Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
Data File : BF142040.D
Acq On : 21 Mar 2025 20:18
Operator : RC/JU
Sample : Q1597-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Quant Time: Mar 21 23:01:44 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

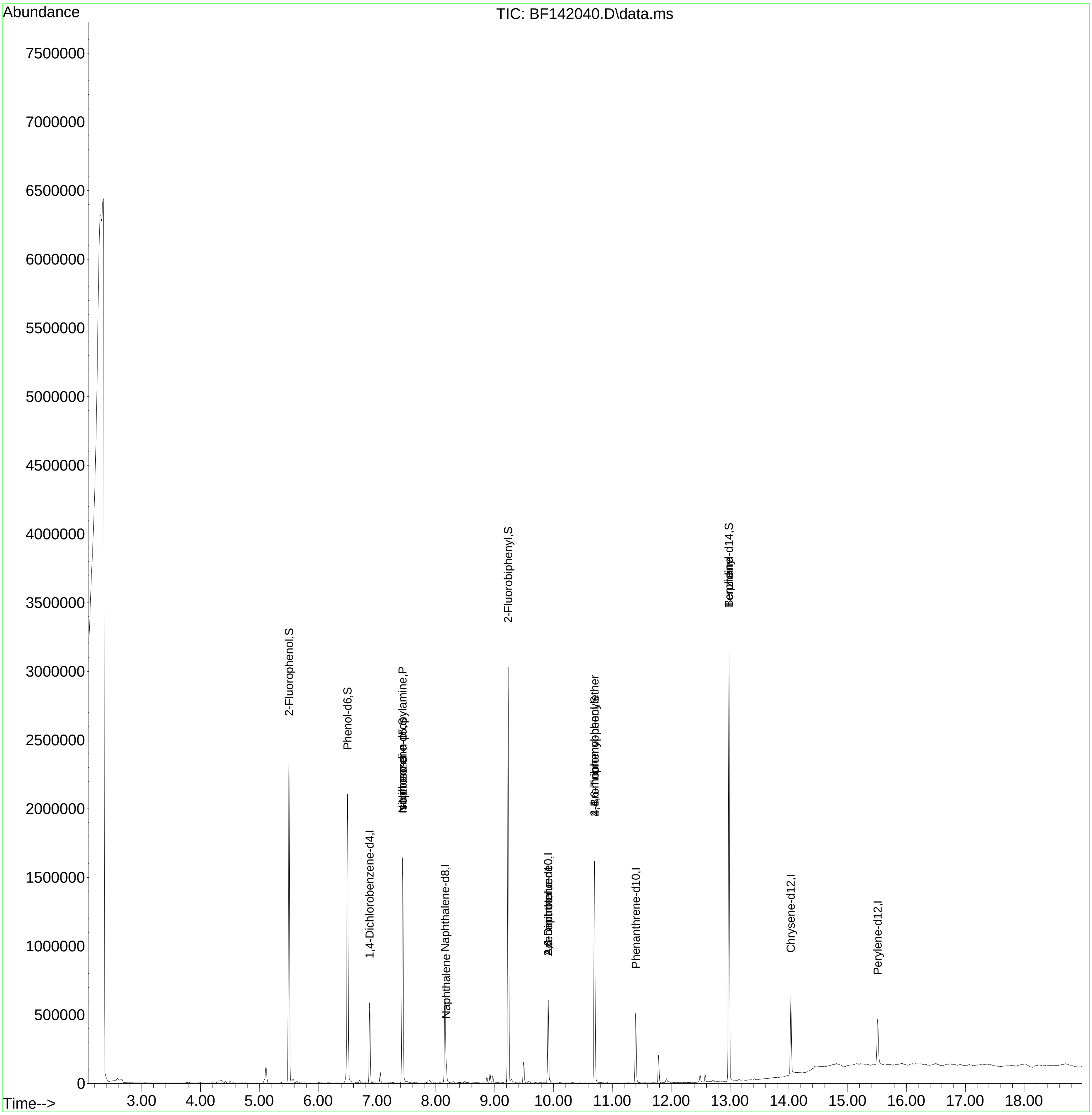
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 121819 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 416041 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 178454 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 272171 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 283303 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 214239 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 933399 | 127.879 | ng | | 0.01 |
| 7) Phenol-d6 | 6.498 | 99 | 1008871 | 108.558 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 758720 | 102.629 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 304462 | 134.484 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 1326953 | 113.085 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.980 | 244 | 1579493 | 82.428 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.434 | 70 | 106508 | 17.836 | ng | # | 77 |
| 25) Isophorone | 7.434 | 82 | 748163 | 57.251 | ng | # | 64 |
| 31) Naphthalene | 8.175 | 128 | 65746 | 3.076 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.910 | 165 | 23468 | 9.019 | ng | # | 23 |
| 57) 2,4-Dinitrotoluene | 9.910 | 165 | 23468 | 6.906 | ng | # | 25 |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248 | 18715 | 5.475 | ng | # | 1 |
| 77) Benzidine | 12.980 | 184 | 20570 | 5.204 | ng | # | 89 |

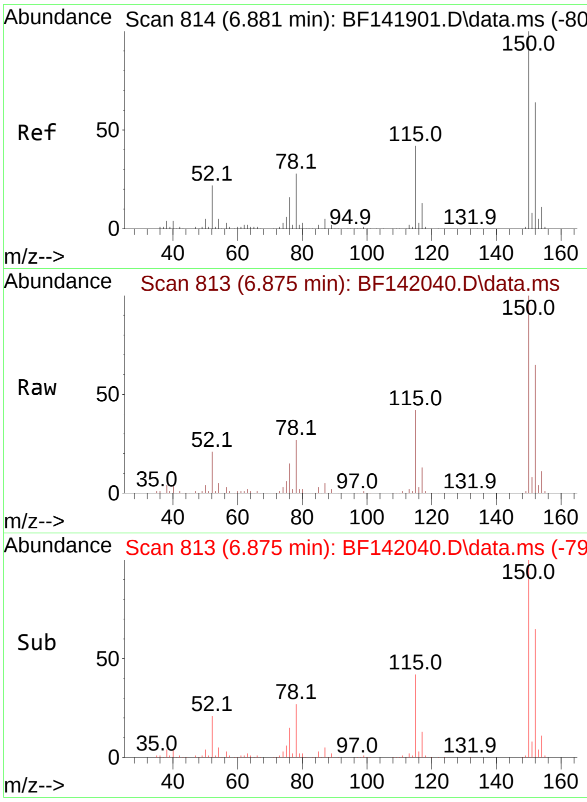
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
Data File : BF142040.D
Acq On    : 21 Mar 2025  20:18
Operator  : RC/JU
Sample    : Q1597-04
Misc      :
ALS Vial  : 19   Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Quant Time: Mar 21 23:01:44 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



