Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141729.D
Acq On : 21 Feb 2025 19:43
Operator : RC/JU
Sample : Q1398-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Quant Time: Feb 21 21:51:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 88220 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.063 | 136 | 346685 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.810 | 164 | 166947 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 11.298 | 188 | 233447 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 13.933 | 240 | 182268 | 20.000 | ng | -0.03 |
| 86) Perylene-d12 | 15.374 | 264 | 144701 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.404 | 112 | 571770 | 101.608 | ng | 0.00 |
| 7) Phenol-d6 | 6.422 | 99 | 715010 | 100.531 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 463047 | 69.665 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.604 | 330 | 148044 | 88.276 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 9.133 | 172 | 816127 | 75.315 | ng | -0.02 |
| 79) Terphenyl-d14 | 12.880 | 244 | 719932 | 66.680 | ng | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 71) Phenanthrene | 11.321 | 178 | 142971 | 11.126 | ng | 98 |
| 72) Anthracene | 11.374 | 178 | 41258 | 3.194 | ng | 99 |
| 75) Fluoranthene | 12.510 | 202 | 396307 | 29.089 | ng | 99 |
| 78) Pyrene | 12.739 | 202 | 365391 | 23.549 | ng | 99 |
| 81) Benzo(a)anthracene | 13.921 | 228 | 213886 | 17.653 | ng | 98 |
| 83) Chrysene | 13.957 | 228 | 170662 | 15.255 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.803 | 276 | 60128 | 6.725 | ng | 98 |
| 88) Benzo(b)fluoranthene | 14.962 | 252 | 181747m | 18.706 | ng | |
| 89) Benzo(k)fluoranthene | 14.974 | 252 | 77539m | 9.346 | ng | |
| 90) Benzo(a)pyrene | 15.315 | 252 | 126047 | 16.033 | ng | 96 |
| 91) Dibenzo(a,h)anthracene | 16.809 | 278 | 17206m | 2.375 | ng | |
| 92) Benzo(g,h,i)perylene | 17.233 | 276 | 55537 | 7.326 | ng | 97 |

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

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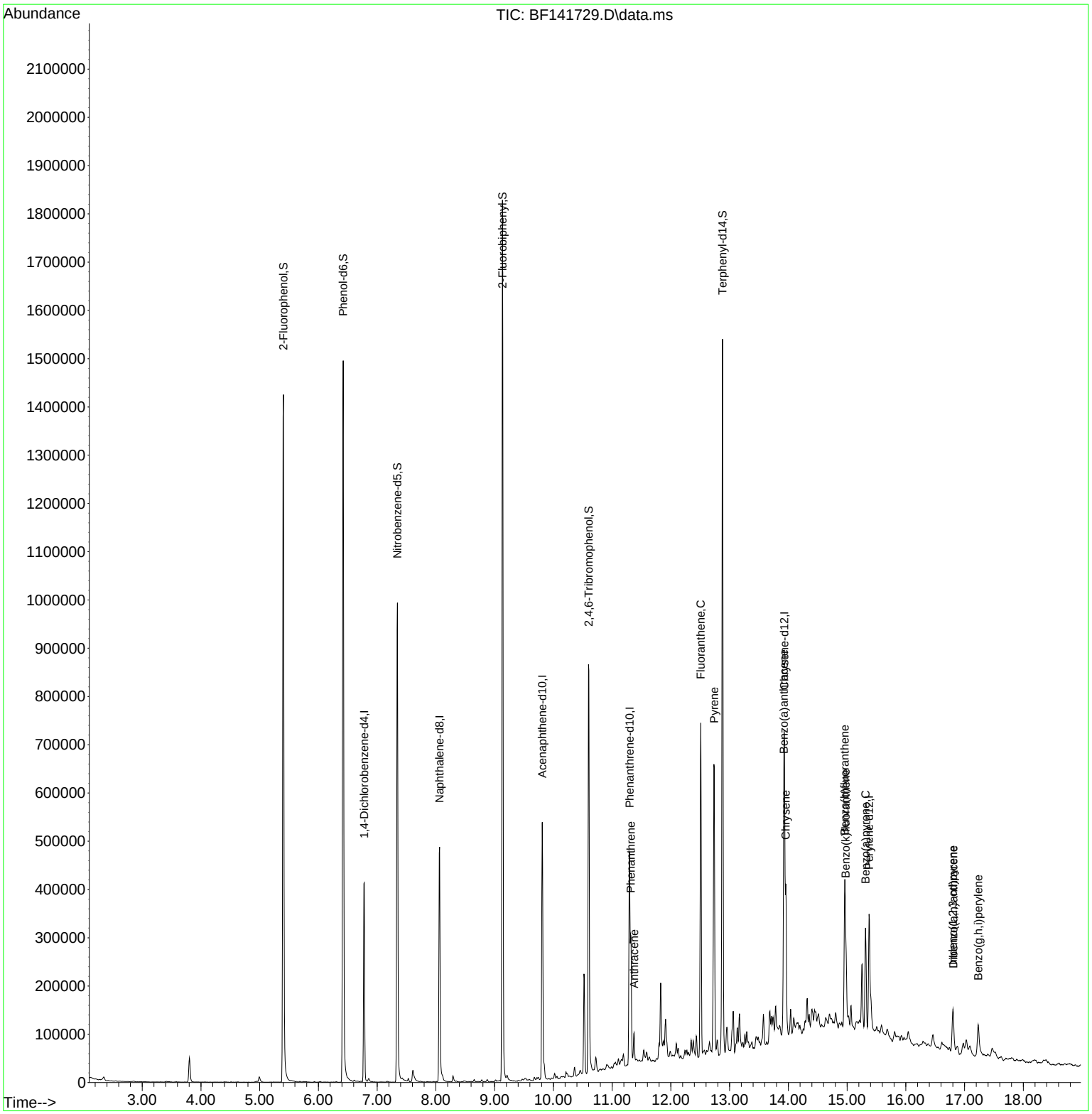
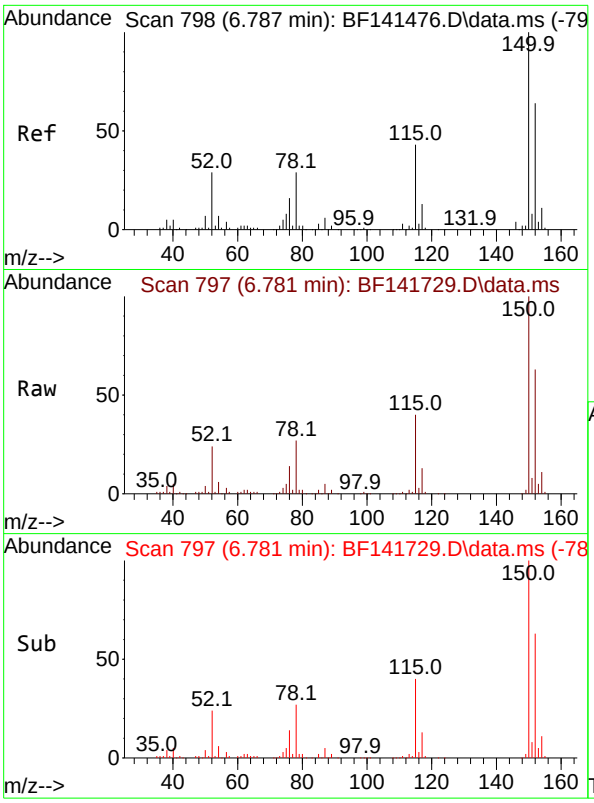
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Quant Time: Feb 21 21:51:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



