Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049969.D
Acq On : 18 Apr 2025 17:06
Operator : RC/JU
Sample : Q1828-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Quant Time: Apr 18 17:42:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 519822 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.563 | 136 | 1652693 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 956697 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.157 | 188 | 1723346 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.392 | 240 | 1615329 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 24.391 | 264 | 1729872 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 2950453 | 96.381 | ng | 0.00 |
| 7) Phenol-d6 | 6.951 | 99 | 3658695 | 96.060 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.928 | 82 | 2232153 | 75.209 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1562590 | 112.291 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.033 | 172 | 5590267 | 79.236 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.780 | 244 | 7192958 | 83.450 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 32) Benzoic acid | 9.857 | 122 | 550 | 8.559 | ng | # 15 |
| 52) Acenaphthene | 14.474 | 154 | 168756 | 3.258 | ng | 97 |
| 63) Azobenzene | 15.768 | 77 | 548373 | 9.896 | ng | # 1 |
| 70) Pentachlorophenol | 16.821 | 266 | 53323 | 3.156 | ng | 99 |
| 71) Phenanthrene | 17.198 | 178 | 593103 | 6.278 | ng | 99 |
| 72) Anthracene | 17.286 | 178 | 352526 | 3.786 | ng | 99 |
| 75) Fluoranthene | 19.215 | 202 | 1315356 | 11.323 | ng | 99 |
| 78) Pyrene | 19.580 | 202 | 1106400 | 9.938 | ng | 99 |
| 81) Benzo(a)anthracene | 21.374 | 228 | 586205 | 5.460 | ng | 98 |
| 83) Chrysene | 21.439 | 228 | 674188 | 6.606 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.779 | 276 | 412340 | 3.198 | ng | 97 |
| 88) Benzo(b)fluoranthene | 23.450 | 252 | 866354 | 7.842 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.450 | 252 | 866354 | 8.092 | ng | # 98 |
| 90) Benzo(a)pyrene | 24.250 | 252 | 548646 | 5.651 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 28.838 | 276 | 403067 | 3.714 | ng | 98 |

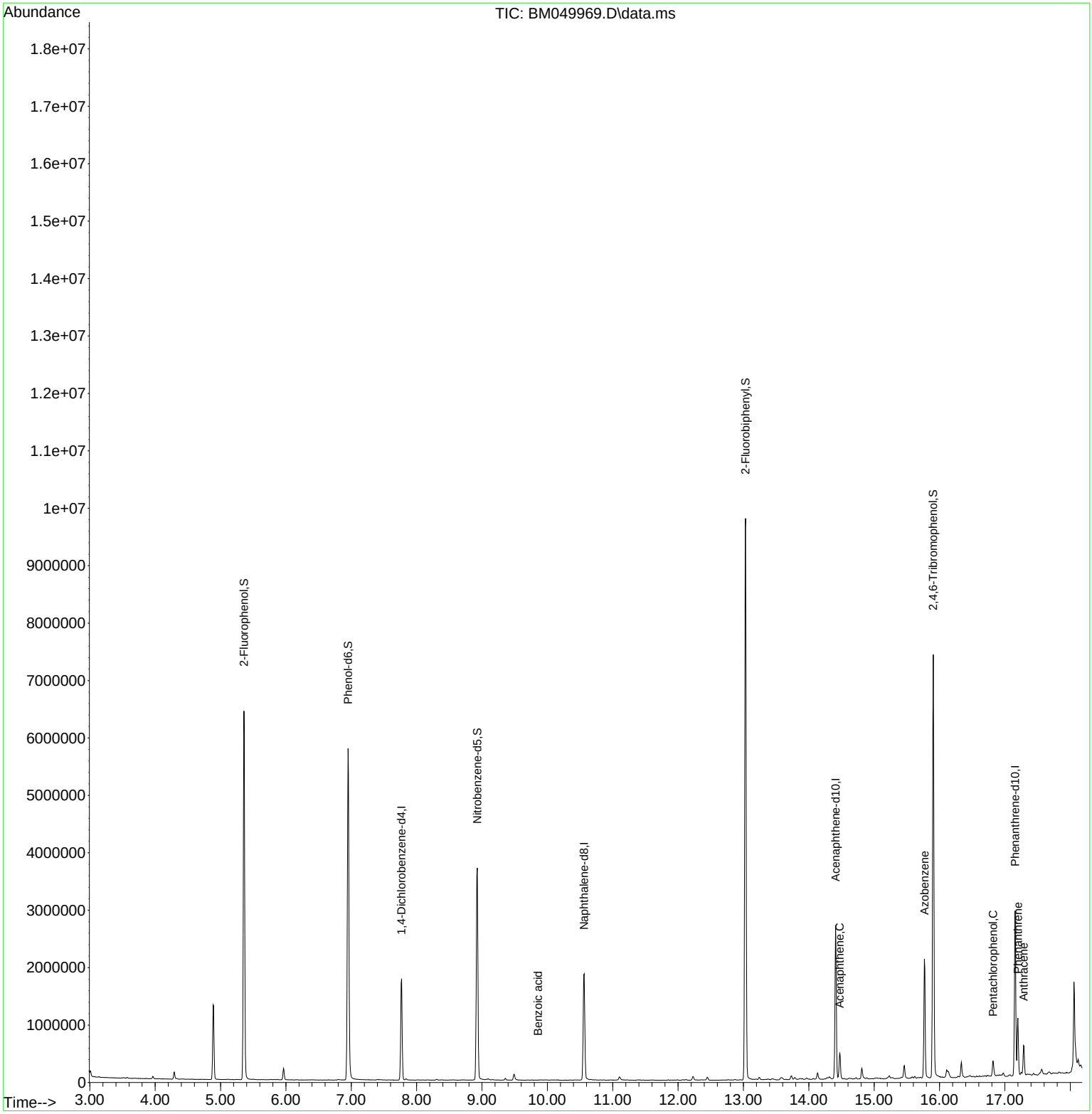
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049969.D
Acq On : 18 Apr 2025 17:06
Operator : RC/JU
Sample : Q1828-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

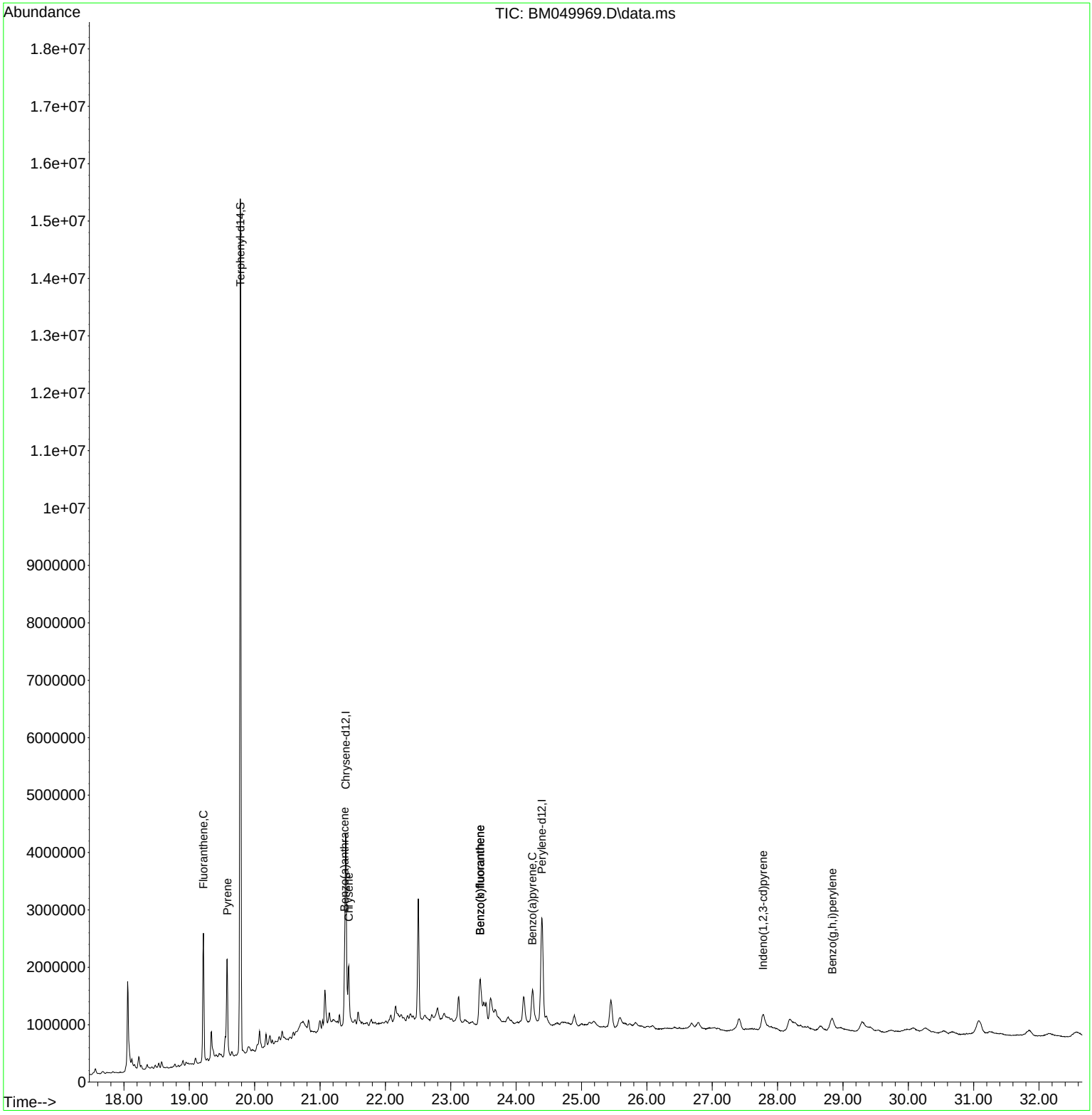
Quant Time: Apr 18 17:42:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

