Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Quant Time: Apr 01 00:47:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

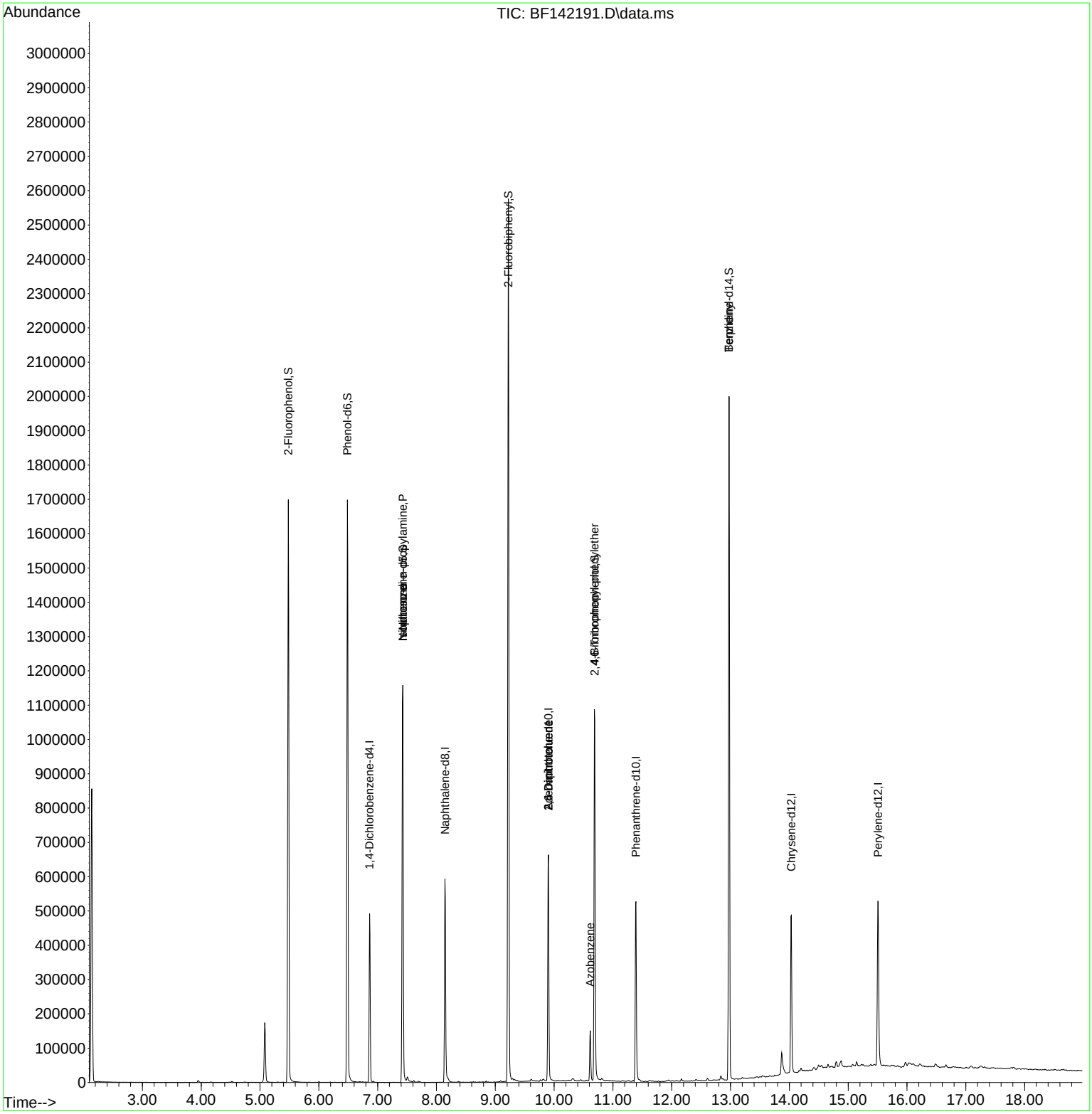
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.863 | 152 | 107368 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 8.145 | 136 | 406080 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 205334 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 297588 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 14.033 | 240 | 246157 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 308484 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 657013 | 102.128 | ng | -0.01 |
| 7) Phenol-d6 | 6.487 | 99 | 823001 | 100.477 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 546450 | 75.729 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 213972 | 82.141 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.222 | 172 | 1138602 | 84.331 | ng | -0.02 |
| 79) Terphenyl-d14 | 12.974 | 244 | 961933 | 57.775 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.428 | 70 | 73988 | 14.058 | ng | # 76 |
| 25) Isophorone | 7.428 | 82 | 540254 | 42.355 | ng | # 64 |
| 51) 2,6-Dinitrotoluene | 9.904 | 165 | 26681 | 8.912 | ng | # 23 |
| 57) 2,4-Dinitrotoluene | 9.904 | 165 | 26681 | 6.823 | ng | # 24 |
| 63) Azobenzene | 10.616 | 77 | 38108 | 2.859 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 10.686 | 248 | 13199 | 3.532 | ng | # 1 |
| 77) Benzidine | 12.974 | 184 | 13193 | 3.841 | ng | # 91 |

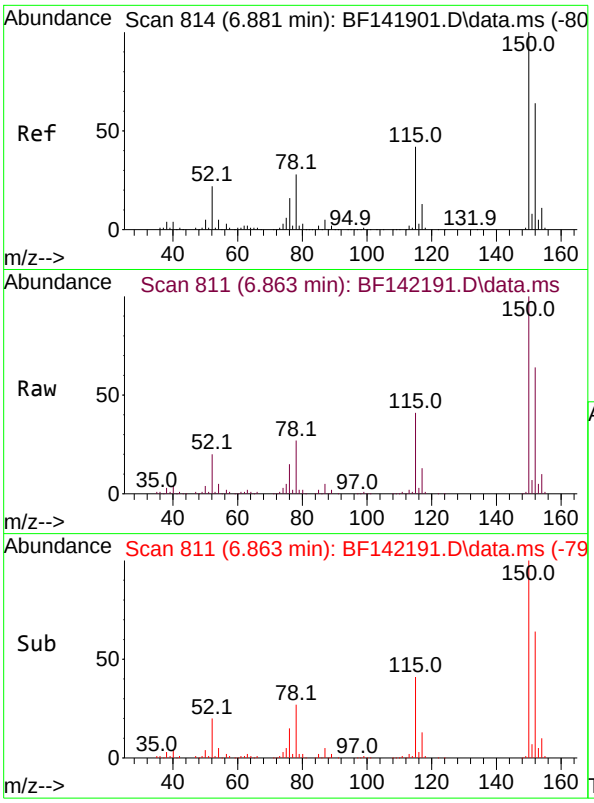
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Quant Time: Apr 01 00:47:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



