Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044731.D
Acq On : 12 Mar 2020 12:13
Operator : CG/JU
Sample : L1873-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :**

Quant Time: Mar 13 06:06:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 94247 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 374876 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 261166 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 593701 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 549507 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.92 | 264 | 614010 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 748536 | 123.64 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 1059387 | 120.43 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 693427 | 81.17 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 404872 | 118.40 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 1409992 | 77.31 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.05 | 244 | 2142457 | 72.93 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.21 | 77 | 1805 | Below Cal | # | 6 |
| 19) n-Nitroso-di-n-propylamine | 9.21 | 70 | 94482 | 15.211 | ng | # 71 |
| 26) 2-Nitrophenol | 9.93 | 139 | 67 | 5.534 | ng | # 28 |
| 32) Benzoic acid | 10.09 | 122 | 57 | 9.681 | ng | # 1 |
| 50) Dimethylphthalate | 14.14 | 163 | 105163 | 5.056 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.66 | 184 | 68 | 8.351 | ng | # 53 |
| 57) 2,4-Dinitrotoluene | 14.69 | 165 | 34220 | 5.951 | ng | # 18 |
| 65) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 85 | 7.754 | ng | # 49 |
| 67) 4-Bromophenyl-phenylether | 16.17 | 248 | 29473 | 3.971 | ng | # 1 |
| 77) Benzidine | 20.05 | 184 | 44028 | 2.468 | ng | # 92 |

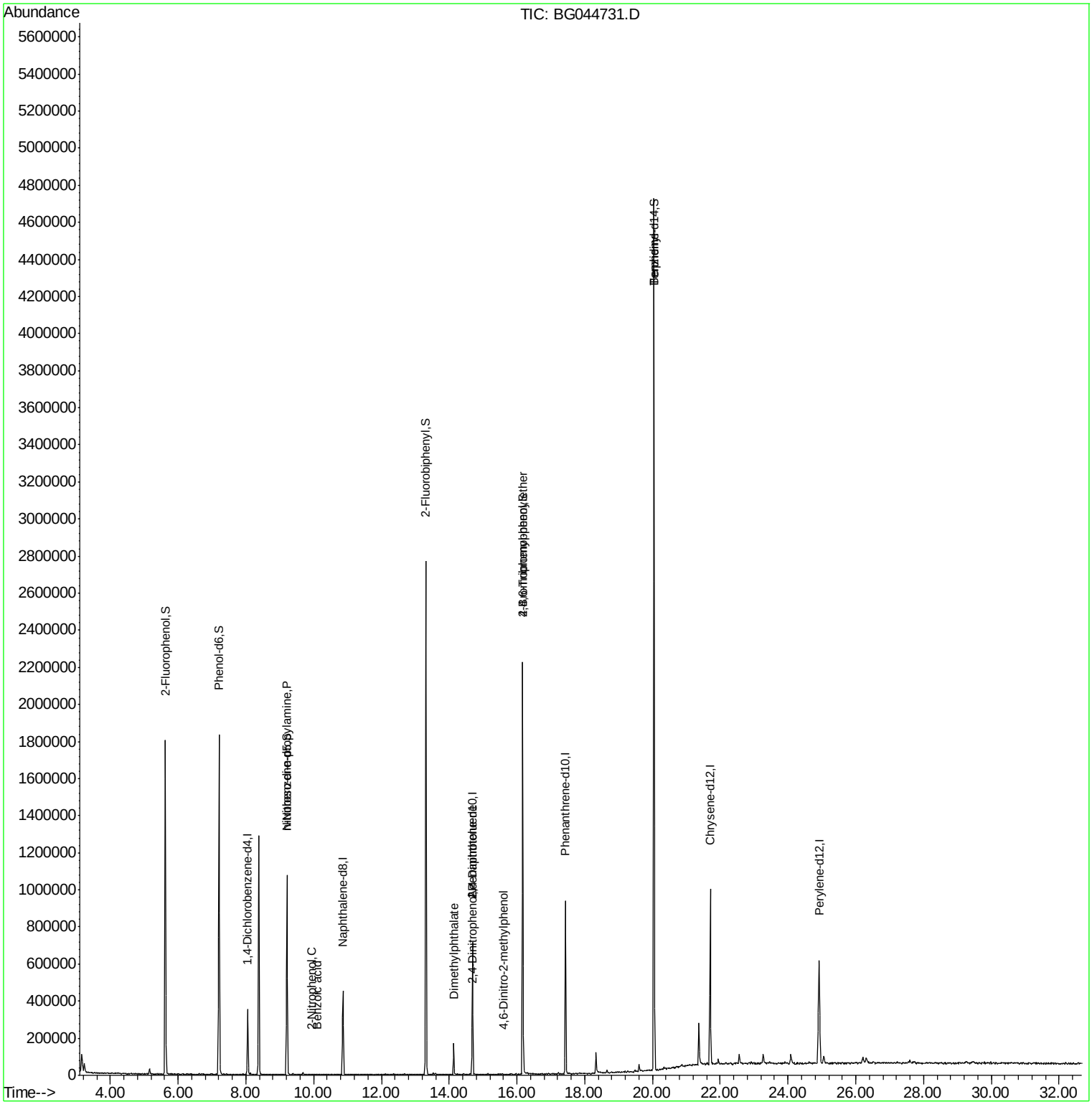
(#) = qualifier out of range (m) = manual integration (+) = signals summed

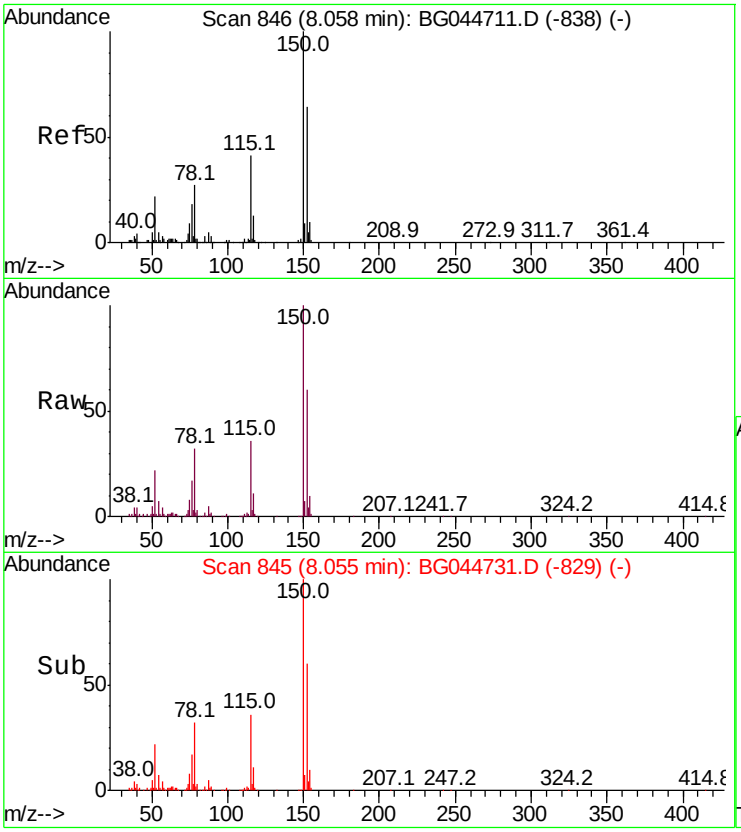
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044731.D
Acq On : 12 Mar 2020 12:13
Operator : CG/JU
Sample : L1873-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**

Quant Time: Mar 13 06:06:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration