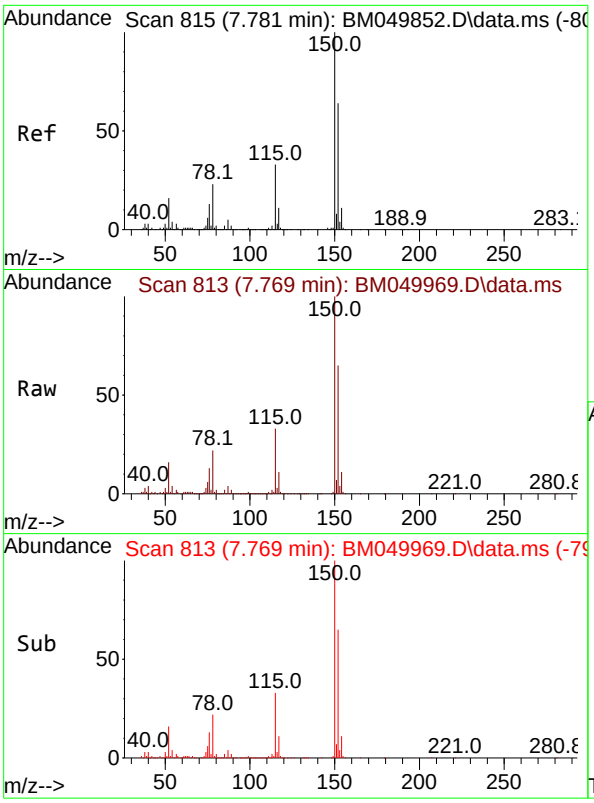


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049969.D
Acq On : 18 Apr 2025 17:06
Operator : RC/JU
Sample : Q1828-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Quant Time: Apr 18 17:42:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



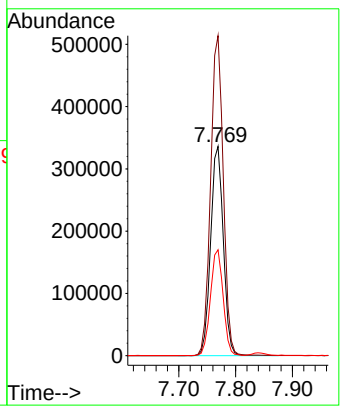


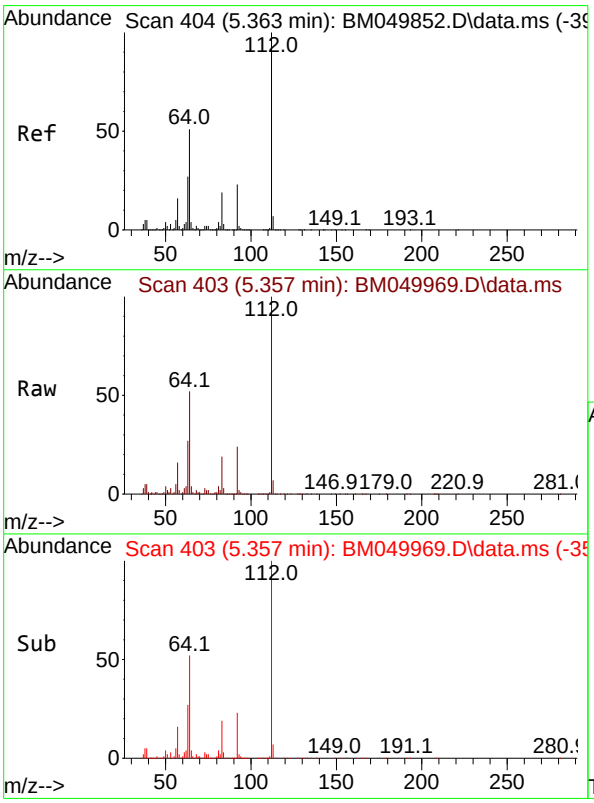

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:152 Resp: 519822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 124.3 | 186.5 |
| 115 | 50.6 | 41.1 | 61.7 |

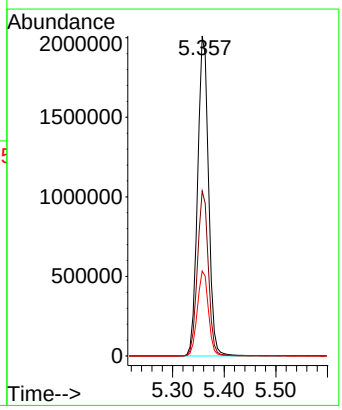


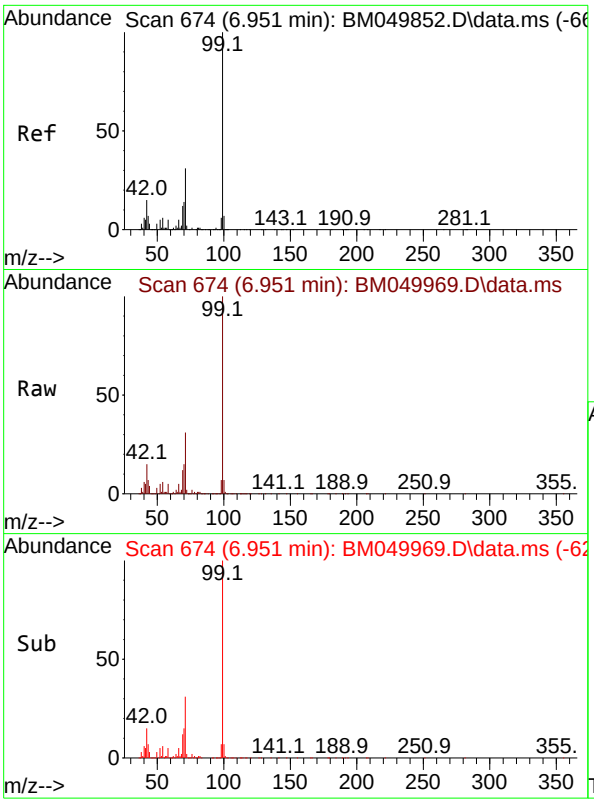




#5
2-Fluorophenol
Concen: 96.381 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:112 Resp: 2950453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.6 | 41.0 | 61.6 |
| 63 | 26.6 | 21.5 | 32.3 |



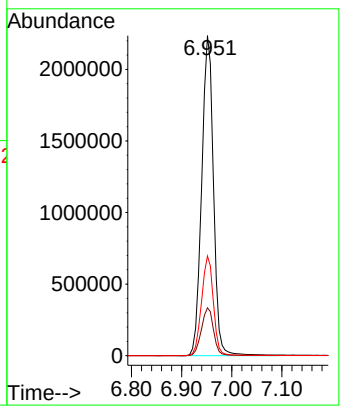


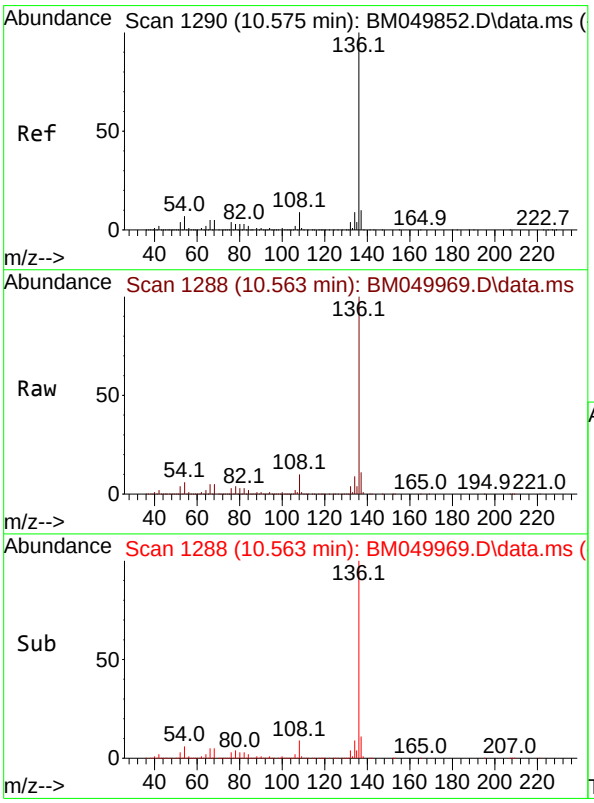

#7
Phenol-d6
Concen: 96.060 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion: 99 Resp: 3658695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.9 | 12.1 | 18.1 |
| 71 | 31.2 | 24.9 | 37.3 |

