Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064554.D
Acq On : 20 Oct 2025 18:05
Operator : RC/JU
Sample : Q3392-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Quant Time: Oct 20 18:41:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.823 | 152 | 14720 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.608 | 136 | 60088 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.445 | 164 | 42825 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.189 | 188 | 100458 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.413 | 240 | 108172 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.404 | 264 | 124033 | 20.000 | ng | # 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.420 | 112 | 82703 | 103.979 | ng | 0.01 |
| 7) Phenol-d6 | 7.001 | 99 | 105862 | 99.042 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.975 | 82 | 73277 | 65.572 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.937 | 330 | 78648 | 101.316 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.070 | 172 | 177787 | 61.193 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.809 | 244 | 355874 | 62.261 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.969 | 70 | 11200 | 15.668 | ng | # 63 |
| 51) 2,6-Dinitrotoluene | 14.445 | 165 | 5808 | 8.313 | ng | # 12 |
| 57) 2,4-Dinitrotoluene | 14.445 | 165 | 5808 | 5.438 | ng | # 21 |
| 63) Azobenzene | 15.808 | 77 | 9739 | 3.495 | ng | # 24 |
| 67) 4-Bromophenyl-phenylether | 15.937 | 248 | 5401 | 4.569 | ng | # 1 |
| 71) Phenanthrene | 17.230 | 178 | 27304 | 5.197 | ng | 95 |
| 72) Anthracene | 17.230 | 178 | 27304 | 5.181 | ng | 95 |
| 75) Fluoranthene | 19.239 | 202 | 52553 | 8.373 | ng | 96 |
| 77) Benzidine | 19.809 | 184 | 7665 | 2.848 | ng | # 88 |
| 78) Pyrene | 19.604 | 202 | 67218 | 9.575 | ng | 100 |
| 81) Benzo(a)anthracene | 21.396 | 228 | 33564 | 4.860 | ng | # 95 |
| 83) Chrysene | 21.396 | 228 | 33564 | 5.124 | ng | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 27.765 | 276 | 19708 | 2.283 | ng | # 80 |
| 88) Benzo(b)fluoranthene | 23.458 | 252 | 39512 | 5.600 | ng | # 93 |
| 89) Benzo(k)fluoranthene | 23.458 | 252 | 39512 | 5.560 | ng | # 93 |
| 90) Benzo(a)pyrene | 24.263 | 252 | 31330 | 4.818 | ng | # 89 |

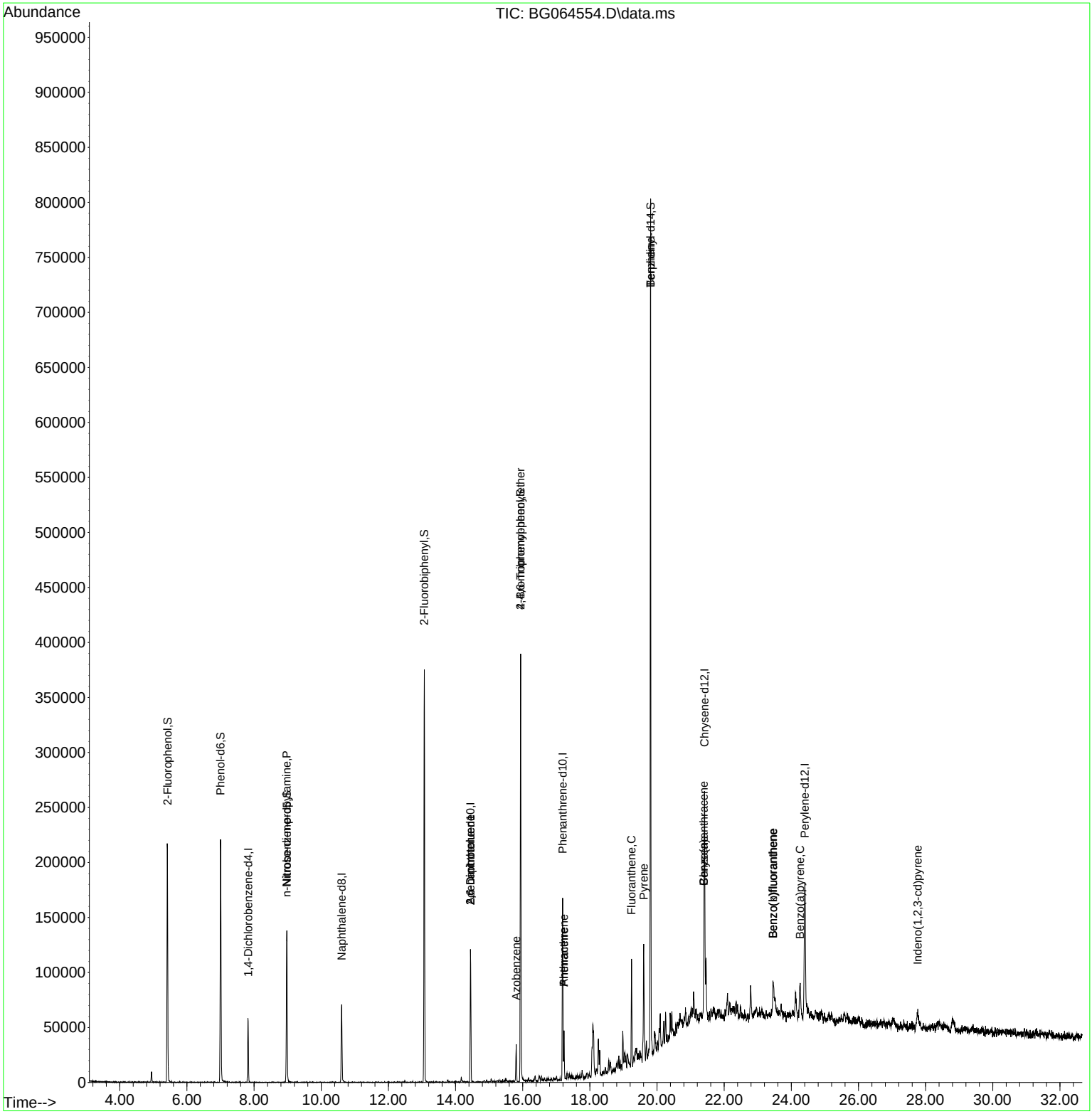
(#) = qualifier out of range (m) = manual integration (+) = signals summed

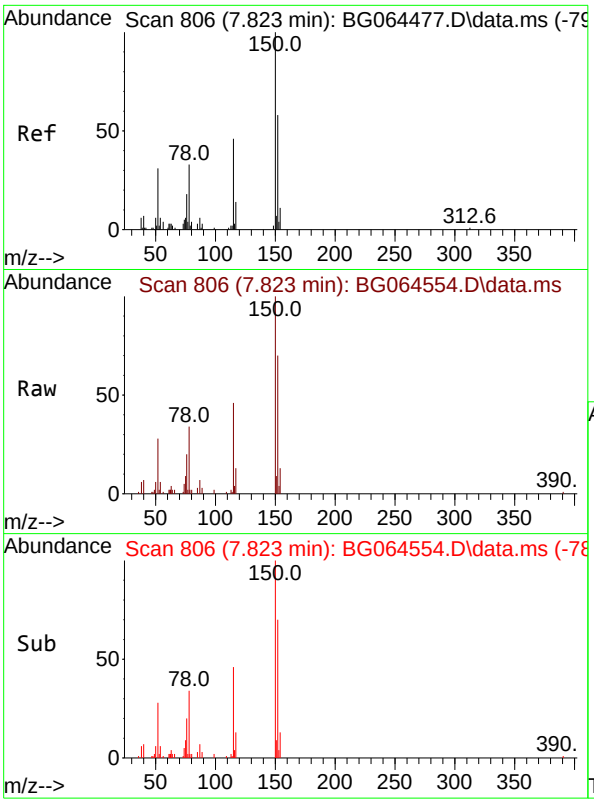
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064554.D
Acq On : 20 Oct 2025 18:05
Operator : RC/JU
Sample : Q3392-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Quant Time: Oct 20 18:41:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



