Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034348.D
Acq On : 23 Mar 2022 20:45
Operator : CG/JU
Sample : N1962-03 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Quant Time: Mar 24 02:43:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 02:40:59 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.937 | 152 | 165942 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.748 | 136 | 659876 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.577 | 164 | 392313 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.318 | 188 | 770814 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.489 | 240 | 743956 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.900 | 264 | 821625 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.496 | 112 | 210129 | 22.717 | ng | | 0.00 |
| 7) Phenol-d6 | 7.095 | 99 | 262509 | 19.821 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.095 | 82 | 169773 | 12.526 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.060 | 330 | 102527 | 19.389 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.207 | 172 | 373427 | 13.007 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.936 | 244 | 534941 | 12.494 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 56) 4-Nitrophenol | 14.971 | 139 | 18808 | 3.776 | ng | # | 4 |
| 58) Fluorene | 15.618 | 166 | 74519 | 2.555 | ng | | 98 |
| 71) Phenanthrene | 17.359 | 178 | 632682 | 14.657 | ng | | 100 |
| 72) Anthracene | 17.448 | 178 | 149473 | 3.558 | ng | | 100 |
| 75) Fluoranthene | 19.371 | 202 | 648757 | 13.406 | ng | | 99 |
| 78) Pyrene | 19.730 | 202 | 561716 | 10.717 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.471 | 228 | 229075 | 4.879 | ng | | 96 |
| 83) Chrysene | 21.524 | 228 | 202304 | 4.219 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.165 | 252 | 231517 | 4.712 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 23.165 | 252 | 231517 | 4.448 | ng | | 95 |
| 90) Benzo(a)pyrene | 23.794 | 252 | 172878 | 4.151 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 27.182 | 276 | 104885 | 2.364 | ng | | 99 |

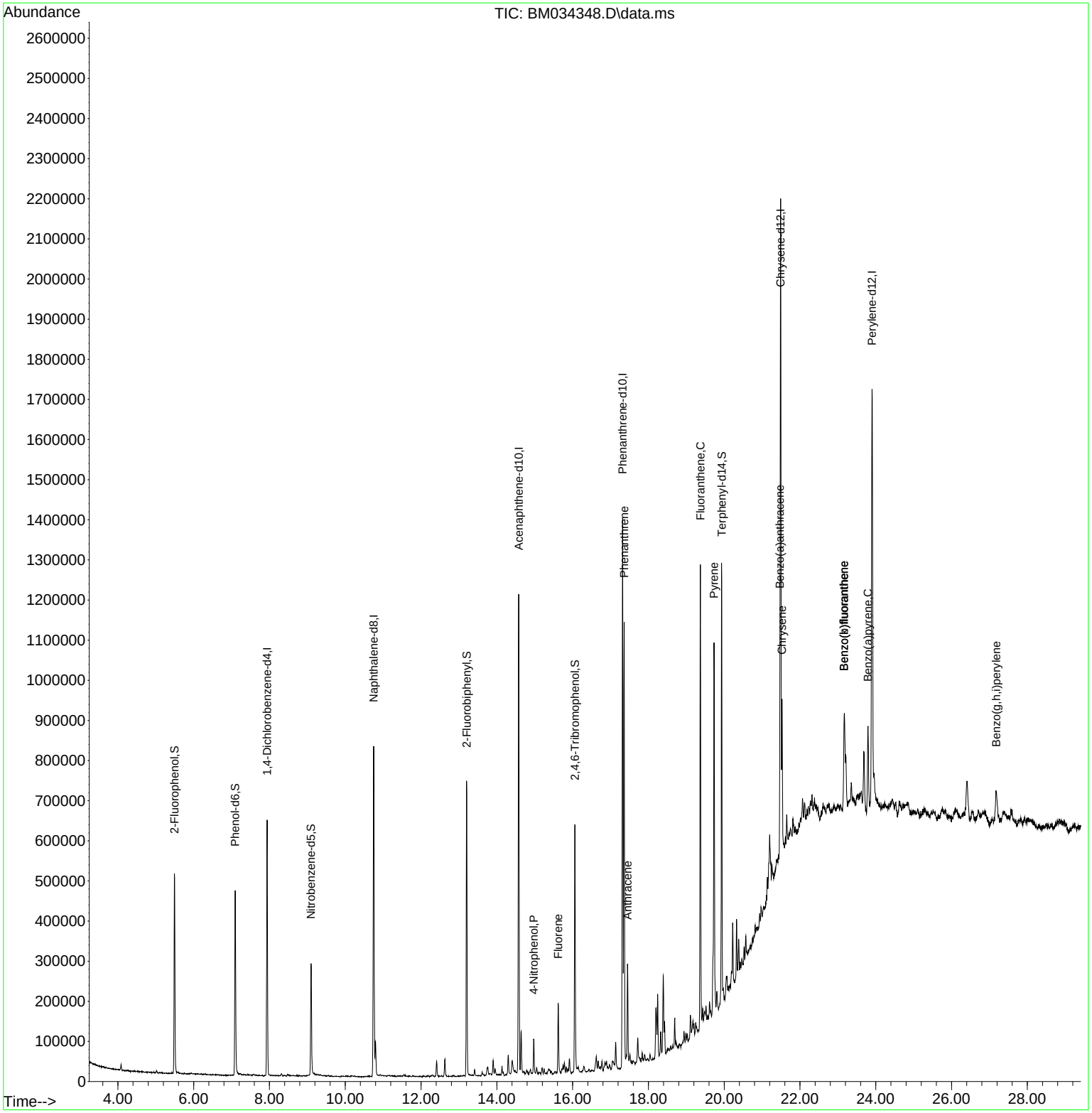
(#) = qualifier out of range (m) = manual integration (+) = signals summed

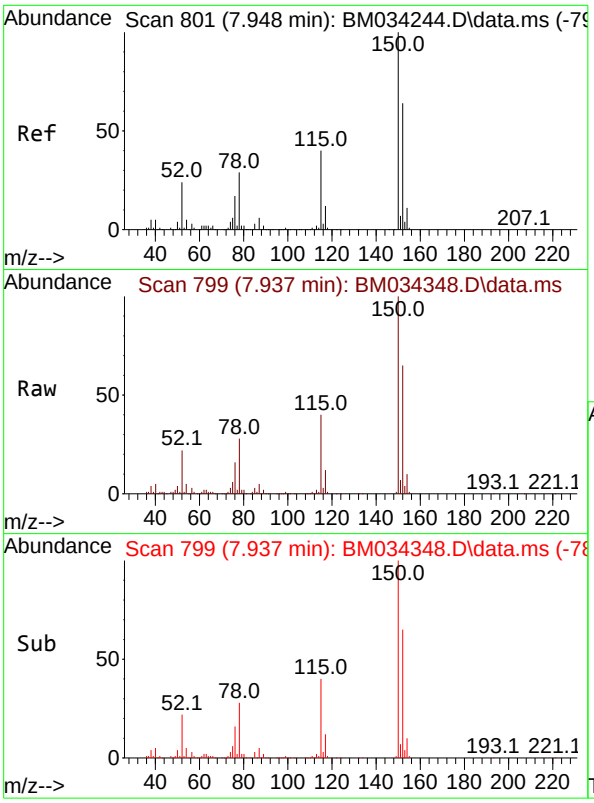
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034348.D
Acq On : 23 Mar 2022 20:45
Operator : CG/JU
Sample : N1962-03 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Quant Time: Mar 24 02:43:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 02:40:59 2022
Response via : Initial Calibration



