Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141430.D
Acq On : 05 Feb 2025 00:48
Operator : RC/JU
Sample : Q1276-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Quant Time: Feb 05 02:12:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 80458 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 8.069 | 136 | 301239 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 153391 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 236407 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 13.957 | 240 | 181759 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 15.421 | 264 | 149424 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 175631 | 33.512 | ng | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 438758 | 65.810 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 299875 | 52.478 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 14298 | 10.168 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 518493 | 52.028 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.904 | 244 | 473815 | 40.202 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 18) Hexachloroethane | 7.322 | 117 | 7041 | 3.067 | ng | # 1 |
| 22) Acetophenone | 7.181 | 105 | 17935 | 2.505 | ng | # 43 |
| 37) 2-Methylnaphthalene | 8.786 | 142 | 30162 | 2.982 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 21424 | 2.156 | ng | 86 |
| 63) Azobenzene | 10.539 | 77 | 73064 | 7.266 | ng | # 1 |
| 71) Phenanthrene | 11.339 | 178 | 103126 | 8.115 | ng | 98 |
| 72) Anthracene | 11.339 | 178 | 103126 | 8.282 | ng | 97 |
| 75) Fluoranthene | 12.527 | 202 | 269907 | 21.511 | ng | 97 |
| 78) Pyrene | 12.757 | 202 | 235150 | 13.478 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 154487 | 12.317 | ng | 95 |
| 83) Chrysene | 13.980 | 228 | 137464 | 11.959 | ng | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 16.856 | 276 | 55147 | 5.718 | ng | # 93 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 227201 | 24.172 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.004 | 252 | 227201 | 27.286 | ng | 98 |
| 90) Benzo(a)pyrene | 15.357 | 252 | 114865 | 14.462 | ng | 95 |
| 91) Dibenzo(a,h)anthracene | 16.868 | 278 | 16656 | 2.147 | ng | # 79 |
| 92) Benzo(g,h,i)perylene | 17.292 | 276 | 55078 | 6.827 | ng | 96 |

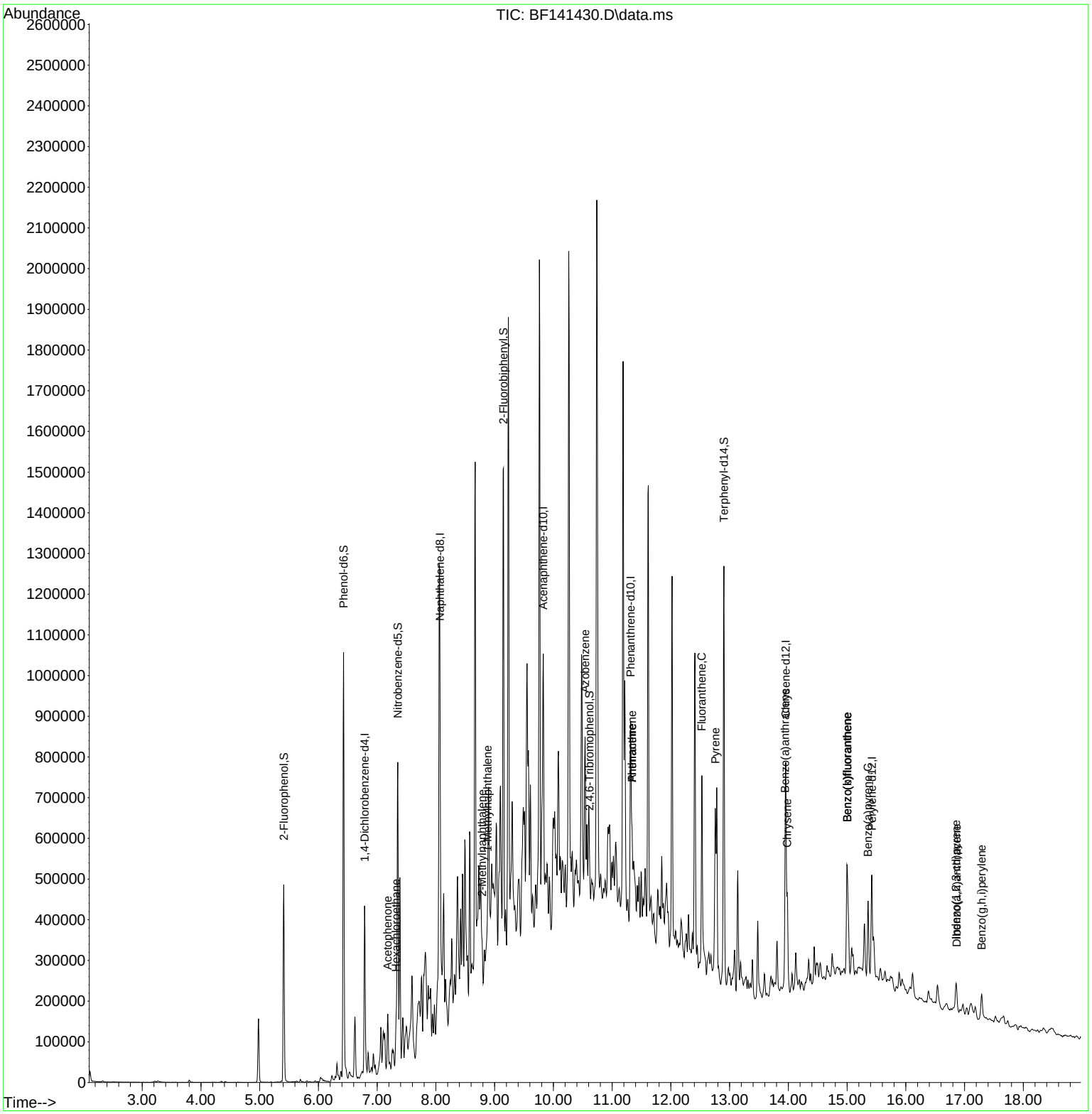
(#) = qualifier out of range (m) = manual integration (+) = signals summed

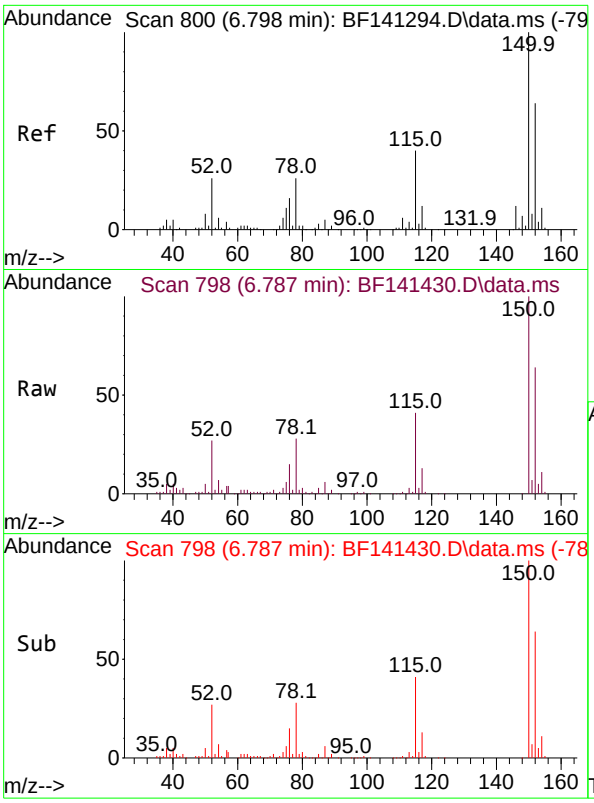
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141430.D
Acq On : 05 Feb 2025 00:48
Operator : RC/JU
Sample : Q1276-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Quant Time: Feb 05 02:12:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



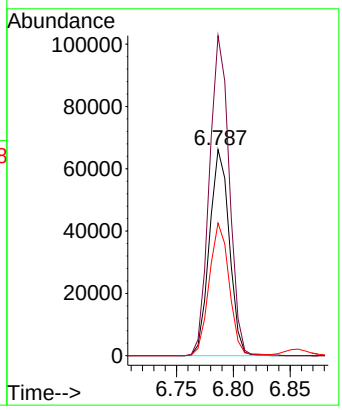


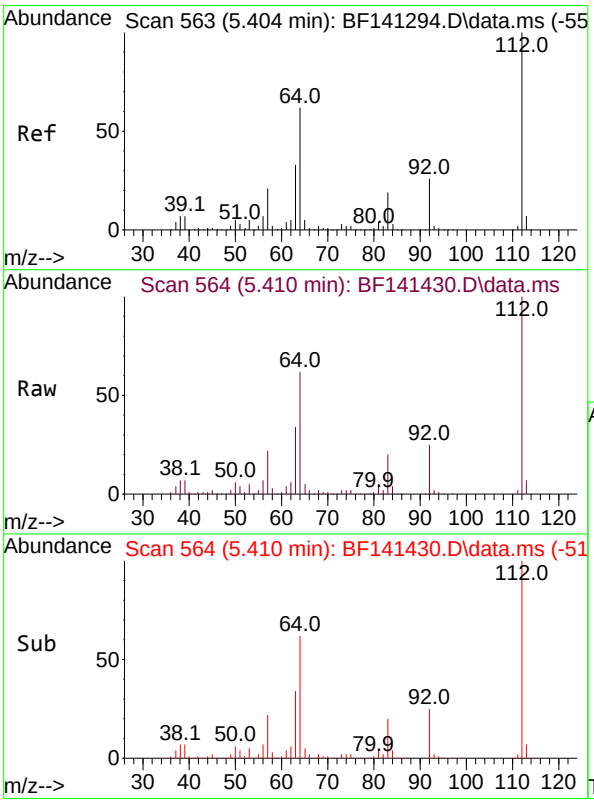

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:152 Resp: 80458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.3 | 125.9 | 188.9 |
| 115 | 64.3 | 49.7 | 74.5 |