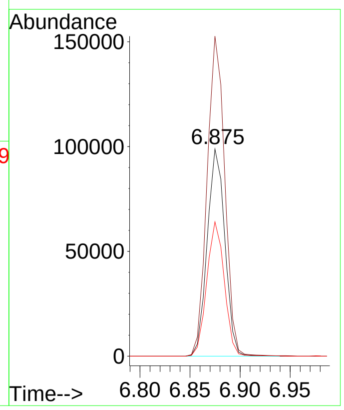


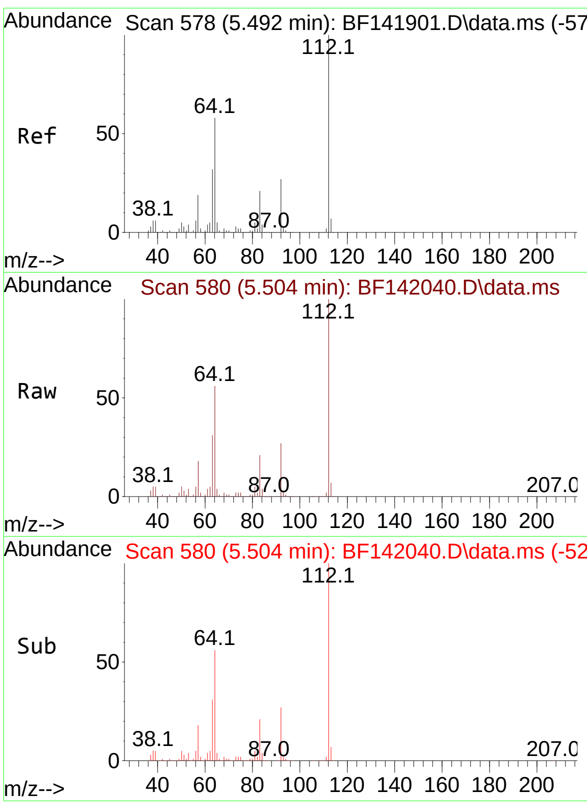

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:152 Resp: 121819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.5 | 127.4 | 191.2 |
| 115 | 64.9 | 51.9 | 77.9 |

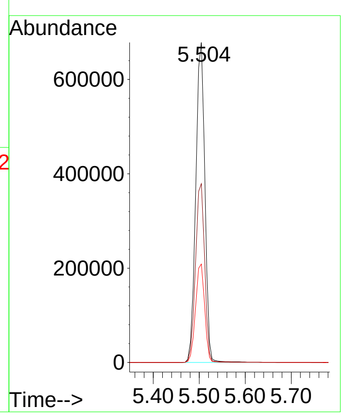


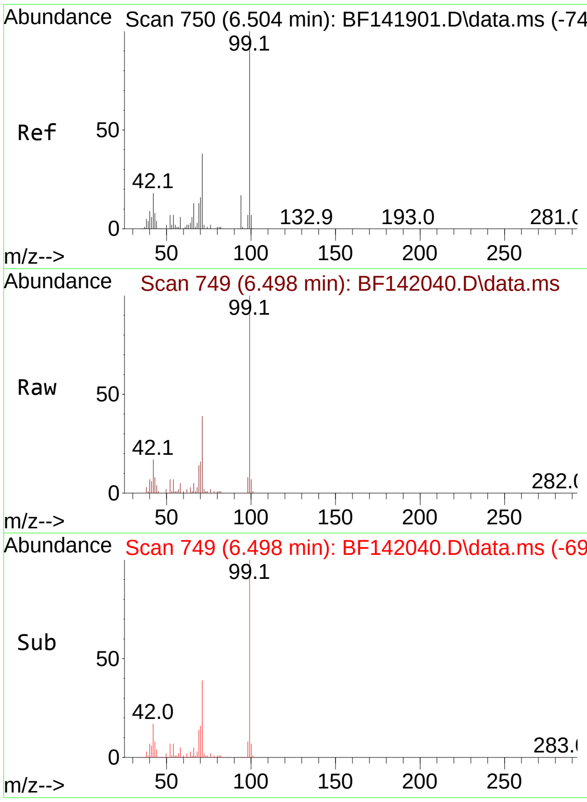




#5
2-Fluorophenol
Concen: 127.879 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

Tgt Ion:112 Resp: 933399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.9 | 46.5 | 69.7 |
| 63 | 30.7 | 25.4 | 38.2 |



