Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042222\
Data File : BG053265.D
Acq On : 22 Apr 2022 17:35
Operator : CG/JU
Sample : N2487-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Quant Time: Apr 24 01:15:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.111 | 152 | 23259 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.919 | 136 | 92661 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.731 | 164 | 73620 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.475 | 188 | 192063 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.763 | 240 | 204230 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.053 | 264 | 207707 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.673 | 112 | 208951 | 153.996 | ng | 0.00 |
| 7) Phenol-d6 | 7.271 | 99 | 313353 | 149.757 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.268 | 82 | 222137 | 97.339 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.223 | 330 | 182299 | 155.643 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.357 | 172 | 474022 | 88.784 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.083 | 244 | 984171 | 81.387 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 9.274 | 70 | 30314 | 19.789 | ng | # 76 |
| 51) 2,6-Dinitrotoluene | 14.737 | 165 | 9913 | 8.070 | ng | # 24 |
| 57) 2,4-Dinitrotoluene | 14.737 | 165 | 9913 | 5.668 | ng | # 22 |
| 67) 4-Bromophenyl-phenylether | 16.217 | 248 | 12178 | 4.948 | ng | # 1 |
| 77) Benzidine | 20.083 | 184 | 16292 | 2.796 | ng | # 94 |

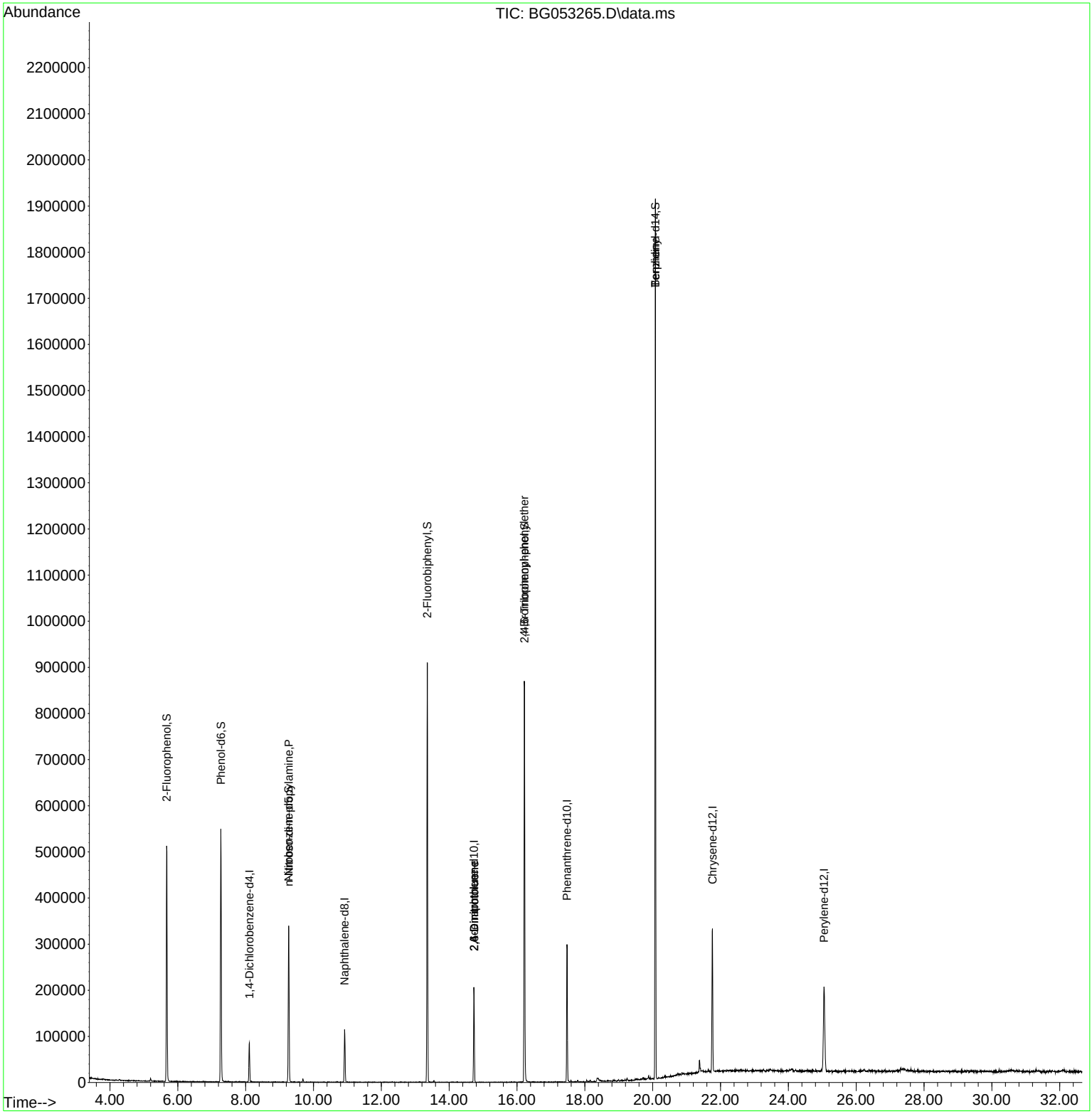
(#) = qualifier out of range (m) = manual integration (+) = signals summed

