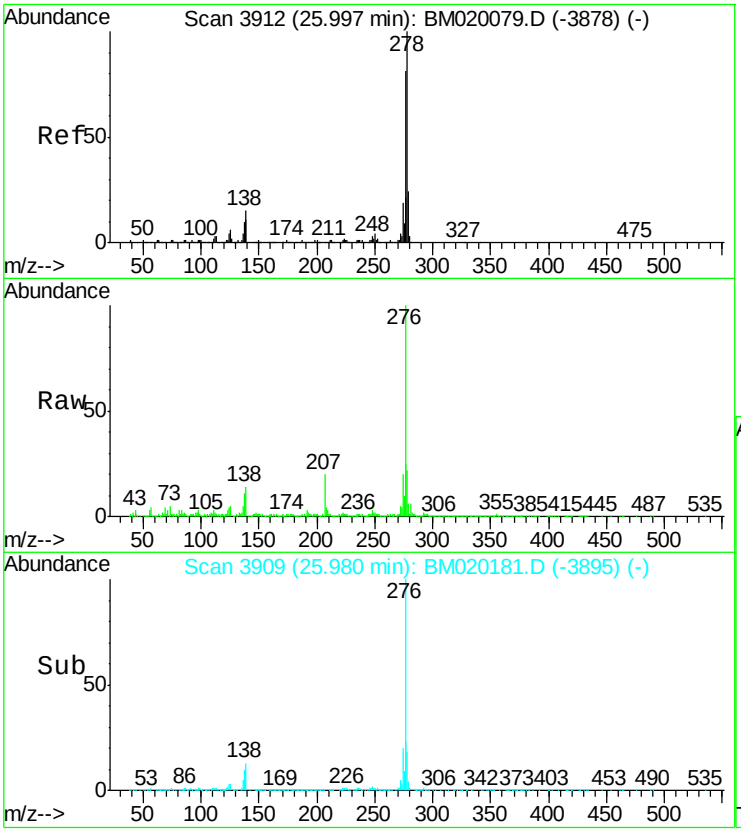




#90
Benzo(a)pyrene
Concen: 42.541 ng
RT: 23.56 min Scan# 3497
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:252 Resp: 2202016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.0 | 25.6 |
| 125 | 7.0 | 5.5 | 8.3 |



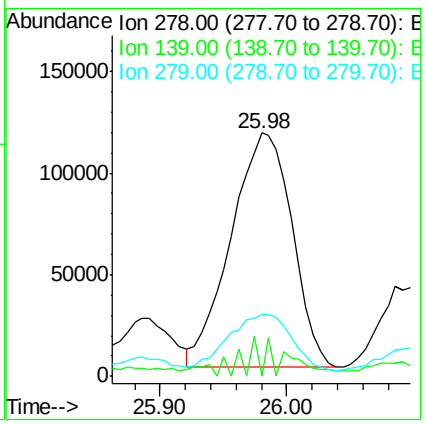


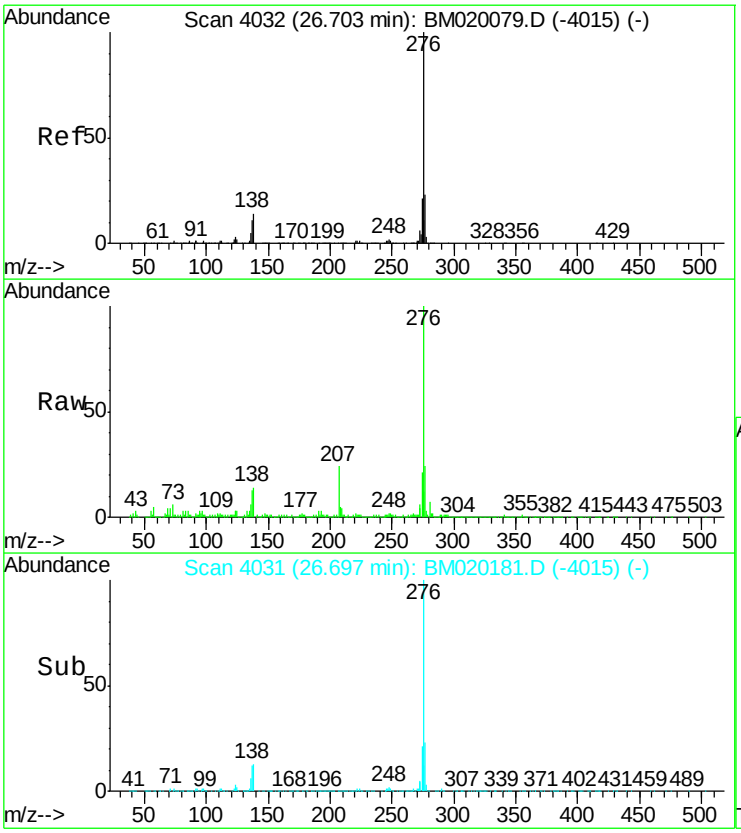

#91
Dibenzo(a,h)anthracene
Concen: 7.170 ng
RT: 25.98 min Scan# 3909
Delta R.T. -0.02 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

**Instrument :**
BNA_M
**ClientSampleId :**
P-3-OW(0-10)

Tgt Ion:278 Resp: 385942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 8.6 | 13.0# |
| 279 | 25.6 | 18.8 | 28.2 |




#92
Benzo(g,h,i)perylene
Concen: 29.559 ng
RT: 26.70 min Scan# 4031
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion:276 Resp: 1510655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.4 | 27.6 |
| 138 | 13.7 | 11.1 | 16.7 |