Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022777.D
Acq On : 25 Sep 2019 18:30
Operator : JU
Sample : K4997-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Sep 26 06:01:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:34:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 215207 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.61 | 136 | 772771 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.45 | 164 | 424439 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.19 | 188 | 829552 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.37 | 240 | 891662 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 23.64 | 264 | 1068765 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 1717596 | 126.58 | ng | | 0.00 |
| 7) Phenol-d6 | 6.99 | 99 | 2283150 | 131.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.97 | 82 | 1300411 | 93.41 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.94 | 330 | 815309 | 153.88 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.08 | 172 | 3088408 | 100.20 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.82 | 244 | 4402423 | 95.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 32) Benzoic acid | 9.83 | 122 | 621 | 4.007 | ng | # | 79 |
| 49) Acenaphthylene | 14.17 | 152 | 253909 | 6.549 | ng | | 100 |
| 50) Dimethylphthalate | 13.91 | 163 | 206697 | 6.739 | ng | | 100 |
| 71) Phenanthrene | 17.23 | 178 | 649133 | 13.868 | ng | | 100 |
| 72) Anthracene | 17.32 | 178 | 217646 | 4.798 | ng | | 100 |
| 75) Fluoranthene | 19.25 | 202 | 1148506 | 21.744 | ng | | 98 |
| 78) Pyrene | 19.61 | 202 | 1351615 | 23.130 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.40 | 228 | 696254 | 12.048 | ng | | 93 |
| 83) Chrysene | 21.40 | 228 | 752262 | 13.427 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 25.94 | 276 | 436461 | 6.527 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.96 | 252 | 1089905 | 16.843 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 22.96 | 252 | 1086111 | 16.916 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.54 | 252 | 647056 | 10.852 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.66 | 276 | 465140 | 7.852 | ng | | 98 |

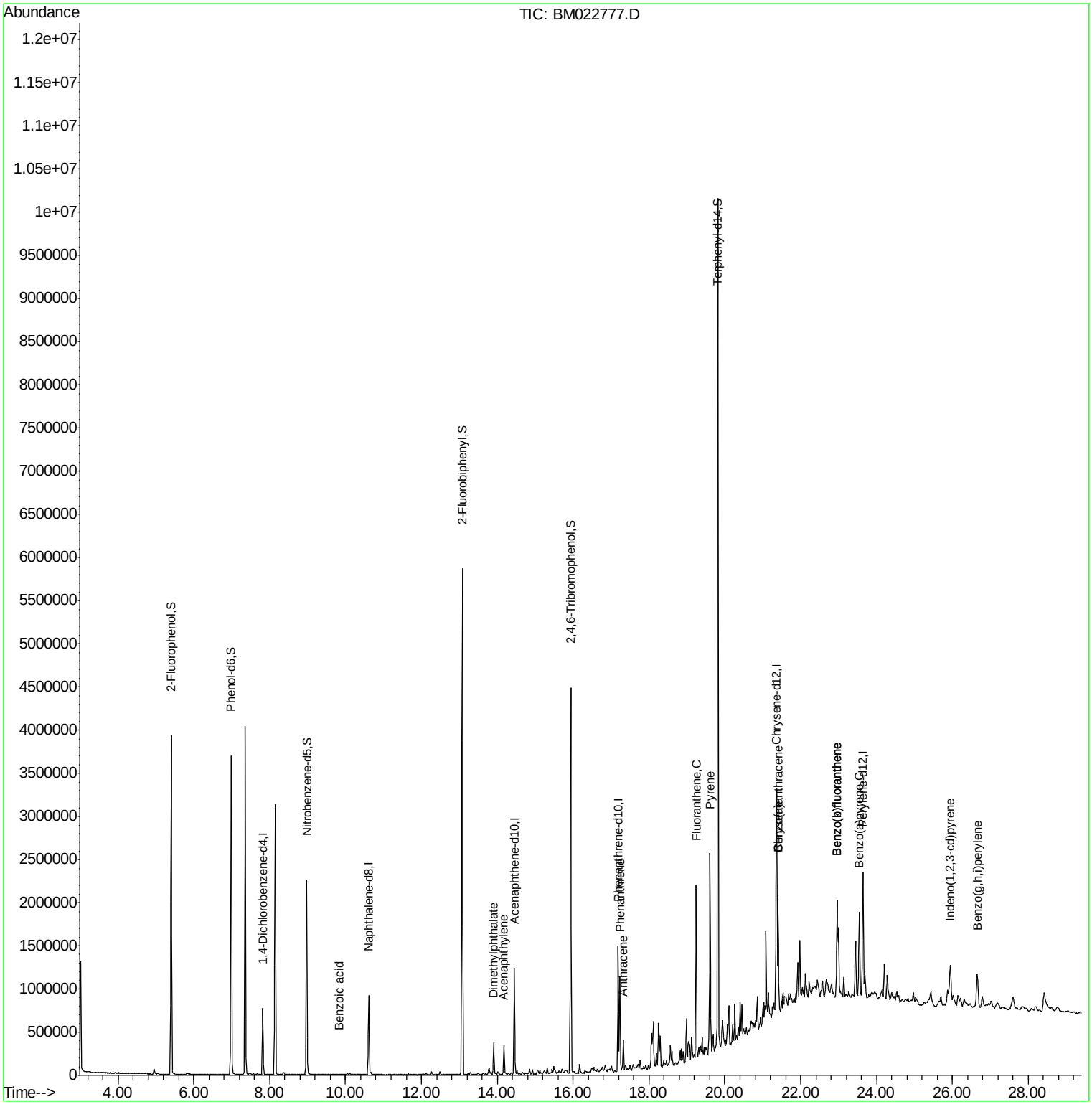
(#) = qualifier out of range (m) = manual integration (+) = signals summed

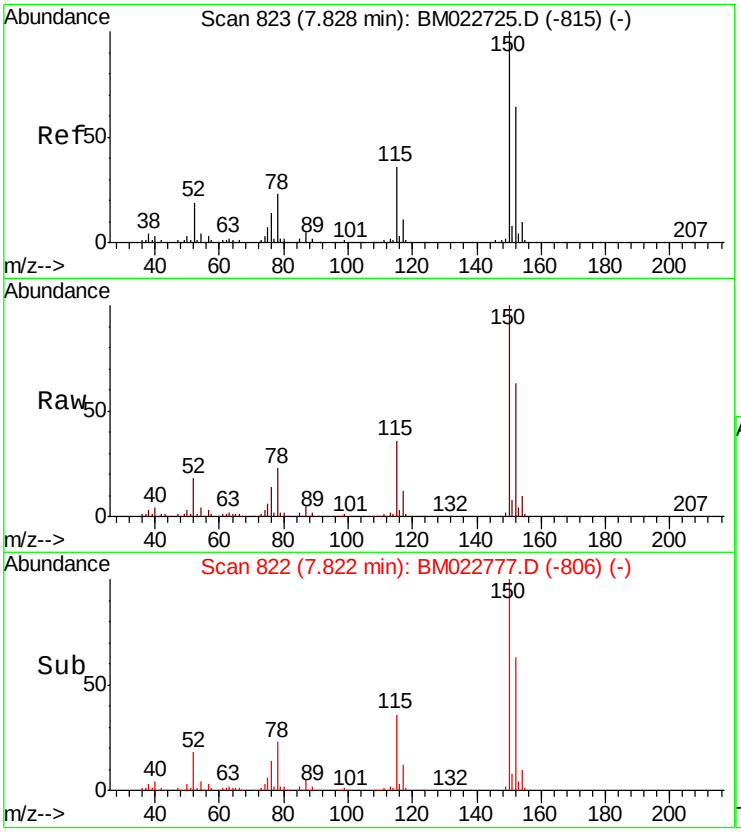
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022777.D
Acq On : 25 Sep 2019 18:30
Operator : JU
Sample : K4997-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**

Quant Time: Sep 26 06:01:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:34:01 2019
Response via : Initial Calibration



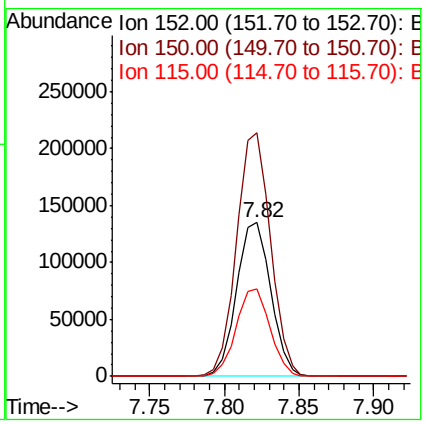


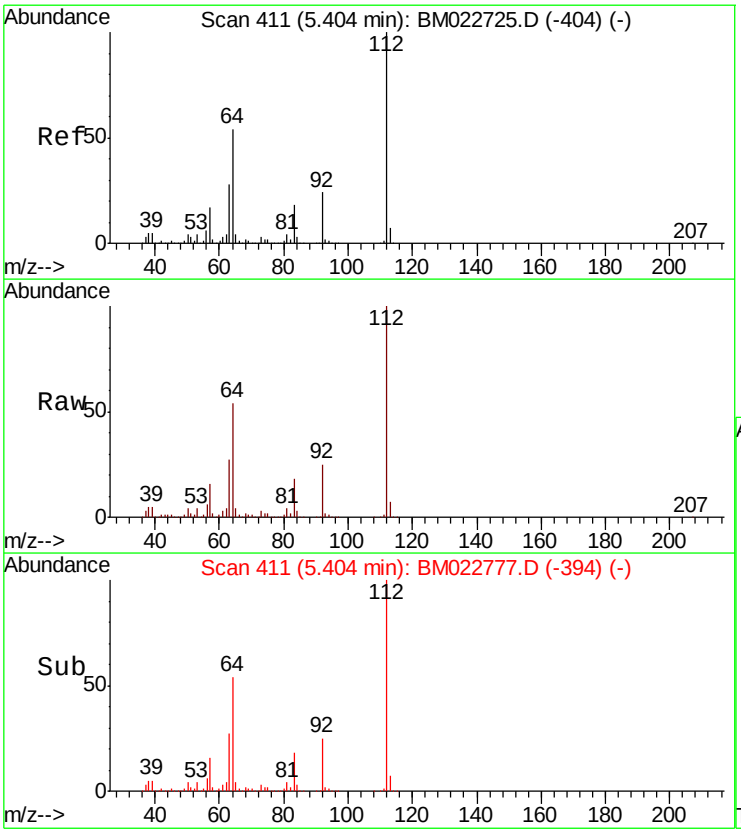

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:152 Resp: 215207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.2 | 124.5 | 186.7 |
| 115 | 56.7 | 45.0 | 67.4 |

