Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143943.D
Acq On : 13 Oct 2025 20:25
Operator : RC/JU
Sample : Q3326-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Quant Time: Oct 14 01:31:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

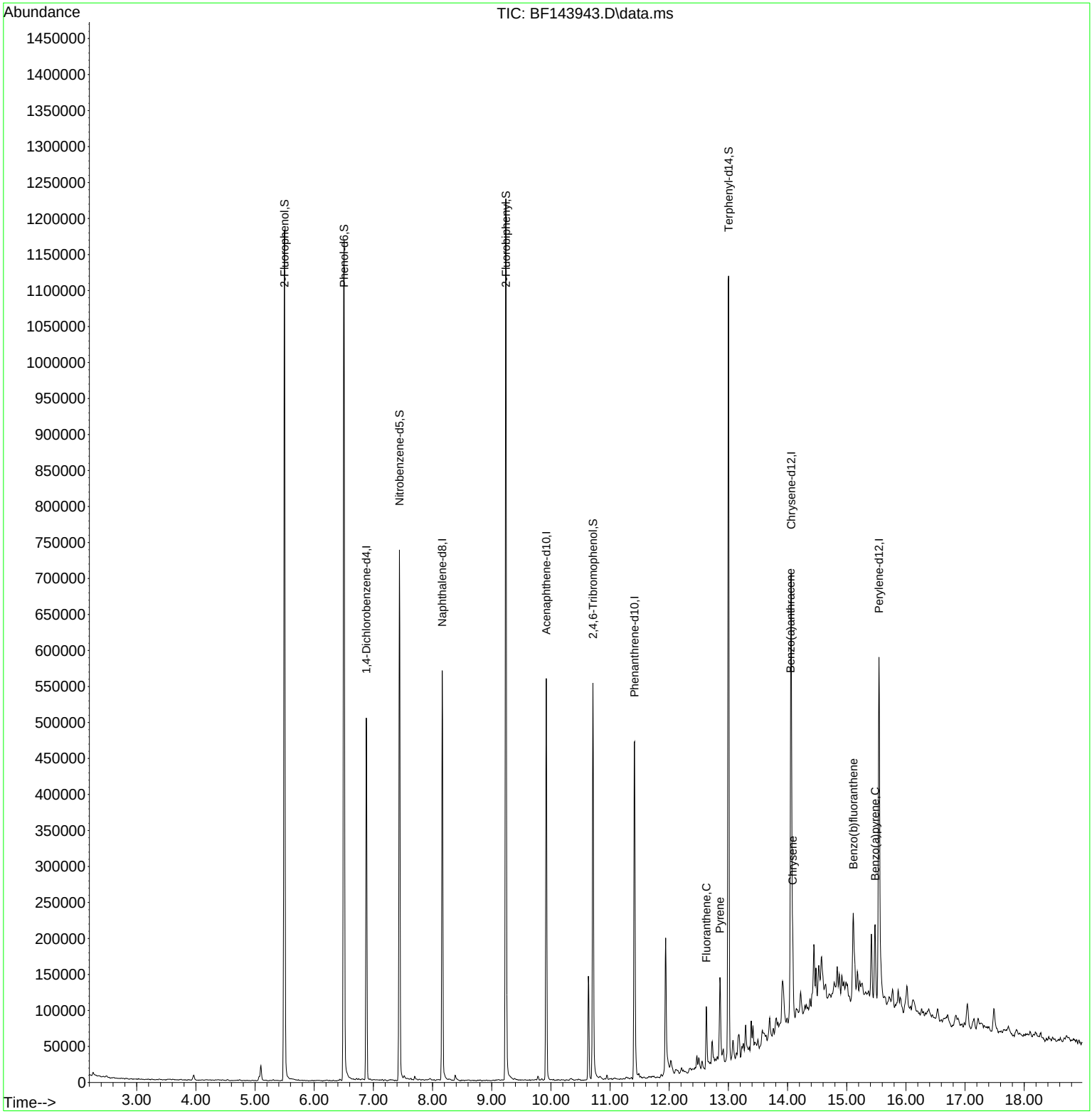
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 101221 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 360509 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 168455 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 260728 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 277151 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 299567 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 462201 | 72.512 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 525747 | 69.198 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 309466 | 52.153 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 100188 | 59.712 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 571860 | 53.866 | ng | | -0.01 |
| 79) Terphenyl-d14 | 13.004 | 244 | 572674 | 35.314 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 75) Fluoranthene | 12.627 | 202 | 45346 | 3.473 | ng | | 97 |
| 78) Pyrene | 12.857 | 202 | 68502 | 2.965 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 70729 | 3.900 | ng | # | 90 |
| 83) Chrysene | 14.086 | 228 | 63502 | 3.783 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 76783m | 4.462 | ng | | |
| 90) Benzo(a)pyrene | 15.480 | 252 | 67268 | 4.508 | ng | # | 97 |

