Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
Data File : BF141661.D
Acq On : 18 Feb 2025 15:01
Operator : RC/JU
Sample : Q1373-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Quant Time: Feb 18 15:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 81687 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.063 | 136 | 320296 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.816 | 164 | 164284 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.298 | 188 | 261538 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 13.939 | 240 | 138074 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 15.380 | 264 | 172928 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 675661 | 129.673 | ng | | 0.00 |
| 7) Phenol-d6 | 6.428 | 99 | 751397 | 114.097 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 574371 | 93.533 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.604 | 330 | 214007 | 129.677 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.139 | 172 | 1030126 | 96.604 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.886 | 244 | 815315 | 99.685 | ng | | -0.02 |
| Target Compounds | | | | | | Qvalue | |
| 10) Phenol | 6.440 | 94 | 23309 | 3.401 | ng | # | 68 |
| 15) Benzyl Alcohol | 6.934 | 79 | 200488 | 39.699 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 790015 | 141.092 | ng | # | 53 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 22679 | 6.516 | ng | | 94 |
| 32) Benzoic acid | 7.845 | 122 | 64825 | 17.932 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 12296 | 2.361 | ng | # | 73 |
| 77) Benzidine | 12.645 | 184 | 31887 | 10.471 | ng | # | 96 |

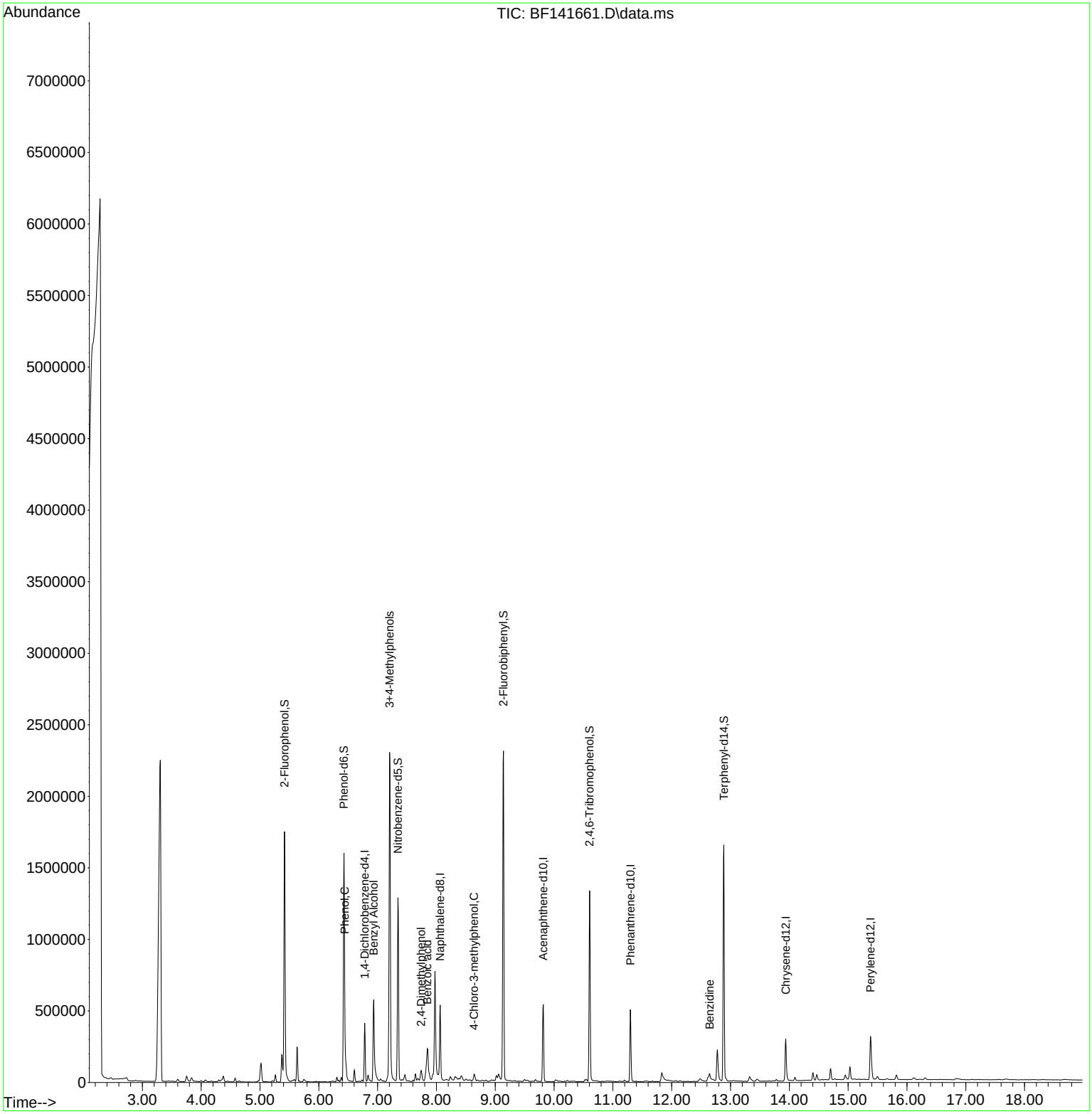
(#) = qualifier out of range (m) = manual integration (+) = signals summed