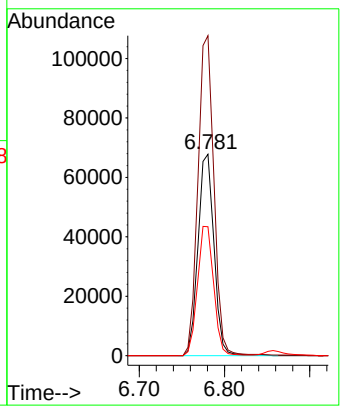


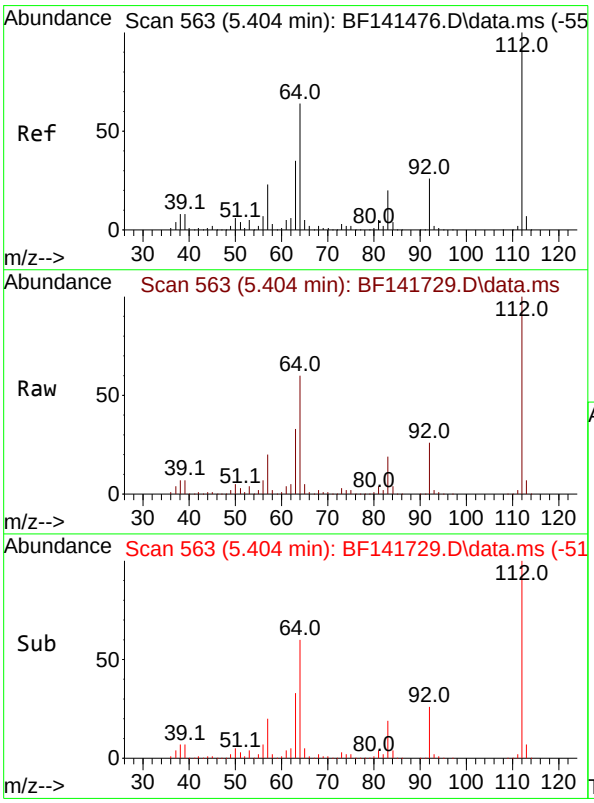

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:152 Resp: 88220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 125.0 | 187.4 |
| 115 | 64.1 | 53.6 | 80.4 |

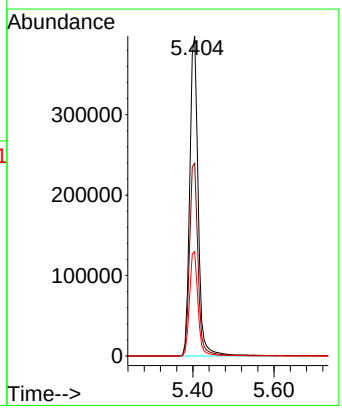


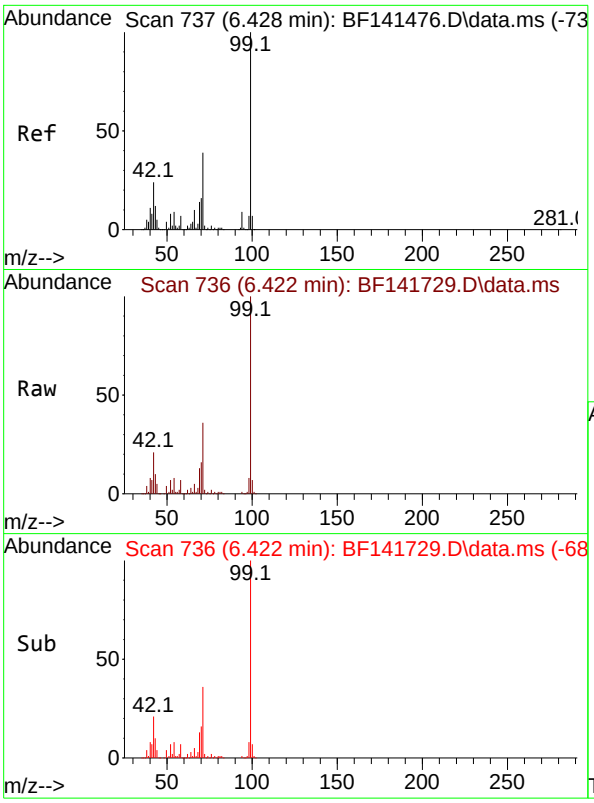




#5
2-Fluorophenol
Concen: 101.608 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:112 Resp: 571770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 51.1 | 76.7 |
| 63 | 32.6 | 28.4 | 42.6 |



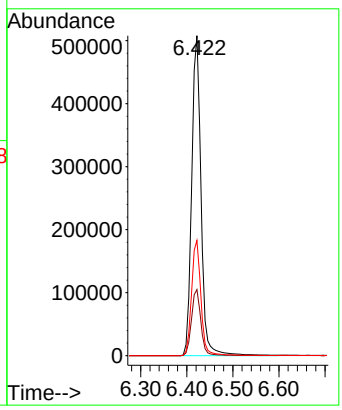


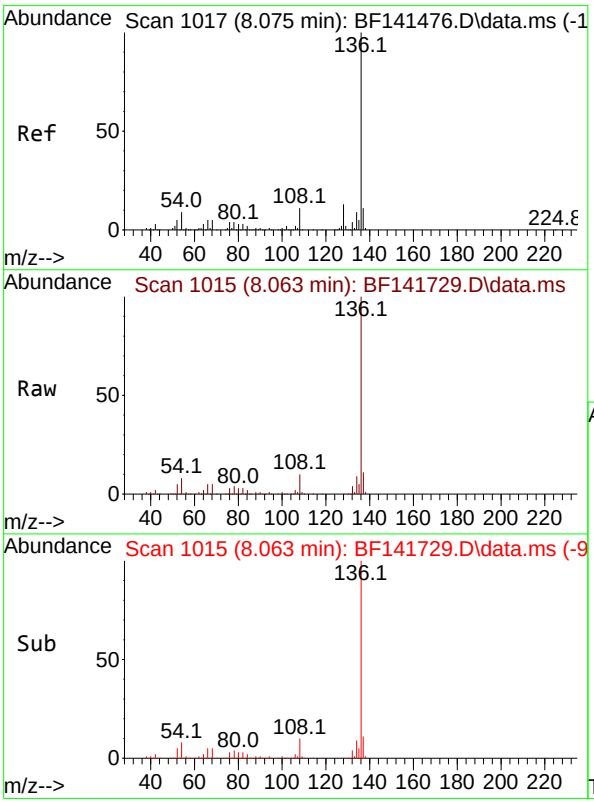

#7
Phenol-d6
Concen: 100.531 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion: 99 Resp: 715010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.7 | 19.1 | 28.7 |
| 71 | 36.0 | 31.1 | 46.7 |

