Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022457.D
Acq On : 31 Aug 2019 01:00
Operator : HP/JU
Sample : K4439-06RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 31 05:33:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 19867 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.29 | 136 | 68516 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.18 | 164 | 43891 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.95 | 188 | 105615 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.17 | 240 | 159705 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.36 | 264 | 200353 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 54144 | 47.84 | ng | | 0.00 |
| 7) Phenol-d6 | 6.72 | 99 | 74510 | 49.23 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.69 | 82 | 49840 | 31.86 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.70 | 330 | 27530 | 30.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.79 | 172 | 99396 | 25.65 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.59 | 244 | 245985 | 20.33 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 50) Dimethylphthalate | 13.67 | 163 | 12245 | 3.208 | ng | | 98 |
| 71) Phenanthrene | 16.99 | 178 | 20428 | 3.318 | ng | | 96 |
| 75) Fluoranthene | 19.03 | 202 | 56637 | 6.908 | ng | | 98 |
| 78) Pyrene | 19.39 | 202 | 62522 | 5.744 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.15 | 228 | 41500 | 3.620 | ng | | 96 |
| 83) Chrysene | 21.20 | 228 | 37595 | 3.446 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 26280 | 2.395 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 22.71 | 252 | 47853 | 3.438 | ng | # | 92 |
| 89) Benzo(k)fluoranthene | 22.71 | 252 | 47978 | 3.475 | ng | # | 90 |
| 90) Benzo(a)pyrene | 23.26 | 252 | 38009 | 3.077 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 26.21 | 276 | 29851 | 2.780 | ng | | 95 |

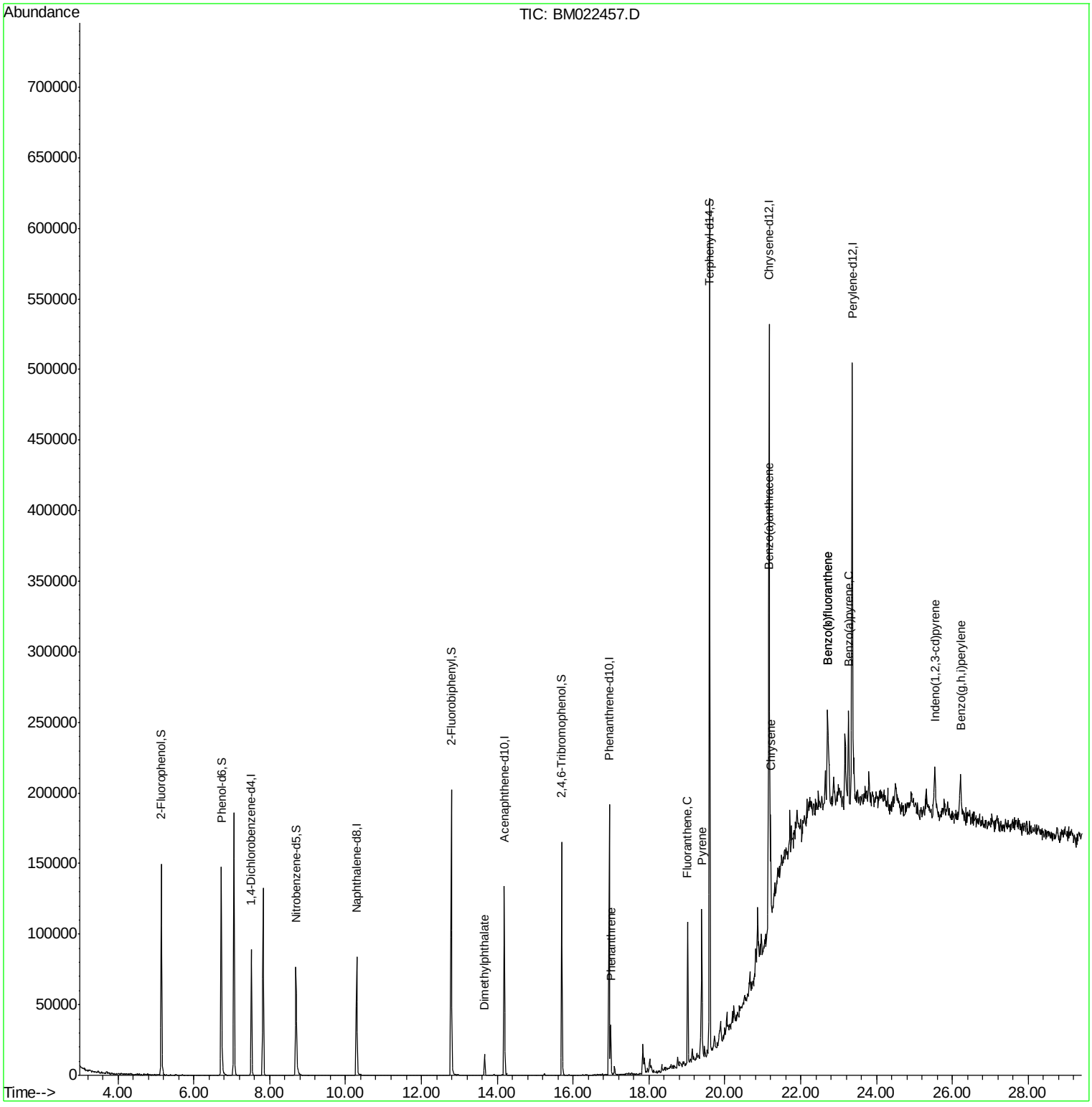
(#) = qualifier out of range (m) = manual integration (+) = signals summed

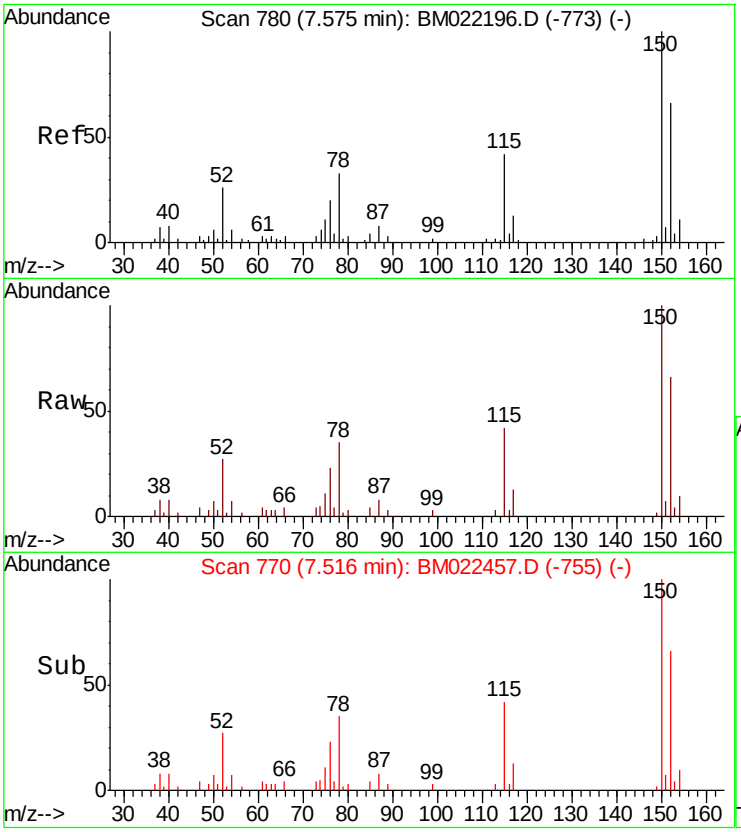
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022457.D
Acq On : 31 Aug 2019 01:00
Operator : HP/JU
Sample : K4439-06RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 31 05:33:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration