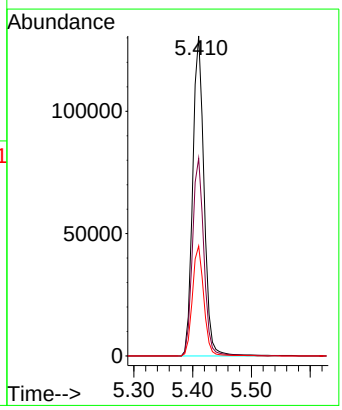


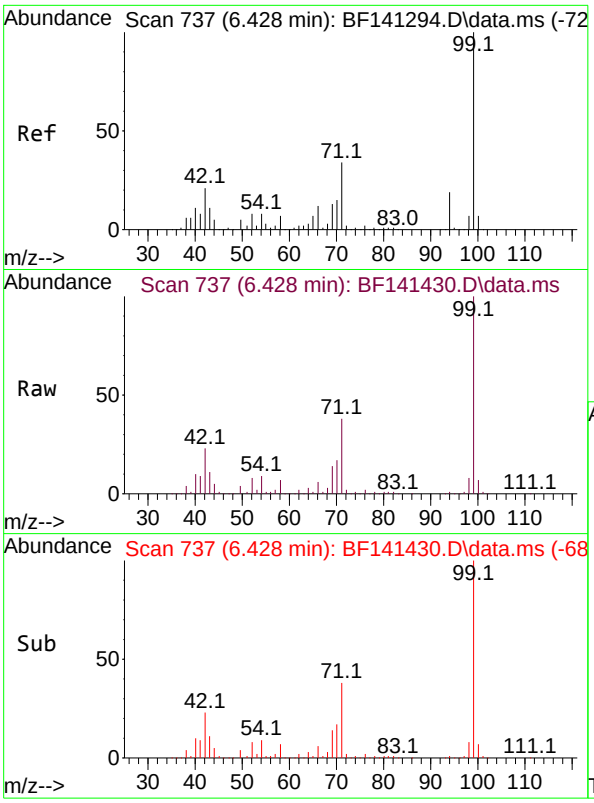




#5
2-Fluorophenol
Concen: 33.512 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:112 Resp: 175631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.8 | 49.8 | 74.8 |
| 63 | 34.4 | 26.1 | 39.1 |



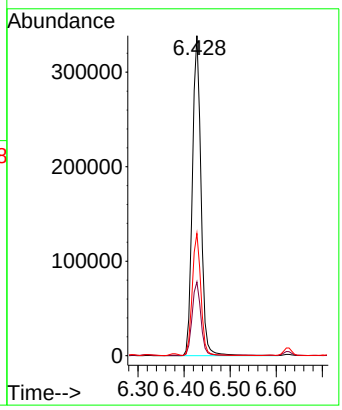


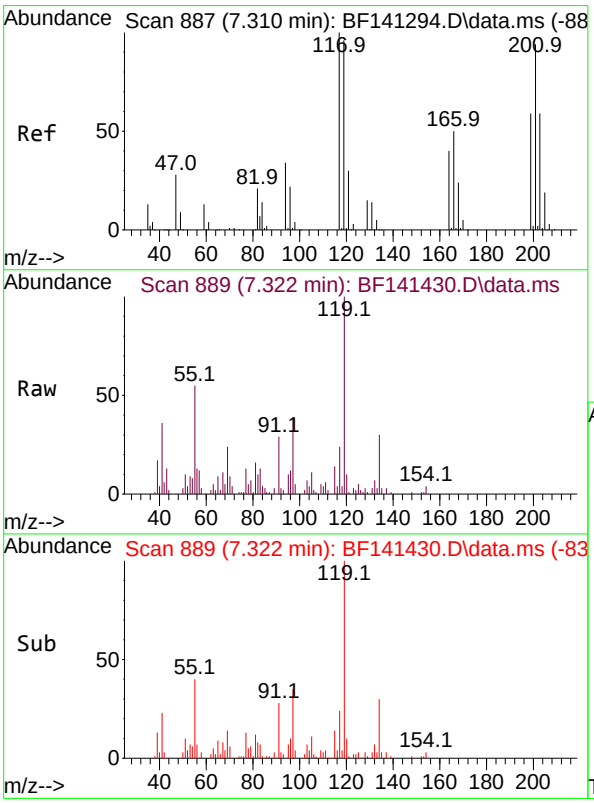

#7
Phenol-d6
Concen: 65.810 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion: 99 Resp: 438758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 17.1 | 25.7 |
| 71 | 38.2 | 26.9 | 40.3 |

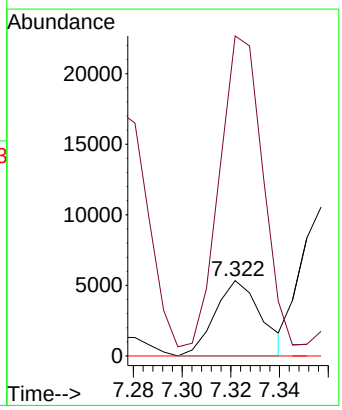


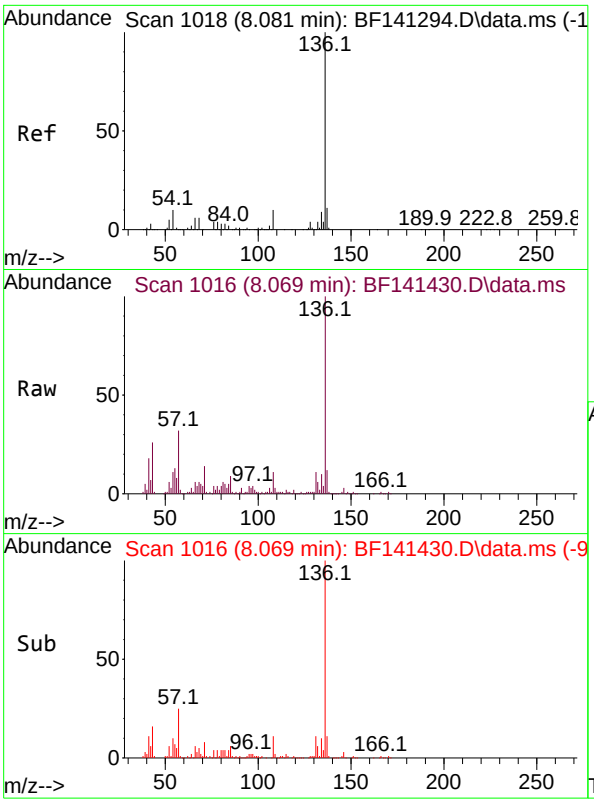




#18
Hexachloroethane
Concen: 3.067 ng
RT: 7.322 min Scan# 889
Delta R.T. 0.006 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:117 Resp: 7041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 424.7 | 76.6 | 114.8# |
| 201 | 0.0 | 74.8 | 112.2# |