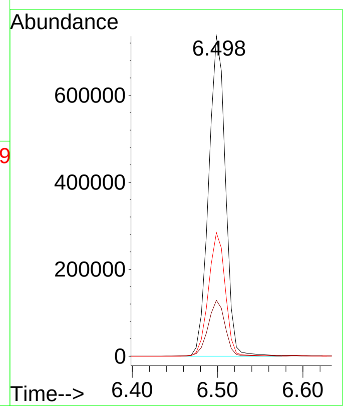


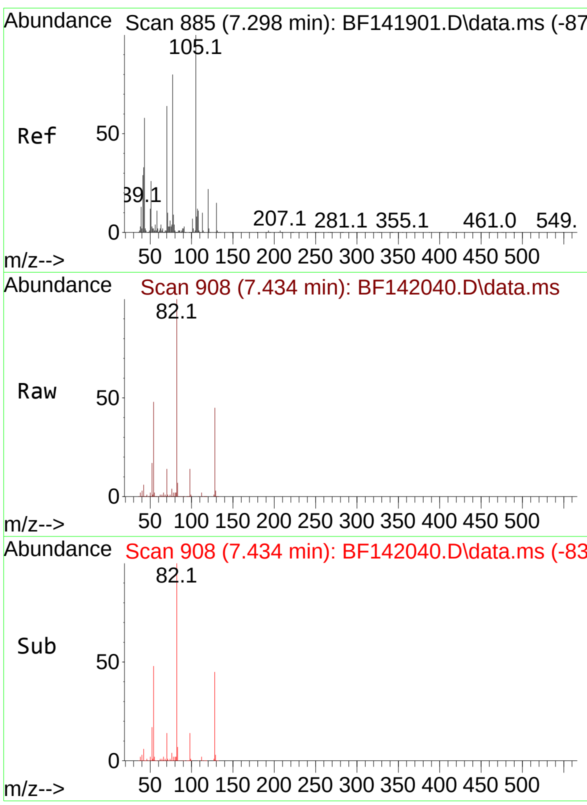
#7
Phenol-d6
Concen: 108.558 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion: 99 Resp: 1008871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.5 | 14.6 | 21.8 |
| 71 | 38.6 | 30.8 | 46.2 |

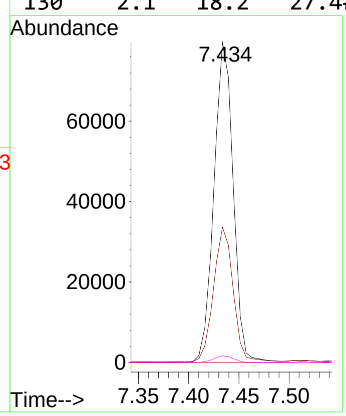


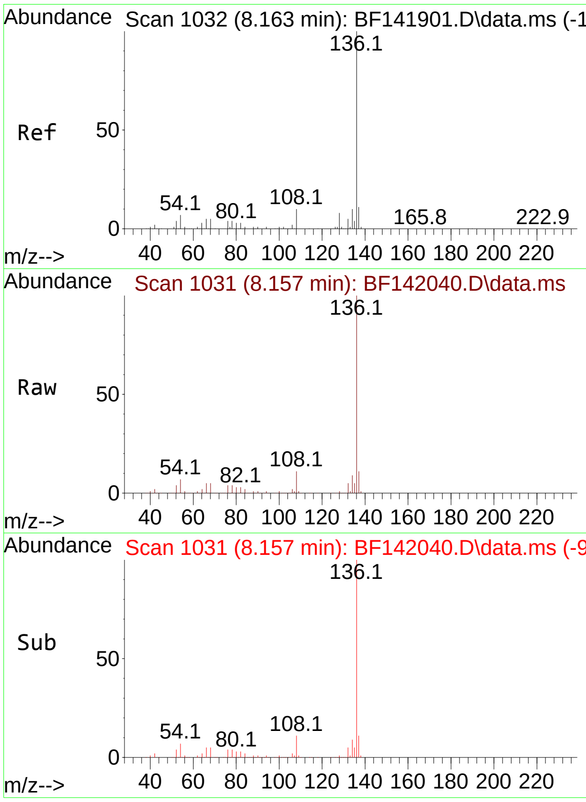


#19
n-Nitroso-di-n-propylamine
Concen: 17.836 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

Tgt Ion: 70 Resp: 106508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.2 | 41.4 | 62.0 |
| 101 | 0.0 | 8.2 | 12.2# |
| 130 | 2.1 | 18.2 | 27.4# |



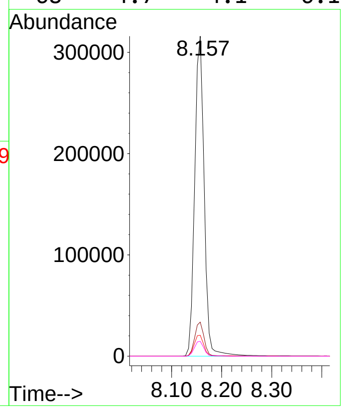


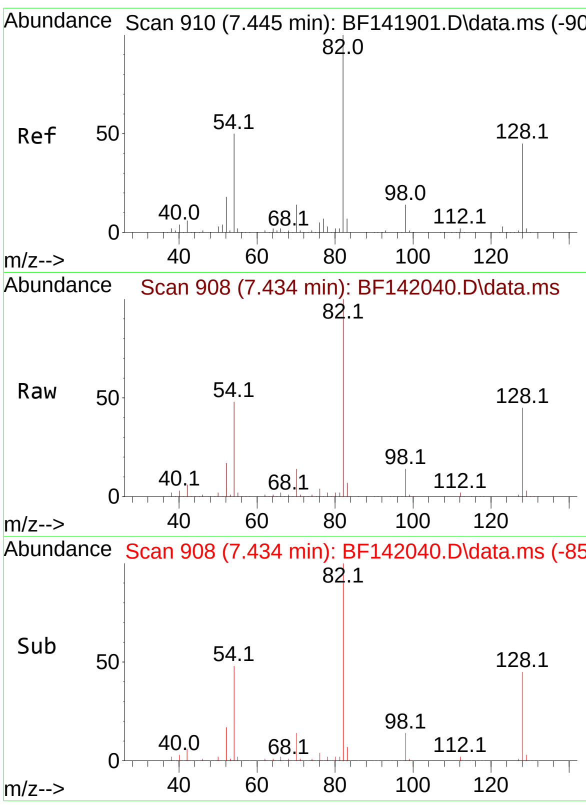

#21
Naphthalene-d8
Concen:   20.000 ng
RT:   8.157 min   Scan# 10
Delta R.T.   -0.006 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:136 Resp:   416041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 6.5 | 5.8 | 8.8 |
| 68 | 4.7 | 4.1 | 6.1 |