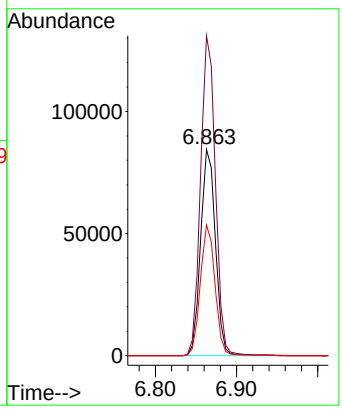


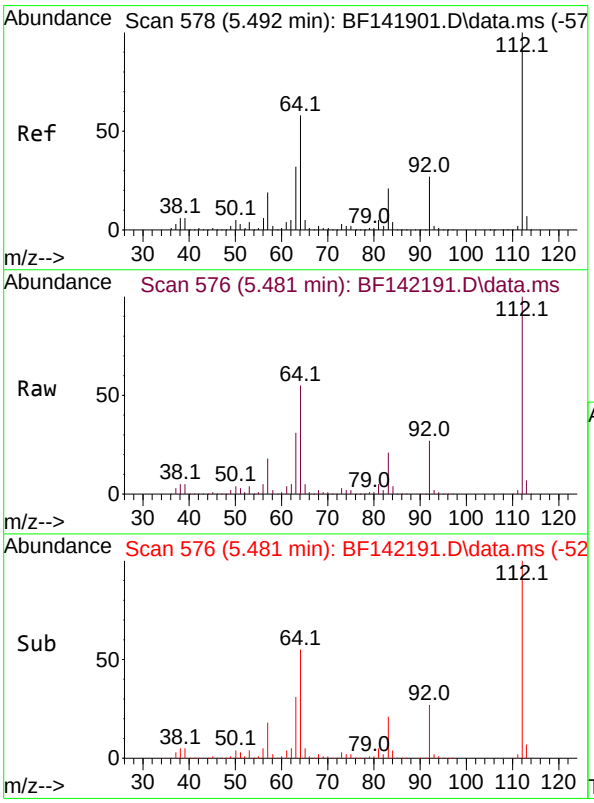

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:152 Resp: 107368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 127.4 | 191.2 |
| 115 | 63.4 | 51.9 | 77.9 |

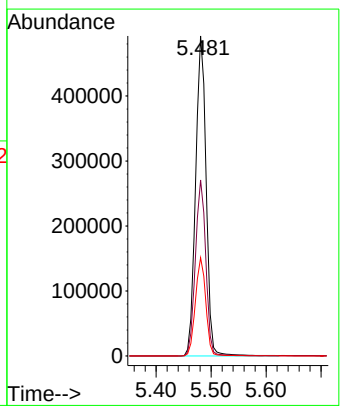


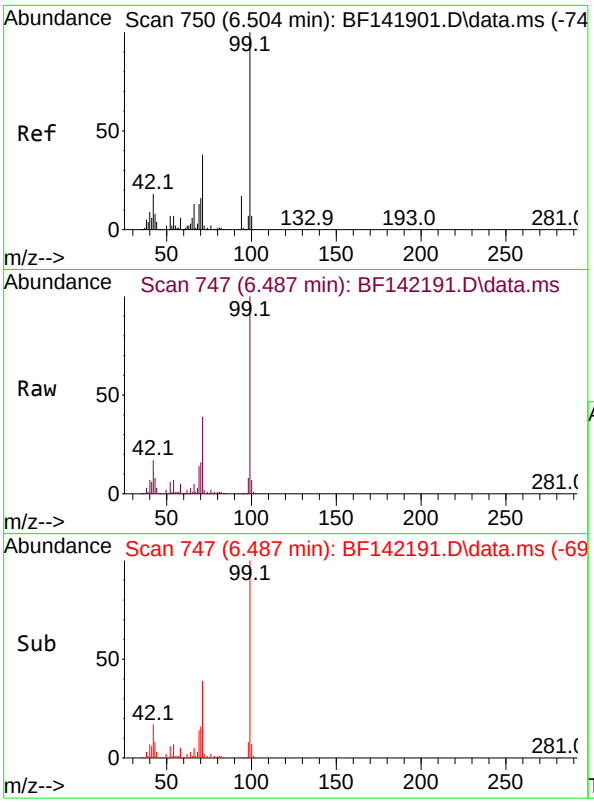




#5
2-Fluorophenol
Concen: 102.128 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:112 Resp: 657013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.0 | 46.5 | 69.7 |
| 63 | 30.7 | 25.4 | 38.2 |