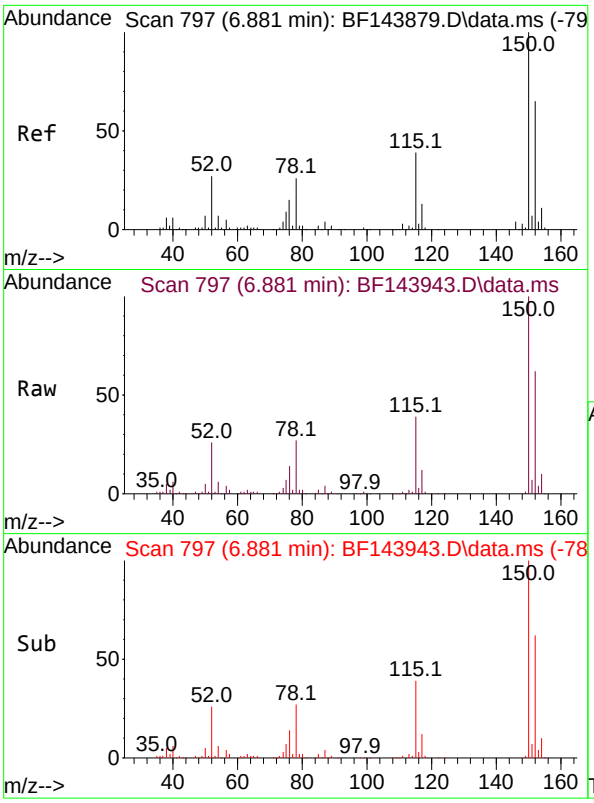
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143943.D
Acq On : 13 Oct 2025 20:25
Operator : RC/JU
Sample : Q3326-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Quant Time: Oct 14 01:31:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



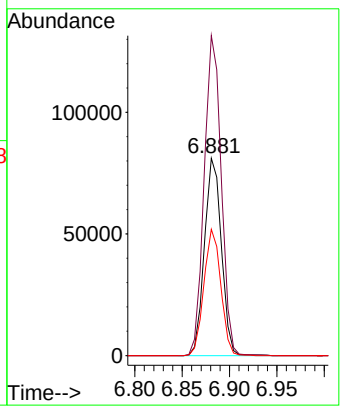


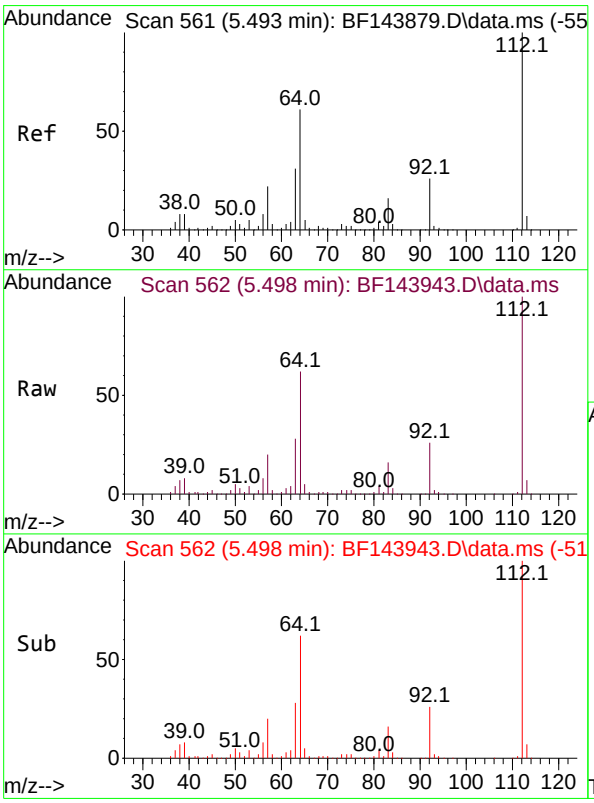

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:152 Resp: 101221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.2 | 124.4 | 186.6 |
| 115 | 64.0 | 48.1 | 72.1 |

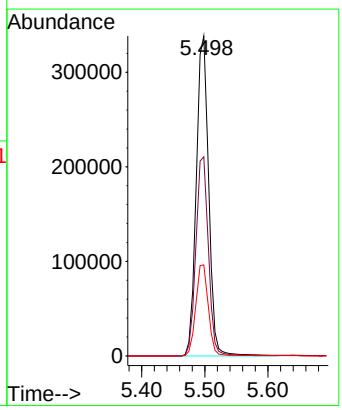


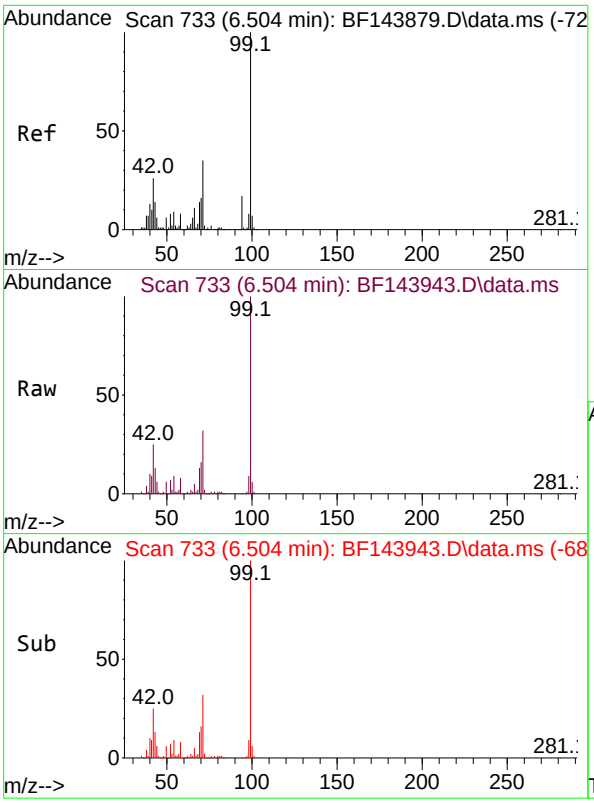




#5
2-Fluorophenol
Concen: 72.512 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:112 Resp: 462201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.2 | 49.1 | 73.7 |
| 63 | 28.4 | 24.5 | 36.7 |