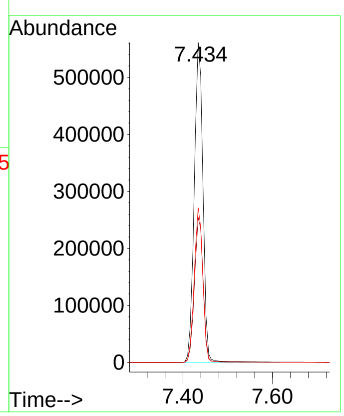


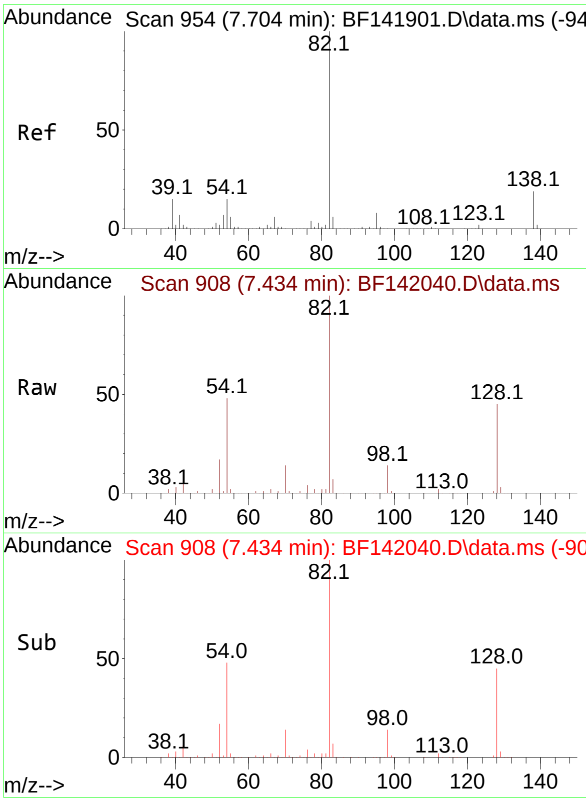




#23
Nitrobenzene-d5
Concen:   102.629 ng
RT:   7.434 min   Scan# 908
Delta R.T.   -0.012 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

Tgt Ion: 82 Resp:   758720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 36.0 | 54.0 |
| 54 | 48.4 | 39.6 | 59.4 |



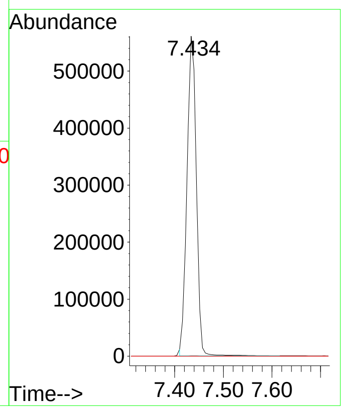


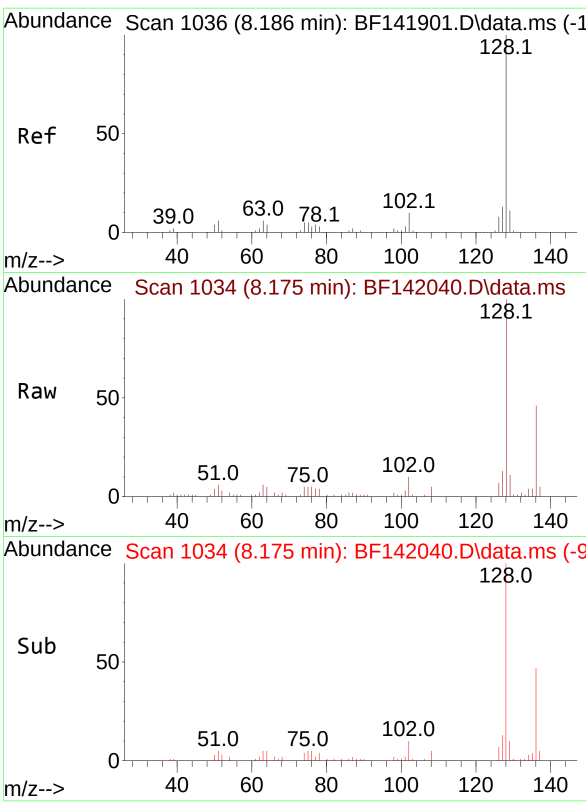

#25
Isophorone
Concen:   57.251 ng
RT:   7.434 min   Scan# 9
Delta R.T.   -0.270 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion: 82 Resp:   748163

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

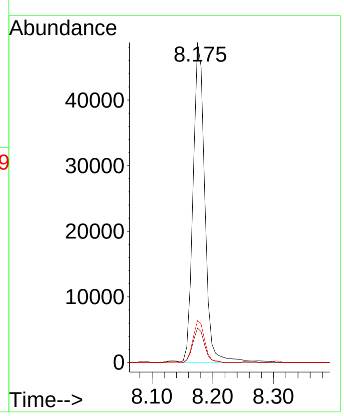


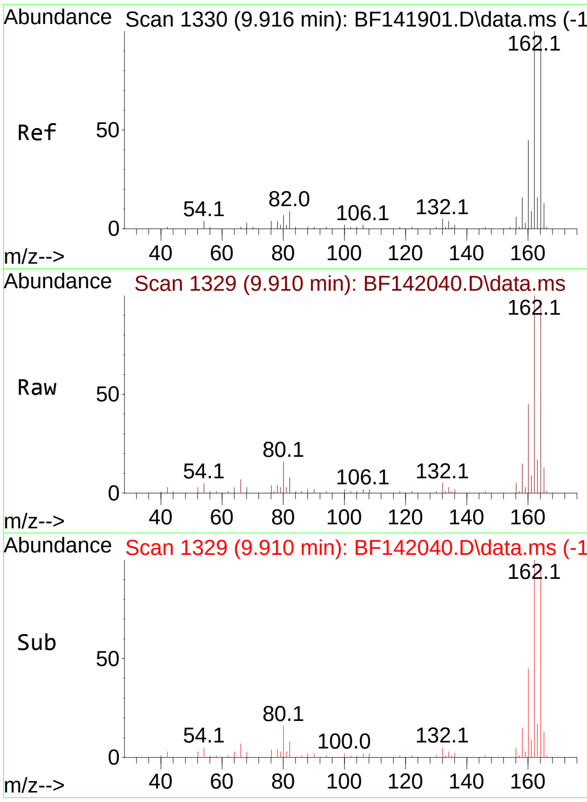




#31
Naphthalene
Concen:   3.076 ng
RT:   8.175 min   Scan# 1034
Delta R.T.   -0.012 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