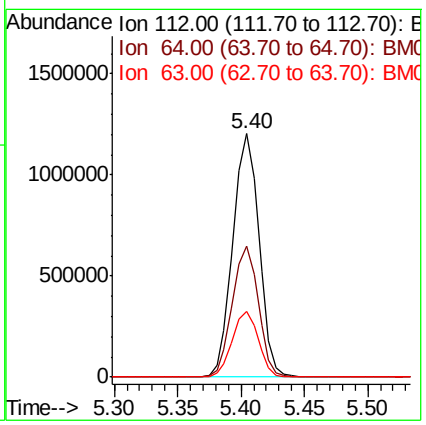


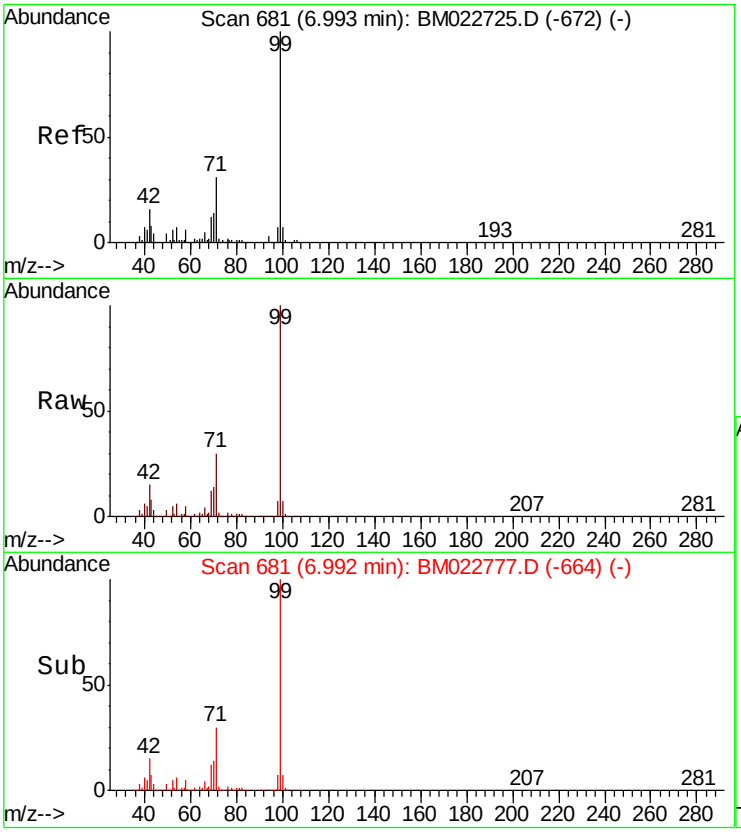




#5
2-Fluorophenol
Concen: 126.578 ng
RT: 5.40 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:112 Resp: 1717596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.5 | 43.4 | 65.2 |
| 63 | 27.2 | 22.1 | 33.1 |



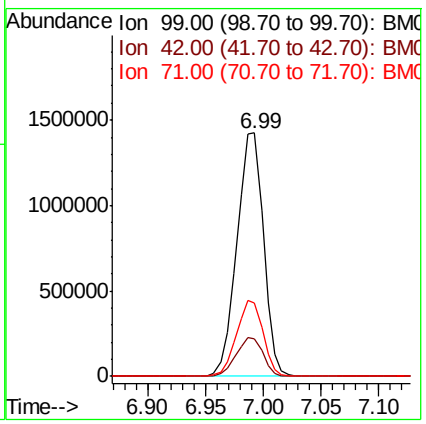


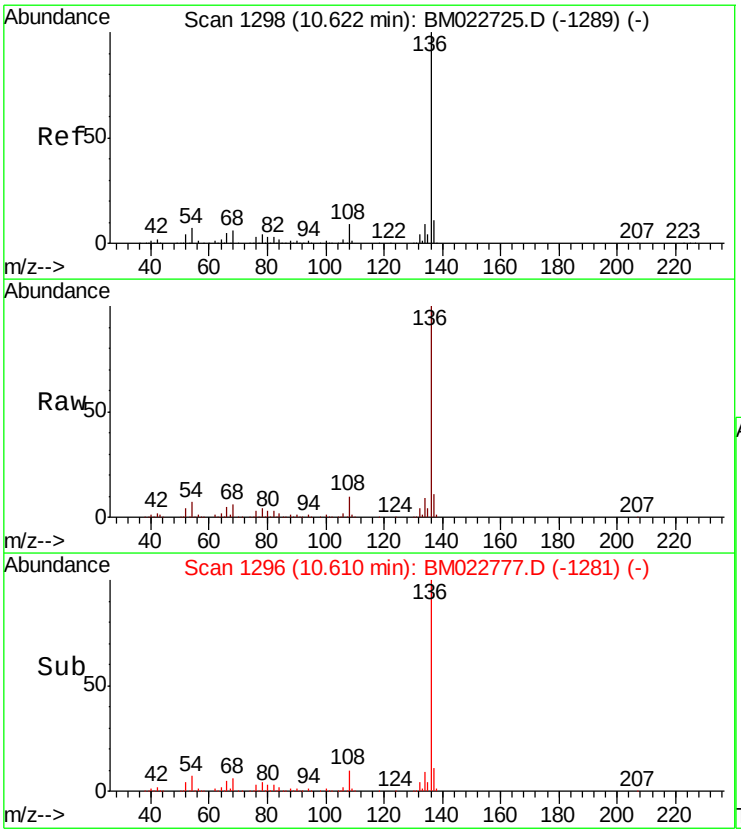

#7
Phenol-d6
Concen: 131.001 ng
RT: 6.99 min Scan# 681
Delta R.T. -0.00 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 99 Resp: 2283150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.3 | 13.0 | 19.4 |
| 71 | 30.4 | 24.7 | 37.1 |

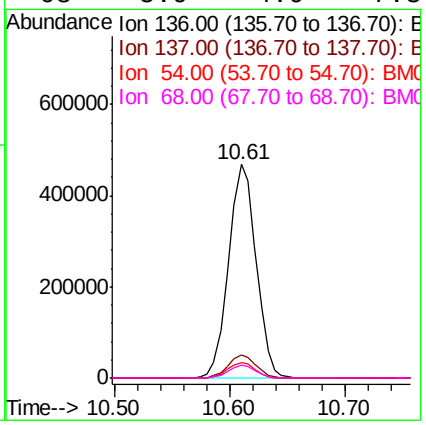


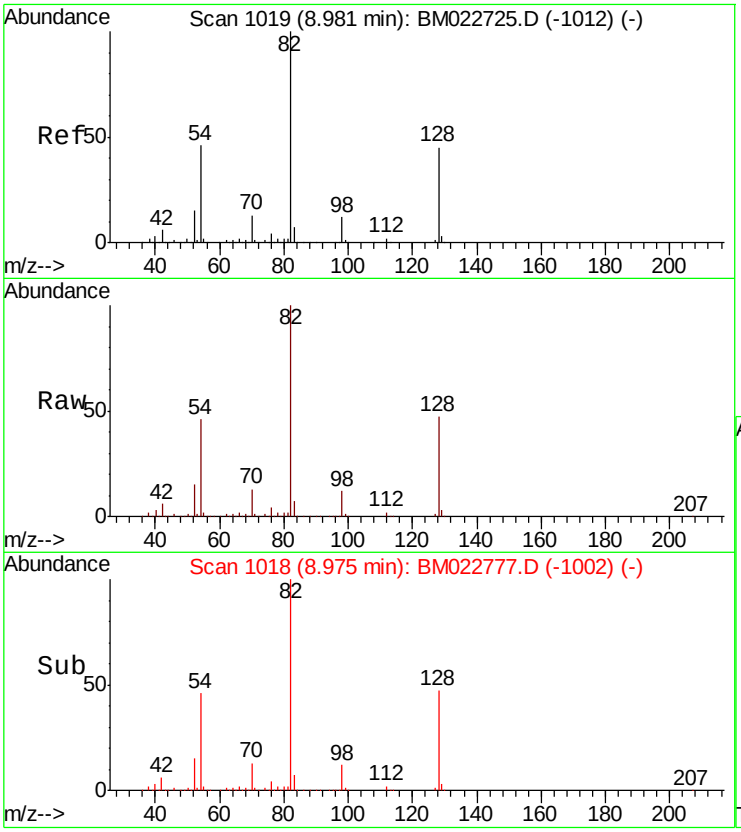




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:136 Resp: 772771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 7.2 | 6.0 | 9.0 |
| 68 | 5.9 | 4.9 | 7.3 |



