Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142960.D
Acq On : 01 Jul 2025 20:33
Operator : RC/JU
Sample : Q2464-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Quant Time: Jul 02 01:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 38896 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 135760 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 72580 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 146061 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 115634 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 89979 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 32404 | 13.870 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 36034 | 13.074 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 20029 | 8.092 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 12237 | 16.384 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 51982 | 9.409 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.986 | 244 | 82183 | 9.820 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 71) Phenanthrene | 11.428 | 178 | 80174 | 10.133 | ng | 99 |
| 72) Anthracene | 11.481 | 178 | 25098 | 3.093 | ng | 99 |
| 75) Fluoranthene | 12.622 | 202 | 285719 | 38.050 | ng | 99 |
| 78) Pyrene | 12.851 | 202 | 242863 | 22.407 | ng | 99 |
| 81) Benzo(a)anthracene | 14.039 | 228 | 107771 | 13.815 | ng | 97 |
| 83) Chrysene | 14.075 | 228 | 84725 | 12.172 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 36401 | 5.311 | ng | 94 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 90923m | 17.463 | ng | |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 29573m | 6.071 | ng | |
| 90) Benzo(a)pyrene | 15.480 | 252 | 59548 | 11.839 | ng | 96 |
| 92) Benzo(g,h,i)perylene | 17.510 | 276 | 33810 | 6.089 | ng | 99 |

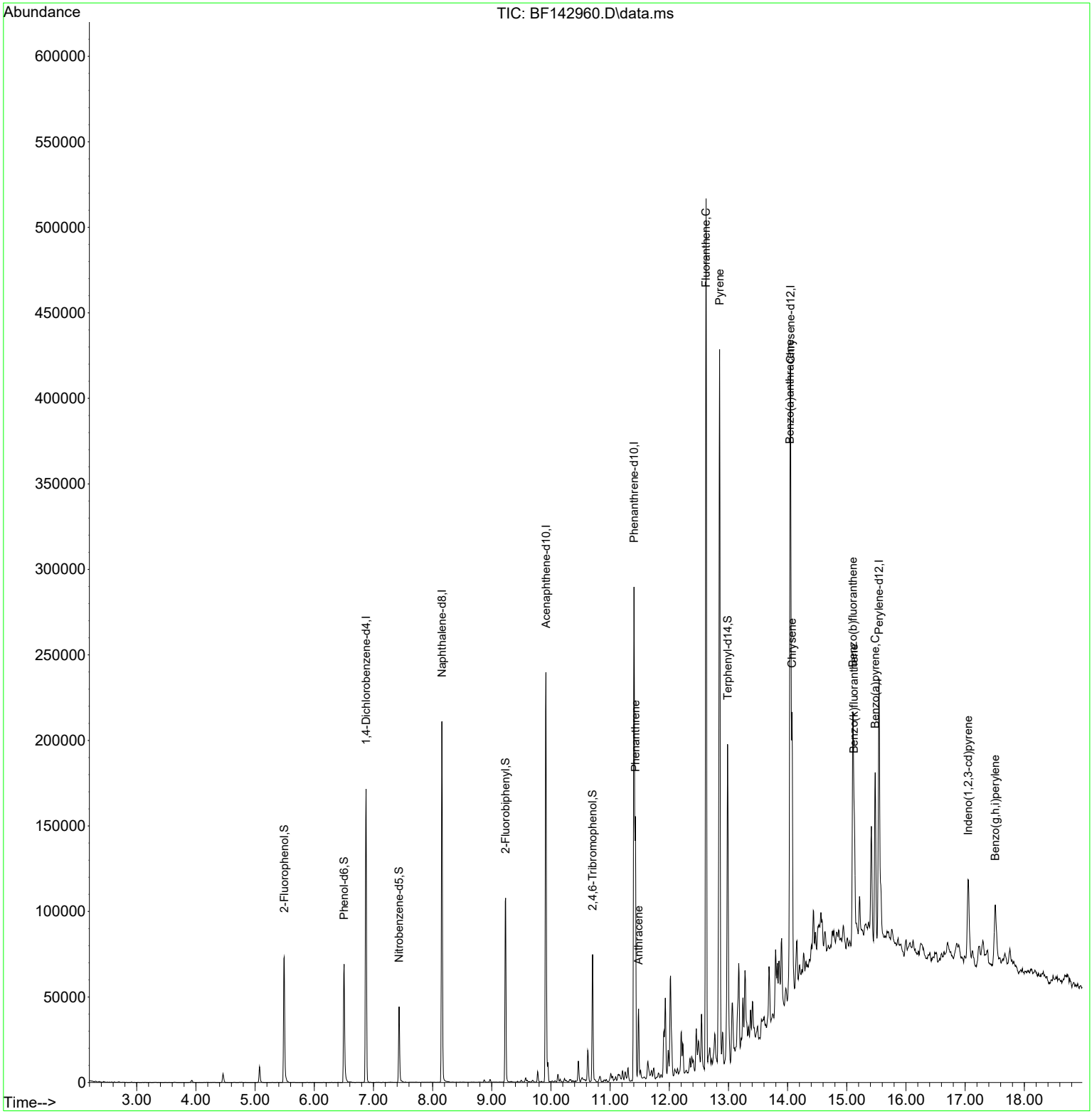
(#) = qualifier out of range (m) = manual integration (+) = signals summed

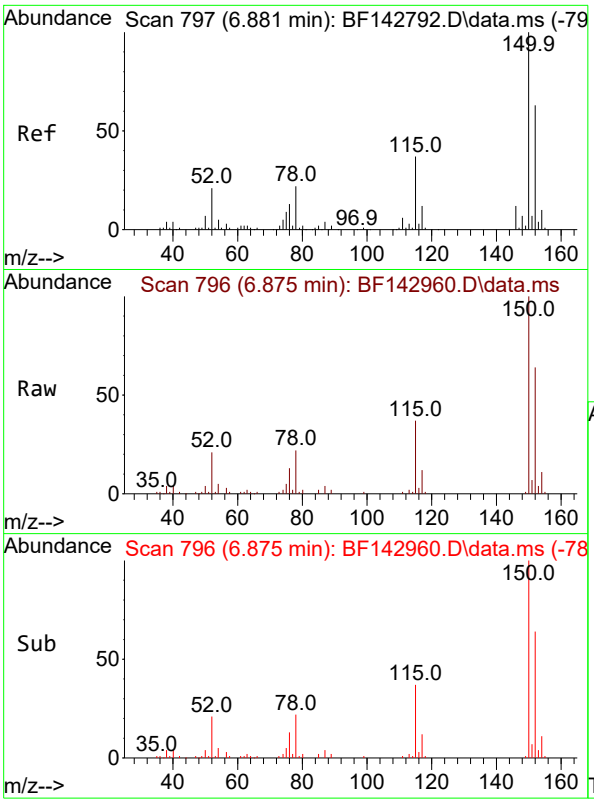
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142960.D
Acq On : 01 Jul 2025 20:33
Operator : RC/JU
Sample : Q2464-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Quant Time: Jul 02 01:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