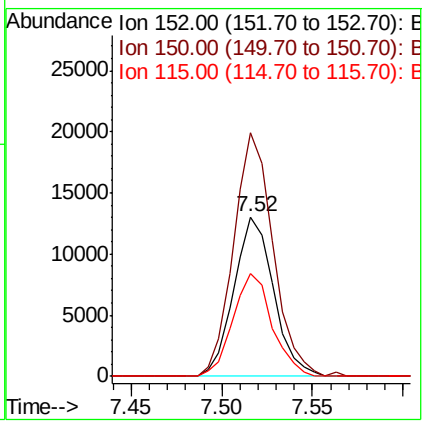


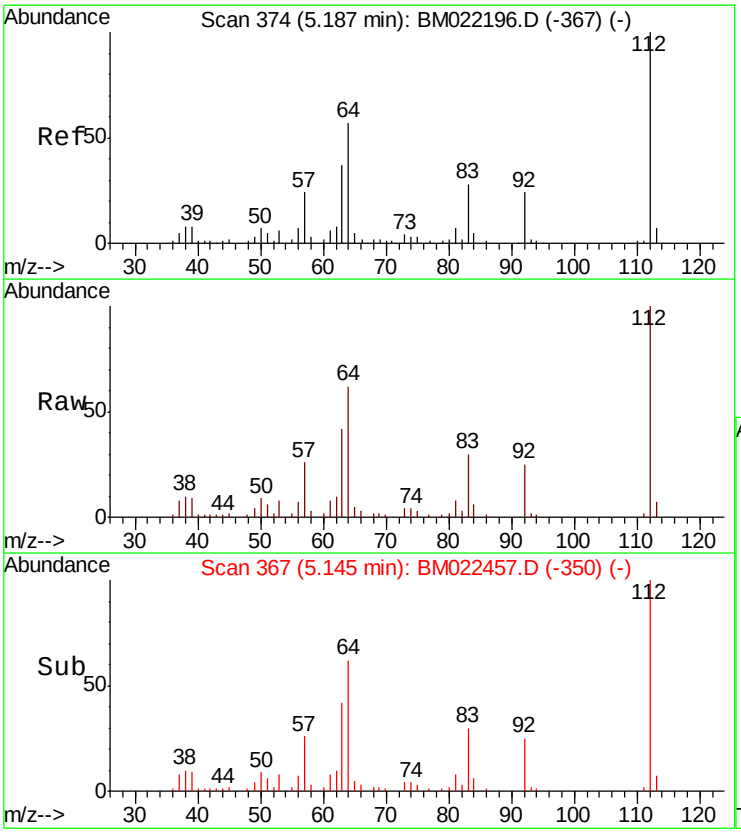

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:152 Resp: 19867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.4 | 125.4 | 188.0 |
| 115 | 64.3 | 50.3 | 75.5 |

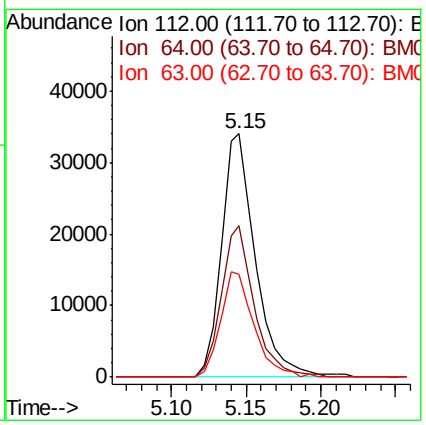


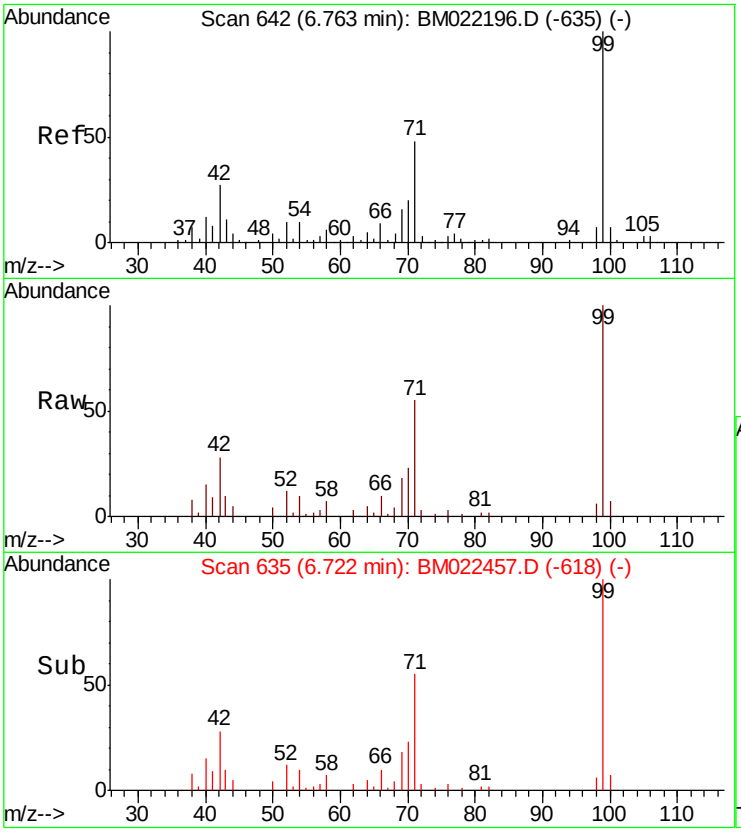




#5
2-Fluorophenol
Concen: 47.838 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:112 Resp: 54144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 45.4 | 68.2 |
| 63 | 42.2 | 34.5 | 51.7 |



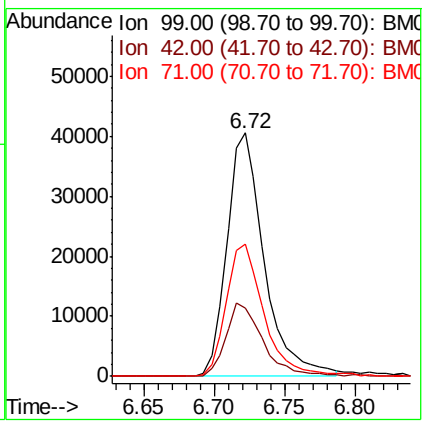


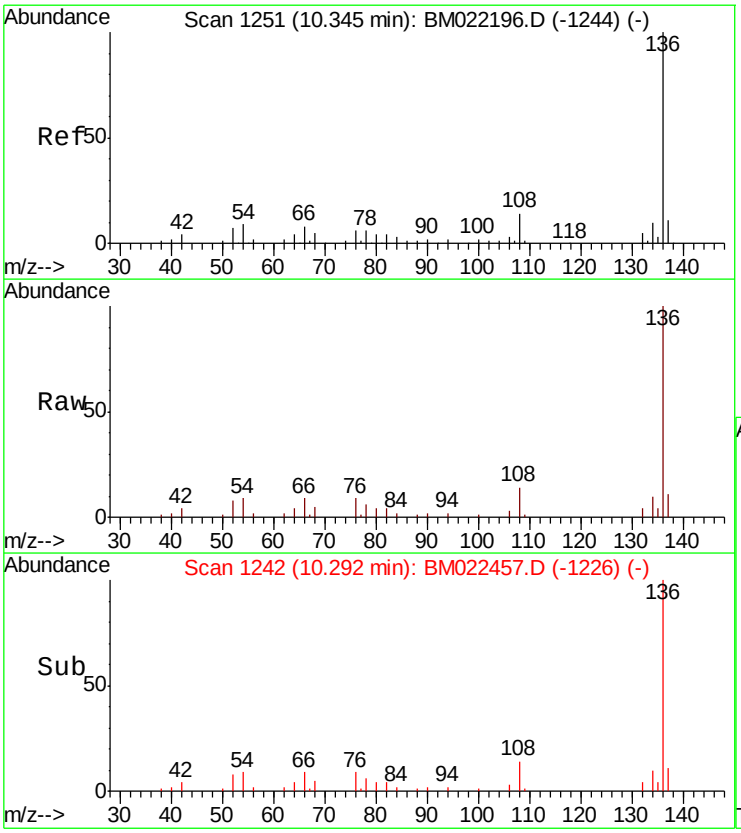

#7
Phenol-d6
Concen: 49.229 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion: 99 Resp: 74510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 28.3 | 26.3 | 39.5 |
| 71 | 54.6 | 46.6 | 69.8 |