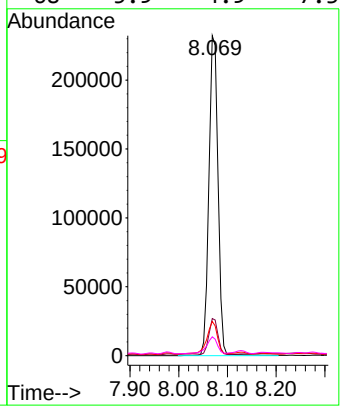


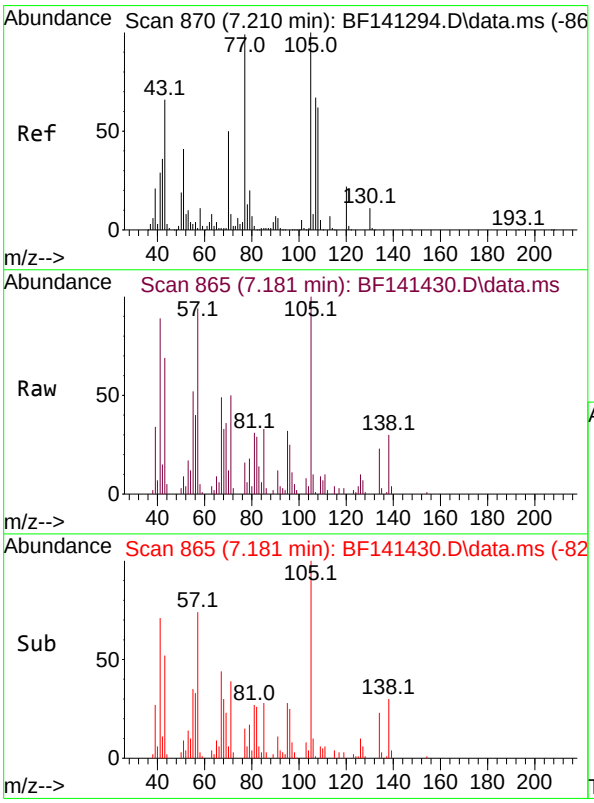

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:136 Resp: 301239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.6 | 13.0 |
| 54 | 10.7 | 7.8 | 11.8 |
| 68 | 5.9 | 4.9 | 7.3 |

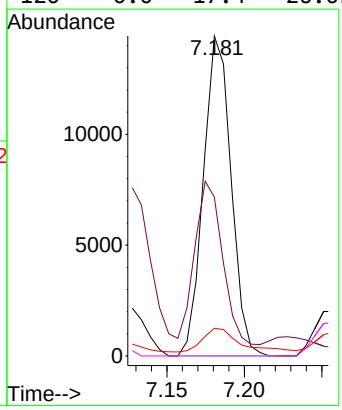


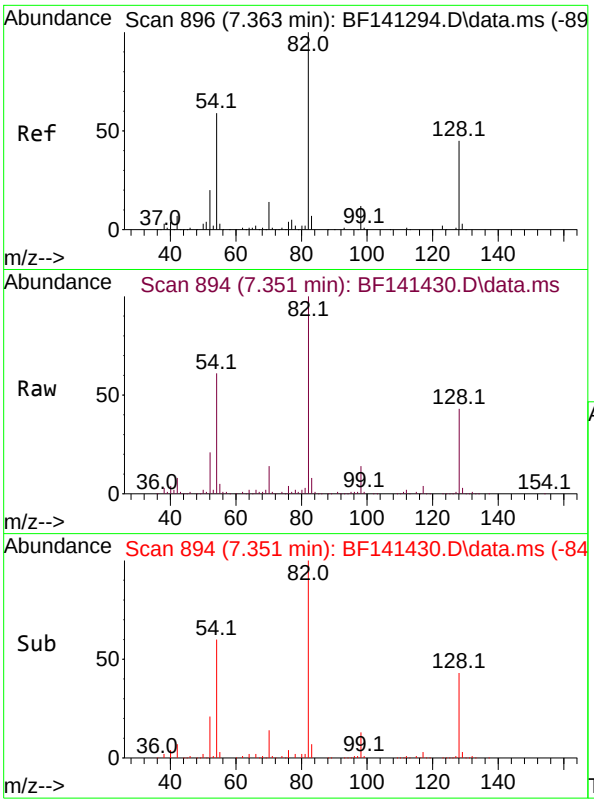




#22
Acetophenone
Concen: 2.505 ng
RT: 7.181 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:105 Resp: 17935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 49.7 | 6.8 | 10.2# |
| 51 | 8.7 | 32.6 | 49.0# |
| 120 | 0.0 | 17.4 | 26.0# |



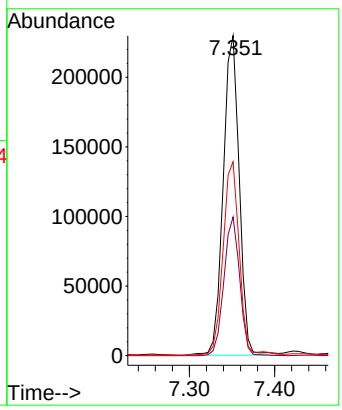


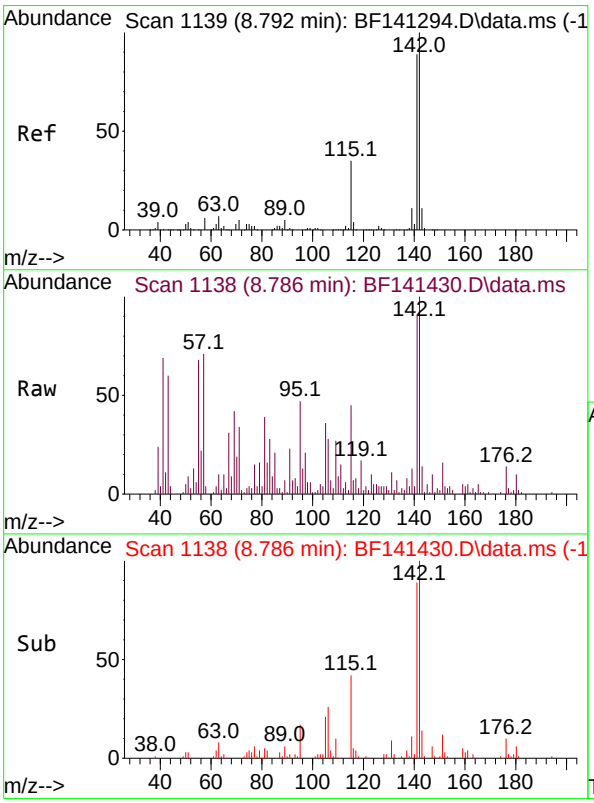

#23
Nitrobenzene-d5
Concen: 52.478 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion: 82 Resp: 299875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.4 | 35.7 | 53.5 |
| 54 | 60.6 | 47.1 | 70.7 |

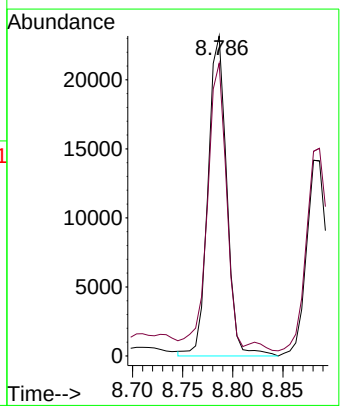


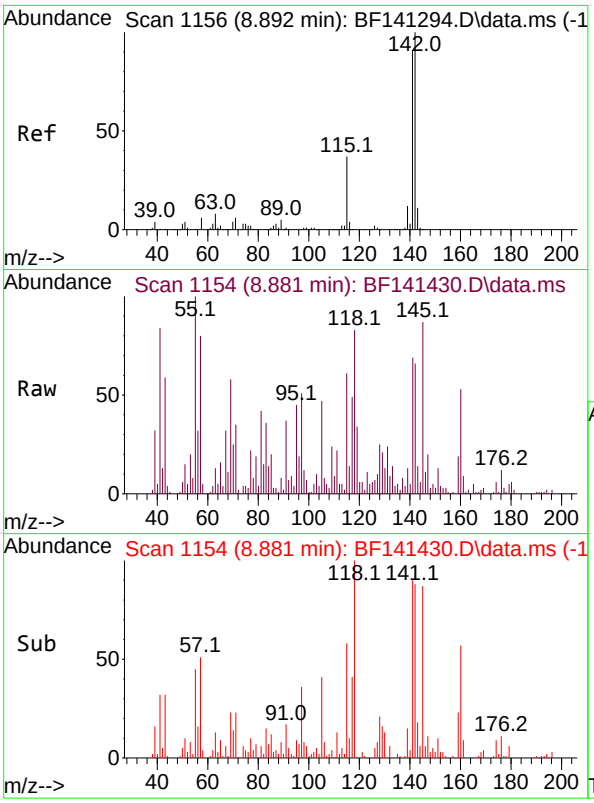




#37
2-Methylnaphthalene
Concen: 2.982 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:142 Resp: 30162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 71.3 | 106.9 |