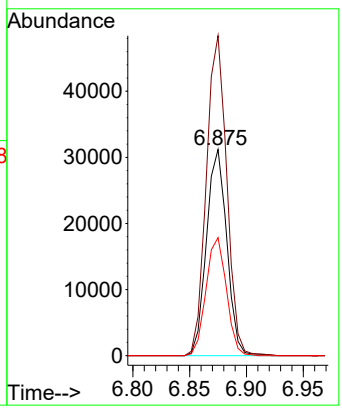


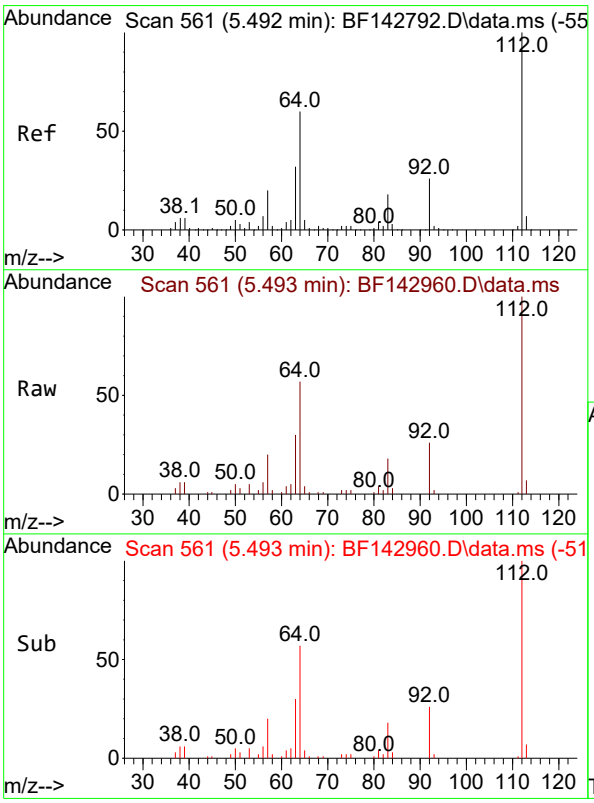

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:152 Resp: 38896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.2 | 127.2 | 190.8 |
| 115 | 57.2 | 46.6 | 69.8 |

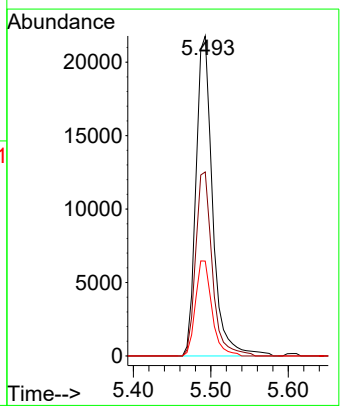


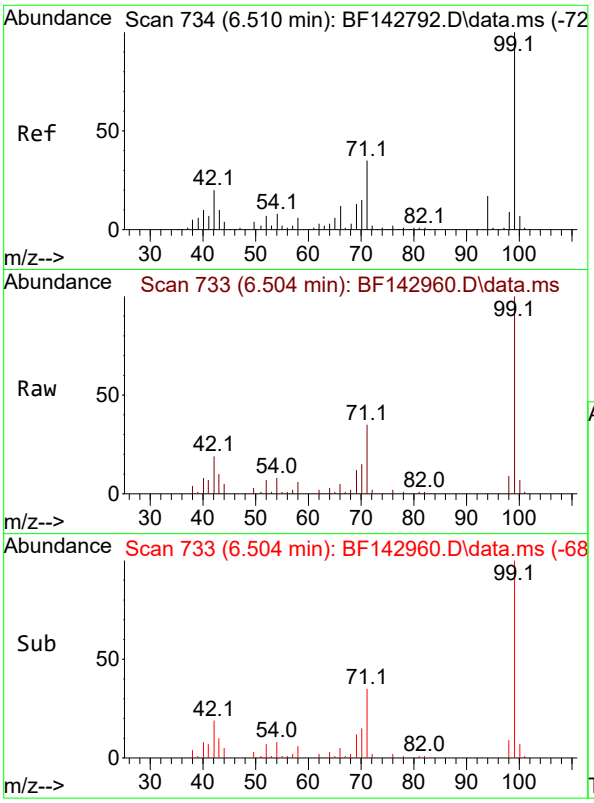




#5
2-Fluorophenol
Concen: 13.870 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:112 Resp: 32404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 48.2 | 72.2 |
| 63 | 29.7 | 25.7 | 38.5 |



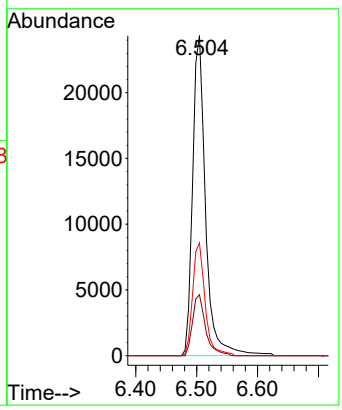


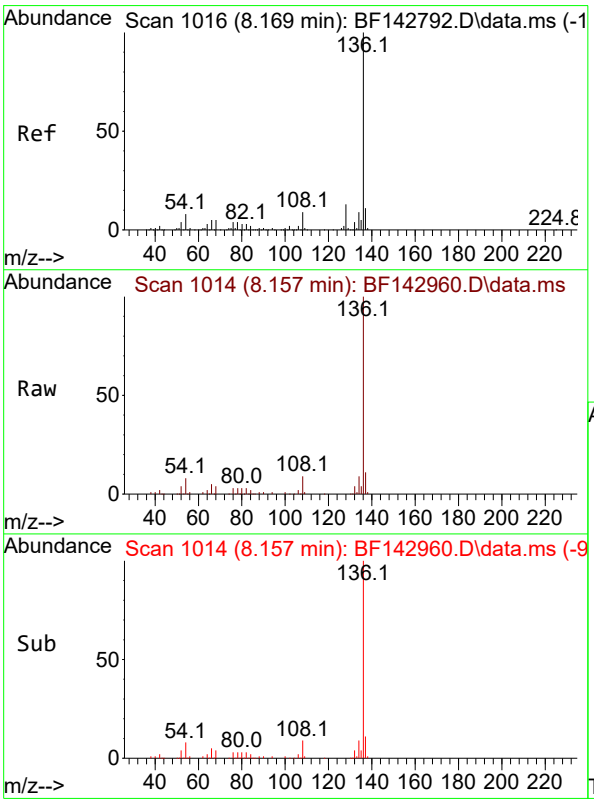

#7
Phenol-d6
Concen: 13.074 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion: 99 Resp: 36034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 15.9 | 23.9 |
| 71 | 35.2 | 27.8 | 41.8 |