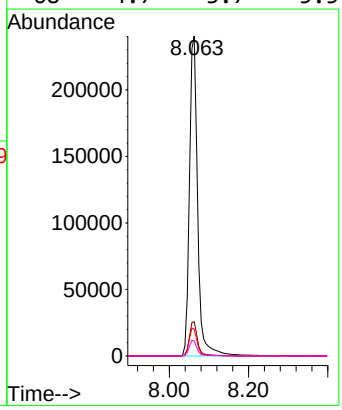


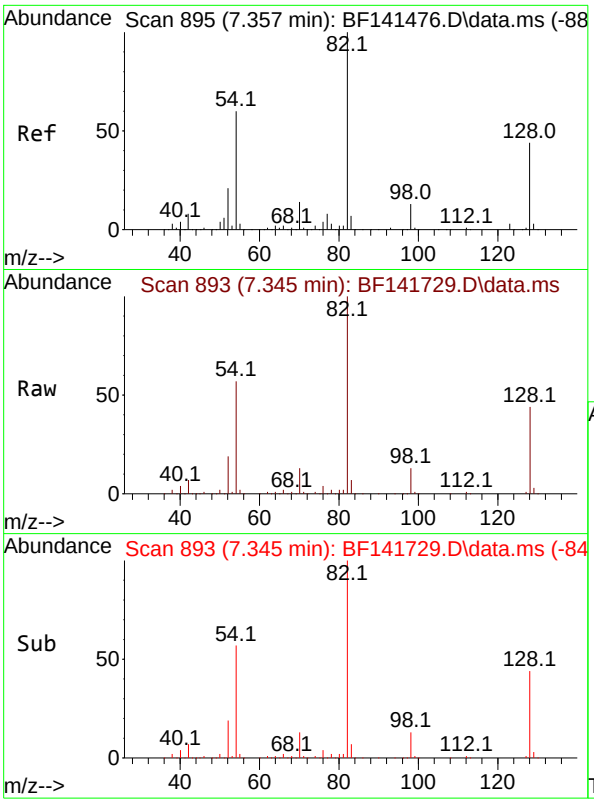




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:136 Resp: 346685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 13.0 |
| 54 | 8.4 | 7.2 | 10.8 |
| 68 | 4.7 | 3.7 | 5.5 |



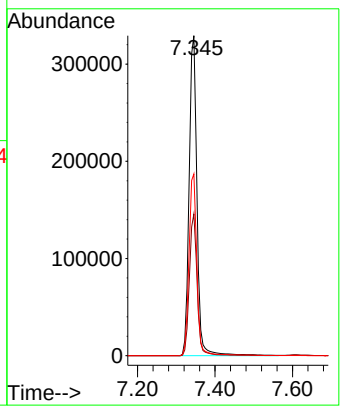


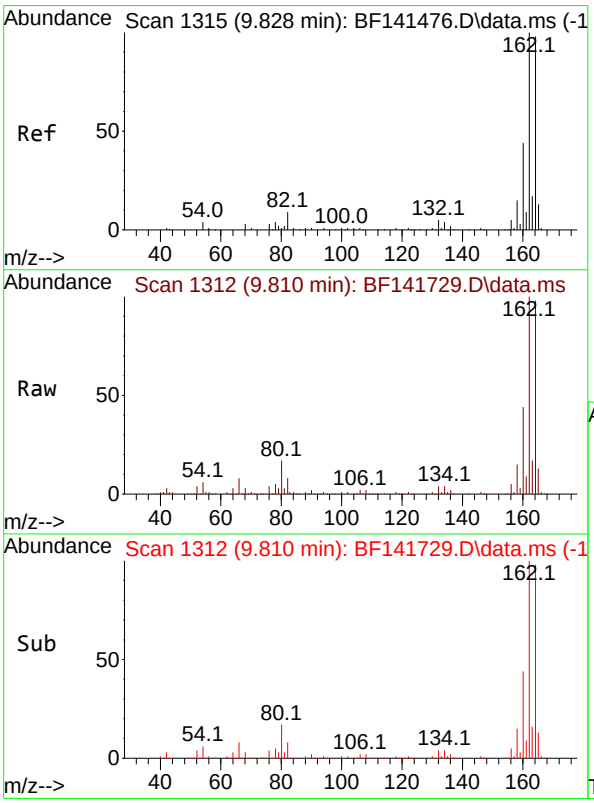

#23
Nitrobenzene-d5
Concen: 69.665 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion: 82 Resp: 463047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.3 | 34.8 | 52.2 |
| 54 | 56.8 | 48.2 | 72.4 |

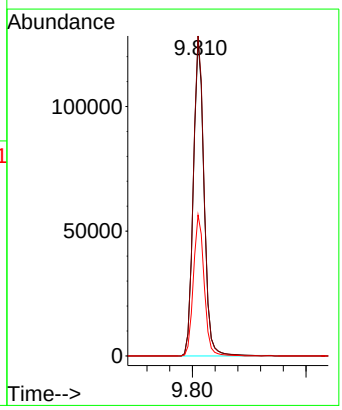


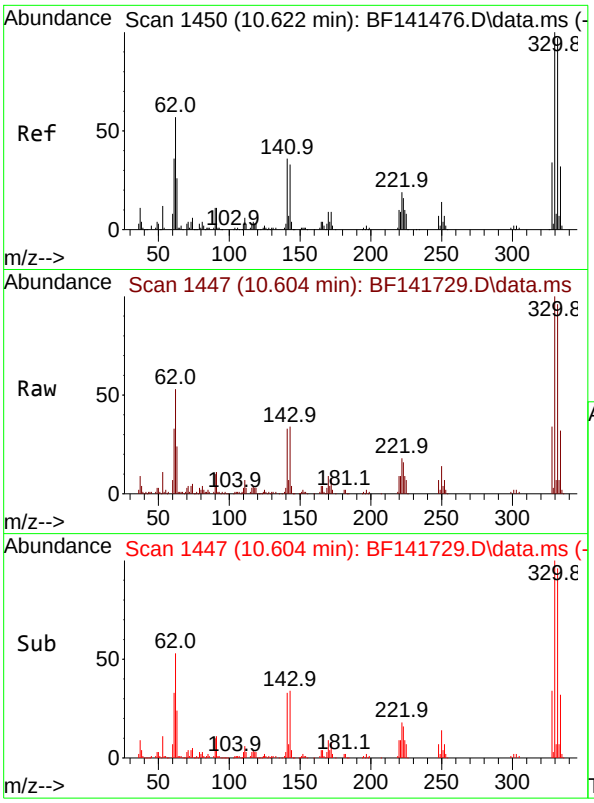




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:164 Resp: 166947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.3 | 121.9 |
| 160 | 44.7 | 35.9 | 53.9 |



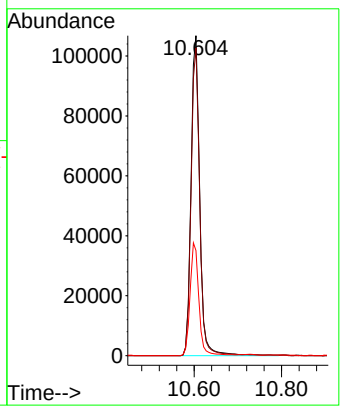


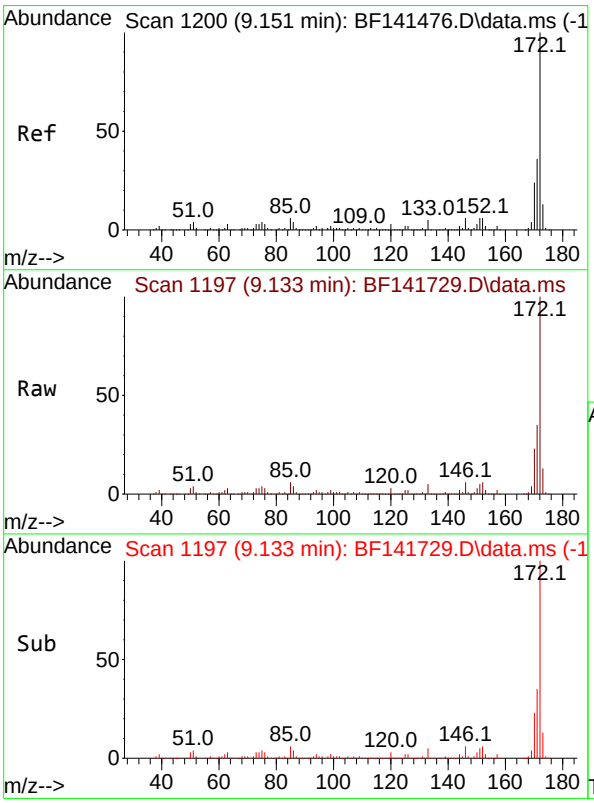

#42
2,4,6-Tribromophenol
Concen: 88.276 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:330 Resp: 148044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 78.5 | 117.7 |
| 141 | 35.7 | 31.0 | 46.4 |