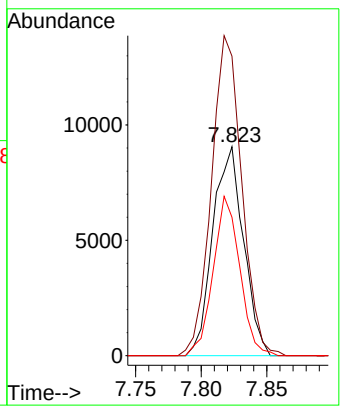


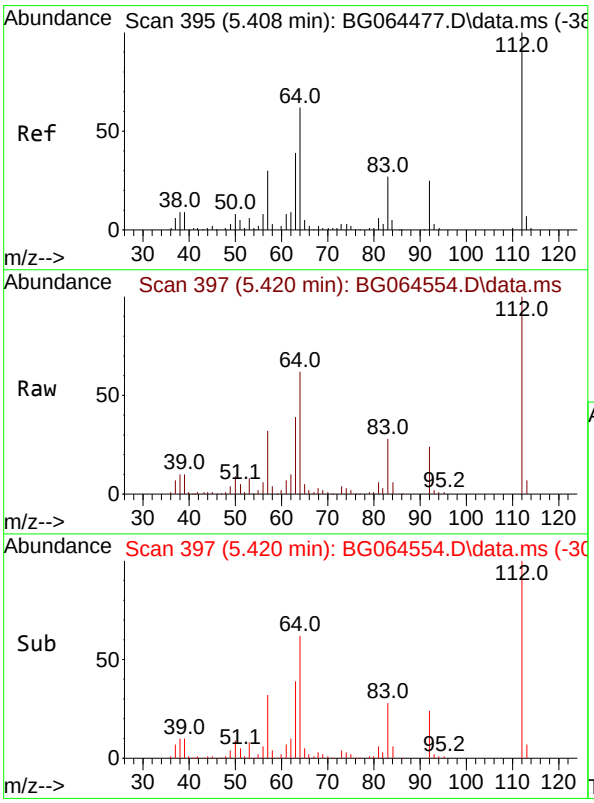

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:152 Resp: 14720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 143.4 | 138.6 | 207.8 |
| 115 | 66.3 | 63.4 | 95.2 |

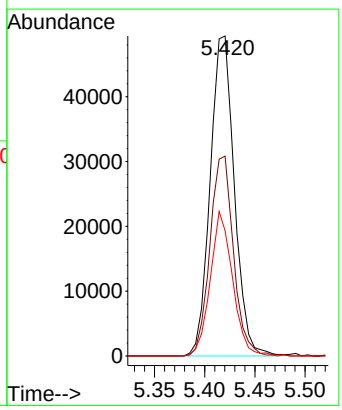


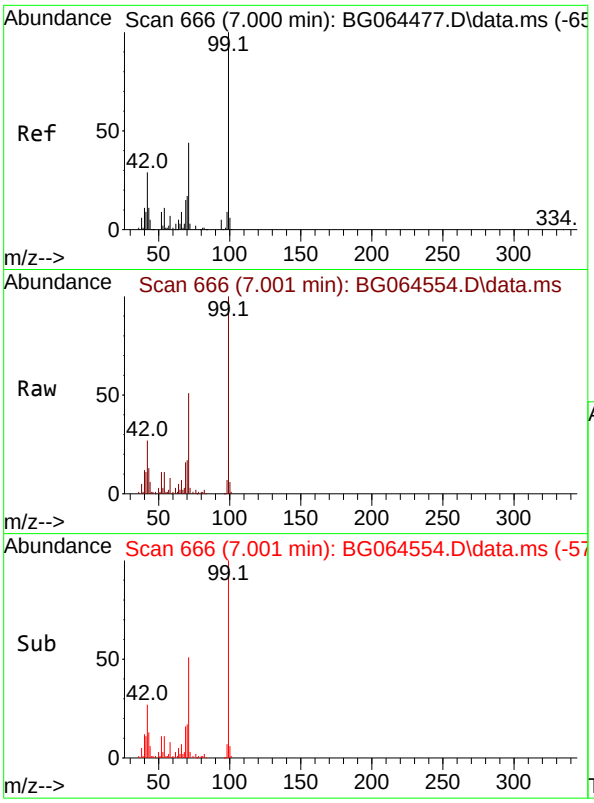




#5
2-Fluorophenol
Concen: 103.979 ng
RT: 5.420 min Scan# 397
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:112 Resp: 82703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.5 | 49.8 | 74.8 |
| 63 | 39.1 | 31.3 | 46.9 |



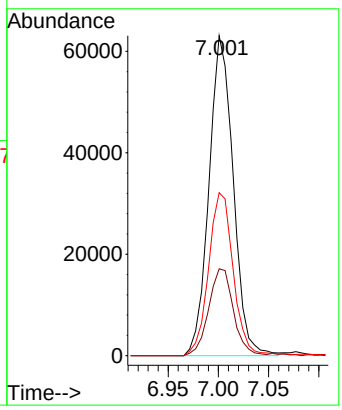


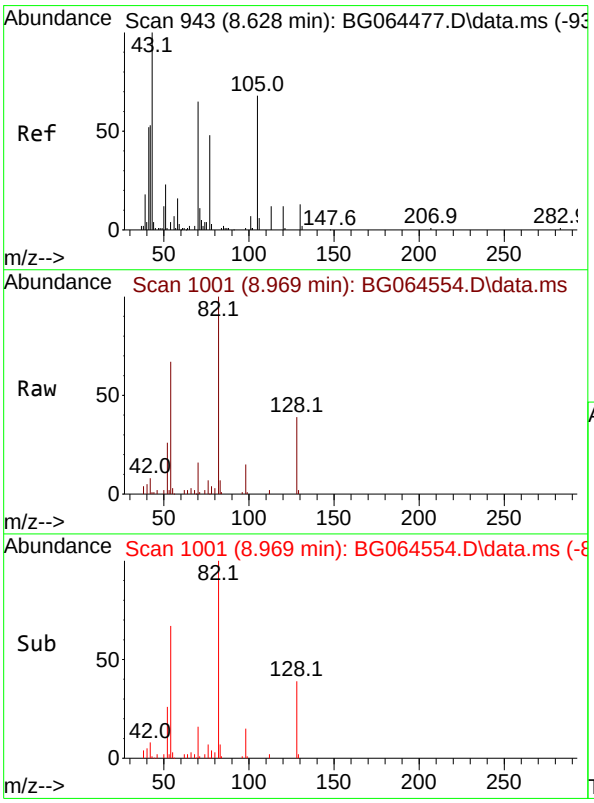

#7
Phenol-d6
Concen: 99.042 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion: 99 Resp: 105862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.1 | 22.9 | 34.3 |
| 71 | 51.0 | 35.4 | 53.2 |

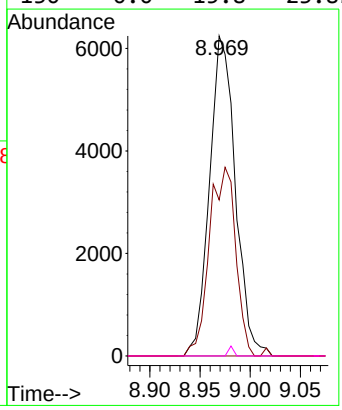


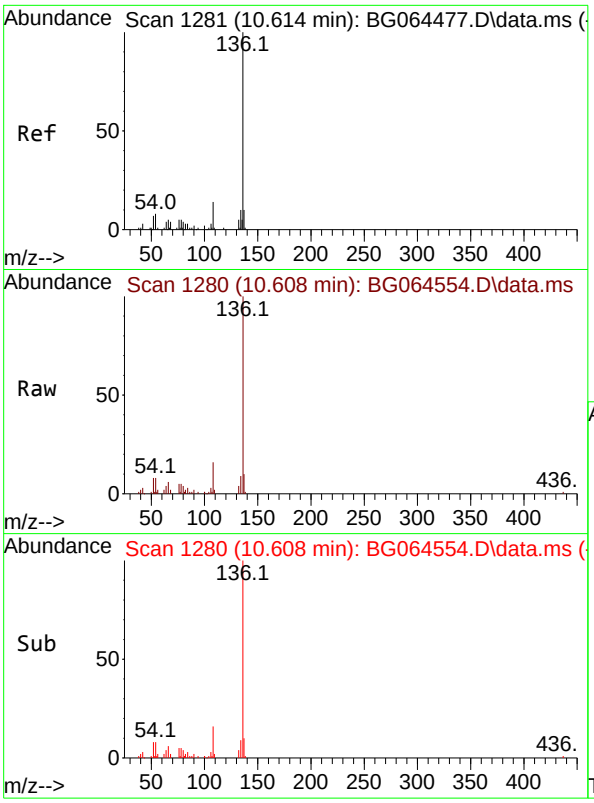




#19
n-Nitroso-di-n-propylamine
Concen: 15.668 ng
RT: 8.969 min Scan# 1001
Delta R.T. 0.355 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion: 70 Resp: 11200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.7 | 64.9 | 97.3# |
| 101 | 0.0 | 8.7 | 13.1# |
| 130 | 0.0 | 15.8 | 23.8# |