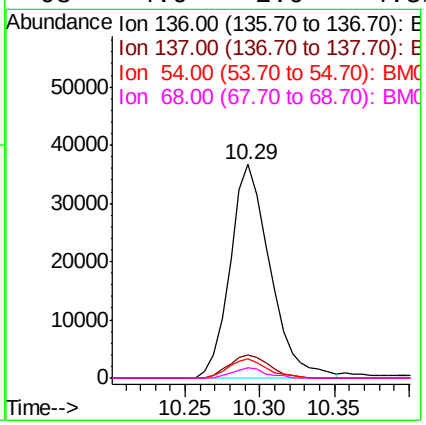


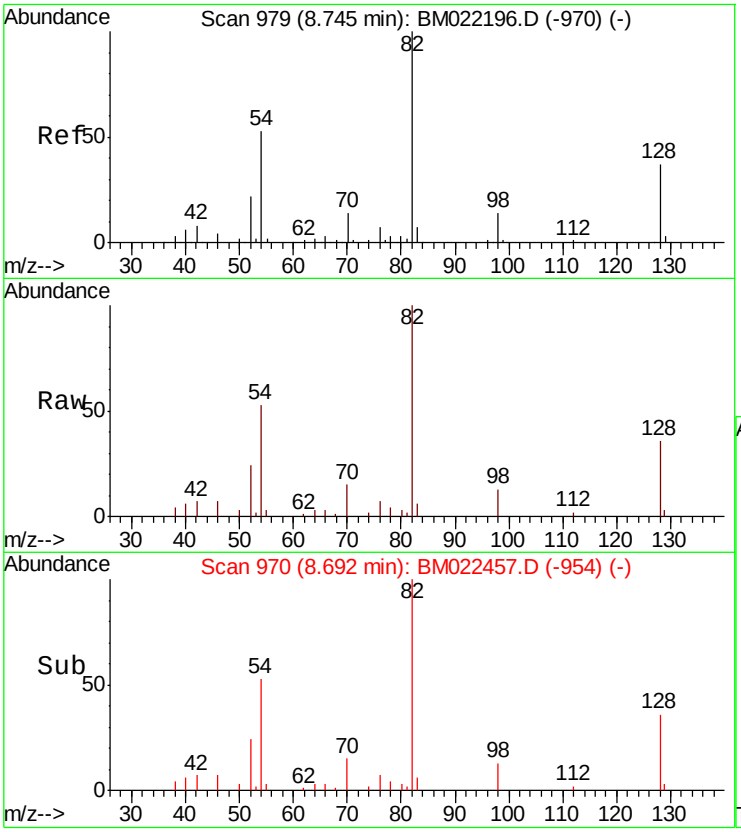




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:136 Resp: 68516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 9.0 | 7.0 | 10.6 |
| 68 | 4.9 | 2.9 | 4.3# |



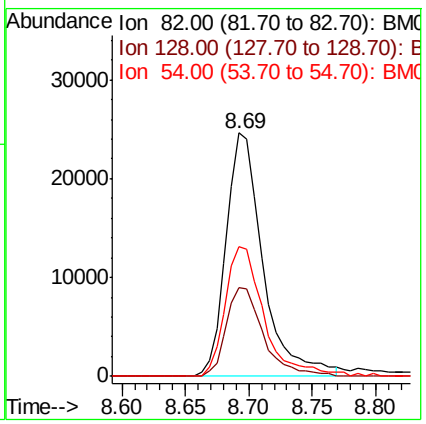


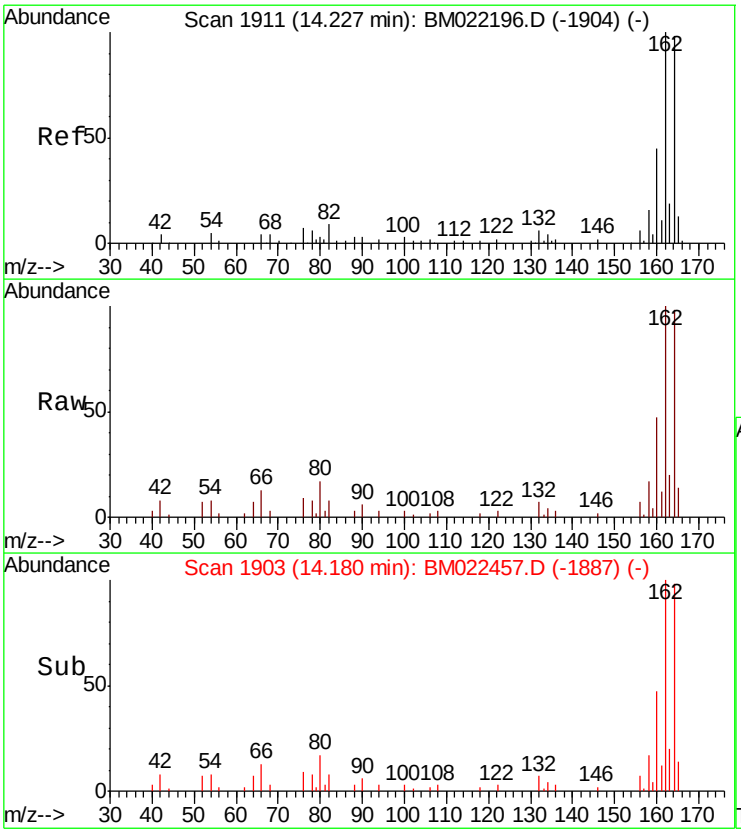

#23
Nitrobenzene-d5
Concen: 31.861 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion: 82 Resp: 49840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.2 | 27.9 | 41.9 |
| 54 | 53.3 | 45.2 | 67.8 |

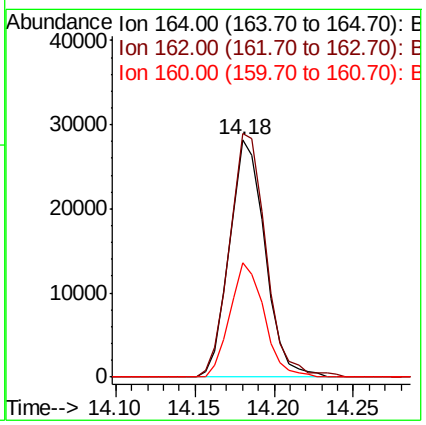


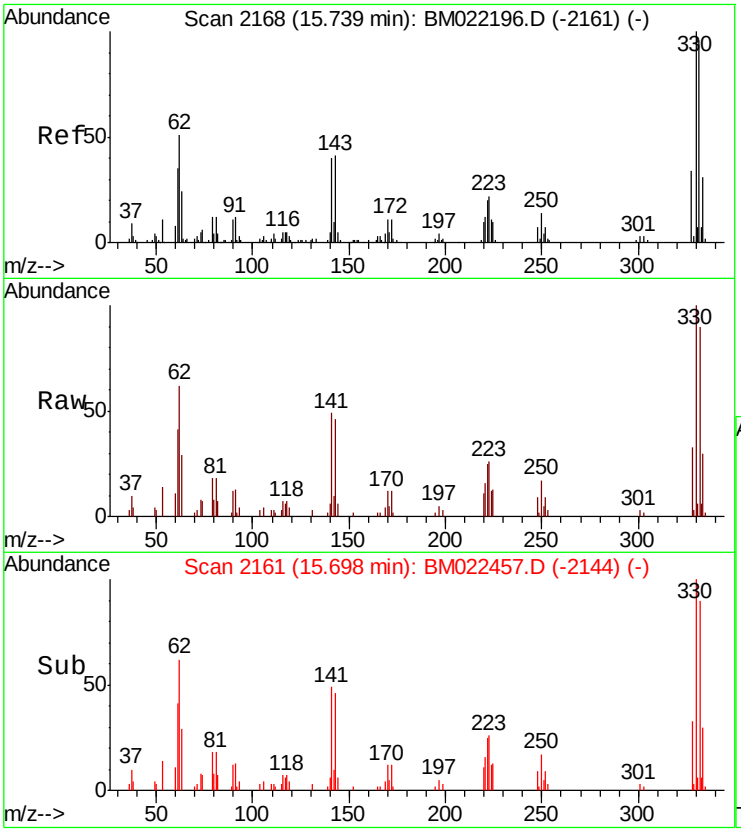




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:164 Resp: 43891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 80.6 | 121.0 |
| 160 | 48.2 | 37.3 | 55.9 |



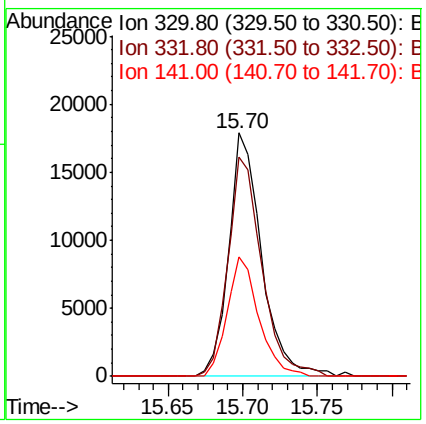


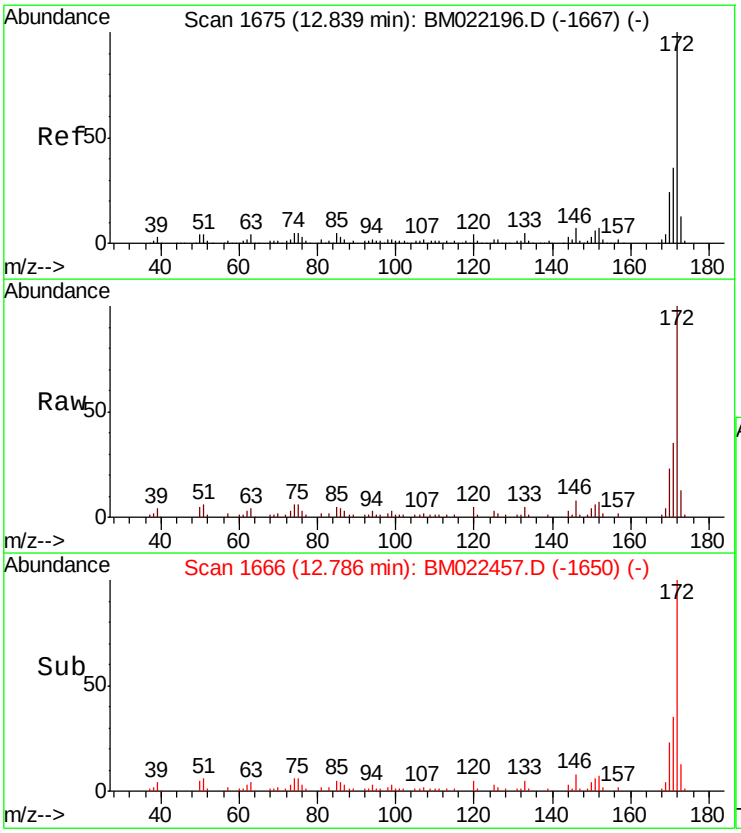

#42
2,4,6-Tribromophenol
Concen: 30.653 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:330 Resp: 27530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.8 | 77.8 | 116.8 |
| 141 | 47.4 | 35.6 | 53.4 |