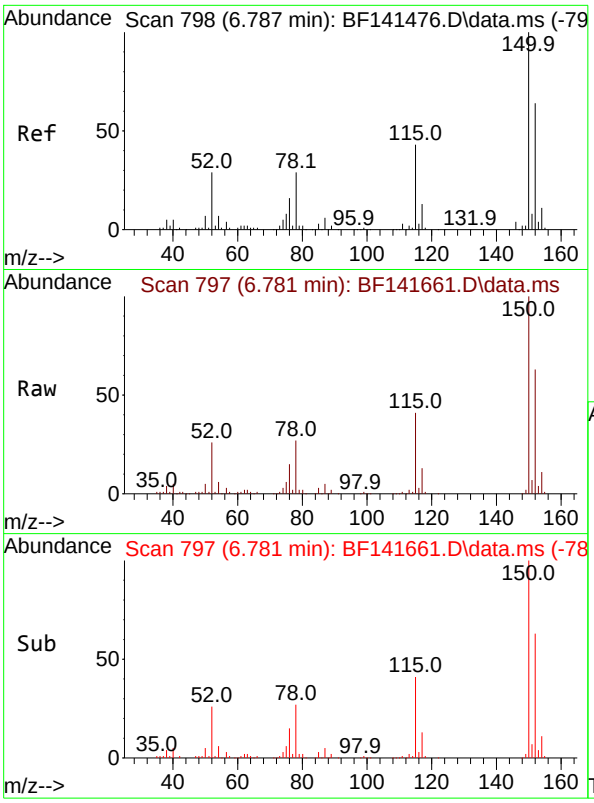
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
Data File : BF141661.D
Acq On : 18 Feb 2025 15:01
Operator : RC/JU
Sample : Q1373-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Quant Time: Feb 18 15:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



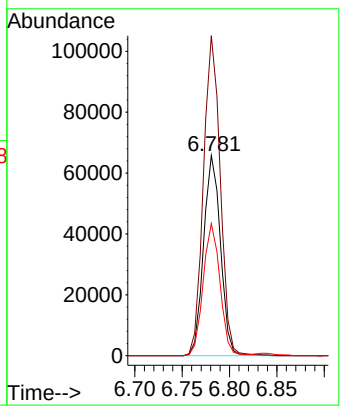


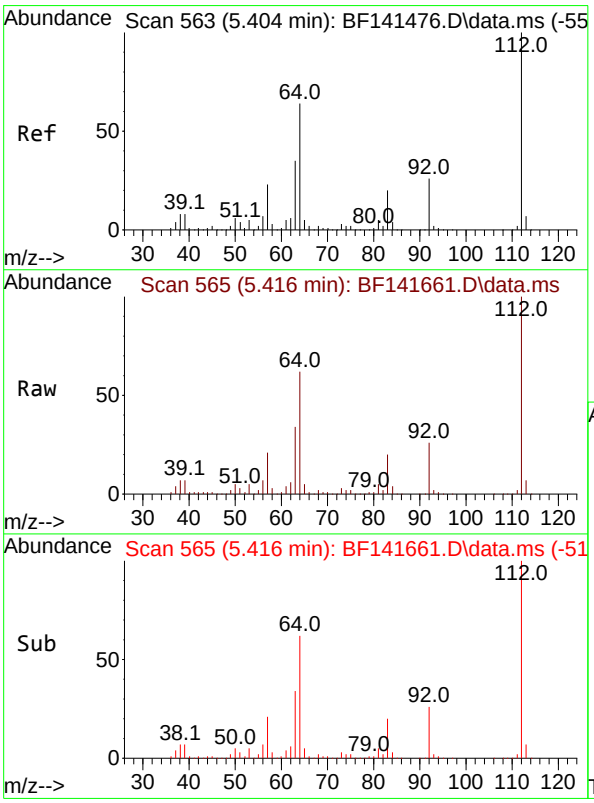

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:152 Resp: 81687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.8 | 125.0 | 187.4 |
| 115 | 65.9 | 53.6 | 80.4 |

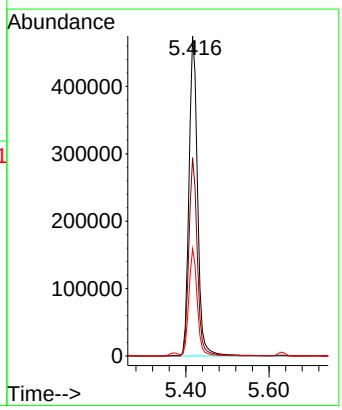


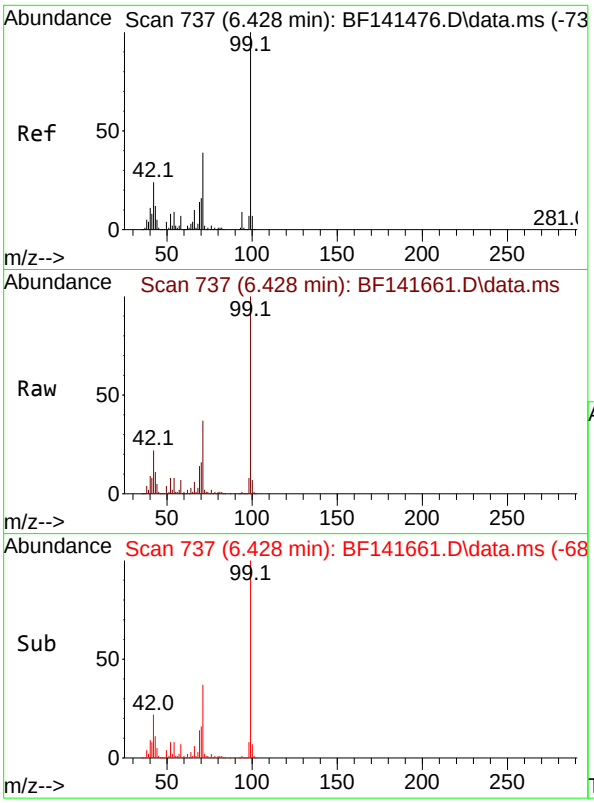




#5
2-Fluorophenol
Concen: 129.673 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:112 Resp: 675661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 51.1 | 76.7 |
| 63 | 33.5 | 28.4 | 42.6 |



