Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141979.D
Acq On : 17 Mar 2025 14:00
Operator : RC/JU
Sample : Q1581-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Quant Time: Mar 17 14:30:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 103342 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 344955 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 168418 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 320063 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 283429 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 214029 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 167312 | 27.021 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 188350 | 23.891 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 113912 | 18.584 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 58076 | 27.181 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 222557 | 20.097 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 338084 | 17.636 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.433 | 70 | 16183 | 3.195 | ng | # 78 |
| 25) Isophorone | 7.433 | 82 | 106999 | 9.875 | ng | # 65 |
| 71) Phenanthrene | 11.421 | 178 | 39153 | 2.265 | ng | 97 |
| 72) Anthracene | 11.421 | 178 | 39153 | 2.257 | ng | 96 |
| 75) Fluoranthene | 12.610 | 202 | 88800 | 4.842 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 108995 | 4.446 | ng | 98 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 61546 | 3.309 | ng | # 87 |
| 83) Chrysene | 14.062 | 228 | 62685 | 3.718 | ng | # 90 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 76641 | 5.225 | ng | # 62 |
| 89) Benzo(k)fluoranthene | 15.086 | 252 | 76641 | 6.105 | ng | # 63 |
| 90) Benzo(a)pyrene | 15.456 | 252 | 37539 | 3.271 | ng | # 63 |
| 92) Benzo(g,h,i)perylene | 17.456 | 276 | 25372 | 2.248 | ng | # 80 |

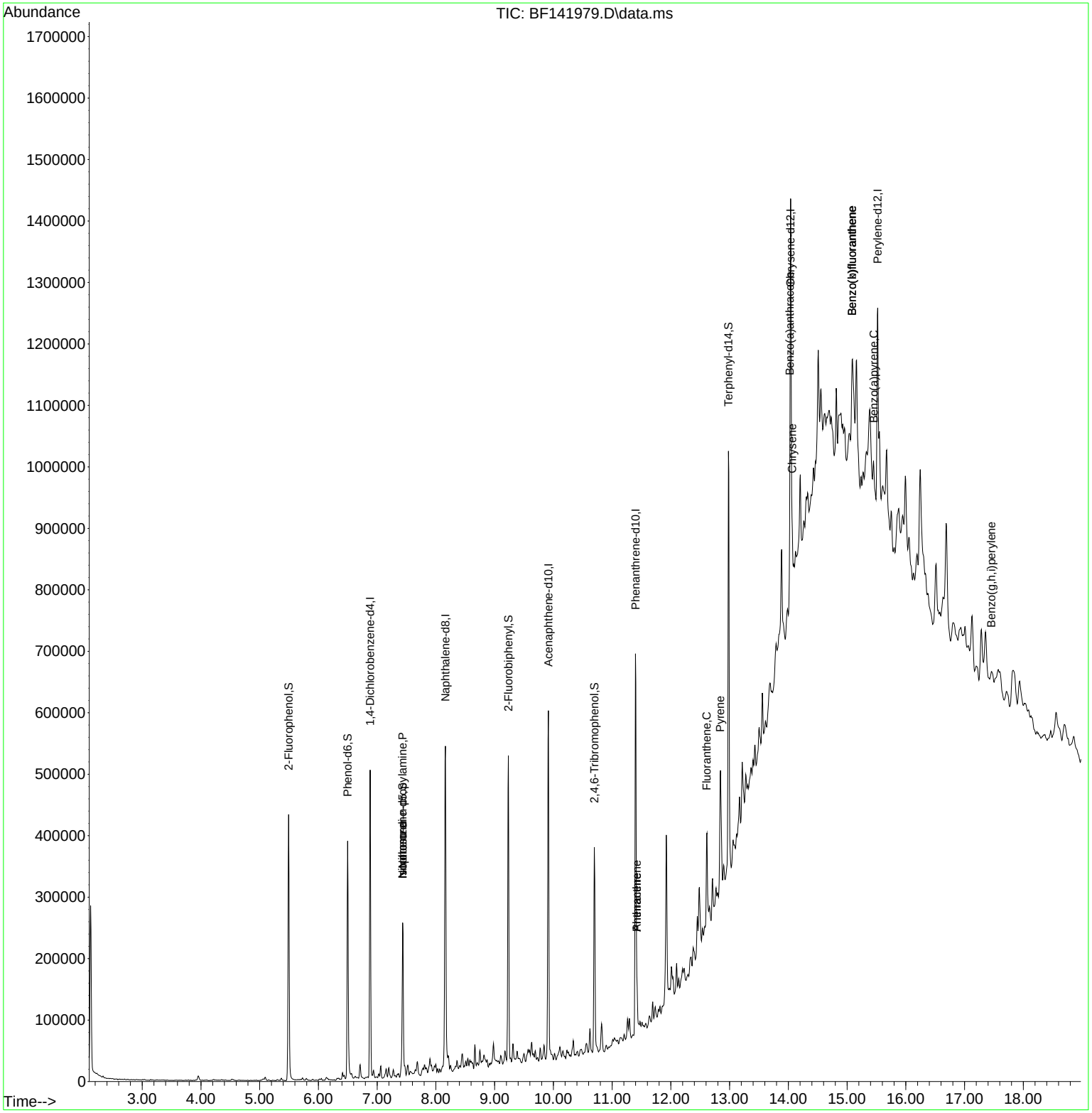
(#) = qualifier out of range (m) = manual integration (+) = signals summed

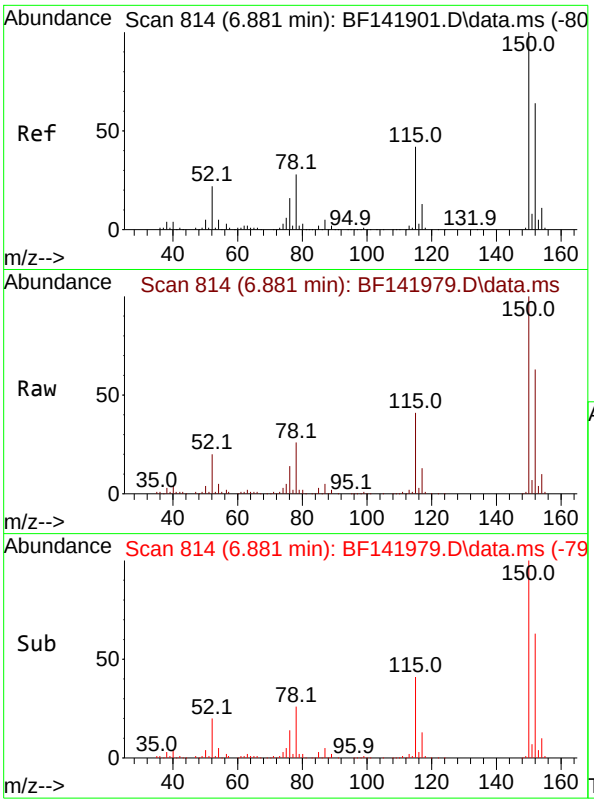
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141979.D
Acq On : 17 Mar 2025 14:00
Operator : RC/JU
Sample : Q1581-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Quant Time: Mar 17 14:30:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