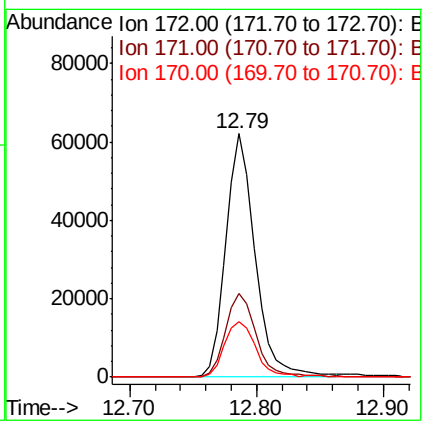


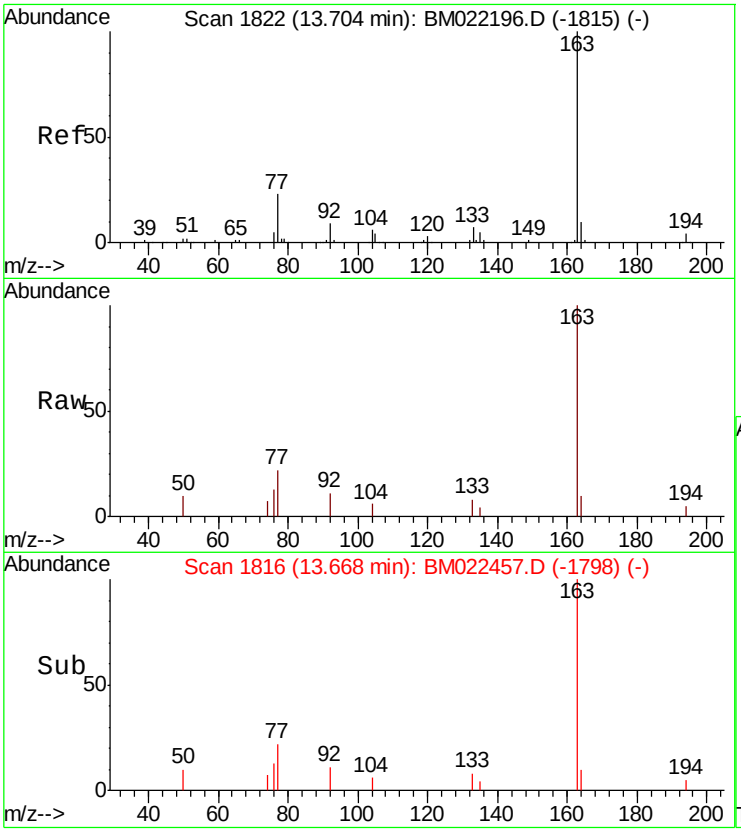




#45
2-Fluorobiphenyl
Concen: 25.655 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:172 Resp: 99396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.5 | 28.5 | 42.7 |
| 170 | 22.8 | 18.9 | 28.3 |



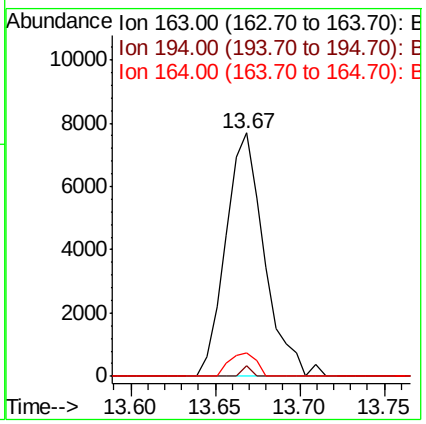


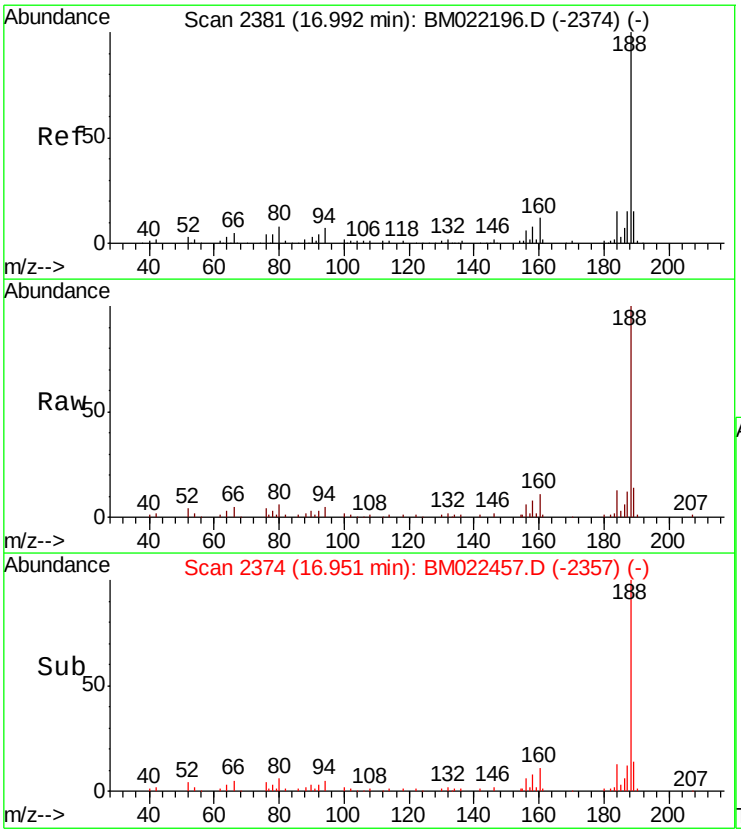

#50
Dimethylphthalate
Concen: 3.208 ng
RT: 13.67 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:163 Resp: 12245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.6 | 3.4 | 5.2 |
| 164 | 9.5 | 8.2 | 12.2 |

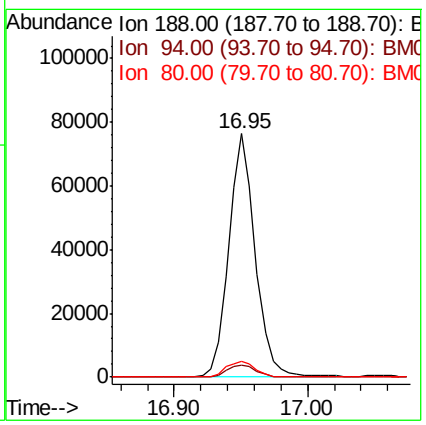


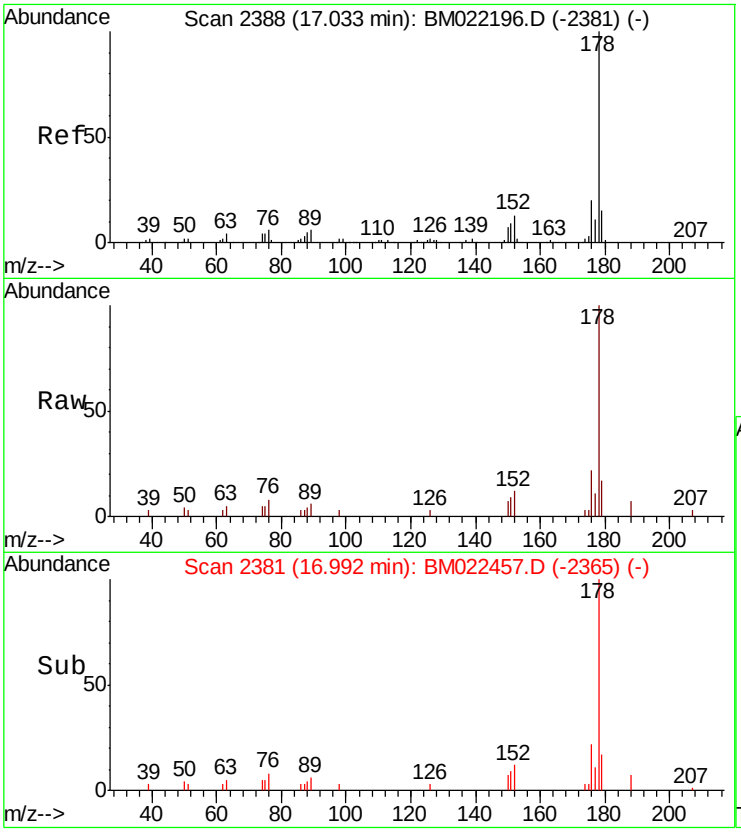




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:188 Resp: 105615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.2 | 4.4 | 6.6 |
| 80 | 6.4 | 5.0 | 7.6 |