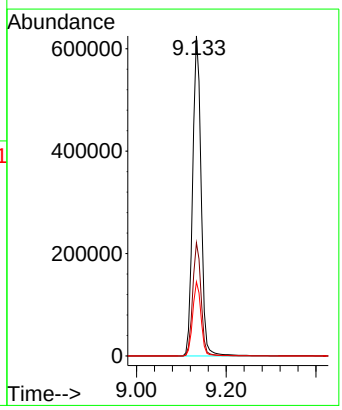


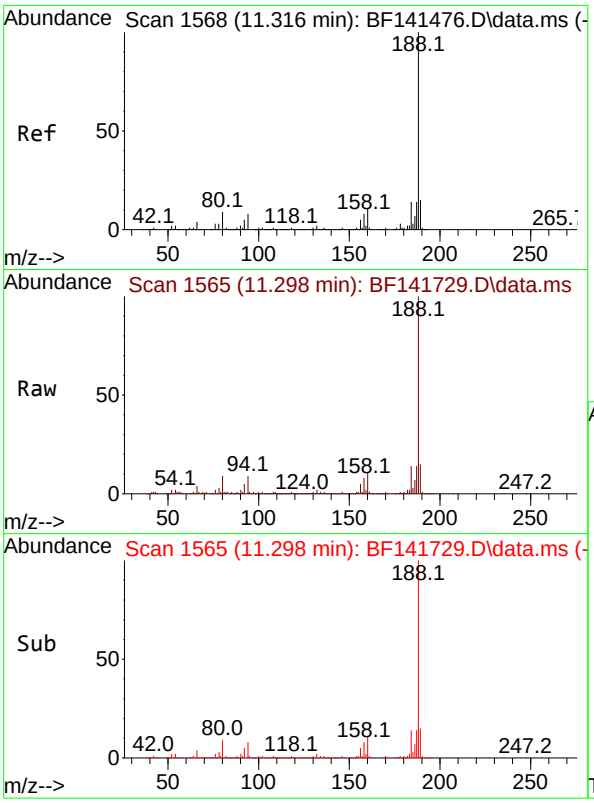




#45
2-Fluorobiphenyl
Concen: 75.315 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:172 Resp: 816127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.7 | 43.1 |
| 170 | 23.1 | 18.9 | 28.3 |



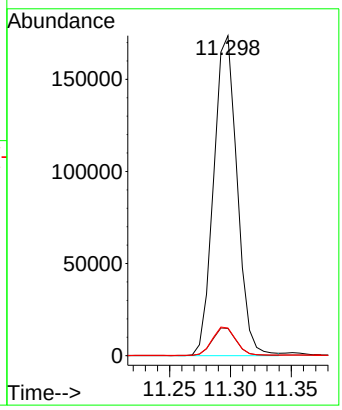


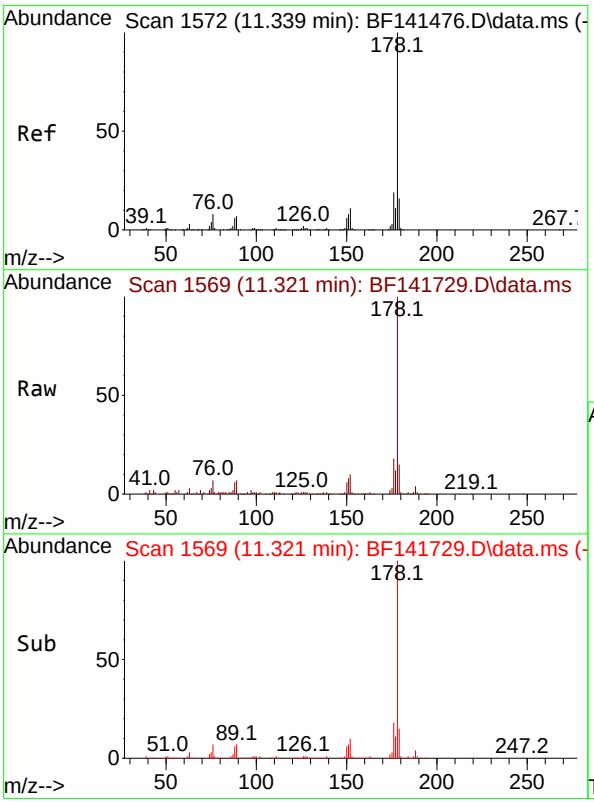

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:188 Resp: 233447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.6 | 10.0 |
| 80 | 8.7 | 7.3 | 10.9 |

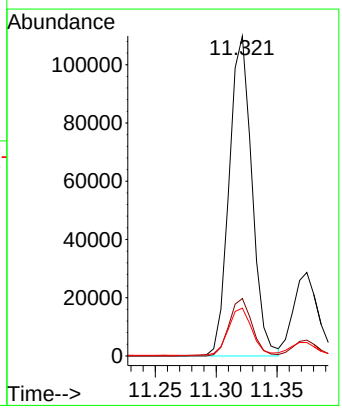


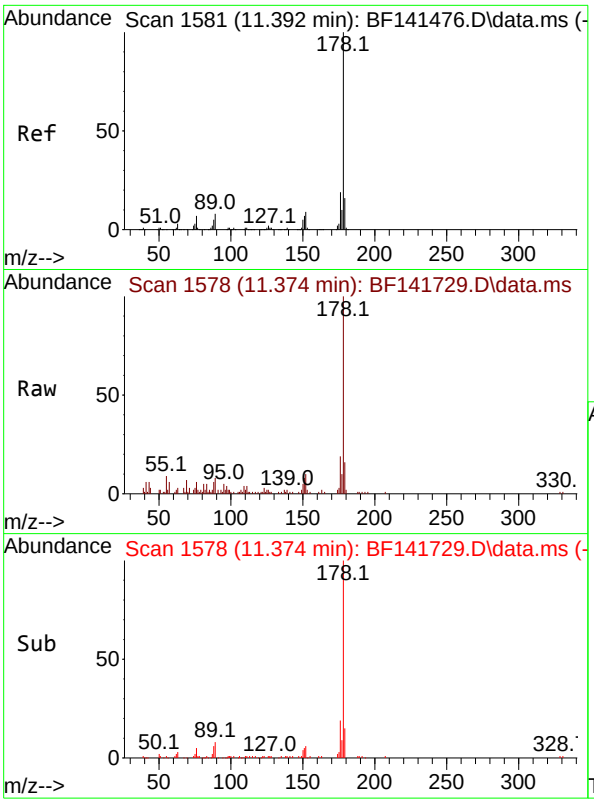




#71
Phenanthrene
Concen: 11.126 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:178 Resp: 142971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 15.4 | 23.0 |
| 179 | 15.0 | 12.4 | 18.6 |