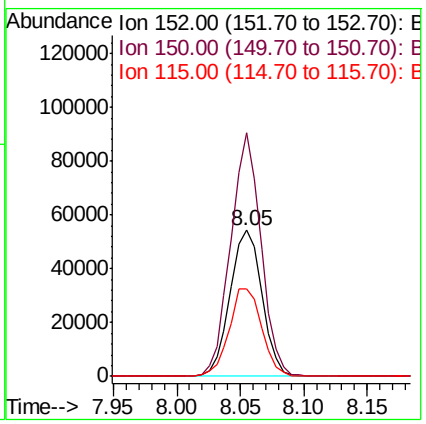


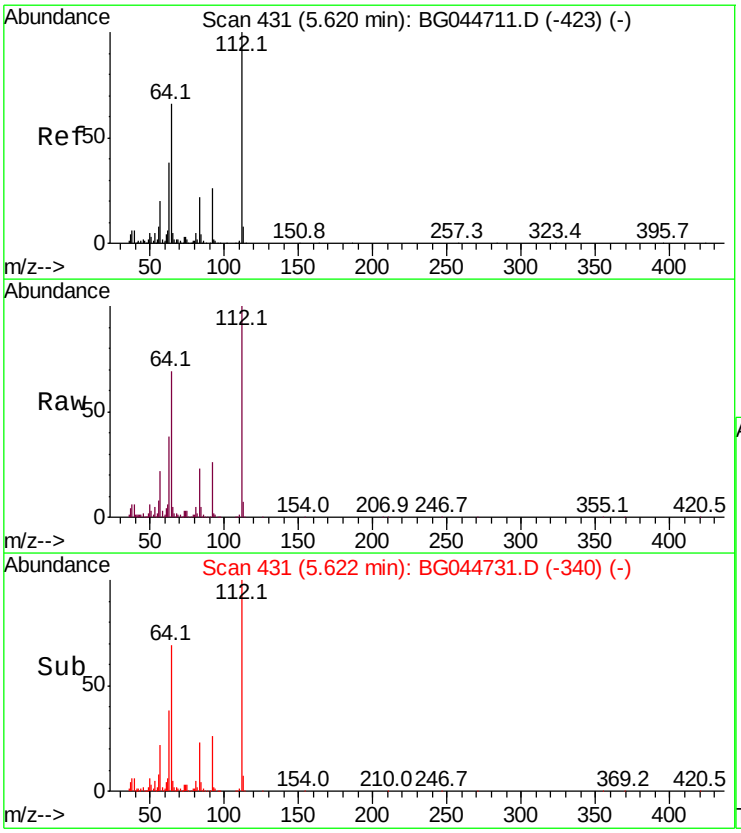

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:152 Resp: 94247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 166.4 | 125.3 | 187.9 |
| 115 | 59.8 | 51.7 | 77.5 |

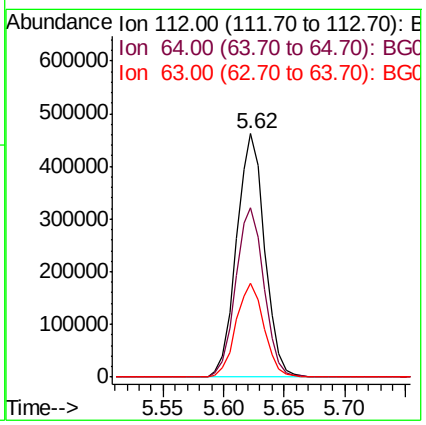


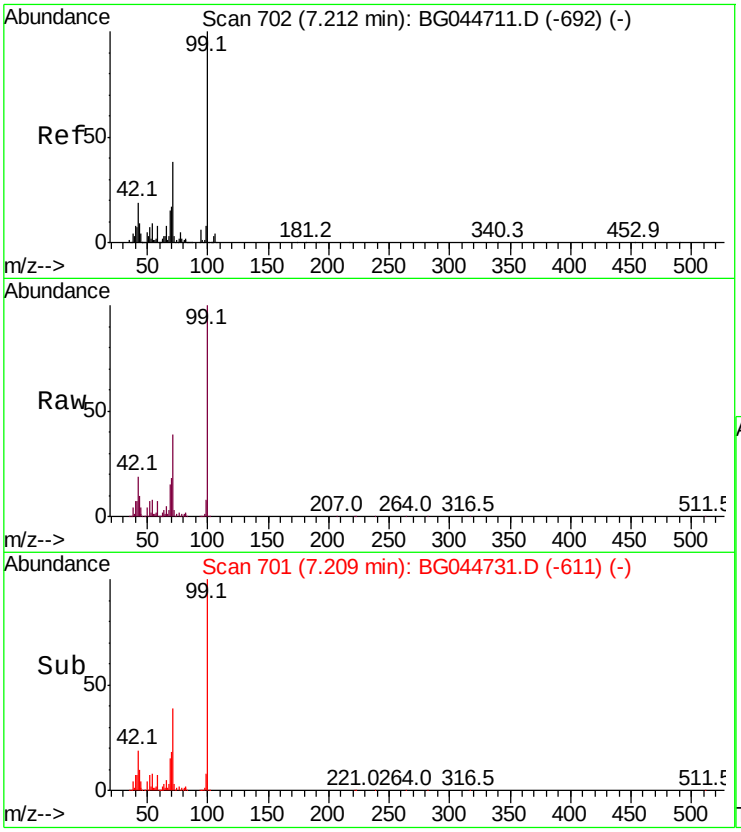




#5
2-Fluorophenol
Concen: 123.637 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:112 Resp: 748536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.4 | 52.6 | 78.8 |
| 63 | 38.3 | 30.2 | 45.4 |



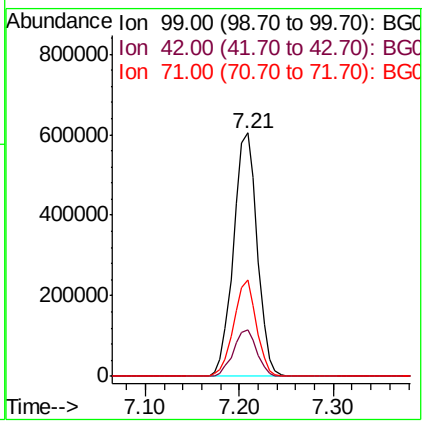


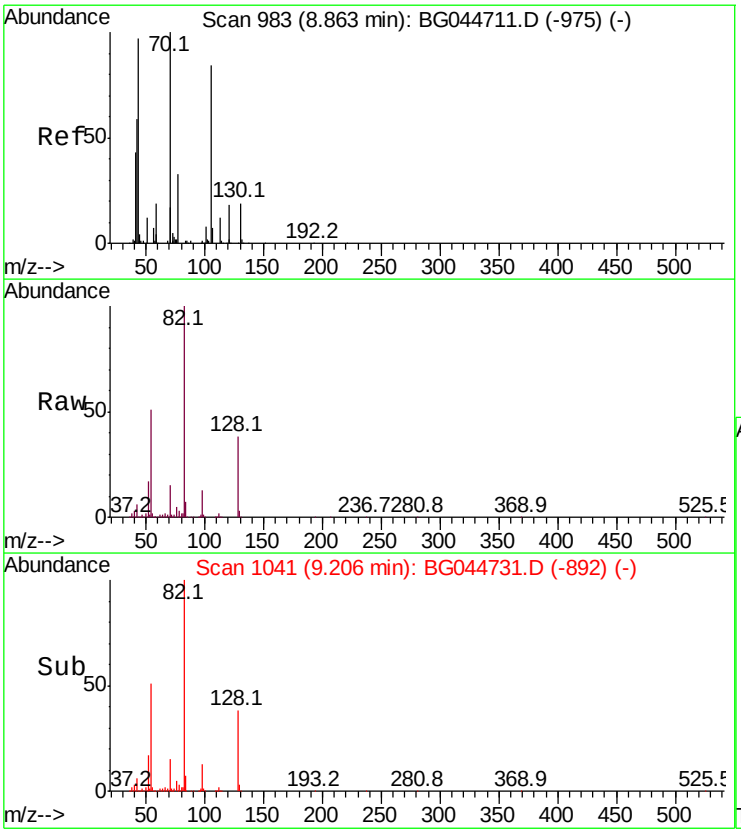

#7
Phenol-d6
Concen: 120.433 ng
RT: 7.21 min Scan# 701
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion: 99 Resp: 1059387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 15.4 | 23.0 |
| 71 | 39.4 | 30.2 | 45.4 |