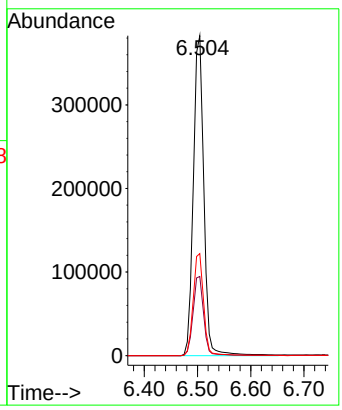


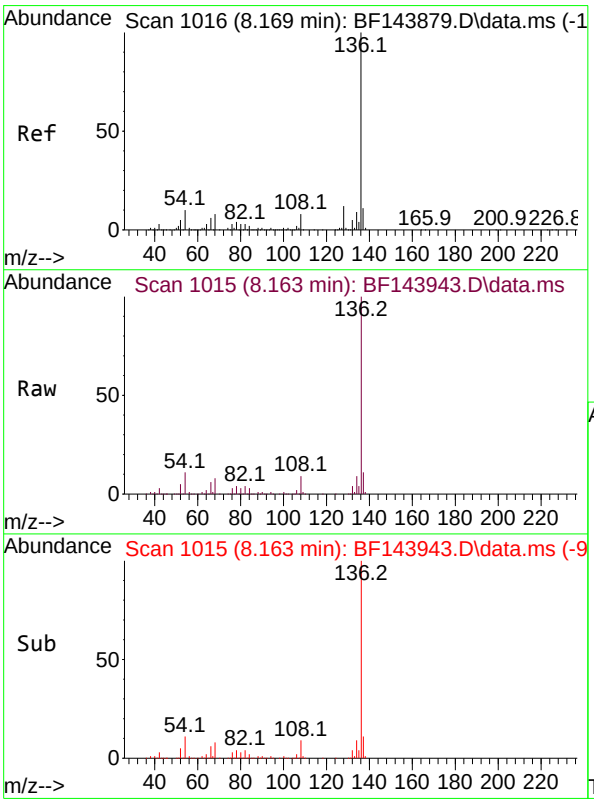

#7
Phenol-d6
Concen: 69.198 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion: 99 Resp: 525747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.7 | 21.0 | 31.4 |
| 71 | 31.9 | 27.8 | 41.8 |

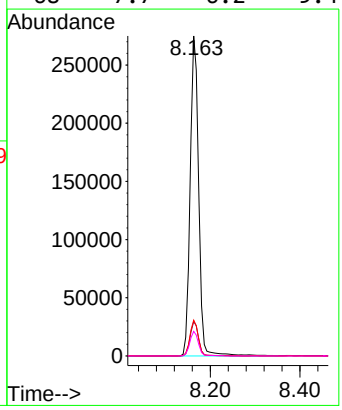


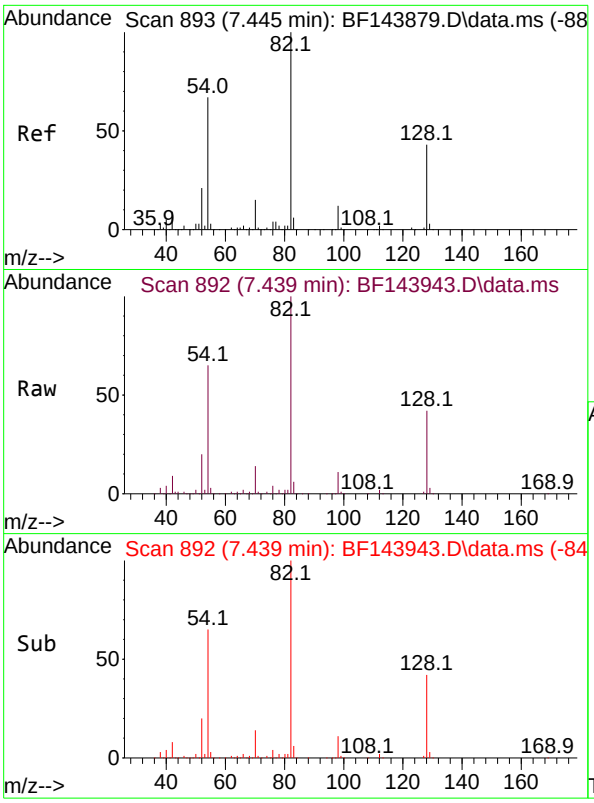




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:136 Resp: 360509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.5 | 12.7 |
| 54 | 11.2 | 8.2 | 12.4 |
| 68 | 7.7 | 6.2 | 9.4 |