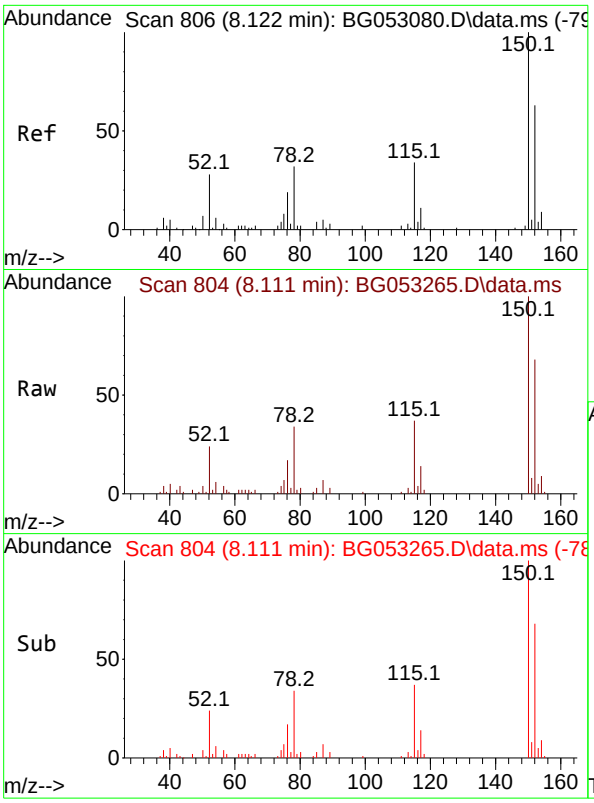
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042222\
Data File : BG053265.D
Acq On : 22 Apr 2022 17:35
Operator : CG/JU
Sample : N2487-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Quant Time: Apr 24 01:15:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration



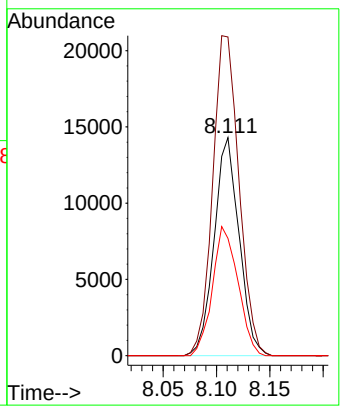


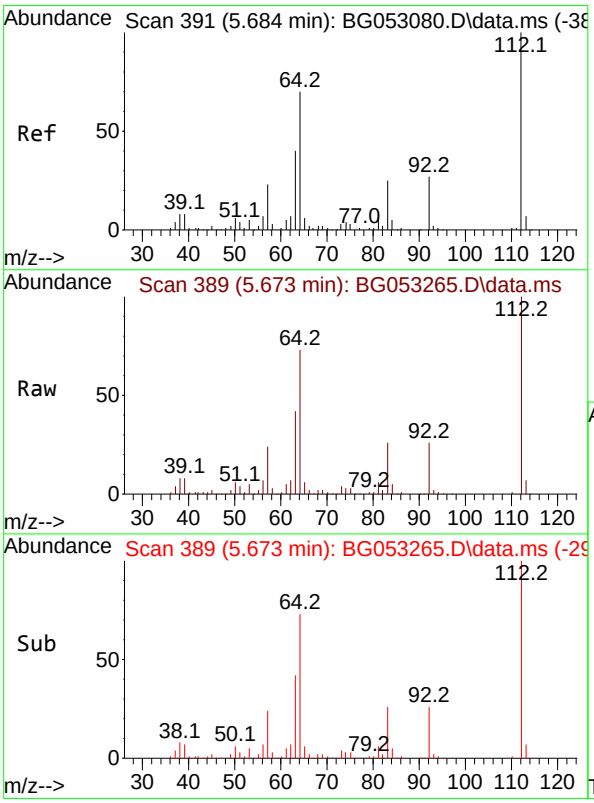

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 8(
Delta R.T. -0.002 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:152 Resp: 23259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 146.1 | 114.6 | 172.0 |
| 115 | 53.8 | 45.9 | 68.9 |

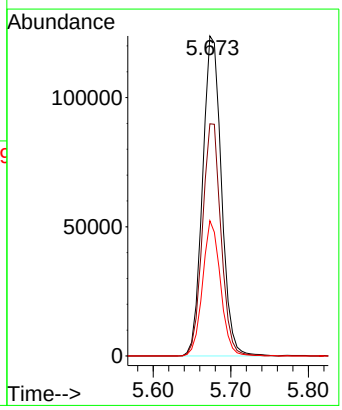


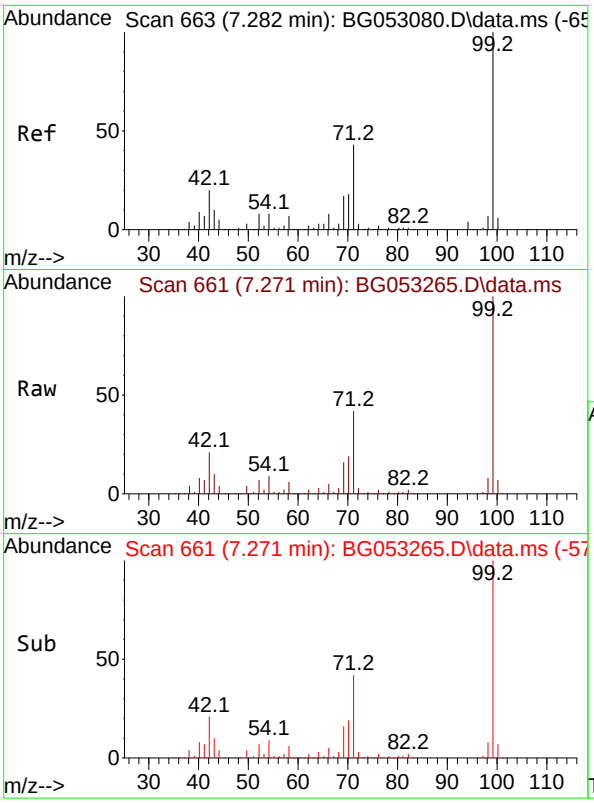




#5
2-Fluorophenol
Concen: 153.996 ng
RT: 5.673 min Scan# 389
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:112 Resp: 208951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.5 | 48.0 | 72.0# |
| 63 | 42.3 | 26.5 | 39.7# |