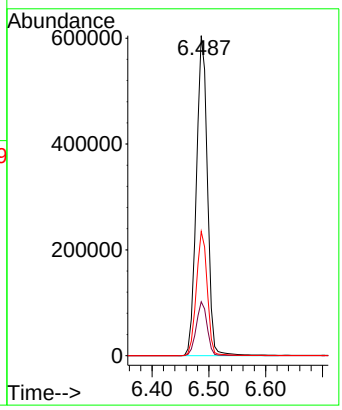


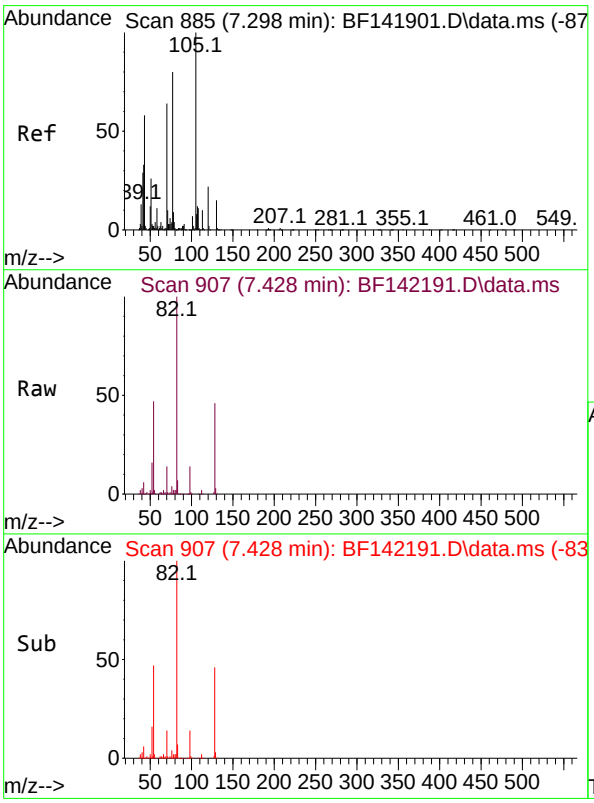

#7
Phenol-d6
Concen: 100.477 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion: 99 Resp: 823001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.9 | 14.6 | 21.8 |
| 71 | 38.8 | 30.8 | 46.2 |

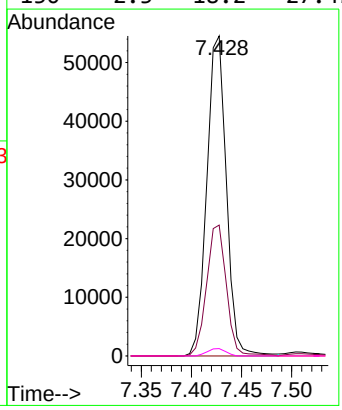


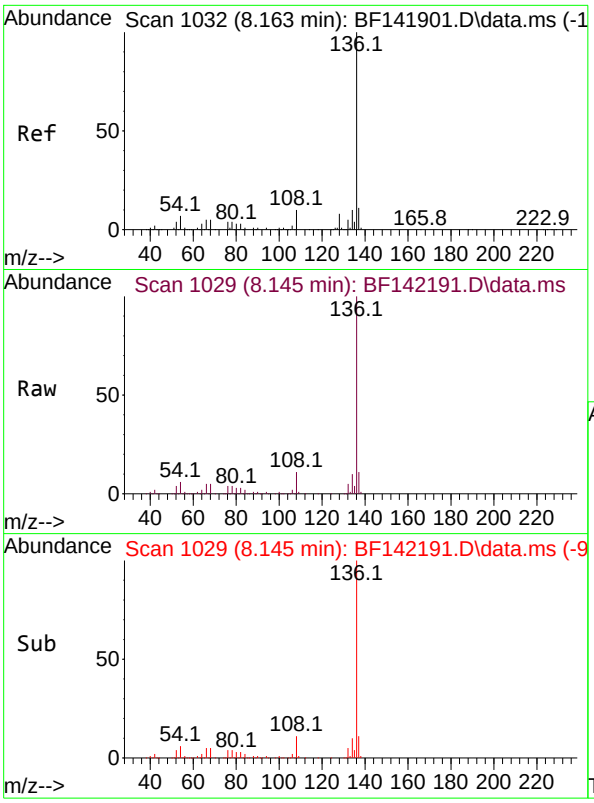




#19
n-Nitroso-di-n-propylamine
Concen: 14.058 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion: 70 Resp: 73988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.9 | 41.4 | 62.0# |
| 101 | 0.0 | 8.2 | 12.2# |
| 130 | 2.3 | 18.2 | 27.4# |



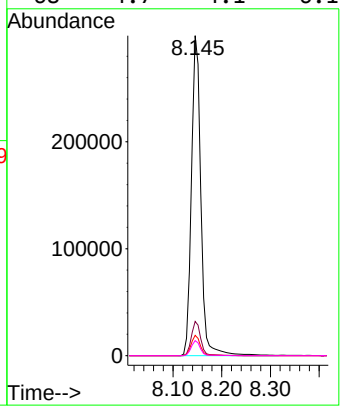


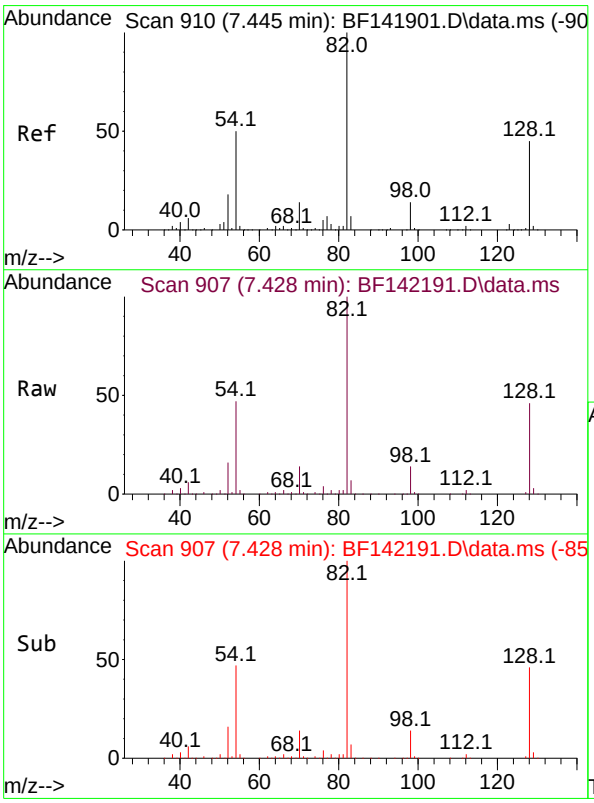

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:136 Resp: 406080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 6.4 | 5.8 | 8.8 |
| 68 | 4.7 | 4.1 | 6.1 |