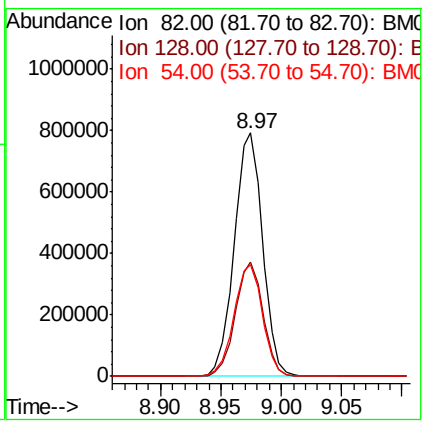


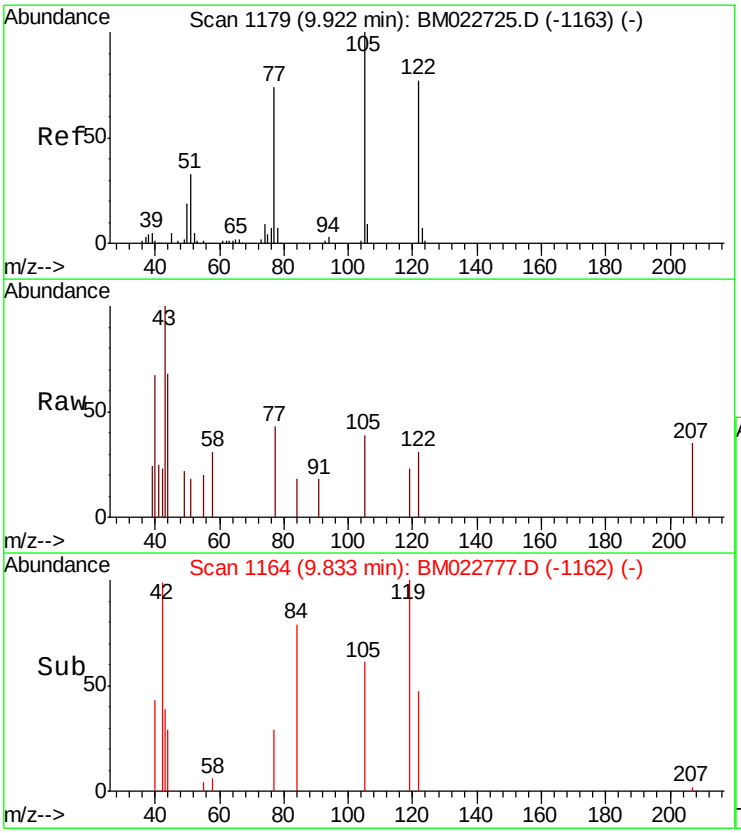

#23
Nitrobenzene-d5
Concen: 93.412 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 82 Resp: 1300411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.0 | 36.0 | 54.0 |
| 54 | 46.0 | 37.1 | 55.7 |

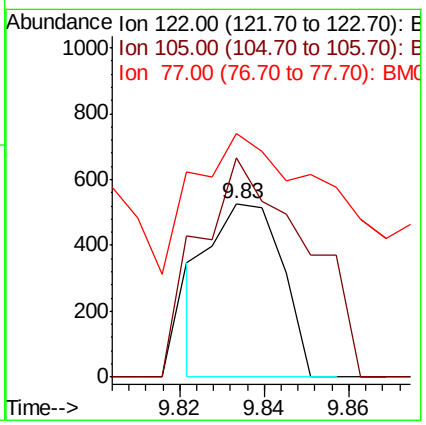


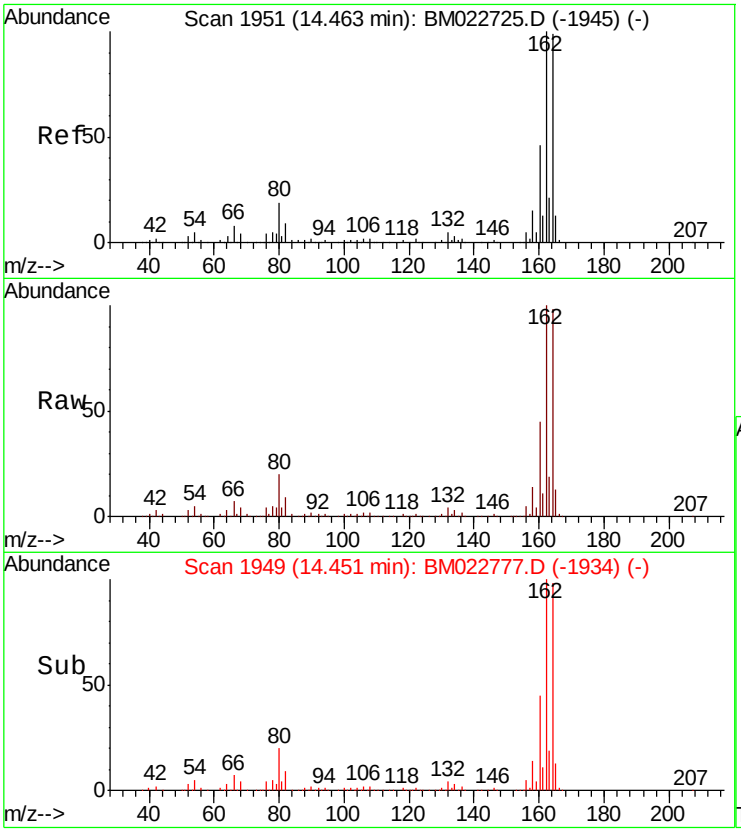




#32
Benzoic acid
Concen: 4.007 ng
RT: 9.83 min Scan# 1164
Delta R.T. -0.09 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:122 Resp: 621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.2 | 105.3 | 145.3 |
| 77 | 140.2 | 74.7 | 114.7# |



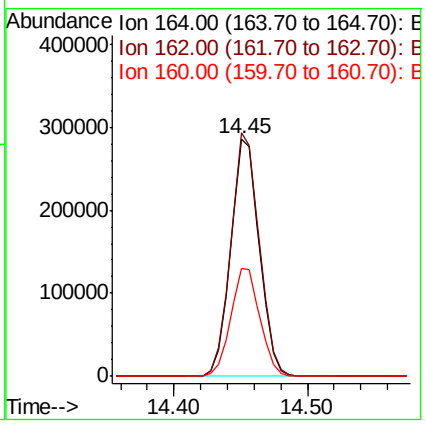


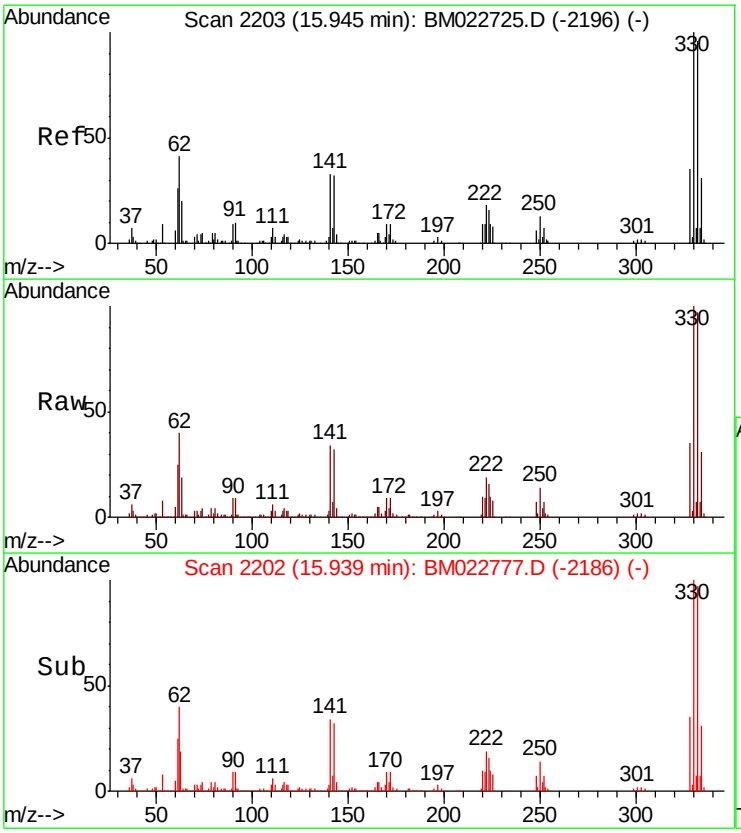

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:164 Resp: 424439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 81.1 | 121.7 |
| 160 | 45.7 | 36.9 | 55.3 |

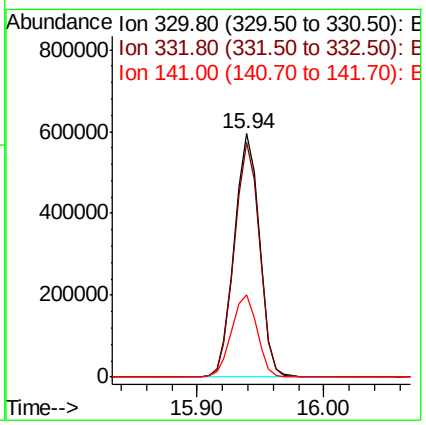


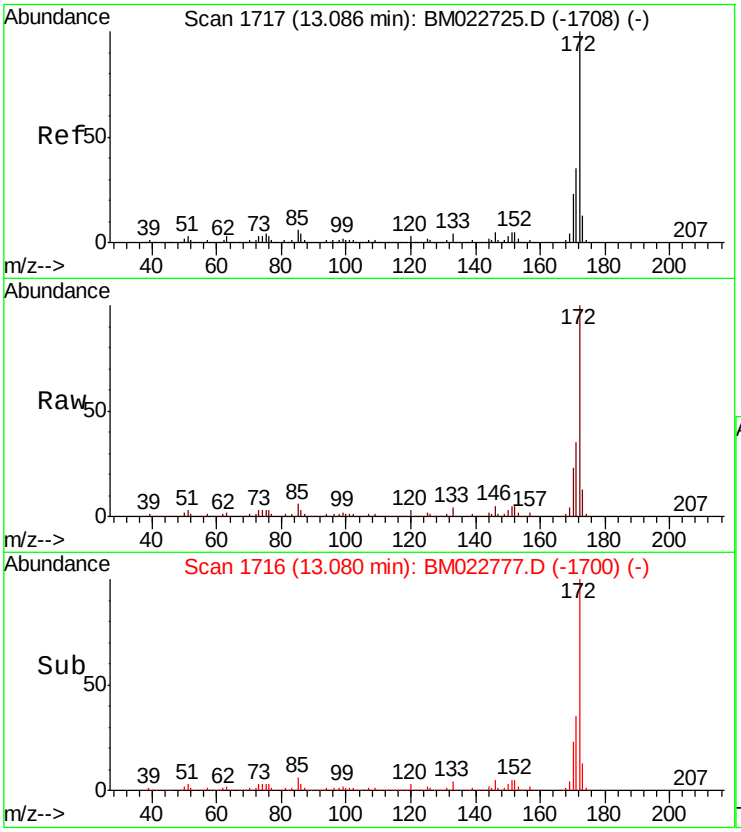




#42
2,4,6-Tribromophenol
Concen: 153.877 ng
RT: 15.94 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:330 Resp: 815309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.9 | 115.3 |
| 141 | 34.0 | 28.6 | 42.8 |