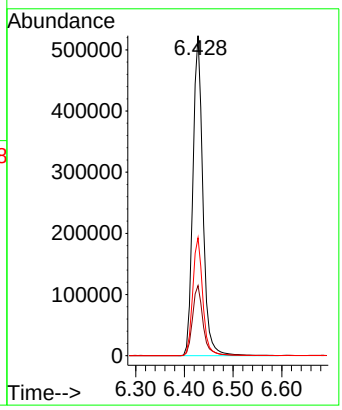


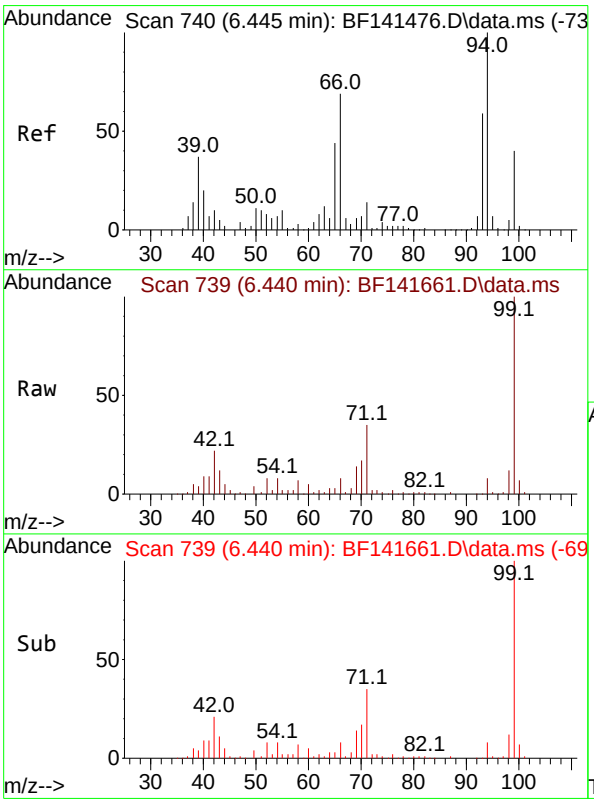

#7
Phenol-d6
Concen: 114.097 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion: 99 Resp: 751397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.9 | 19.1 | 28.7 |
| 71 | 36.9 | 31.1 | 46.7 |

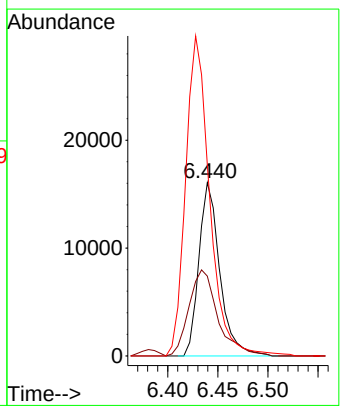


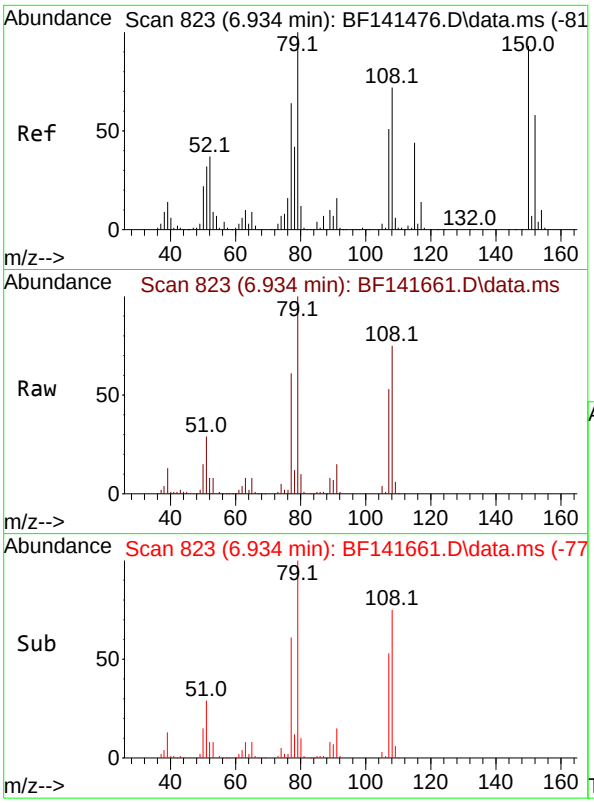




#10
Phenol
Concen: 3.401 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 94 Resp: 23309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 46.1 | 23.7 | 63.7 |
| 66 | 110.3 | 49.3 | 89.3# |



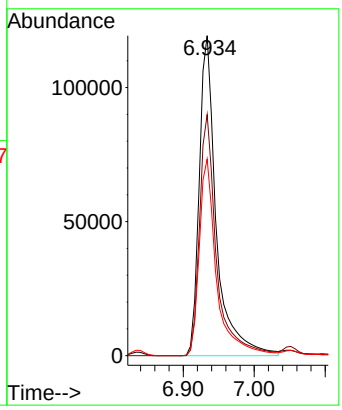


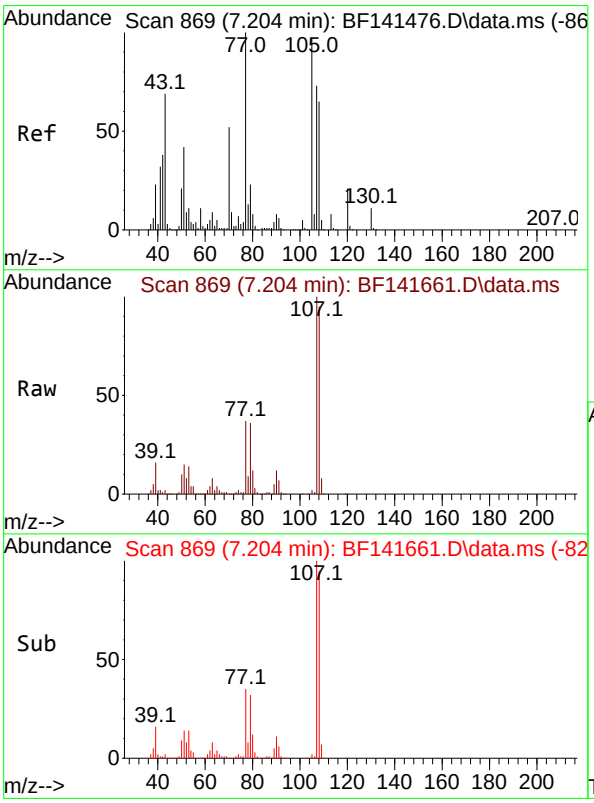

#15
Benzyl Alcohol
Concen: 39.699 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion: 79 Resp: 200488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.3 | 57.4 | 86.2 |
| 77 | 61.5 | 50.9 | 76.3 |