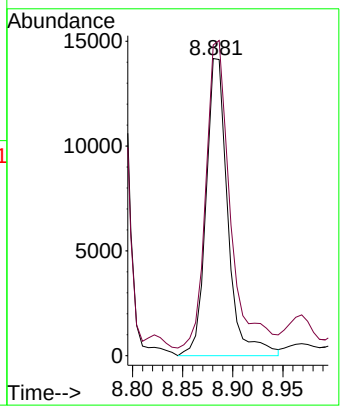


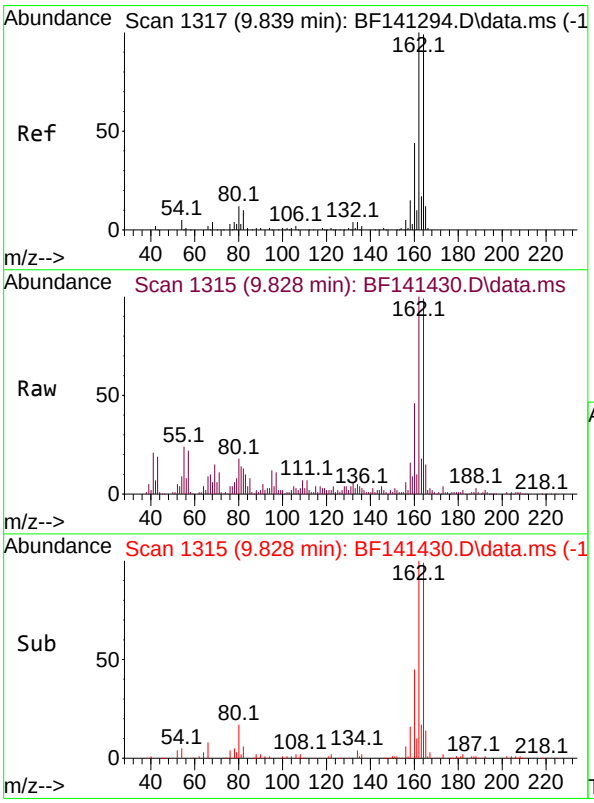

#38
1-Methylnaphthalene
Concen: 2.156 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:142 Resp: 21424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 104.5 | 73.2 | 109.8 |

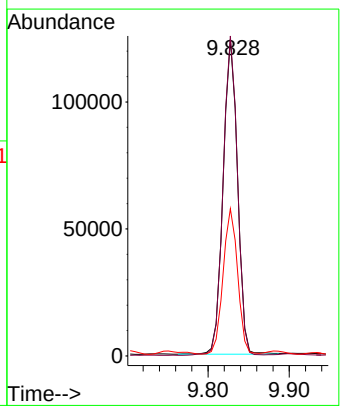


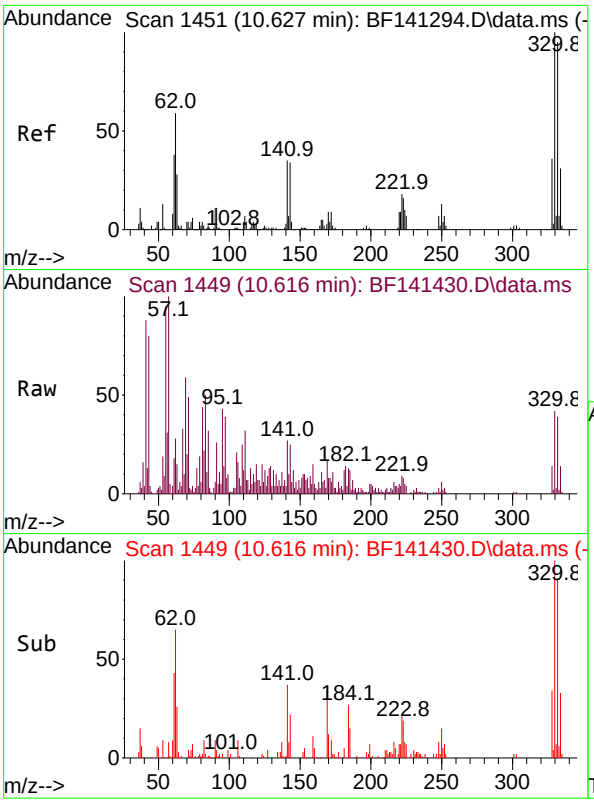




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:164 Resp: 153391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 80.6 | 121.0 |
| 160 | 46.5 | 35.8 | 53.6 |



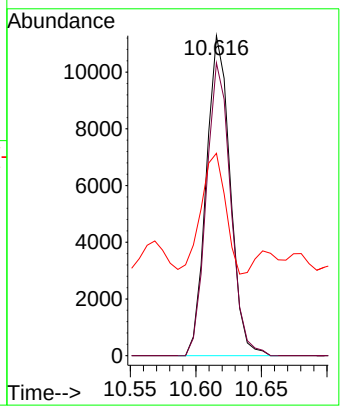


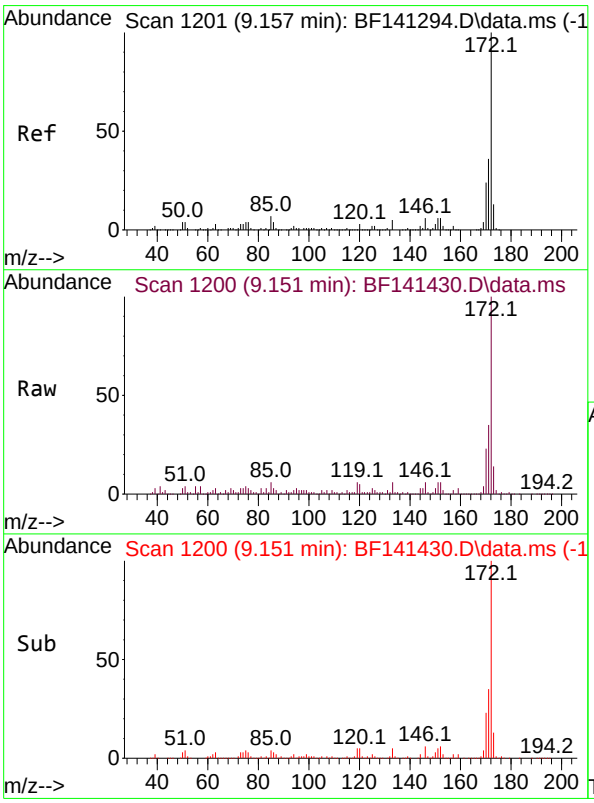

#42
2,4,6-Tribromophenol
Concen: 10.168 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:330 Resp: 14298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.9 | 76.1 | 114.1 |
| 141 | 38.5 | 28.8 | 43.2 |

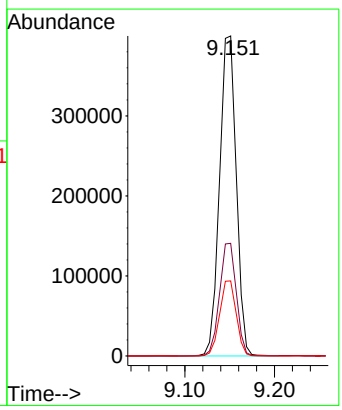


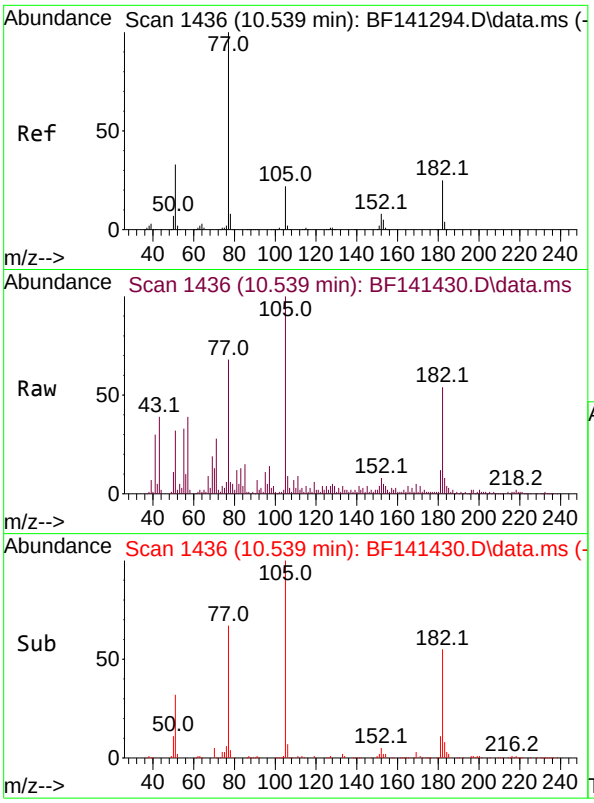




#45
2-Fluorobiphenyl
Concen: 52.028 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:172 Resp: 518493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.8 | 43.2 |
| 170 | 23.4 | 19.0 | 28.6 |