Tgt Ion:128 Resp:   65746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 9.0 | 13.6 |
| 127 | 13.1 | 10.8 | 16.2 |



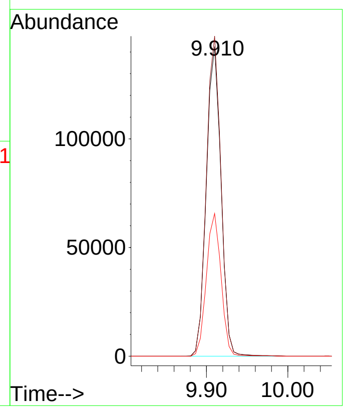


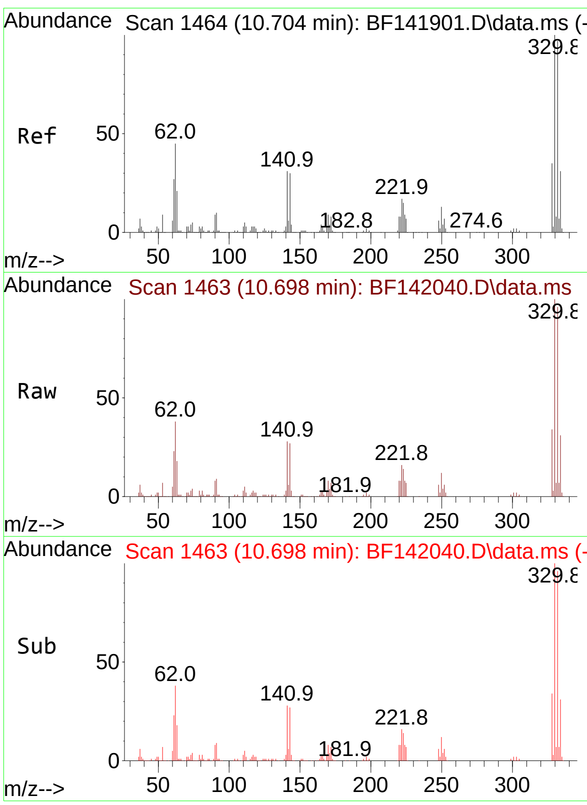

#39
Acenaphthene-d10
Concen:   20.000 ng
RT:   9.910 min   Scan# 1
Delta R.T.   -0.006 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:164 Resp:   178454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 81.8 | 122.6 |
| 160 | 46.1 | 36.7 | 55.1 |

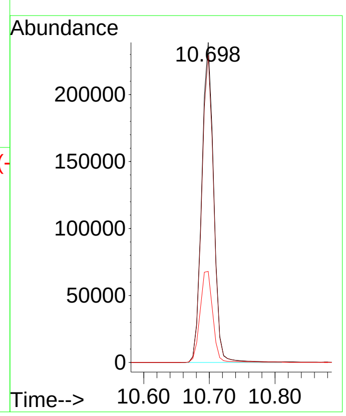


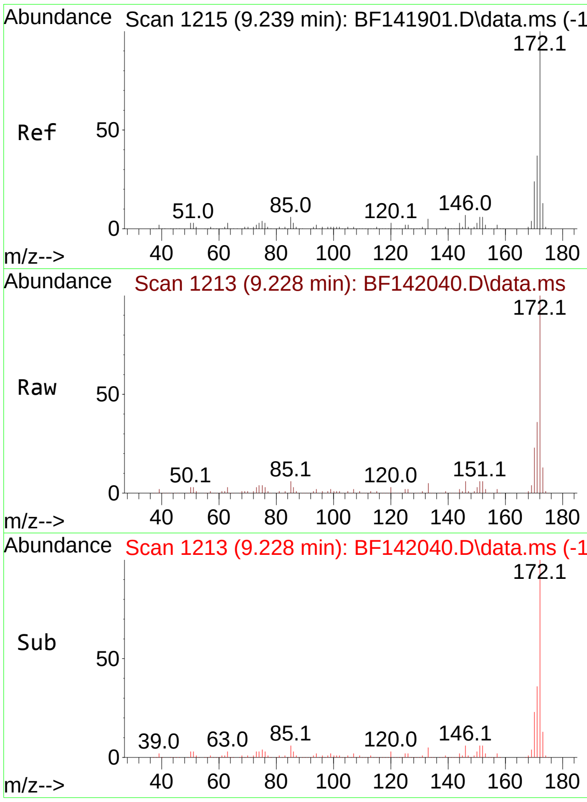




#42
2,4,6-Tribromophenol
Concen:   134.484 ng
RT:   10.698 min   Scan# 1463
Delta R.T.   -0.006 min
Lab File:   BF142040.D
Acq: 21 Mar 2025   20:18

Tgt Ion:330 Resp:   304462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.6 | 116.4 |
| 141 | 30.3 | 24.7 | 37.1 |