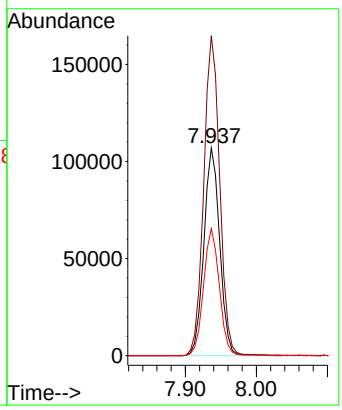


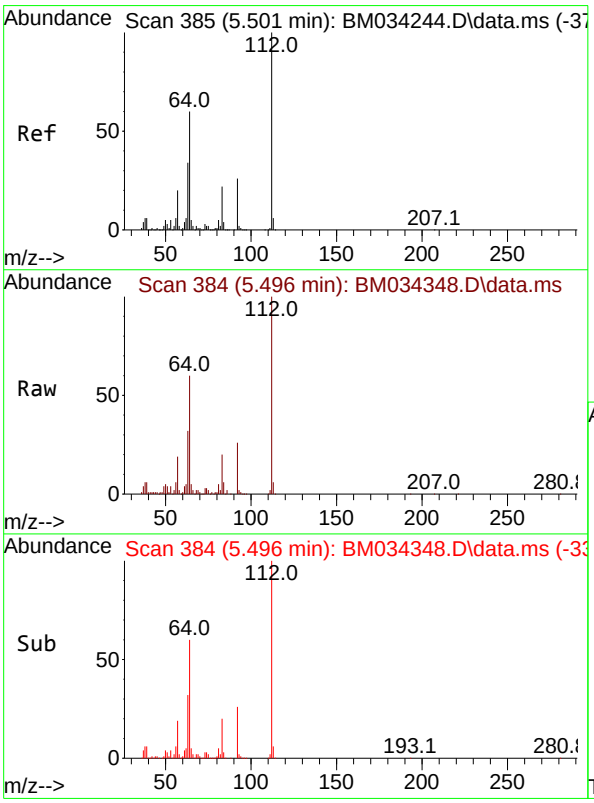

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 7
Delta R.T. -0.005 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:152 Resp: 165942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.1 | 125.4 | 188.2 |
| 115 | 61.2 | 50.1 | 75.1 |

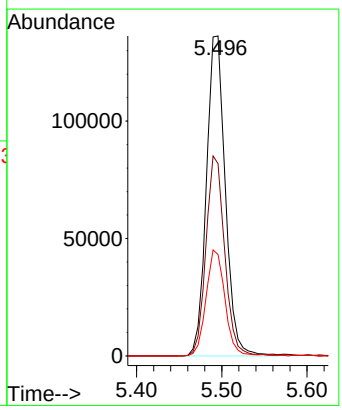


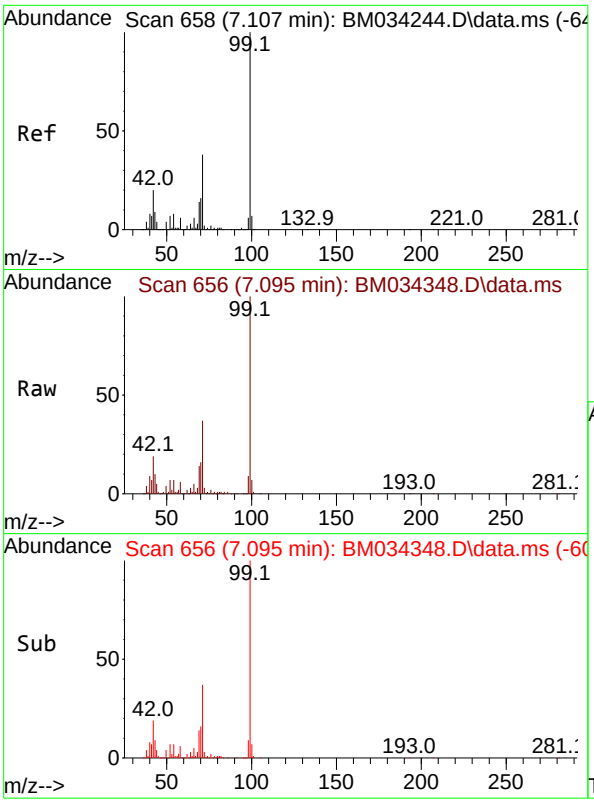




#5
2-Fluorophenol
Concen: 22.717 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:112 Resp: 210129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 47.9 | 71.9 |
| 63 | 31.7 | 27.1 | 40.7 |



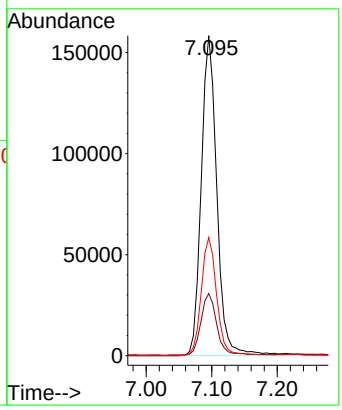


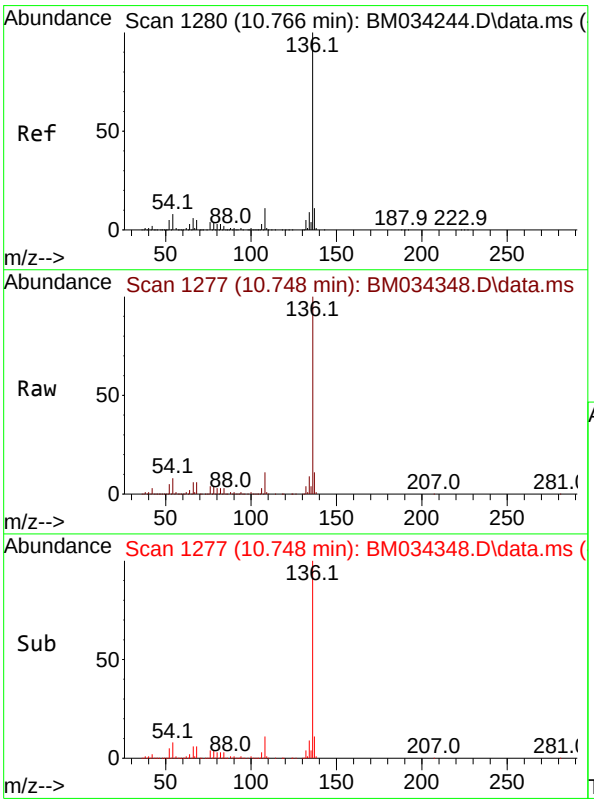

#7
Phenol-d6
Concen: 19.821 ng
RT: 7.095 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion: 99 Resp: 262509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.6 | 23.4 |
| 71 | 36.9 | 30.6 | 46.0 |