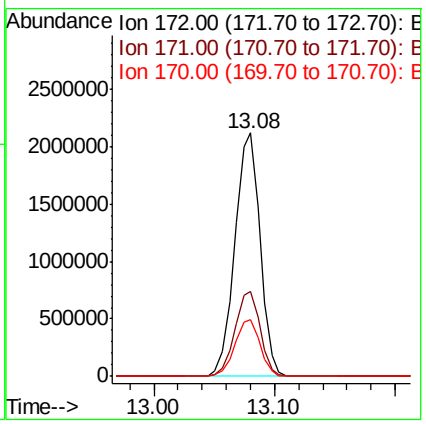


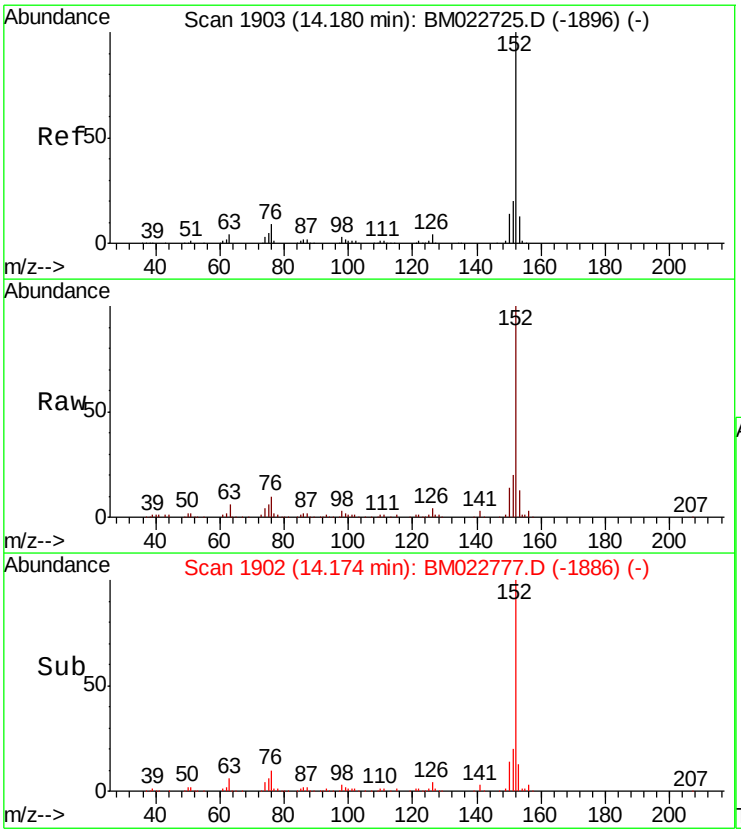

#45
2-Fluorobiphenyl
Concen: 100.200 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:172 Resp: 3088408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 27.8 | 41.8 |
| 170 | 23.5 | 18.7 | 28.1 |

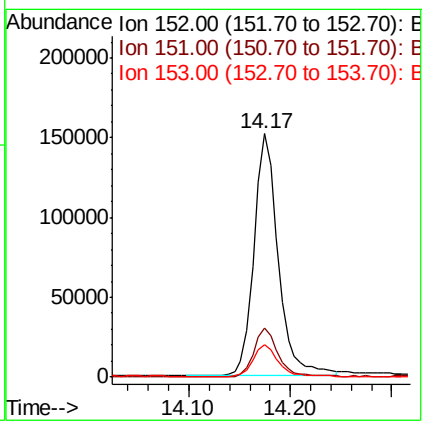


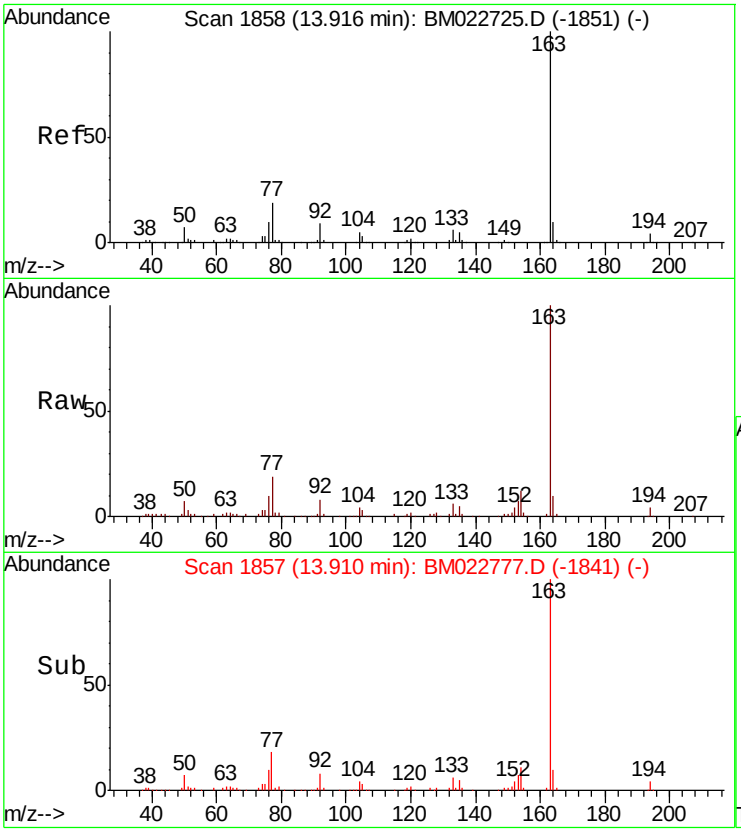




#49
Acenaphthylene
Concen: 6.549 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:152 Resp: 253909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.9 | 23.9 |
| 153 | 13.2 | 10.5 | 15.7 |



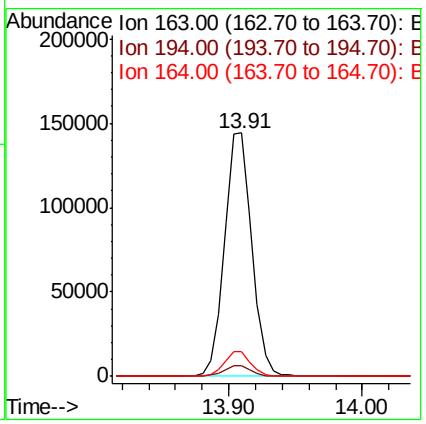


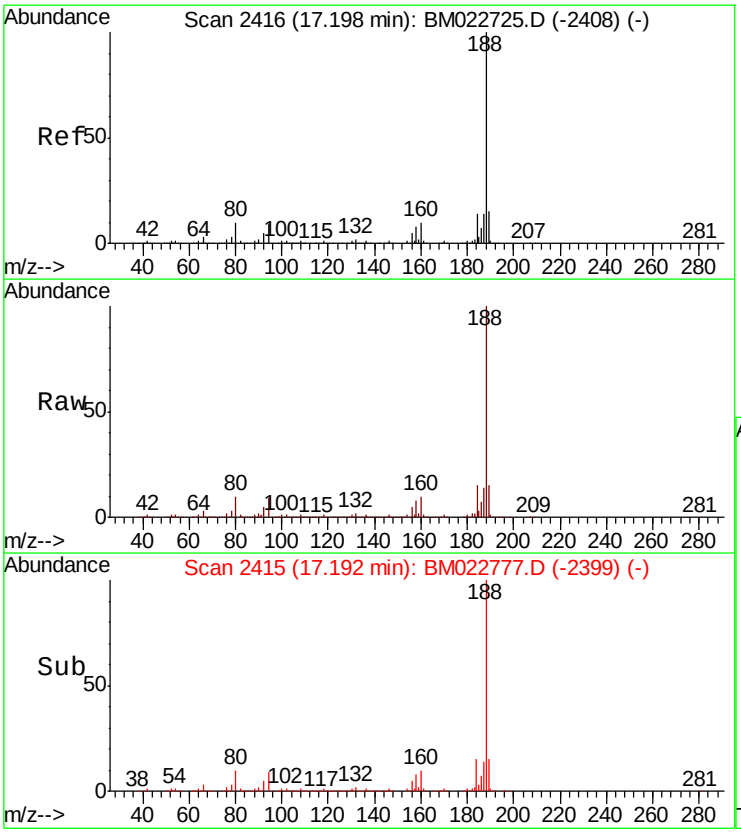

#50
Dimethylphthalate
Concen: 6.739 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:163 Resp: 206697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.3 | 4.9 |
| 164 | 10.0 | 8.2 | 12.2 |