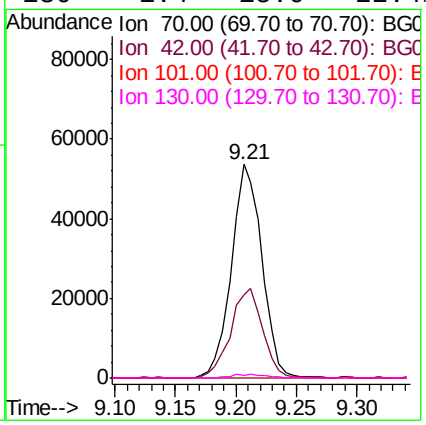


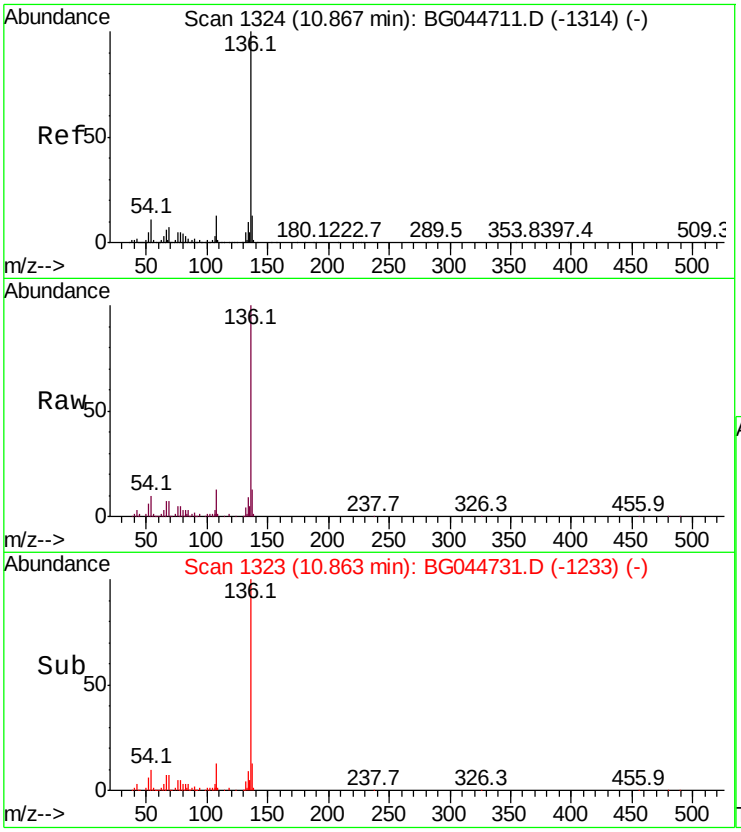




#19
n-Nitroso-di-n-propylamine
Concen: 15.211 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion: 70 Resp: 94482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.2 | 47.6 | 71.4# |
| 101 | 0.0 | 6.5 | 9.7# |
| 130 | 1.4 | 15.0 | 22.4# |



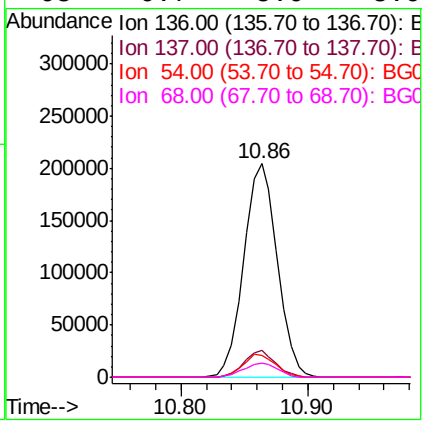


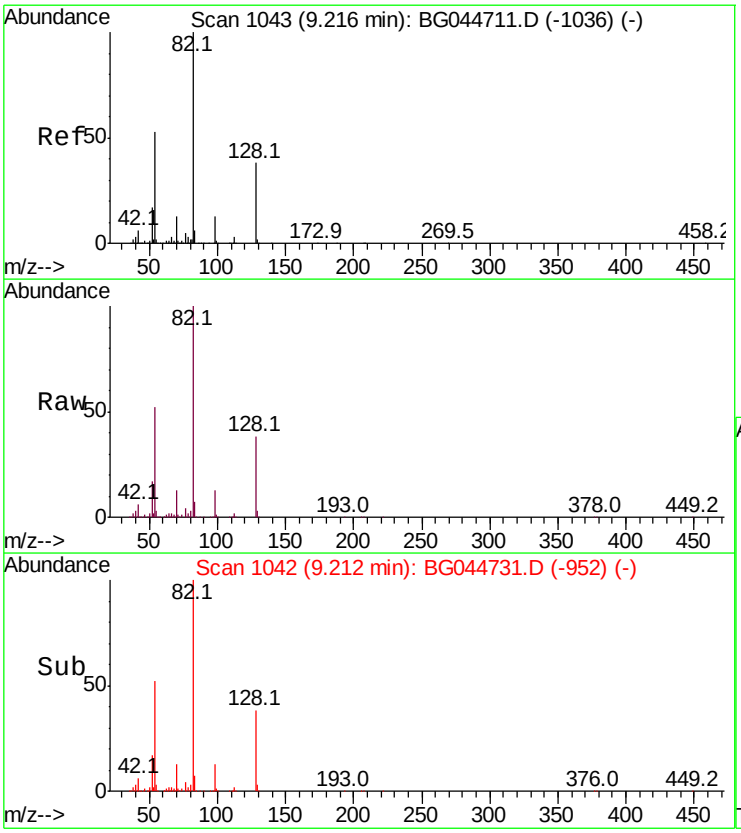

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:136 Resp: 374876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.7 | 10.7 | 16.1 |
| 54 | 9.9 | 9.0 | 13.4 |
| 68 | 6.7 | 5.9 | 8.9 |

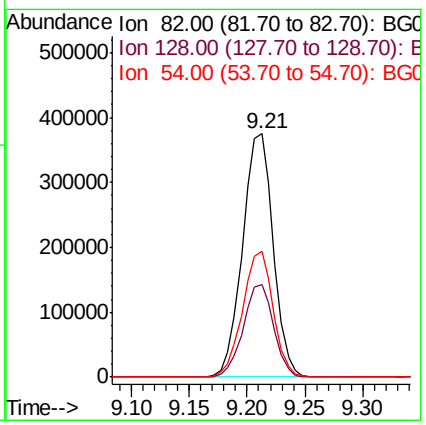


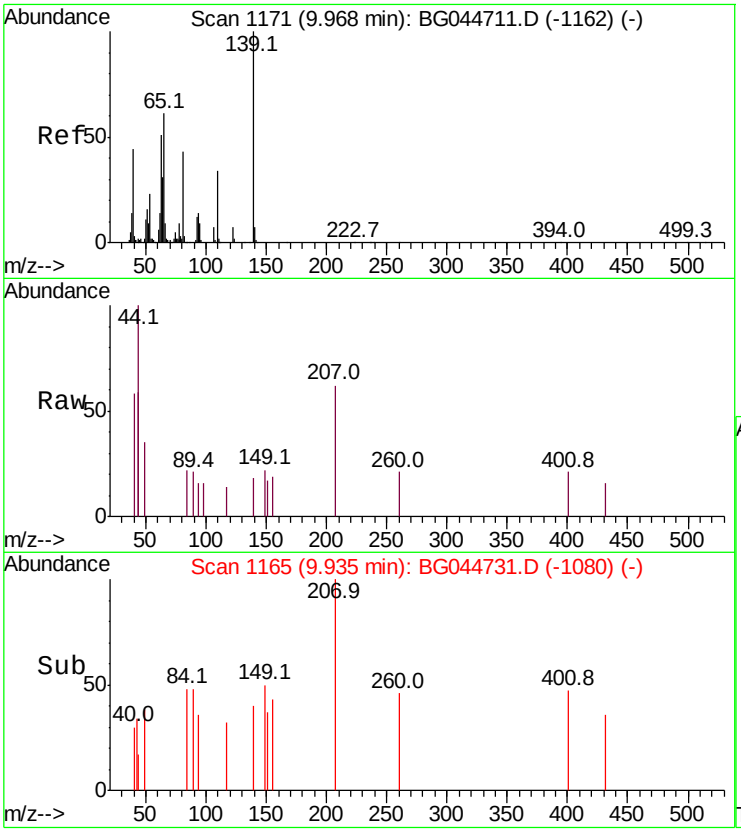




#23
Nitrobenzene-d5
Concen: 81.170 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion: 82 Resp: 693427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.3 | 30.2 | 45.2 |
| 54 | 51.8 | 41.8 | 62.8 |