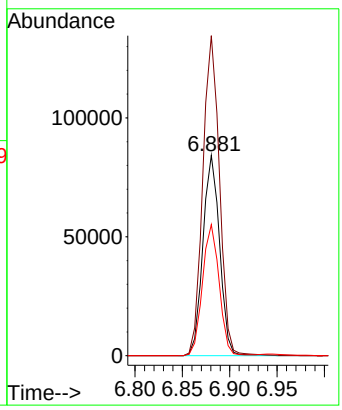


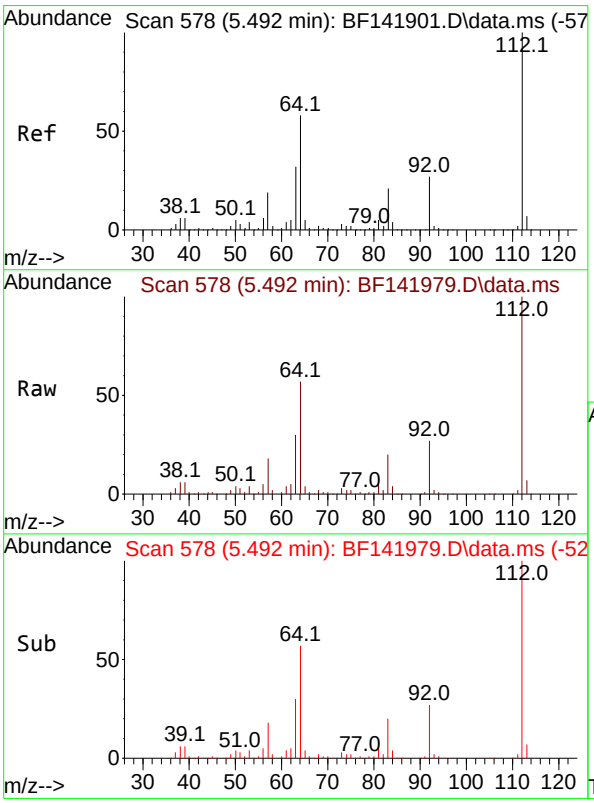

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:152 Resp: 103342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.8 | 127.4 | 191.2 |
| 115 | 65.4 | 51.9 | 77.9 |

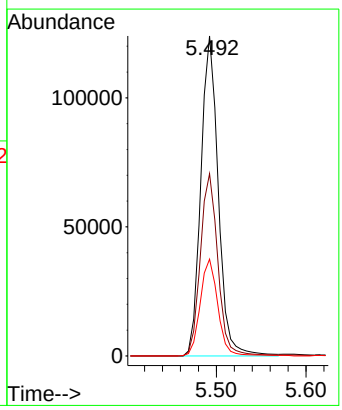


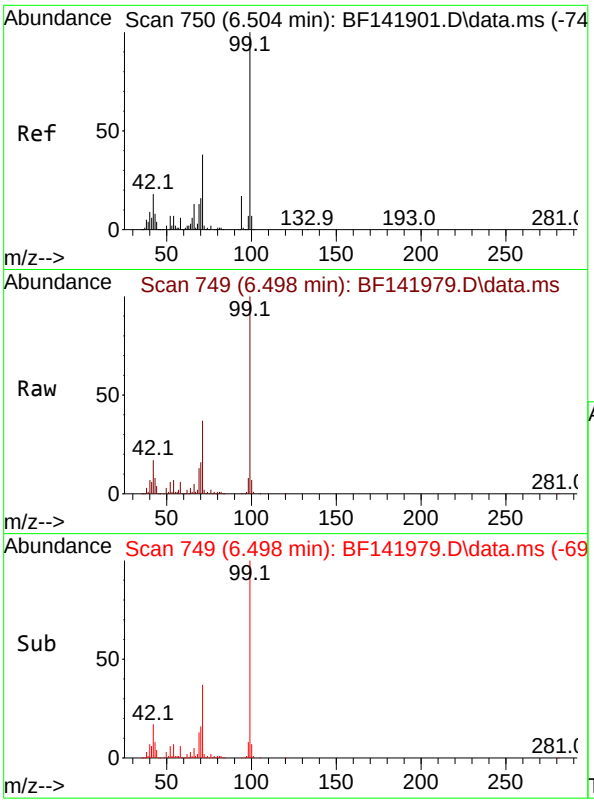




#5
2-Fluorophenol
Concen: 27.021 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:112 Resp: 167312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.0 | 46.5 | 69.7 |
| 63 | 30.2 | 25.4 | 38.2 |



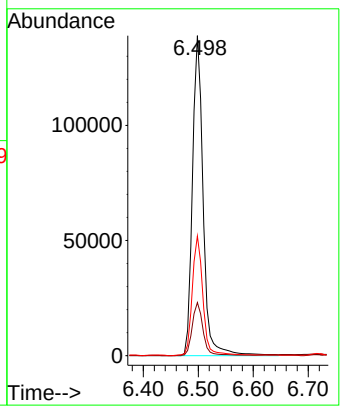


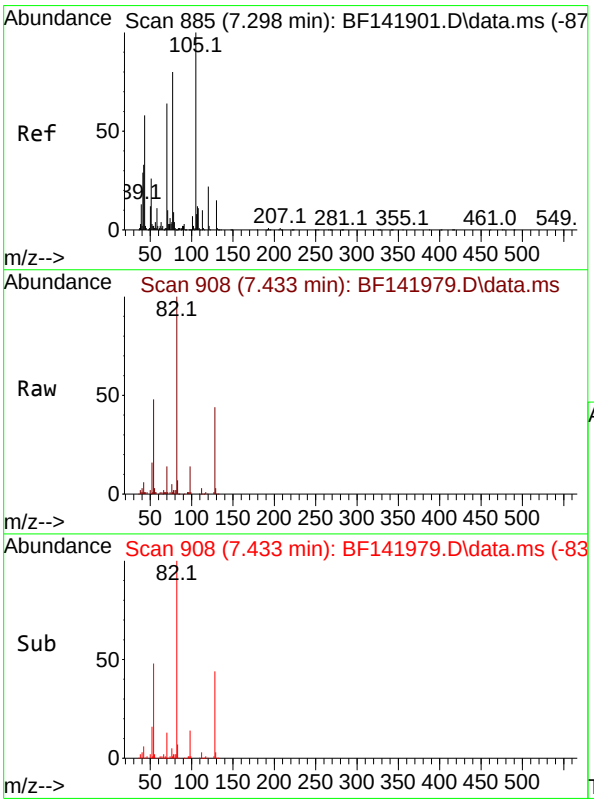

#7
Phenol-d6
Concen: 23.891 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion: 99 Resp: 188350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.6 | 14.6 | 21.8 |
| 71 | 37.4 | 30.8 | 46.2 |