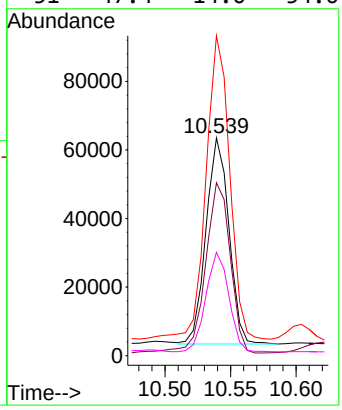


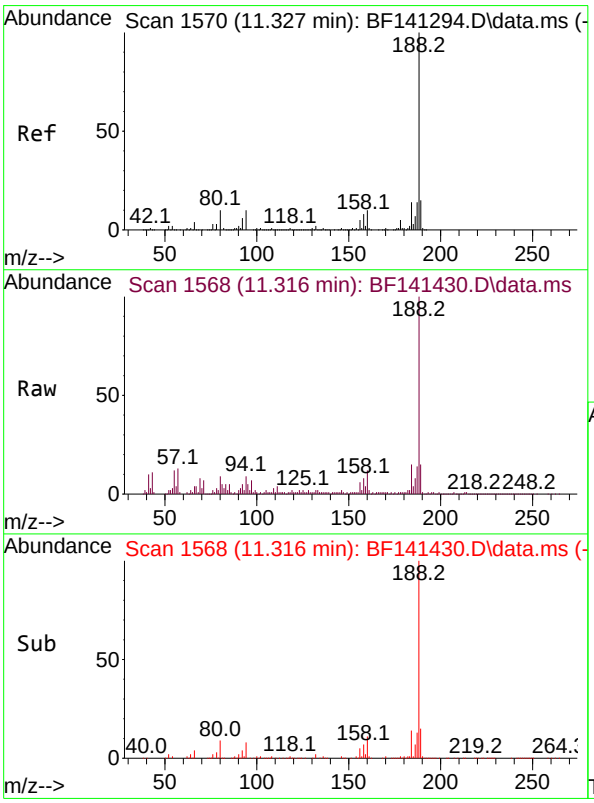

#63
Azobenzene
Concen: 7.266 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion: 77 Resp: 73064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 79.5 | 5.1 | 45.1# |
| 105 | 147.0 | 1.8 | 41.8# |
| 51 | 47.4 | 14.0 | 54.0 |

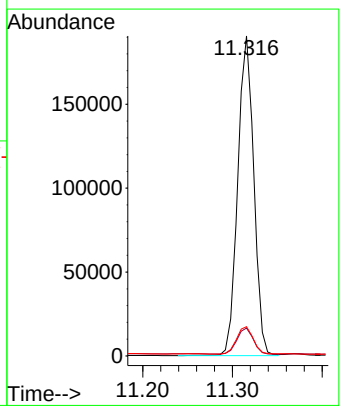


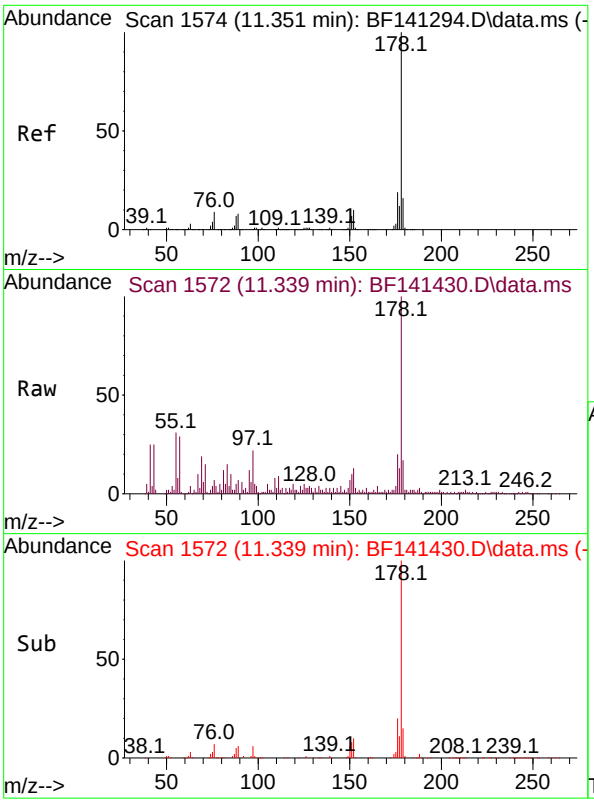




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:188 Resp: 236407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 7.8 | 11.6 |
| 80 | 9.2 | 8.2 | 12.4 |



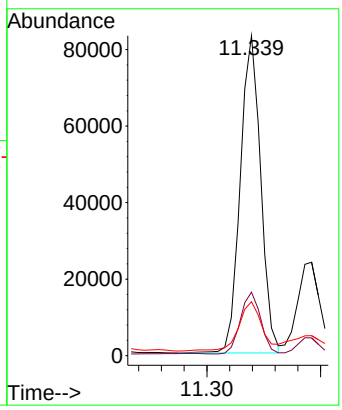


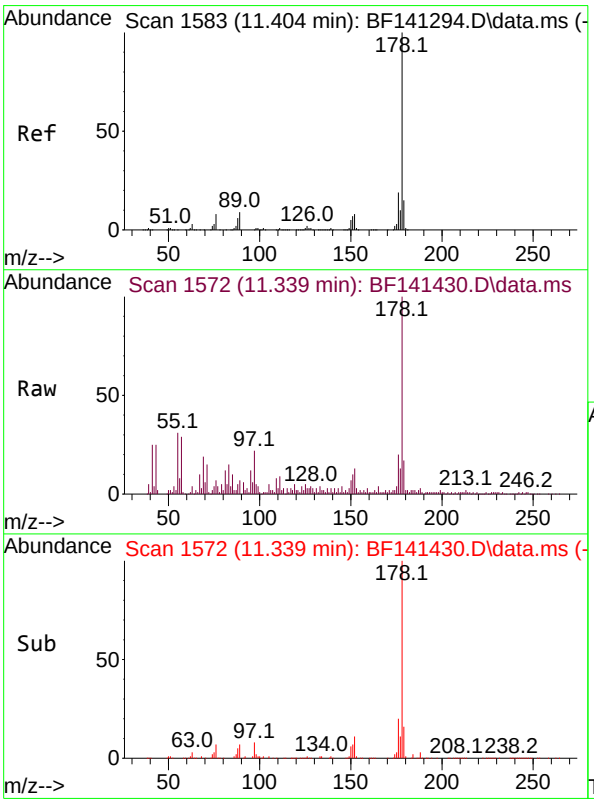

#71
Phenanthrene
Concen: 8.115 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:178 Resp: 103126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.3 | 22.9 |
| 179 | 16.9 | 12.5 | 18.7 |

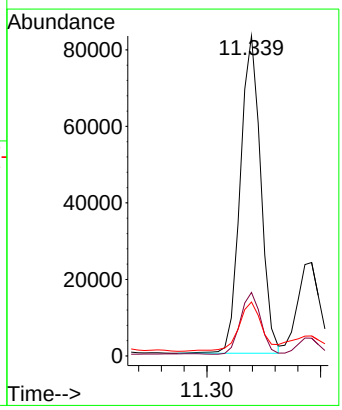


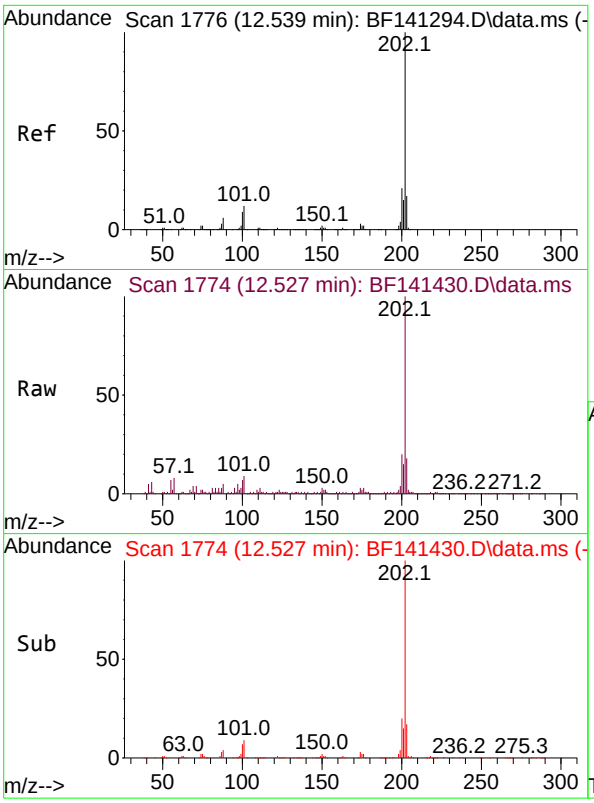




#72
Anthracene
Concen: 8.282 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.065 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:178 Resp: 103126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.0 | 22.6 |
| 179 | 16.9 | 12.3 | 18.5 |