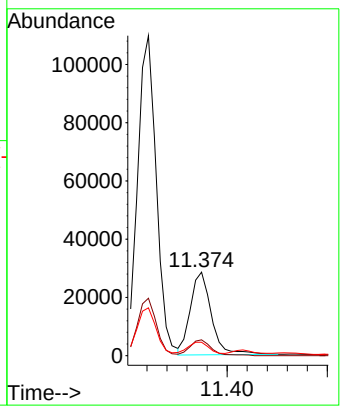


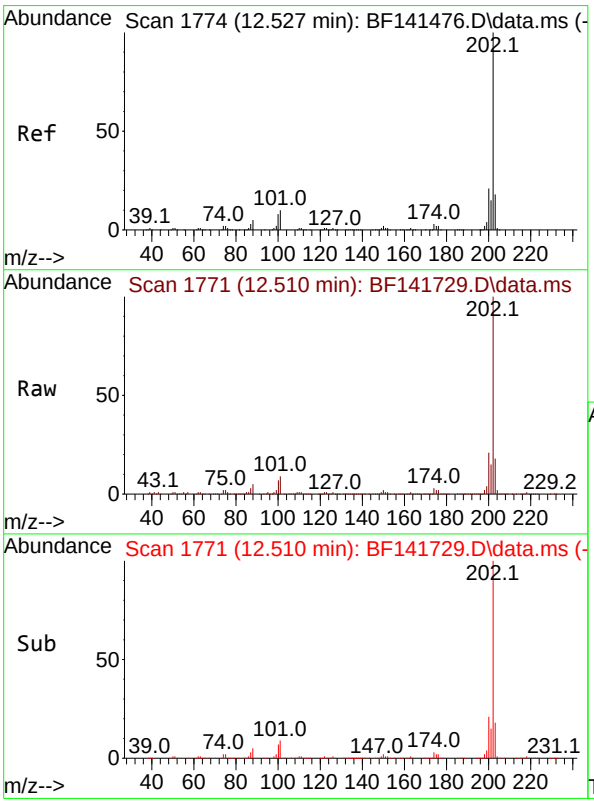

#72
Anthracene
Concen: 3.194 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:178 Resp: 41258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.8 | 22.2 |
| 179 | 16.0 | 12.4 | 18.6 |

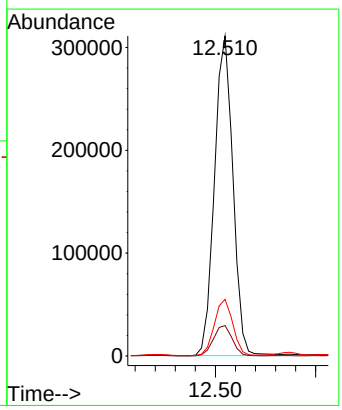


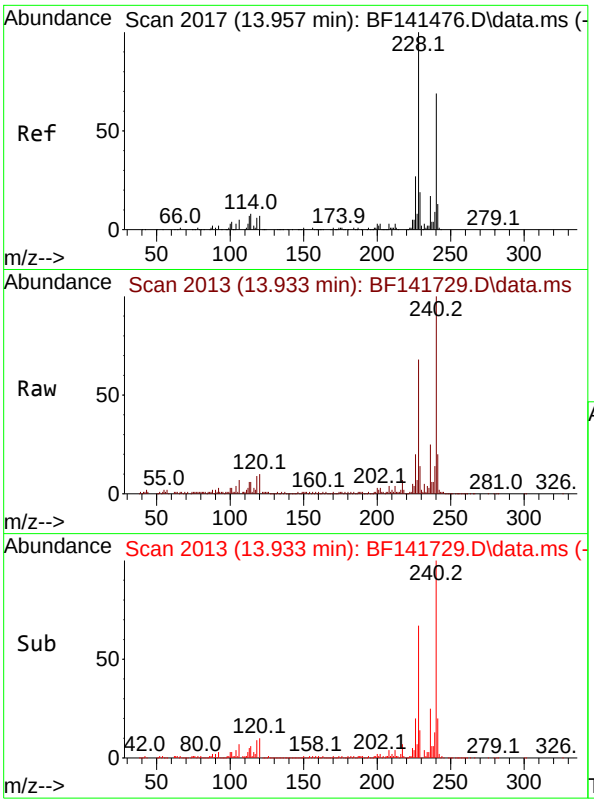




#75
Fluoranthene
Concen: 29.089 ng
RT: 12.510 min Scan# 1771
Delta R.T. -0.023 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:202 Resp: 396307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 30.2 |
| 203 | 17.7 | 0.0 | 37.6 |



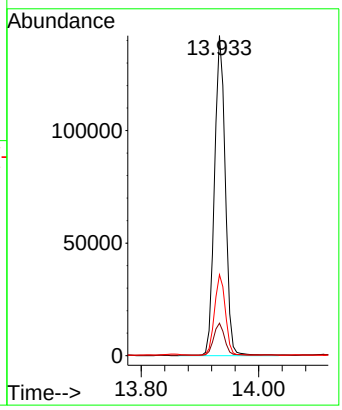


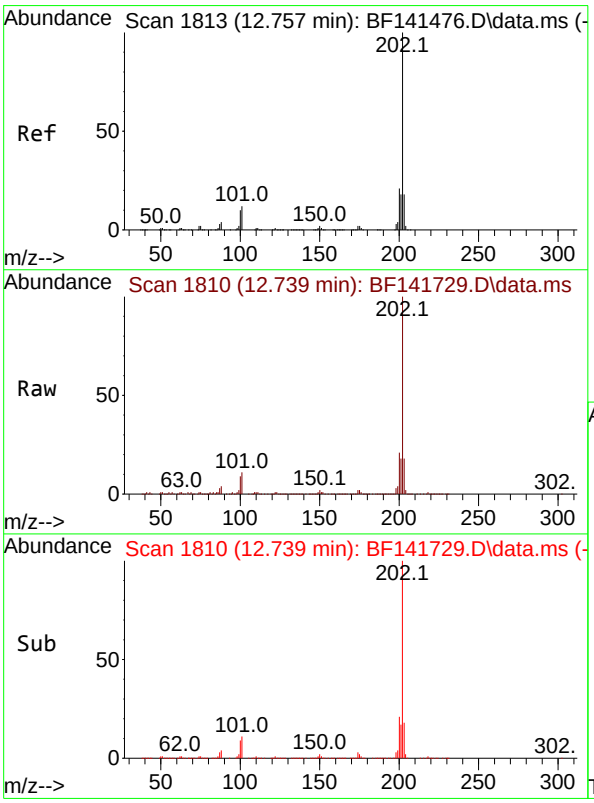

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:240 Resp: 182268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.0 | 12.0 |
| 236 | 25.3 | 19.8 | 29.8 |