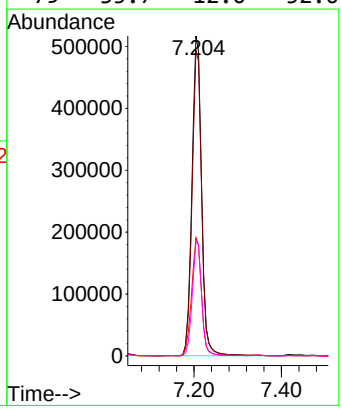


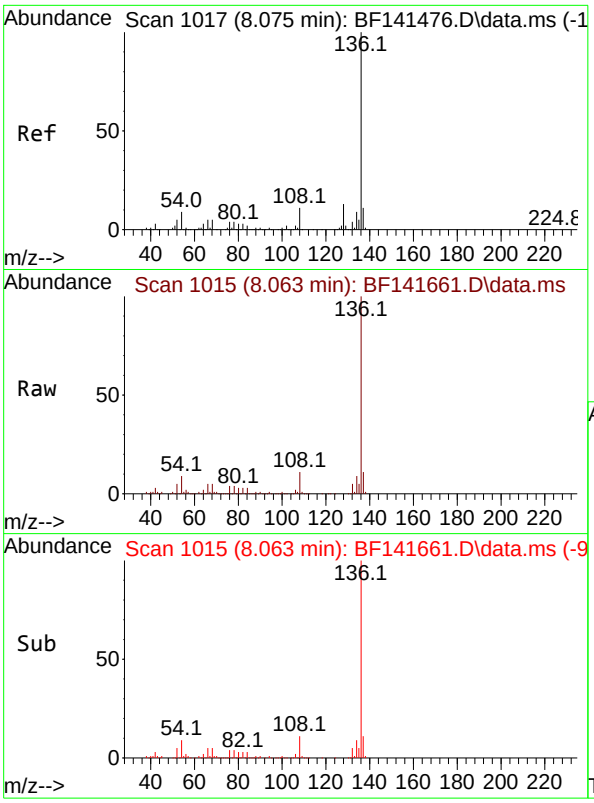




#20
3+4-Methylphenols
Concen: 141.092 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:107 Resp: 790015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 95.4 | 68.5 | 108.5 |
| 77 | 36.9 | 116.5 | 156.5# |
| 79 | 35.7 | 12.0 | 52.0 |



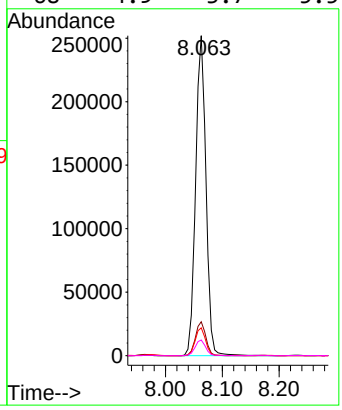


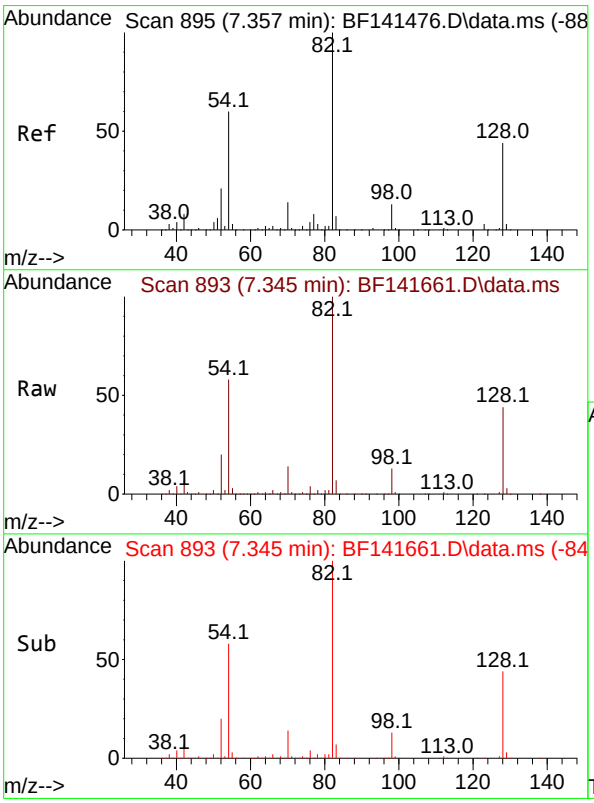

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:136 Resp: 320296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 8.7 | 7.2 | 10.8 |
| 68 | 4.9 | 3.7 | 5.5 |