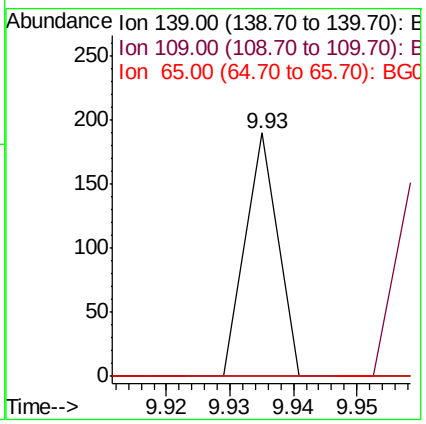


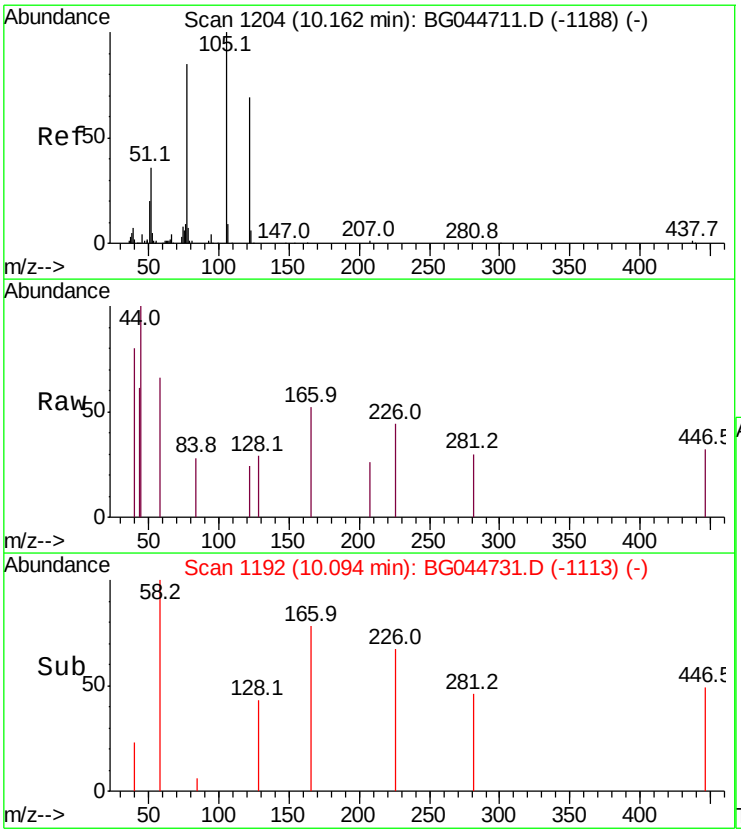

#26
2-Nitrophenol
Concen: 5.534 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:139 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 27.0 | 40.4# |
| 65 | 0.0 | 48.6 | 73.0# |

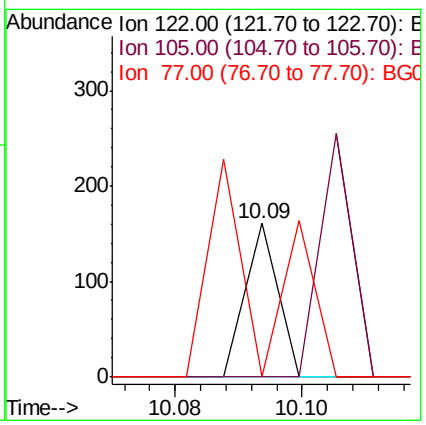


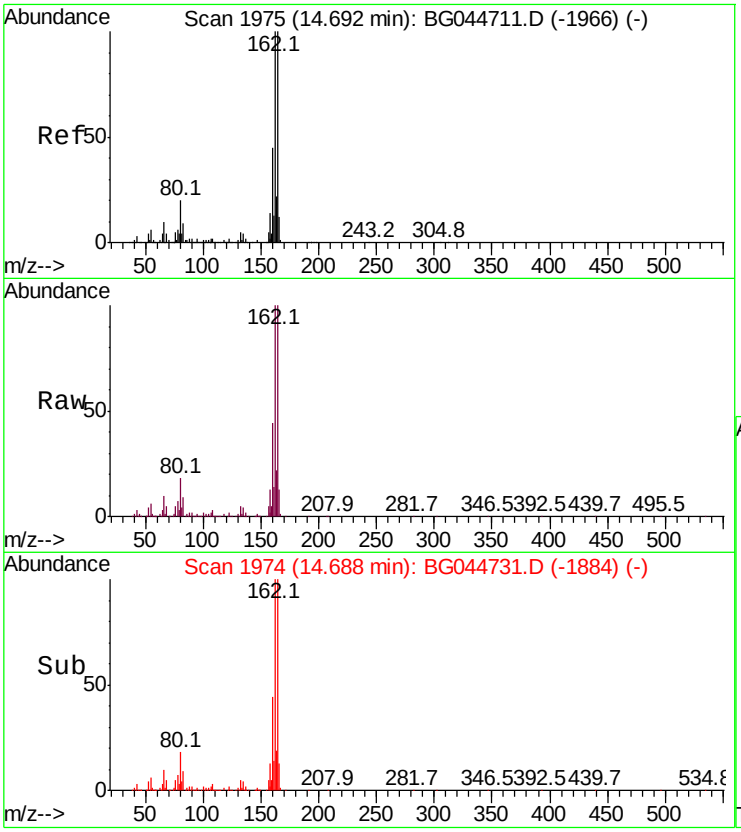




#32
Benzoic acid
Concen: 9.681 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:122 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 119.0 | 159.0# |
| 77 | 0.0 | 96.4 | 136.4# |



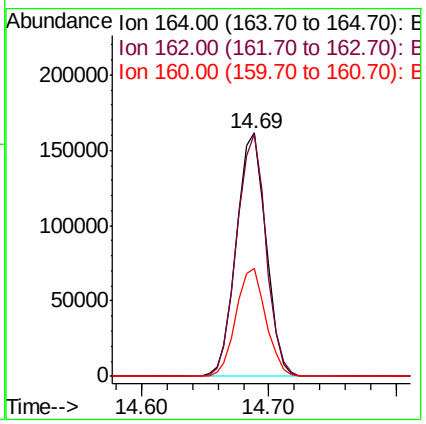


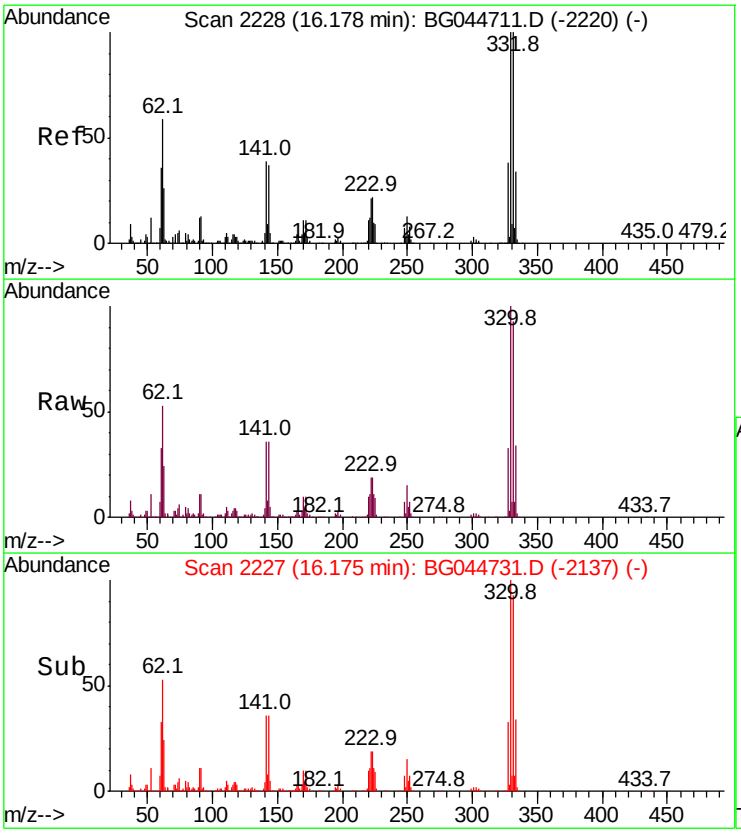

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:164 Resp: 261166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 80.2 | 120.4 |
| 160 | 44.3 | 36.2 | 54.2 |