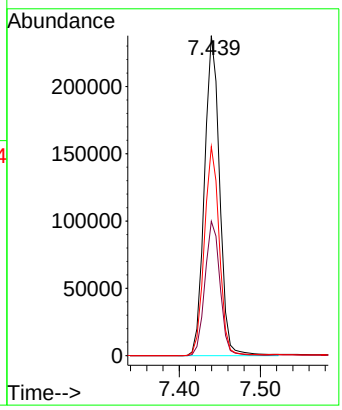


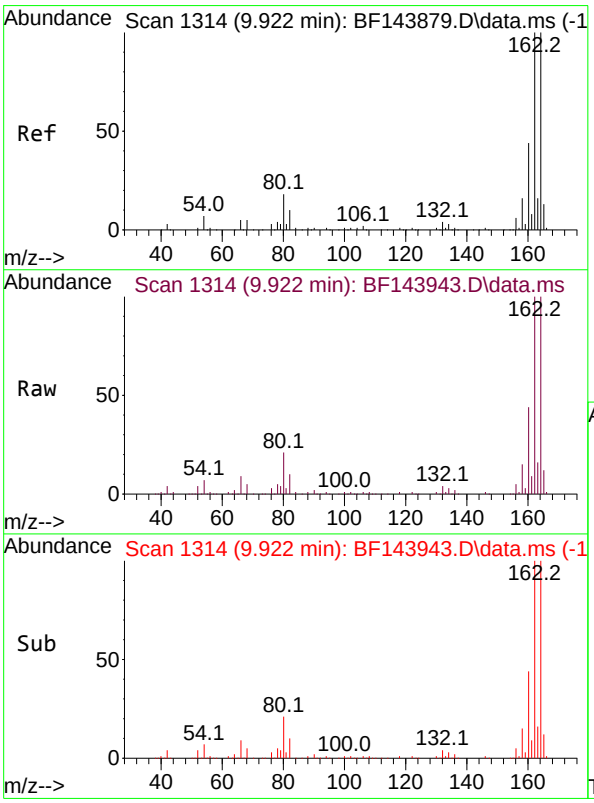

#23
Nitrobenzene-d5
Concen: 52.153 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion: 82 Resp: 309466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 34.0 | 51.0 |
| 54 | 65.3 | 53.2 | 79.8 |

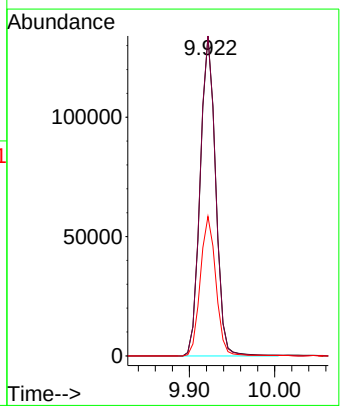


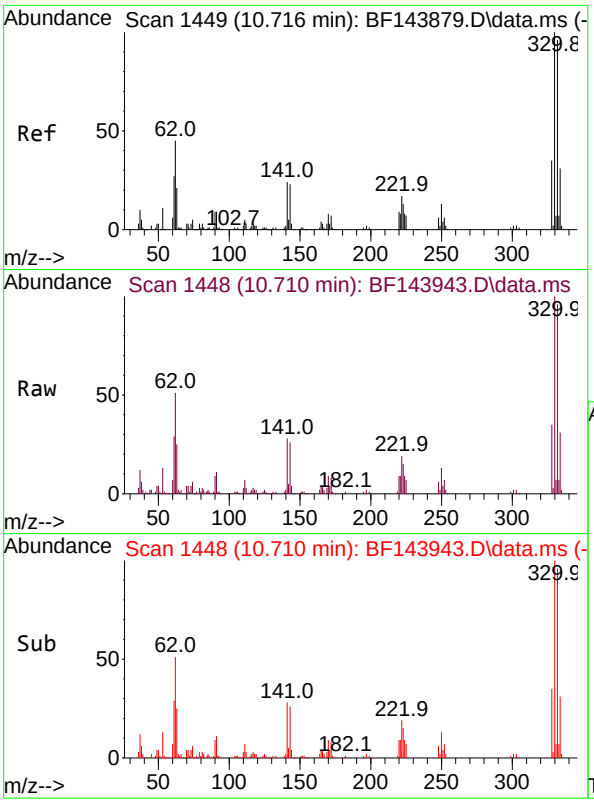




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:164 Resp: 168455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.2 | 120.2 |
| 160 | 43.7 | 35.4 | 53.0 |



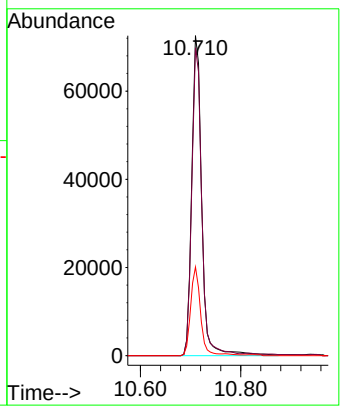


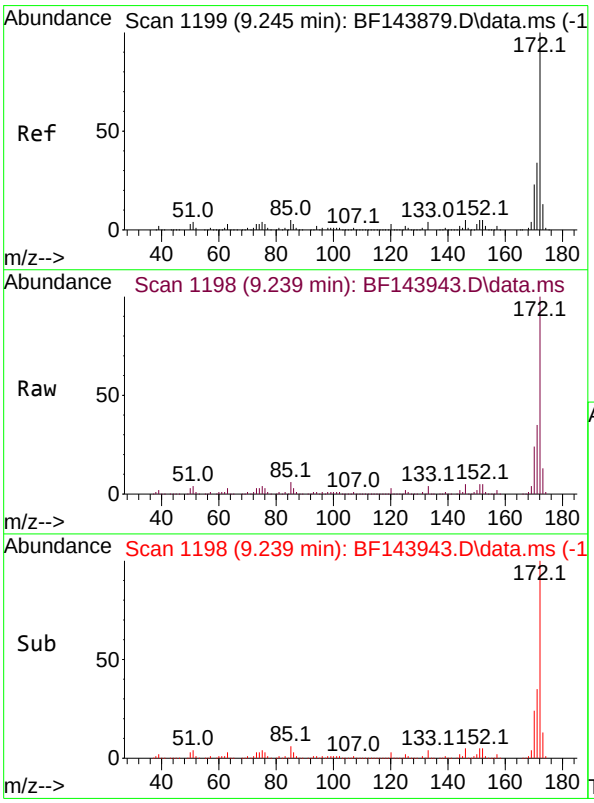

#42
2,4,6-Tribromophenol
Concen: 59.712 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:330 Resp: 100188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 76.9 | 115.3 |
| 141 | 26.9 | 20.2 | 30.4 |