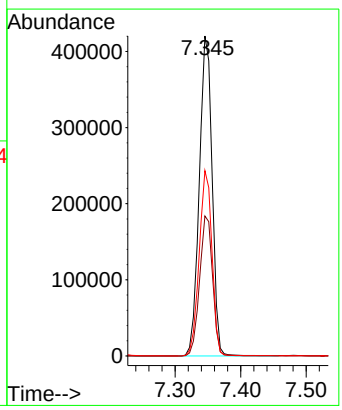


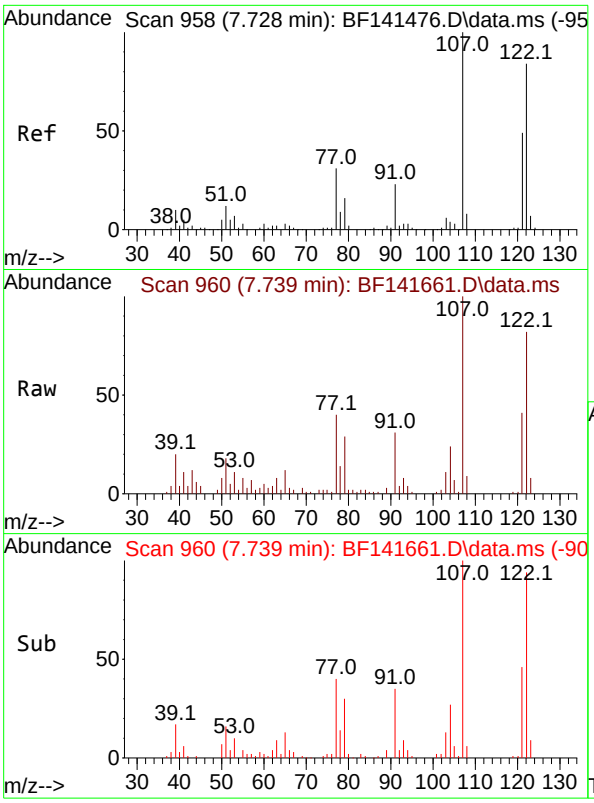




#23
Nitrobenzene-d5
Concen: 93.533 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion: 82 Resp: 574371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.7 | 34.8 | 52.2 |
| 54 | 57.9 | 48.2 | 72.4 |



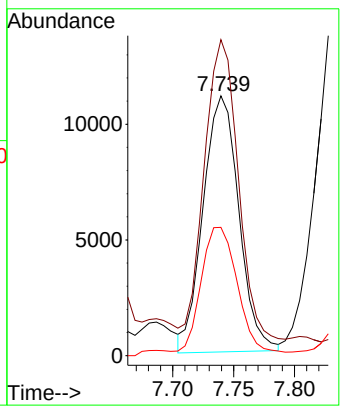


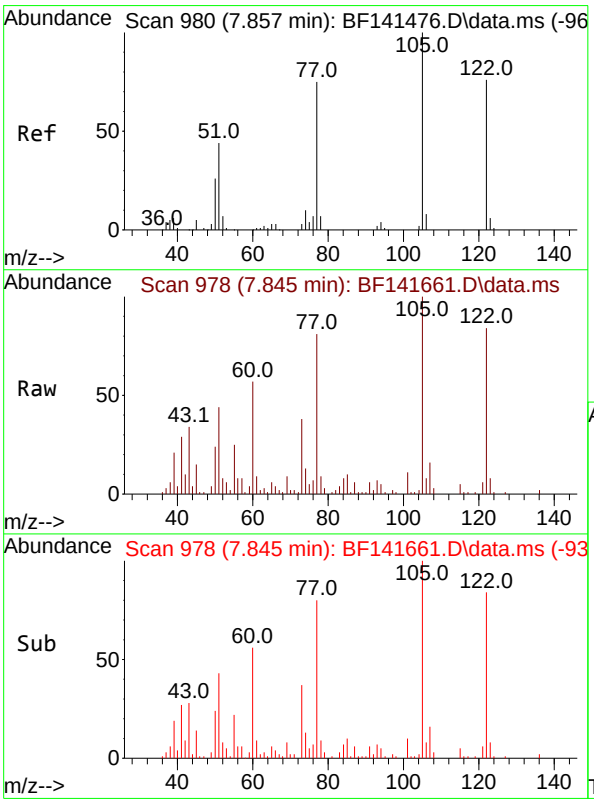

#27
2,4-Dimethylphenol
Concen: 6.516 ng
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:122 Resp: 22679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 121.6 | 94.3 | 141.5 |
| 121 | 49.4 | 46.0 | 69.0 |

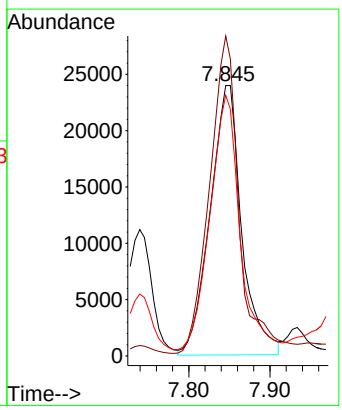


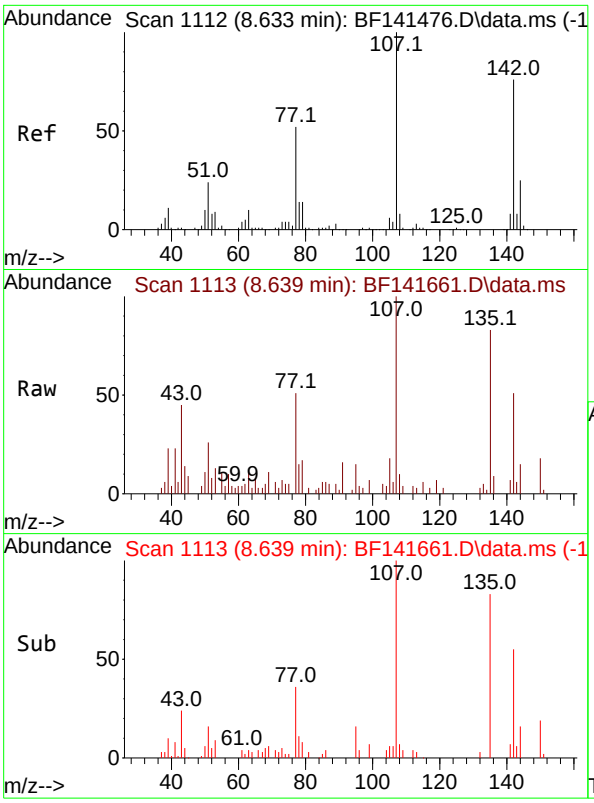




#32
Benzoic acid
Concen: 17.932 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:122 Resp: 64825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 118.4 | 106.5 | 146.5 |
| 77 | 96.4 | 76.3 | 116.3 |