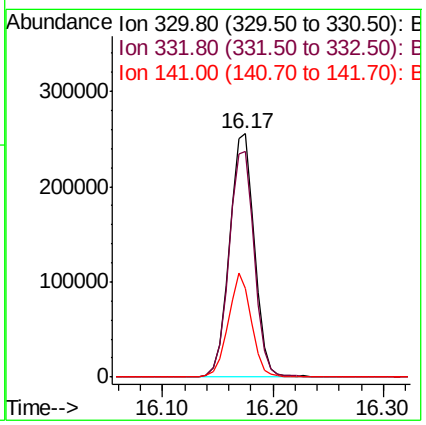


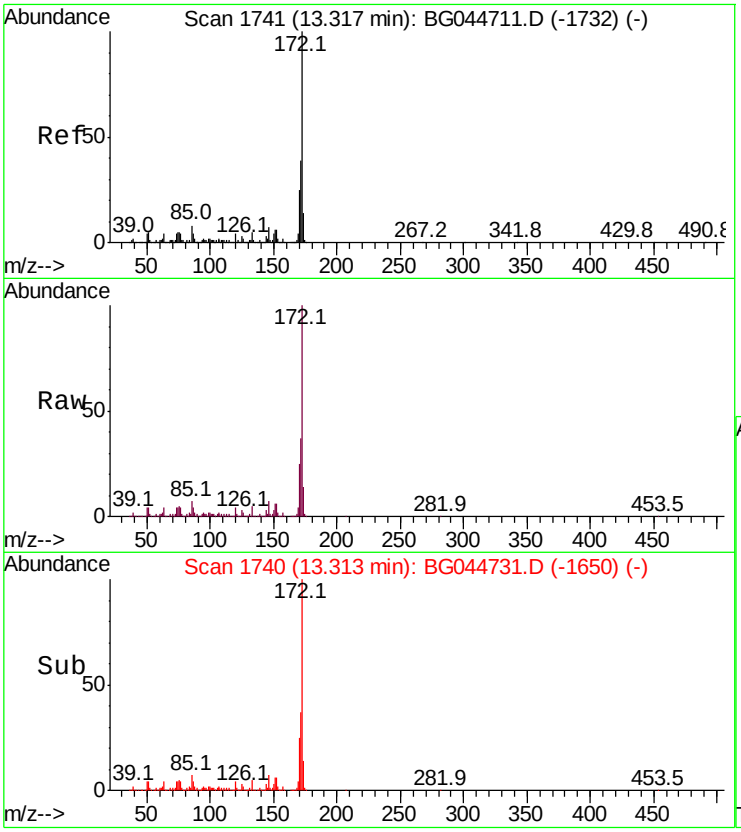




#42
2,4,6-Tribromophenol
Concen: 118.399 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:330 Resp: 404872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.9 | 77.5 | 116.3 |
| 141 | 39.3 | 31.7 | 47.5 |



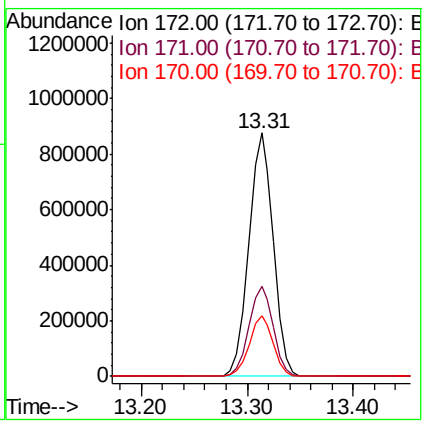


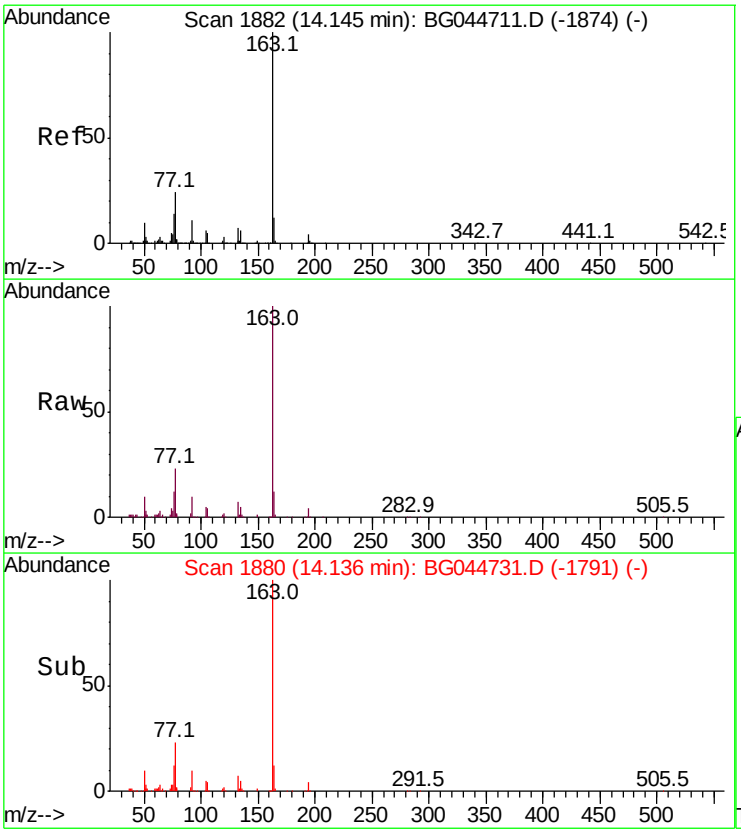

#45
2-Fluorobiphenyl
Concen: 77.313 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:172 Resp: 1409992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 30.8 | 46.2 |
| 170 | 25.0 | 20.0 | 30.0 |

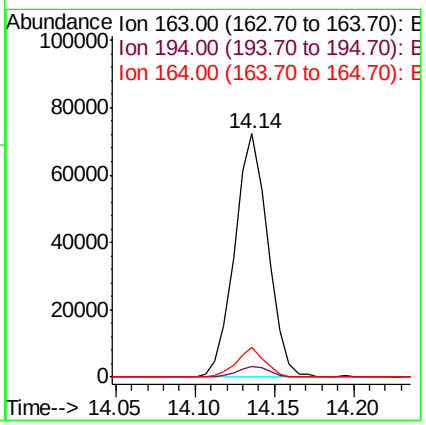


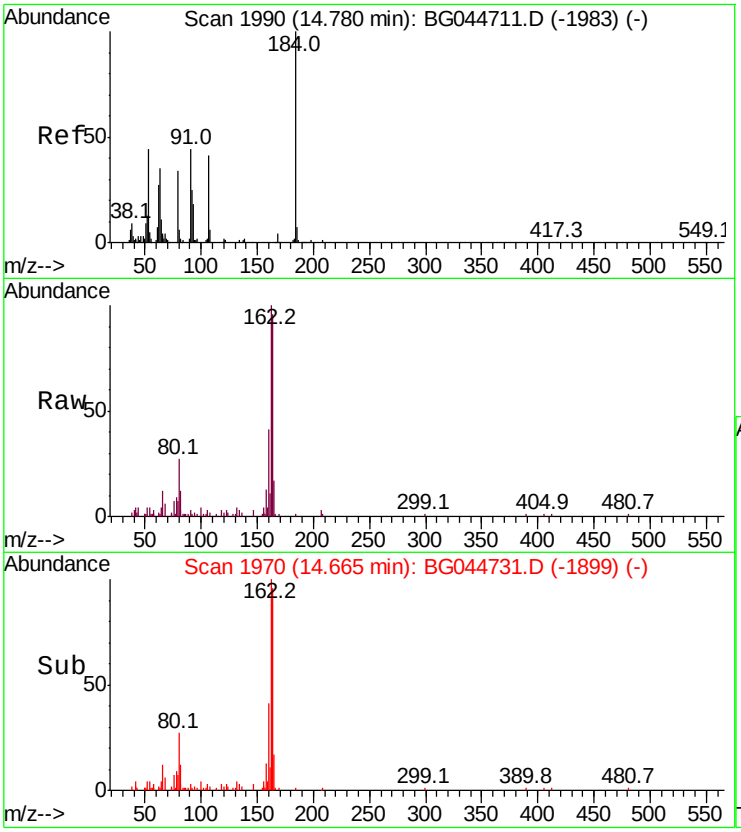




#50
Dimethylphthalate
Concen: 5.056 ng
RT: 14.14 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:163 Resp: 105163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.5 | 5.3 |
| 164 | 12.4 | 9.2 | 13.8 |