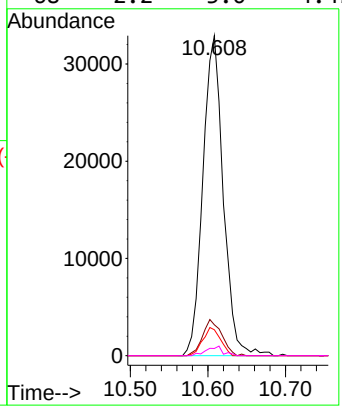


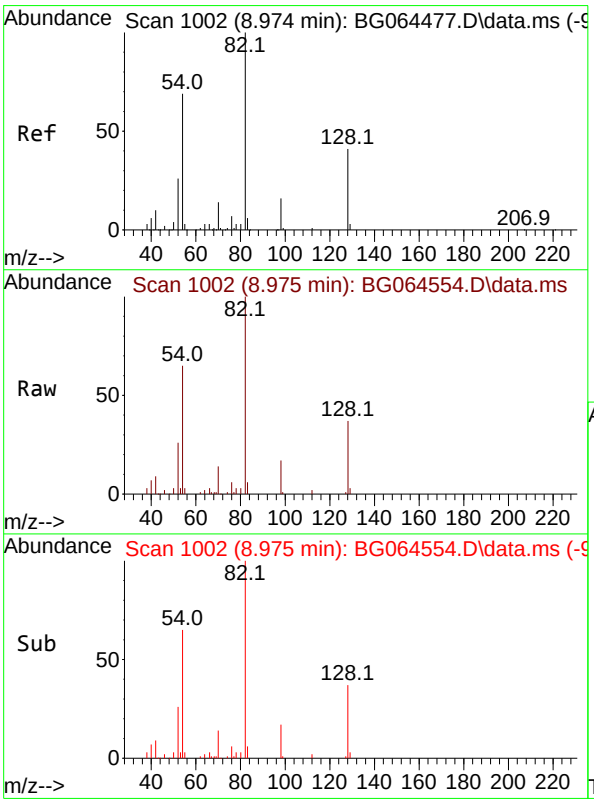

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:136 Resp: 60088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.7 | 8.3 | 12.5 |
| 54 | 8.1 | 6.2 | 9.4 |
| 68 | 2.2 | 3.0 | 4.4# |

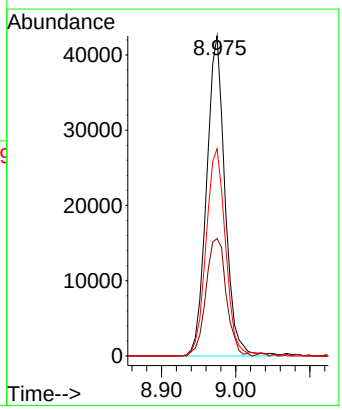


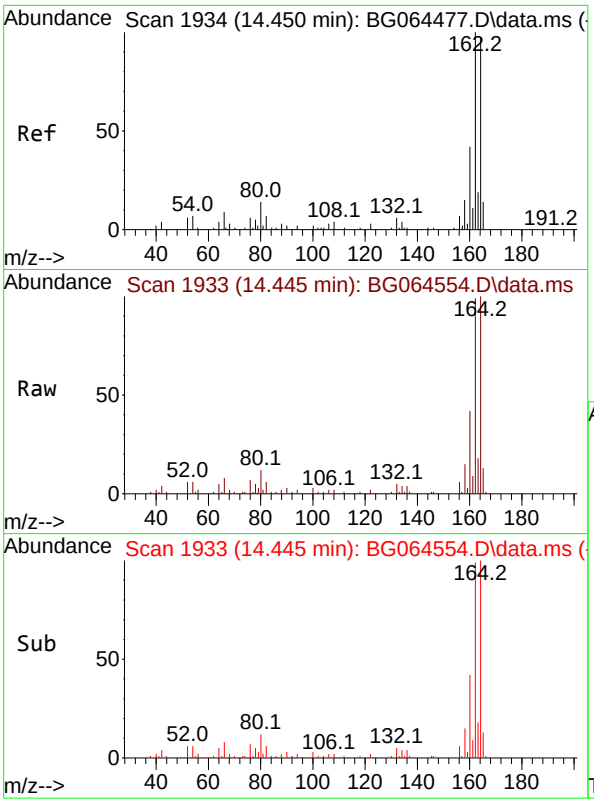




#23
Nitrobenzene-d5
Concen: 65.572 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.009 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion: 82 Resp: 73277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.7 | 33.1 | 49.7 |
| 54 | 64.7 | 55.4 | 83.2 |



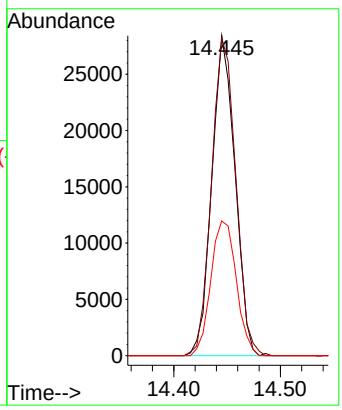


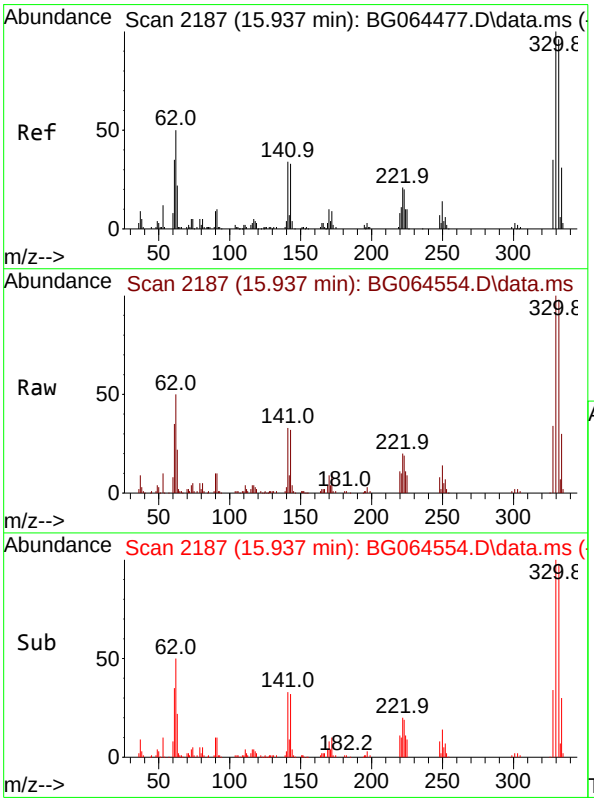

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:164 Resp: 42825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 82.2 | 123.2 |
| 160 | 42.1 | 34.3 | 51.5 |

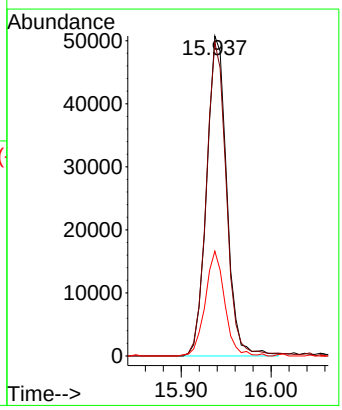


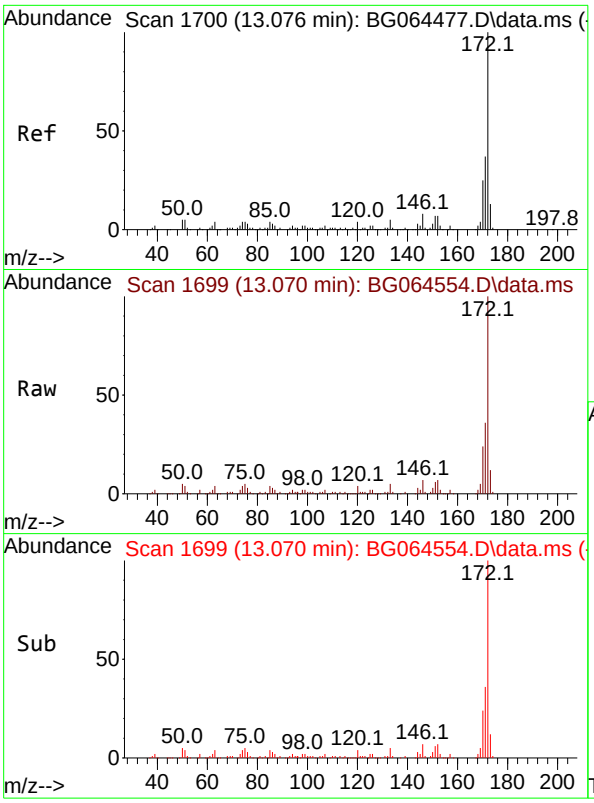




#42
2,4,6-Tribromophenol
Concen: 101.316 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:330 Resp: 78648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 77.4 | 116.0 |
| 141 | 31.8 | 25.8 | 38.6 |