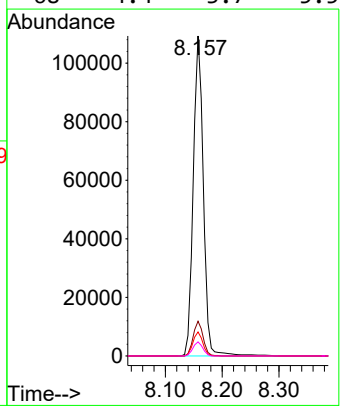


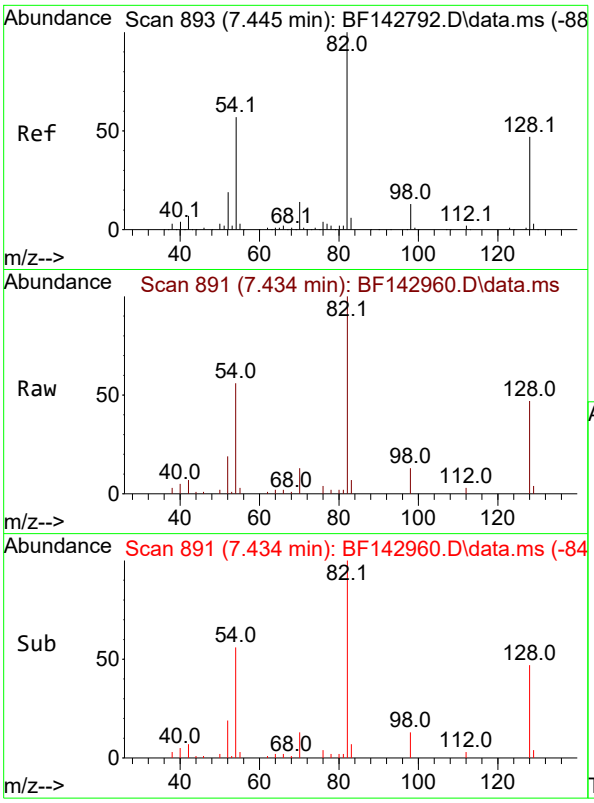




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:136 Resp: 135760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 4.4 | 3.7 | 5.5 |



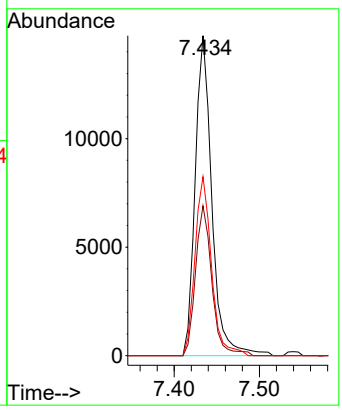


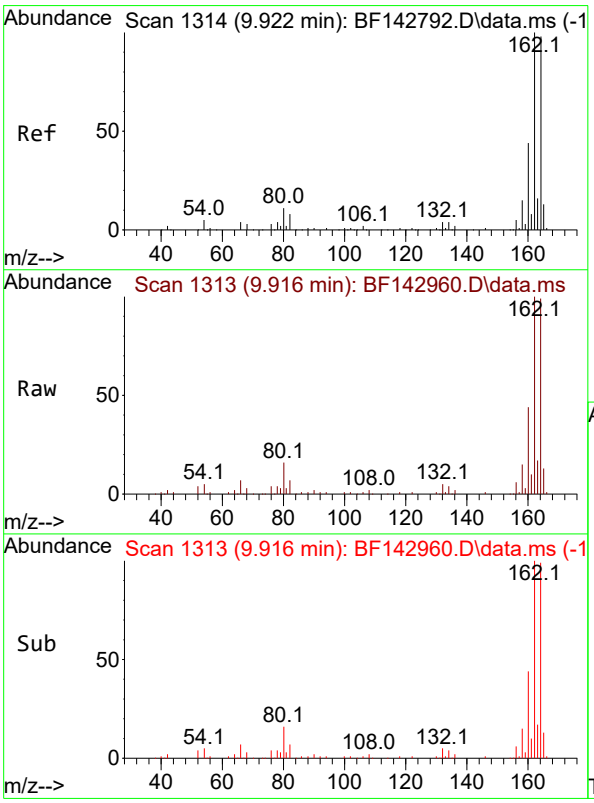

#23
Nitrobenzene-d5
Concen: 8.092 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion: 82 Resp: 20029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.9 | 37.7 | 56.5 |
| 54 | 56.0 | 45.7 | 68.5 |

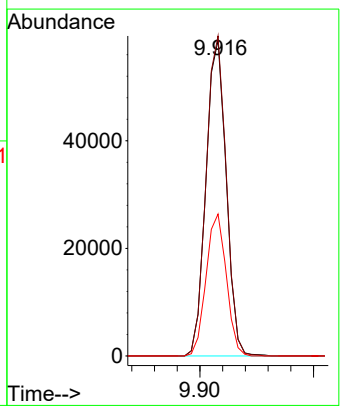


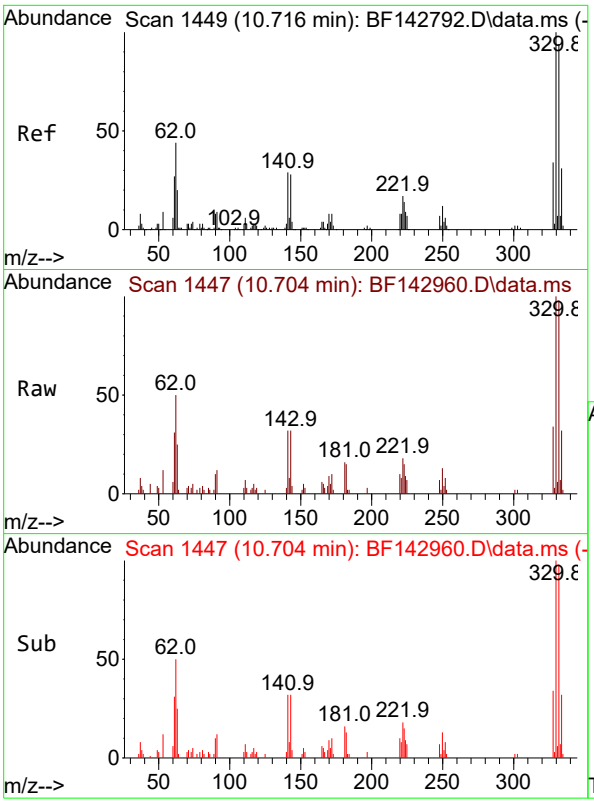




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:164 Resp: 72580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.8 | 122.8 |
| 160 | 44.9 | 36.0 | 54.0 |