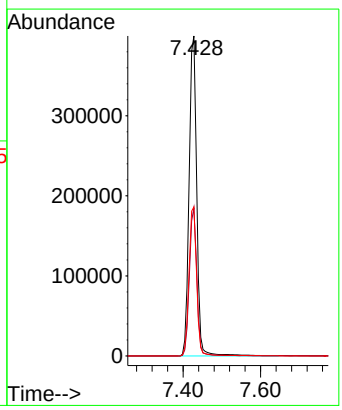


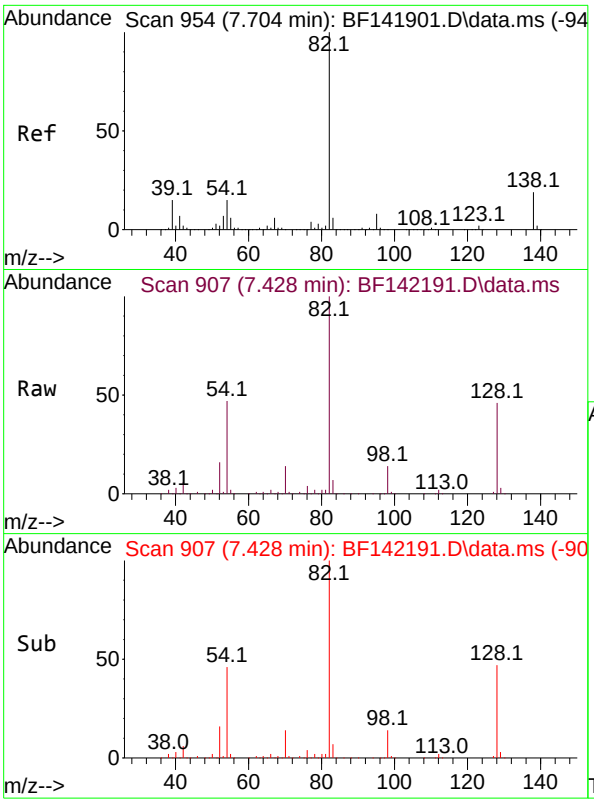




#23
Nitrobenzene-d5
Concen: 75.729 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion: 82 Resp: 546450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 36.0 | 54.0 |
| 54 | 46.6 | 39.6 | 59.4 |



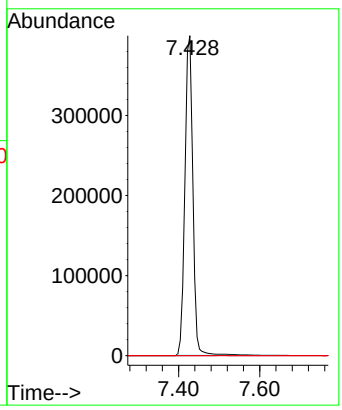


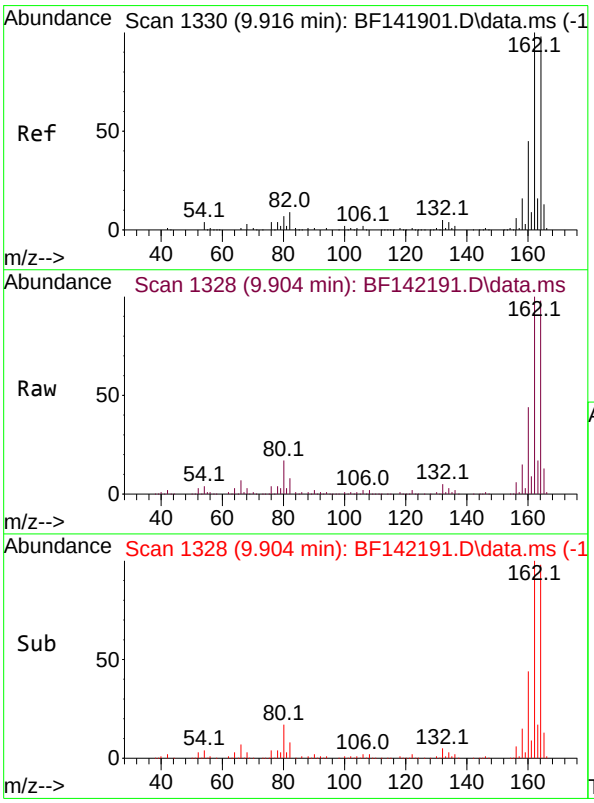

#25
Isophorone
Concen: 42.355 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.276 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion: 82 Resp: 540254

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

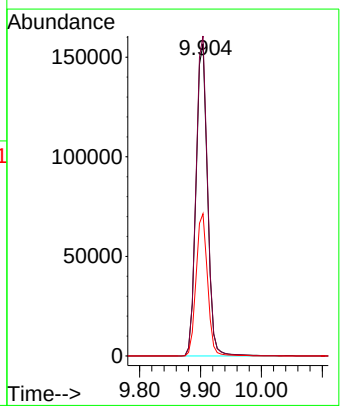


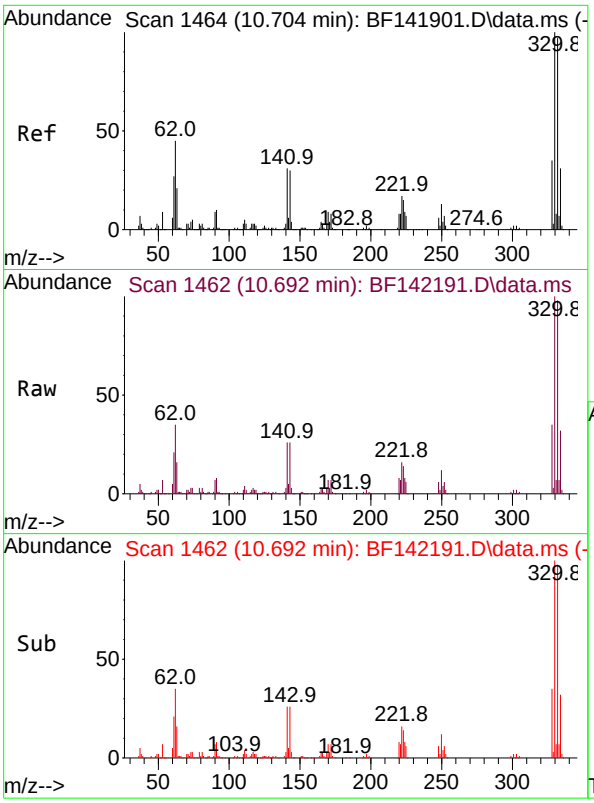




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:164 Resp: 205334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 81.8 | 122.6 |
| 160 | 45.5 | 36.7 | 55.1 |