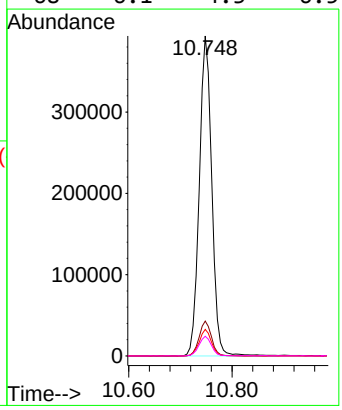


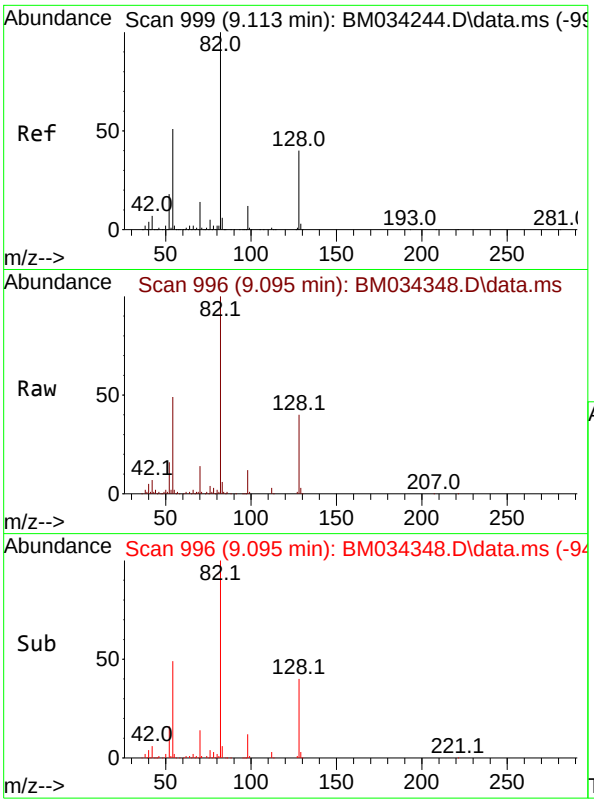




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:136 Resp: 659876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 13.0 |
| 54 | 8.3 | 6.2 | 9.4 |
| 68 | 6.1 | 4.3 | 6.5 |



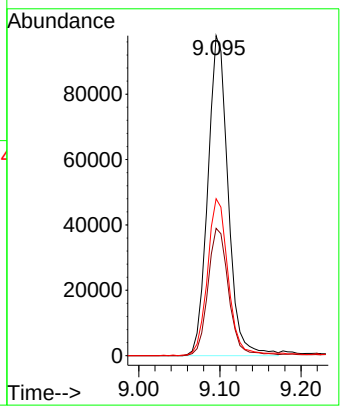


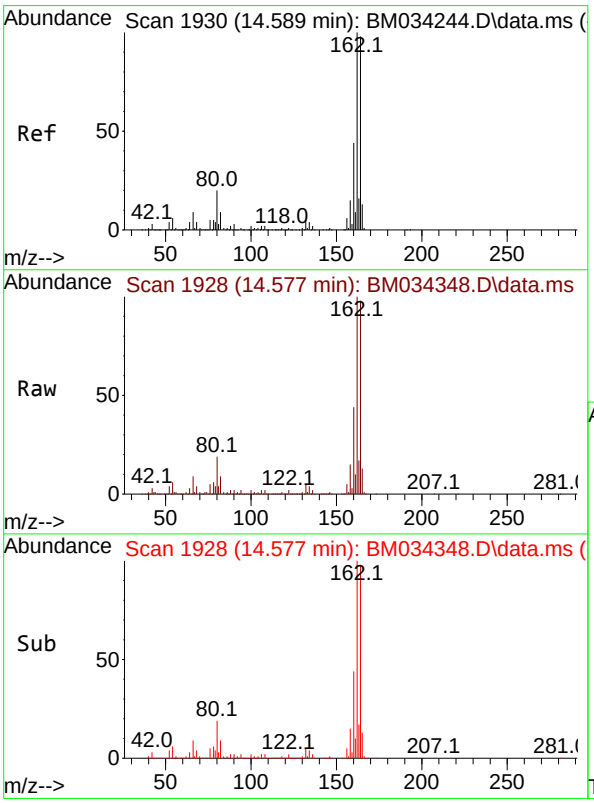

#23
Nitrobenzene-d5
Concen: 12.526 ng
RT: 9.095 min Scan# 9
Delta R.T. -0.012 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion: 82 Resp: 169773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.8 | 31.9 | 47.9 |
| 54 | 49.0 | 40.6 | 61.0 |

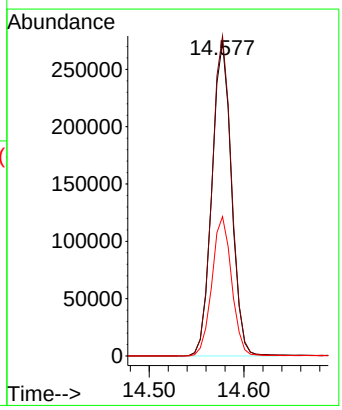


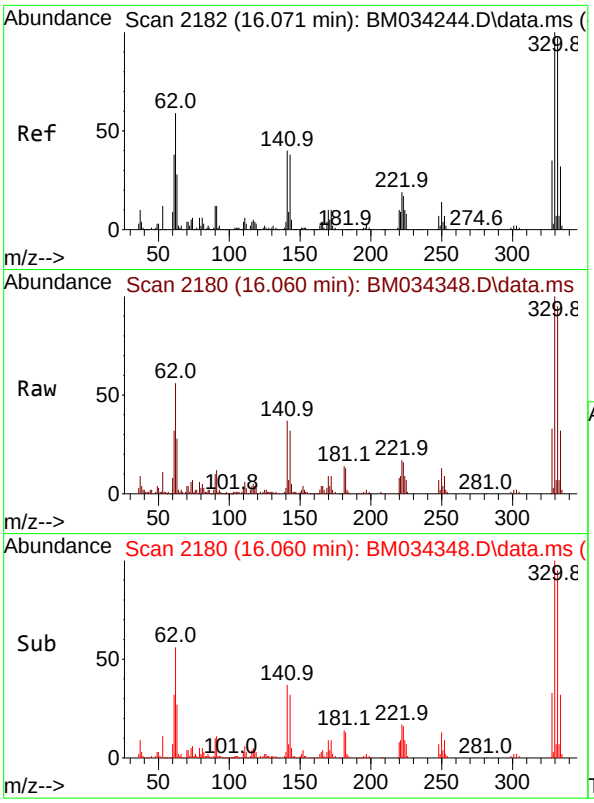




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:164 Resp: 392313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 81.6 | 122.4 |
| 160 | 44.4 | 35.6 | 53.4 |



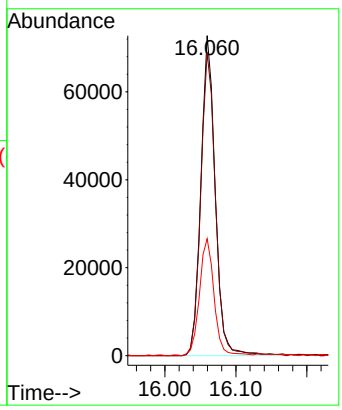


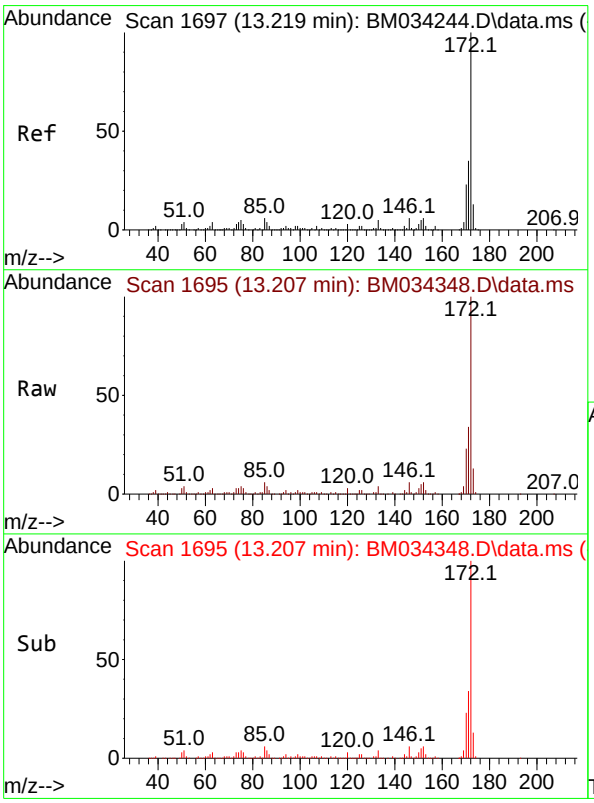

#42
2,4,6-Tribromophenol
Concen: 19.389 ng
RT: 16.060 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:330 Resp: 102527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 78.2 | 117.4 |
| 141 | 37.3 | 30.6 | 45.8 |