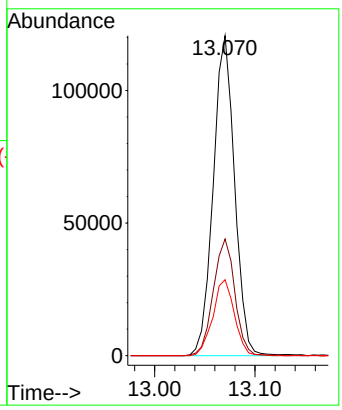


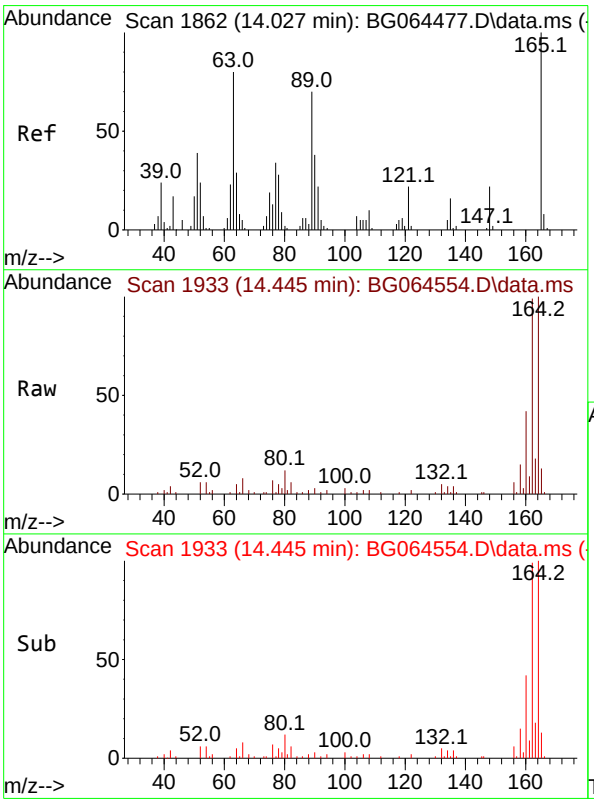

#45
2-Fluorobiphenyl
Concen: 61.193 ng
RT: 13.070 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:172 Resp: 177787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.6 | 44.4 |
| 170 | 23.8 | 20.2 | 30.2 |

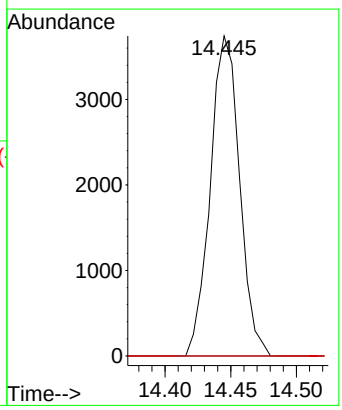


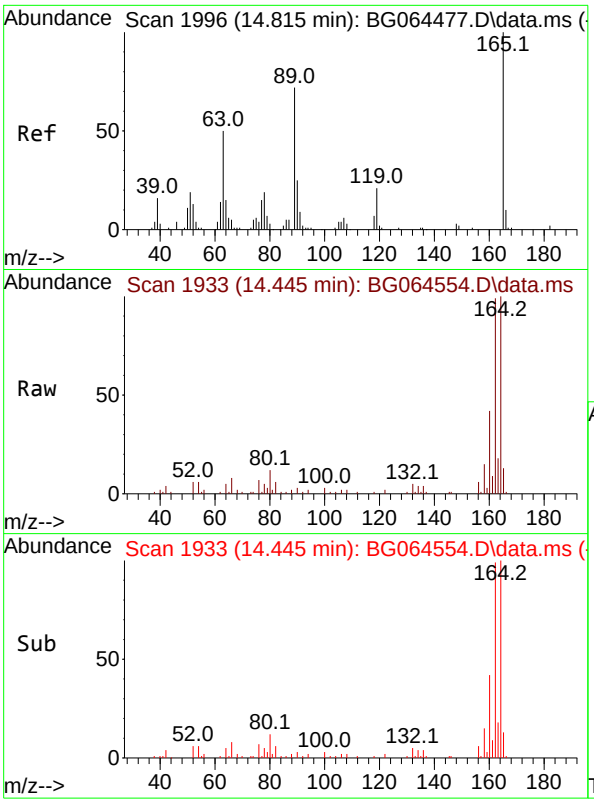




#51
2,6-Dinitrotoluene
Concen: 8.313 ng
RT: 14.445 min Scan# 1933
Delta R.T. 0.426 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:165 Resp: 5808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 63.9 | 95.9# |
| 89 | 0.0 | 56.1 | 84.1# |



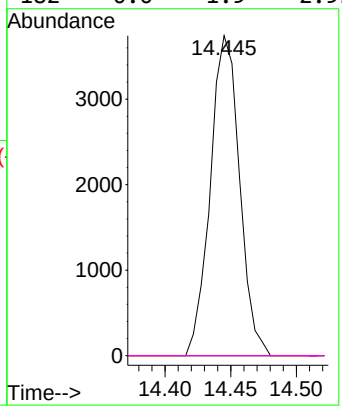


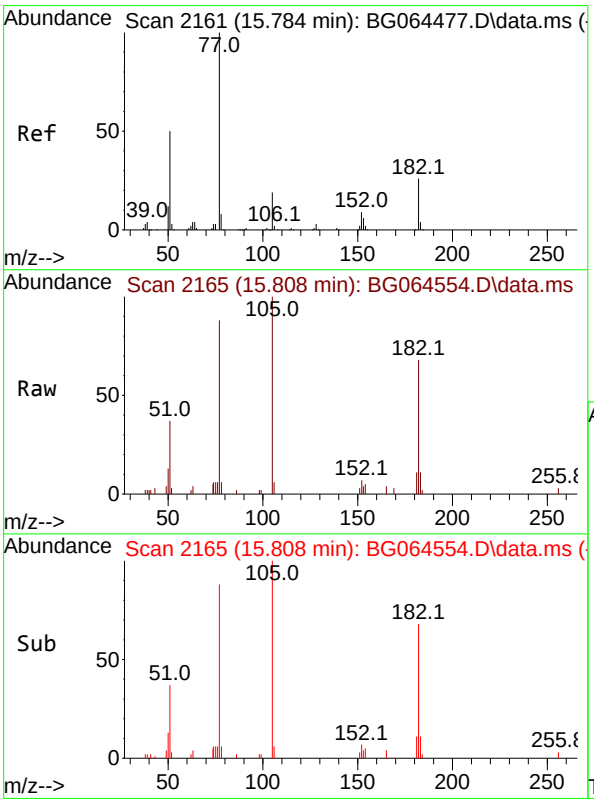

#57
2,4-Dinitrotoluene
Concen: 5.438 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.367 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:165 Resp: 5808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 40.4 | 60.6# |
| 89 | 0.0 | 57.3 | 85.9# |
| 182 | 0.0 | 1.9 | 2.9# |

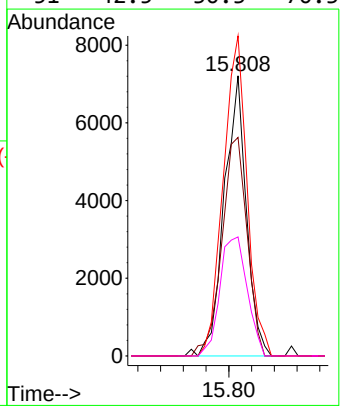


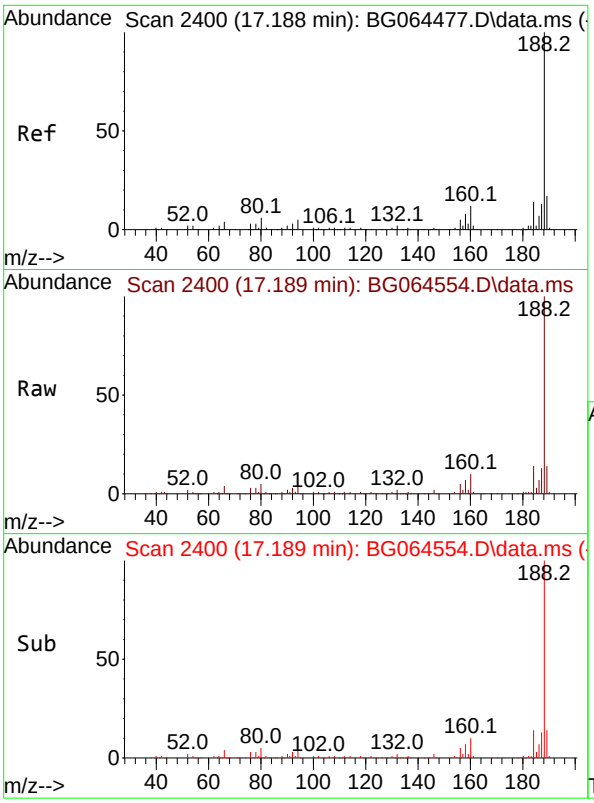




#63
Azobenzene
Concen: 3.495 ng
RT: 15.808 min Scan# 2165
Delta R.T. 0.026 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion: 77 Resp: 9739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 78.0 | 6.3 | 46.3# |
| 105 | 114.2 | 0.0 | 38.7# |
| 51 | 42.5 | 30.3 | 70.3 |