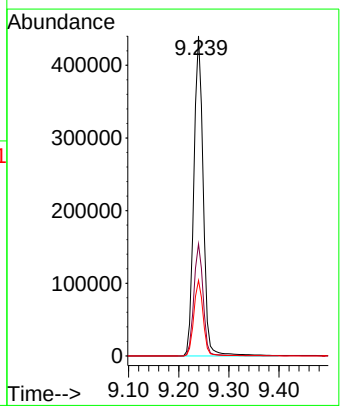


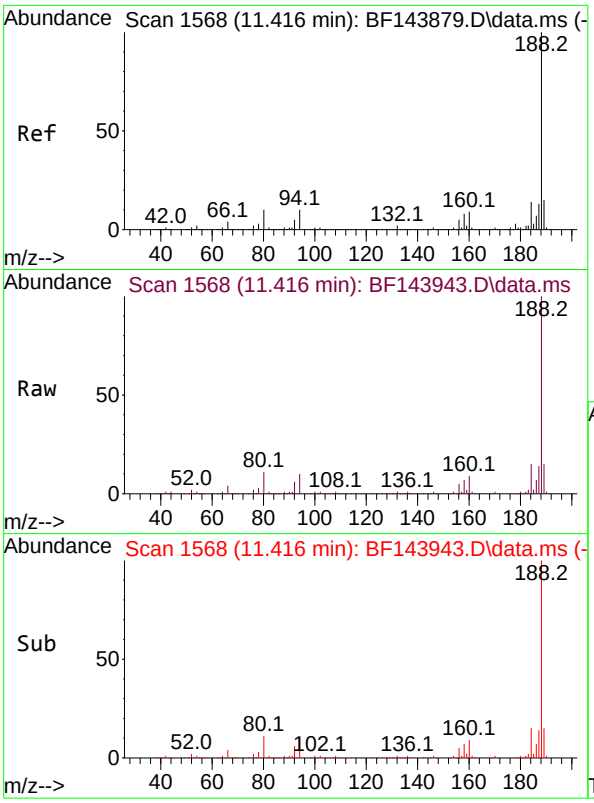




#45
2-Fluorobiphenyl
Concen: 53.866 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:172 Resp: 571860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 27.4 | 41.0 |
| 170 | 23.6 | 18.6 | 28.0 |



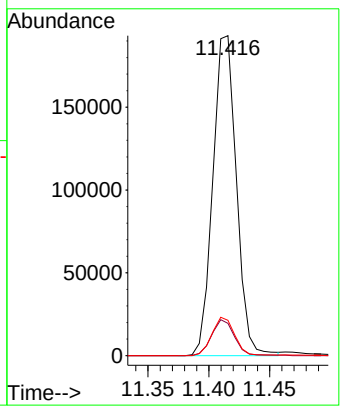


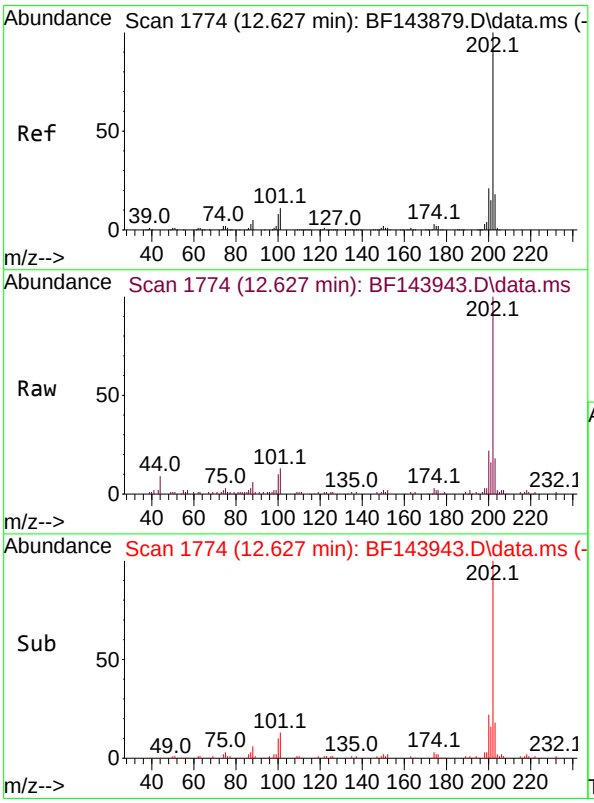

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:188 Resp: 260728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 7.8 | 11.6 |
| 80 | 11.0 | 7.9 | 11.9 |