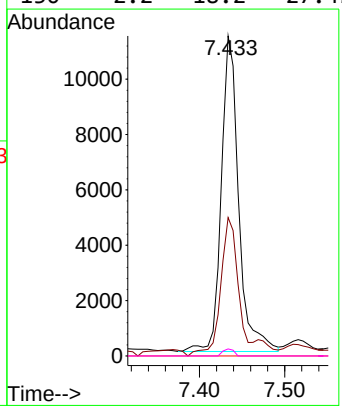


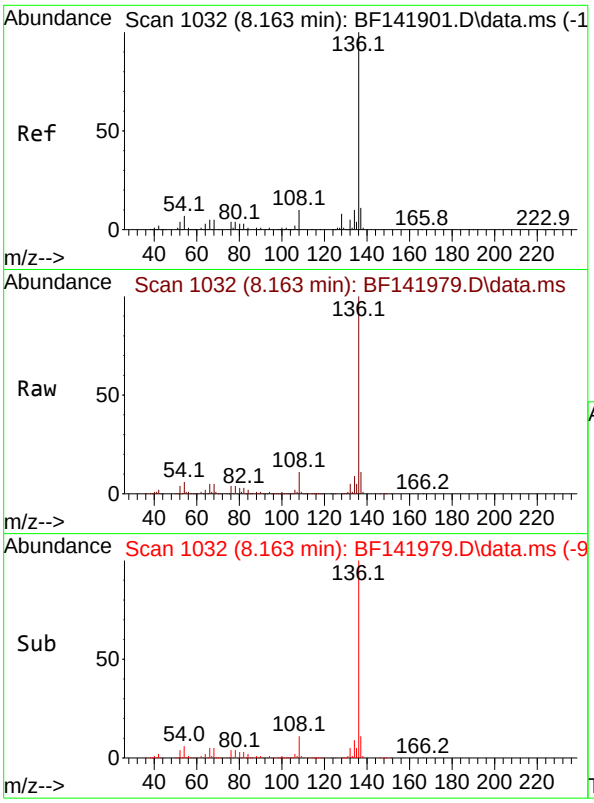




#19
n-Nitroso-di-n-propylamine
Concen: 3.195 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion: 70 Resp: 16183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.3 | 41.4 | 62.0 |
| 101 | 0.0 | 8.2 | 12.2# |
| 130 | 2.2 | 18.2 | 27.4# |



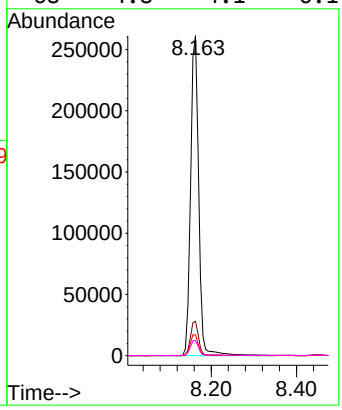


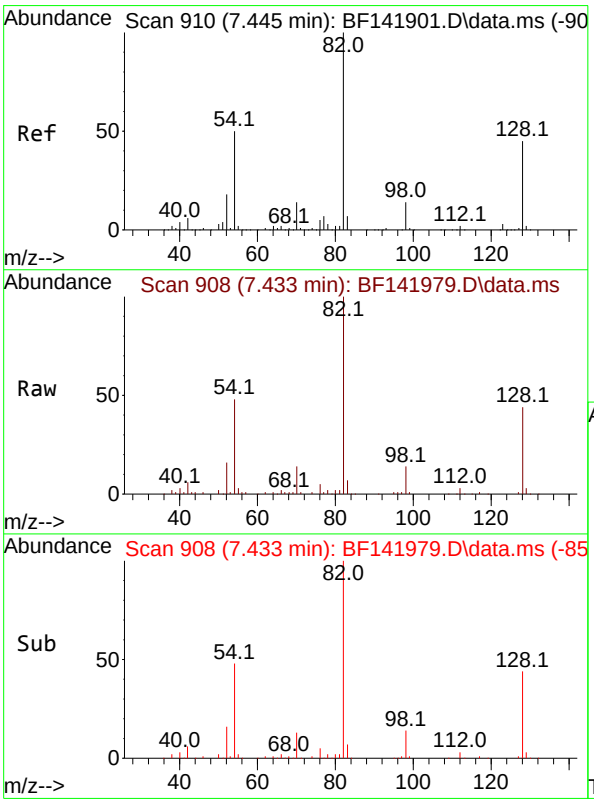

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:136 Resp: 344955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 6.4 | 5.8 | 8.8 |
| 68 | 4.8 | 4.1 | 6.1 |

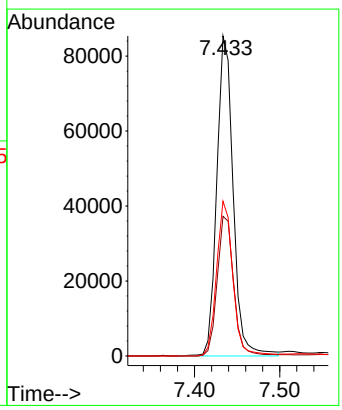


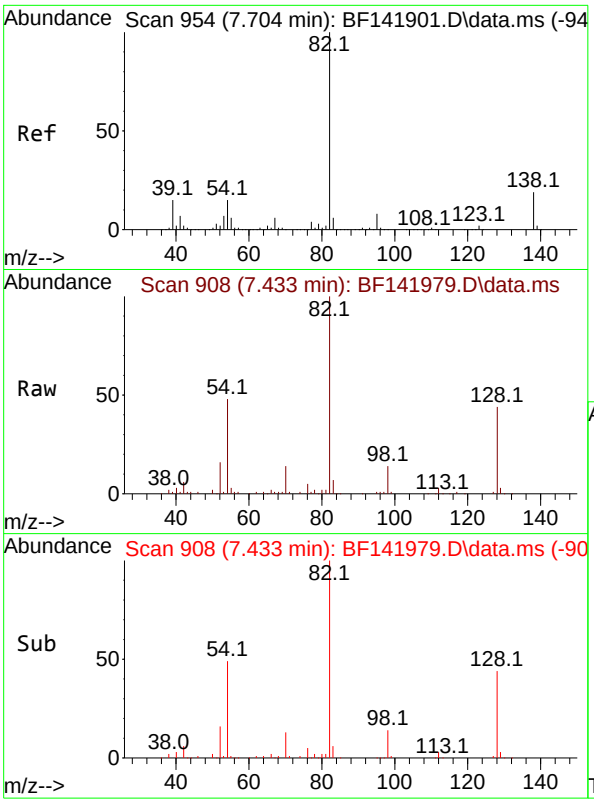




#23
Nitrobenzene-d5
Concen: 18.584 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion: 82 Resp: 113912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 36.0 | 54.0 |
| 54 | 48.4 | 39.6 | 59.4 |



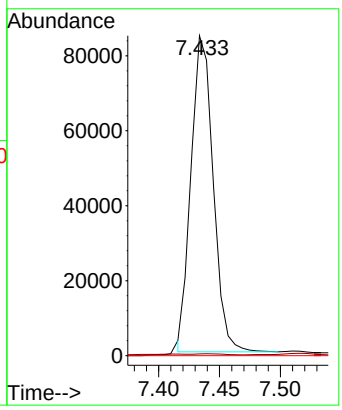


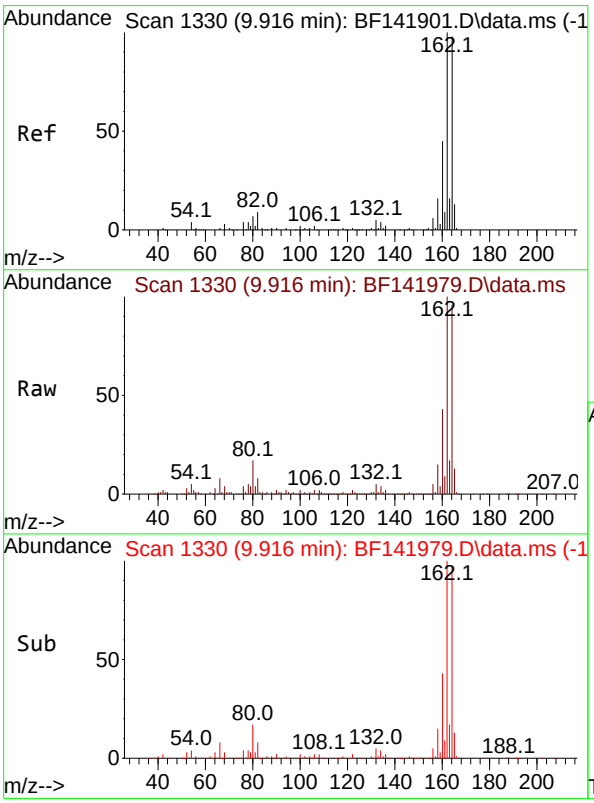

#25
Isophorone
Concen: 9.875 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.271 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion: 82 Resp: 106999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.5 | 6.4 | 9.6# |
| 138 | 0.0 | 14.9 | 22.3# |