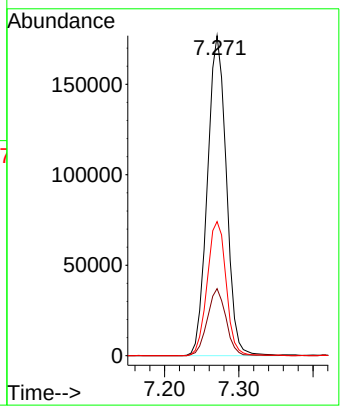


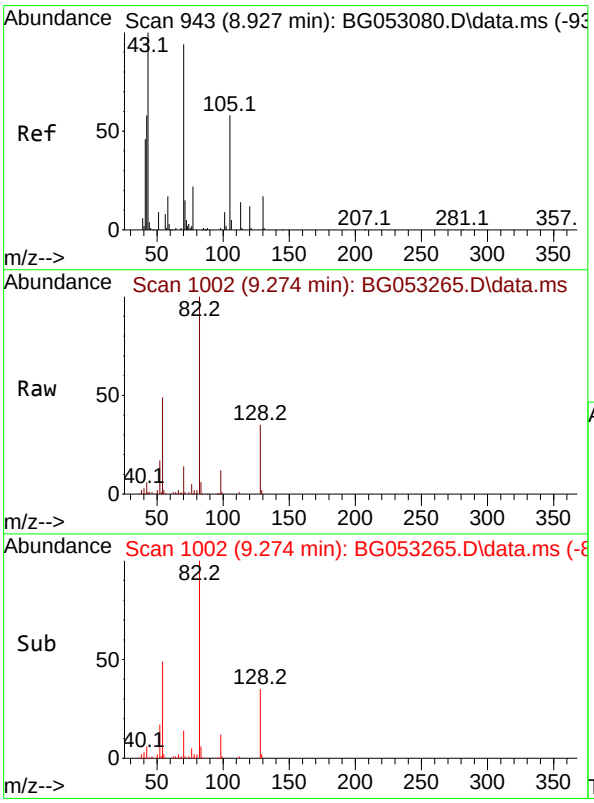

#7
Phenol-d6
Concen: 149.757 ng
RT: 7.271 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion: 99 Resp: 313353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 14.7 | 22.1 |
| 71 | 41.9 | 29.2 | 43.8 |

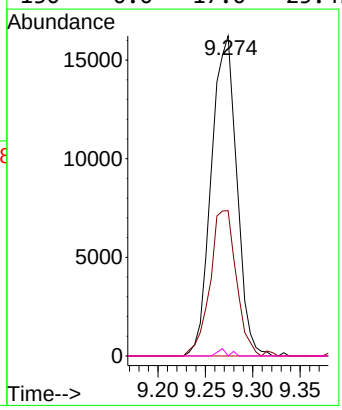


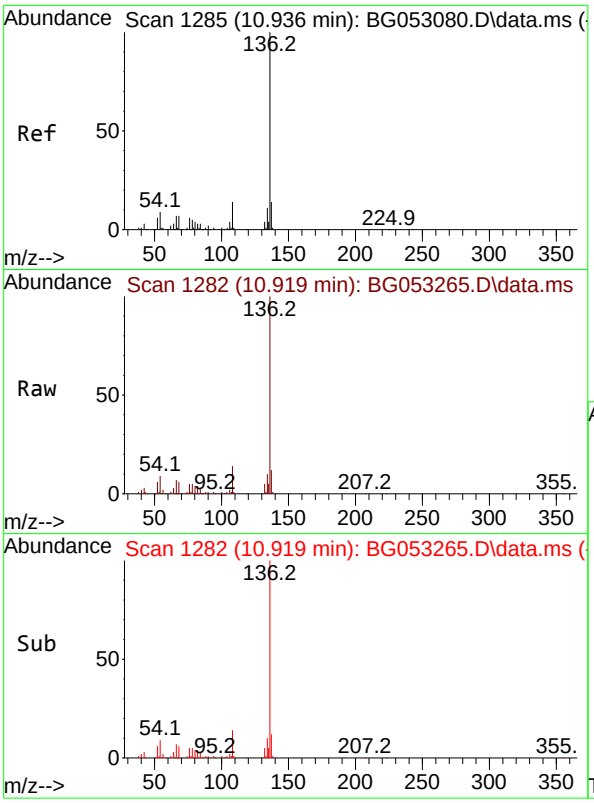




#19
n-Nitroso-di-n-propylamine
Concen: 19.789 ng
RT: 9.274 min Scan# 1002
Delta R.T. 0.361 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion: 70 Resp: 30314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 46.0 | 69.0# |
| 101 | 0.0 | 6.2 | 9.4# |
| 130 | 0.0 | 17.0 | 25.4# |