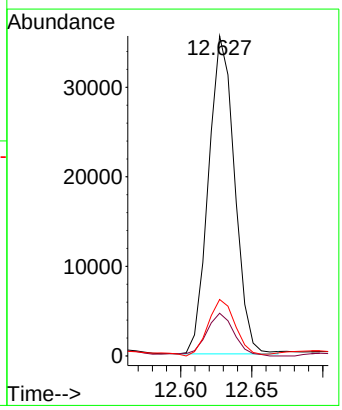


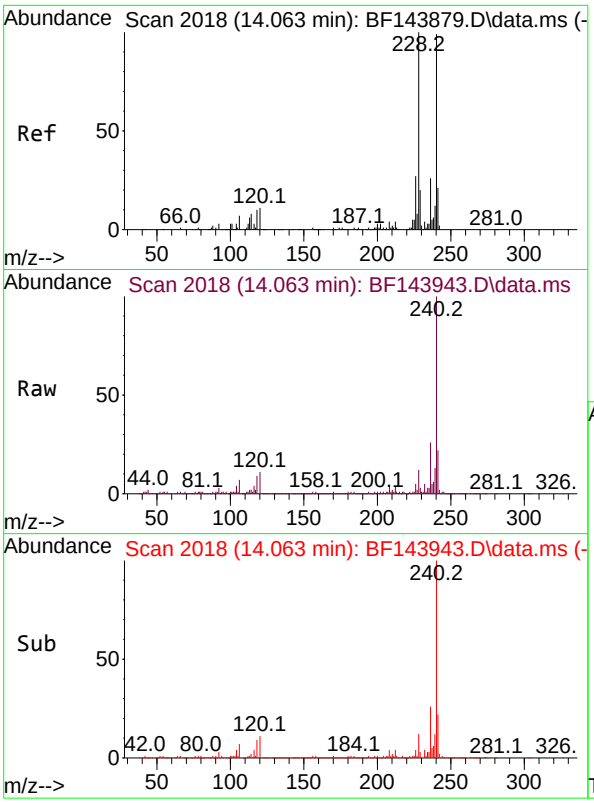




#75
Fluoranthene
Concen: 3.473 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:202 Resp: 45346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.3 | 0.0 | 30.7 |
| 203 | 17.6 | 0.0 | 37.8 |



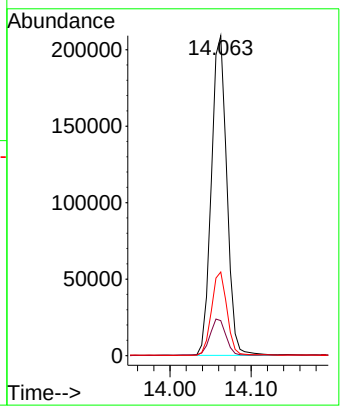


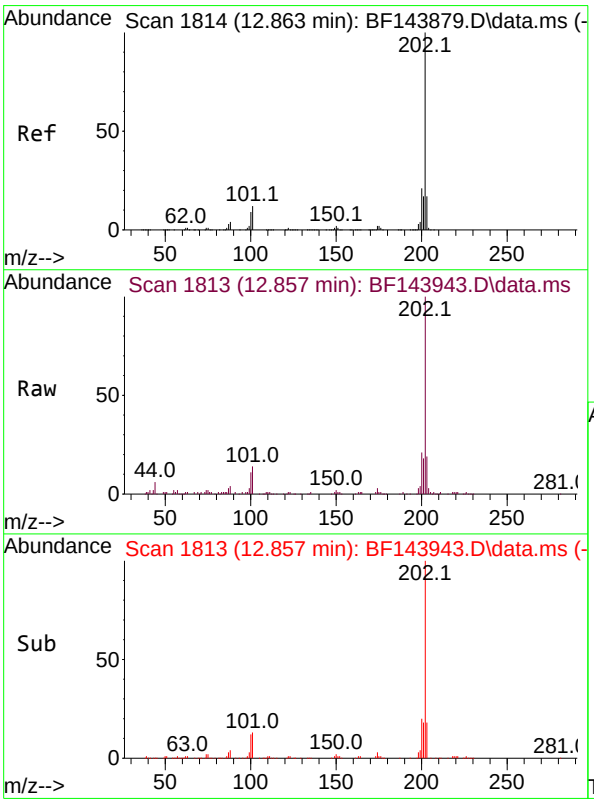

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.005 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:240 Resp: 277151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 8.6 | 13.0 |
| 236 | 26.1 | 21.1 | 31.7 |

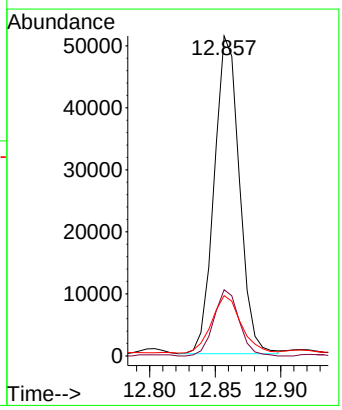


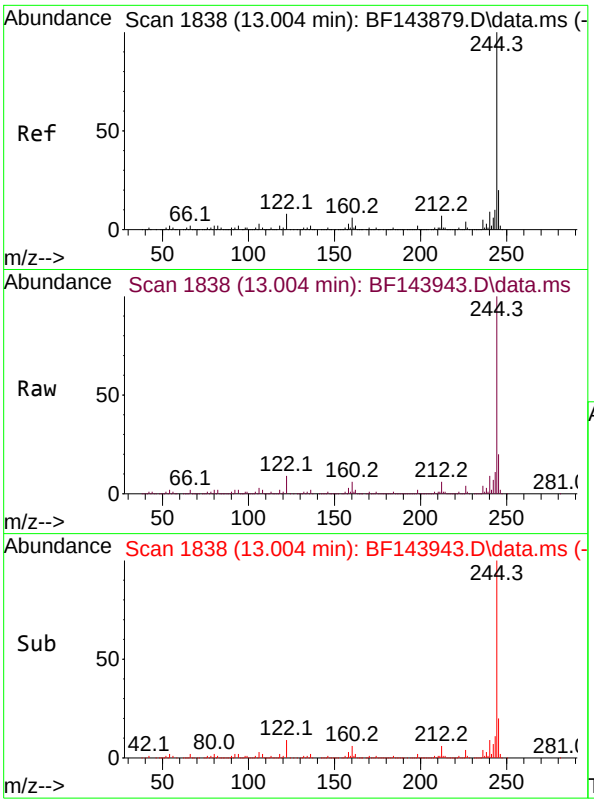




#78
Pyrene
Concen: 2.965 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:202 Resp: 68502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.7 | 17.0 | 25.6 |
| 203 | 18.8 | 13.8 | 20.6 |