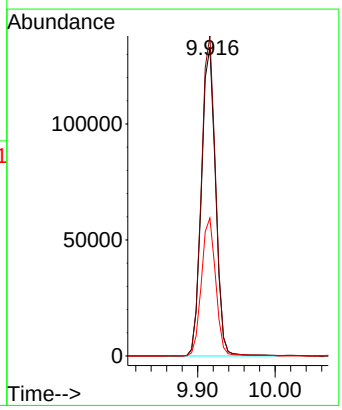


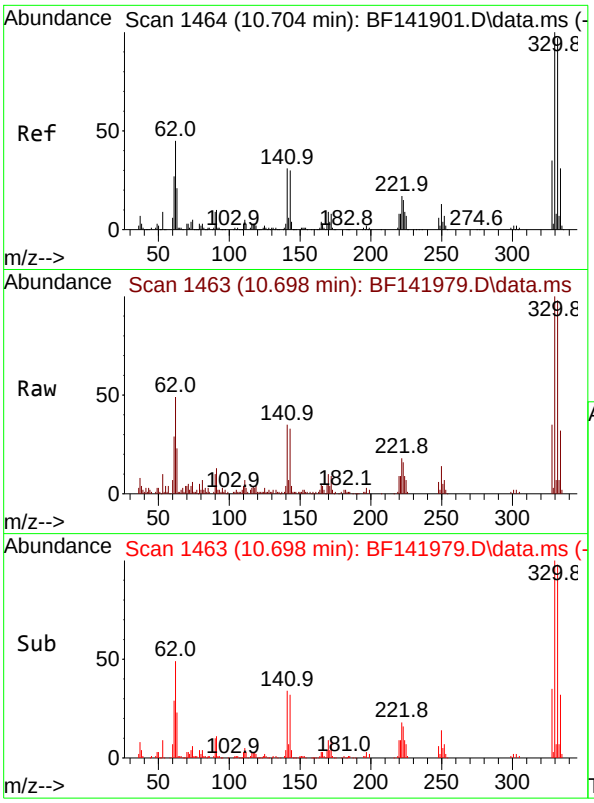




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:164 Resp: 168418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.7 | 81.8 | 122.6 |
| 160 | 44.7 | 36.7 | 55.1 |



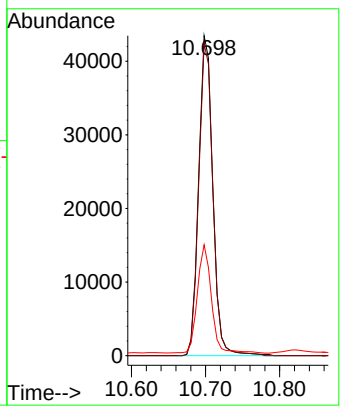


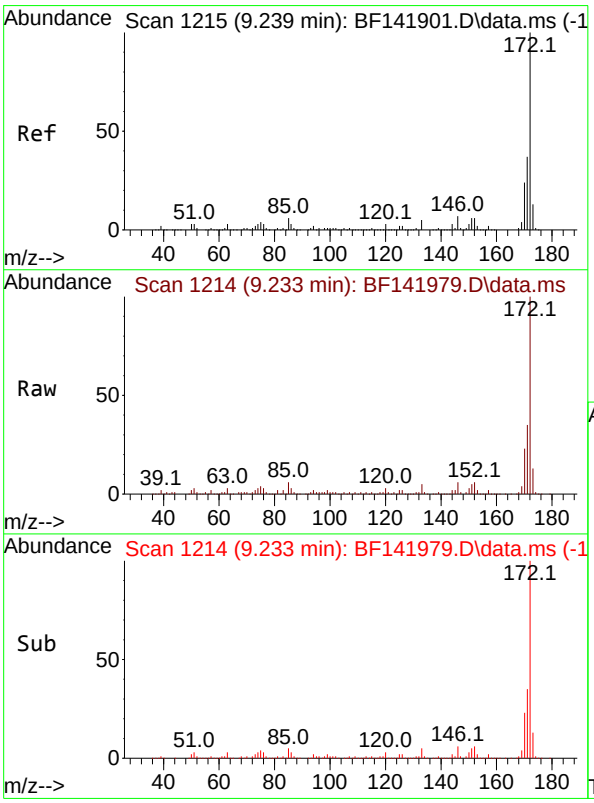

#42
2,4,6-Tribromophenol
Concen: 27.181 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:330 Resp: 58076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.6 | 116.4 |
| 141 | 33.4 | 24.7 | 37.1 |

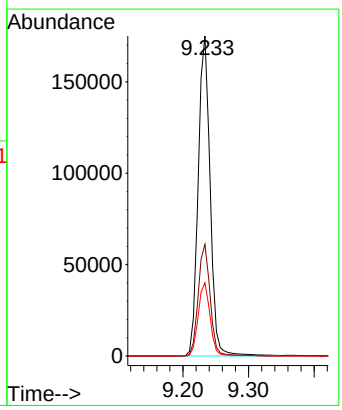


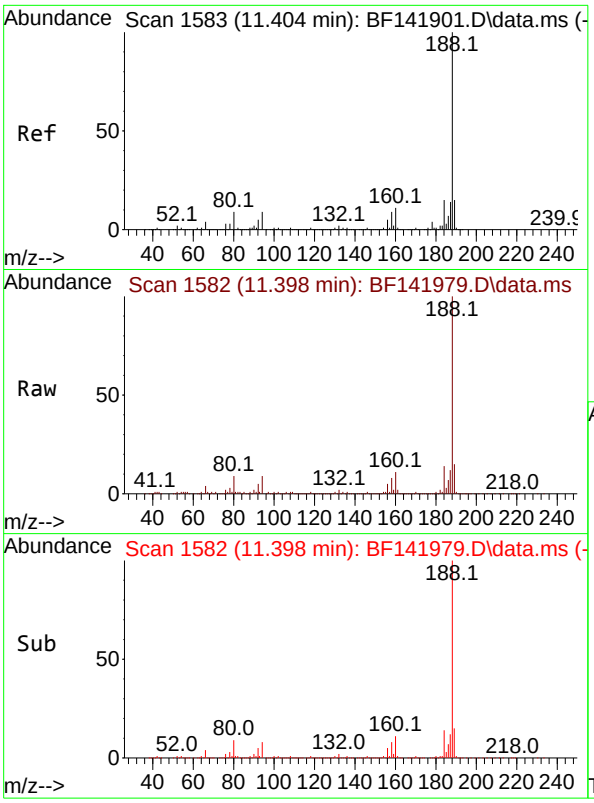




#45
2-Fluorobiphenyl
Concen: 20.097 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:172 Resp: 222557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.3 | 43.9 |
| 170 | 22.9 | 19.4 | 29.0 |