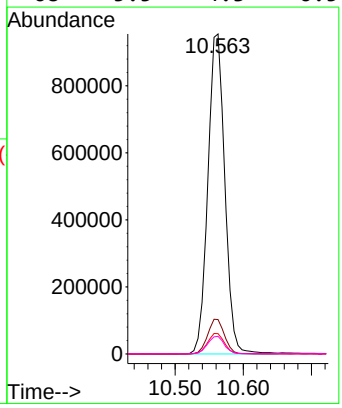


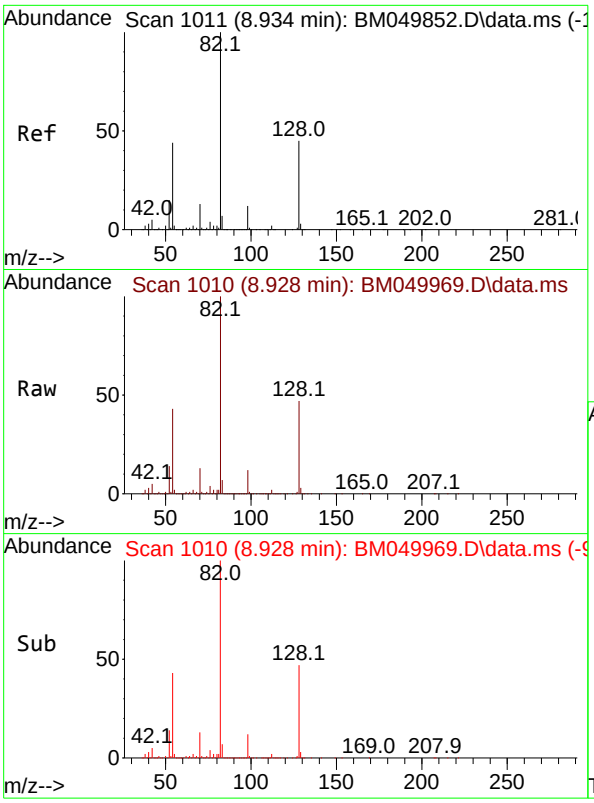




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:136 Resp: 1652693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.4 | 12.6 |
| 54 | 6.4 | 5.3 | 7.9 |
| 68 | 5.5 | 4.3 | 6.5 |



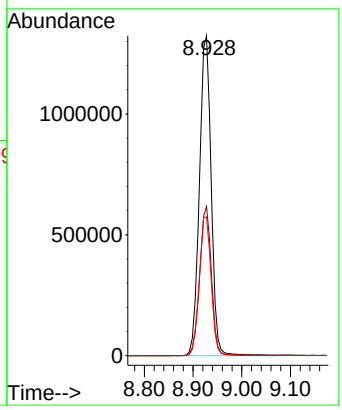


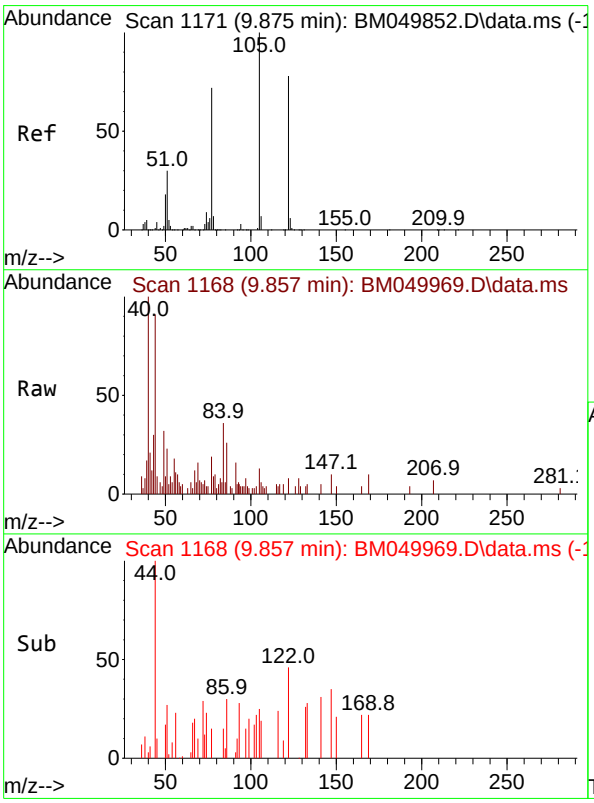

#23
Nitrobenzene-d5
Concen: 75.209 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion: 82 Resp: 2232153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 36.2 | 54.2 |
| 54 | 43.4 | 35.0 | 52.6 |

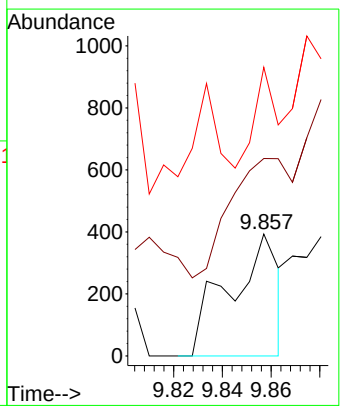


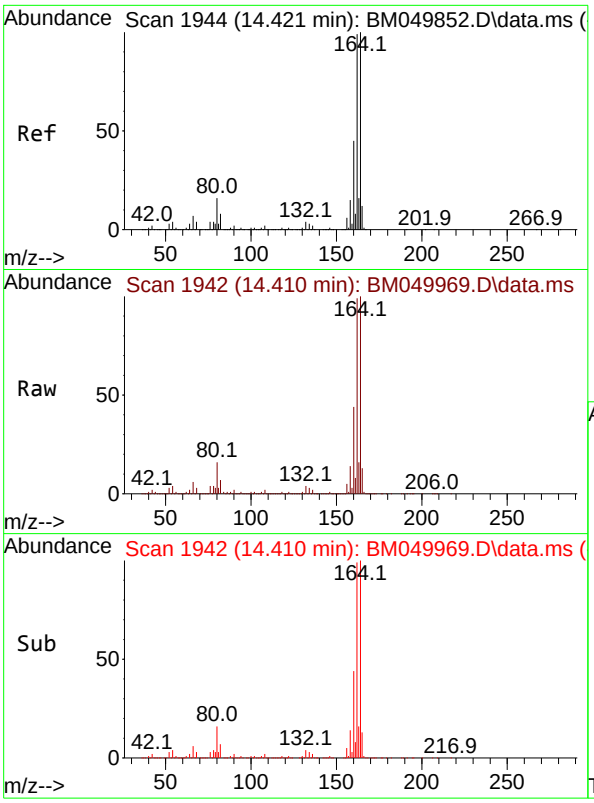




#32
Benzoic acid
Concen: 8.559 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:122 Resp: 550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 162.1 | 103.8 | 143.8# |
| 77 | 236.9 | 70.7 | 110.7# |



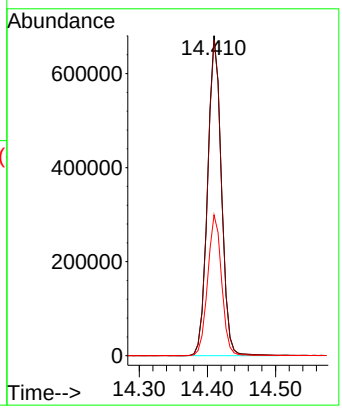


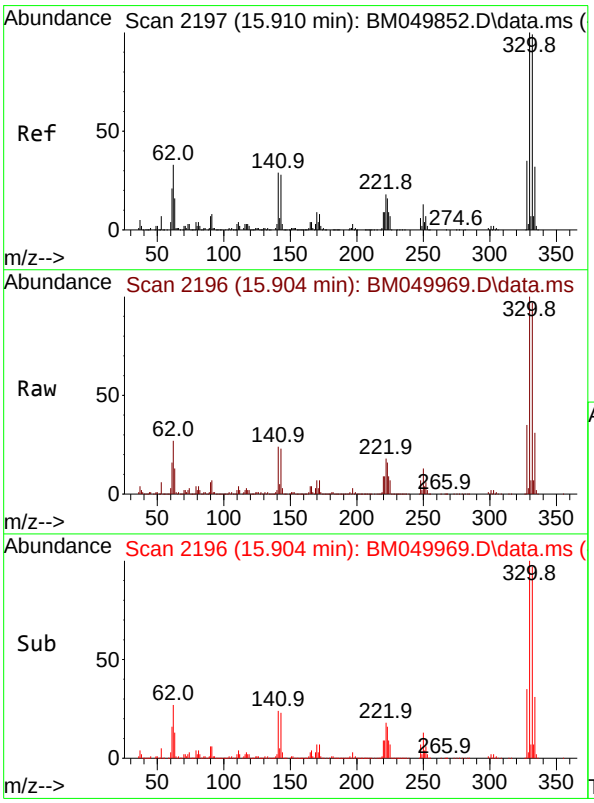

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:164 Resp: 956697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.4 | 119.0 |
| 160 | 44.0 | 36.2 | 54.2 |