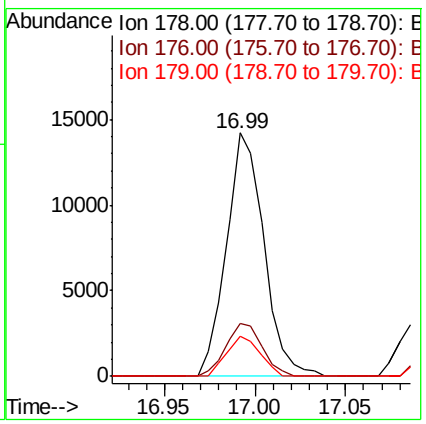


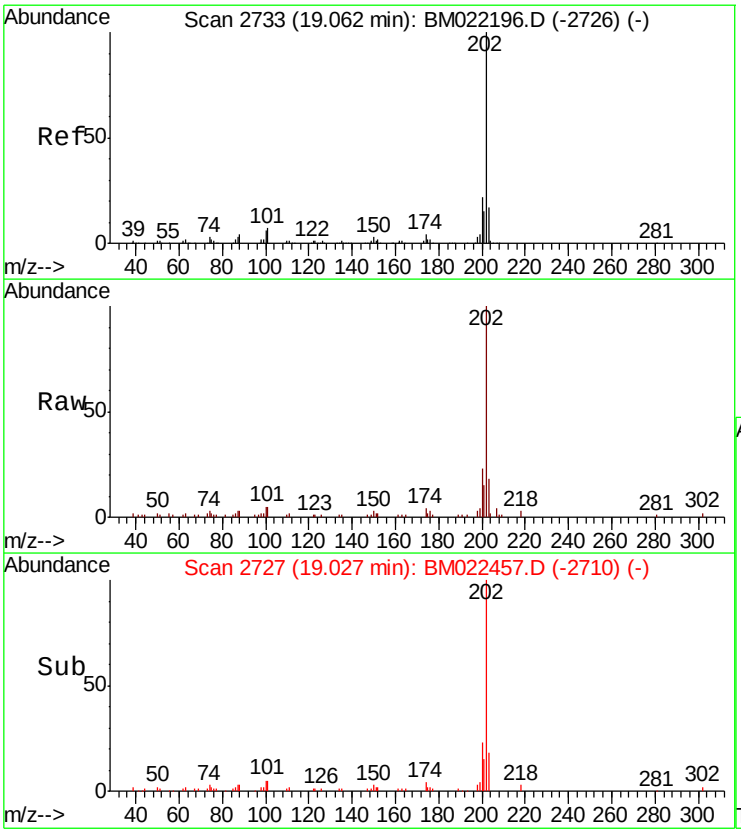

#71
Phenanthrene
Concen: 3.318 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:178 Resp: 20428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.7 | 15.4 | 23.2 |
| 179 | 16.7 | 12.3 | 18.5 |

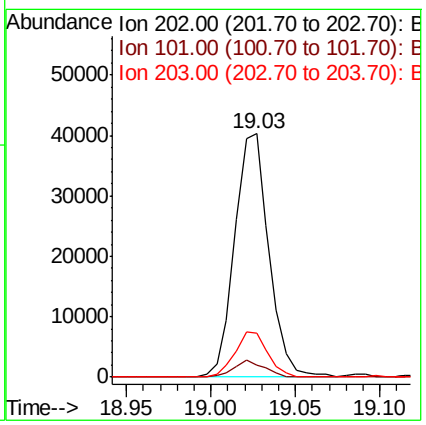


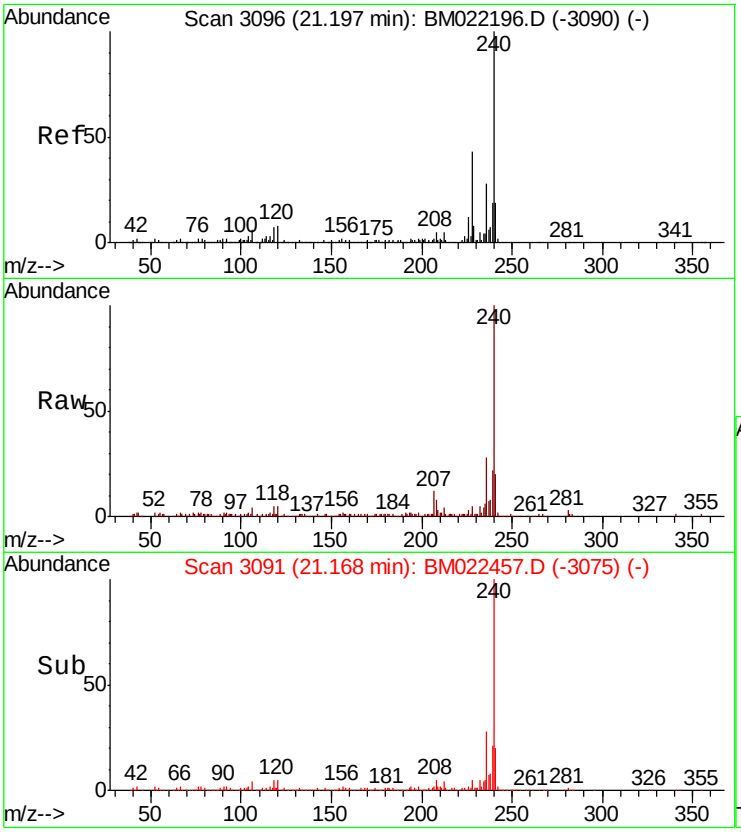




#75
Fluoranthene
Concen: 6.908 ng
RT: 19.03 min Scan# 2727
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:202 Resp: 56637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 5.0 | 0.0 | 25.1 |
| 203 | 18.2 | 0.0 | 37.1 |



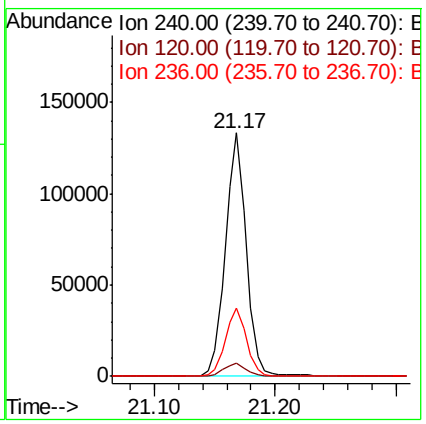


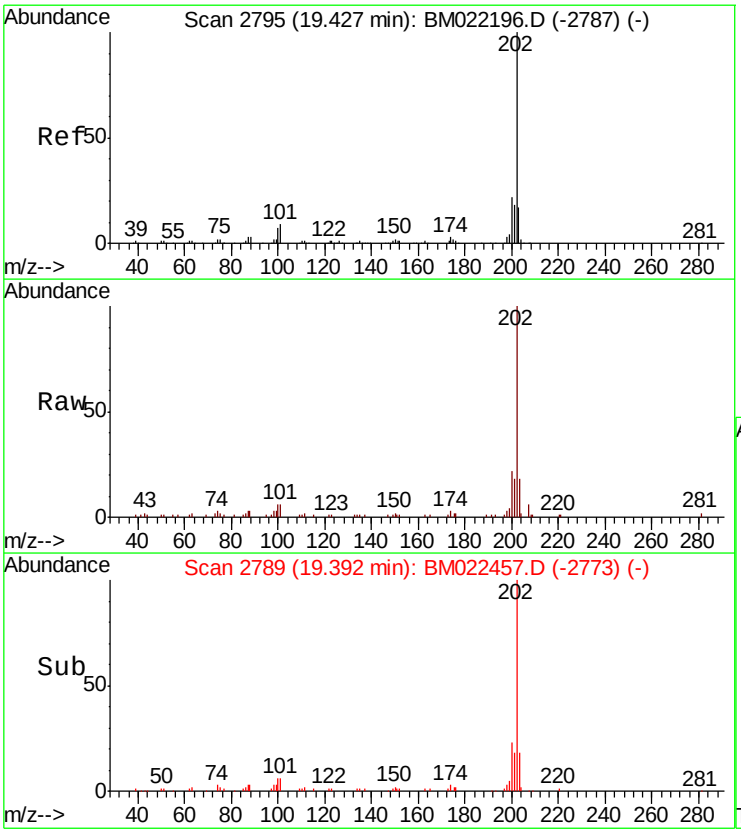

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:240 Resp: 159705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.4 | 3.9 | 5.9 |
| 236 | 28.0 | 21.4 | 32.2 |