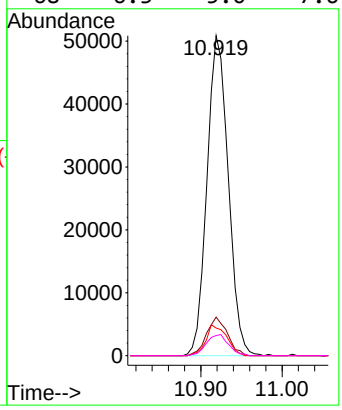


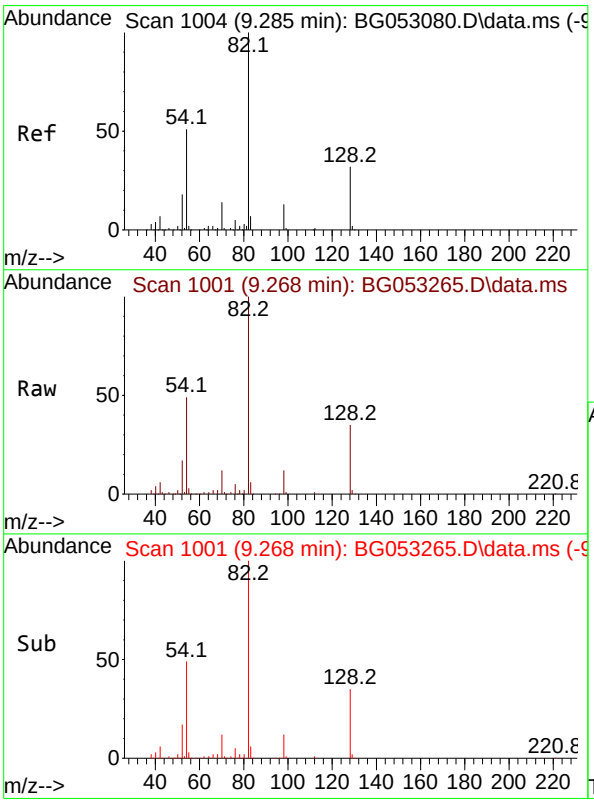

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.919 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:136 Resp: 92661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.0 | 9.4 | 14.2 |
| 54 | 8.7 | 6.4 | 9.6 |
| 68 | 6.3 | 5.0 | 7.6 |

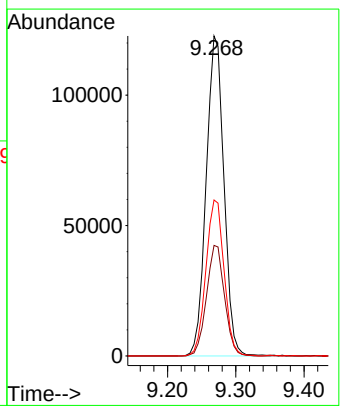


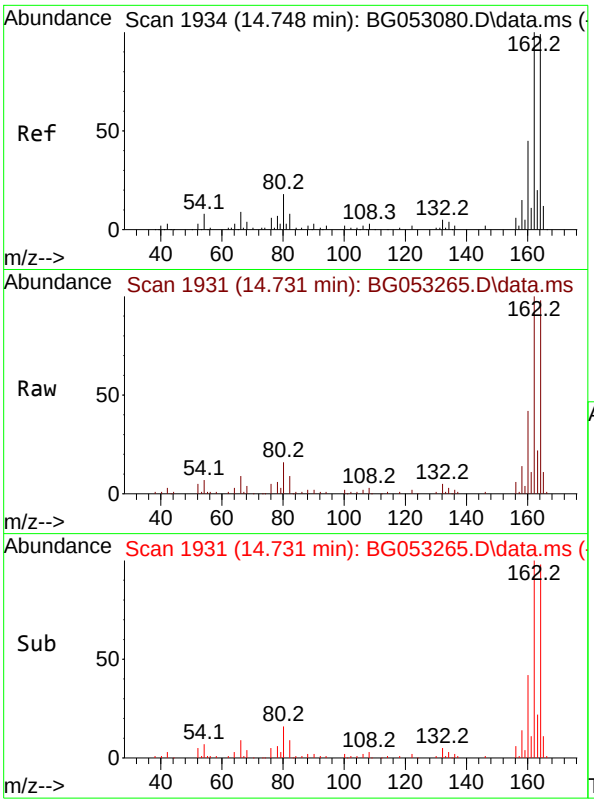




#23
Nitrobenzene-d5
Concen: 97.339 ng
RT: 9.268 min Scan# 1001
Delta R.T. -0.009 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion: 82 Resp: 222137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.6 | 31.3 | 46.9 |
| 54 | 48.7 | 37.8 | 56.8 |