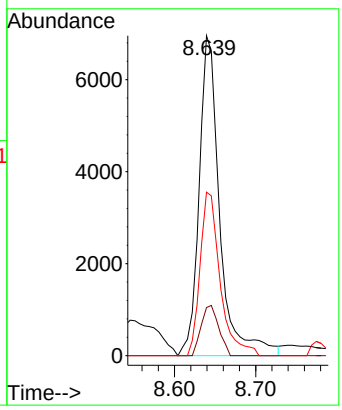


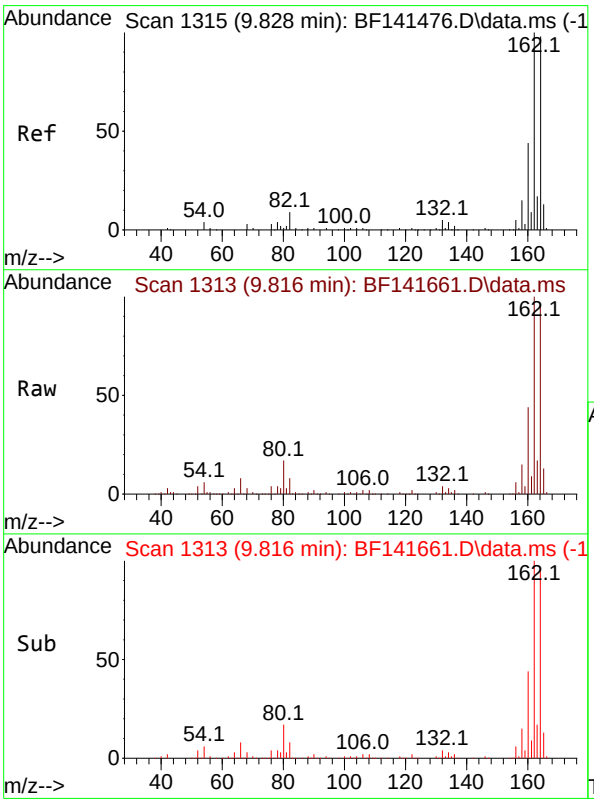

#36
4-Chloro-3-methylphenol
Concen: 2.361 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:107 Resp: 12296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 15.1 | 19.7 | 29.5# |
| 142 | 51.1 | 60.8 | 91.2# |

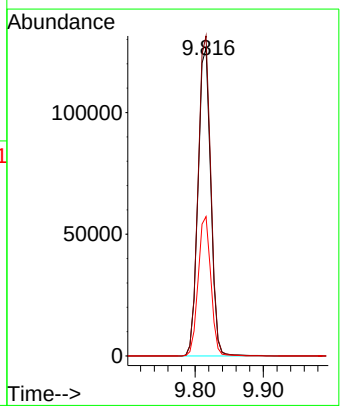


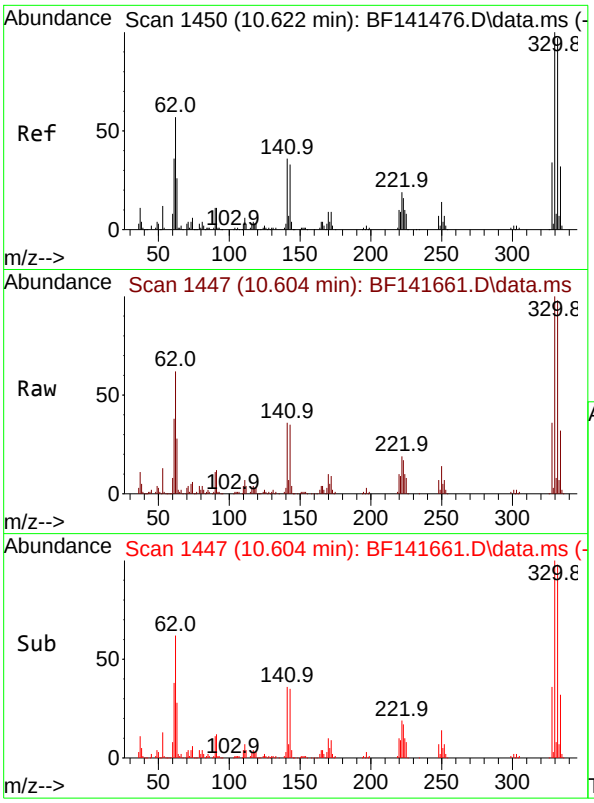




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:164 Resp: 164284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 81.3 | 121.9 |
| 160 | 45.3 | 35.9 | 53.9 |



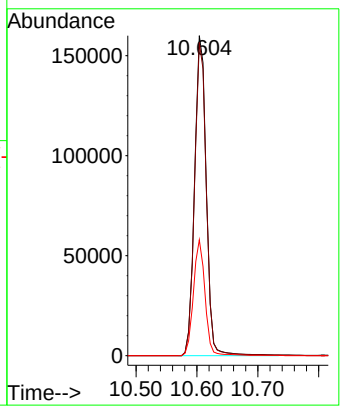


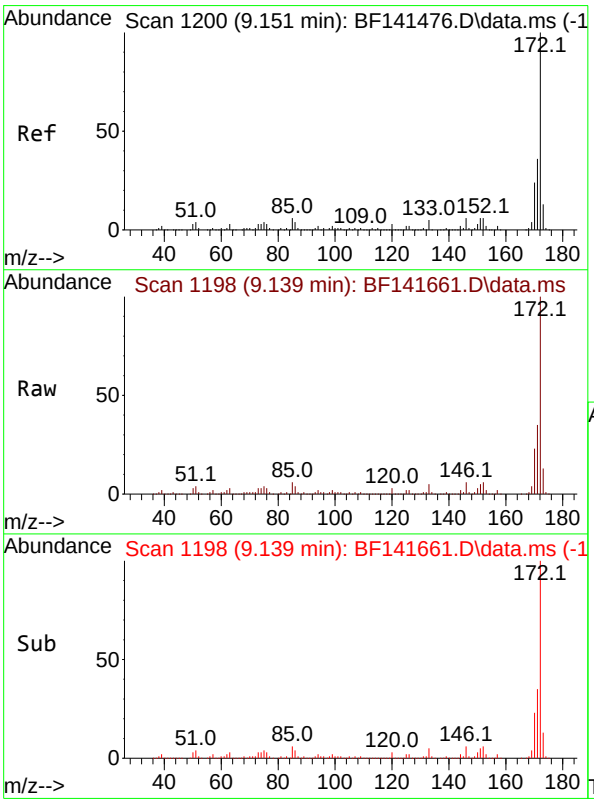

#42
2,4,6-Tribromophenol
Concen: 129.677 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:330 Resp: 214007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 78.5 | 117.7 |
| 141 | 35.9 | 31.0 | 46.4 |