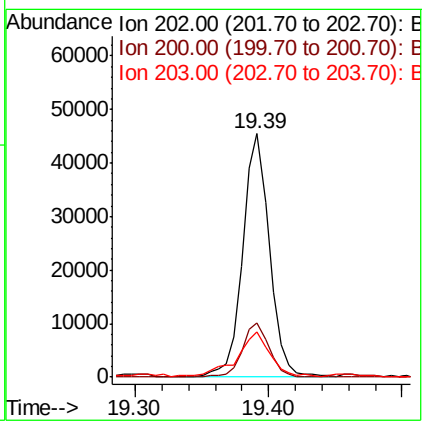


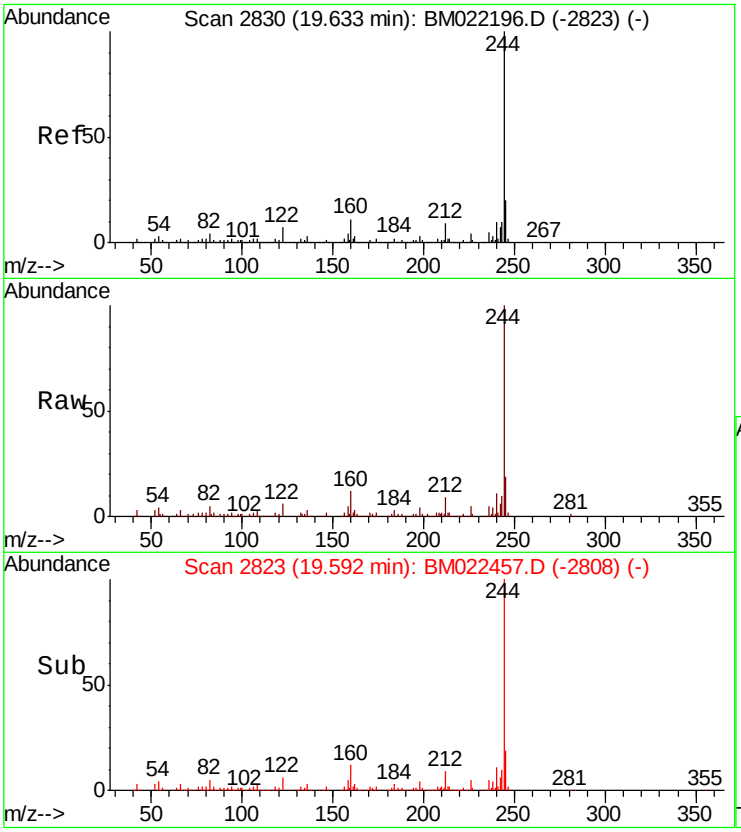




#78
Pyrene
Concen: 5.744 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:202 Resp: 62522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 17.7 | 26.5 |
| 203 | 18.4 | 13.8 | 20.8 |



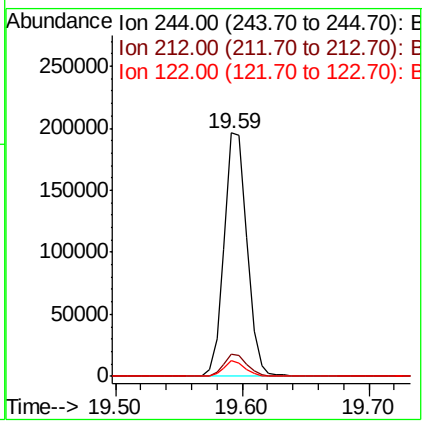


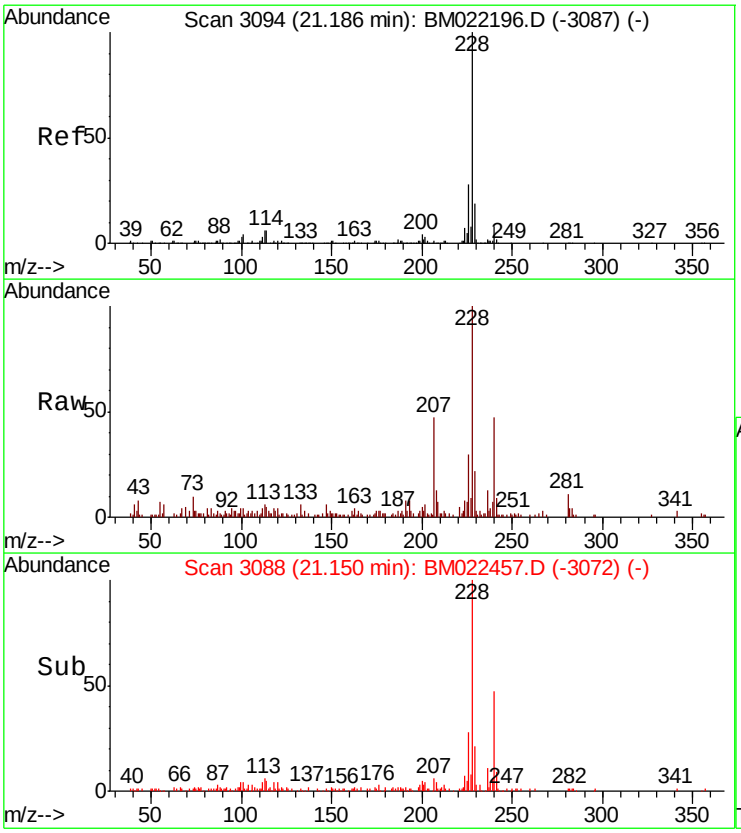

#79
Terphenyl-d14
Concen: 20.327 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:244 Resp: 245985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.2 | 7.0 | 10.4 |
| 122 | 6.4 | 3.9 | 5.9# |

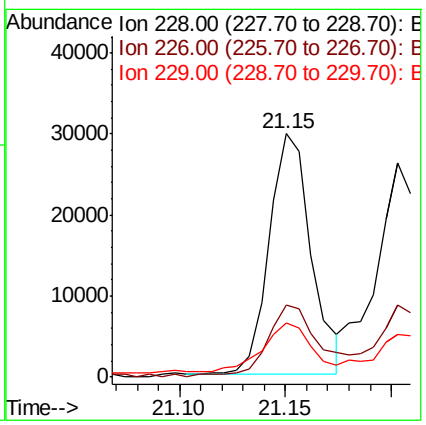


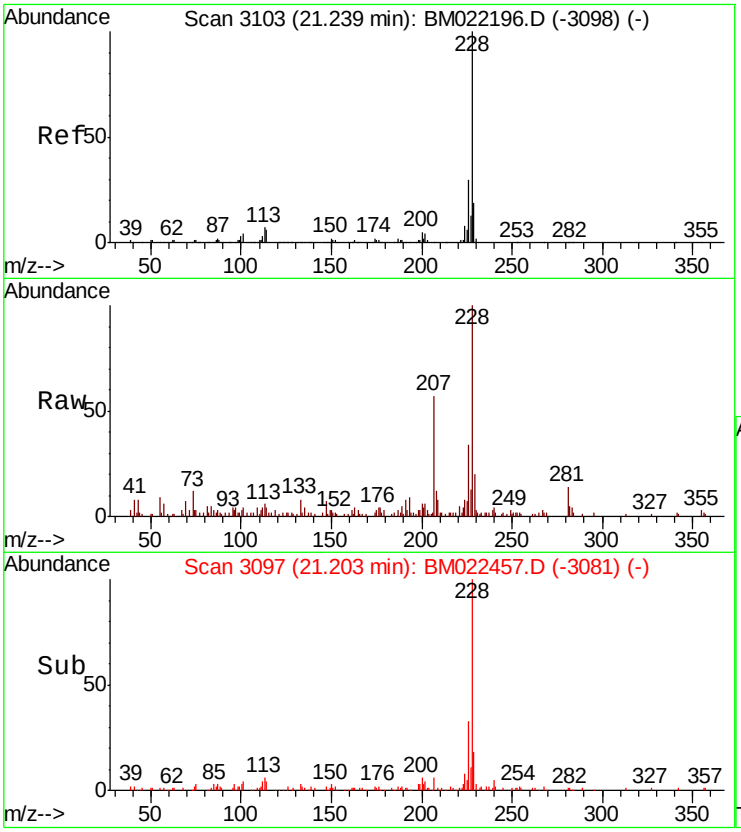




#81
Benzo(a)anthracene
Concen: 3.620 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:228 Resp: 41500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 22.6 | 34.0 |
| 229 | 22.4 | 15.9 | 23.9 |