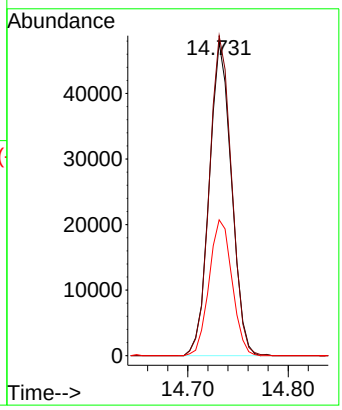


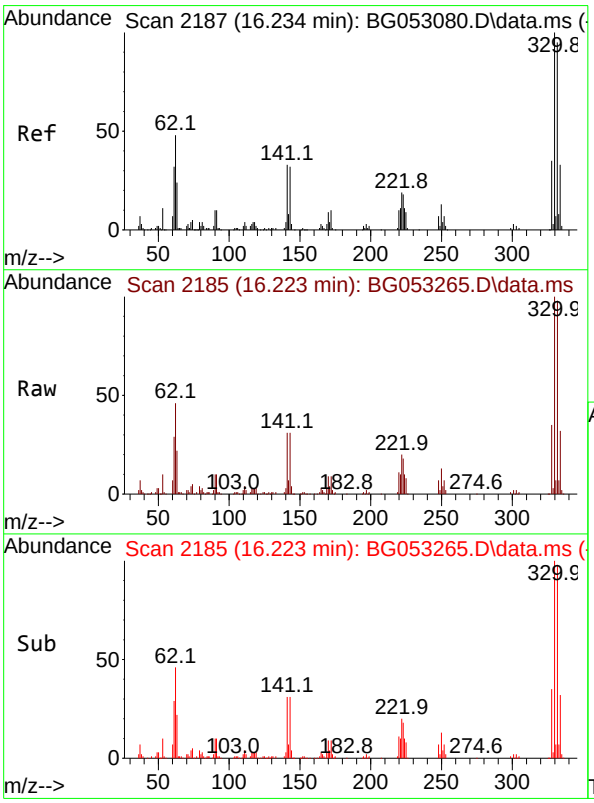

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.731 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:164 Resp: 73620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 80.0 | 120.0 |
| 160 | 43.4 | 38.8 | 58.2 |

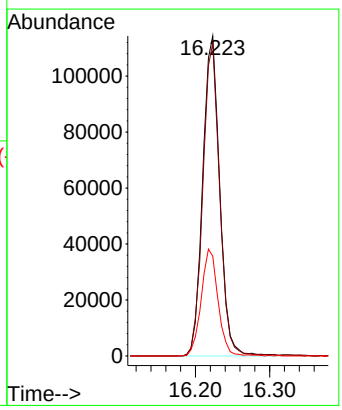


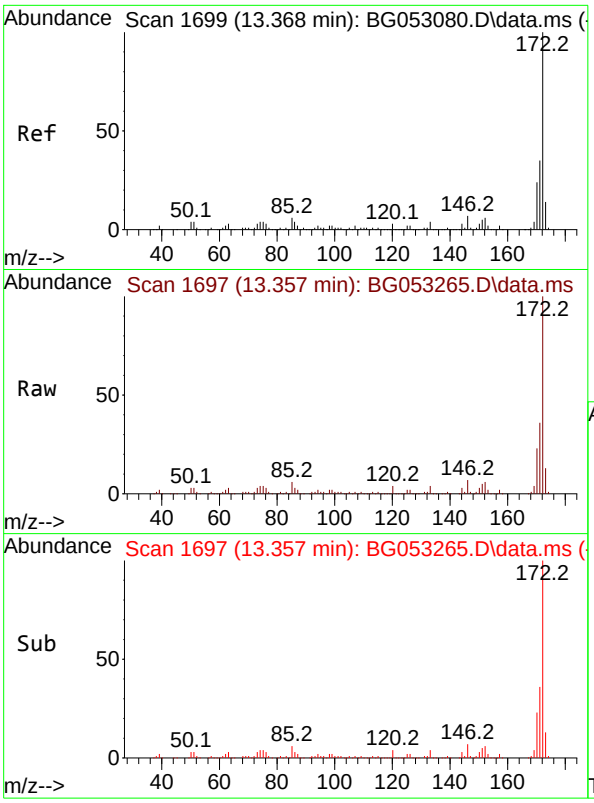




#42
2,4,6-Tribromophenol
Concen: 155.643 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:330 Resp: 182299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 75.8 | 113.6 |
| 141 | 33.1 | 24.6 | 36.8 |



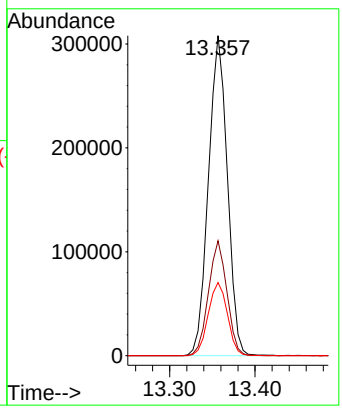


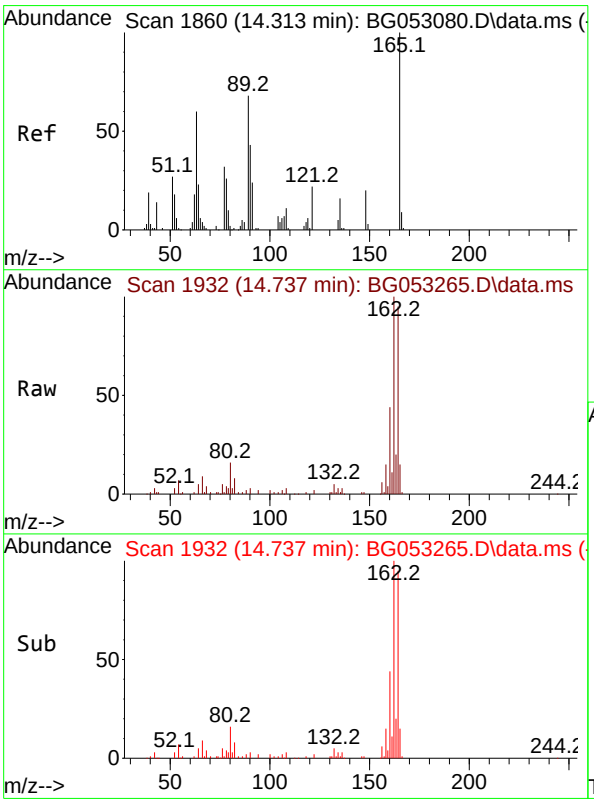

#45
2-Fluorobiphenyl
Concen: 88.784 ng
RT: 13.357 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:172 Resp: 474022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.3 | 42.5 |
| 170 | 22.8 | 18.0 | 27.0 |