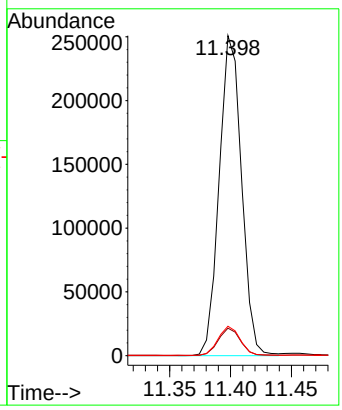


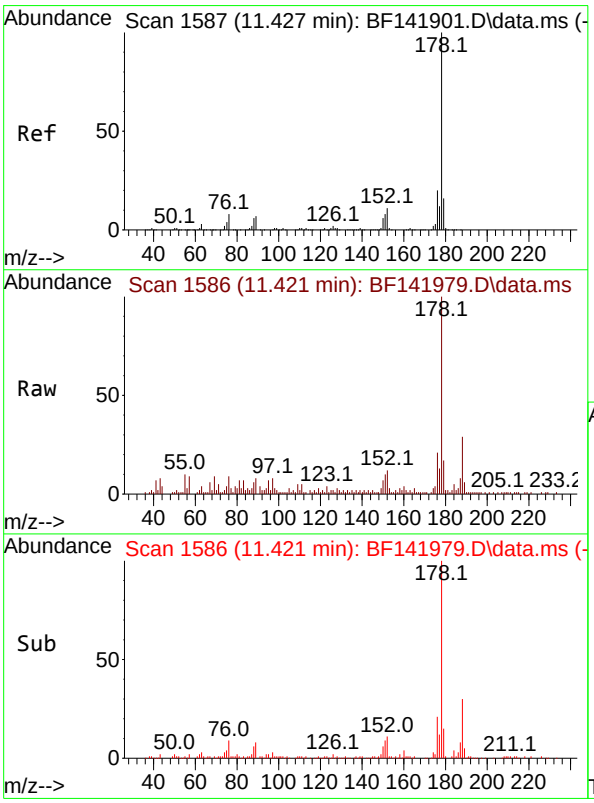

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:188 Resp: 320063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.8 | 10.2 |
| 80 | 9.2 | 7.6 | 11.4 |

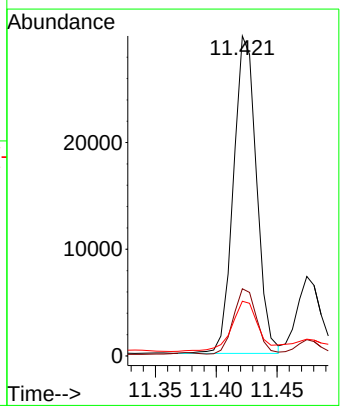


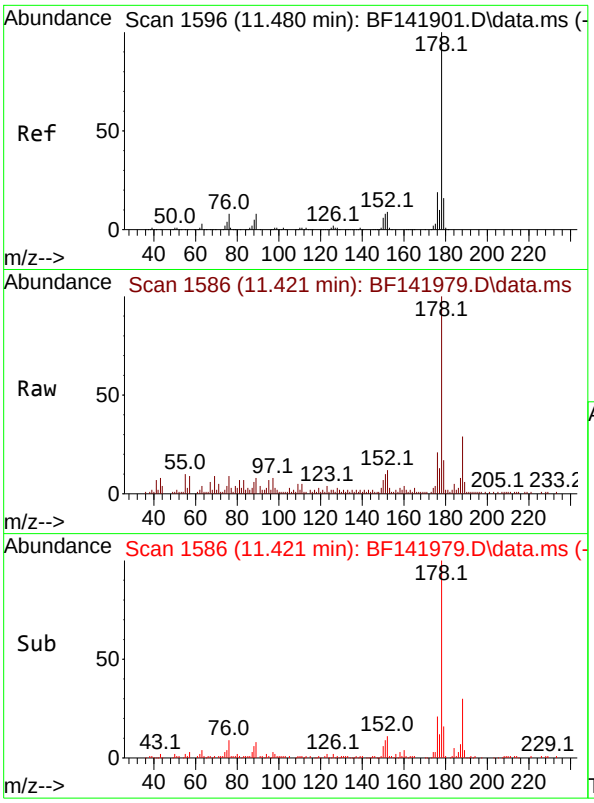




#71
Phenanthrene
Concen: 2.265 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:178 Resp: 39153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.0 | 15.8 | 23.8 |
| 179 | 17.1 | 12.6 | 19.0 |



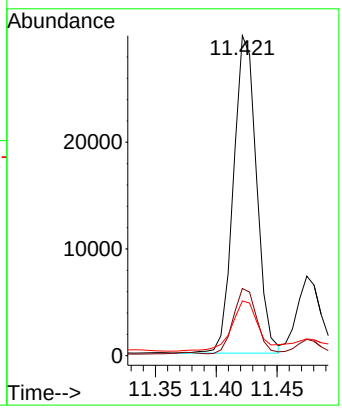


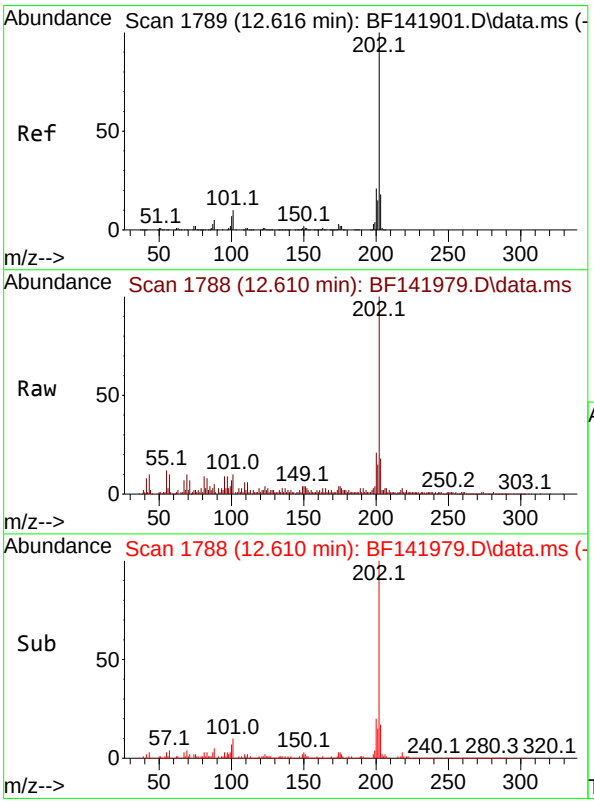

#72
Anthracene
Concen: 2.257 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:178 Resp: 39153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.0 | 15.1 | 22.7 |
| 179 | 17.1 | 12.6 | 19.0 |