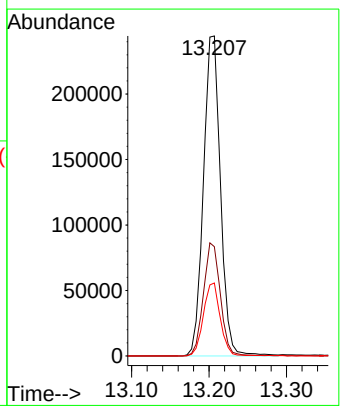


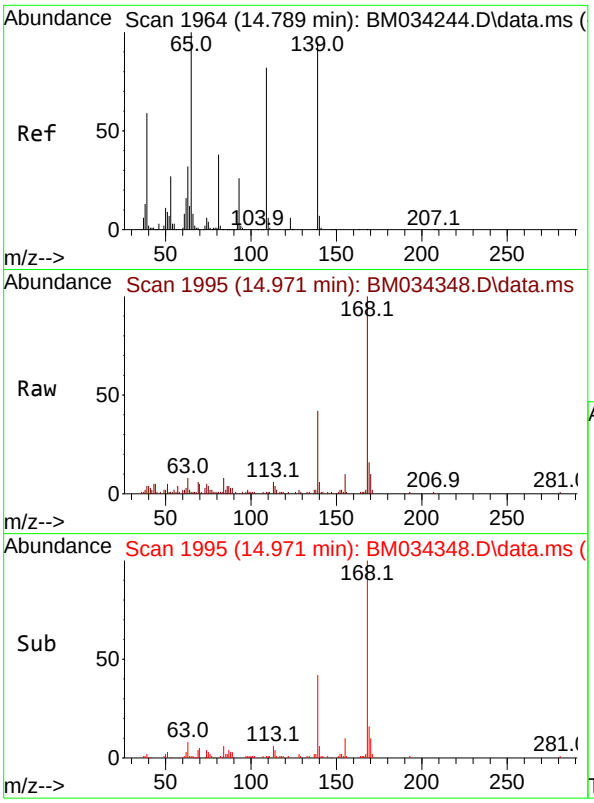




#45
2-Fluorobiphenyl
Concen: 13.007 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:172 Resp: 373427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.1 | 28.0 | 42.0 |
| 170 | 22.8 | 18.6 | 28.0 |



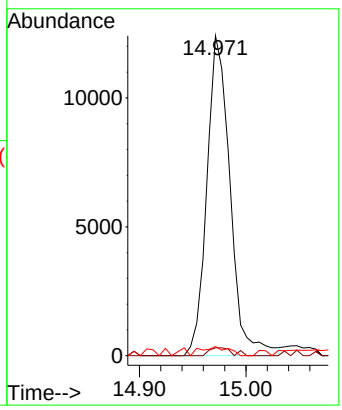


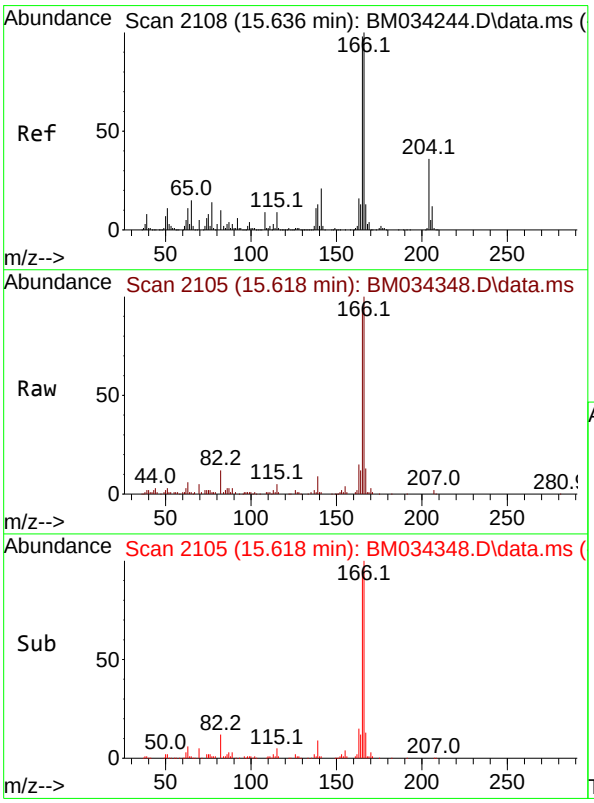

#56
4-Nitrophenol
Concen: 3.776 ng
RT: 14.971 min Scan# 1
Delta R.T. 0.182 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:139 Resp: 18808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 2.4 | 66.3 | 106.3# |
| 65 | 2.9 | 85.5 | 125.5# |

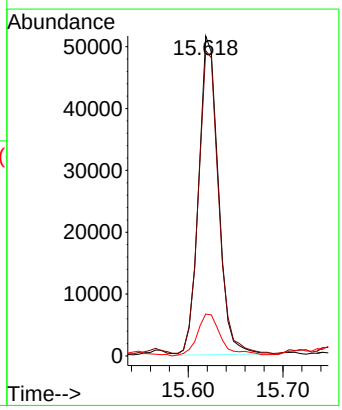


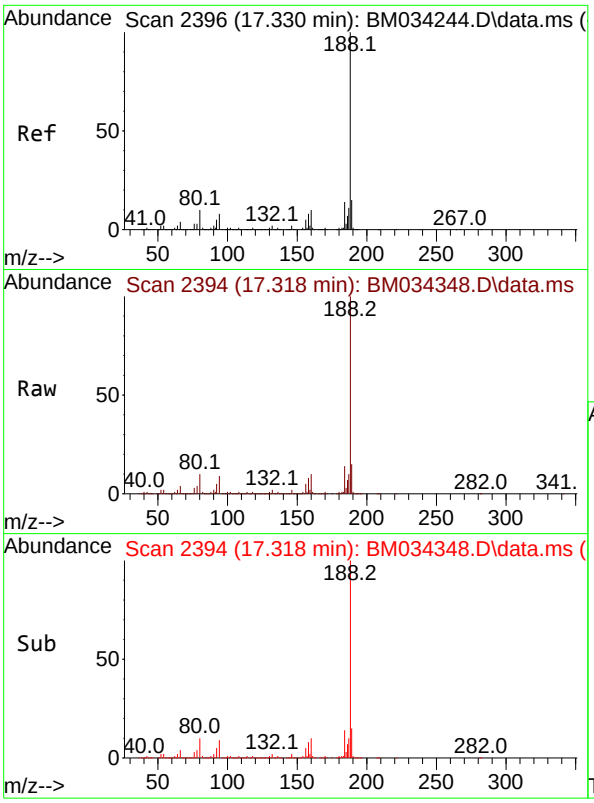




#58
Fluorene
Concen: 2.555 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:166 Resp: 74519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.4 | 78.0 | 117.0 |
| 167 | 13.1 | 10.5 | 15.7 |