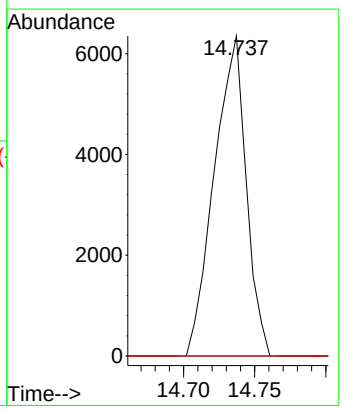


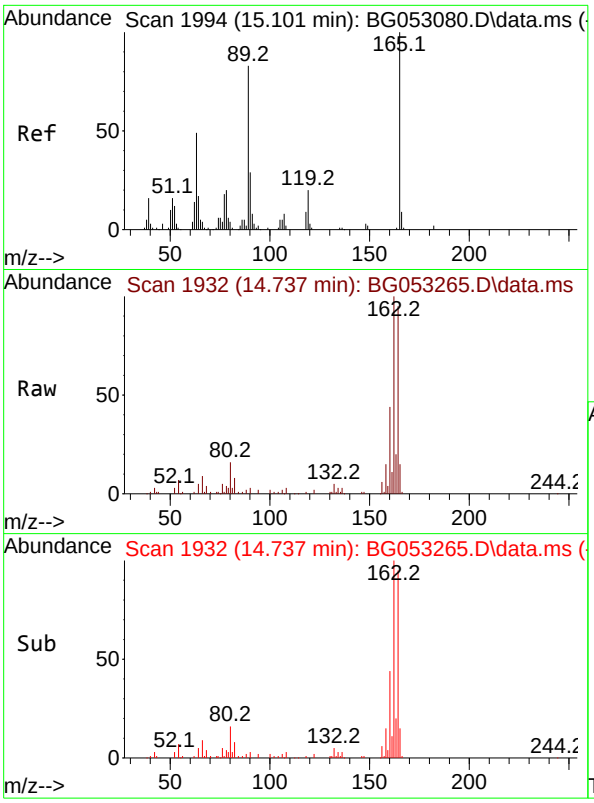




#51
2,6-Dinitrotoluene
Concen: 8.070 ng
RT: 14.737 min Scan# 1932
Delta R.T. 0.432 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:165 Resp: 9913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 43.7 | 65.5# |
| 89 | 0.0 | 45.0 | 67.4# |



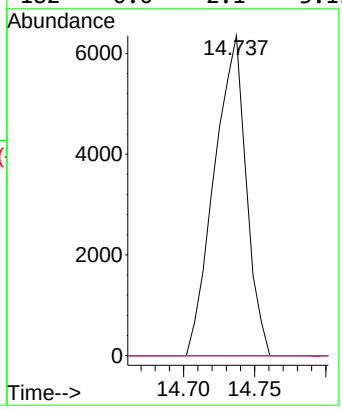


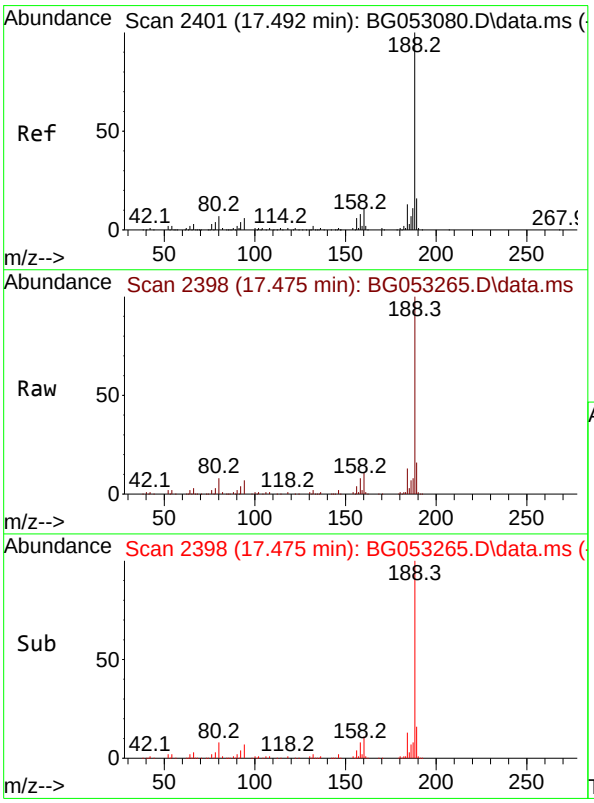

#57
2,4-Dinitrotoluene
Concen: 5.668 ng
RT: 14.737 min Scan# 1
Delta R.T. -0.355 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:165 Resp: 9913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 34.8 | 52.2# |
| 89 | 0.0 | 57.4 | 86.0# |
| 182 | 0.0 | 2.1 | 3.1# |