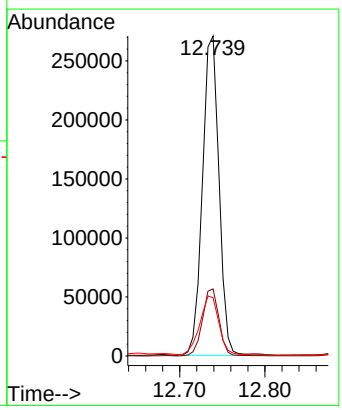


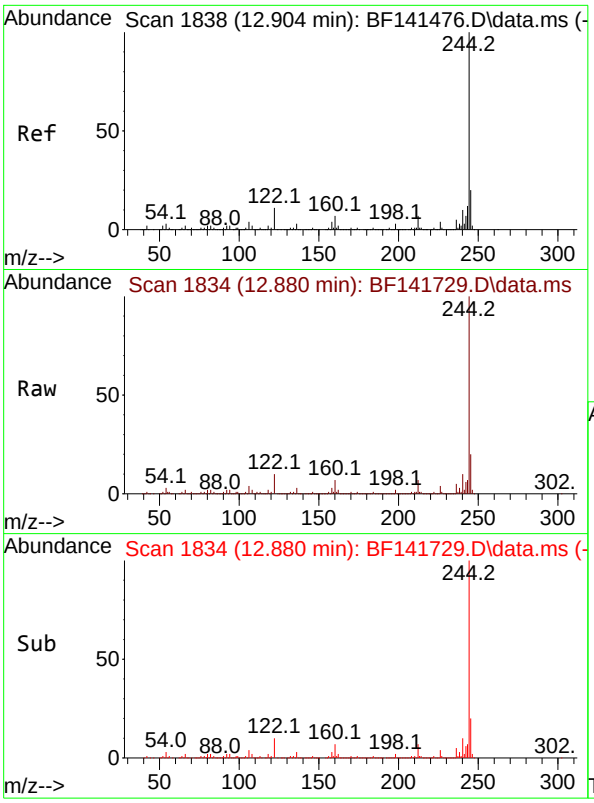




#78
Pyrene
Concen: 23.549 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:202 Resp: 365391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.0 | 25.4 |
| 203 | 18.2 | 14.3 | 21.5 |



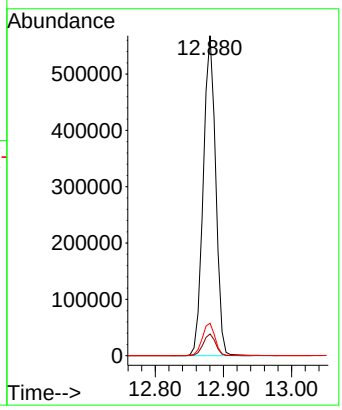


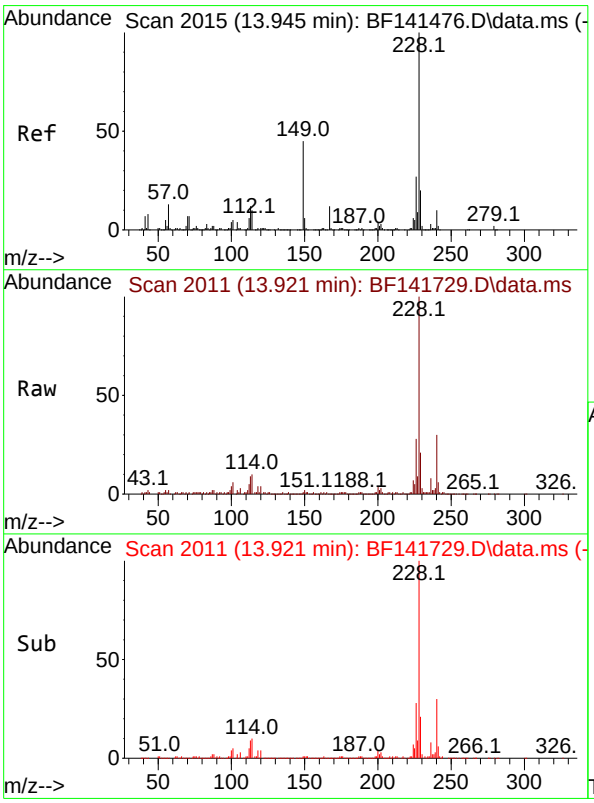

#79
Terphenyl-d14
Concen: 66.680 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:244 Resp: 719932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 10.2 | 8.4 | 12.6 |

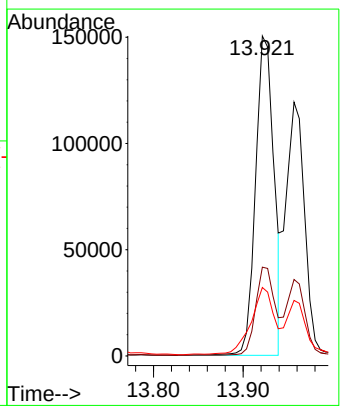


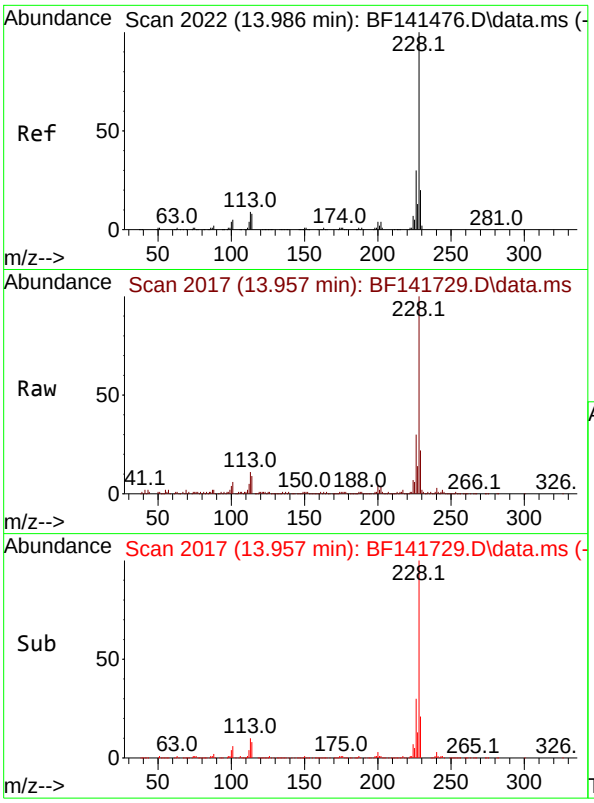




#81
Benzo(a)anthracene
Concen: 17.653 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.029 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:228 Resp: 213886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 21.8 | 32.8 |
| 229 | 21.4 | 15.8 | 23.6 |



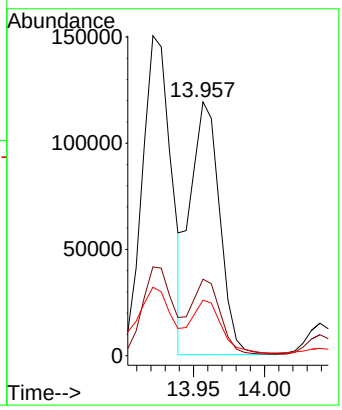


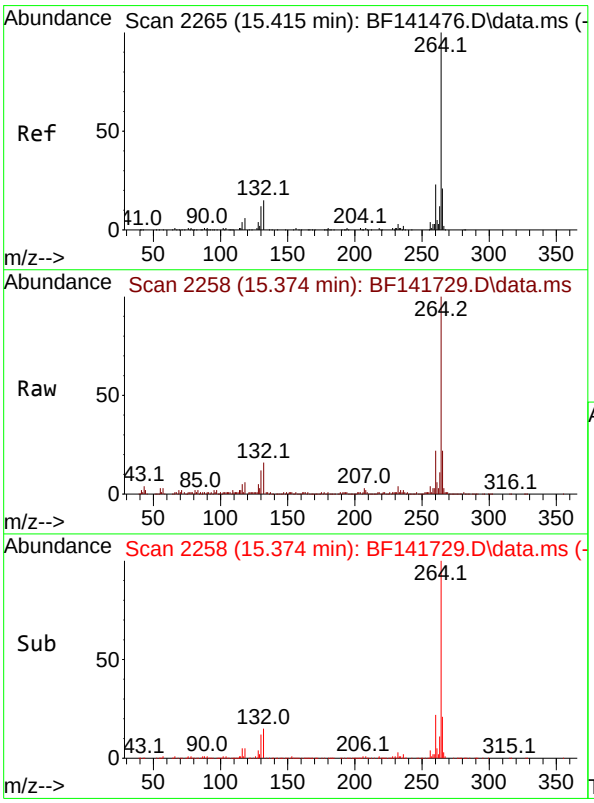

#83
Chrysene
Concen: 15.255 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:228 Resp: 170662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 21.9 | 15.7 | 23.5 |