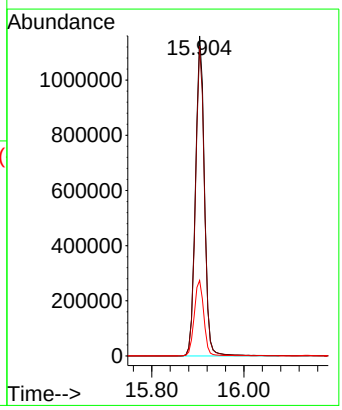


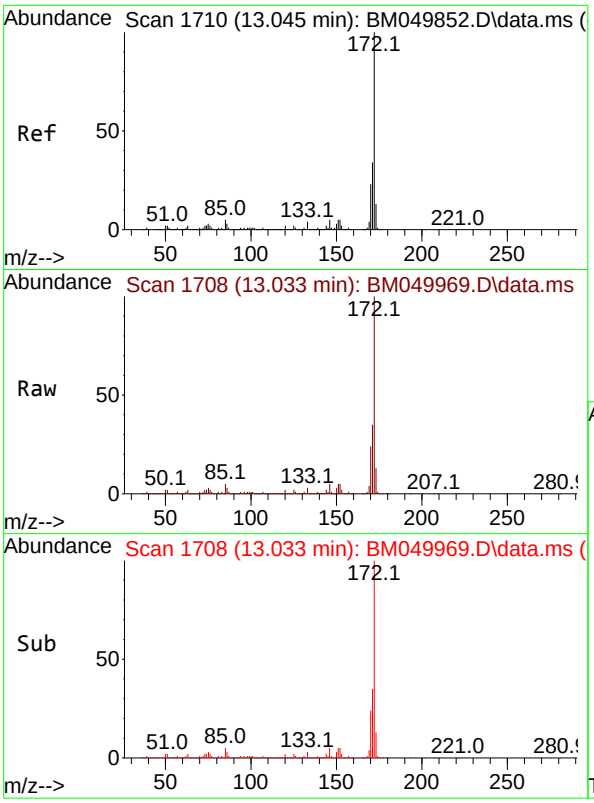




#42
2,4,6-Tribromophenol
Concen: 112.291 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:330 Resp: 1562590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 78.0 | 117.0 |
| 141 | 25.1 | 23.5 | 35.3 |



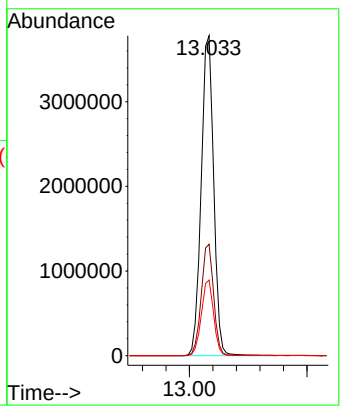


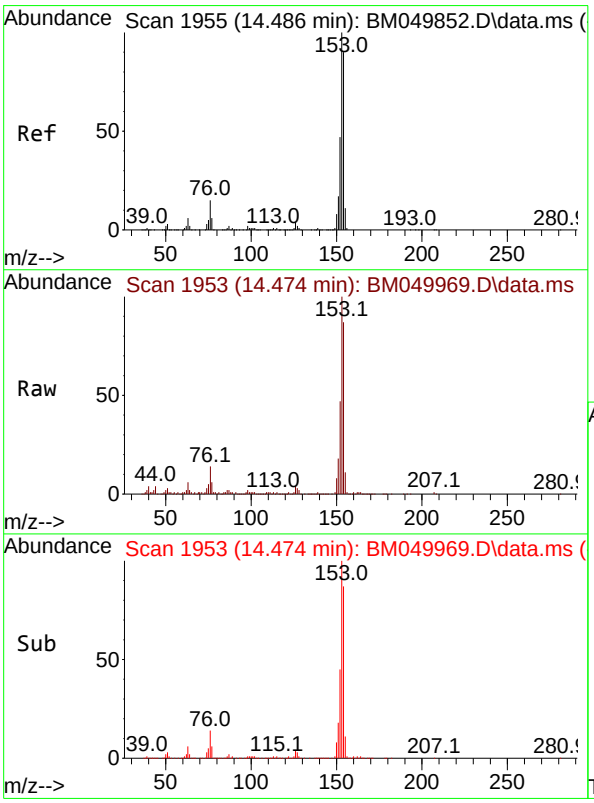

#45
2-Fluorobiphenyl
Concen: 79.236 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:172 Resp: 5590267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 27.4 | 41.2 |
| 170 | 23.6 | 18.6 | 28.0 |

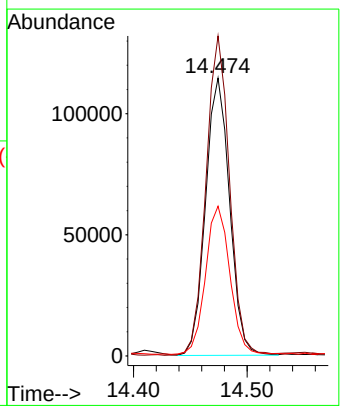


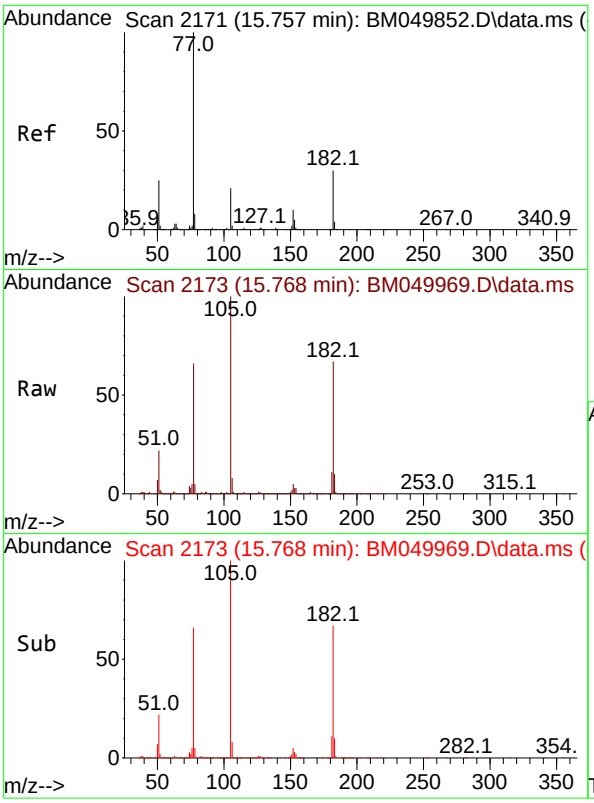




#52
Acenaphthene
Concen: 3.258 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:154 Resp: 168756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.1 | 89.3 | 133.9 |
| 152 | 53.9 | 42.2 | 63.2 |