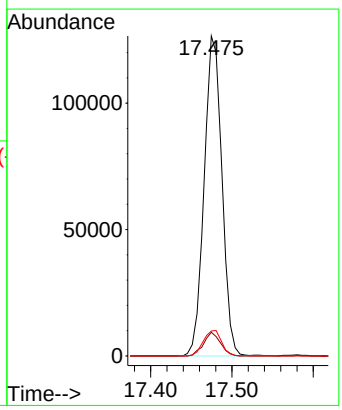


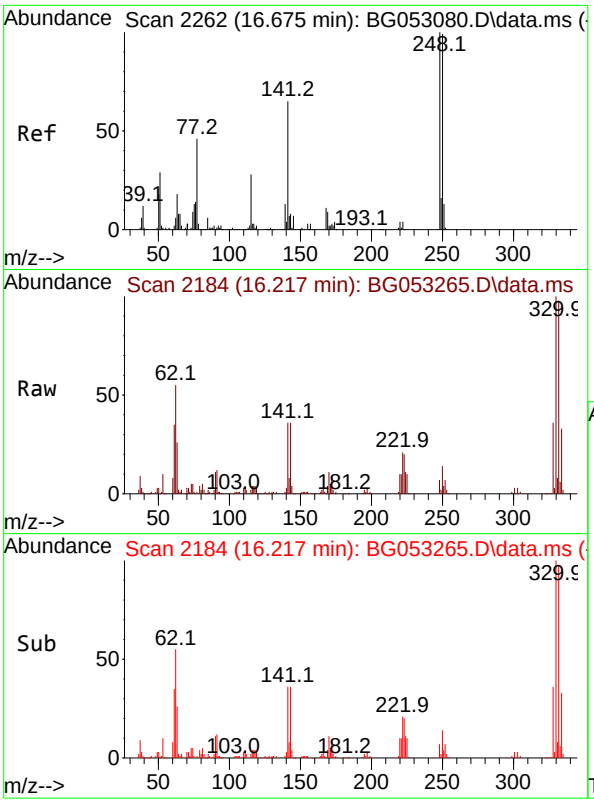




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.475 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:188 Resp: 192063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 5.7 | 8.5 |
| 80 | 7.8 | 7.2 | 10.8 |



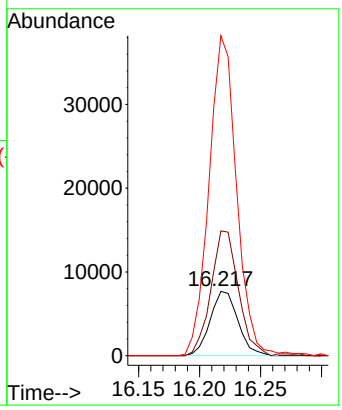


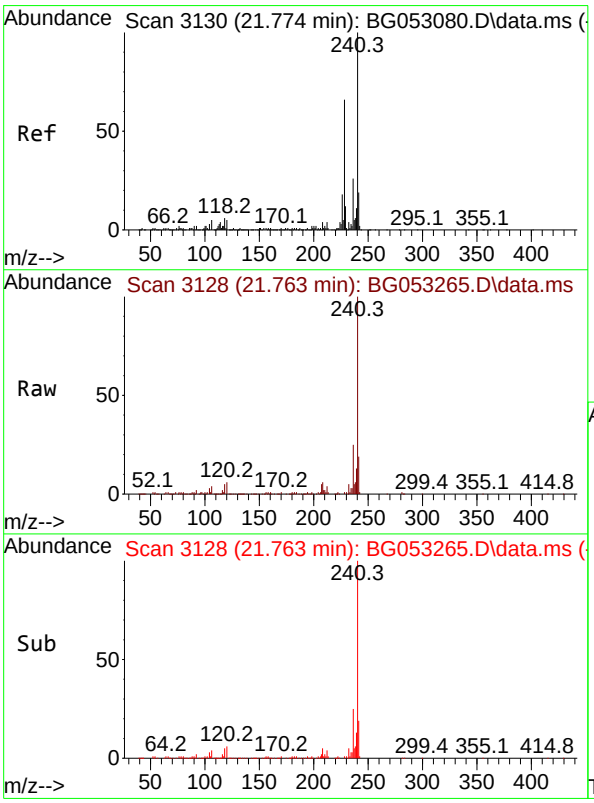

#67
4-Bromophenyl-phenylether
Concen: 4.948 ng
RT: 16.217 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:248 Resp: 12178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 194.0 | 77.9 | 116.9# |
| 141 | 497.3 | 49.2 | 73.8# |

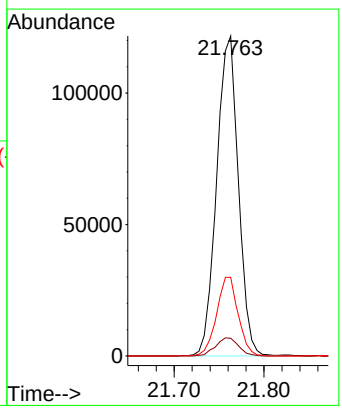


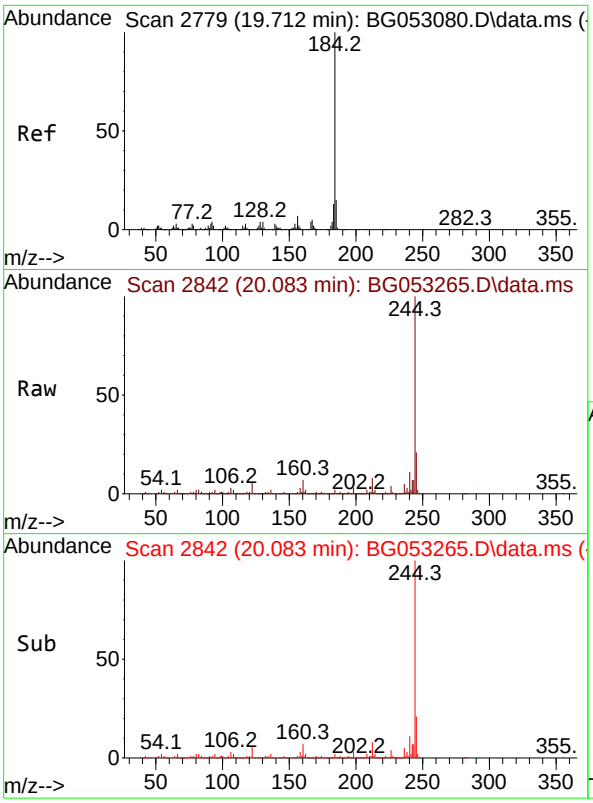




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3128
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:240 Resp: 204230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.6 | 5.4 | 8.0 |
| 236 | 24.6 | 19.8 | 29.6 |