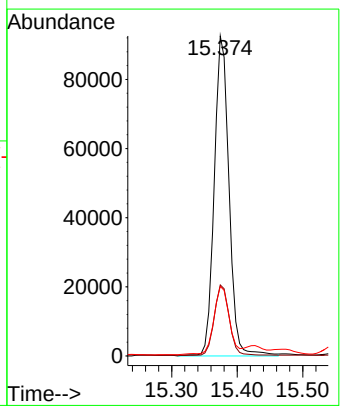


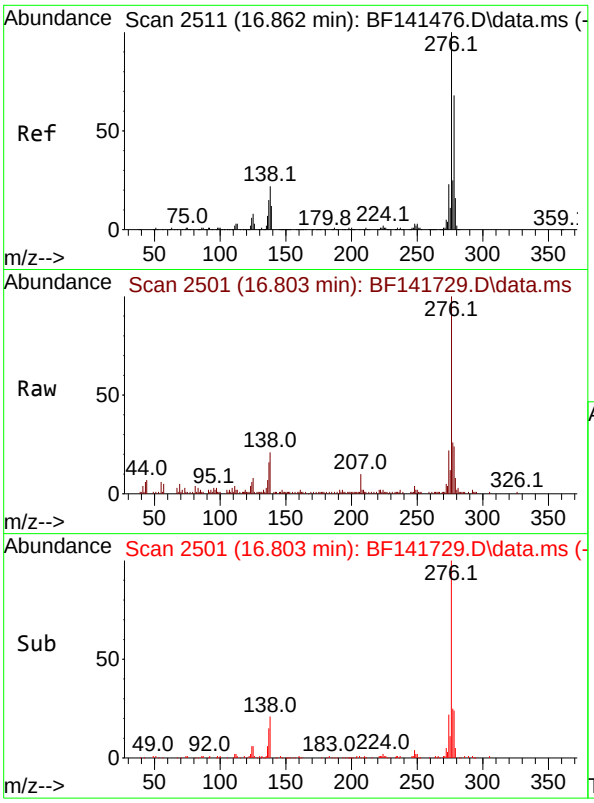




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.041 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:264 Resp: 144701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 18.6 | 28.0 |
| 265 | 21.8 | 17.0 | 25.4 |



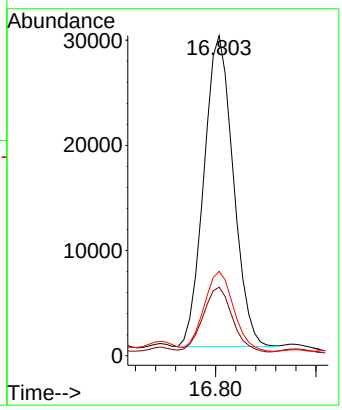


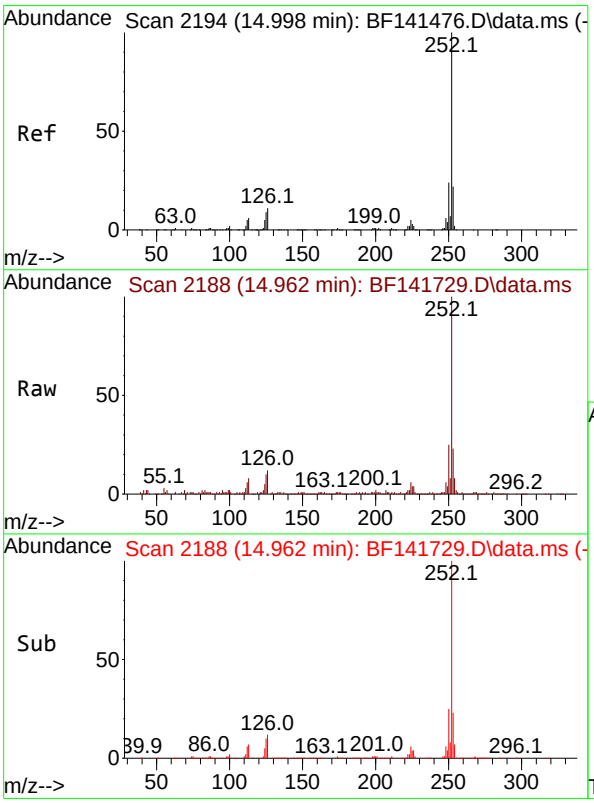

#87
Indeno(1,2,3-cd)pyrene
Concen: 6.725 ng
RT: 16.803 min Scan# 2
Delta R.T. -0.071 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:276 Resp: 60128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 18.0 | 27.0 |
| 277 | 26.1 | 20.4 | 30.6 |

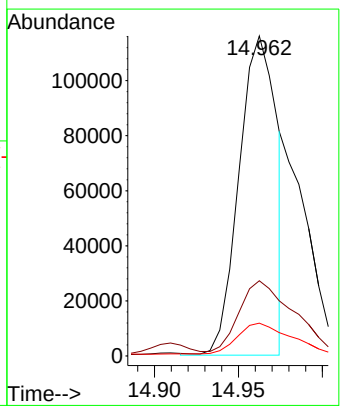


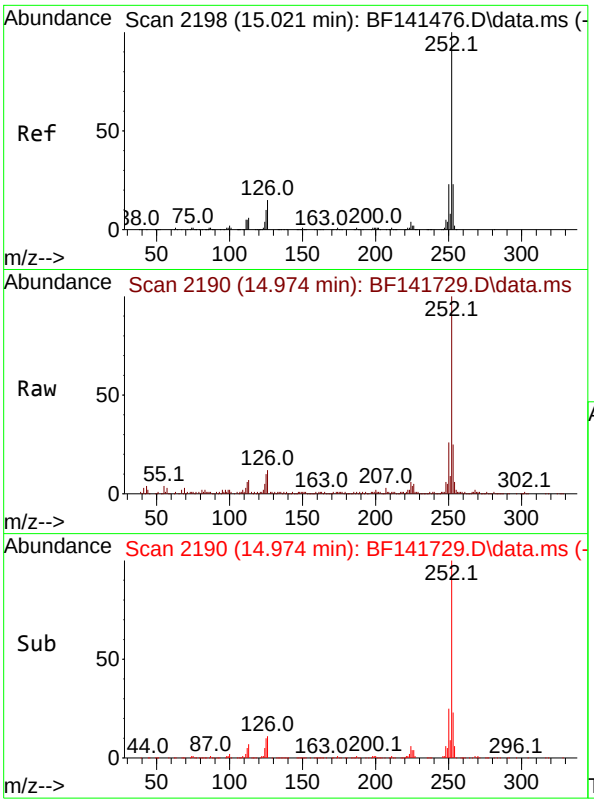




#88
Benzo(b)fluoranthene
Concen: 18.706 ng m
RT: 14.962 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:252 Resp: 181747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.5 | 26.3 |
| 125 | 10.3 | 7.0 | 10.6 |