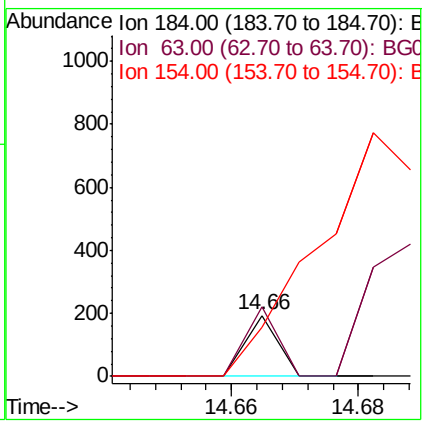


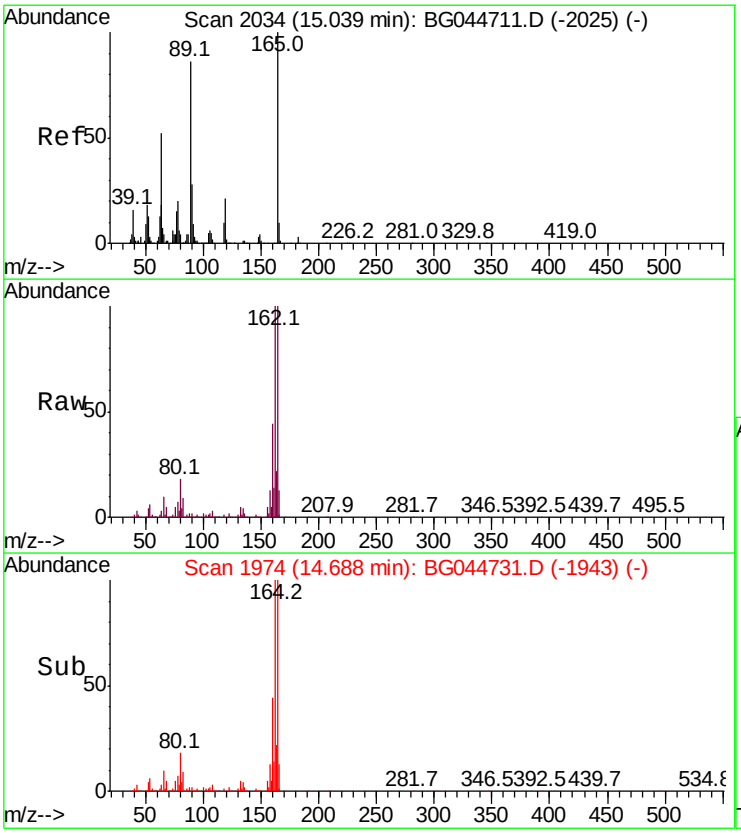

#54
2,4-Dinitrophenol
Concen: 8.351 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.11 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:184 Resp: 68

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 115.0 | 49.0 | 73.6# |
| 154 | 80.3 | 94.5 | 141.7# |

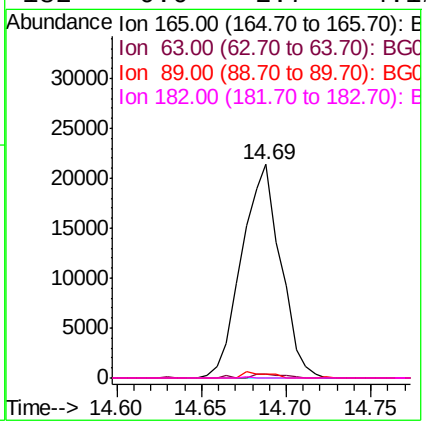


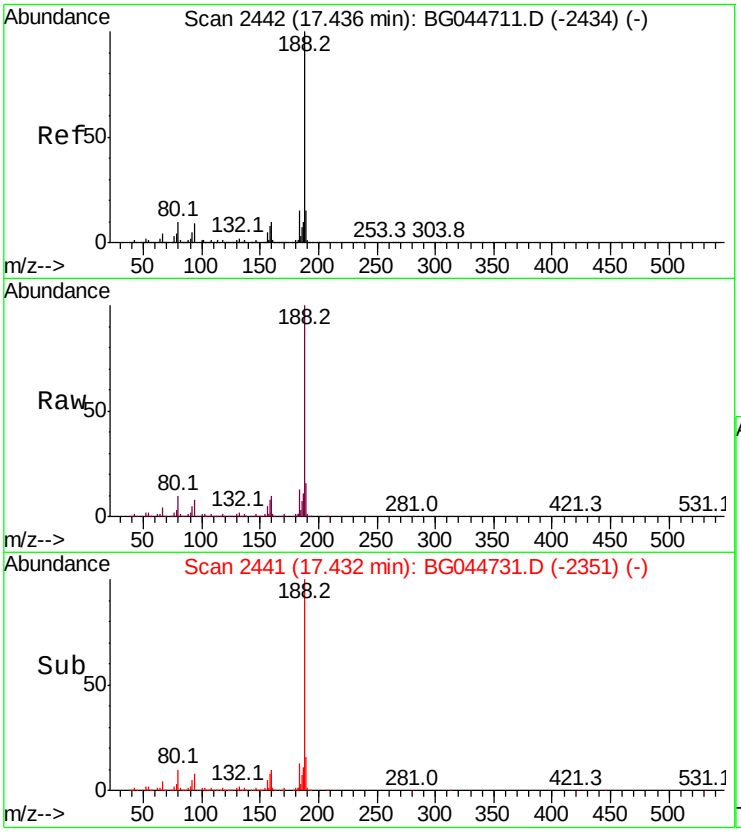




#57
2,4-Dinitrotoluene
Concen: 5.951 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:165 Resp: 34220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 41.5 | 62.3# |
| 89 | 1.9 | 69.0 | 103.4# |
| 182 | 0.0 | 2.7 | 4.1# |



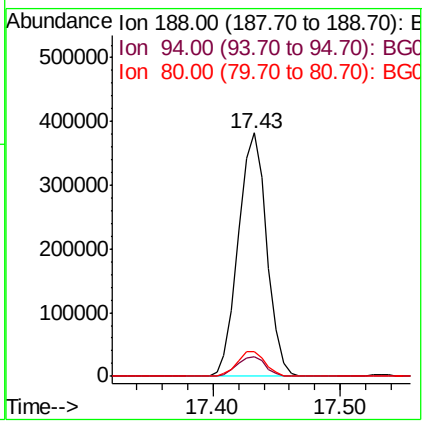


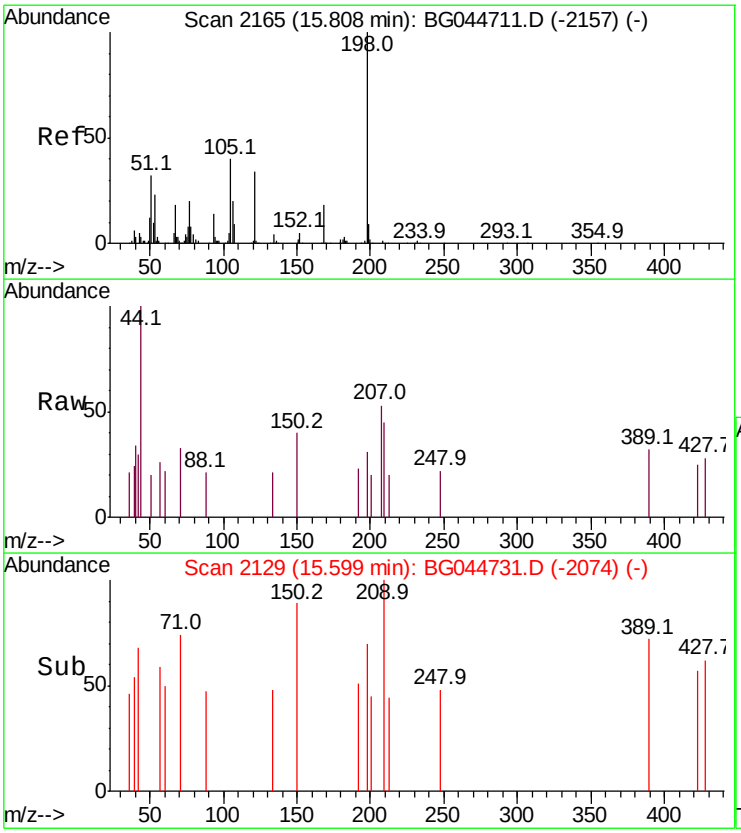

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:188 Resp: 593701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 7.0 | 10.6 |
| 80 | 10.0 | 8.4 | 12.6 |