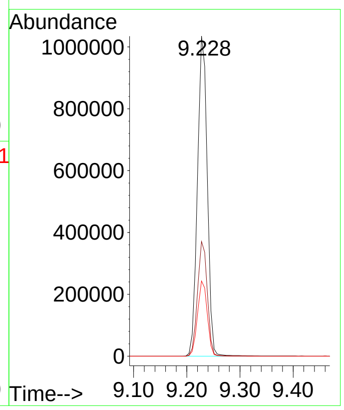


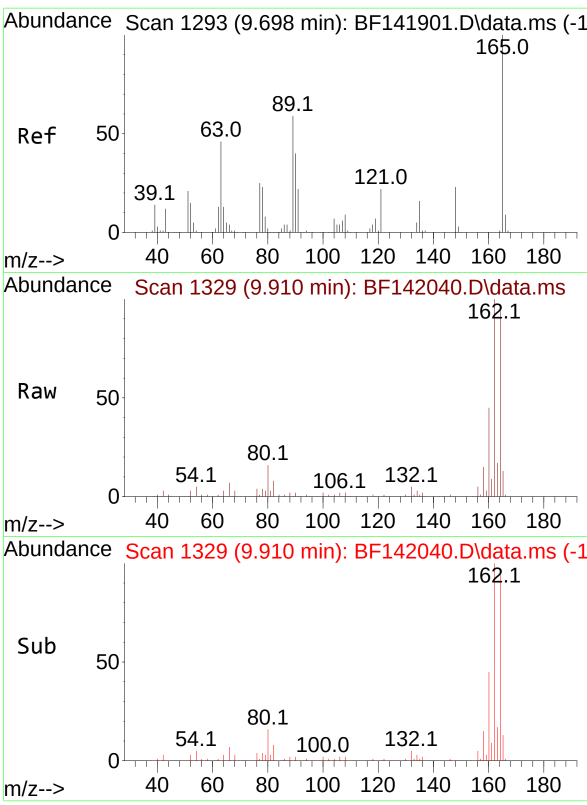

#45
2-Fluorobiphenyl
Concen: 113.085 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:172 Resp: 1326953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.3 | 43.9 |
| 170 | 23.5 | 19.4 | 29.0 |

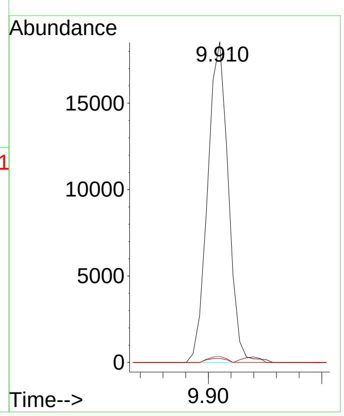


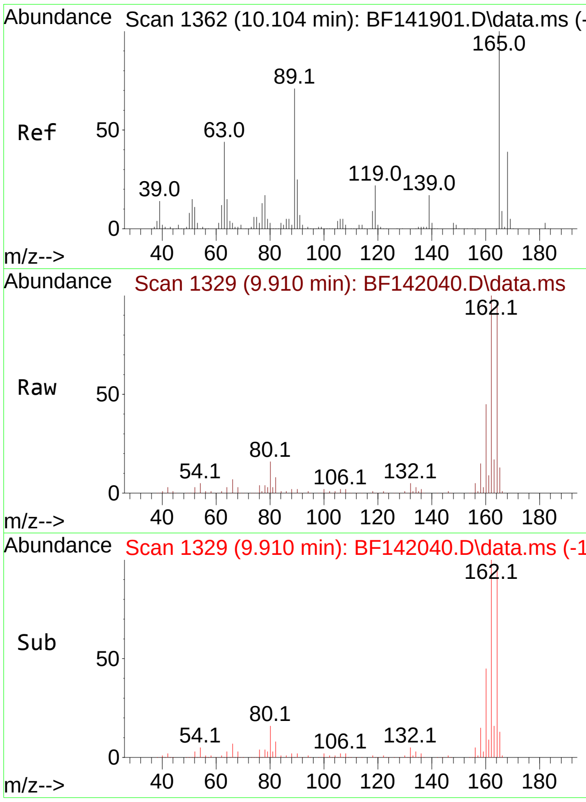




#51
2,6-Dinitrotoluene
Concen: 9.019 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

Tgt Ion:165 Resp: 23468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 47.0 | 70.4# |
| 89 | 1.9 | 47.4 | 71.2# |



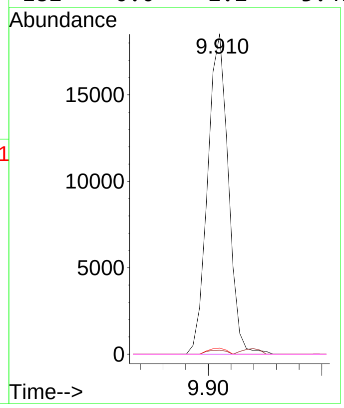


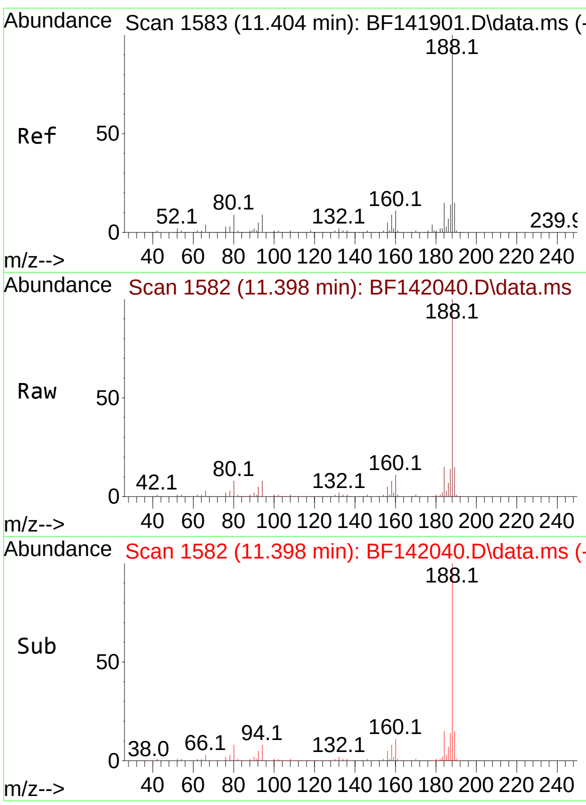

#57
2,4-Dinitrotoluene
Concen:     6.906 ng
RT:    9.910 min   Scan# 1
Delta R.T.   -0.194 min
Lab File:    BF142040.D
Acq: 21 Mar 2025   20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:165 Resp:    23468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.2 | 35.4 | 53.2# |
| 89 | 1.9 | 56.6 | 84.8# |
| 182 | 0.0 | 2.2 | 3.4# |