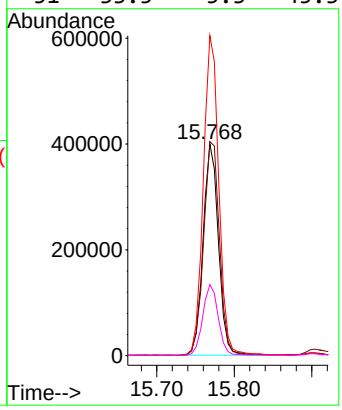


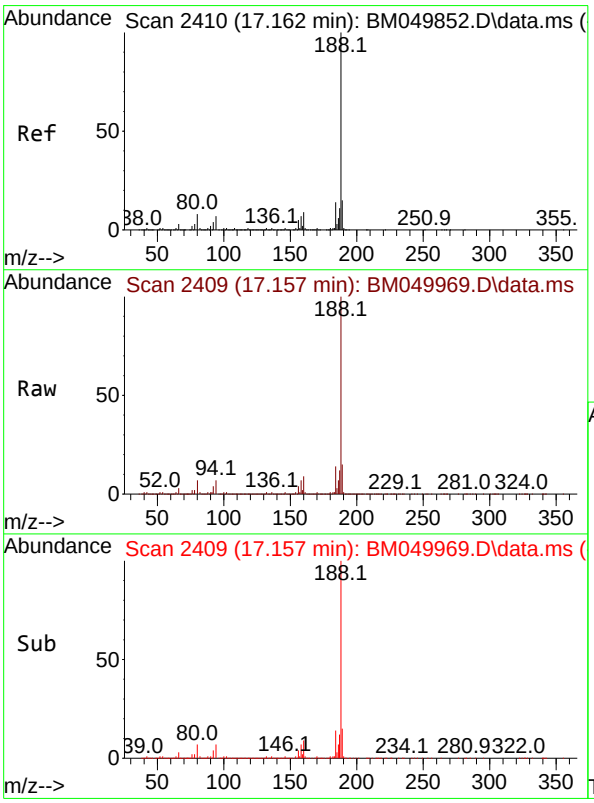

#63
Azobenzene
Concen: 9.896 ng
RT: 15.768 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion: 77 Resp: 548373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 101.1 | 10.4 | 50.4# |
| 105 | 151.1 | 1.5 | 41.5# |
| 51 | 33.5 | 5.3 | 45.3 |

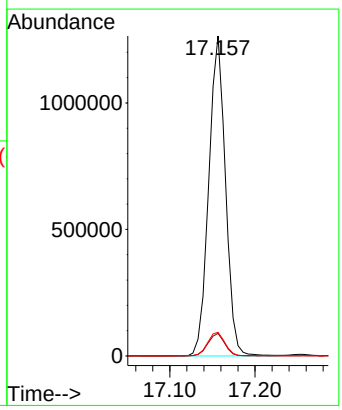


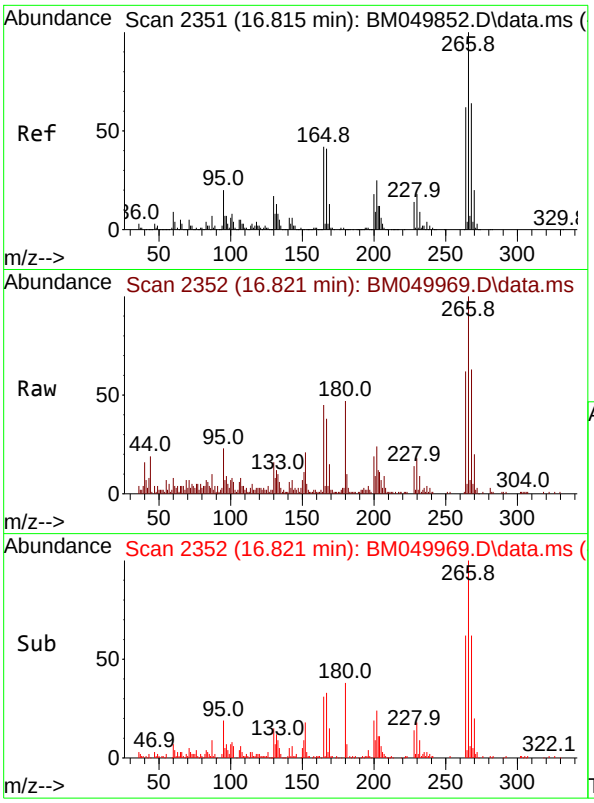




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:188 Resp: 1723346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.0 | 5.8 | 8.6 |
| 80 | 7.4 | 6.4 | 9.6 |



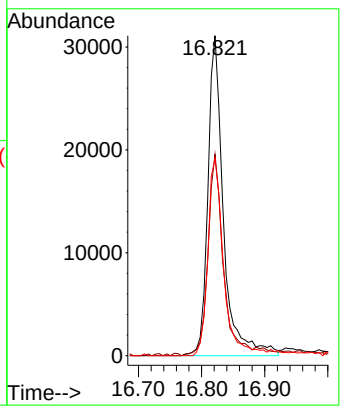


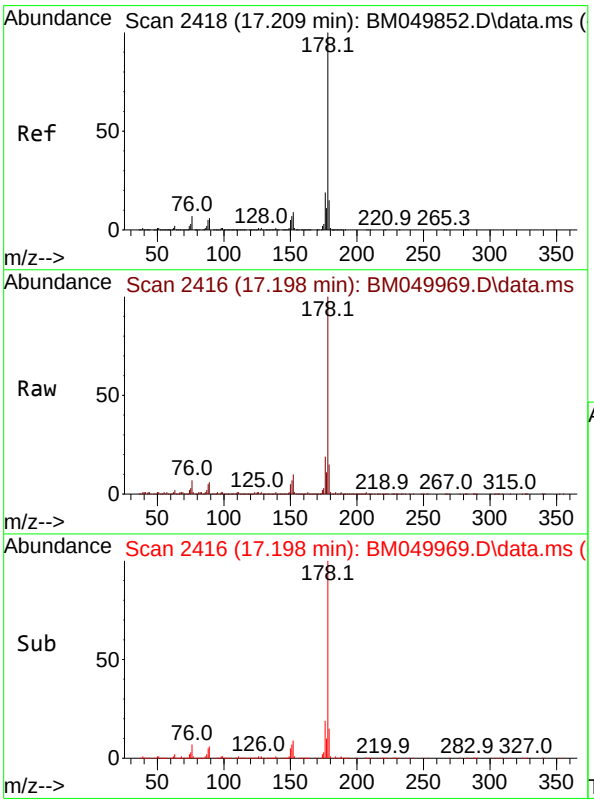

#70
Pentachlorophenol
Concen: 3.156 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:266 Resp: 53323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 51.4 | 77.2 |
| 264 | 61.6 | 49.8 | 74.8 |

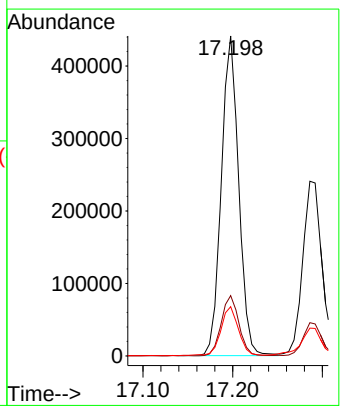


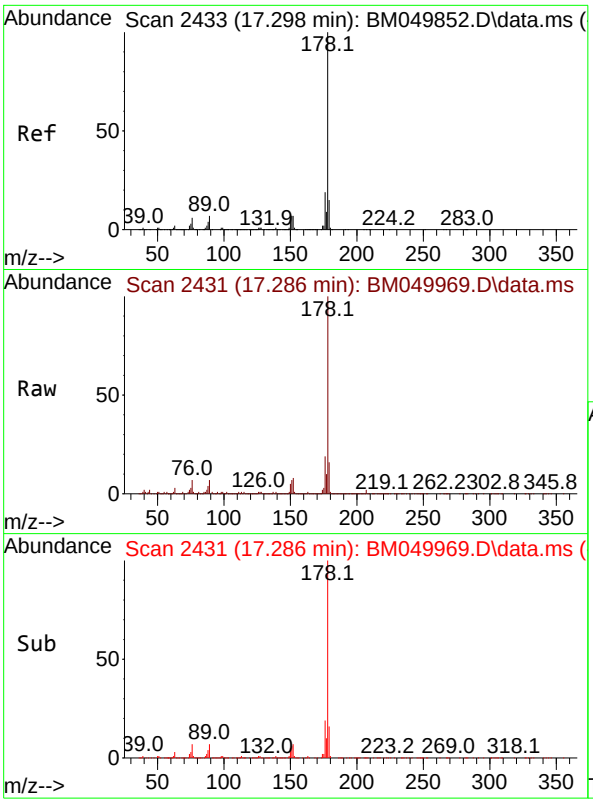




#71
Phenanthrene
Concen: 6.278 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:178 Resp: 593103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.4 | 12.3 | 18.5 |