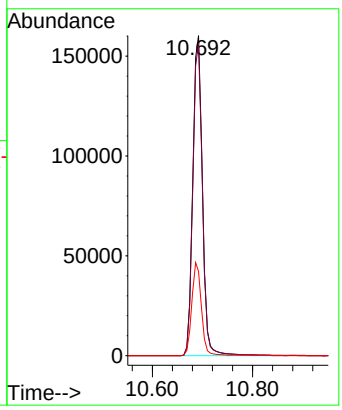


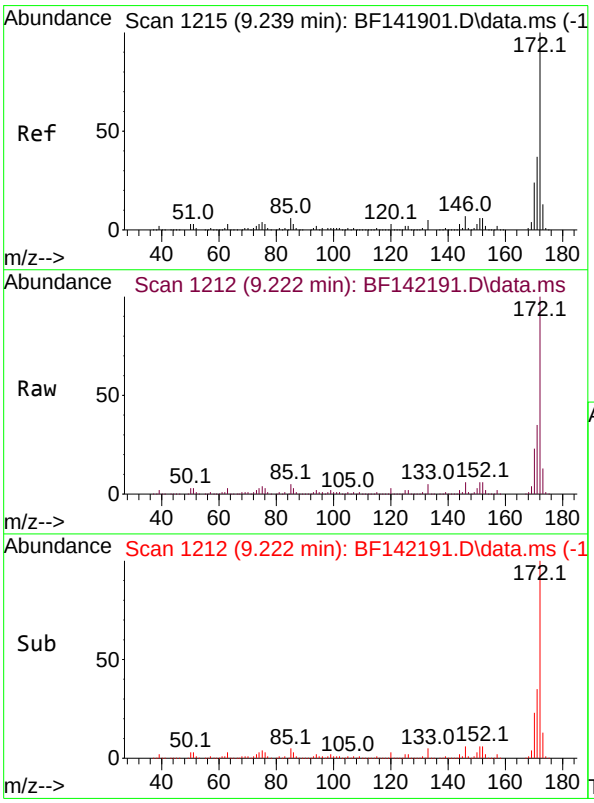

#42
2,4,6-Tribromophenol
Concen: 82.141 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:330 Resp: 213972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 77.6 | 116.4 |
| 141 | 29.2 | 24.7 | 37.1 |

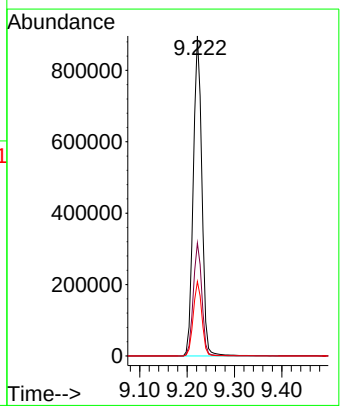


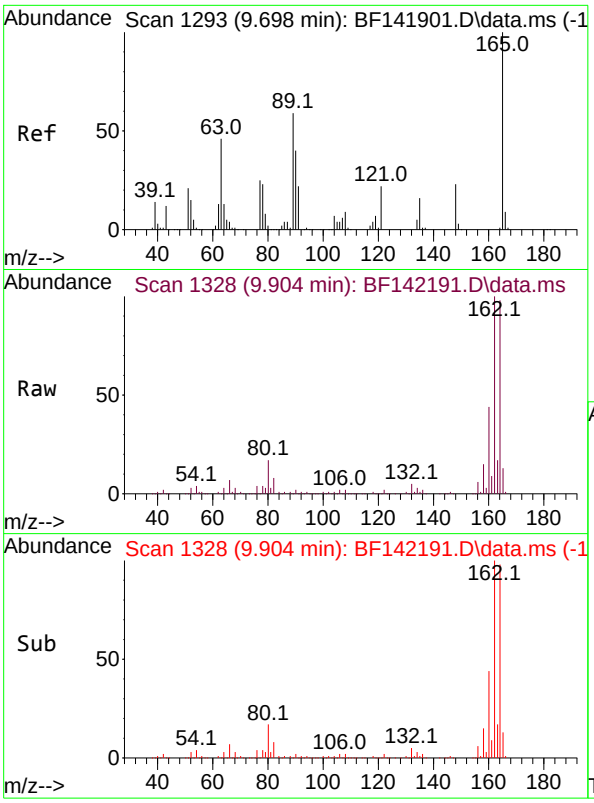




#45
2-Fluorobiphenyl
Concen: 84.331 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:172 Resp: 1138602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.3 | 43.9 |
| 170 | 23.3 | 19.4 | 29.0 |