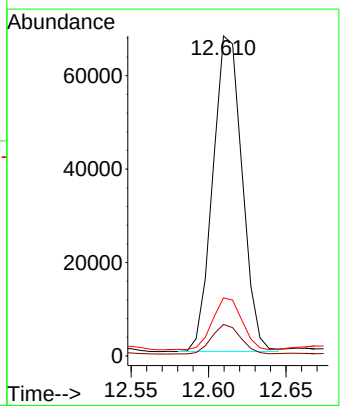


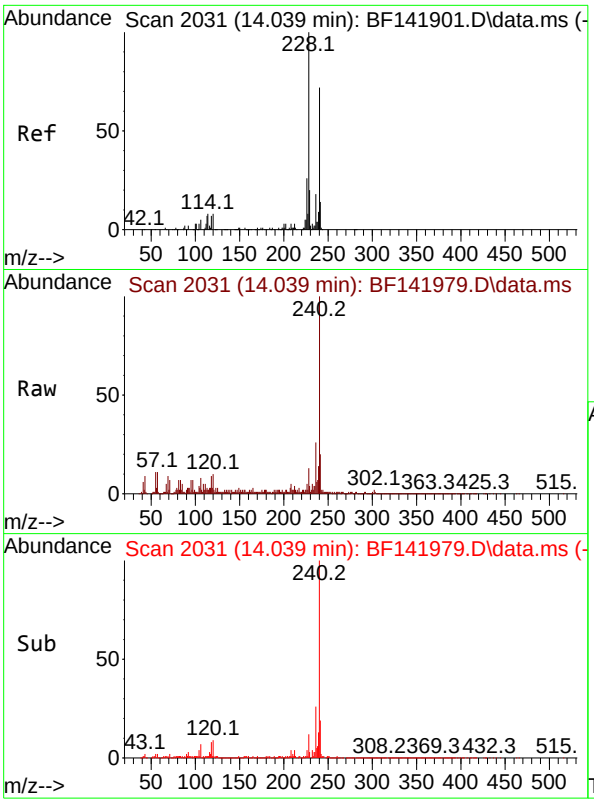




#75
Fluoranthene
Concen: 4.842 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:202 Resp: 88800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 29.7 |
| 203 | 18.1 | 0.0 | 37.8 |



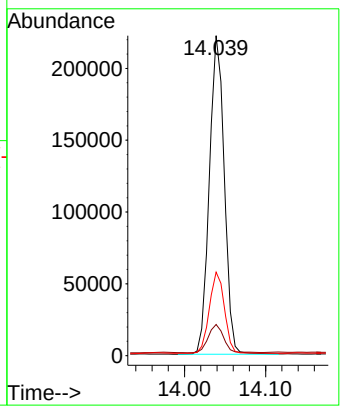


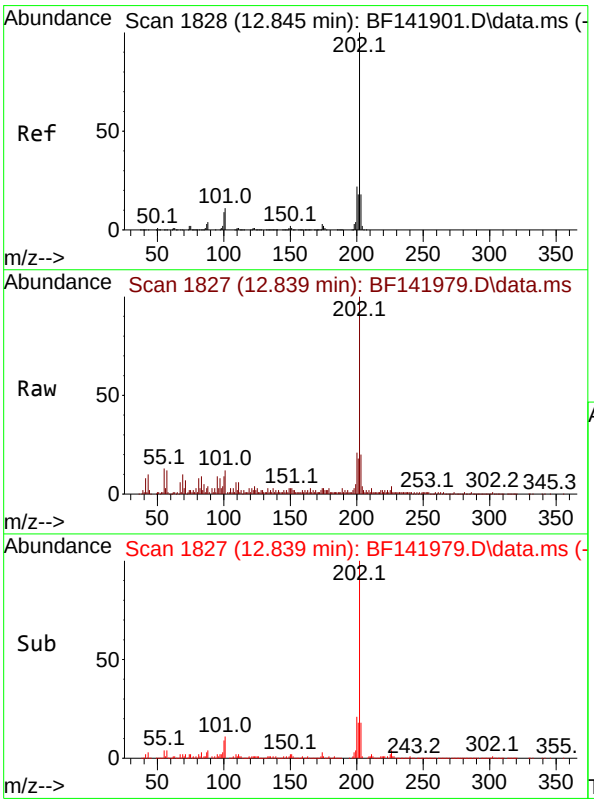

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:240 Resp: 283429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.4 | 12.6 |
| 236 | 26.1 | 20.5 | 30.7 |

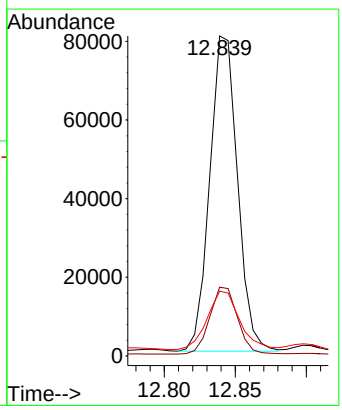


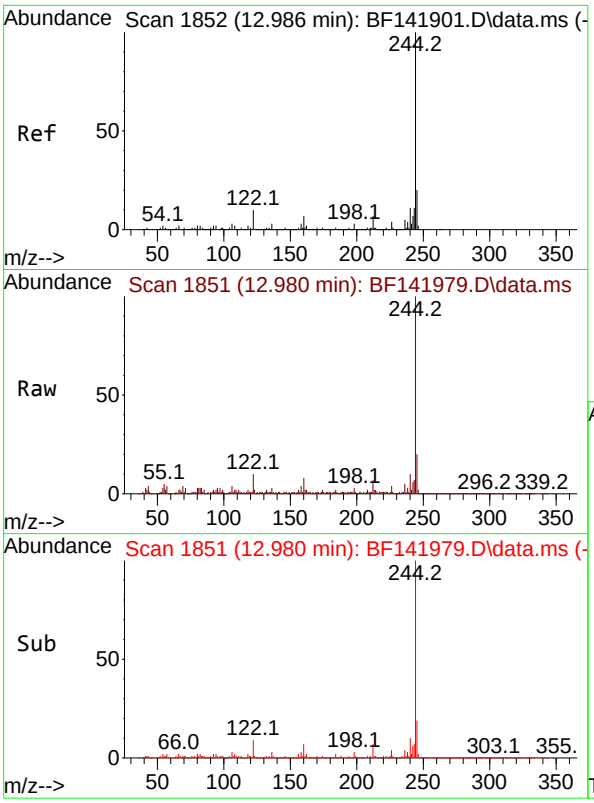




#78
Pyrene
Concen: 4.446 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:202 Resp: 108995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.3 | 25.9 |
| 203 | 20.3 | 14.4 | 21.6 |



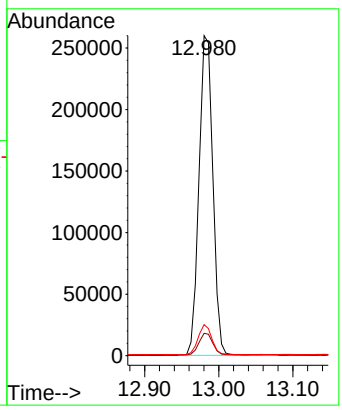


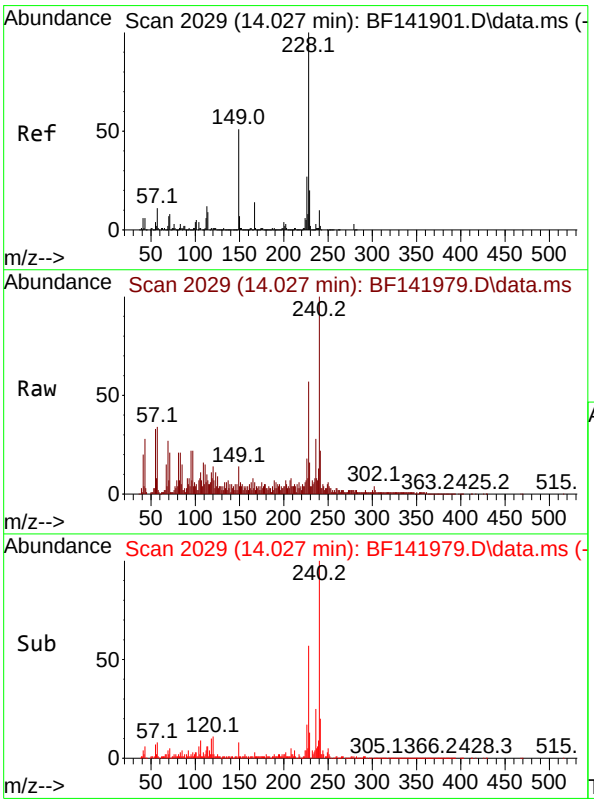

#79
Terphenyl-d14
Concen: 17.636 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:244 Resp: 338084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 9.7 | 7.7 | 11.5 |