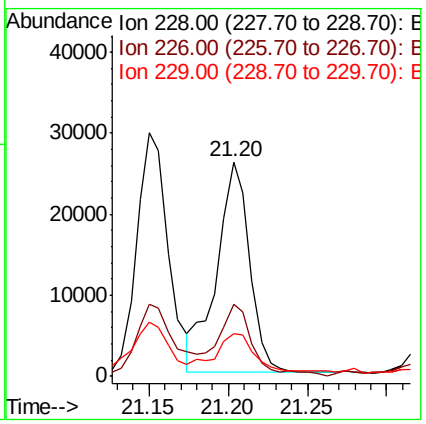


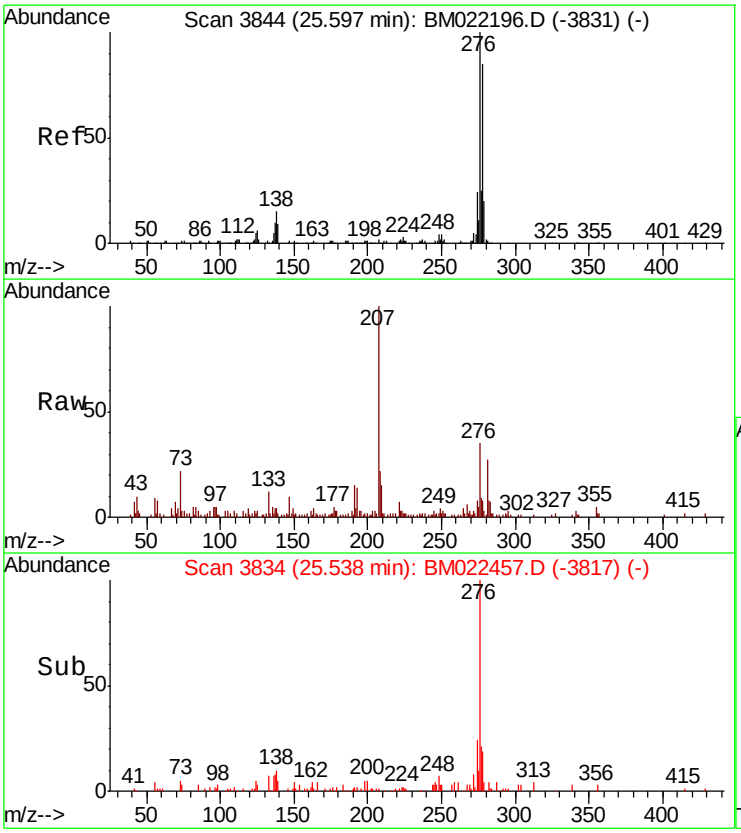

#83
Chrysene
Concen: 3.446 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:228 Resp: 37595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.7 | 24.5 | 36.7 |
| 229 | 20.0 | 15.7 | 23.5 |

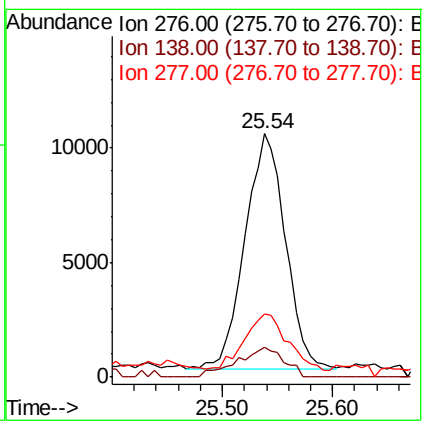


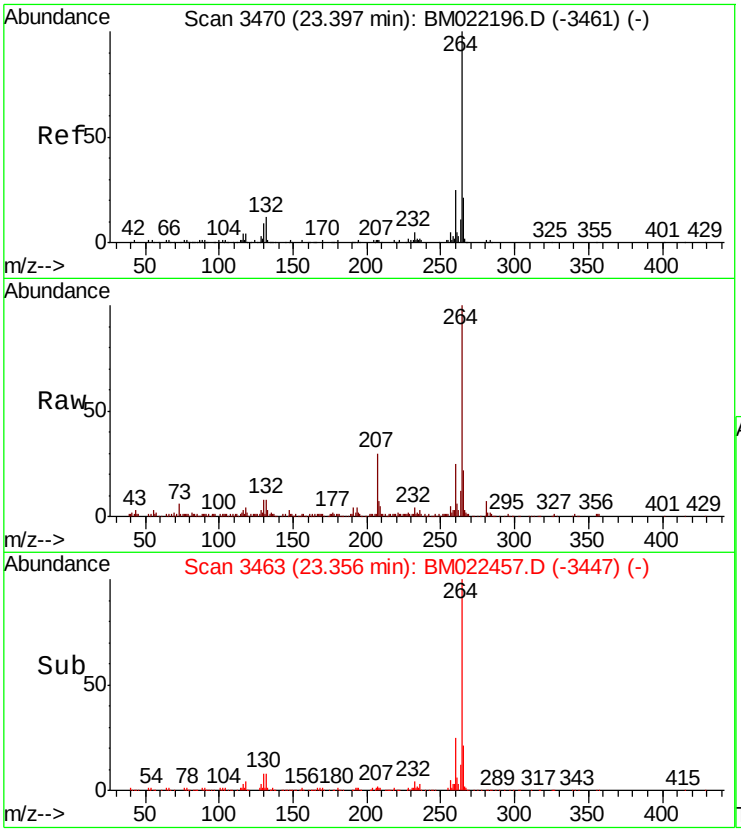




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.395 ng
RT: 25.54 min Scan# 3834
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:276 Resp: 26280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.6 | 9.1 | 13.7# |
| 277 | 25.3 | 20.0 | 30.0 |



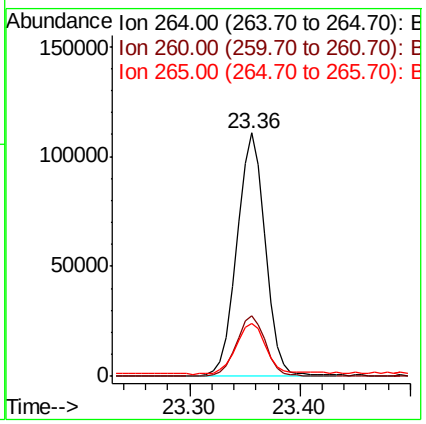


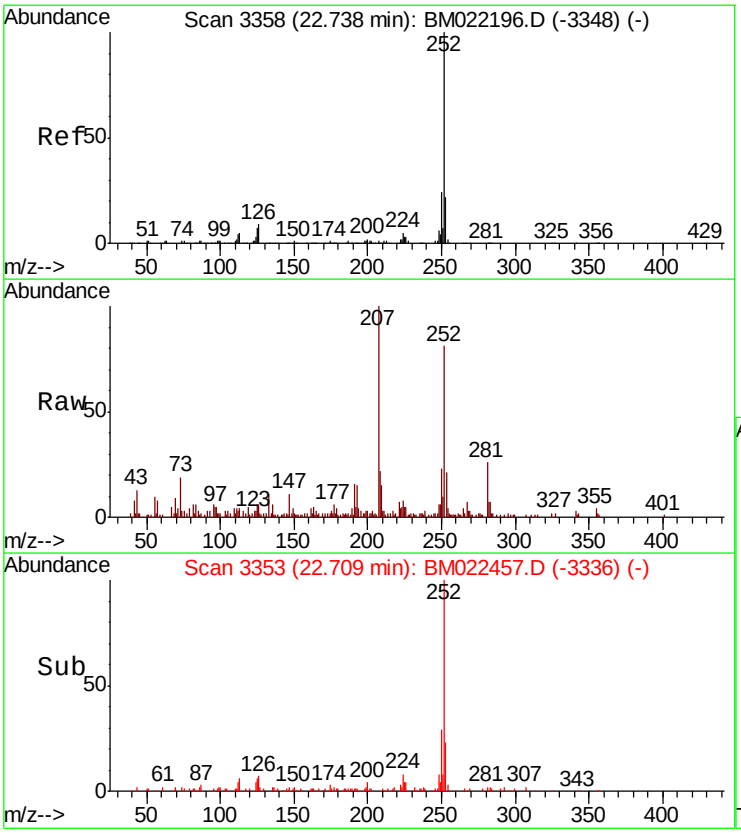

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:264 Resp: 200353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 20.2 | 30.2 |
| 265 | 21.7 | 18.2 | 27.2 |