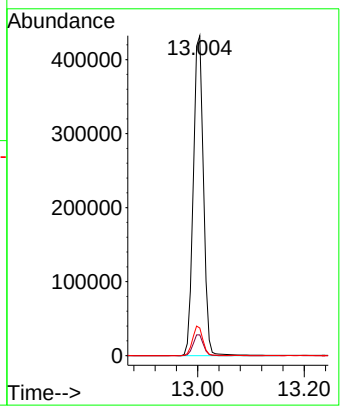


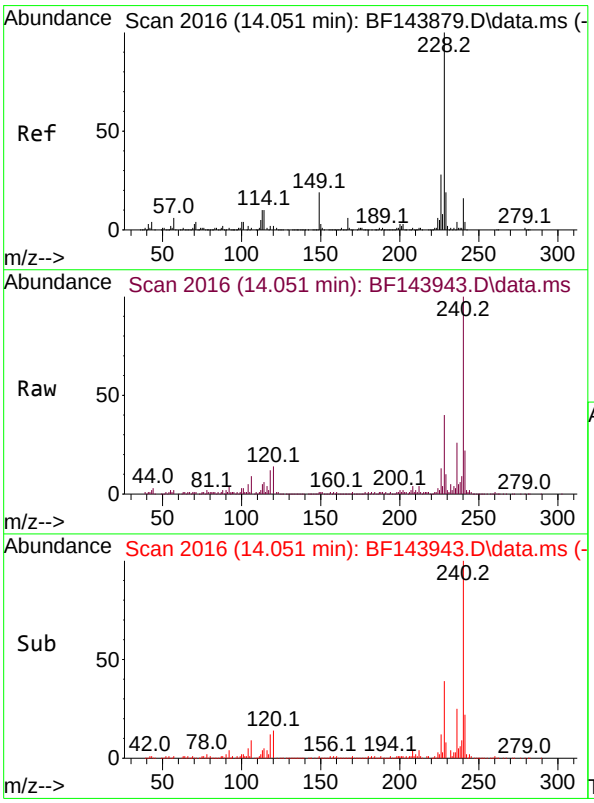

#79
Terphenyl-d14
Concen: 35.314 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:244 Resp: 572674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.4 | 8.0 |
| 122 | 8.6 | 6.4 | 9.6 |

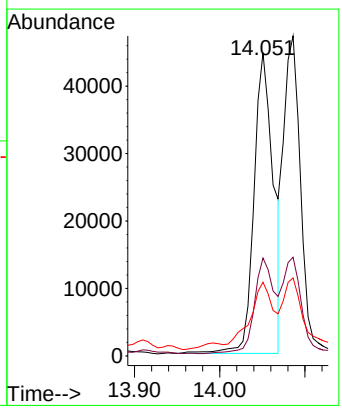


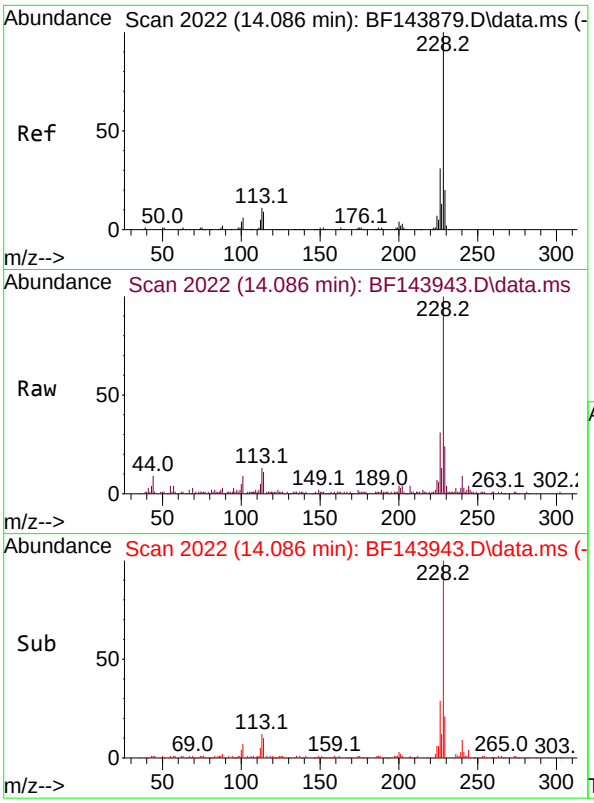




#81
Benzo(a)anthracene
Concen: 3.900 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:228 Resp: 70729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 22.2 | 33.2 |
| 229 | 24.3 | 15.6 | 23.4# |