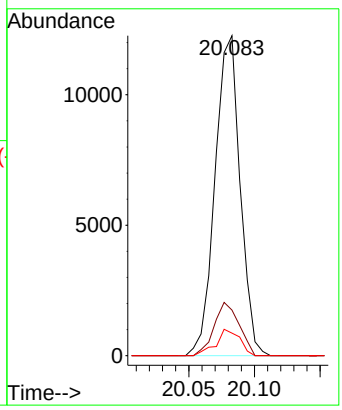


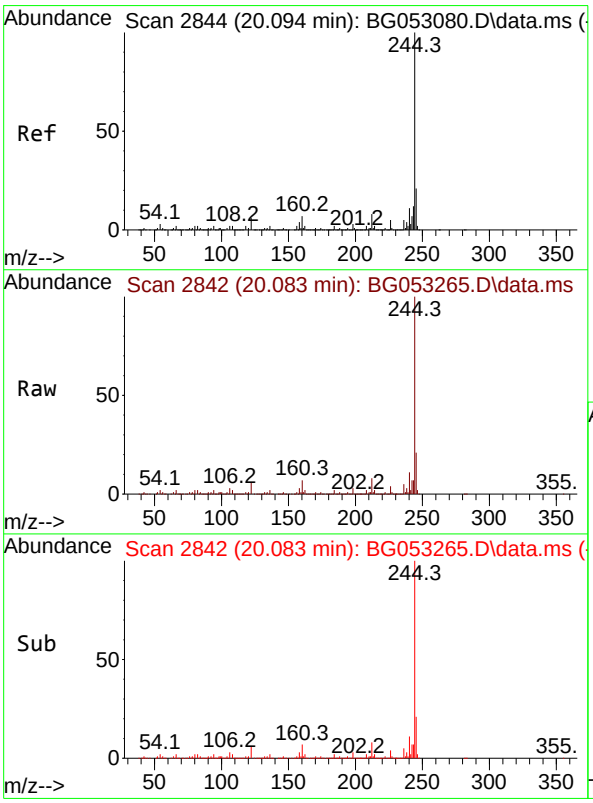

#77
Benzidine
Concen: 2.796 ng
RT: 20.083 min Scan# 2
Delta R.T. 0.379 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:184 Resp: 16292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.5 | 17.3 |
| 183 | 7.0 | 9.4 | 14.2# |

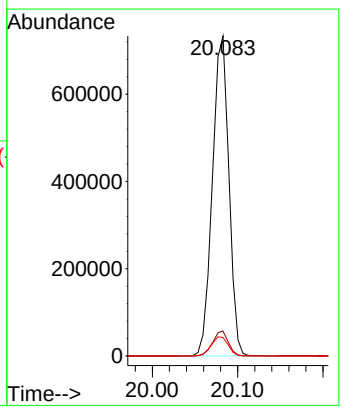


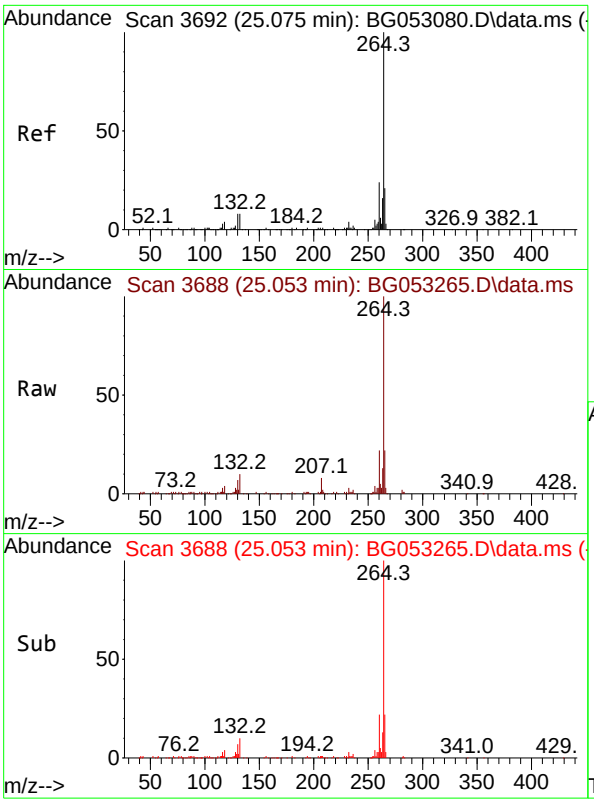




#79
Terphenyl-d14
Concen: 81.387 ng
RT: 20.083 min Scan# 2842
Delta R.T. -0.003 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

Tgt Ion:244 Resp: 984171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 5.4 | 8.2 |
| 122 | 5.7 | 5.8 | 8.6# |






#86
Perylene-d12
Concen: 20.000 ng
RT: 25.053 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG053265.D
Acq: 22 Apr 2022 17:35

**Instrument :**
BNA_G
**ClientSampleId :**
UST-1-N

Tgt Ion:264 Resp: 207707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 18.2 | 27.2 |
| 265 | 22.3 | 15.1 | 22.7 |