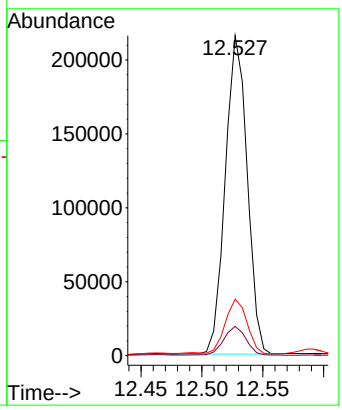


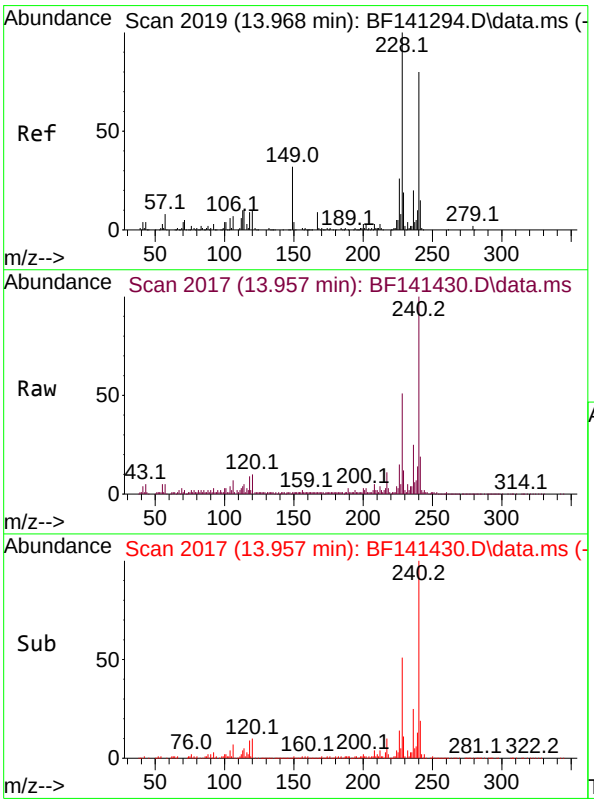

#75
Fluoranthene
Concen: 21.511 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:202 Resp: 269907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 31.7 |
| 203 | 17.7 | 0.0 | 37.5 |

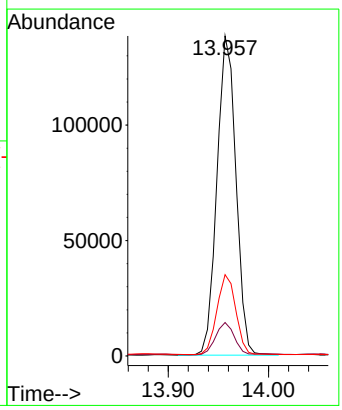


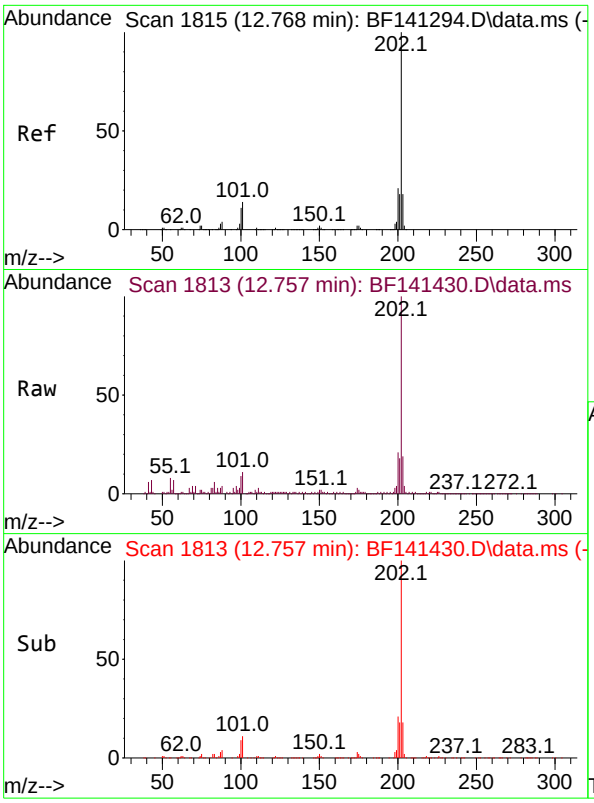




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:240 Resp: 181759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 10.0 | 15.0 |
| 236 | 25.4 | 19.7 | 29.5 |



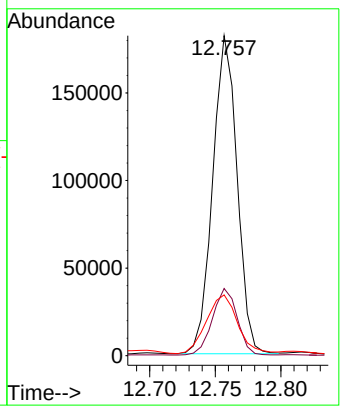


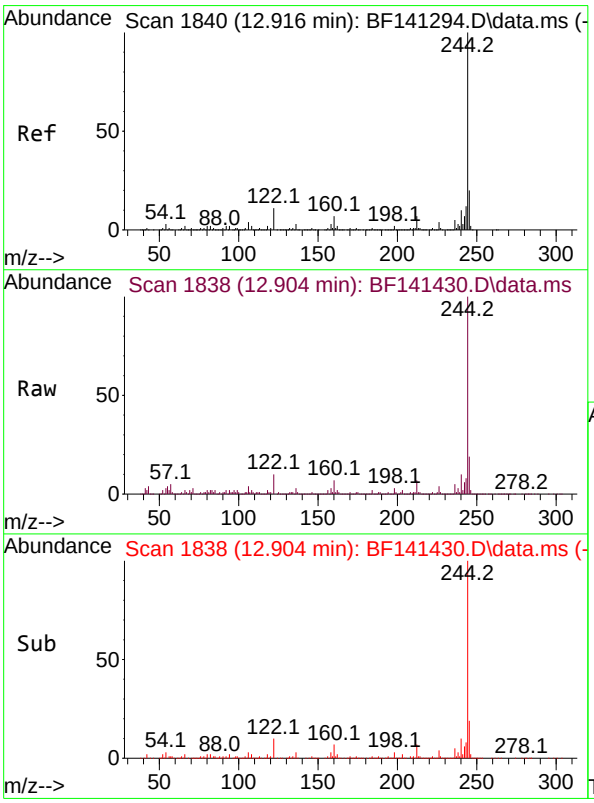

#78
Pyrene
Concen: 13.478 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:202 Resp: 235150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.0 | 25.4 |
| 203 | 19.0 | 14.3 | 21.5 |

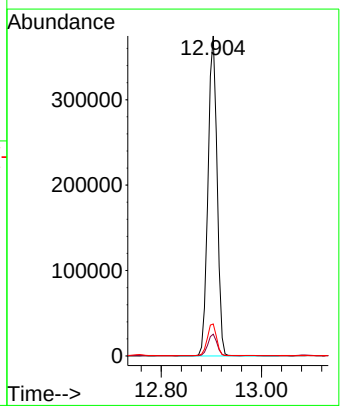


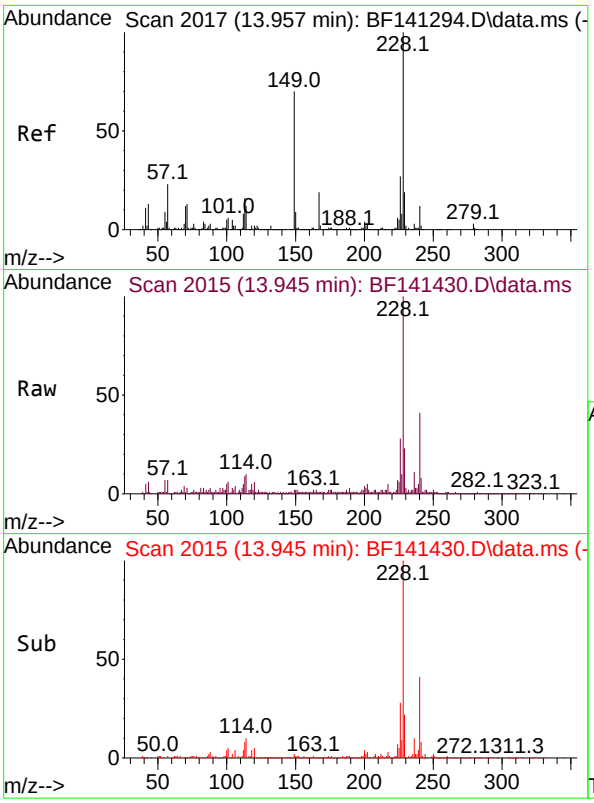




#79
Terphenyl-d14
Concen: 40.202 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:244 Resp: 473815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 10.0 | 8.8 | 13.2 |