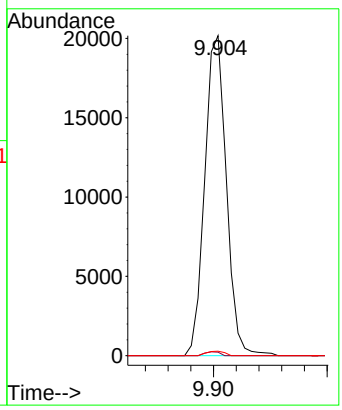


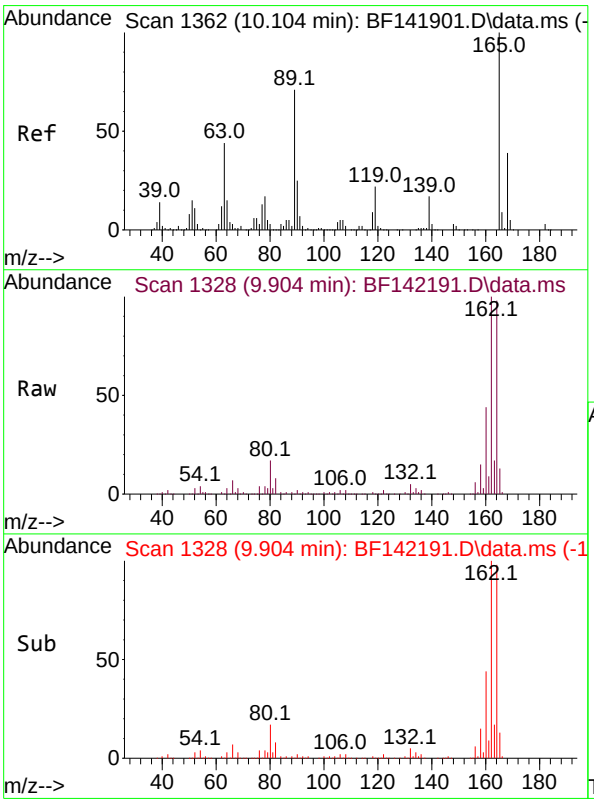

#51
2,6-Dinitrotoluene
Concen: 8.912 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.206 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:165 Resp: 26681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 47.0 | 70.4# |
| 89 | 1.4 | 47.4 | 71.2# |

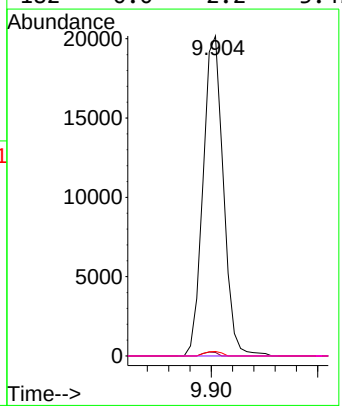


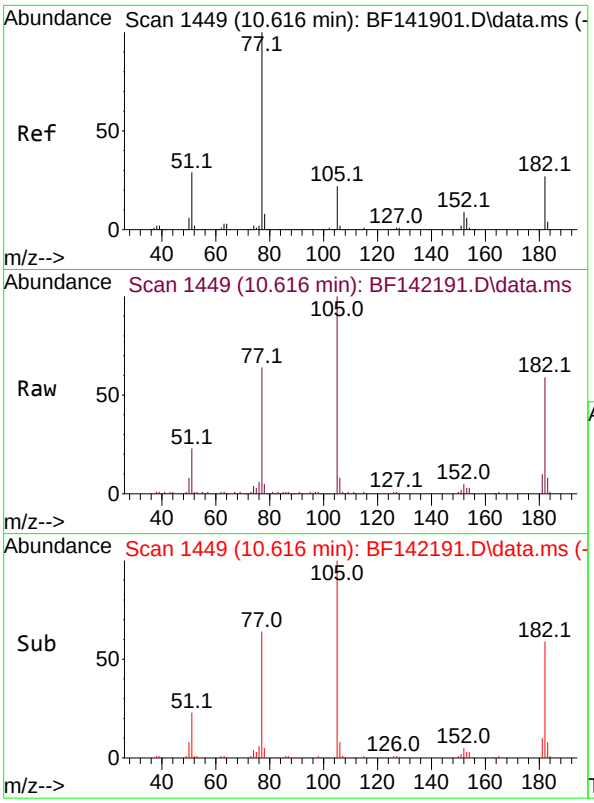




#57
2,4-Dinitrotoluene
Concen: 6.823 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:165 Resp: 26681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 35.4 | 53.2# |
| 89 | 1.4 | 56.6 | 84.8# |
| 182 | 0.0 | 2.2 | 3.4# |



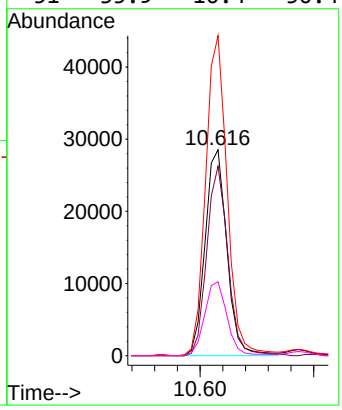


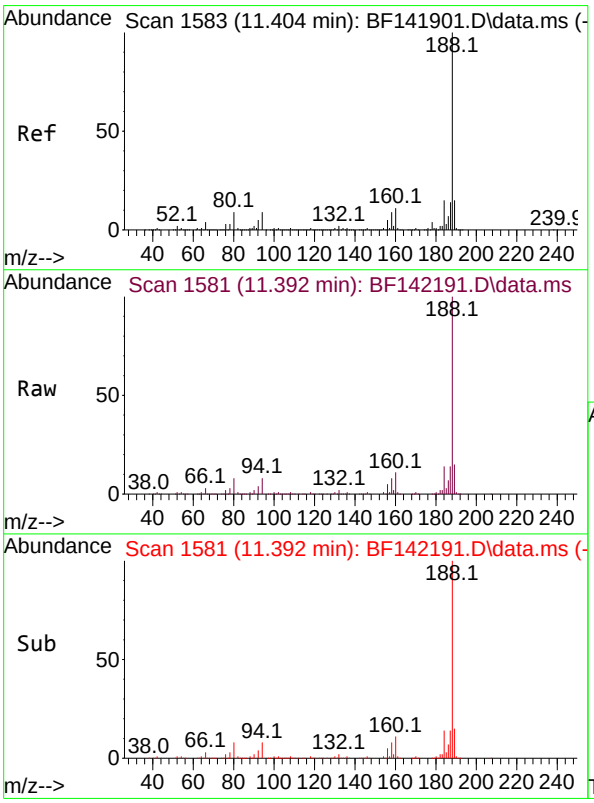

#63
Azobenzene
Concen: 2.859 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion: 77 Resp: 38108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 92.0 | 6.6 | 46.6# |
| 105 | 155.3 | 1.3 | 41.3# |
| 51 | 35.9 | 10.4 | 50.4 |