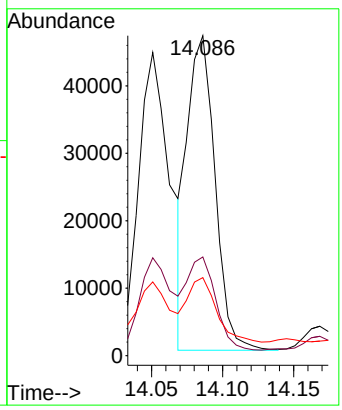


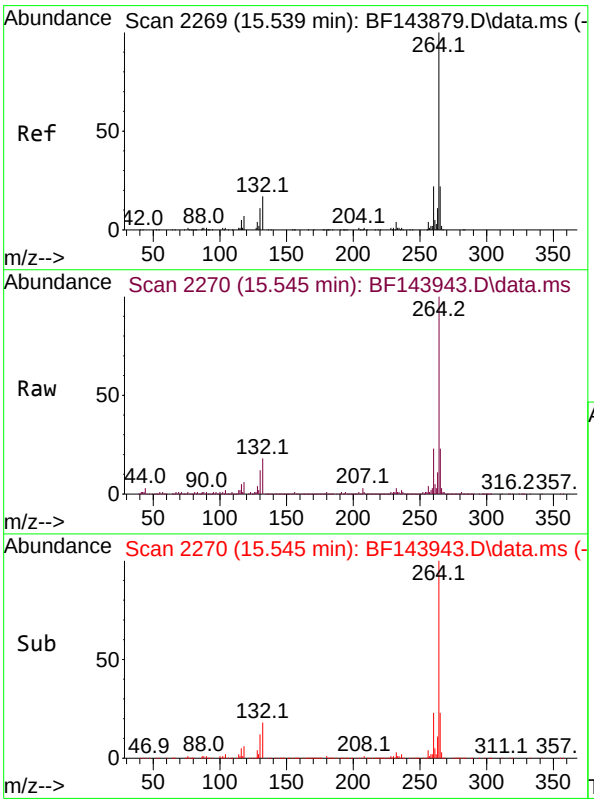

#83
Chrysene
Concen: 3.783 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:228 Resp: 63502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.4 | 36.6 |
| 229 | 24.4 | 15.9 | 23.9# |

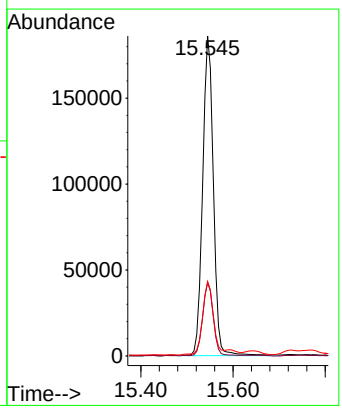


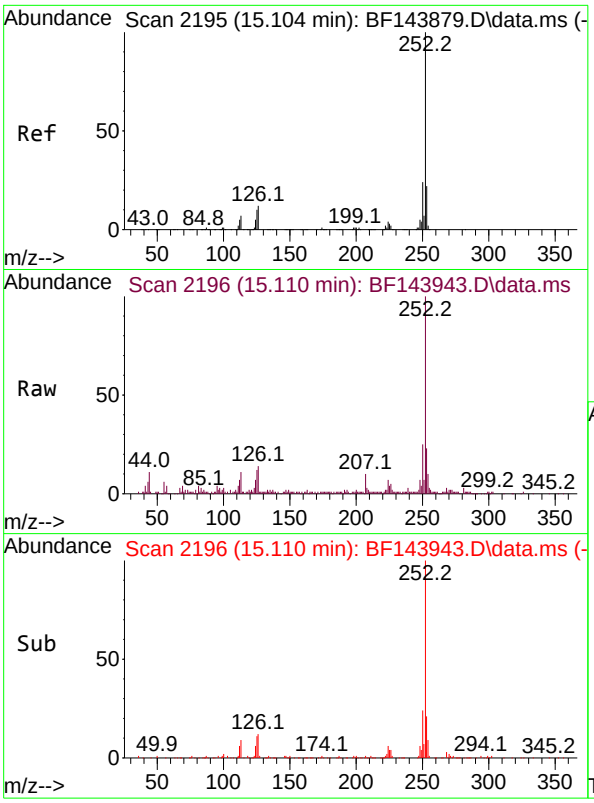




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:264 Resp: 299567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 17.8 | 26.8 |
| 265 | 23.3 | 17.5 | 26.3 |



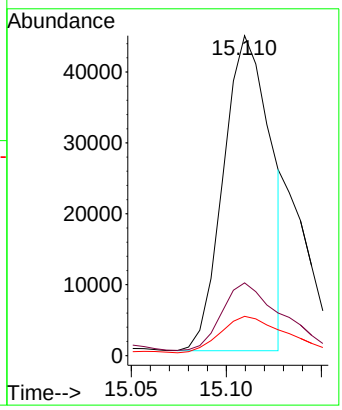


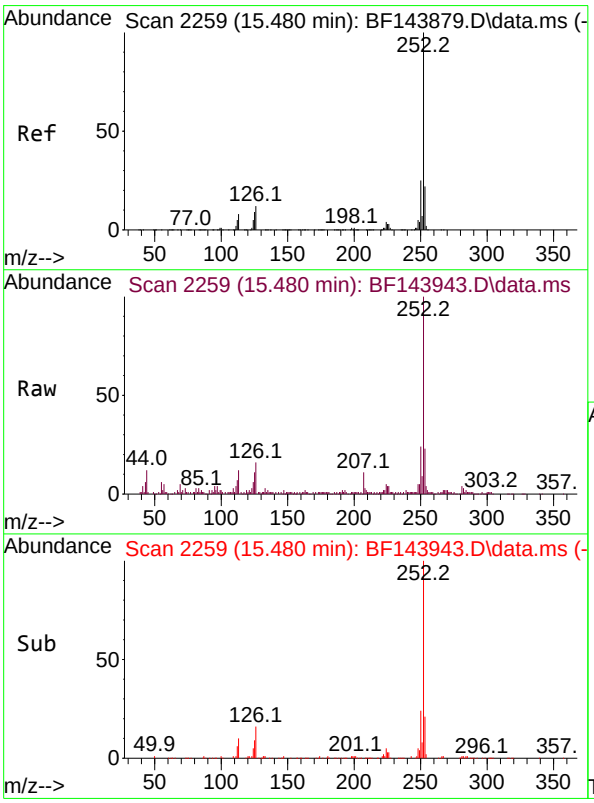

#88
Benzo(b)fluoranthene
Concen: 4.462 ng m
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2

Tgt Ion:252 Resp: 76783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.4 | 26.2 |
| 125 | 12.3 | 7.8 | 11.6# |




#90
Benzo(a)pyrene
Concen: 4.508 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143943.D
Acq: 13 Oct 2025 20:25

Tgt Ion:252 Resp: 67268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.3 | 25.9 |
| 125 | 10.8 | 7.0 | 10.4# |