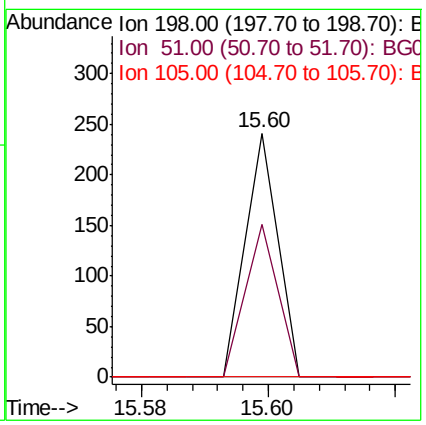


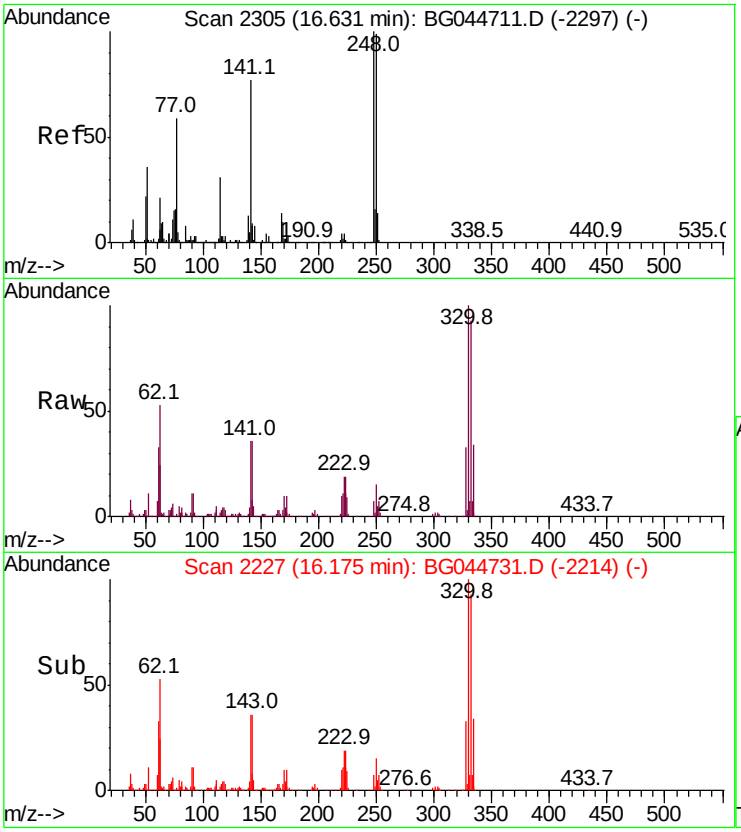




#65
4,6-Dinitro-2-methylphenol
Concen: 7.754 ng
RT: 15.60 min Scan# 2129
Delta R.T. -0.21 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:198 Resp: 85

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 62.7 | 20.1 | 60.1# |
| 105 | 0.0 | 21.3 | 61.3# |



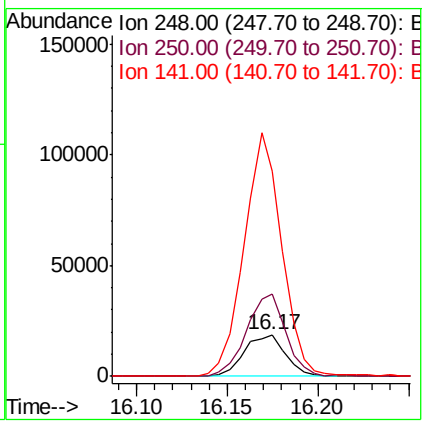


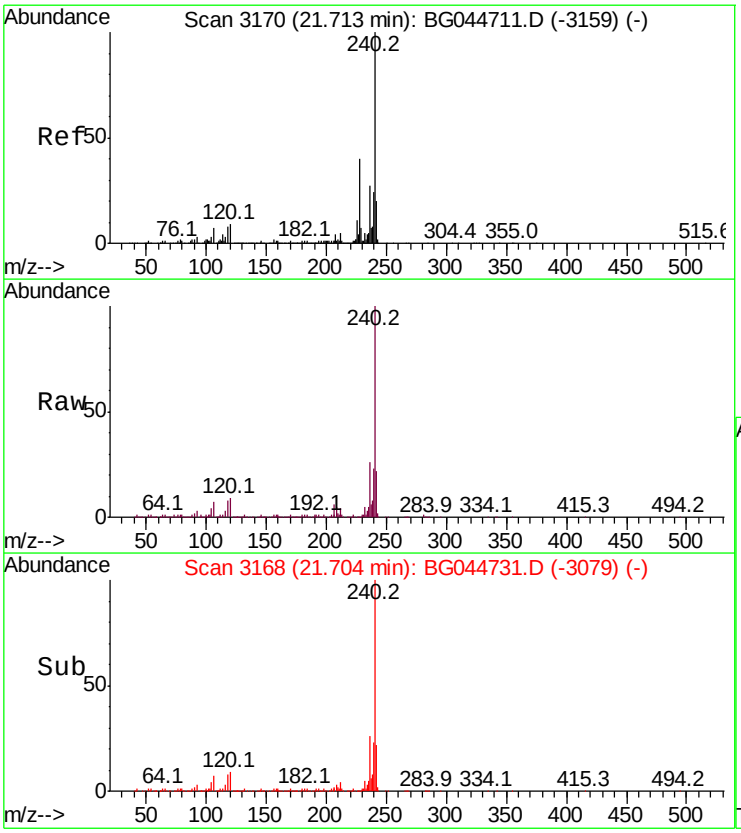

#67
4-Bromophenyl-phenylether
Concen: 3.971 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:248 Resp: 29473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.2 | 79.4 | 119.0# |
| 141 | 492.1 | 61.7 | 92.5# |