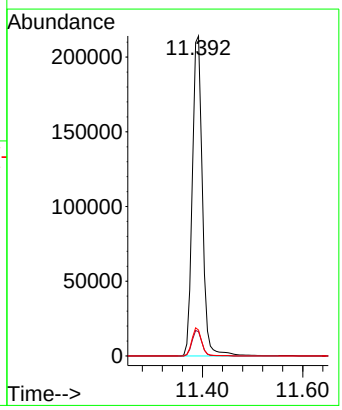


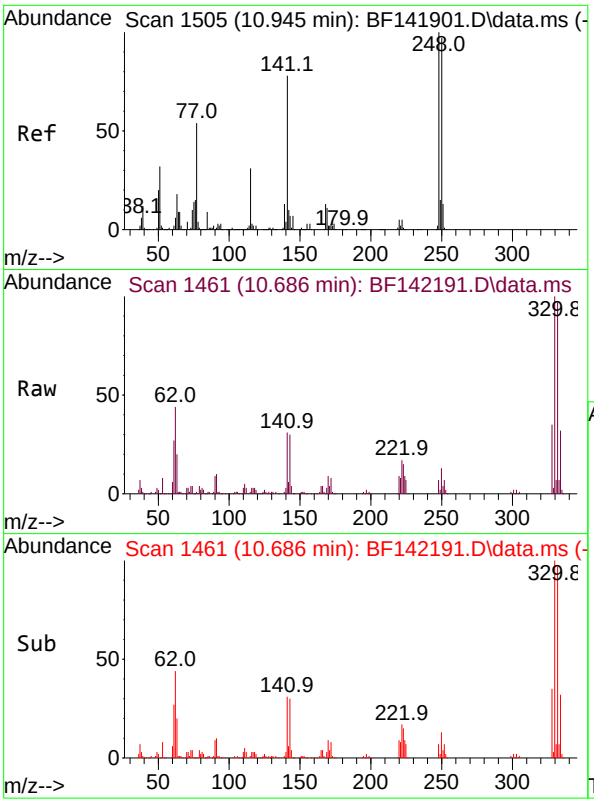




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:188 Resp: 297588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.8 | 10.2 |
| 80 | 8.1 | 7.6 | 11.4 |



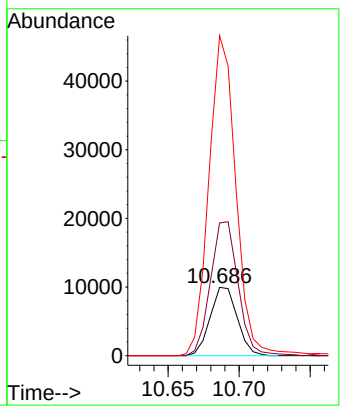


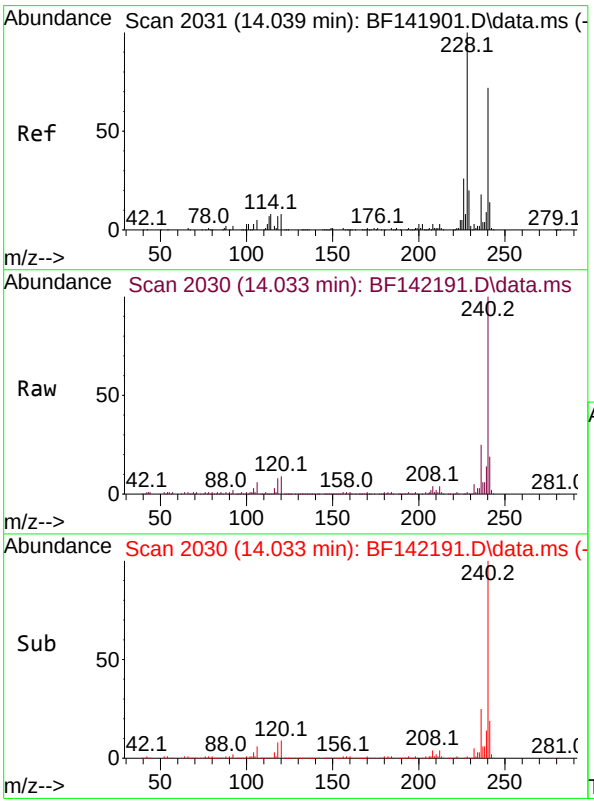

#67
4-Bromophenyl-phenylether
Concen: 3.532 ng
RT: 10.686 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:248 Resp: 13199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 194.6 | 77.8 | 116.8# |
| 141 | 468.7 | 62.6 | 93.8# |