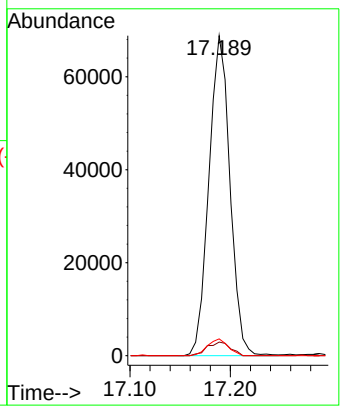


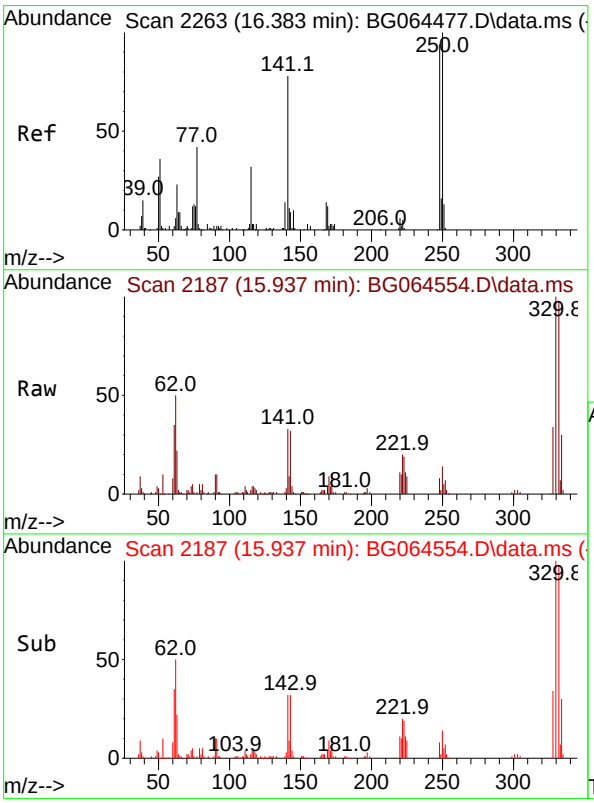

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:188 Resp: 100458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.2 | 3.7 | 5.5 |
| 80 | 5.3 | 4.5 | 6.7 |

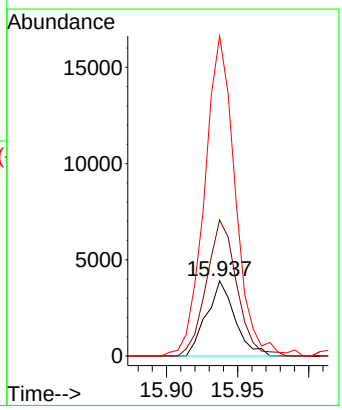


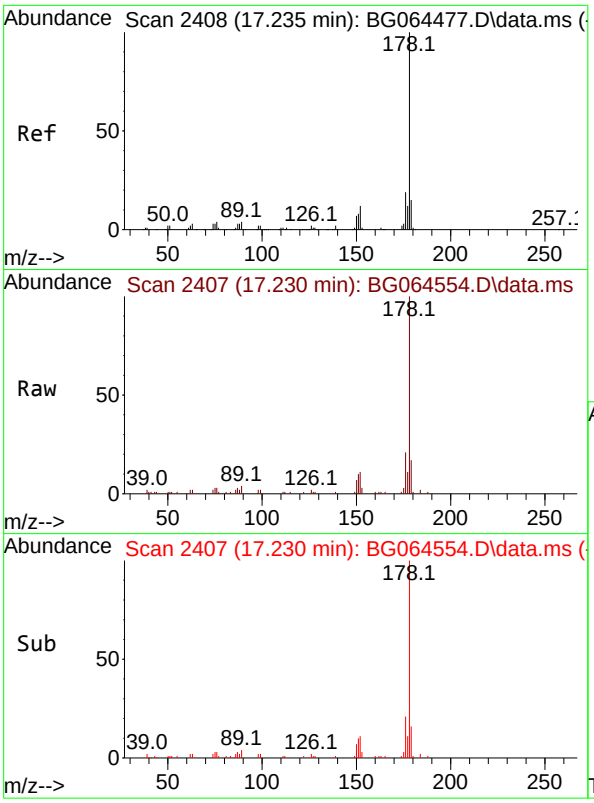




#67
4-Bromophenyl-phenylether
Concen: 4.569 ng
RT: 15.937 min Scan# 2187
Delta R.T. -0.444 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:248 Resp: 5401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 181.0 | 85.3 | 127.9# |
| 141 | 426.0 | 66.2 | 99.2# |



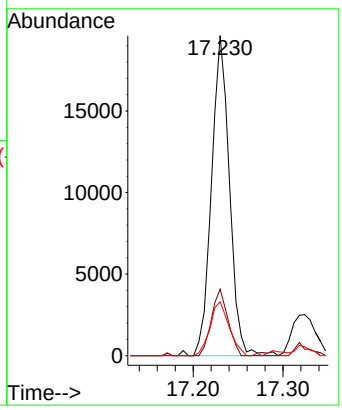


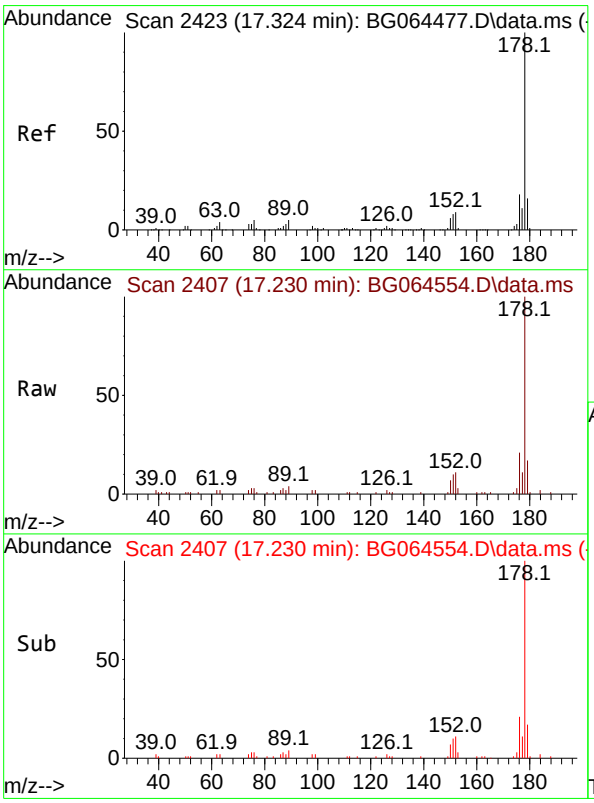

#71
Phenanthrene
Concen: 5.197 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:178 Resp: 27304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.8 | 15.2 | 22.8 |
| 179 | 16.8 | 11.8 | 17.6 |

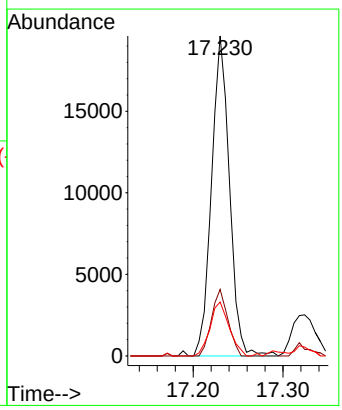


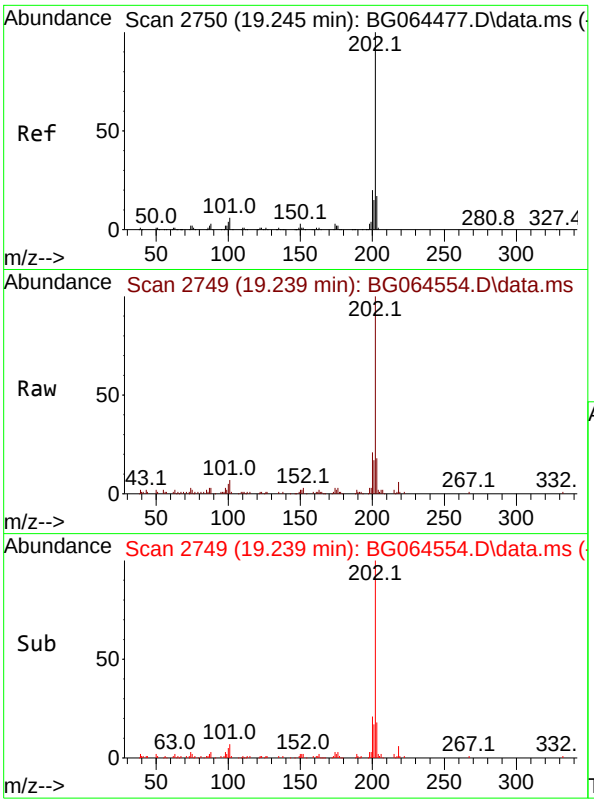




#72
Anthracene
Concen: 5.181 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.091 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:178 Resp: 27304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.8 | 14.6 | 21.8 |
| 179 | 16.8 | 12.5 | 18.7 |