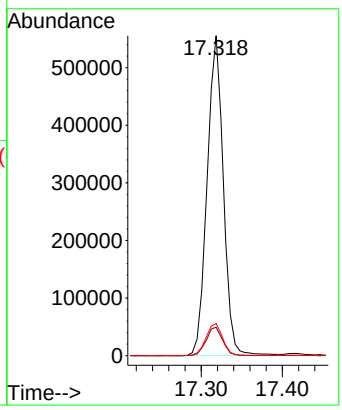


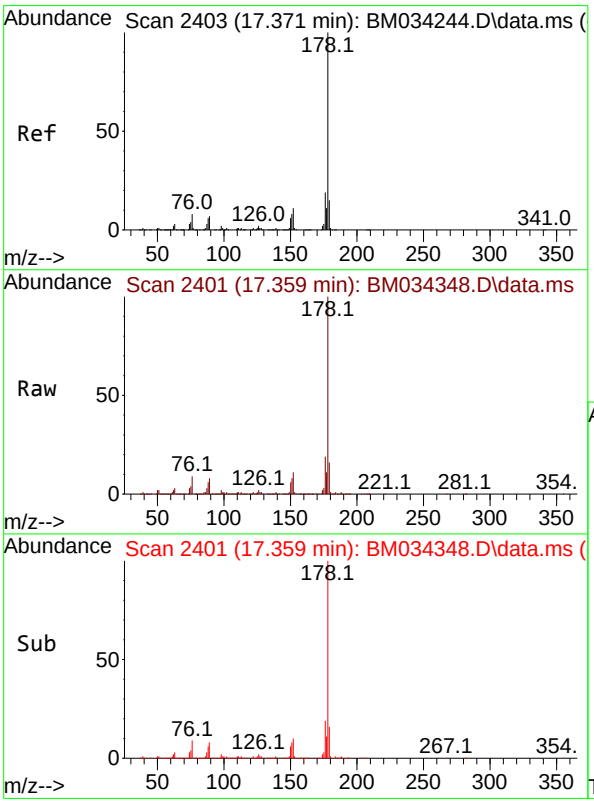

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:188 Resp: 770814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 6.6 | 9.8 |
| 80 | 10.1 | 7.8 | 11.8 |

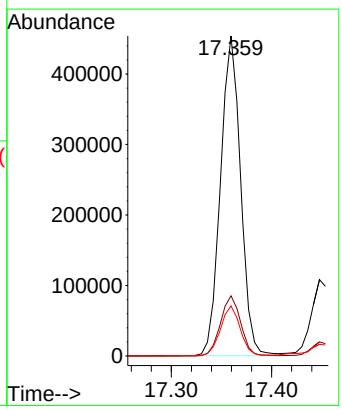


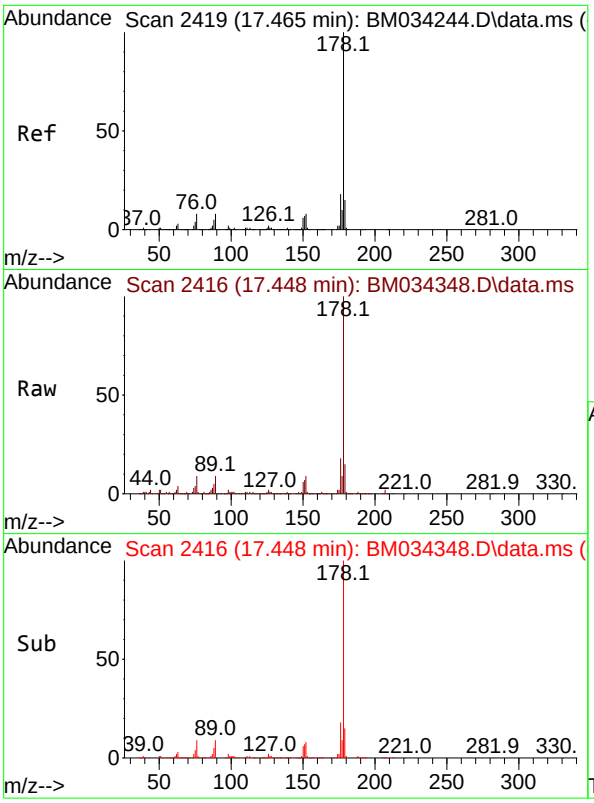




#71
Phenanthrene
Concen: 14.657 ng
RT: 17.359 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:178 Resp: 632682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 15.6 | 12.2 | 18.4 |



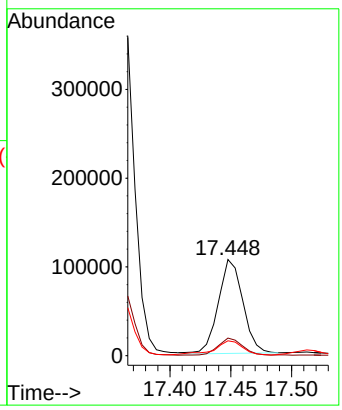


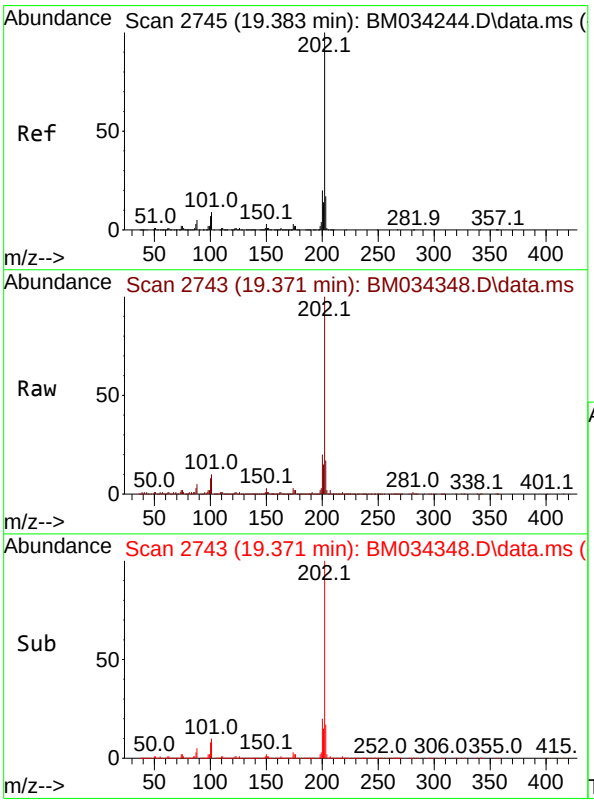

#72
Anthracene
Concen: 3.558 ng
RT: 17.448 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:178 Resp: 149473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.6 | 22.0 |
| 179 | 15.4 | 12.2 | 18.2 |