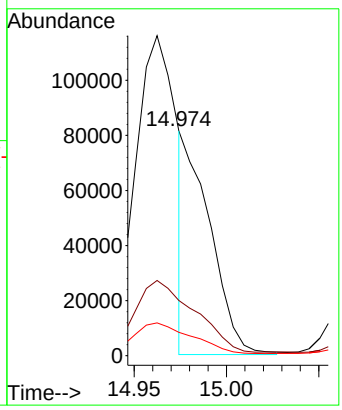


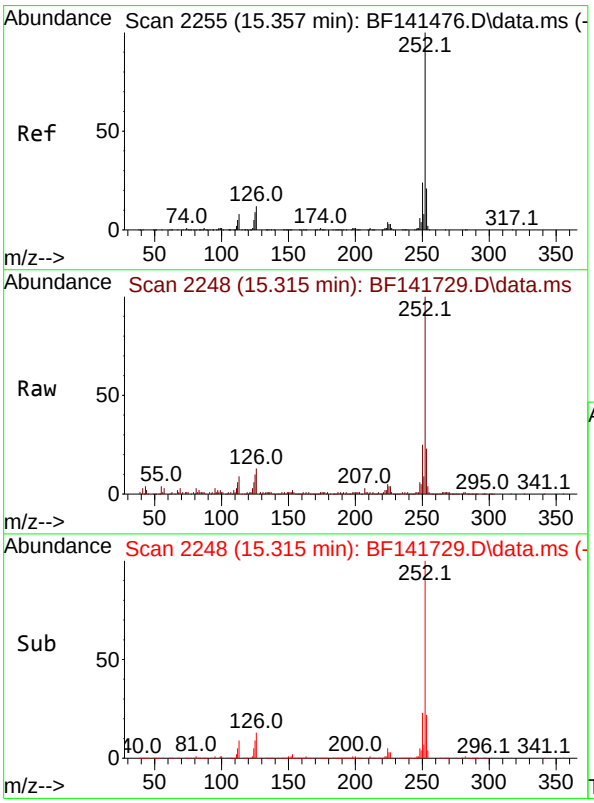

#89
Benzo(k)fluoranthene
Concen: 9.346 ng m
RT: 14.974 min Scan# 21
Delta R.T. -0.059 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:252 Resp: 77539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 18.0 | 27.0 |
| 125 | 10.4 | 7.4 | 11.0 |

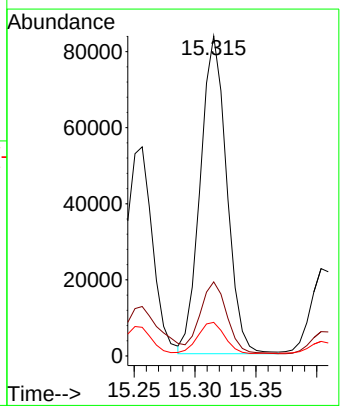


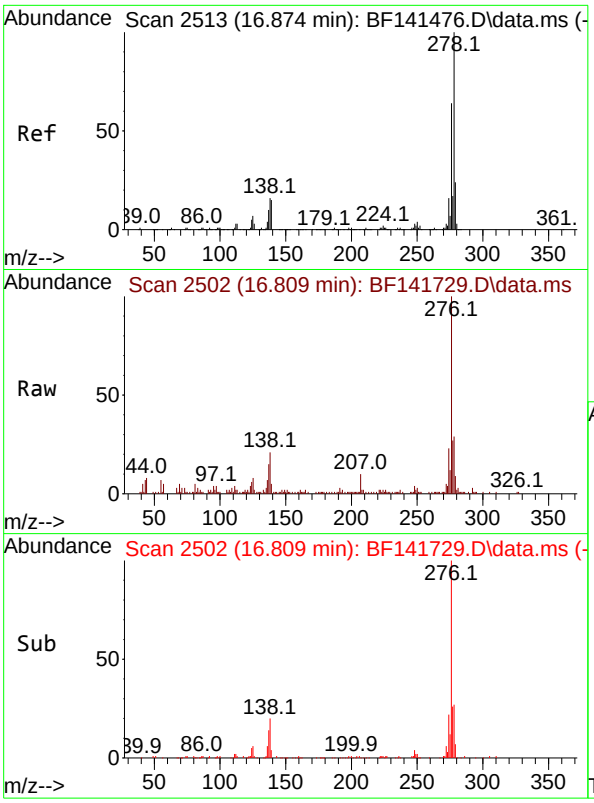




#90
Benzo(a)pyrene
Concen: 16.033 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:252 Resp: 126047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.1 | 25.7 |
| 125 | 10.5 | 7.4 | 11.2 |



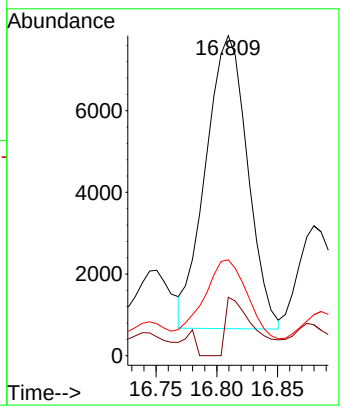


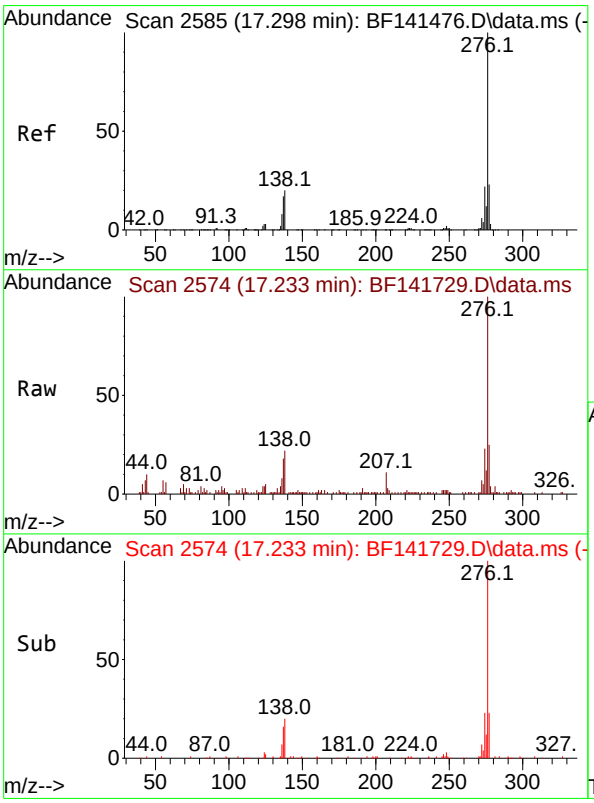

#91
Dibenzo(a,h)anthracene
Concen: 2.375 ng m
RT: 16.809 min Scan# 2
Delta R.T. -0.082 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

**Instrument :**
BNA_F
**ClientSampleId :**
HANDHOLD

Tgt Ion:278 Resp: 17206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.2 | 11.8 | 17.6# |
| 279 | 29.9 | 19.1 | 28.7# |




#92
Benzo(g,h,i)perylene
Concen: 7.326 ng
RT: 17.233 min Scan# 2574
Delta R.T. -0.082 min
Lab File: BF141729.D
Acq: 21 Feb 2025 19:43

Tgt Ion:276 Resp: 55537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 18.6 | 28.0 |
| 138 | 21.7 | 15.9 | 23.9 |