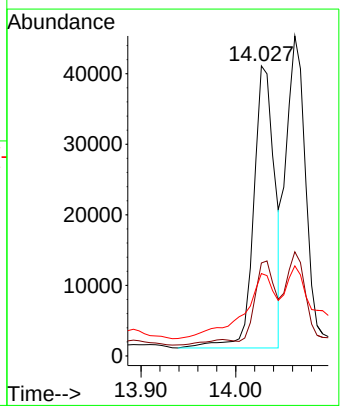


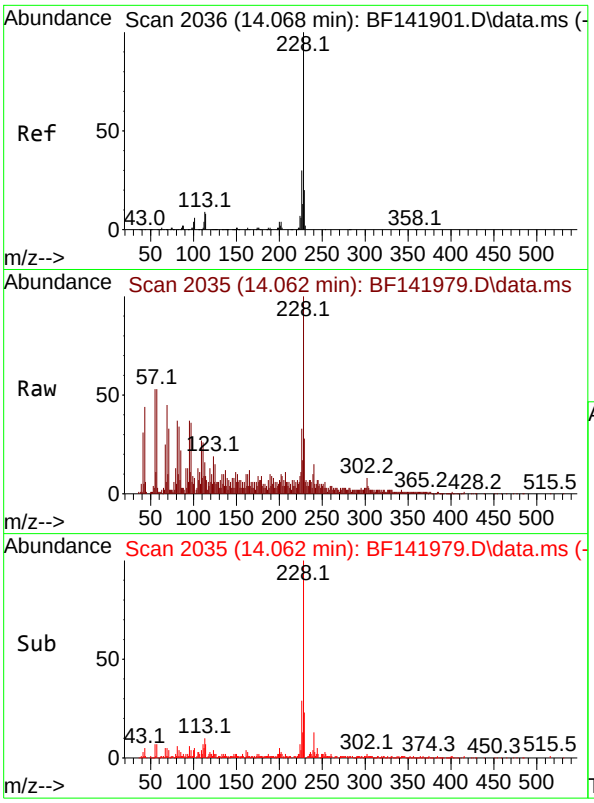




#81
Benzo(a)anthracene
Concen: 3.309 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:228 Resp: 61546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 21.8 | 32.8 |
| 229 | 28.4 | 16.0 | 24.0# |



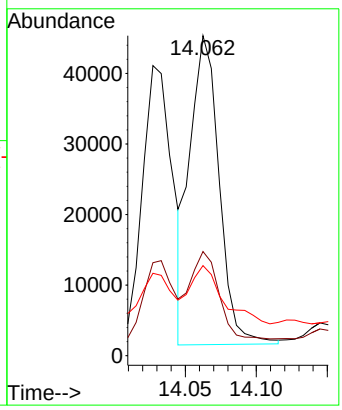


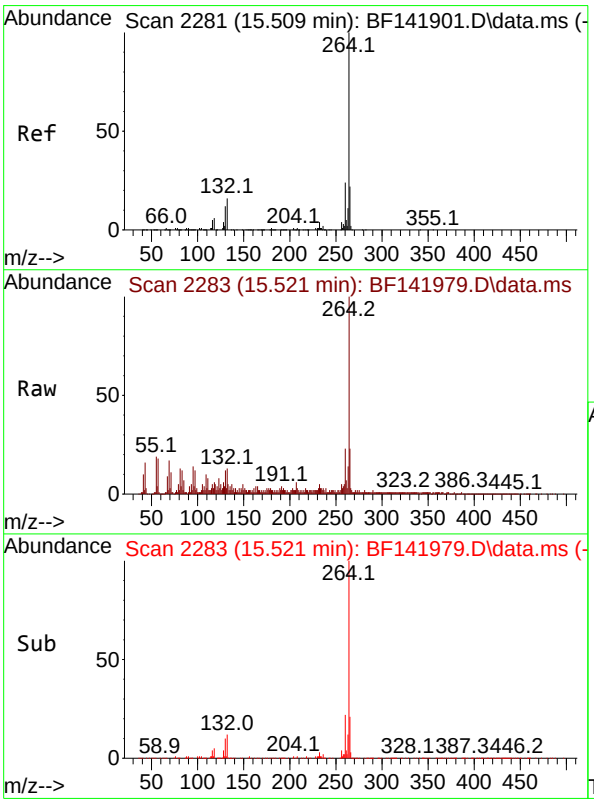

#83
Chrysene
Concen: 3.718 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:228 Resp: 62685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.1 | 36.1 |
| 229 | 28.2 | 15.7 | 23.5# |

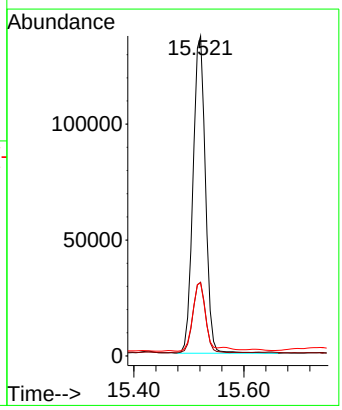


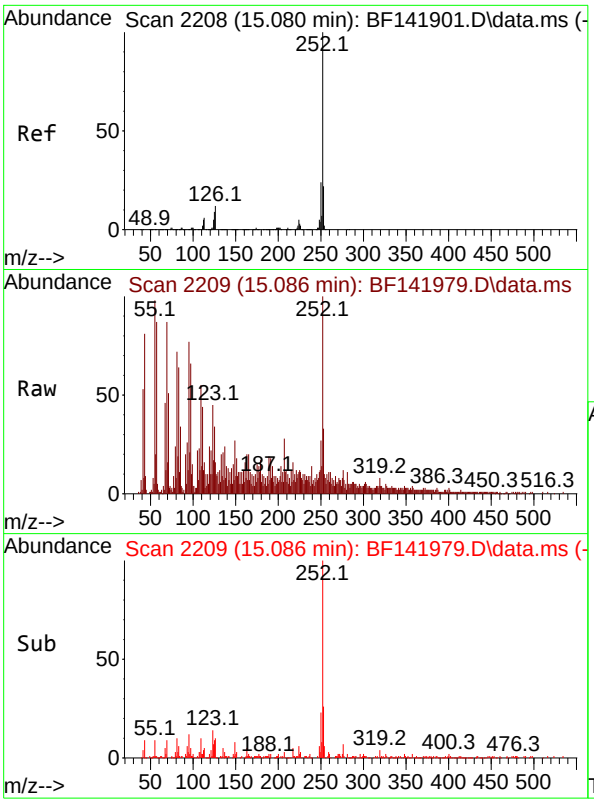




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:264 Resp: 214029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 22.8 | 17.5 | 26.3 |