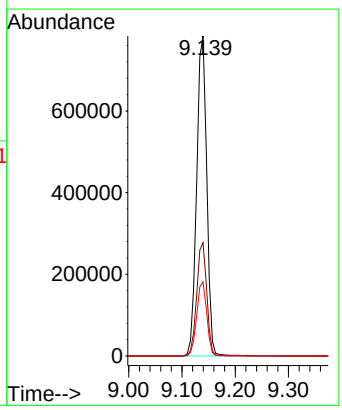


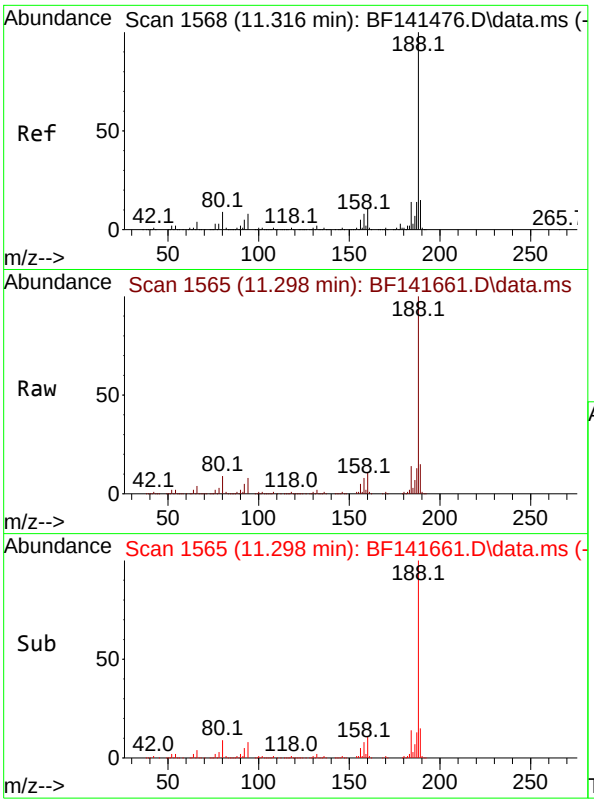




#45
2-Fluorobiphenyl
Concen: 96.604 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:172 Resp: 1030126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.7 | 43.1 |
| 170 | 23.1 | 18.9 | 28.3 |



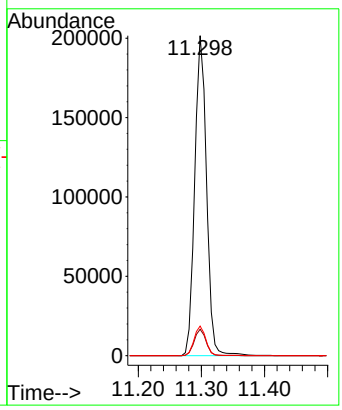


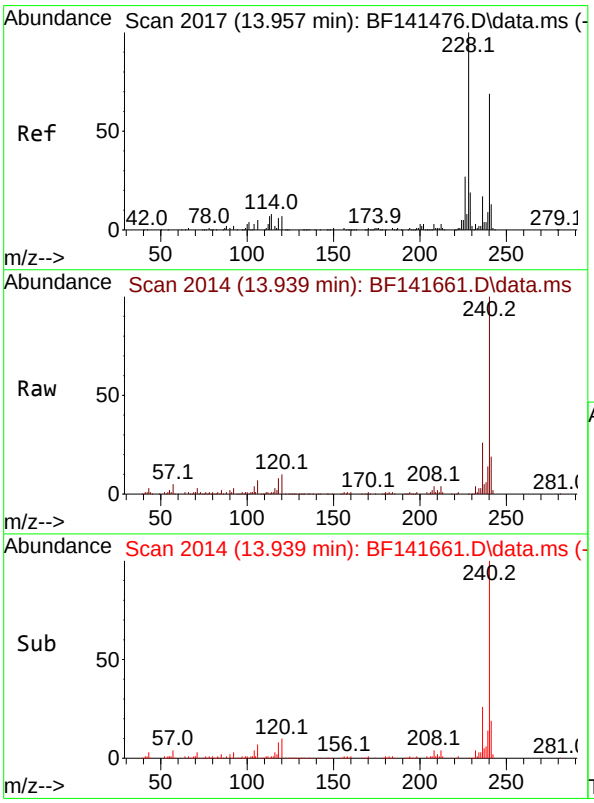

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:188 Resp: 261538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.6 | 10.0 |
| 80 | 9.2 | 7.3 | 10.9 |