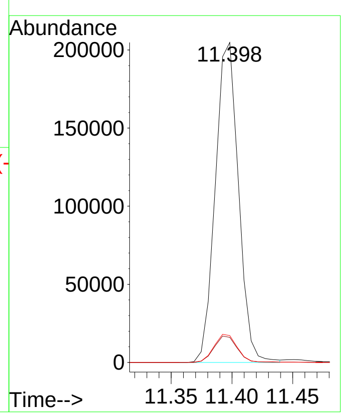


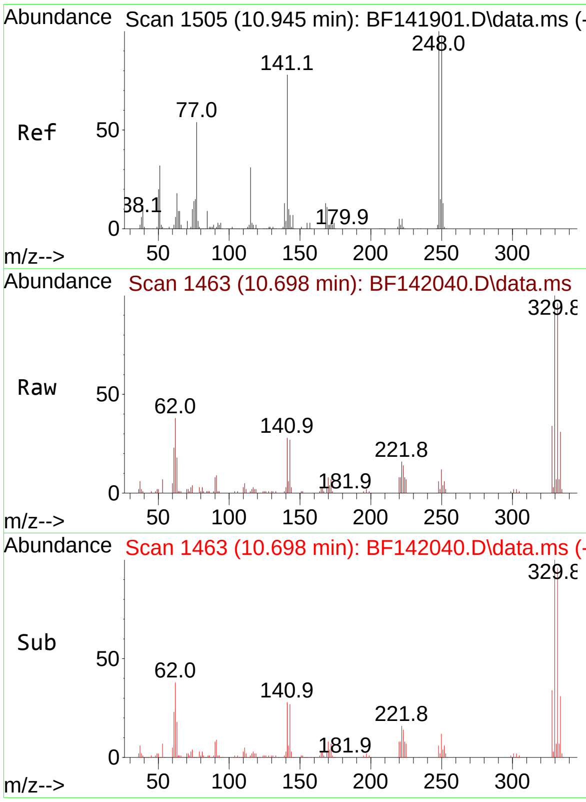




#64
Phenanthrene-d10
Concen:   20.000 ng
RT:   11.398 min   Scan# 1582
Delta R.T.   -0.006 min
Lab File:    BF142040.D
Acq: 21 Mar 2025   20:18

Tgt Ion:188 Resp:   272171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.9 | 6.8 | 10.2 |
| 80 | 8.4 | 7.6 | 11.4 |



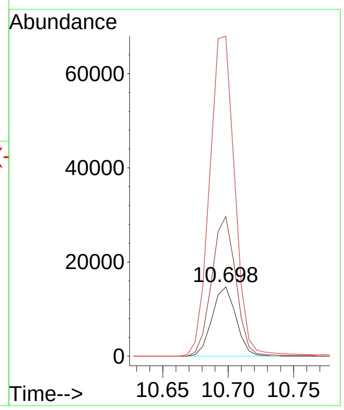


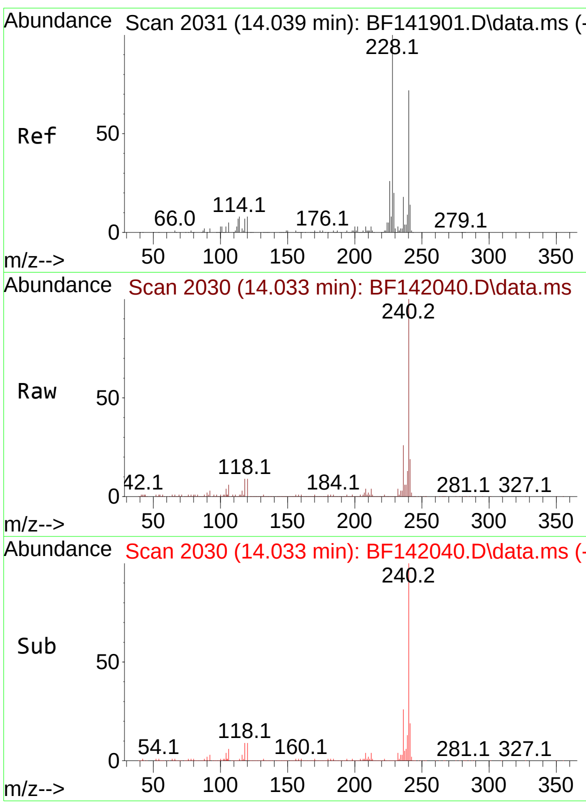

#67
4-Bromophenyl-phenylether
Concen: 5.475 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:248 Resp: 18715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.6 | 77.8 | 116.8# |
| 141 | 462.0 | 62.6 | 93.8# |