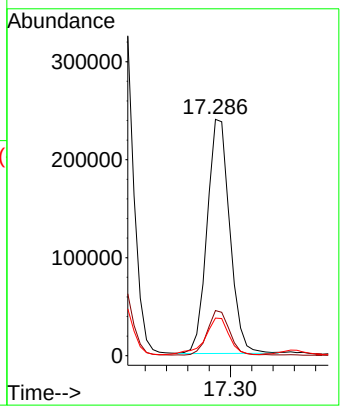


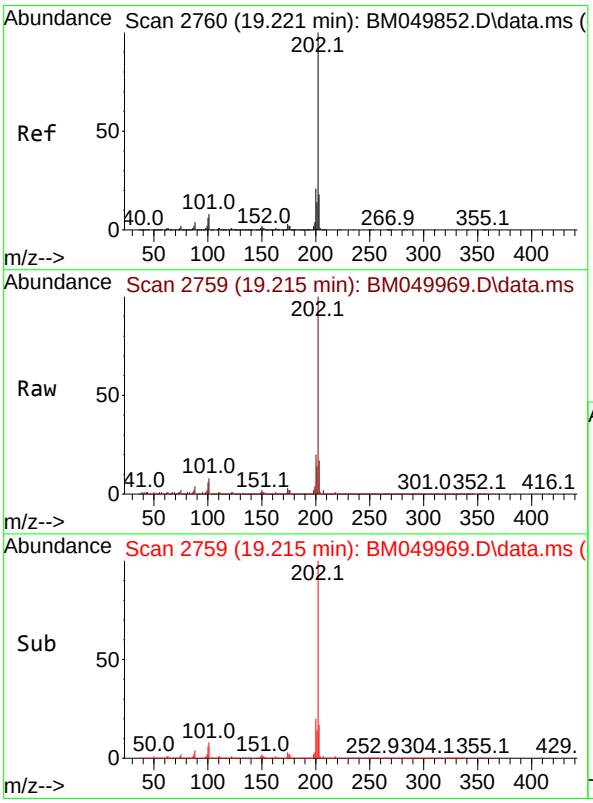

#72
Anthracene
Concen: 3.786 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:178 Resp: 352526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.1 | 22.7 |
| 179 | 15.9 | 12.4 | 18.6 |

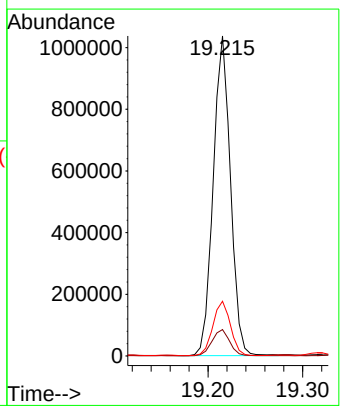


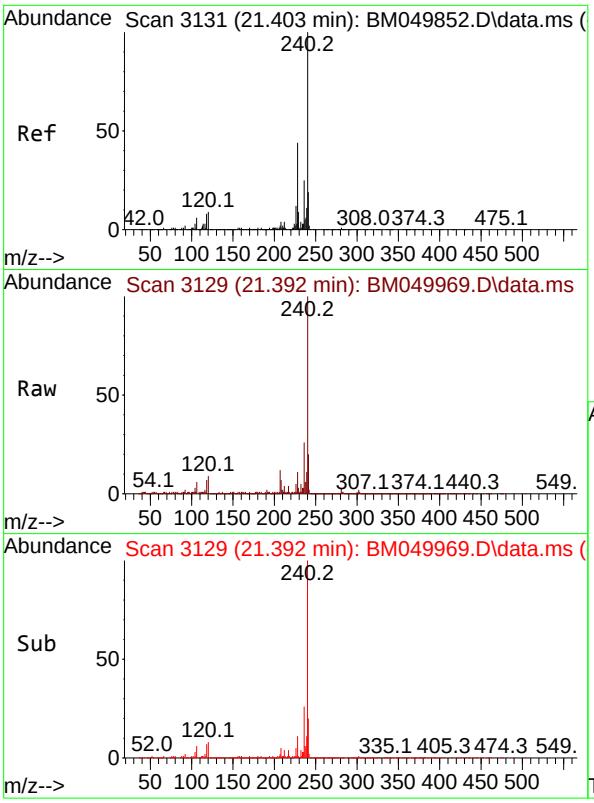




#75
Fluoranthene
Concen: 11.323 ng
RT: 19.215 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:202 Resp: 1315356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 28.4 |
| 203 | 17.1 | 0.0 | 37.8 |



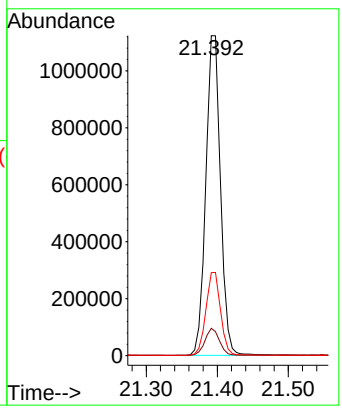


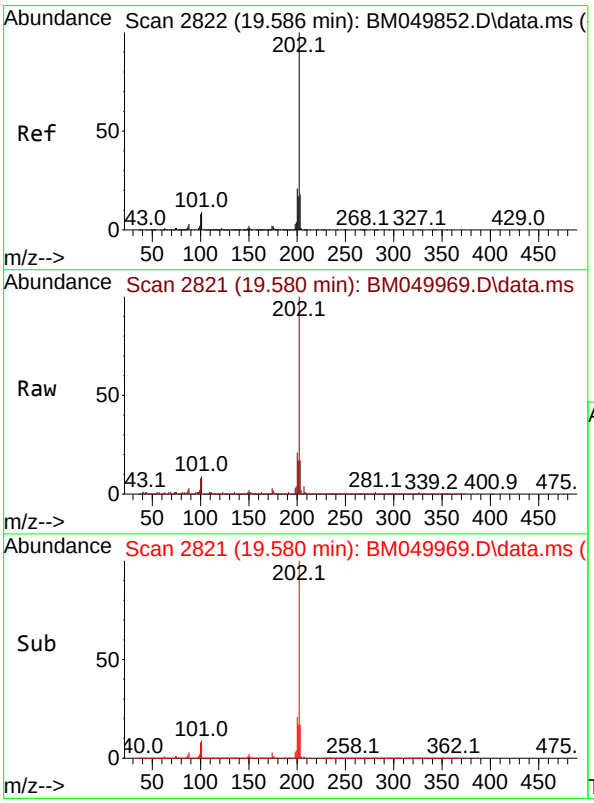

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:240 Resp: 1615329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 6.9 | 10.3 |
| 236 | 26.0 | 20.4 | 30.6 |

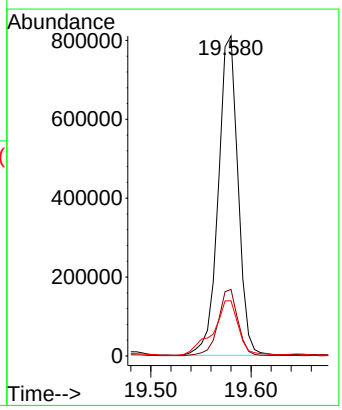


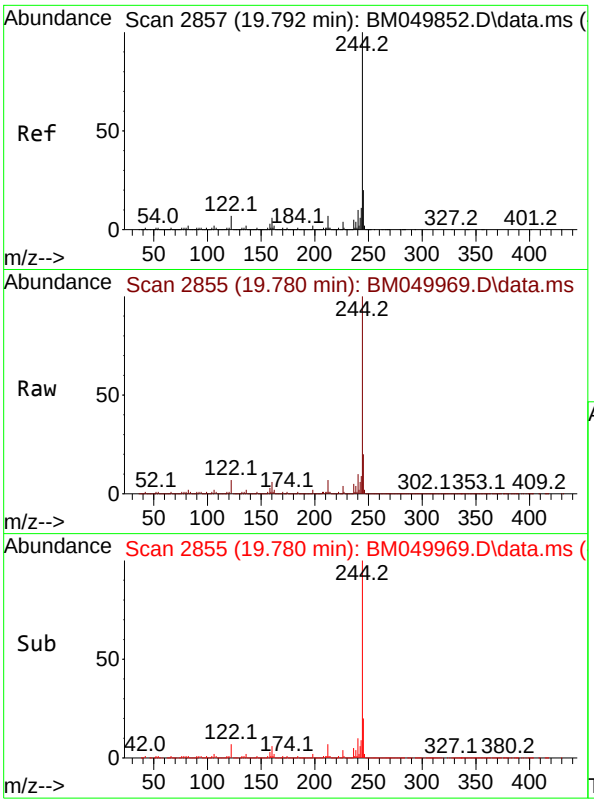




#78
Pyrene
Concen: 9.938 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:202 Resp: 1106400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.5 | 24.7 |
| 203 | 17.2 | 14.0 | 21.0 |