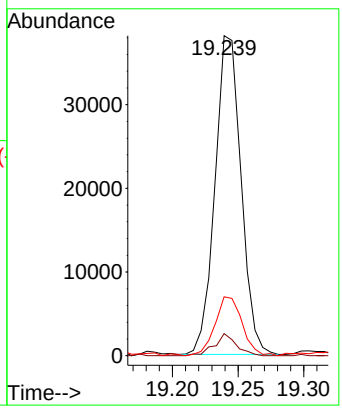


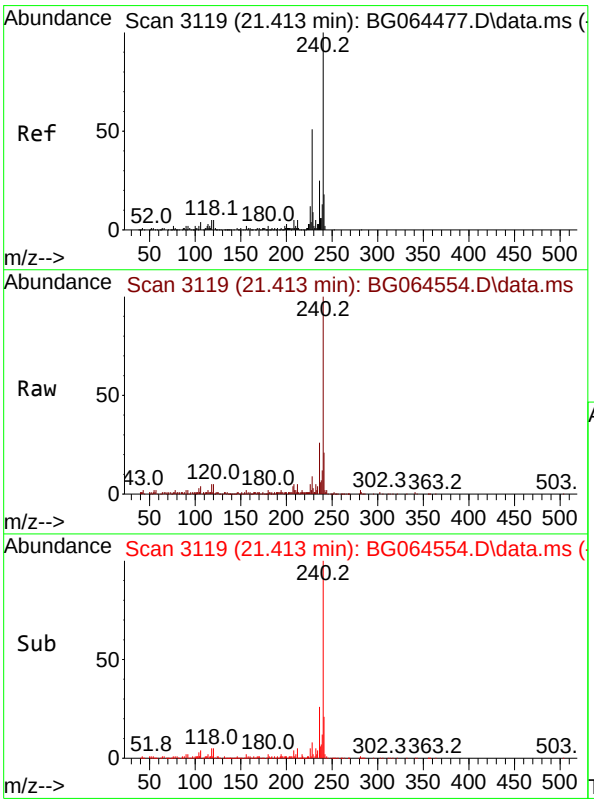

#75
Fluoranthene
Concen: 8.373 ng
RT: 19.239 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:202 Resp: 52553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.9 | 0.0 | 25.7 |
| 203 | 18.4 | 0.0 | 36.6 |

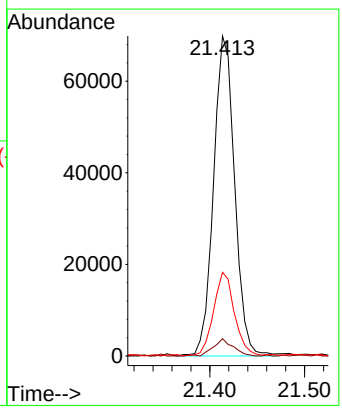


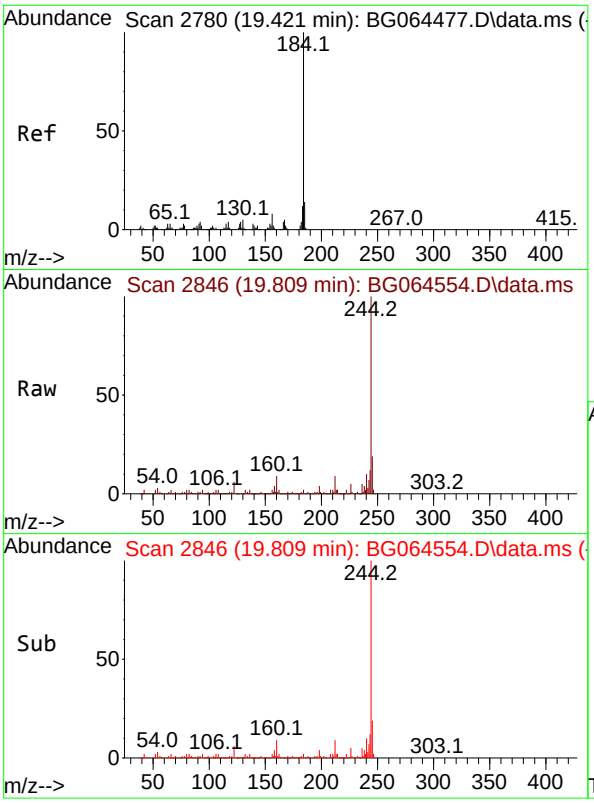




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:240 Resp: 108172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.4 | 4.3 | 6.5 |
| 236 | 26.2 | 20.4 | 30.6 |



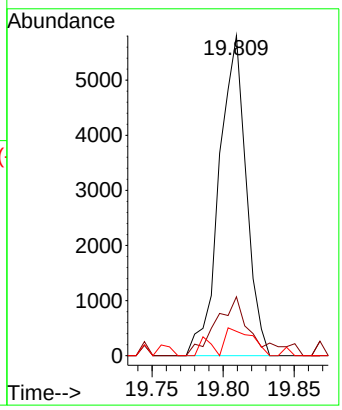


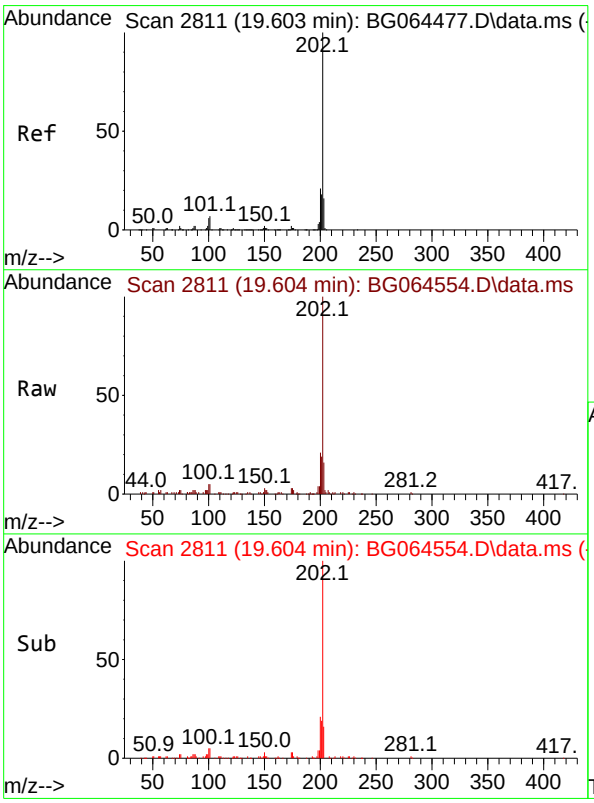

#77
Benzidine
Concen: 2.848 ng
RT: 19.809 min Scan# 2
Delta R.T. 0.384 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:184 Resp: 7665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.4 | 10.9 | 16.3# |
| 183 | 7.6 | 9.8 | 14.6# |