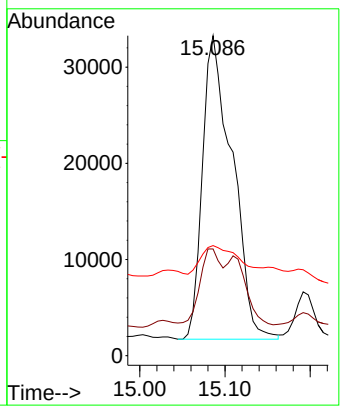


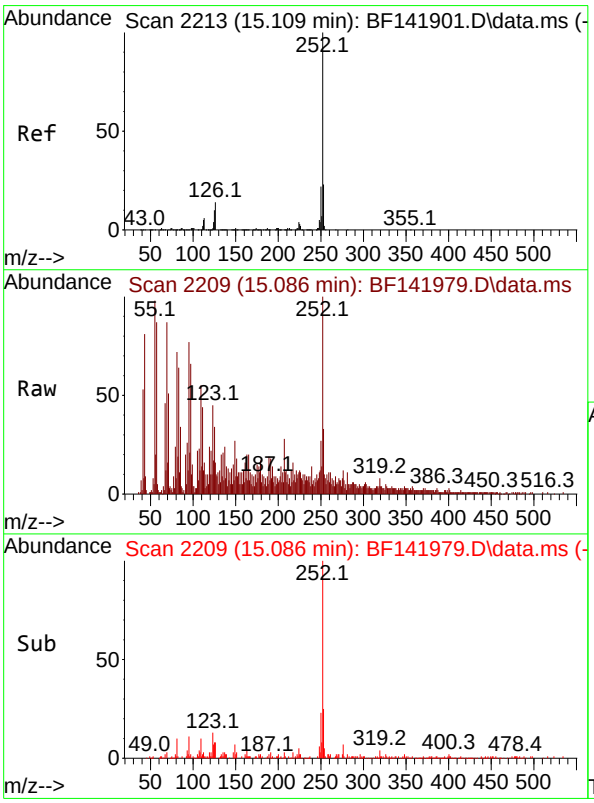

#88
Benzo(b)fluoranthene
Concen: 5.225 ng
RT: 15.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:252 Resp: 76641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.4 | 17.5 | 26.3# |
| 125 | 34.4 | 7.0 | 10.4# |

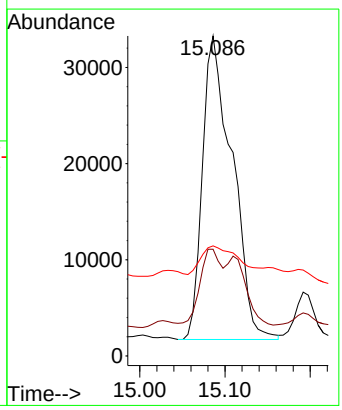


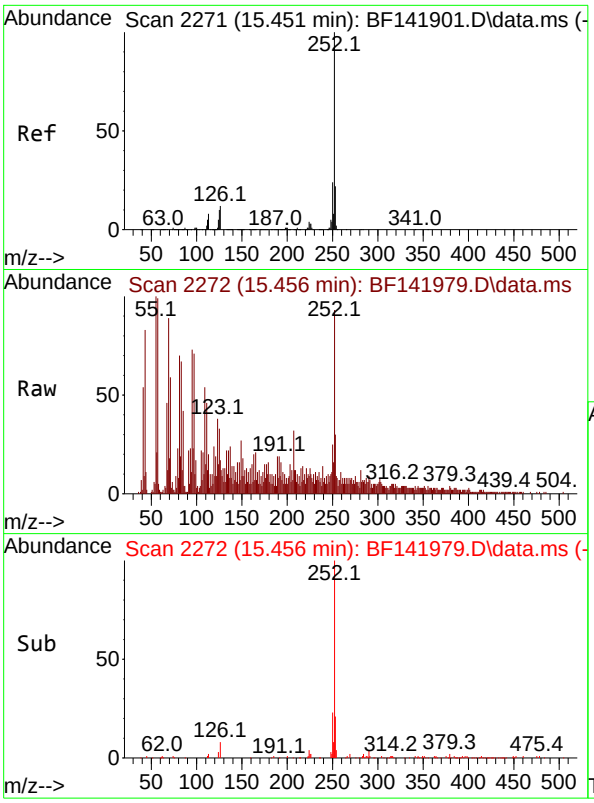




#89
Benzo(k)fluoranthene
Concen: 6.105 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:252 Resp: 76641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.4 | 17.7 | 26.5# |
| 125 | 34.4 | 7.2 | 10.8# |



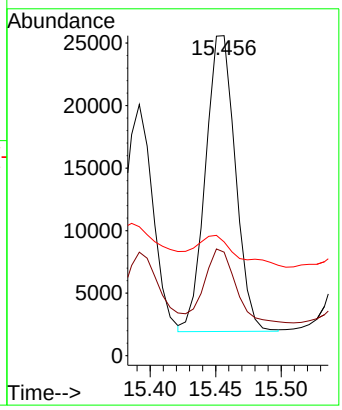


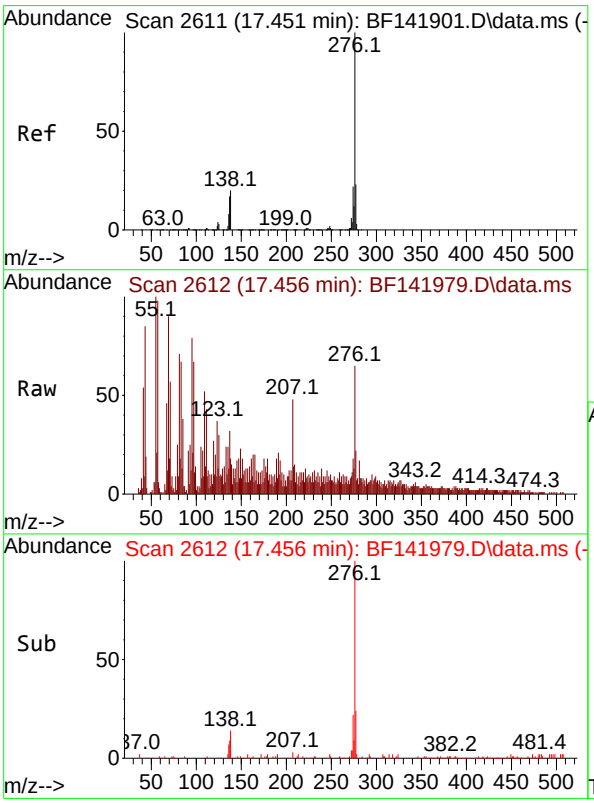

#90
Benzo(a)pyrene
Concen: 3.271 ng
RT: 15.456 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

**Instrument :**
BNA_F
**ClientSampleId :**
TR-06-031425

Tgt Ion:252 Resp: 37539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.3 | 17.4 | 26.0# |
| 125 | 35.5 | 7.8 | 11.8# |




#92
Benzo(g,h,i)perylene
Concen: 2.248 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:276 Resp: 25372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 34.0 | 18.7 | 28.1# |
| 138 | 27.6 | 15.8 | 23.8# |