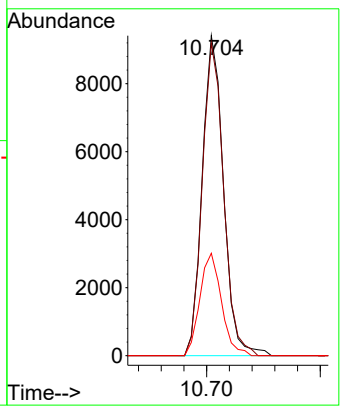


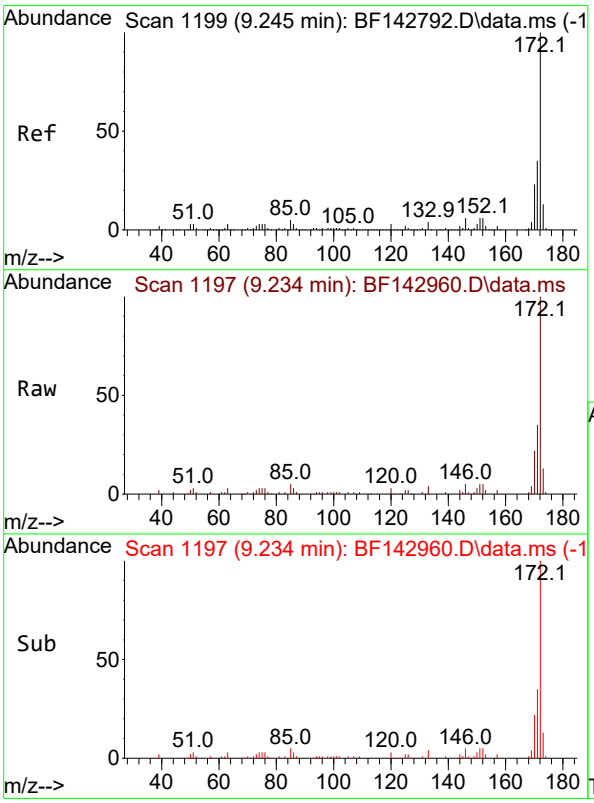

#42
2,4,6-Tribromophenol
Concen: 16.384 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:330 Resp: 12237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 75.0 | 112.6 |
| 141 | 32.5 | 25.3 | 37.9 |

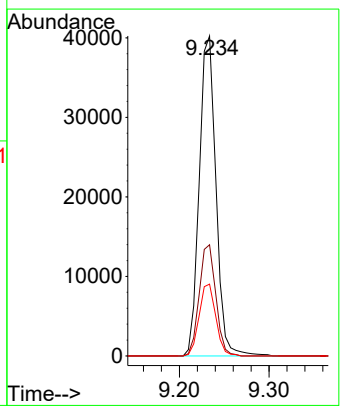


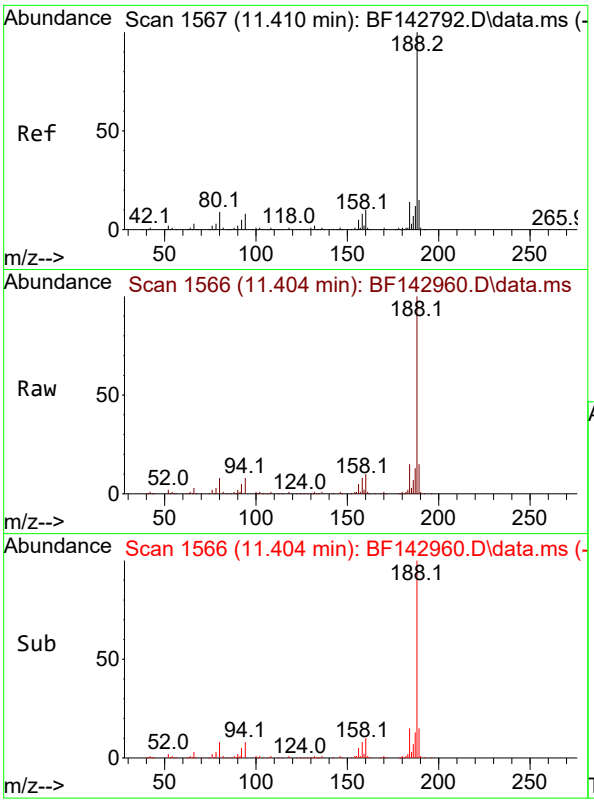




#45
2-Fluorobiphenyl
Concen: 9.409 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:172 Resp: 51982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.2 | 42.4 |
| 170 | 22.4 | 18.5 | 27.7 |



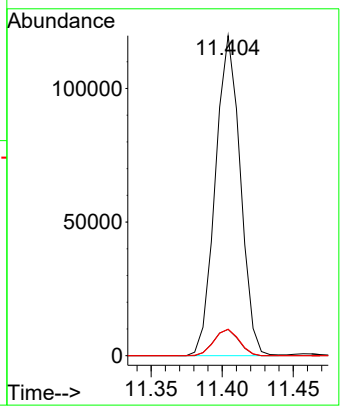


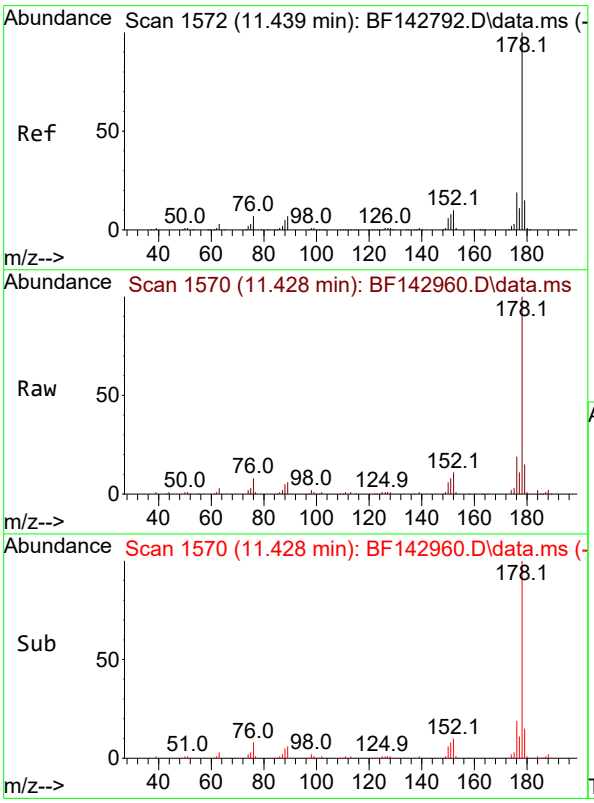

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:188 Resp: 146061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.7 | 10.1 |
| 80 | 8.3 | 6.9 | 10.3 |

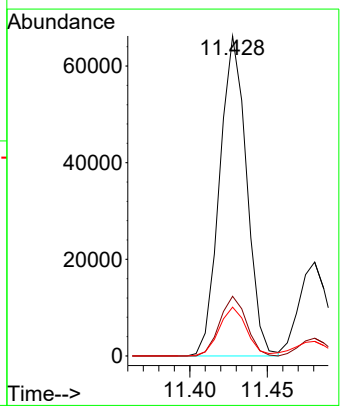


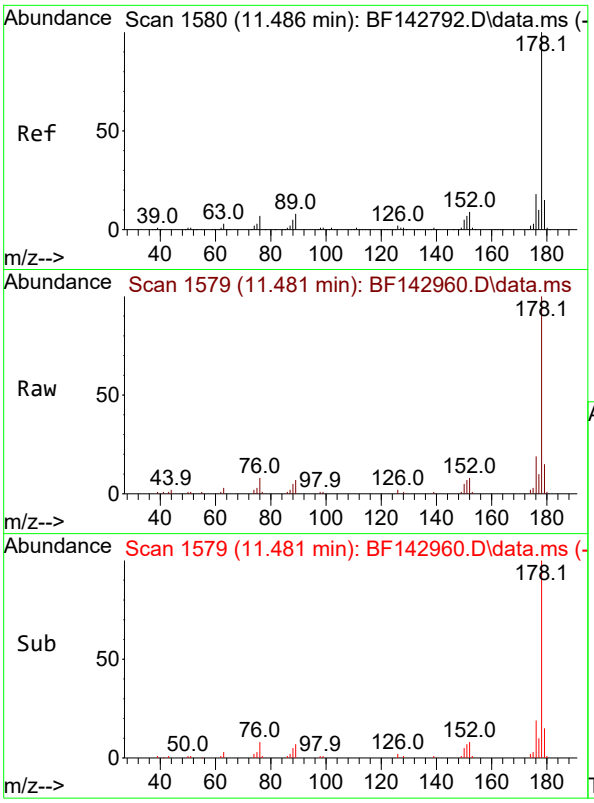




#71
Phenanthrene
Concen: 10.133 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:178 Resp: 80174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.1 | 22.7 |
| 179 | 15.2 | 12.0 | 18.0 |