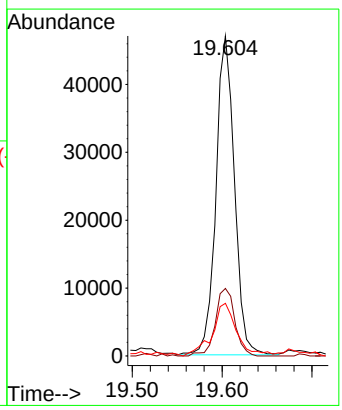


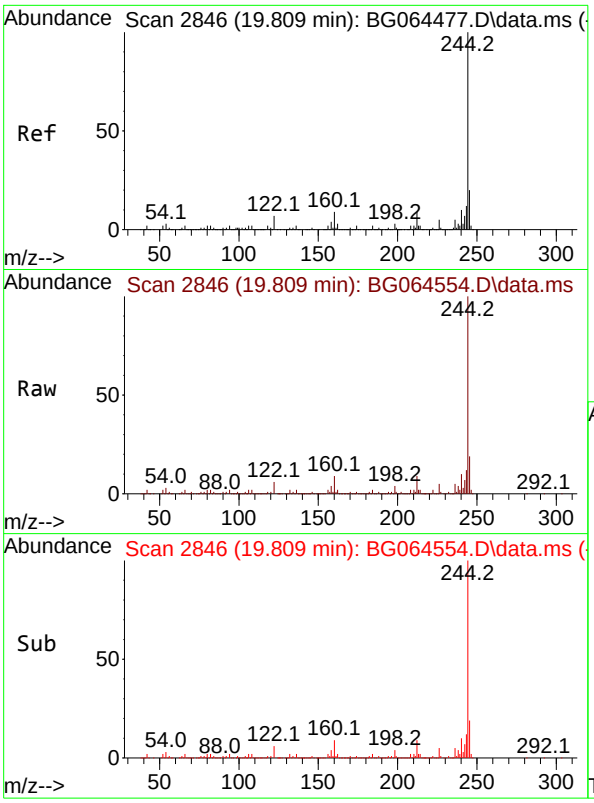




#78
Pyrene
Concen: 9.575 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:202 Resp: 67218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.0 | 25.4 |
| 203 | 16.5 | 13.0 | 19.4 |



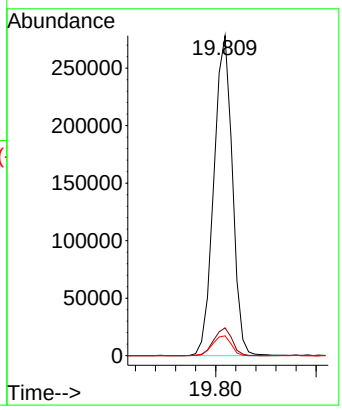


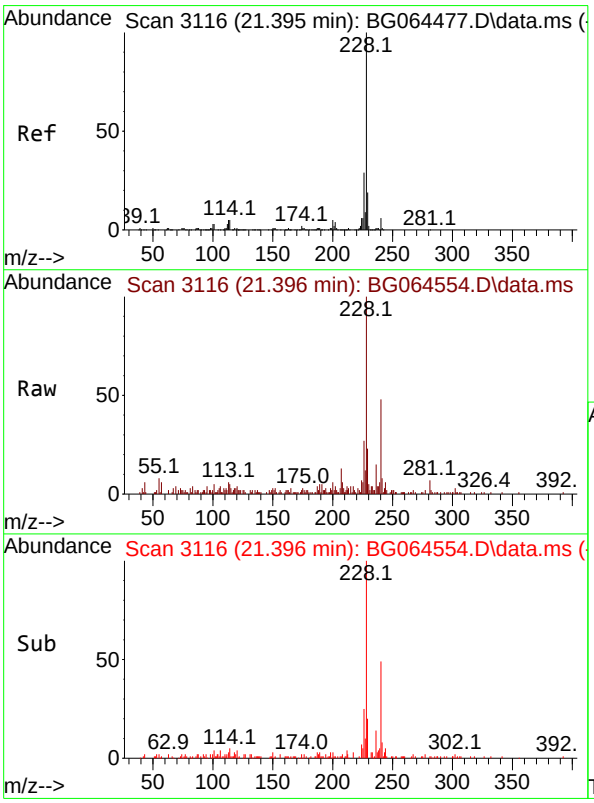

#79
Terphenyl-d14
Concen: 62.261 ng
RT: 19.809 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:244 Resp: 355874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 7.0 | 10.6 |
| 122 | 6.2 | 5.6 | 8.4 |

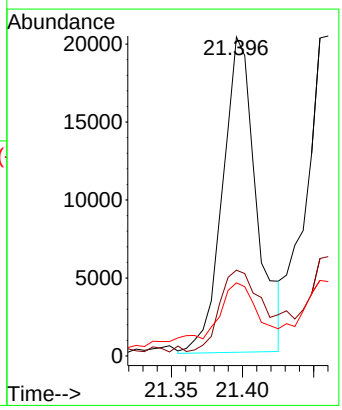


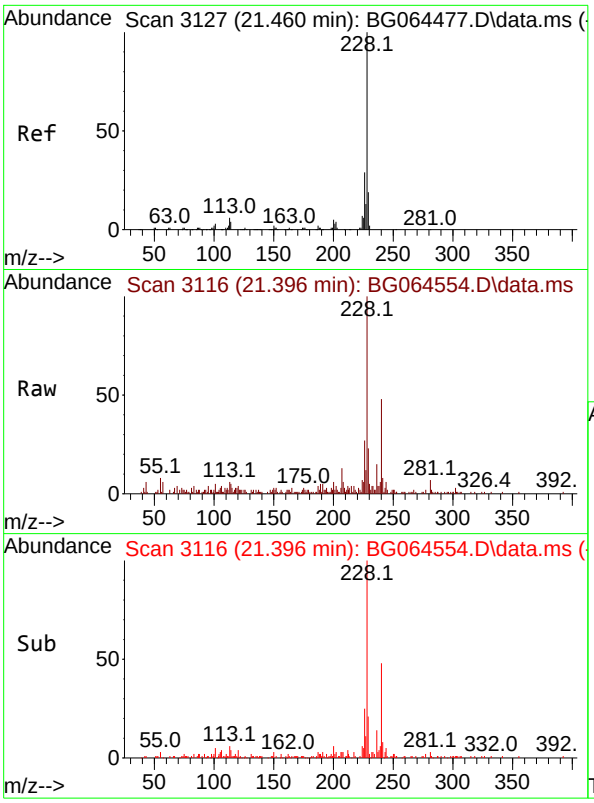




#81
Benzo(a)anthracene
Concen: 4.860 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:228 Resp: 33564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 22.8 | 34.2 |
| 229 | 22.9 | 15.2 | 22.8# |



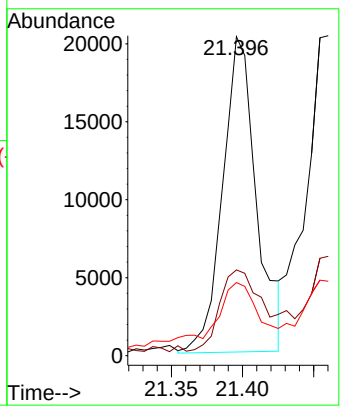


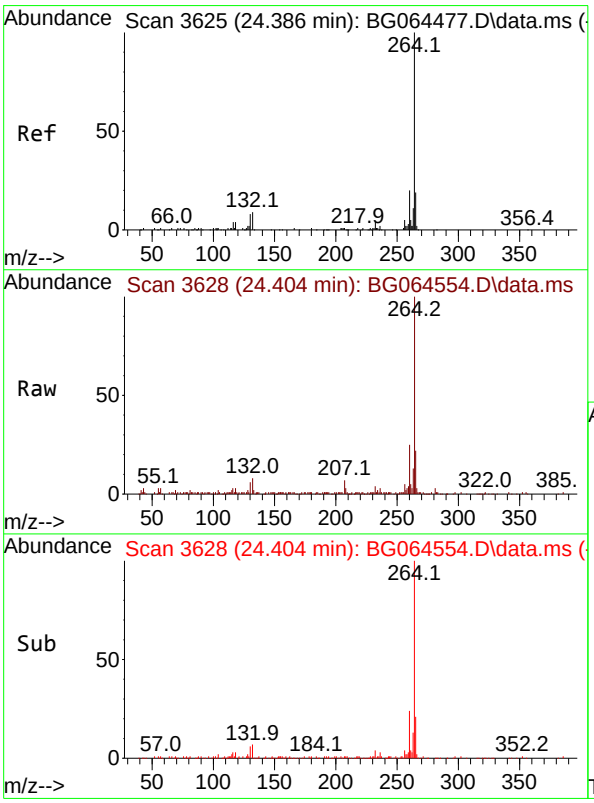

#83
Chrysene
Concen: 5.124 ng
RT: 21.396 min Scan# 3
Delta R.T. -0.056 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:228 Resp: 33564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 22.8 | 34.2 |
| 229 | 22.9 | 15.4 | 23.0 |