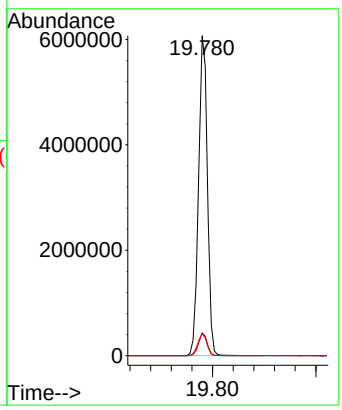


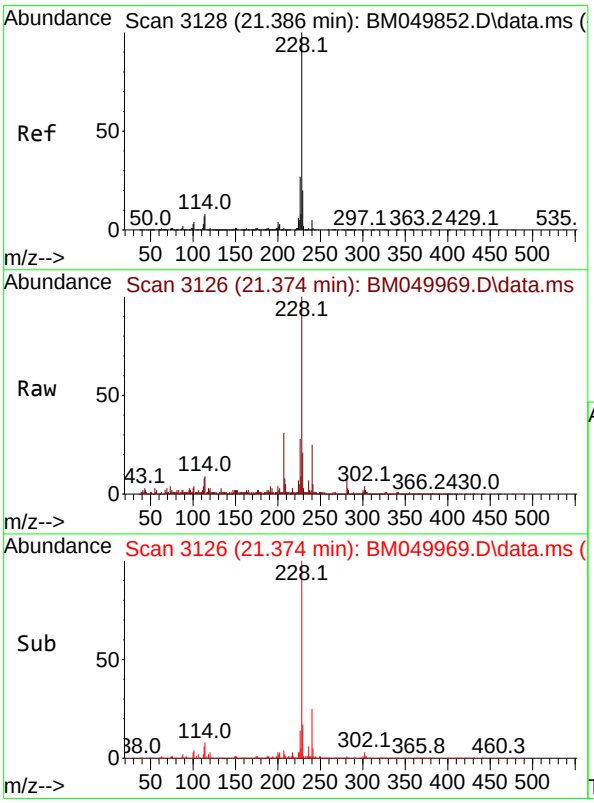

#79
Terphenyl-d14
Concen: 83.450 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:244 Resp: 7192958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.5 | 8.3 |
| 122 | 6.9 | 5.4 | 8.0 |

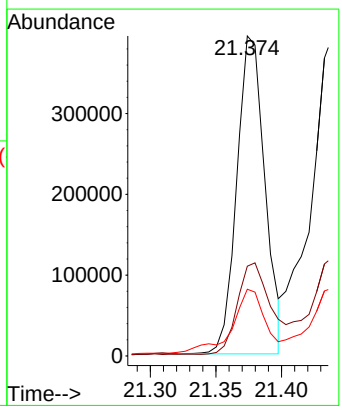


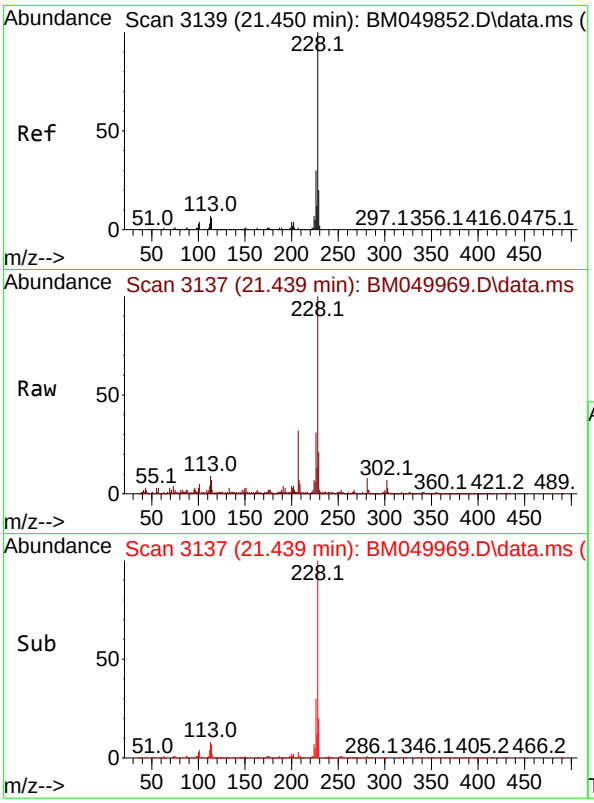




#81
Benzo(a)anthracene
Concen: 5.460 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:228 Resp: 586205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 21.8 | 32.8 |
| 229 | 20.9 | 15.8 | 23.8 |



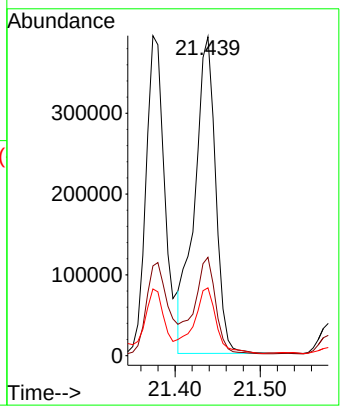


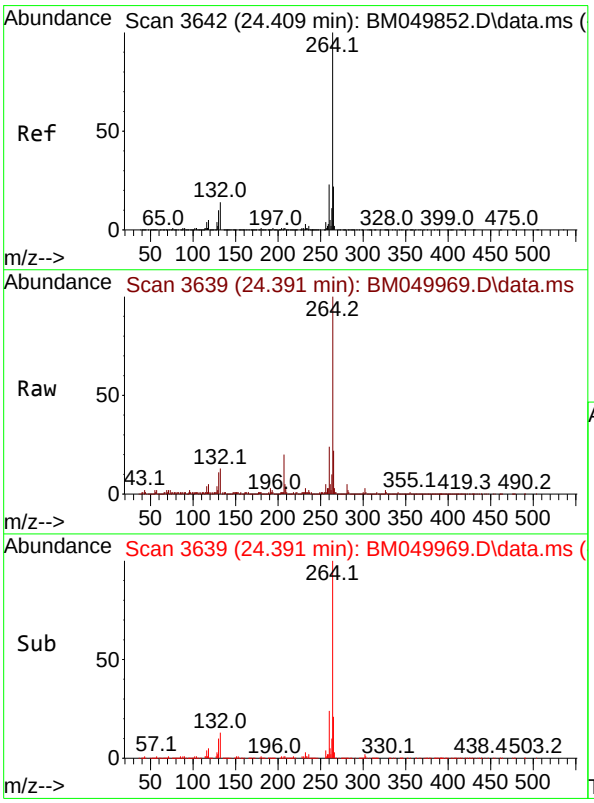

#83
Chrysene
Concen: 6.606 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:228 Resp: 674188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.1 | 36.1 |
| 229 | 21.3 | 15.8 | 23.6 |

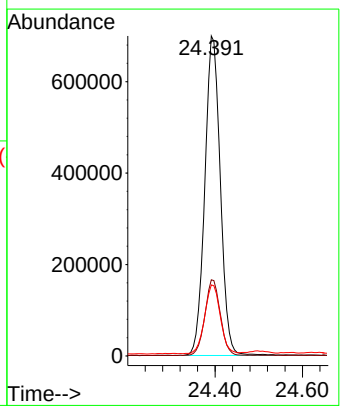


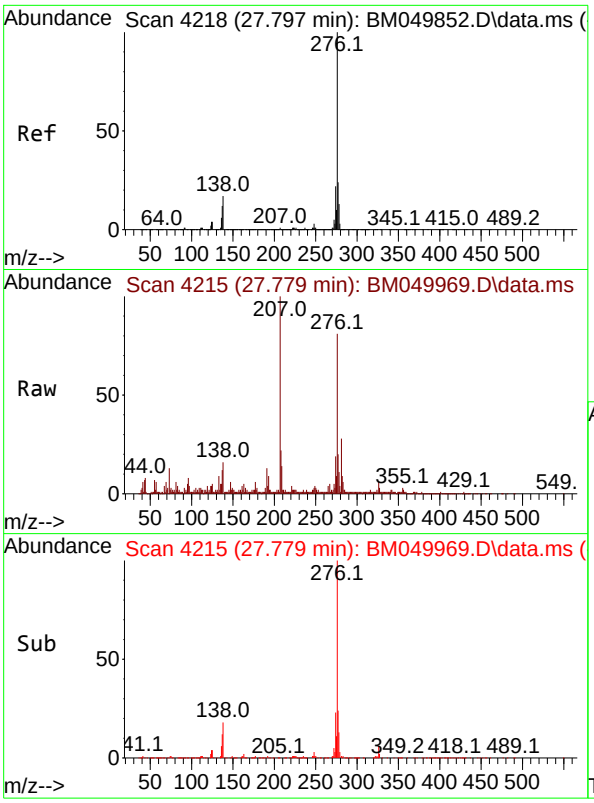




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:264 Resp: 1729872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.6 | 28.0 |
| 265 | 22.2 | 17.8 | 26.8 |