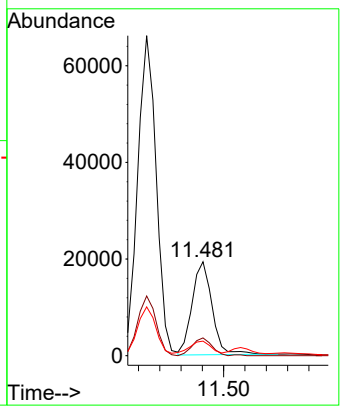


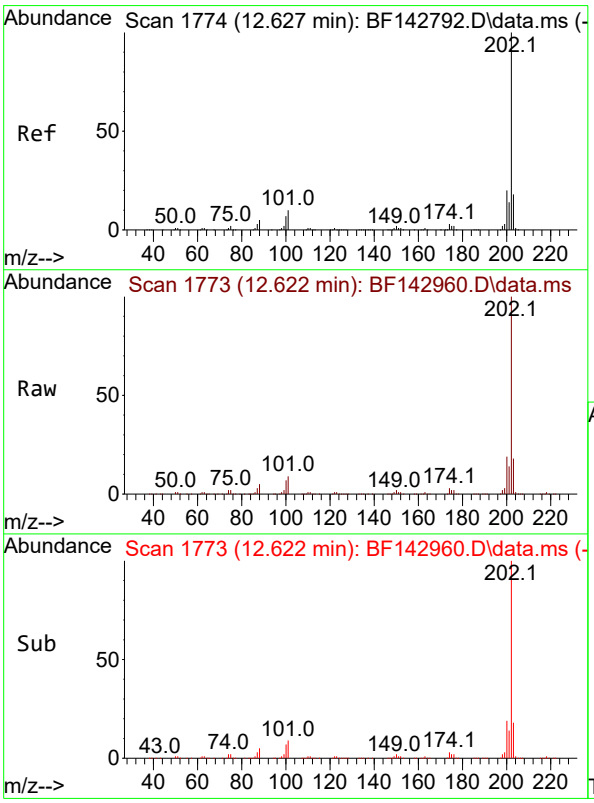

#72
Anthracene
Concen: 3.093 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:178 Resp: 25098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.6 | 21.8 |
| 179 | 15.5 | 12.4 | 18.6 |

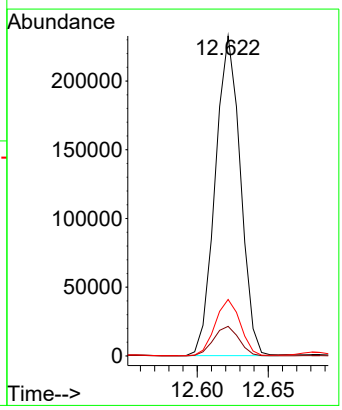


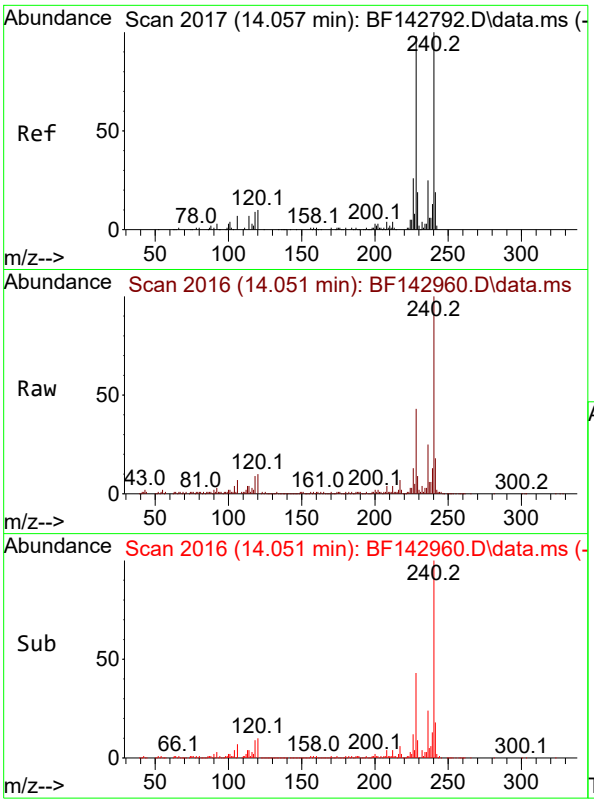




#75
Fluoranthene
Concen: 38.050 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:202 Resp: 285719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.7 |
| 203 | 17.7 | 0.0 | 37.5 |



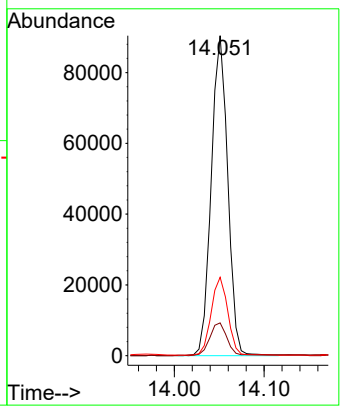


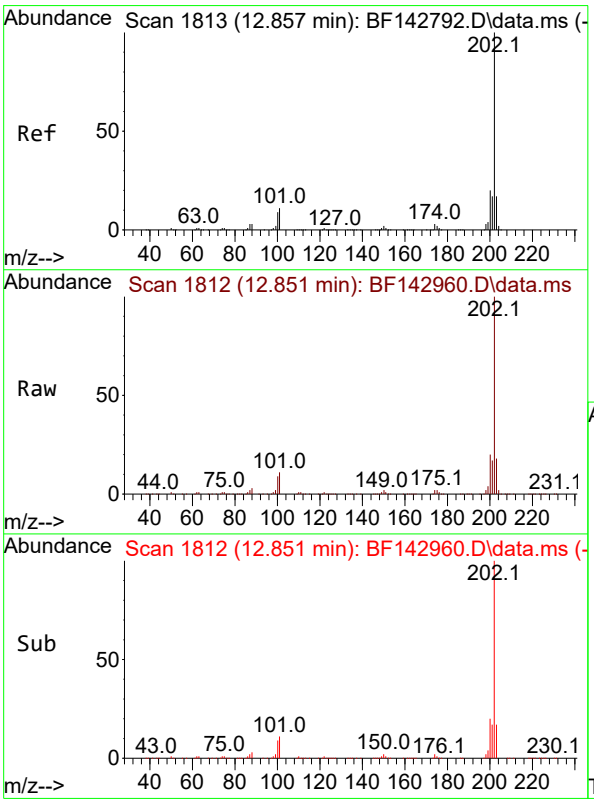

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:240 Resp: 115634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.2 | 12.2 |
| 236 | 24.5 | 19.8 | 29.8 |