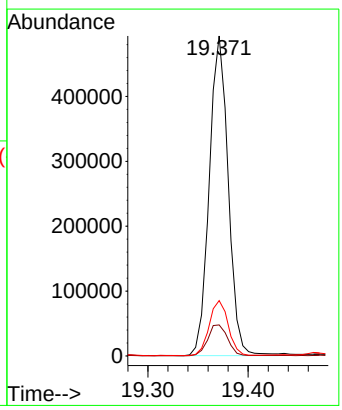


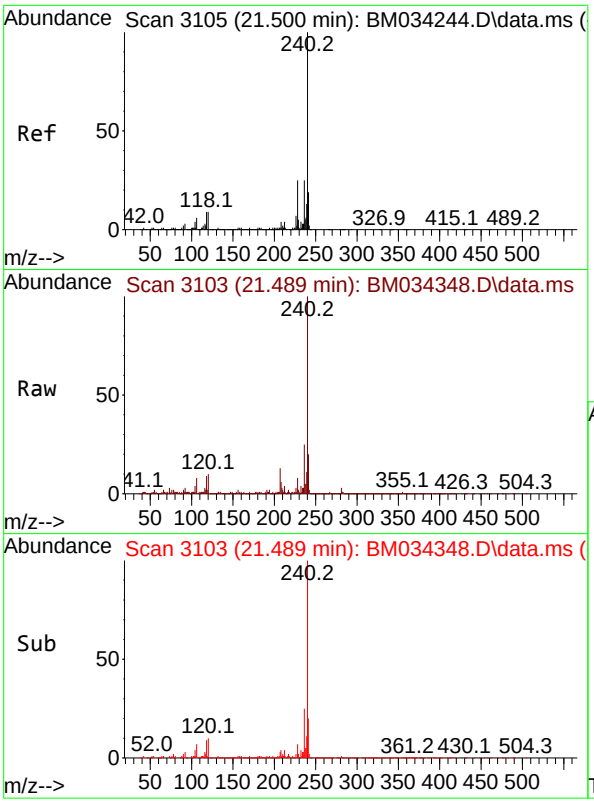




#75
Fluoranthene
Concen: 13.406 ng
RT: 19.371 min Scan# 2743
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:202 Resp: 648757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 29.4 |
| 203 | 17.3 | 0.0 | 37.1 |



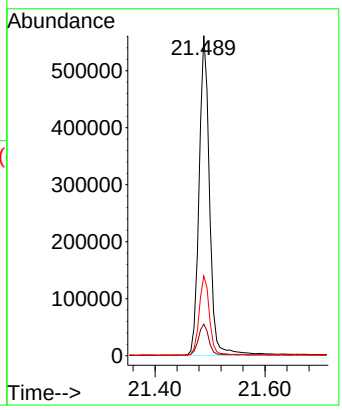


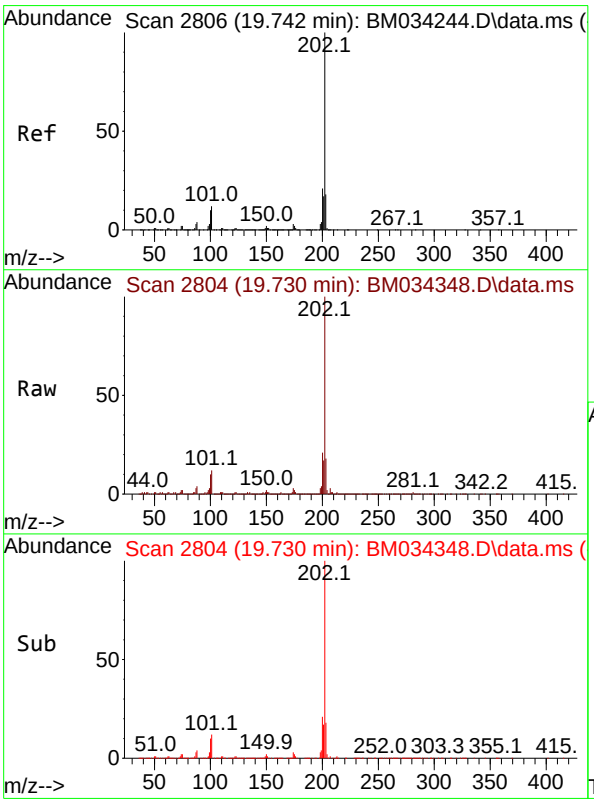

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:240 Resp: 743956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 7.3 | 10.9 |
| 236 | 24.9 | 20.2 | 30.2 |

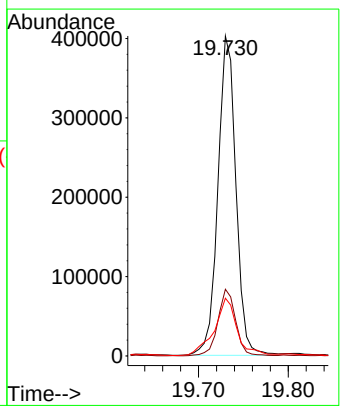


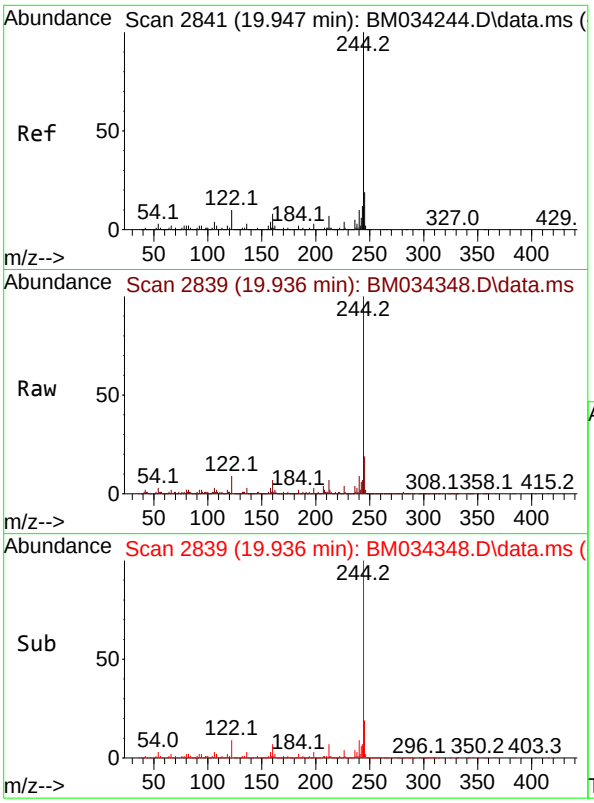




#78
Pyrene
Concen: 10.717 ng
RT: 19.730 min Scan# 2804
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:202 Resp: 561716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.6 | 24.8 |
| 203 | 18.0 | 14.1 | 21.1 |



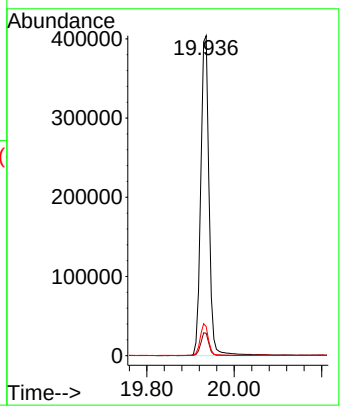


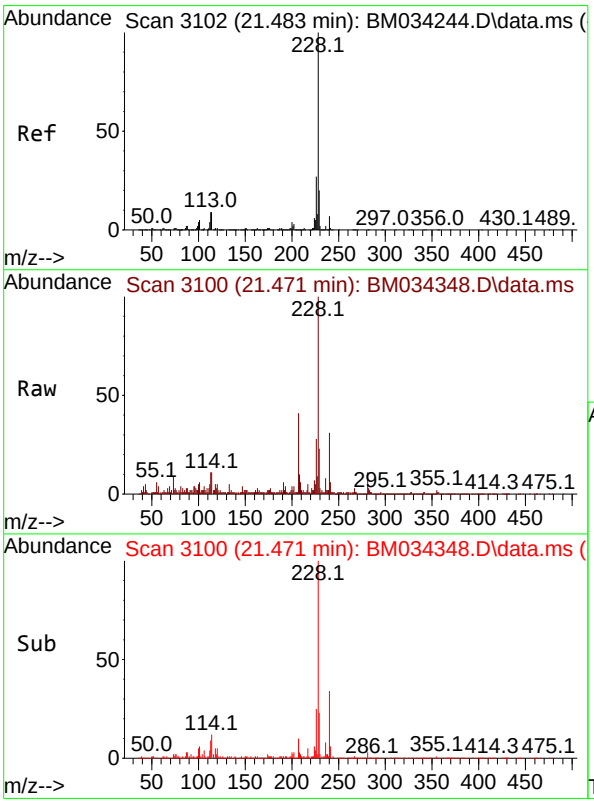

#79
Terphenyl-d14
Concen: 12.494 ng
RT: 19.936 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:244 Resp: 534941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.9 | 8.9 |
| 122 | 9.1 | 7.8 | 11.8 |