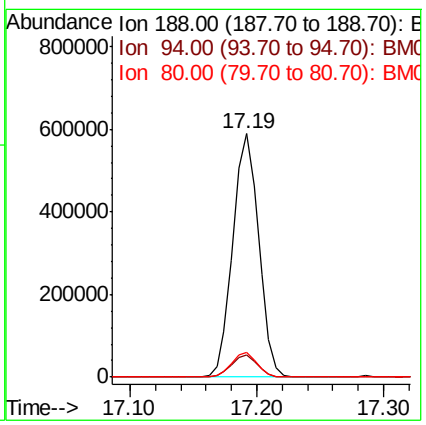


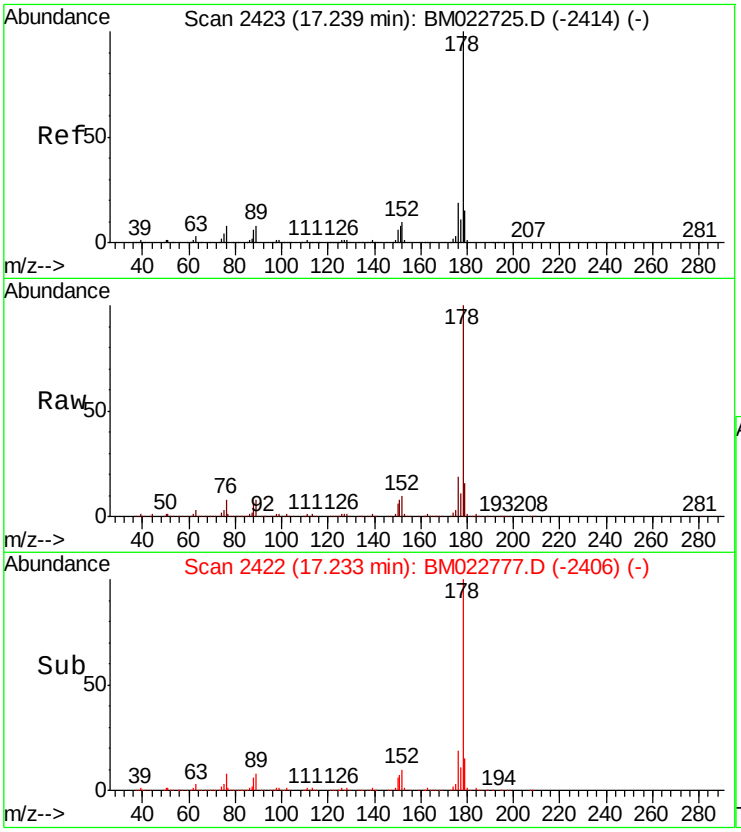




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:188 Resp: 829552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.3 | 10.9 |
| 80 | 9.9 | 7.8 | 11.8 |



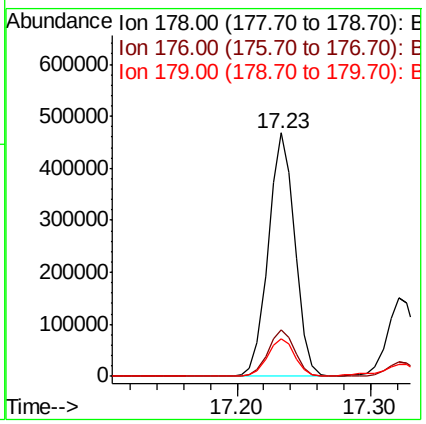


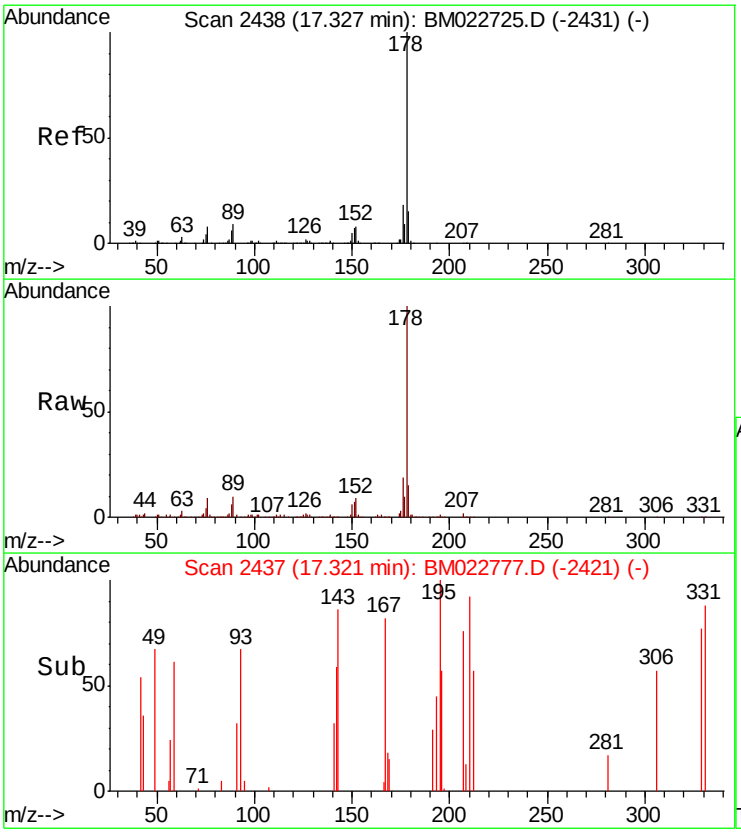

#71
Phenanthrene
Concen: 13.868 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:178 Resp: 649133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.6 | 12.3 | 18.5 |

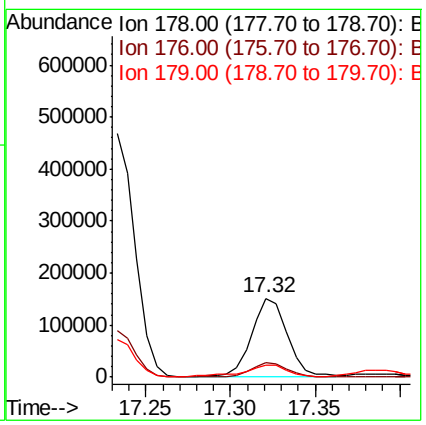


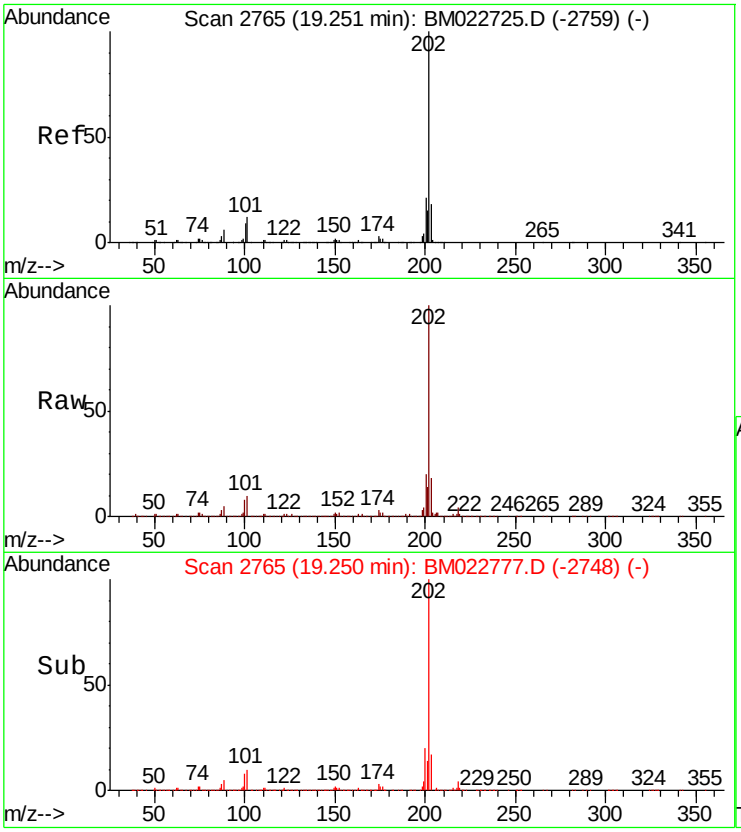




#72
Anthracene
Concen: 4.798 ng
RT: 17.32 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:178 Resp: 217646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.7 | 22.1 |
| 179 | 15.5 | 12.2 | 18.4 |



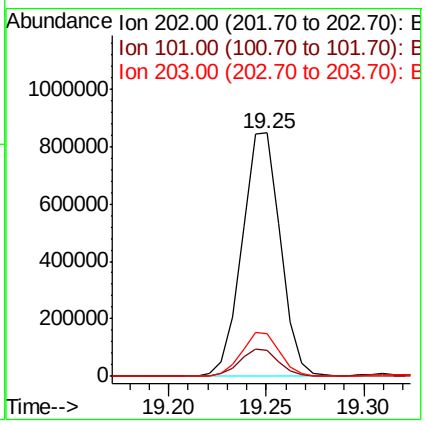


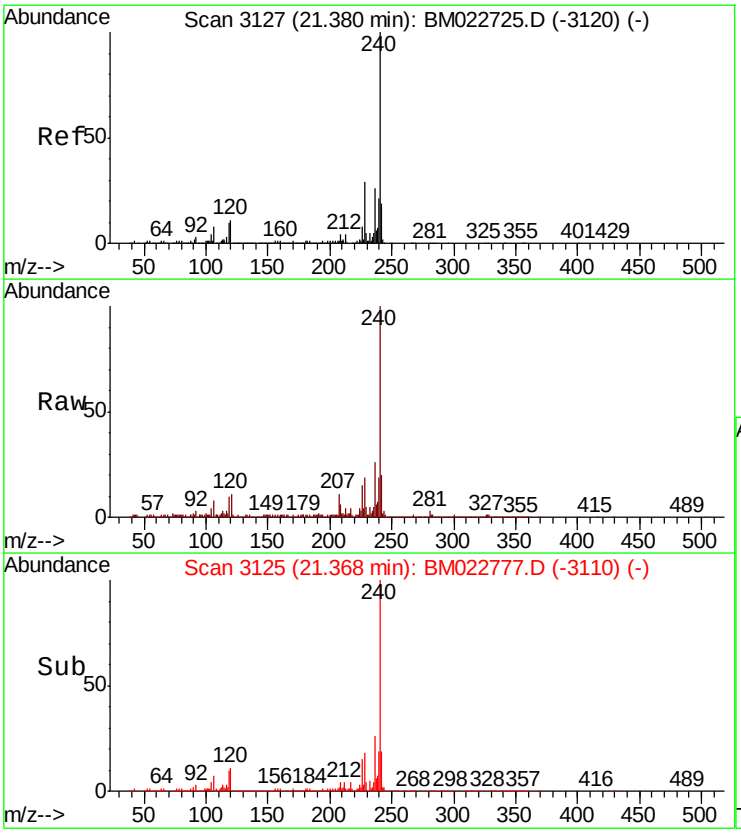

#75
Fluoranthene
Concen: 21.744 ng
RT: 19.25 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:202 Resp: 1148506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 32.1 |
| 203 | 17.7 | 0.0 | 37.7 |