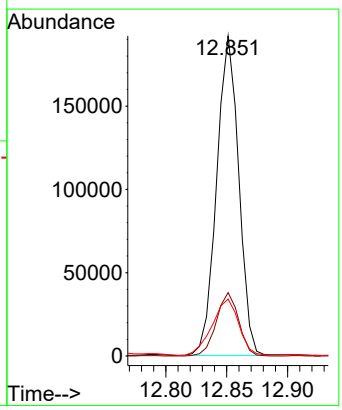


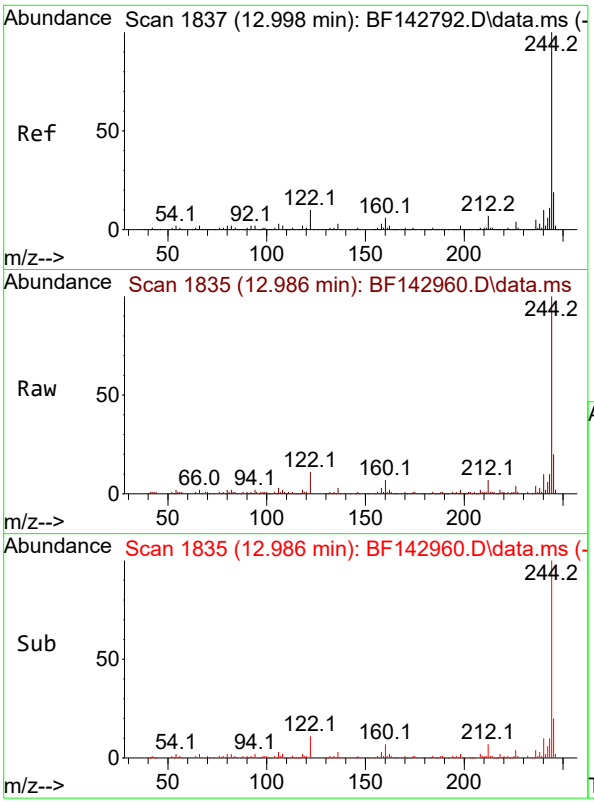




#78
Pyrene
Concen: 22.407 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:202 Resp: 242863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 15.7 | 23.5 |
| 203 | 17.8 | 13.8 | 20.6 |



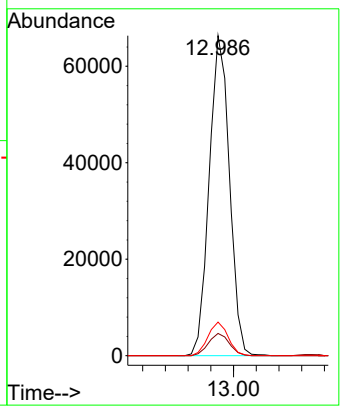


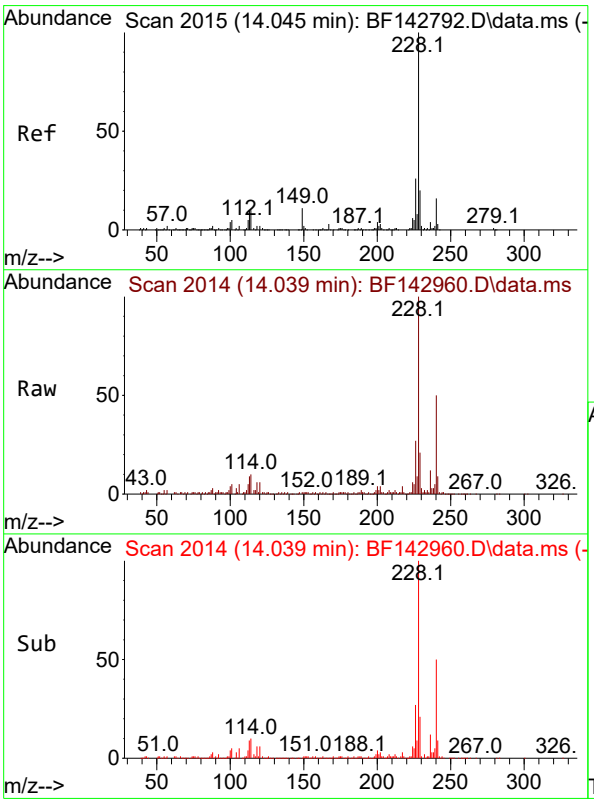

#79
Terphenyl-d14
Concen: 9.820 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:244 Resp: 82183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 10.5 | 8.2 | 12.2 |

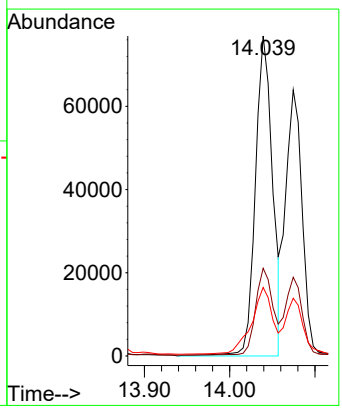


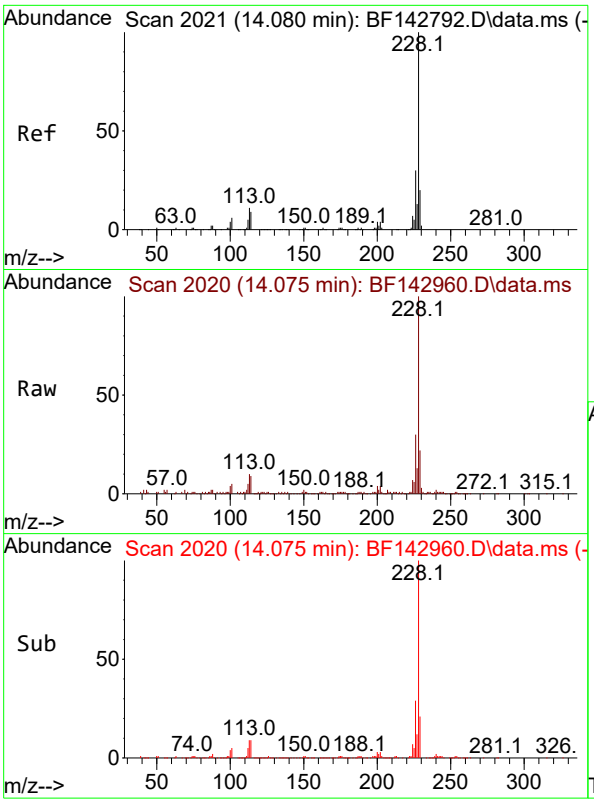




#81
Benzo(a)anthracene
Concen: 13.815 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:228 Resp: 107771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.2 | 31.8 |
| 229 | 21.4 | 15.6 | 23.4 |