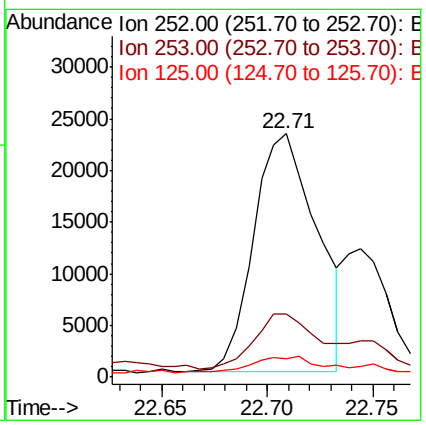


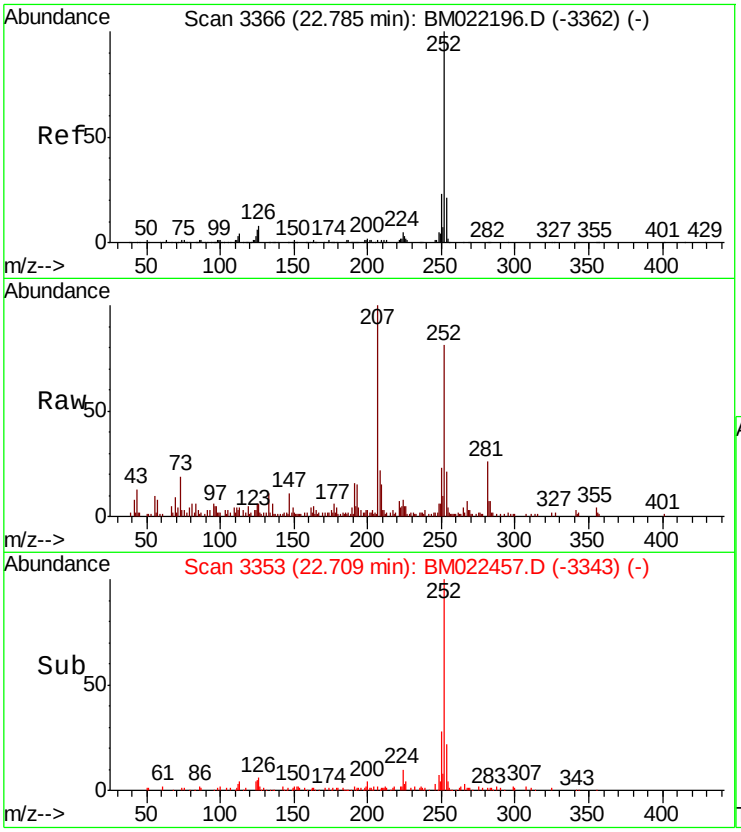




#88
Benzo(b)fluoranthene
Concen: 3.438 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:252 Resp: 47853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 17.9 | 26.9 |
| 125 | 7.7 | 3.5 | 5.3# |



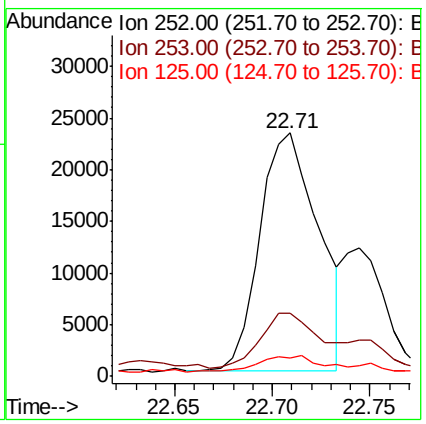


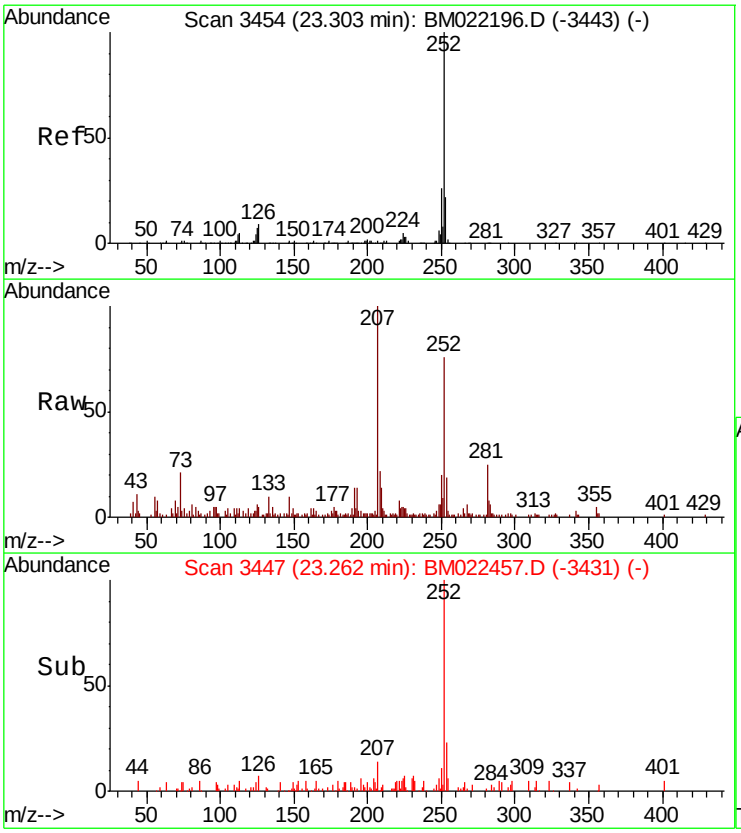

#89
Benzo(k)fluoranthene
Concen: 3.475 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.04 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:252 Resp: 47978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 17.0 | 25.4# |
| 125 | 7.7 | 3.7 | 5.5# |

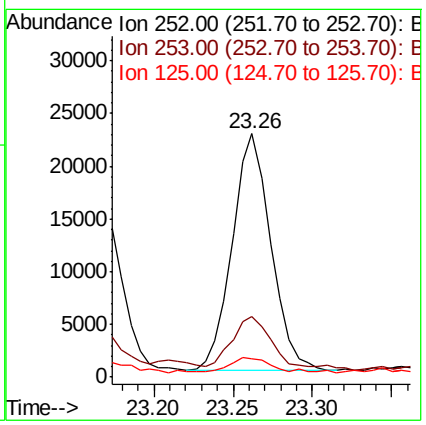


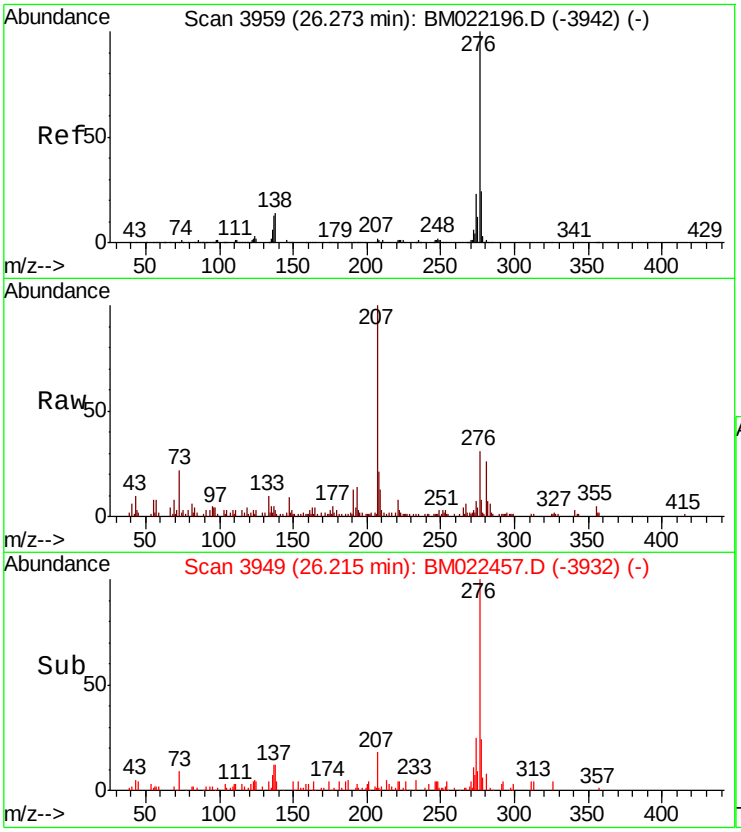




#90
Benzo(a)pyrene
Concen: 3.077 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:252 Resp: 38009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 18.2 | 27.2 |
| 125 | 7.4 | 3.8 | 5.8# |






#92
Benzo(g,h,i)perylene
Concen: 2.780 ng
RT: 26.21 min Scan# 3949
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

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

Tgt Ion:276 Resp: 29851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.3 | 19.4 | 29.0 |
| 138 | 11.5 | 8.8 | 13.2 |