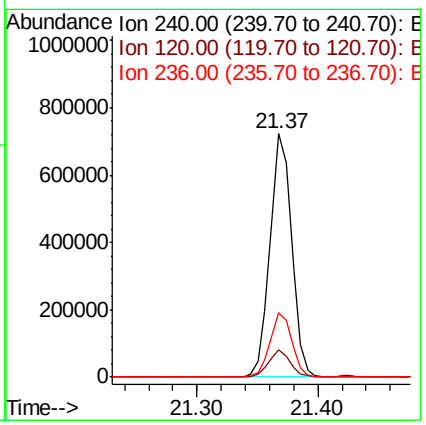


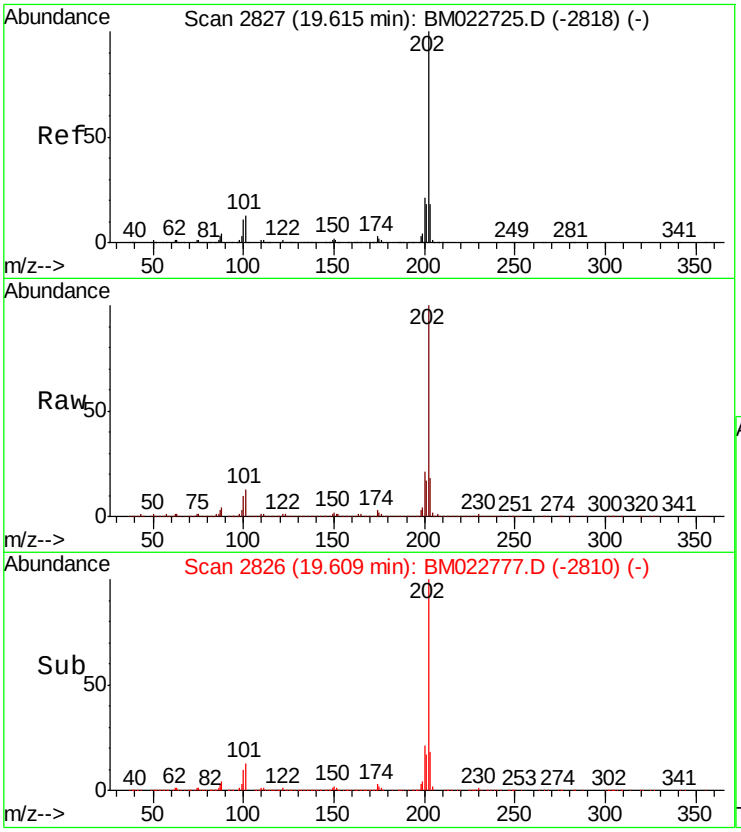




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:240 Resp: 891662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 8.8 | 13.2 |
| 236 | 26.2 | 20.8 | 31.2 |



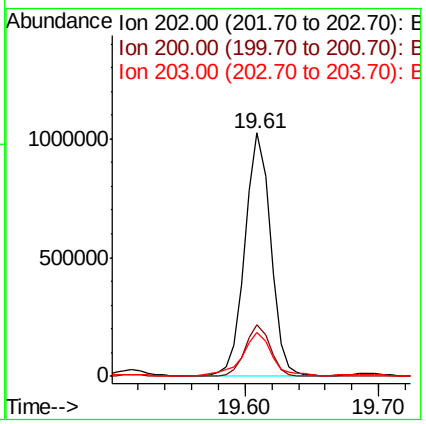


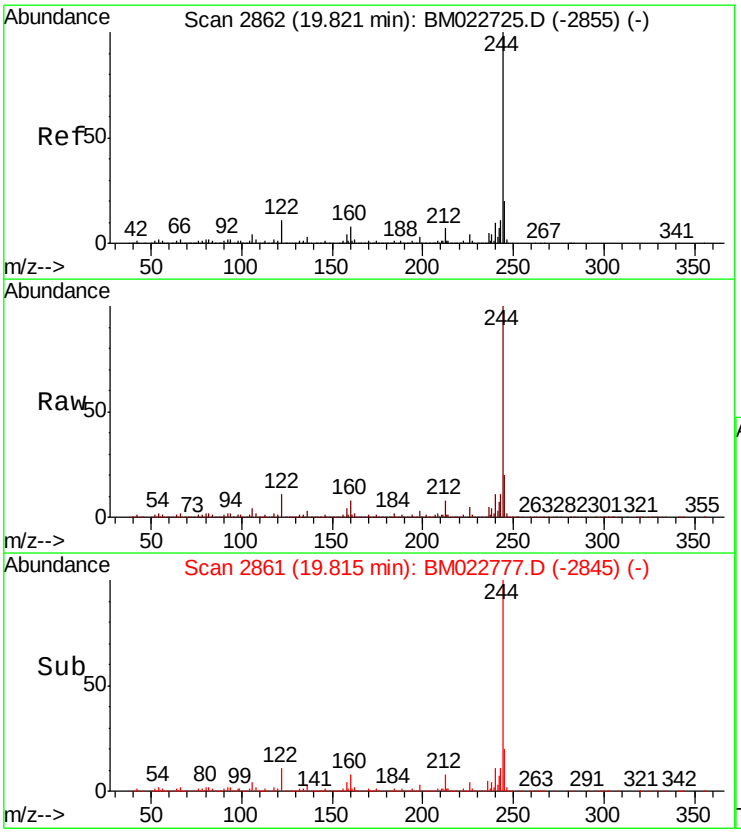

#78
Pyrene
Concen: 23.130 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:202 Resp: 1351615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.7 | 25.1 |
| 203 | 18.0 | 14.1 | 21.1 |

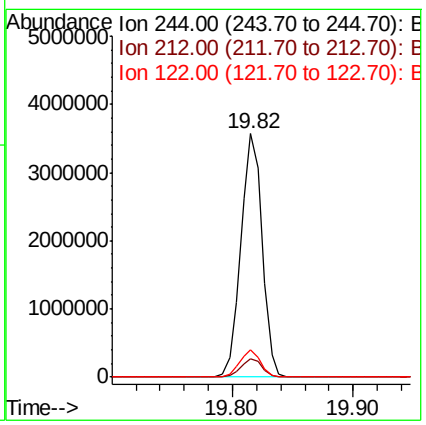


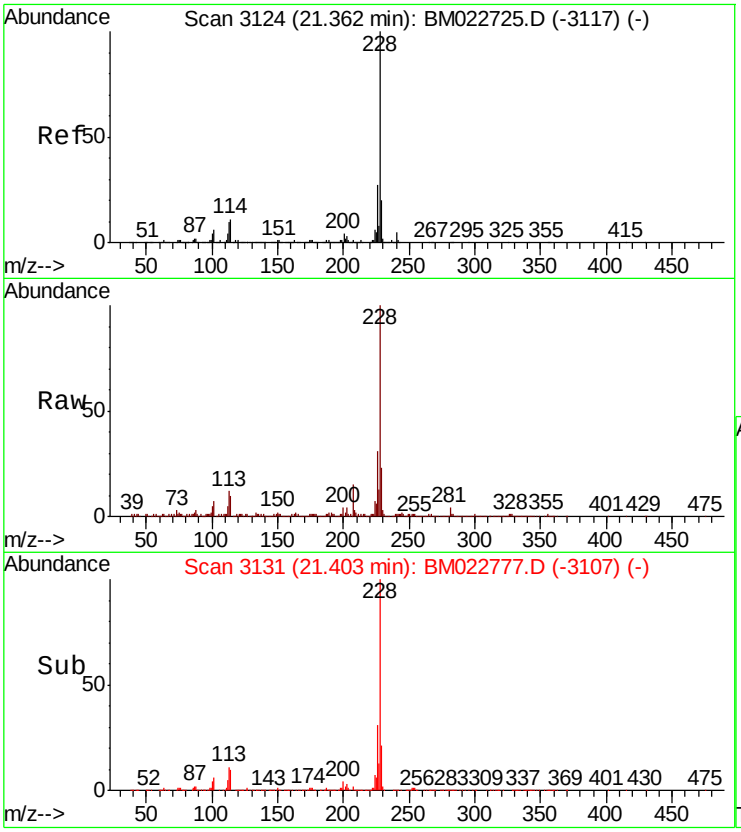




#79
Terphenyl-d14
Concen: 95.605 ng
RT: 19.82 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:244 Resp: 4402423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 5.9 | 8.9 |
| 122 | 11.2 | 9.0 | 13.4 |