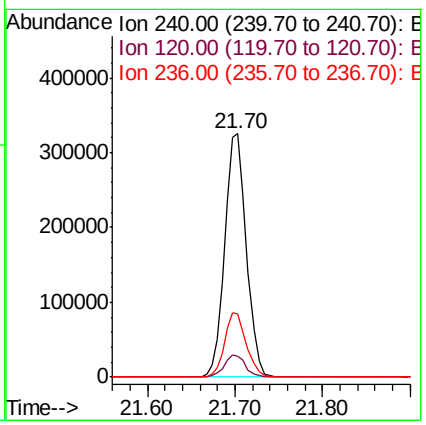


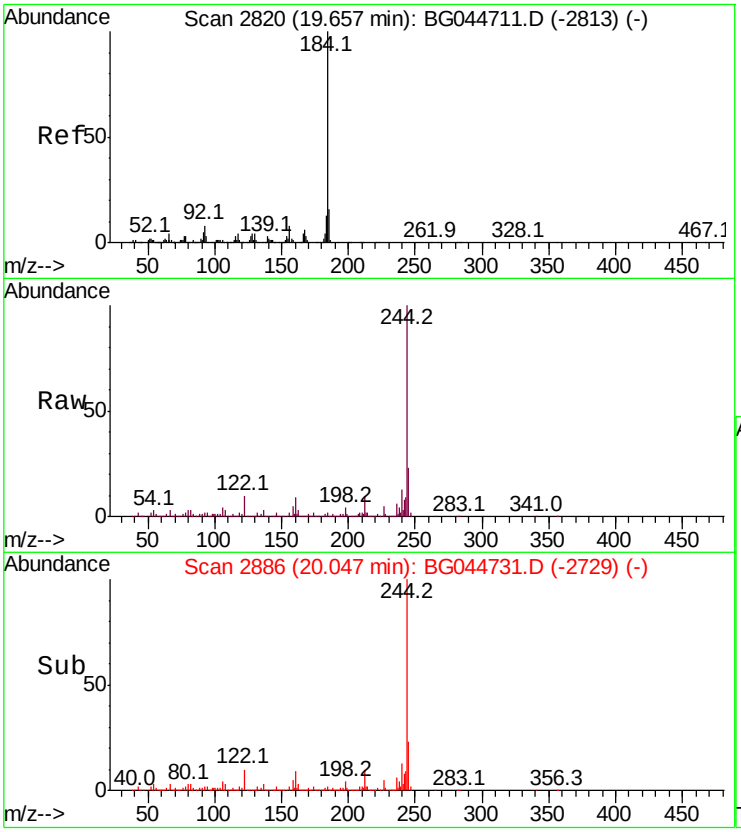




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:240 Resp: 549507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.6 | 6.9 | 10.3 |
| 236 | 26.1 | 21.9 | 32.9 |



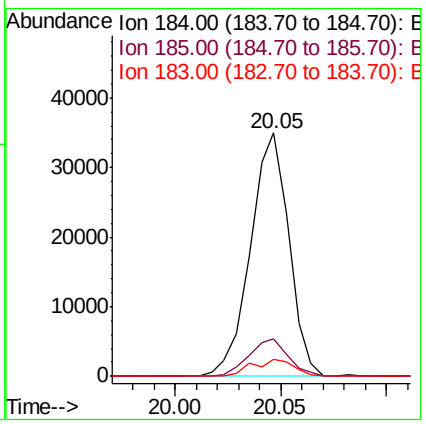


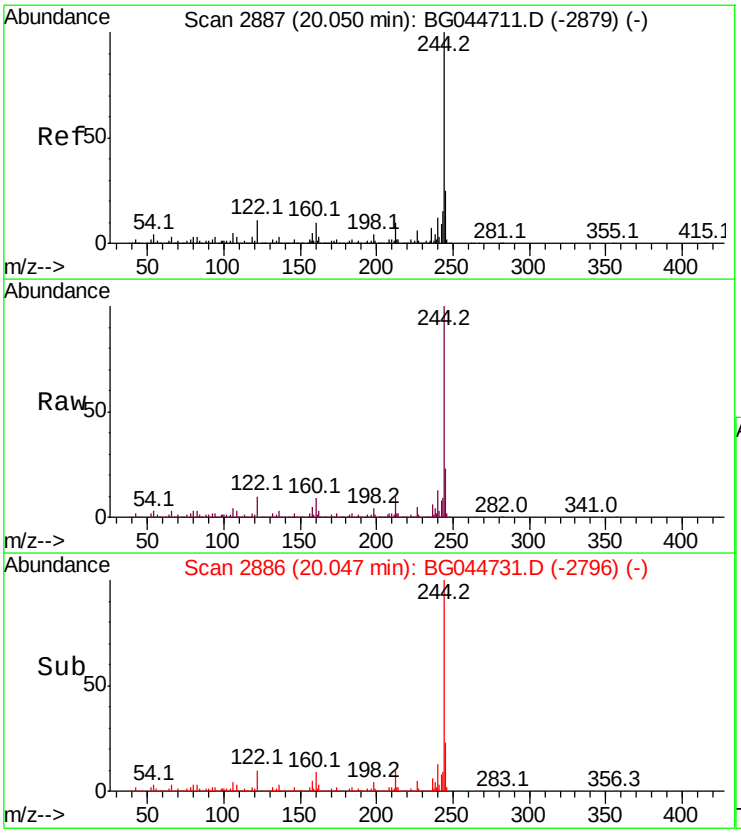

#77
Benzidine
Concen: 2.468 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.39 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

**Instrument :**
BNA_G
**ClientSampleId :**

Tgt Ion:184 Resp: 44028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 12.9 | 19.3 |
| 183 | 7.2 | 10.6 | 15.8# |

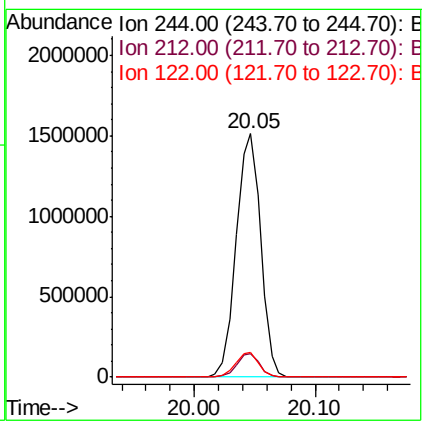


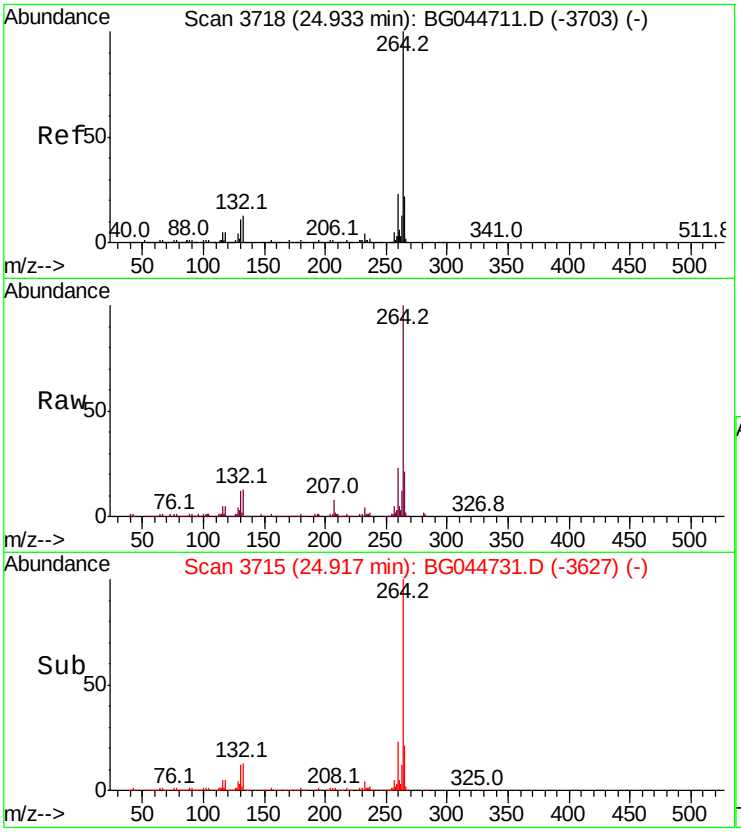




#79
Terphenyl-d14
Concen: 72.930 ng
RT: 20.05 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:244 Resp: 2142457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.9 | 8.4 | 12.6 |
| 122 | 10.0 | 8.7 | 13.1 |

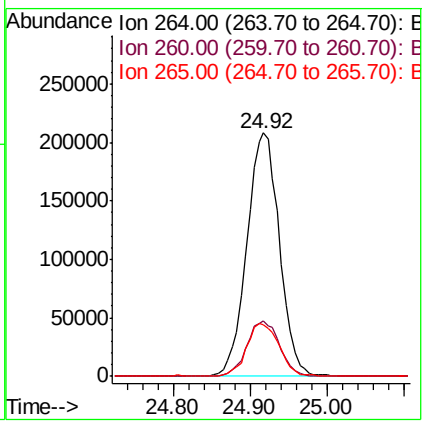





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044731.D
Acq: 12 Mar 2020 12:13

Tgt Ion:264 Resp: 614010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 18.4 | 27.6 |
| 265 | 21.2 | 17.4 | 26.2 |




**Instrument :**
BNA_G
**ClientSampleId :**