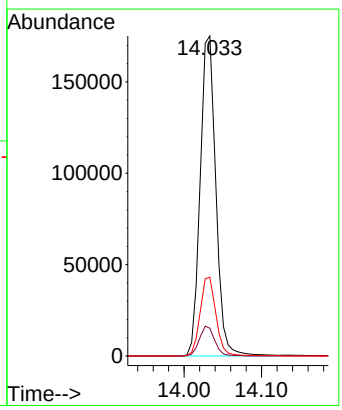


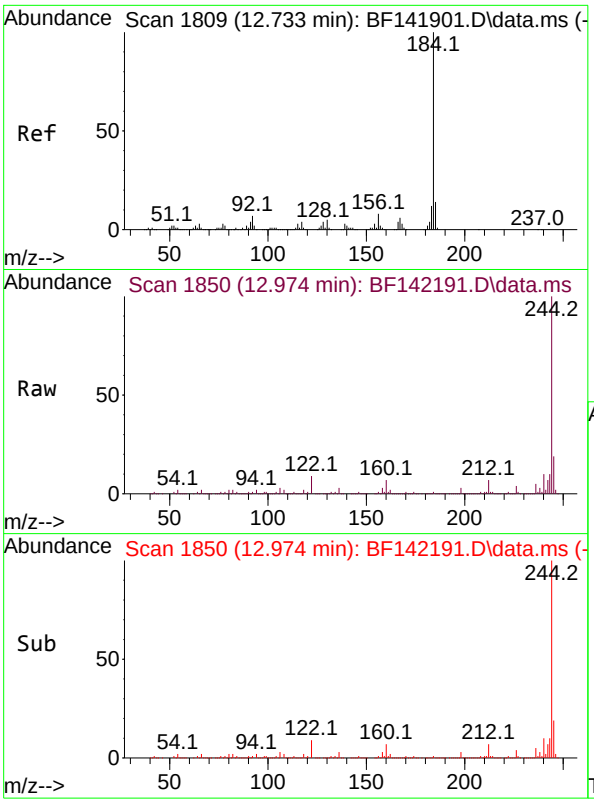




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:240 Resp: 246157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.6 | 8.4 | 12.6 |
| 236 | 24.6 | 20.5 | 30.7 |



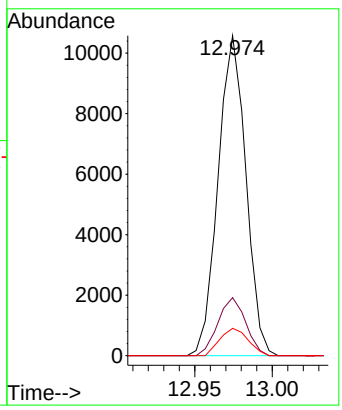


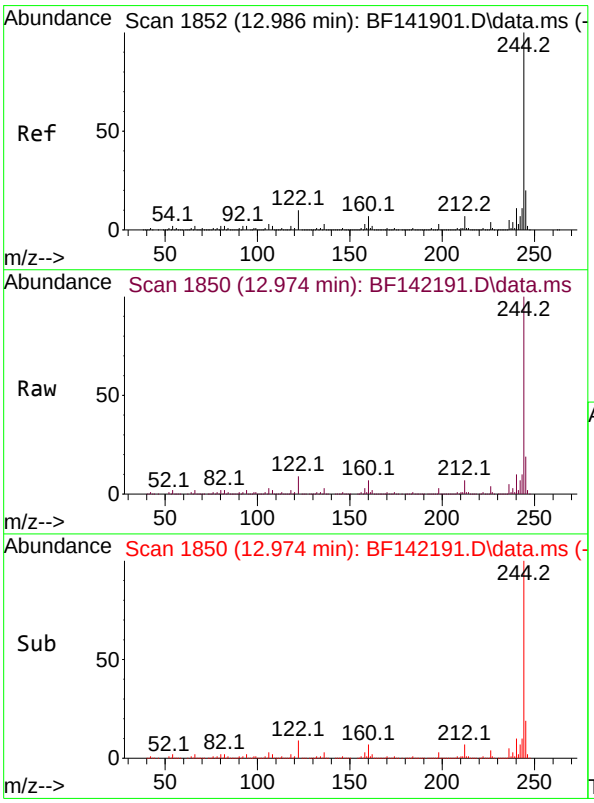

#77
Benzidine
Concen: 3.841 ng
RT: 12.974 min Scan# 1
Delta R.T. 0.241 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:184 Resp: 13193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.1 | 11.5 | 17.3# |
| 183 | 8.6 | 9.7 | 14.5# |

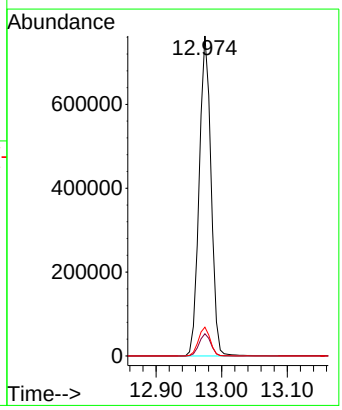


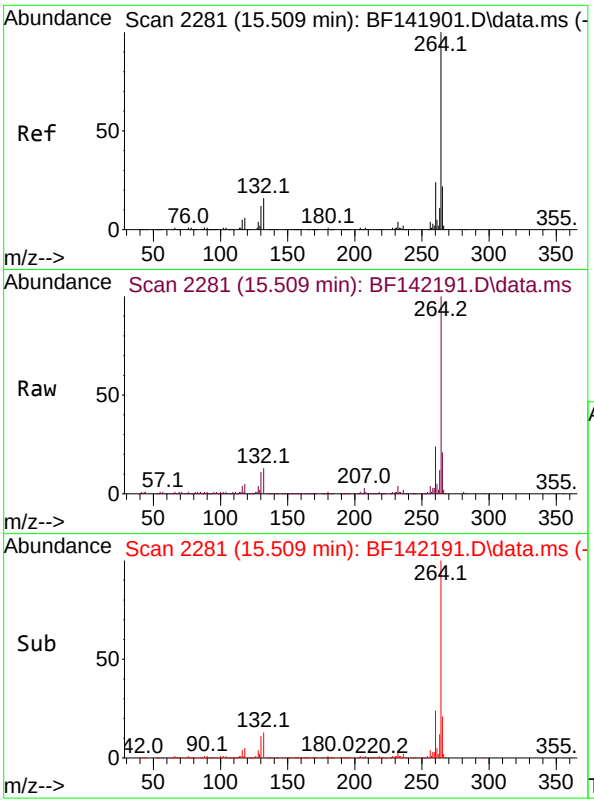




#79
Terphenyl-d14
Concen: 57.775 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:244 Resp: 961933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.0 | 9.0 |
| 122 | 9.0 | 7.7 | 11.5 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

**Instrument :**
BNA_F
**ClientSampleId :**
P001-BBDGA-001-02

Tgt Ion:264 Resp: 308484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.1 | 28.7 |
| 265 | 21.5 | 17.5 | 26.3 |