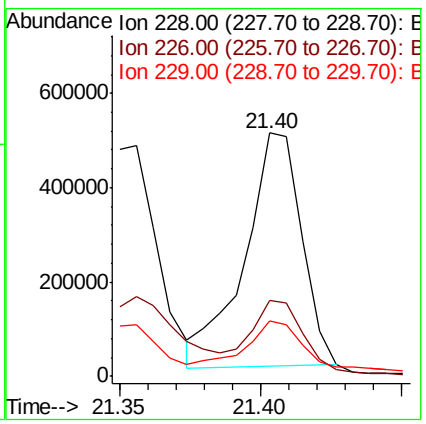


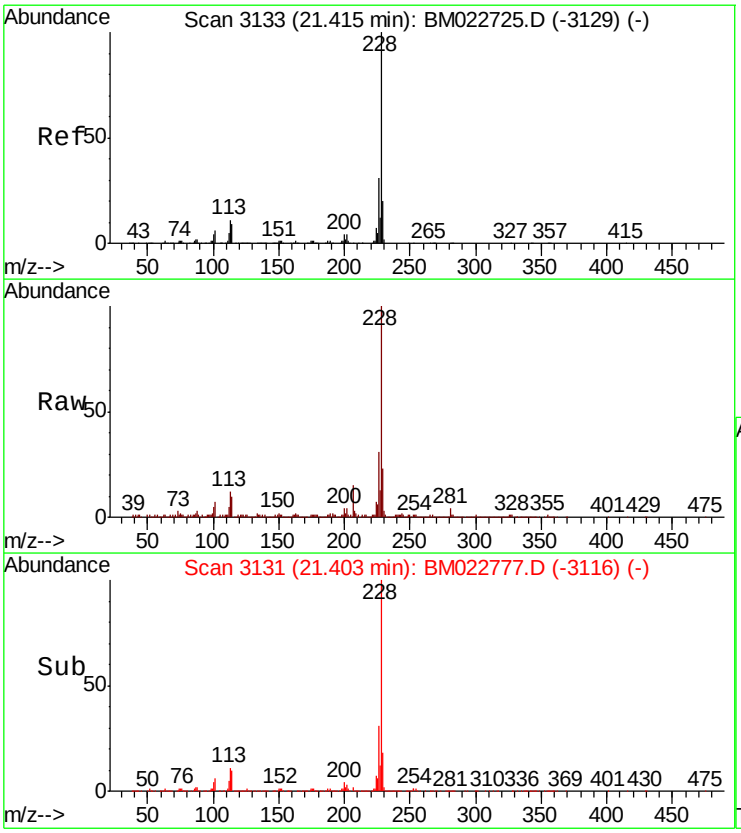

#81
Benzo(a)anthracene
Concen: 12.048 ng
RT: 21.40 min Scan# 3131
Delta R.T. 0.04 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:228 Resp: 696254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 22.0 | 33.0 |
| 229 | 22.6 | 15.9 | 23.9 |

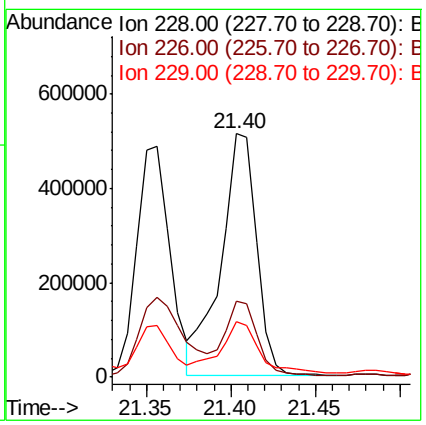


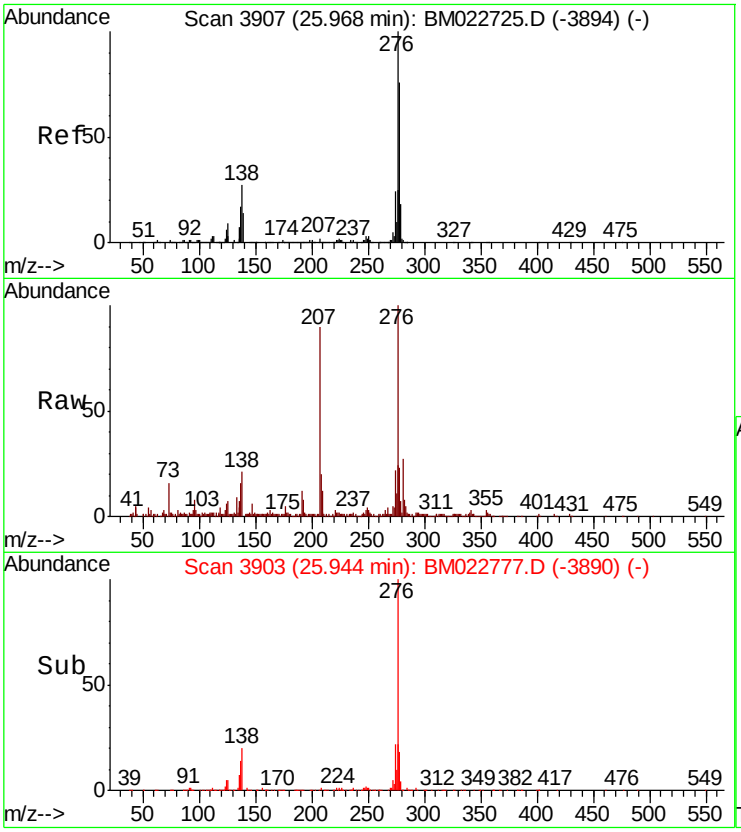




#83
Chrysene
Concen: 13.427 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:228 Resp: 752262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.5 | 36.7 |
| 229 | 22.6 | 15.9 | 23.9 |



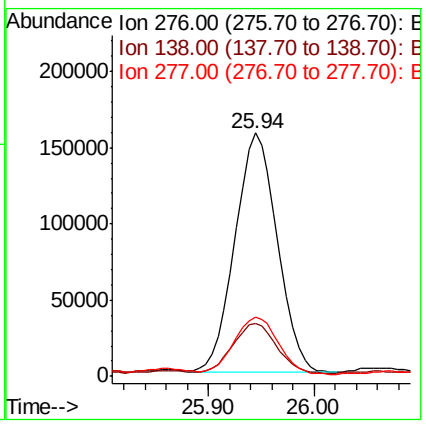


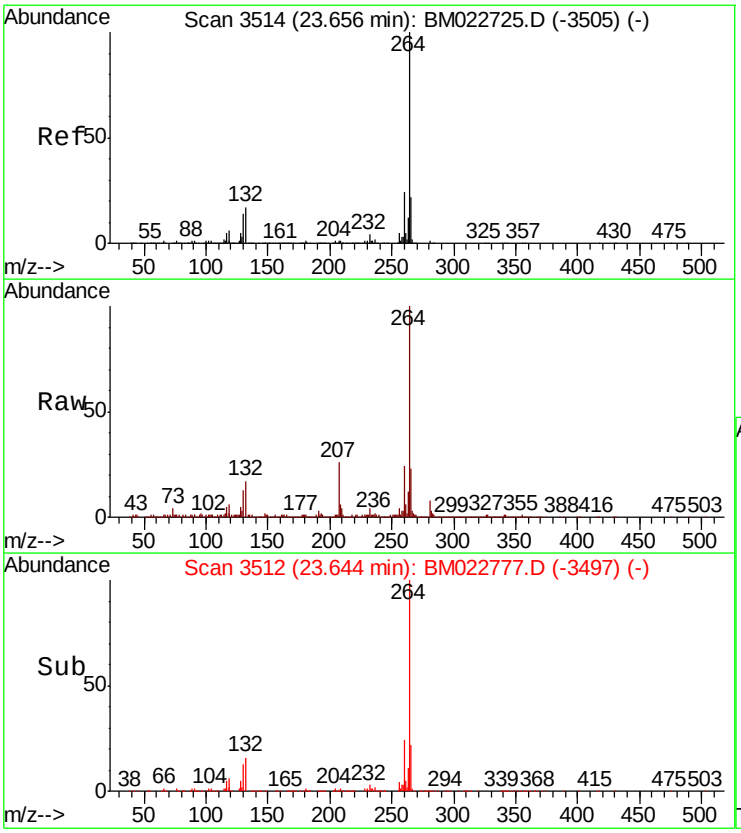

#86
Indeno(1,2,3-cd)pyrene
Concen: 6.527 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:276 Resp: 436461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 0.0 | 0.0# |
| 277 | 24.9 | 0.0 | 0.0# |

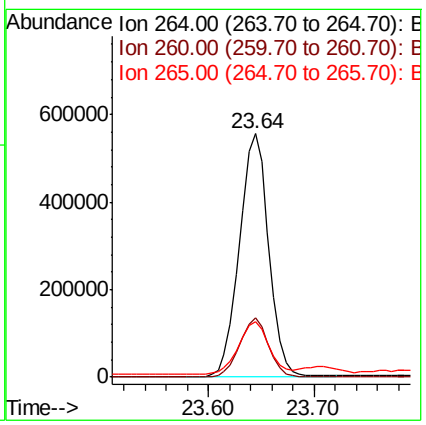


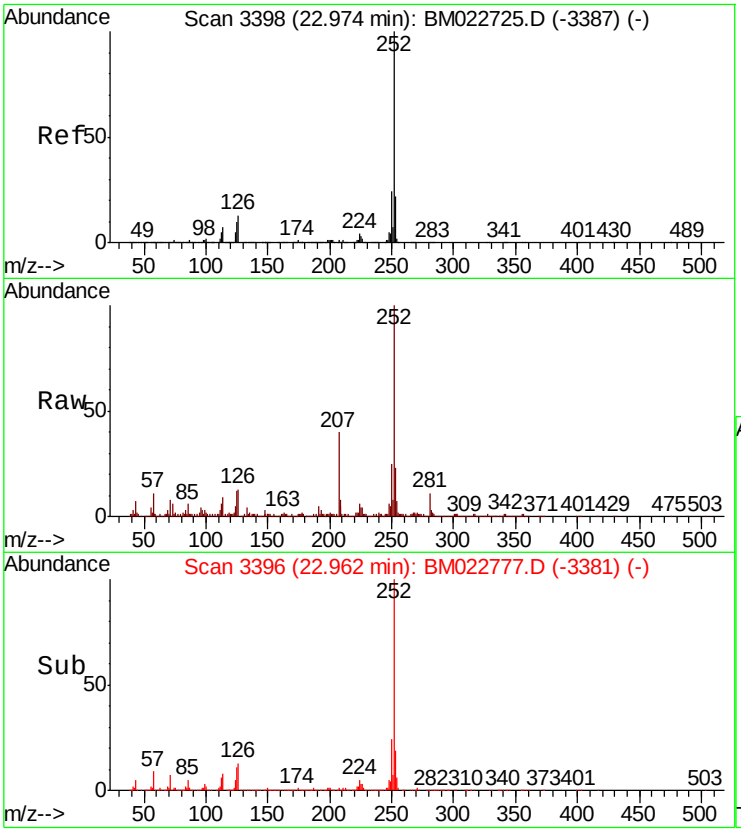




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:264 Resp: 1068765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.1 | 28.7 |
| 265 | 23.0 | 17.9 | 26.9 |