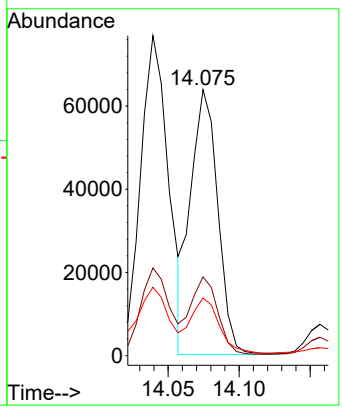


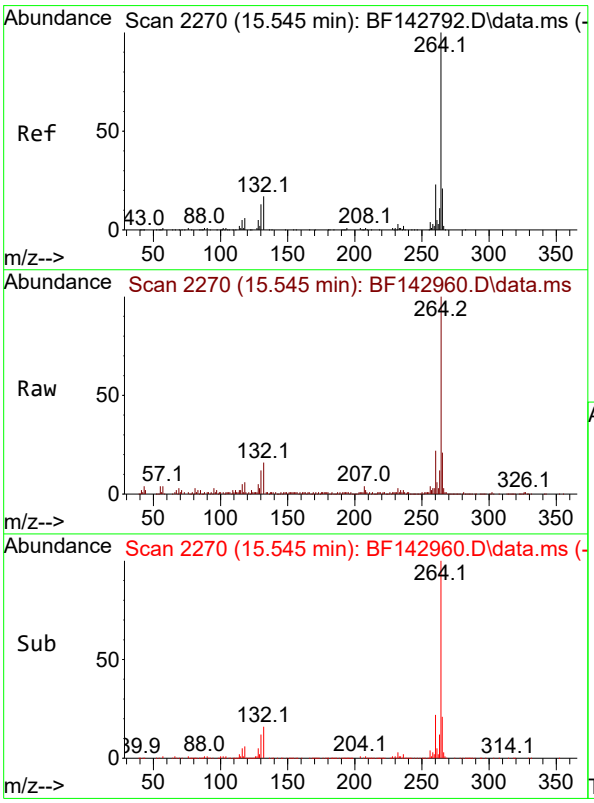

#83
Chrysene
Concen: 12.172 ng
RT: 14.075 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:228 Resp: 84725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.7 | 35.5 |
| 229 | 21.7 | 15.7 | 23.5 |

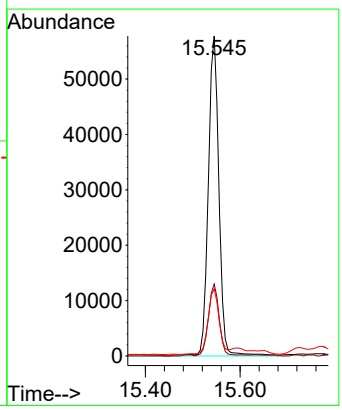


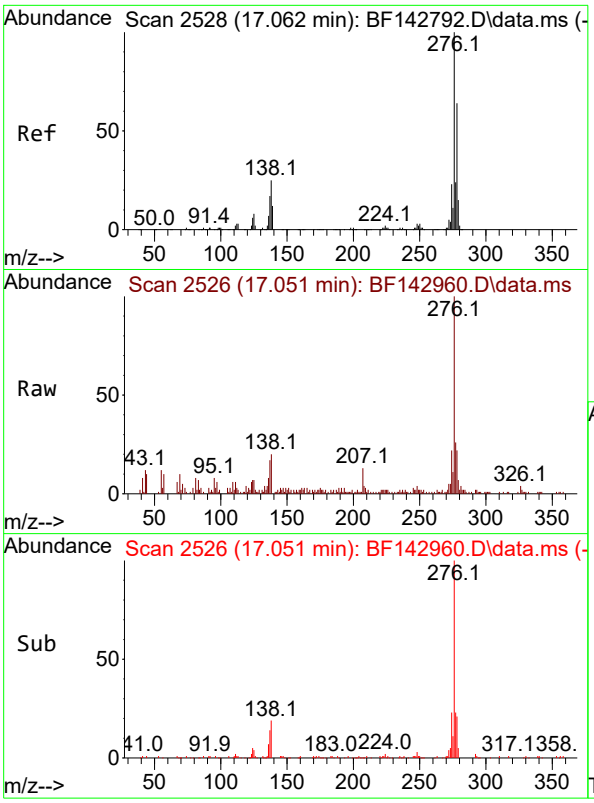




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:264 Resp: 89979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.1 | 27.1 |
| 265 | 21.0 | 16.6 | 25.0 |



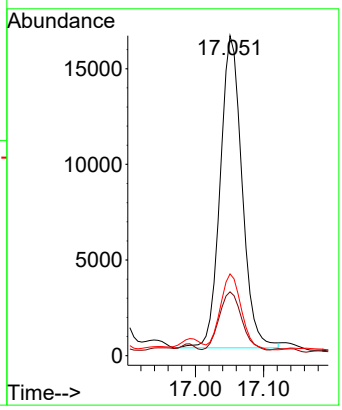


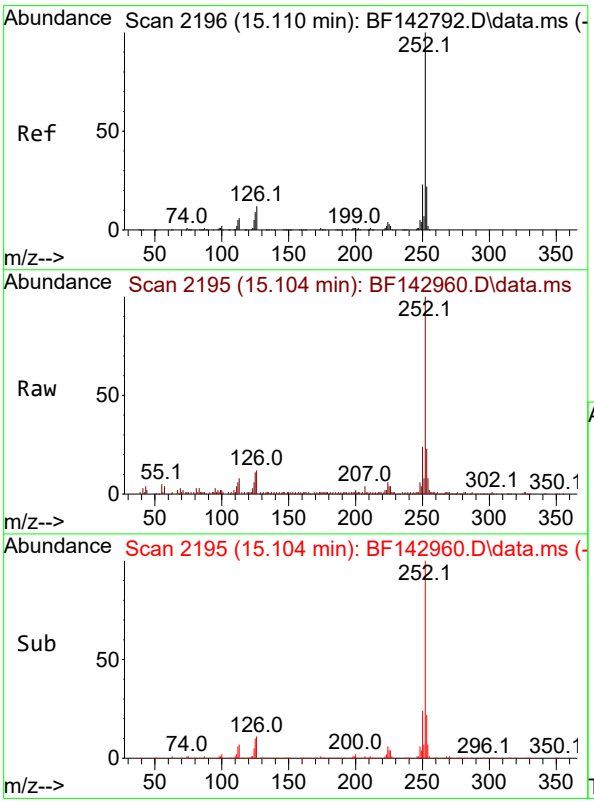

#87
Indeno(1,2,3-cd)pyrene
Concen: 5.311 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:276 Resp: 36401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 20.2 | 30.4 |
| 277 | 23.6 | 19.8 | 29.6 |