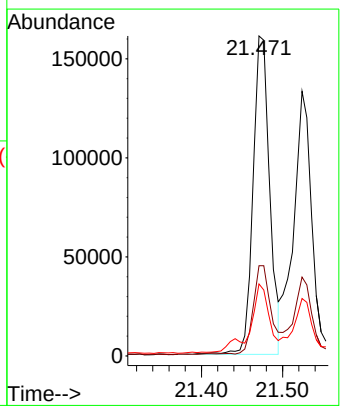


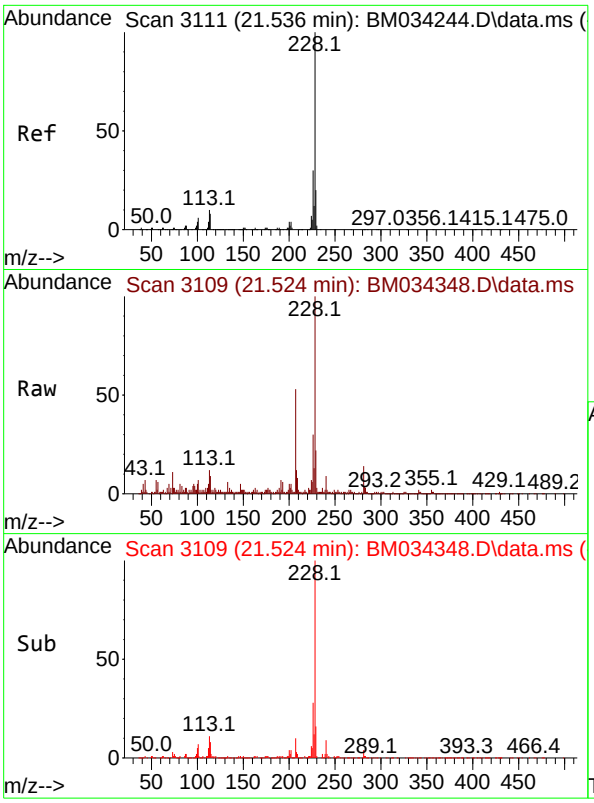




#81
Benzo(a)anthracene
Concen: 4.879 ng
RT: 21.471 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:228 Resp: 229075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 21.6 | 32.4 |
| 229 | 22.5 | 15.8 | 23.6 |



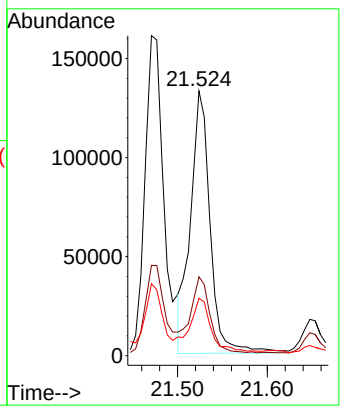


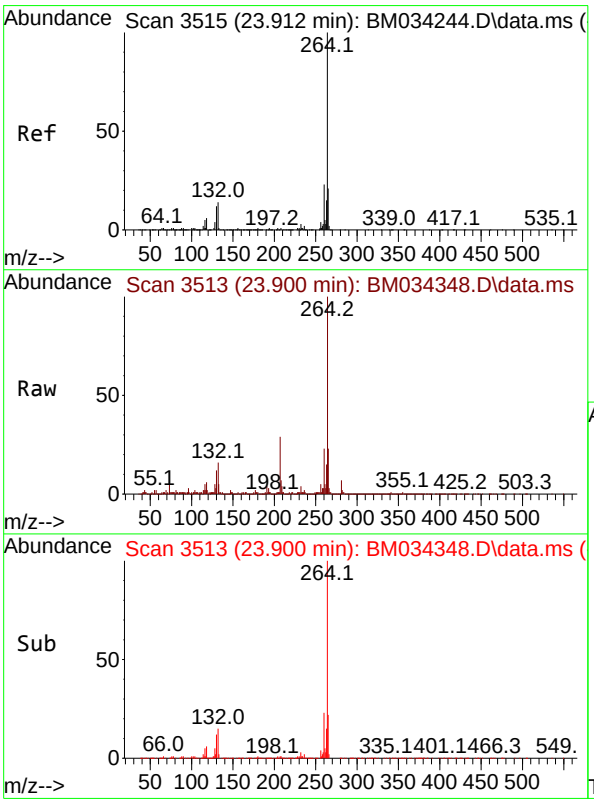

#83
Chrysene
Concen: 4.219 ng
RT: 21.524 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:228 Resp: 202304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.8 | 35.6 |
| 229 | 21.7 | 15.6 | 23.4 |

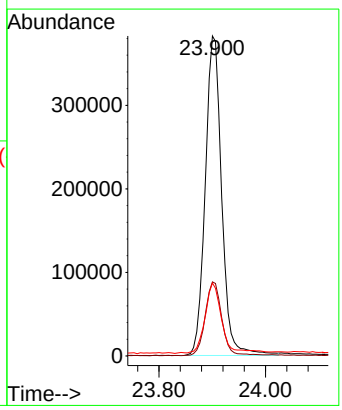


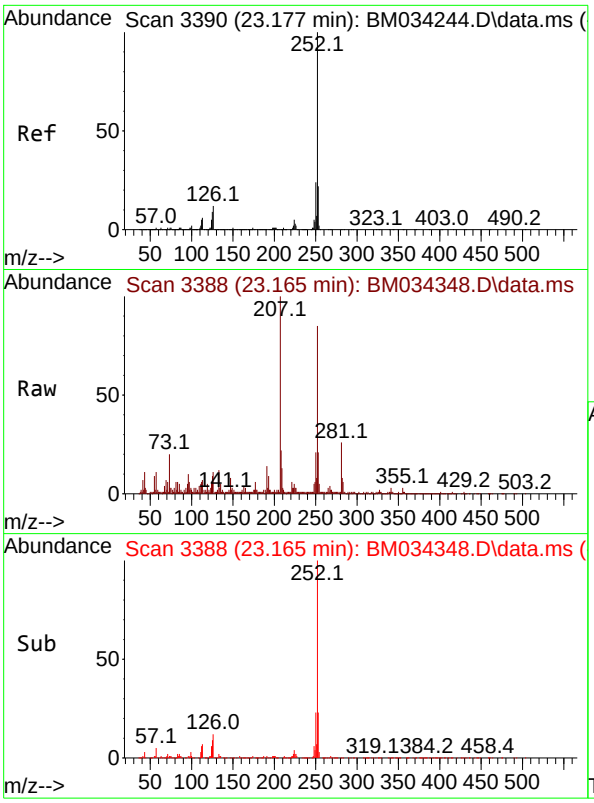




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:264 Resp: 821625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.6 | 28.0 |
| 265 | 22.8 | 17.6 | 26.4 |