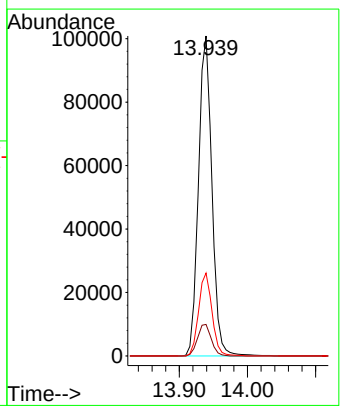


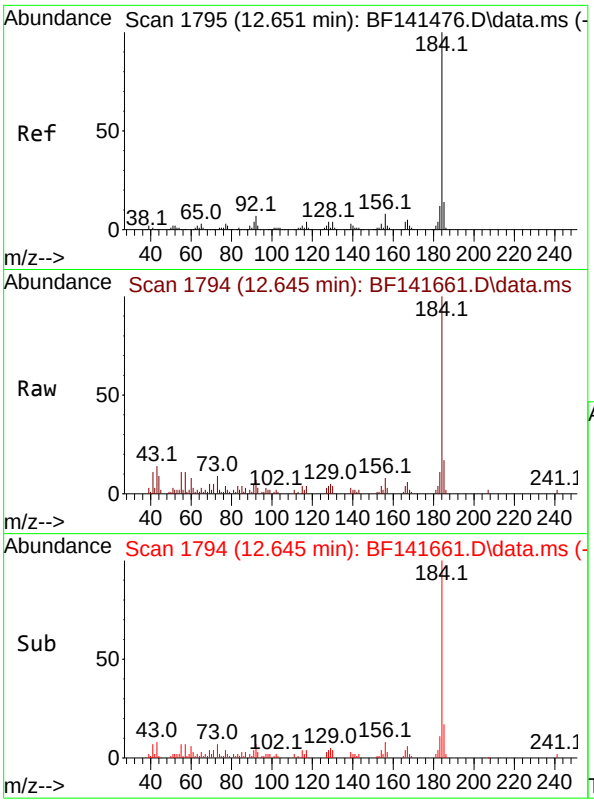




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:240 Resp: 138074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.0 | 12.0 |
| 236 | 25.9 | 19.8 | 29.8 |



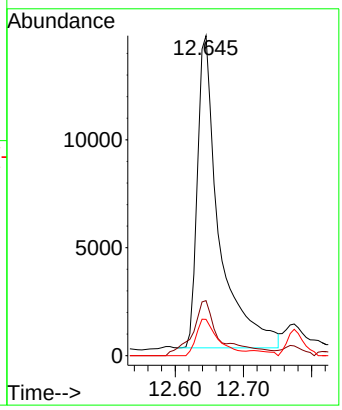


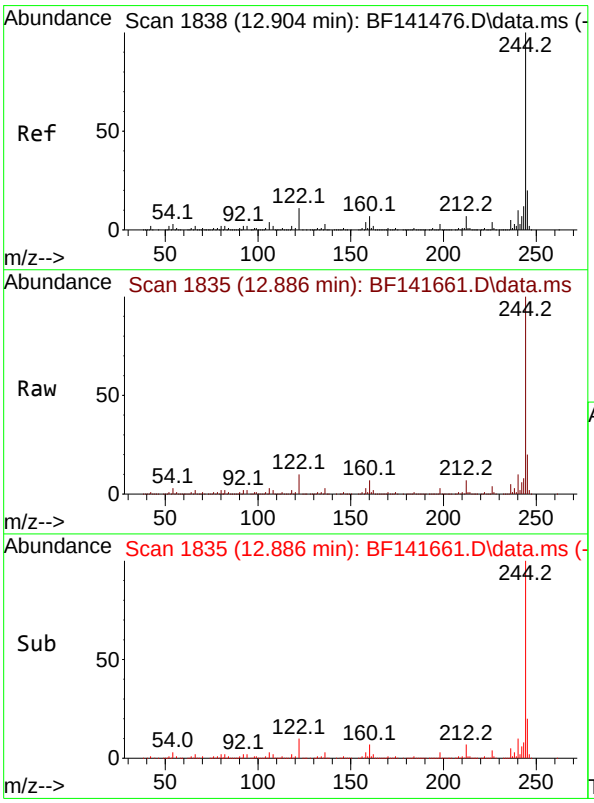

#77
Benzidine
Concen: 10.471 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:184 Resp: 31887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.2 | 11.3 | 16.9# |
| 183 | 11.4 | 9.3 | 13.9 |

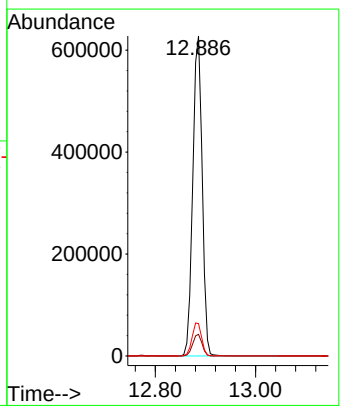


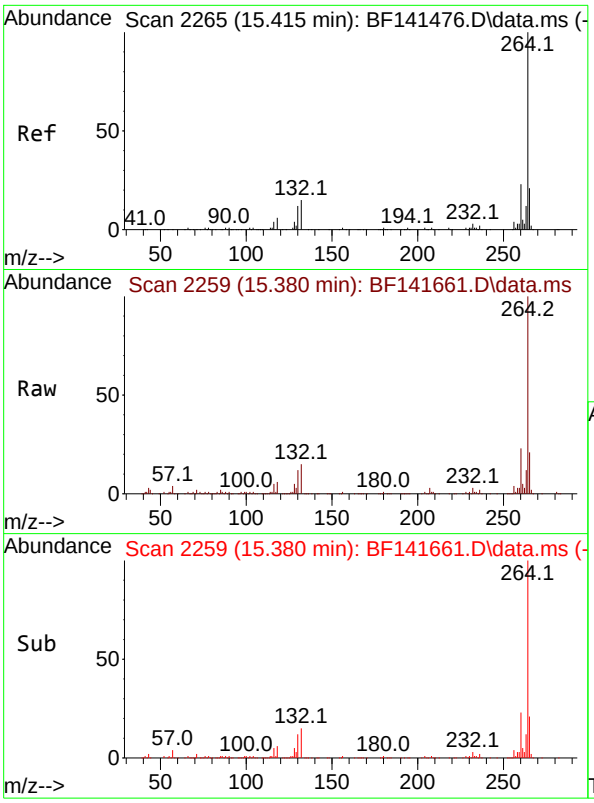




#79
Terphenyl-d14
Concen: 99.685 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.017 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

Tgt Ion:244 Resp: 815315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 10.1 | 8.4 | 12.6 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141661.D
Acq: 18 Feb 2025 15:01

**Instrument :**
BNA_F
**ClientSampleId :**
VB27161

Tgt Ion:264 Resp: 172928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.6 | 28.0 |
| 265 | 21.2 | 17.0 | 25.4 |