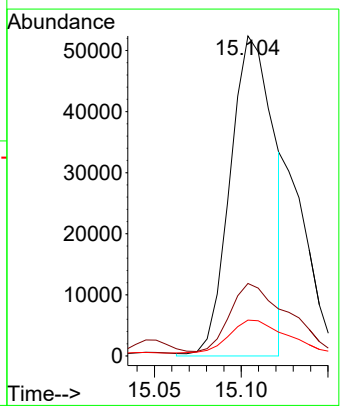


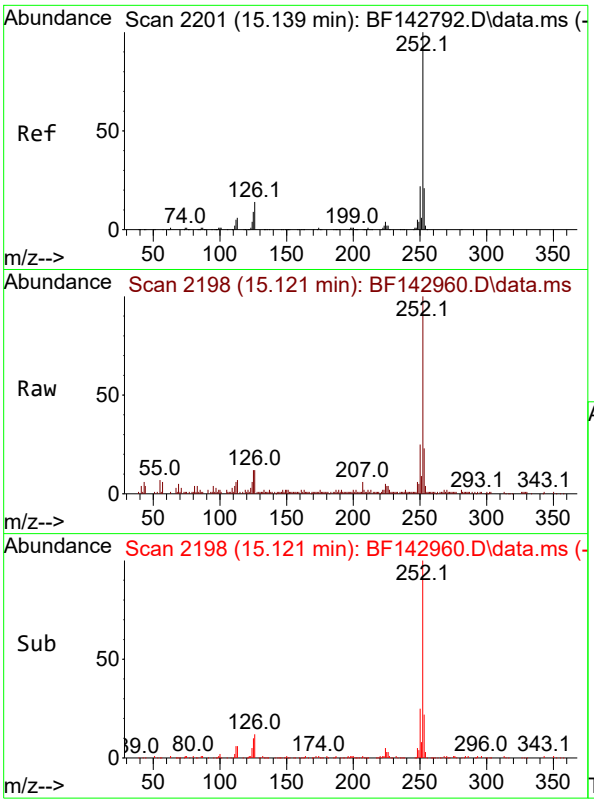




#88
Benzo(b)fluoranthene
Concen: 17.463 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:252 Resp: 90923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.5 | 26.3 |
| 125 | 11.2 | 7.4 | 11.0# |



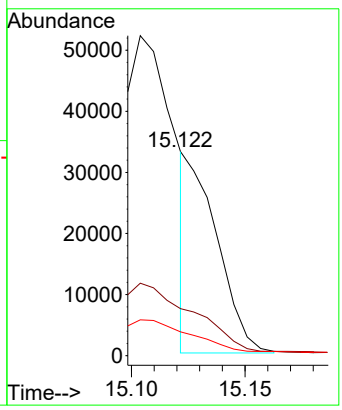


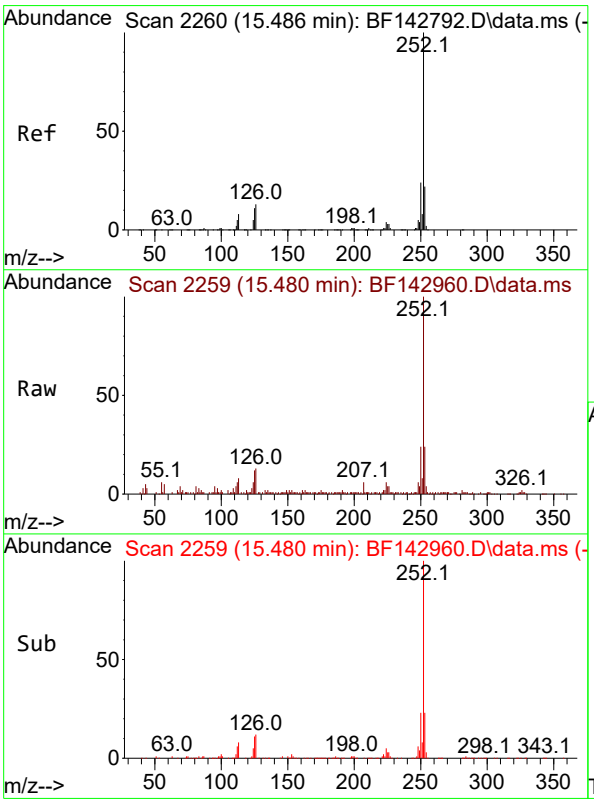

#89
Benzo(k)fluoranthene
Concen: 6.071 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:252 Resp: 29573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.2 | 25.8 |
| 125 | 11.7 | 7.4 | 11.2# |

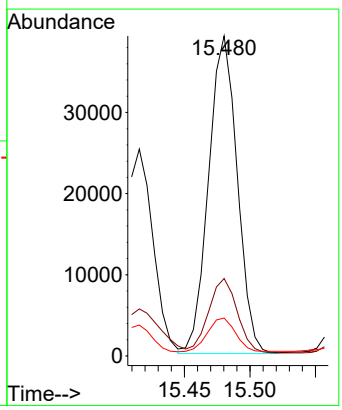


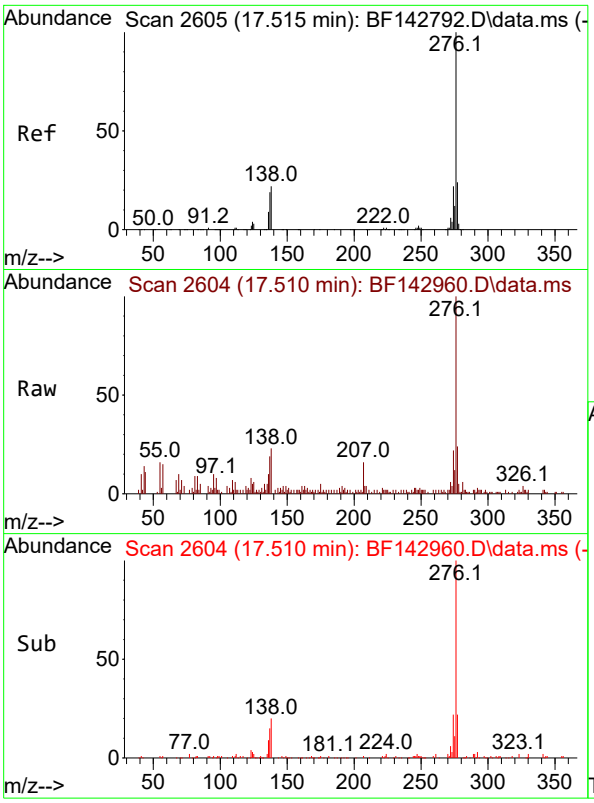




#90
Benzo(a)pyrene
Concen: 11.839 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

Tgt Ion:252 Resp: 59548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.5 | 26.3 |
| 125 | 11.8 | 8.6 | 12.8 |






#92
Benzo(g,h,i)perylene
Concen: 6.089 ng
RT: 17.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142960.D
Acq: 01 Jul 2025 20:33

**Instrument :**
BNA_F
**ClientSampleId :**
OR-3-063025

Tgt Ion:276 Resp: 33810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 18.8 | 28.2 |
| 138 | 22.5 | 17.6 | 26.4 |