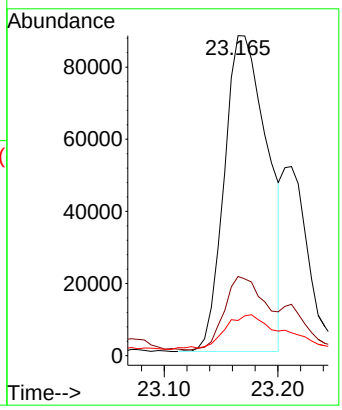


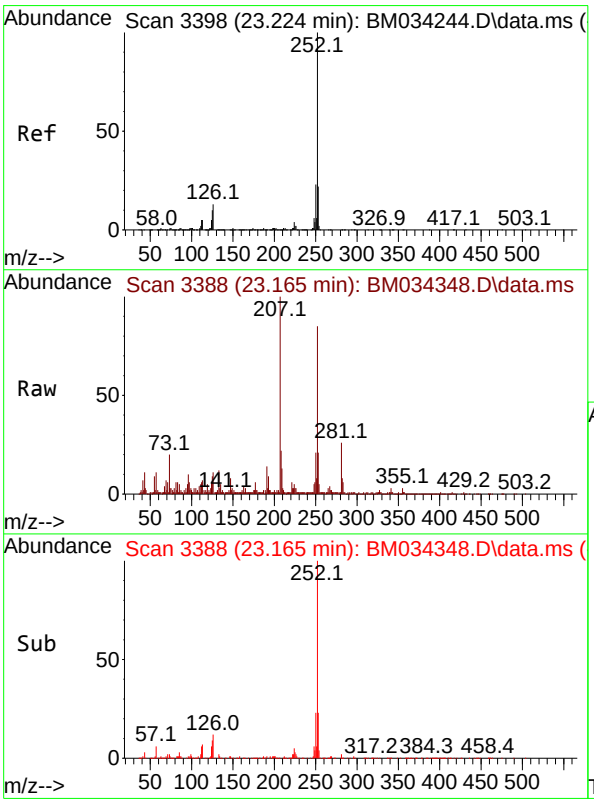

#88
Benzo(b)fluoranthene
Concen: 4.712 ng
RT: 23.165 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:252 Resp: 231517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.8 | 26.8 |
| 125 | 11.0 | 7.2 | 10.8# |

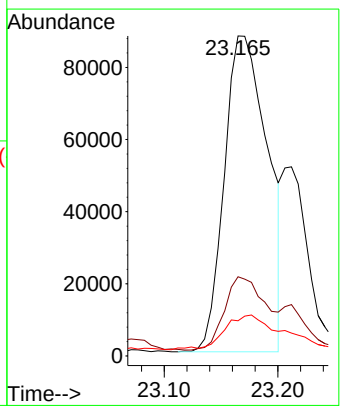


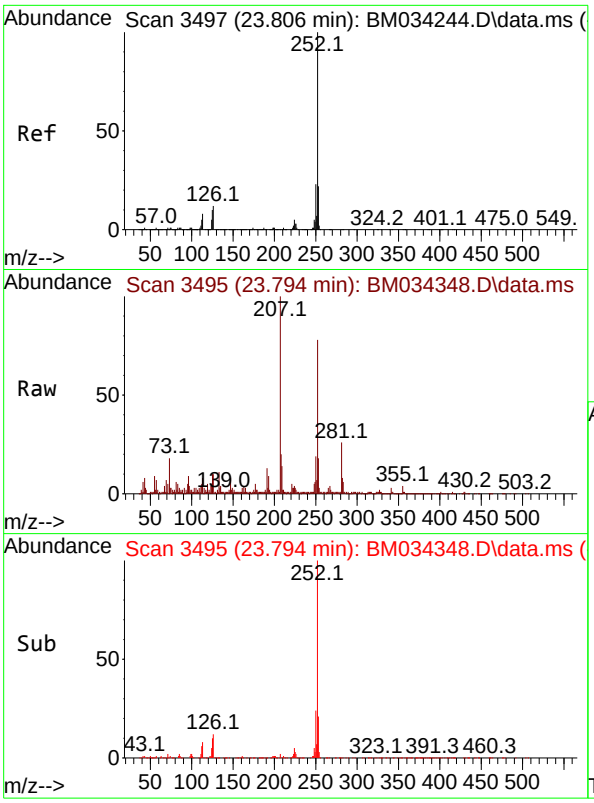




#89
Benzo(k)fluoranthene
Concen: 4.448 ng
RT: 23.165 min Scan# 3388
Delta R.T. -0.059 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:252 Resp: 231517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.6 | 26.4 |
| 125 | 11.0 | 7.5 | 11.3 |



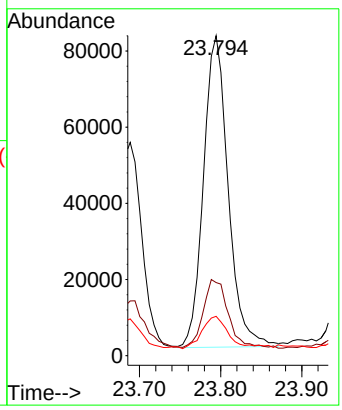


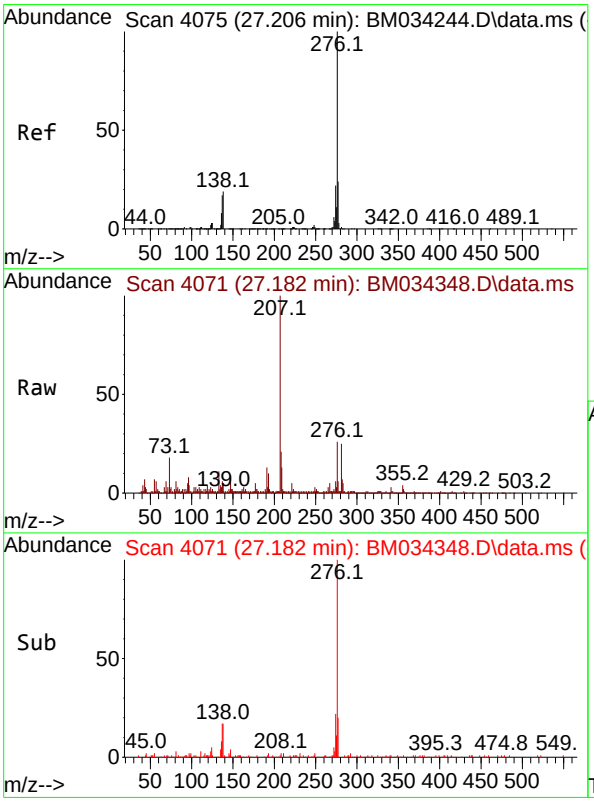

#90
Benzo(a)pyrene
Concen: 4.151 ng
RT: 23.794 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

**Instrument :**
BNA_M
**ClientSampleId :**
C-18-17-18

Tgt Ion:252 Resp: 172878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 12.3 | 7.8 | 11.6# |




#92
Benzo(g,h,i)perylene
Concen: 2.364 ng
RT: 27.182 min Scan# 4071
Delta R.T. -0.018 min
Lab File: BM034348.D
Acq: 23 Mar 2022 20:45

Tgt Ion:276 Resp: 104885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.0 | 28.4 |
| 138 | 18.7 | 15.6 | 23.4 |