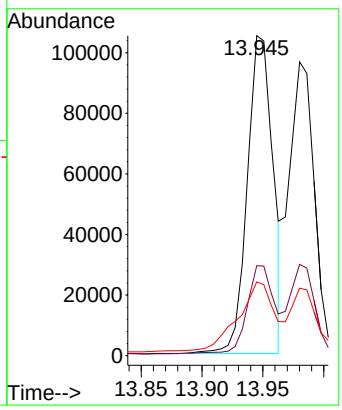


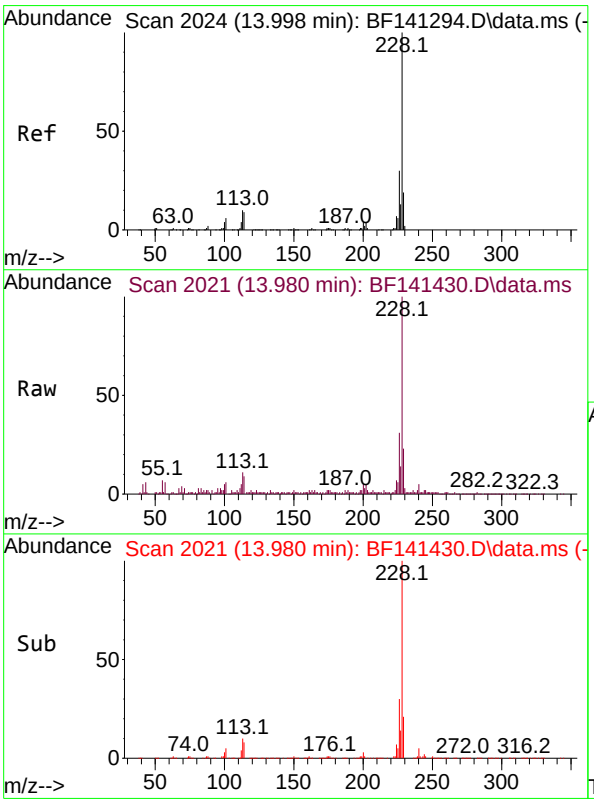

#81
Benzo(a)anthracene
Concen: 12.317 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:228 Resp: 154487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 21.4 | 32.2 |
| 229 | 23.1 | 15.5 | 23.3 |

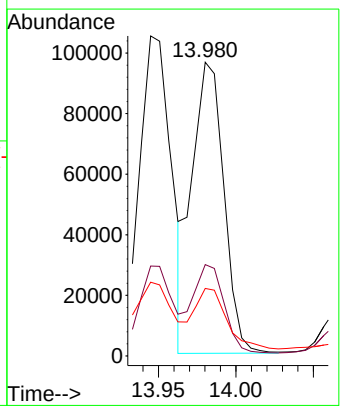


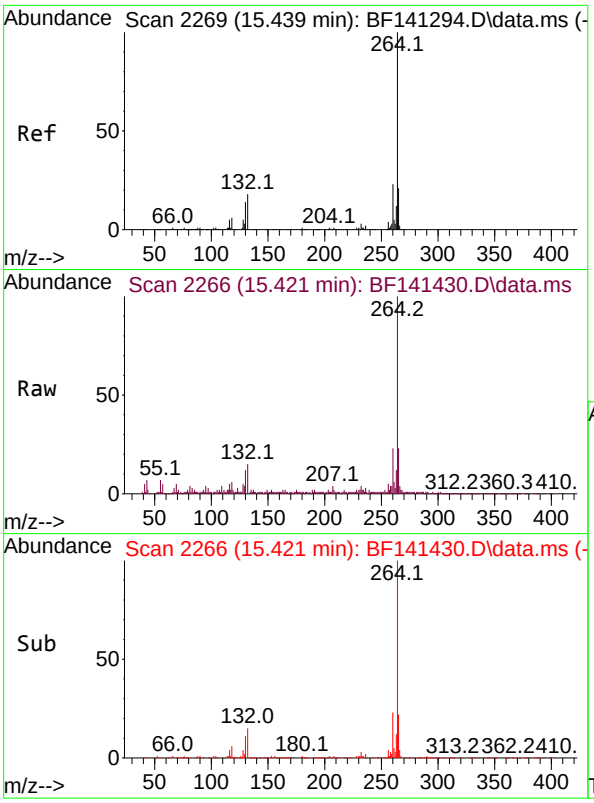




#83
Chrysene
Concen: 11.959 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:228 Resp: 137464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.1 | 36.1 |
| 229 | 23.0 | 15.6 | 23.4 |



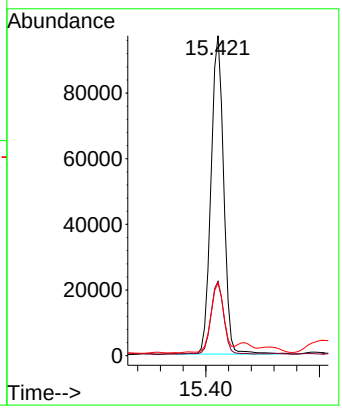


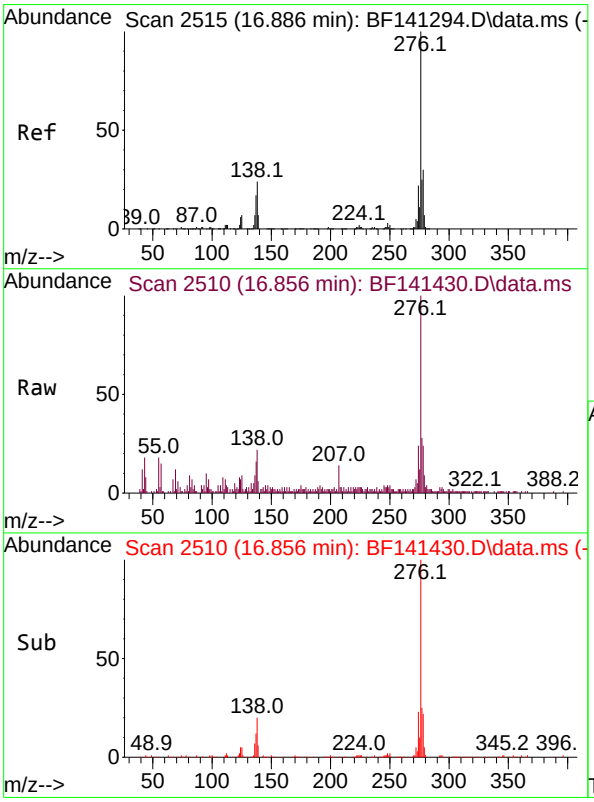

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:264 Resp: 149424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.6 | 27.8 |
| 265 | 22.7 | 16.7 | 25.1 |

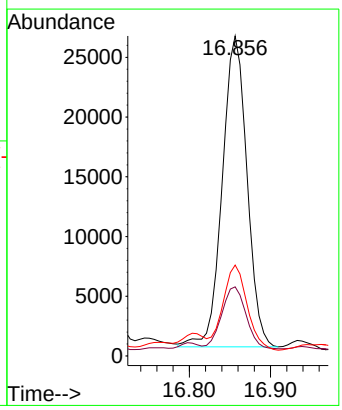


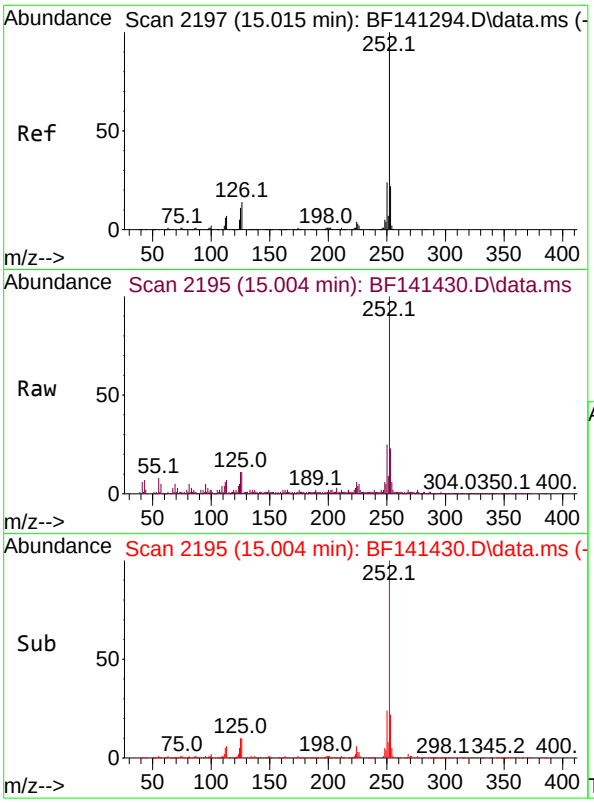




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.718 ng
RT: 16.856 min Scan# 2510
Delta R.T. -0.041 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:276 Resp: 55147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.7 | 21.7 | 32.5# |
| 277 | 26.9 | 20.3 | 30.5 |