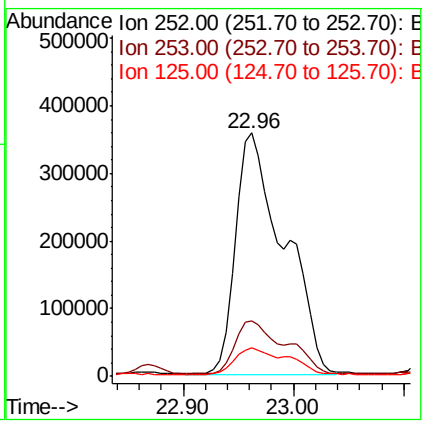


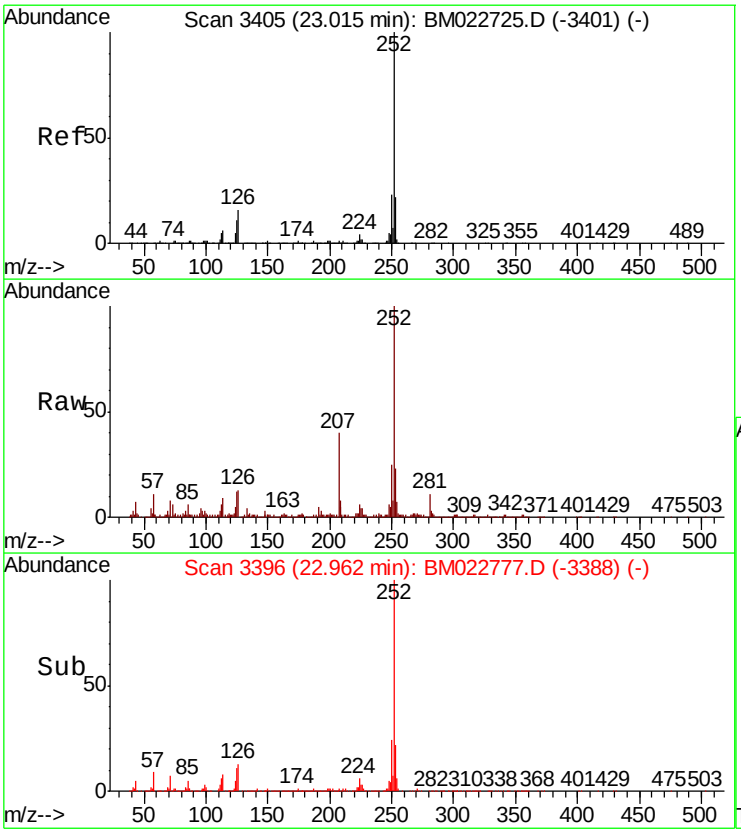

#88
Benzo(b)fluoranthene
Concen: 16.843 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 1089905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.7 | 26.5 |
| 125 | 11.8 | 8.2 | 12.4 |

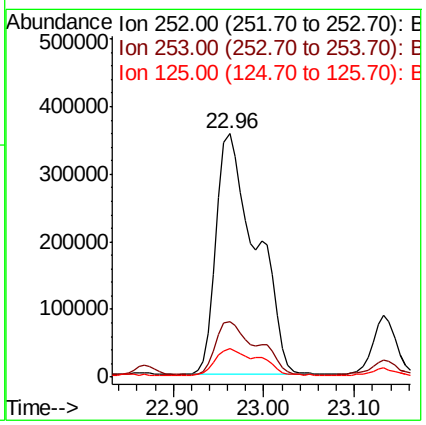


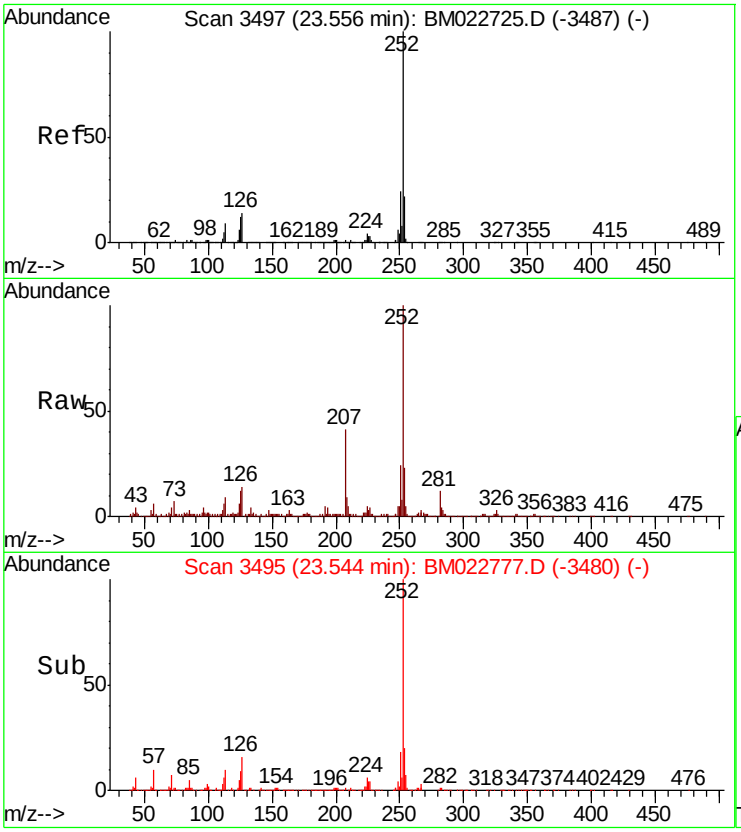




#89
Benzo(k)fluoranthene
Concen: 16.916 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.05 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:252 Resp: 1086111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.7 | 26.5 |
| 125 | 11.8 | 8.5 | 12.7 |



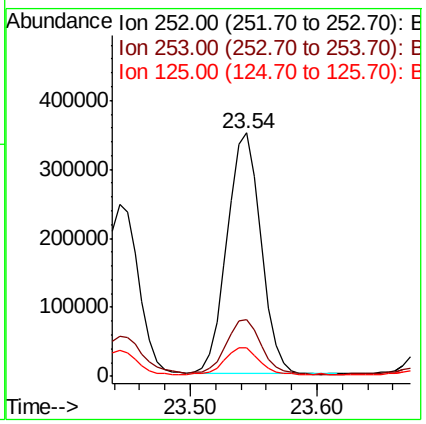


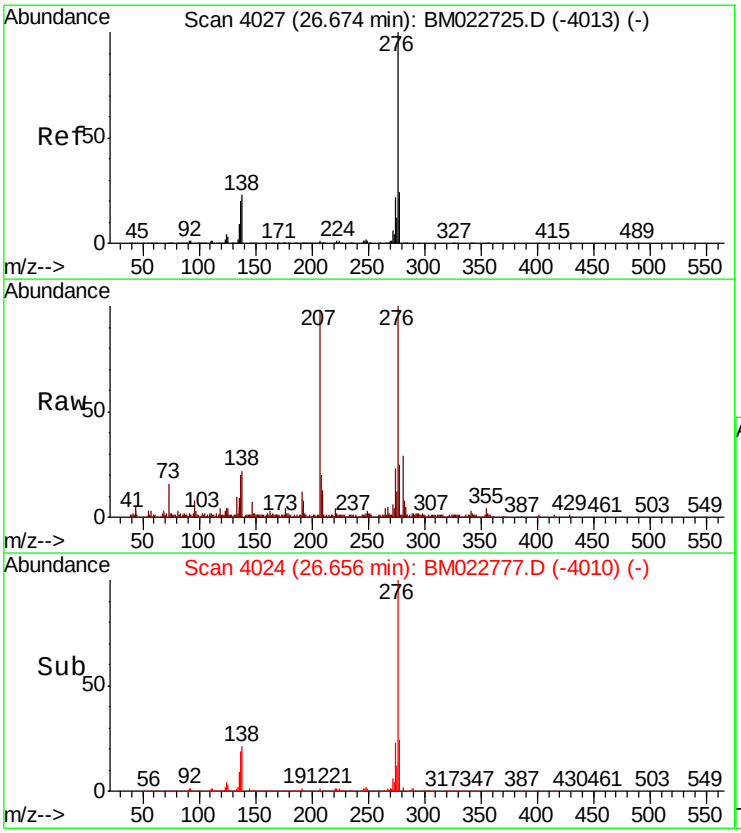

#90
Benzo(a)pyrene
Concen: 10.852 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 647056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.3 | 25.9 |
| 125 | 11.6 | 9.3 | 13.9 |




#92
Benzo(g,h,i)perylene
Concen: 7.852 ng
RT: 26.66 min Scan# 4024
Delta R.T. -0.02 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion:276 Resp: 465140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 19.1 | 28.7 |
| 138 | 22.1 | 18.5 | 27.7 |