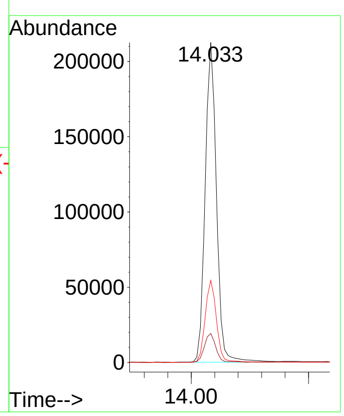


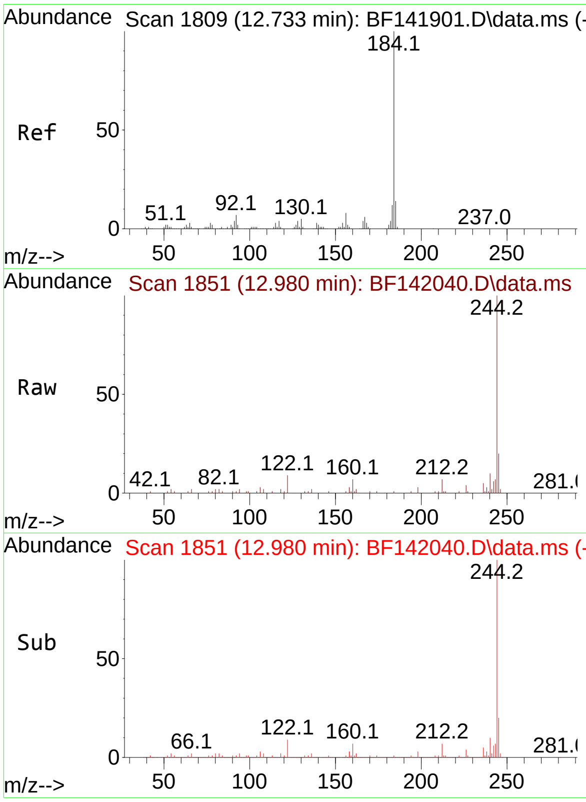




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

Tgt Ion:240 Resp: 283303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 8.4 | 12.6 |
| 236 | 25.6 | 20.5 | 30.7 |



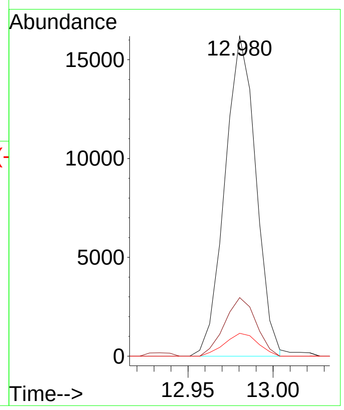


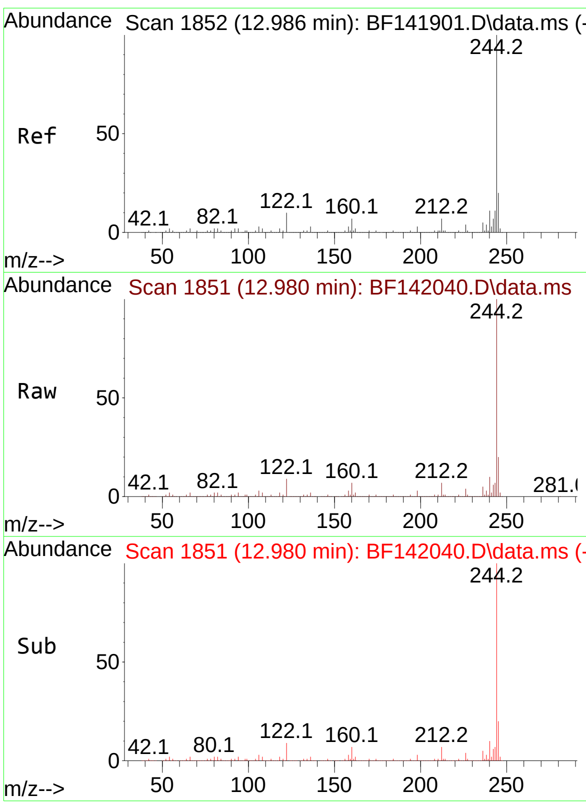

#77
Benzidine
Concen: 5.204 ng
RT: 12.980 min Scan# 1
Delta R.T. 0.247 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:184 Resp: 20570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.3 | 11.5 | 17.3# |
| 183 | 7.1 | 9.7 | 14.5# |

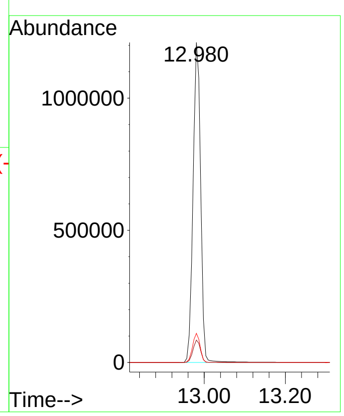


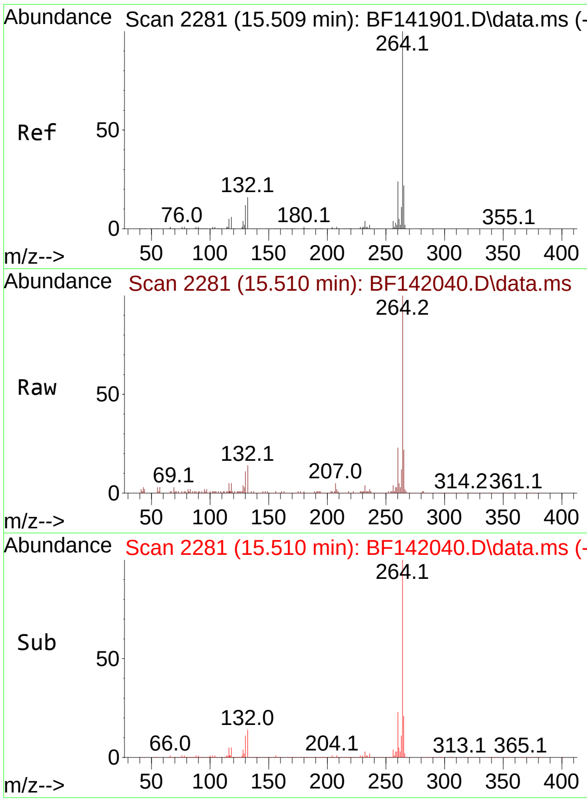




#79
Terphenyl-d14
Concen: 82.428 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

Tgt Ion:244 Resp: 1579493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 9.1 | 7.7 | 11.5 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142040.D
Acq: 21 Mar 2025 20:18

**Instrument :**
BNA_F
**ClientSampleId :**
2-CONCRETE-SLAB

Tgt Ion:264 Resp: 214239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.1 | 28.7 |
| 265 | 21.6 | 17.5 | 26.3 |