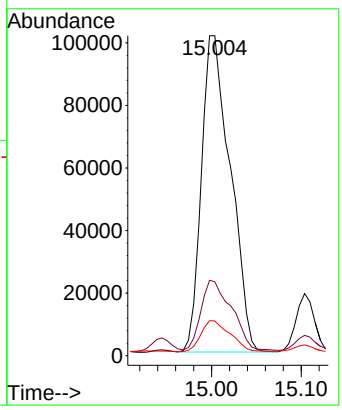


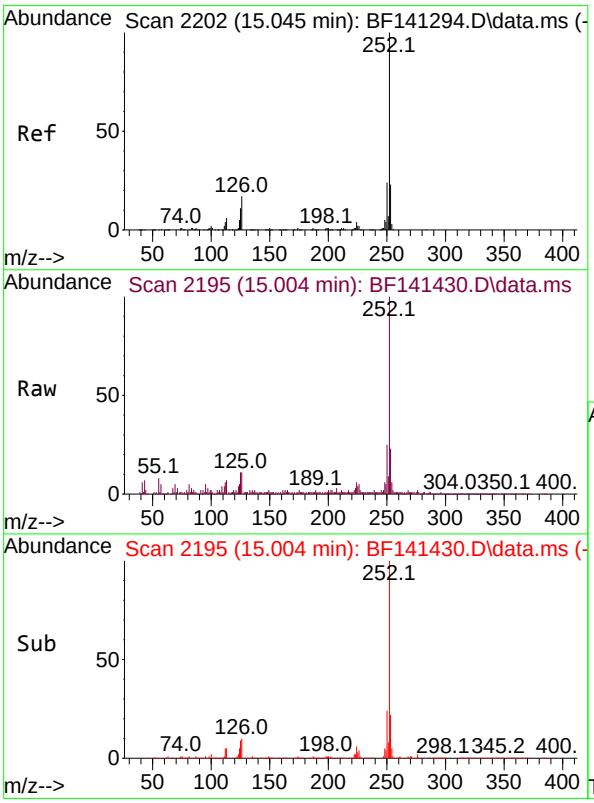

#88
Benzo(b)fluoranthene
Concen: 24.172 ng
RT: 15.004 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:252 Resp: 227201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.4 | 26.2 |
| 125 | 10.8 | 8.6 | 12.8 |

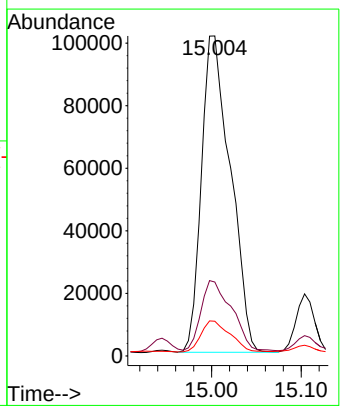


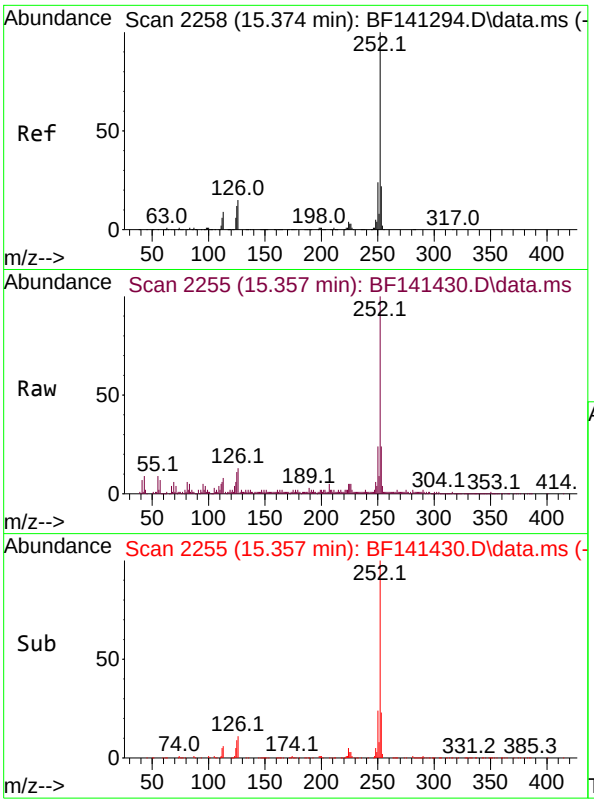




#89
Benzo(k)fluoranthene
Concen: 27.286 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:252 Resp: 227201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.6 | 26.4 |
| 125 | 10.8 | 8.4 | 12.6 |



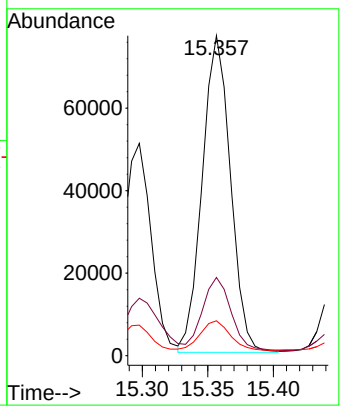


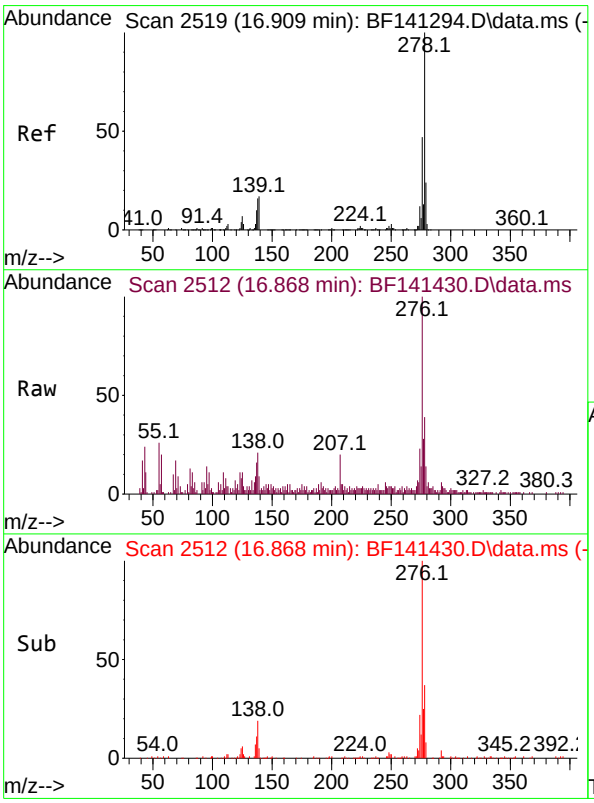

#90
Benzo(a)pyrene
Concen: 14.462 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:252 Resp: 114865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.2 | 25.8 |
| 125 | 10.9 | 9.4 | 14.2 |

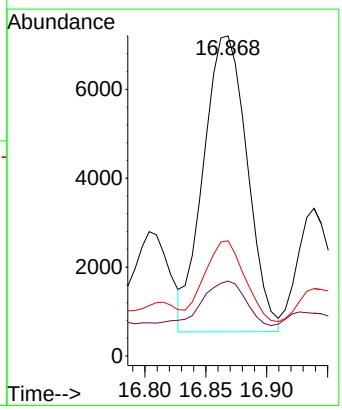


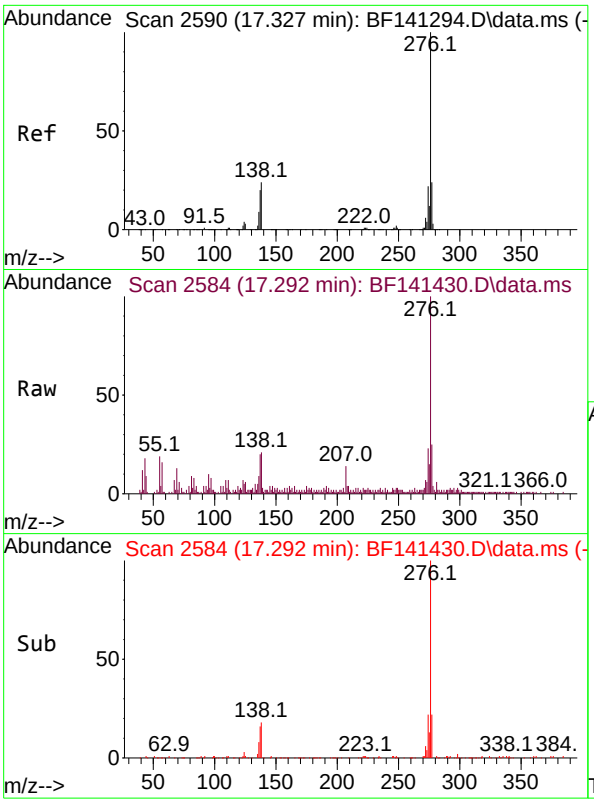




#91
Dibenzo(a,h)anthracene
Concen: 2.147 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.053 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:278 Resp: 16656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.4 | 13.9 | 20.9# |
| 279 | 36.0 | 18.8 | 28.2# |






#92
Benzo(g,h,i)perylene
Concen: 6.827 ng
RT: 17.292 min Scan# 2
Delta R.T. -0.053 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-020325

Tgt Ion:276 Resp: 55078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.2 | 19.2 | 28.8 |
| 138 | 20.8 | 19.0 | 28.4 |