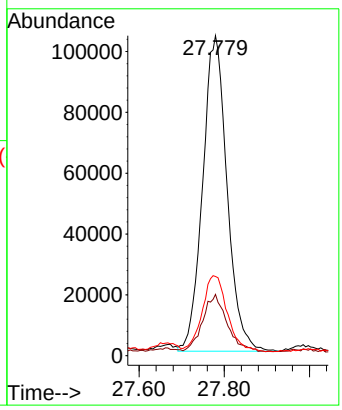


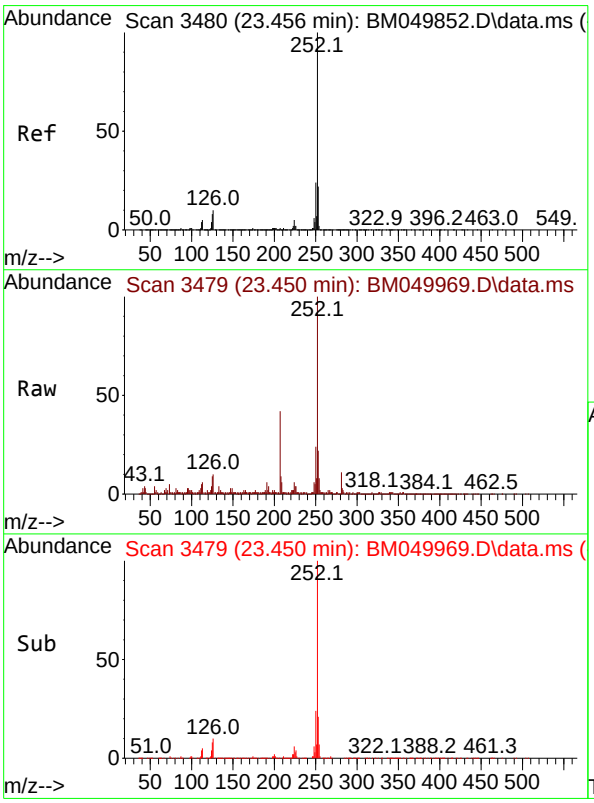

#87
Indeno(1,2,3-cd)pyrene
Concen: 3.198 ng
RT: 27.779 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:276 Resp: 412340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.1 | 16.8 | 25.2 |
| 277 | 24.8 | 20.1 | 30.1 |

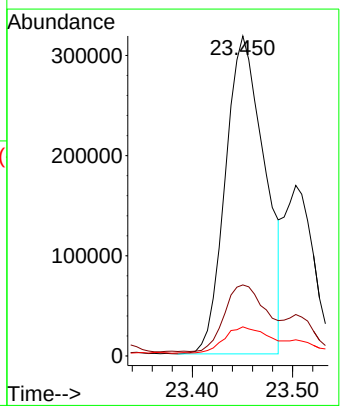


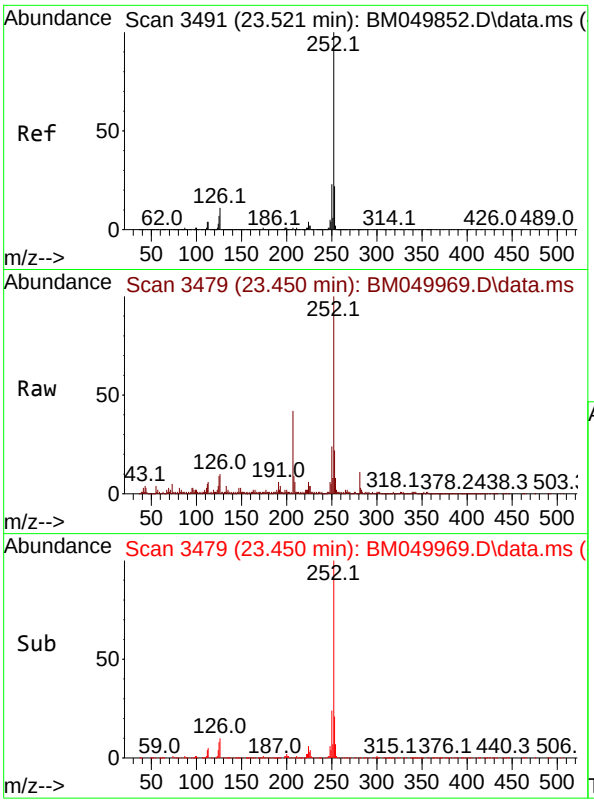




#88
Benzo(b)fluoranthene
Concen: 7.842 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:252 Resp: 866354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 9.1 | 6.2 | 9.4 |



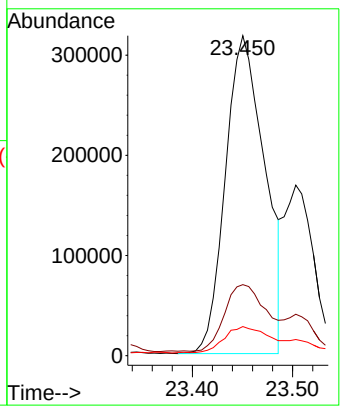


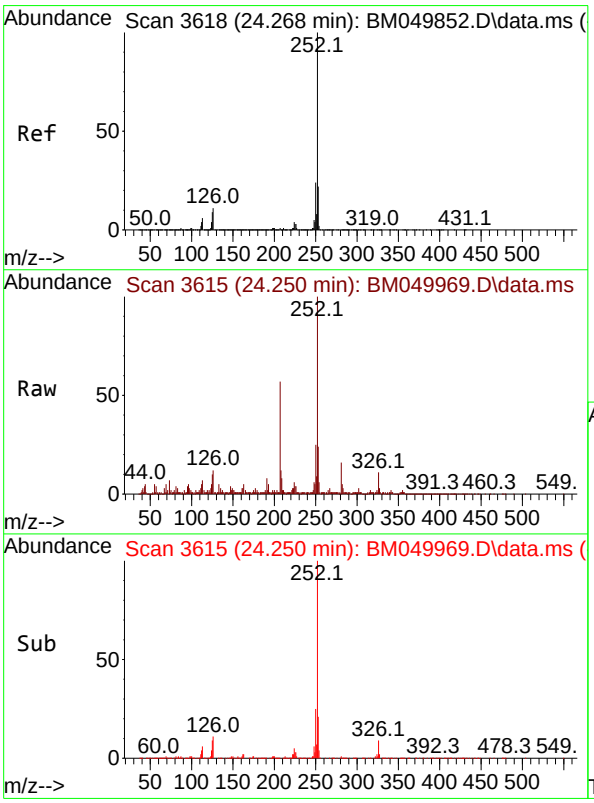

#89
Benzo(k)fluoranthene
Concen: 8.092 ng
RT: 23.450 min Scan# 34
Delta R.T. -0.071 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:252 Resp: 866354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.4 | 26.2 |
| 125 | 9.1 | 5.8 | 8.8# |

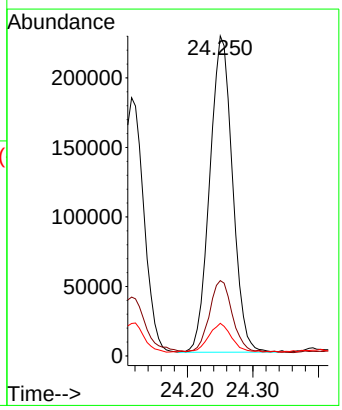


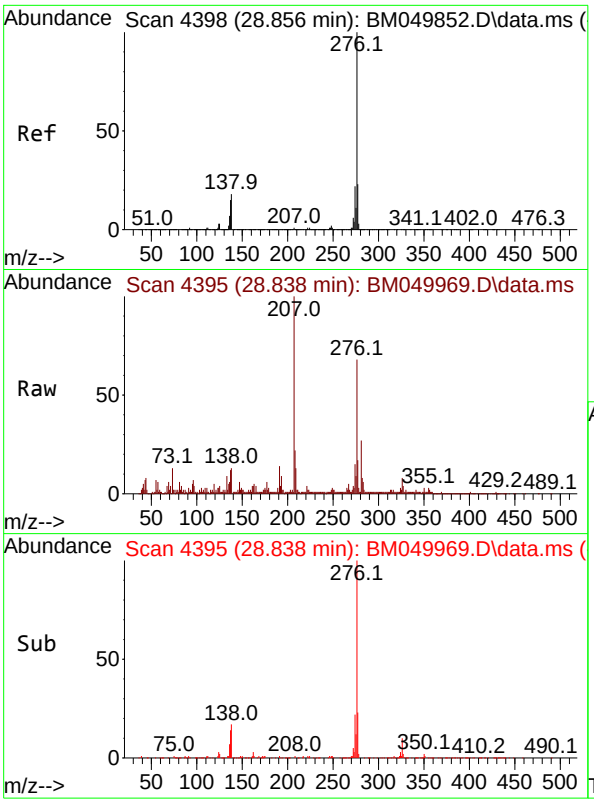




#90
Benzo(a)pyrene
Concen: 5.651 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

Tgt Ion:252 Resp: 548646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.8 | 26.8 |
| 125 | 10.2 | 7.0 | 10.4 |






#92
Benzo(g,h,i)perylene
Concen: 3.714 ng
RT: 28.838 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049969.D
Acq: 18 Apr 2025 17:06

**Instrument :**
BNA_M
**ClientSampleId :**
RT5417

Tgt Ion:276 Resp: 403067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 18.7 | 28.1 |
| 138 | 18.7 | 14.6 | 21.8 |