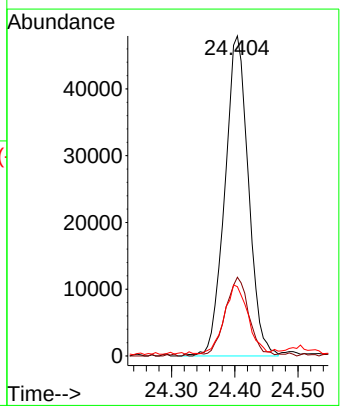


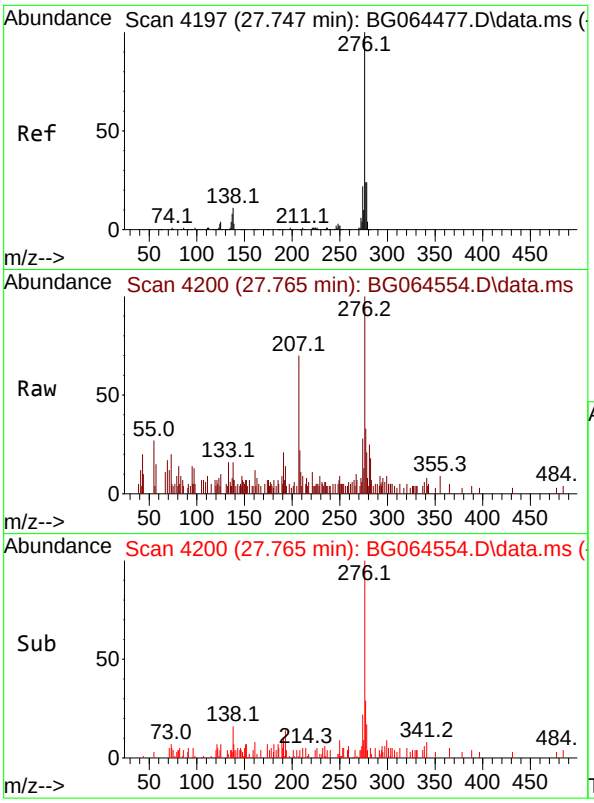




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.404 min Scan# 3628
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:264 Resp: 124033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 16.2 | 24.4# |
| 265 | 21.6 | 15.0 | 22.4 |



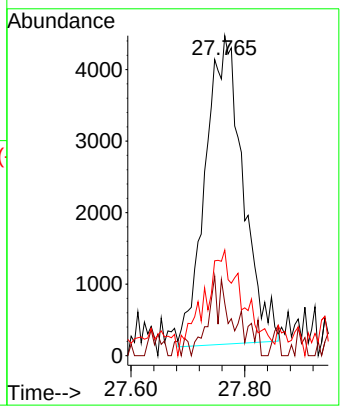


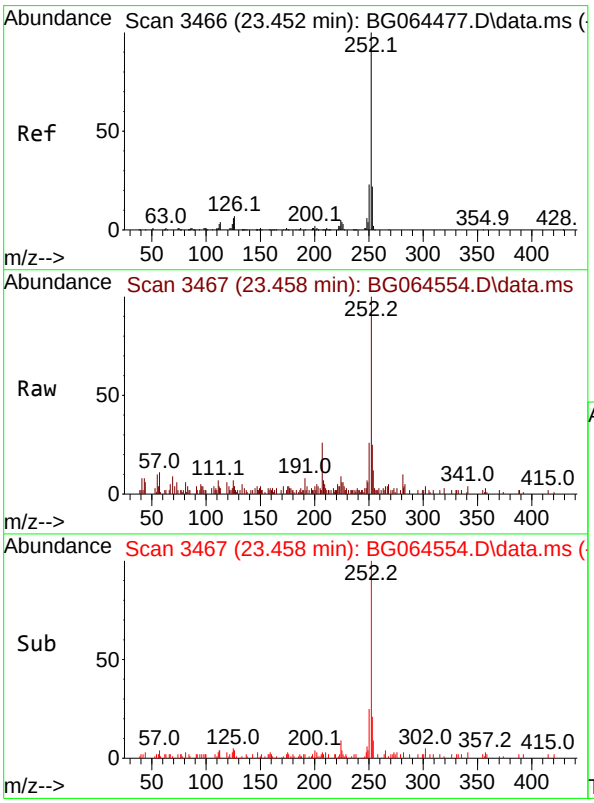

#87
Indeno(1,2,3-cd)pyrene
Concen: 2.283 ng
RT: 27.765 min Scan# 4
Delta R.T. 0.032 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:276 Resp: 19708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 6.9 | 10.8 | 16.2# |
| 277 | 36.3 | 20.3 | 30.5# |

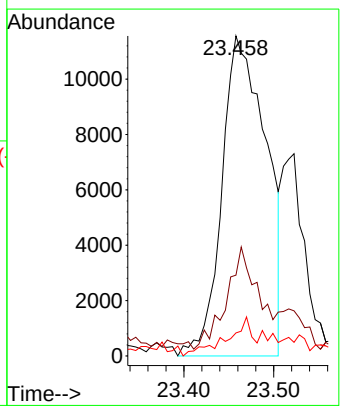


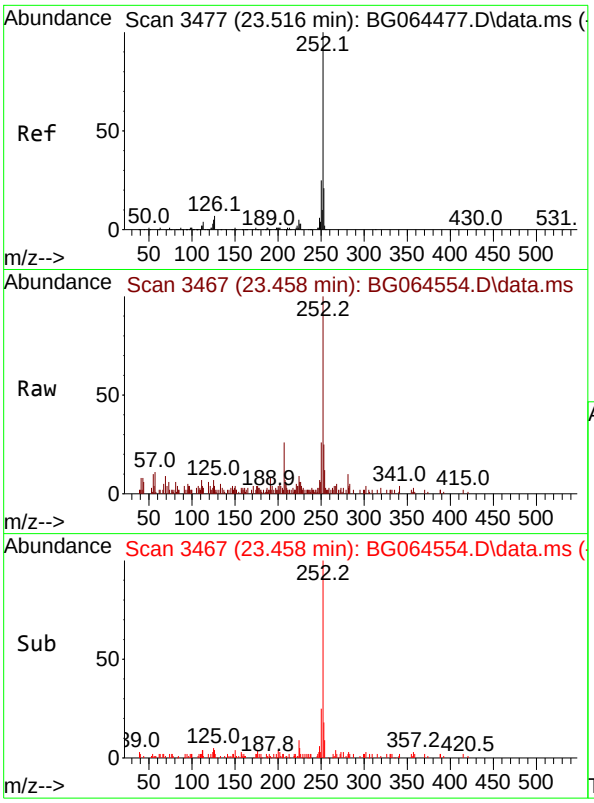




#88
Benzo(b)fluoranthene
Concen: 5.600 ng
RT: 23.458 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:252 Resp: 39512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 17.5 | 26.3 |
| 125 | 7.2 | 4.5 | 6.7# |



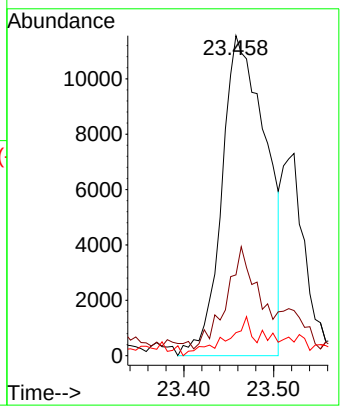


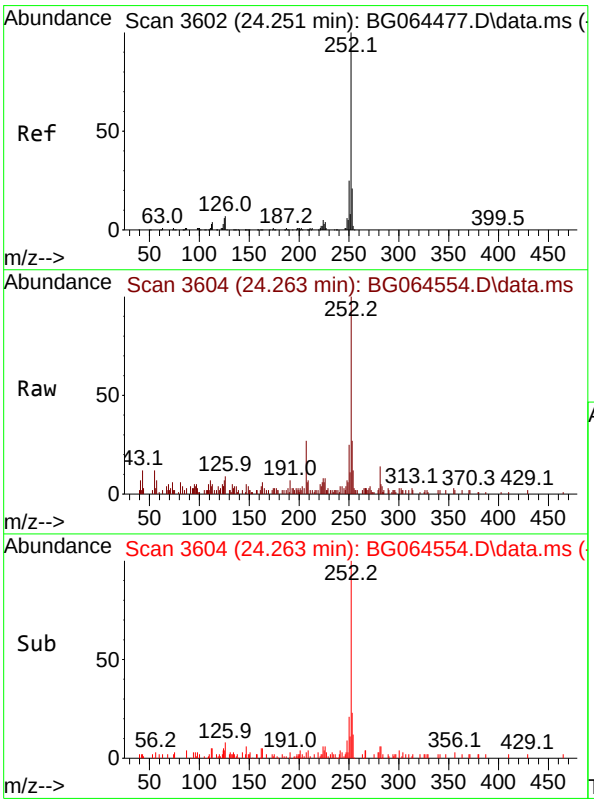

#89
Benzo(k)fluoranthene
Concen: 5.560 ng
RT: 23.458 min Scan# 3
Delta R.T. -0.050 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

**Instrument :**
BNA_G
**ClientSampleId :**
MH-19

Tgt Ion:252 Resp: 39512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 17.4 | 26.2 |
| 125 | 7.2 | 4.0 | 6.0# |




#90
Benzo(a)pyrene
Concen: 4.818 ng
RT: 24.263 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:252 Resp: 31330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 17.1 | 25.7# |
| 125 | 7.3 | 4.6 | 6.8# |