Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
Data File : BG041229.D
Acq On : 13 Jun 2019 18:53
Operator : HP/JU
Sample : K3309-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 14 08:48:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 38994 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 157395 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.73 | 164 | 112965 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 270413 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 275191 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.09 | 264 | 255268 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 135724 | 62.76 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 125125 | 37.47 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 307146 | 86.63 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 216682 | 129.20 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.35 | 172 | 703720 | 89.71 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 1202561 | 92.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 12) 1,3-Dichlorobenzene | 8.14 | 146 | 11095 | 3.603 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 11095 | 3.560 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 44819 | 17.439 | ng | # | 76 |
| 32) Benzoic acid | 10.61 | 122 | 57 | 8.155 | ng | # | 1 |
| 48) 2-Nitroaniline | 13.35 | 65 | 5573 | 2.164 | ng | # | 1 |
| 51) 2,6-Dinitrotoluene | 14.73 | 165 | 14926 | 7.239 | ng | # | 21 |
| 57) 2,4-Dinitrotoluene | 14.73 | 165 | 14926 | 5.125 | ng | # | 24 |
| 65) 4,6-Dinitro-2-methylphenol | 15.61 | 198 | 62 | 8.625 | ng | # | 36 |
| 67) 4-Bromophenyl-phenylether | 16.22 | 248 | 15712 | 4.305 | ng | # | 1 |
| 77) Benzidine | 20.07 | 184 | 21314 | 3.247 | ng | # | 95 |

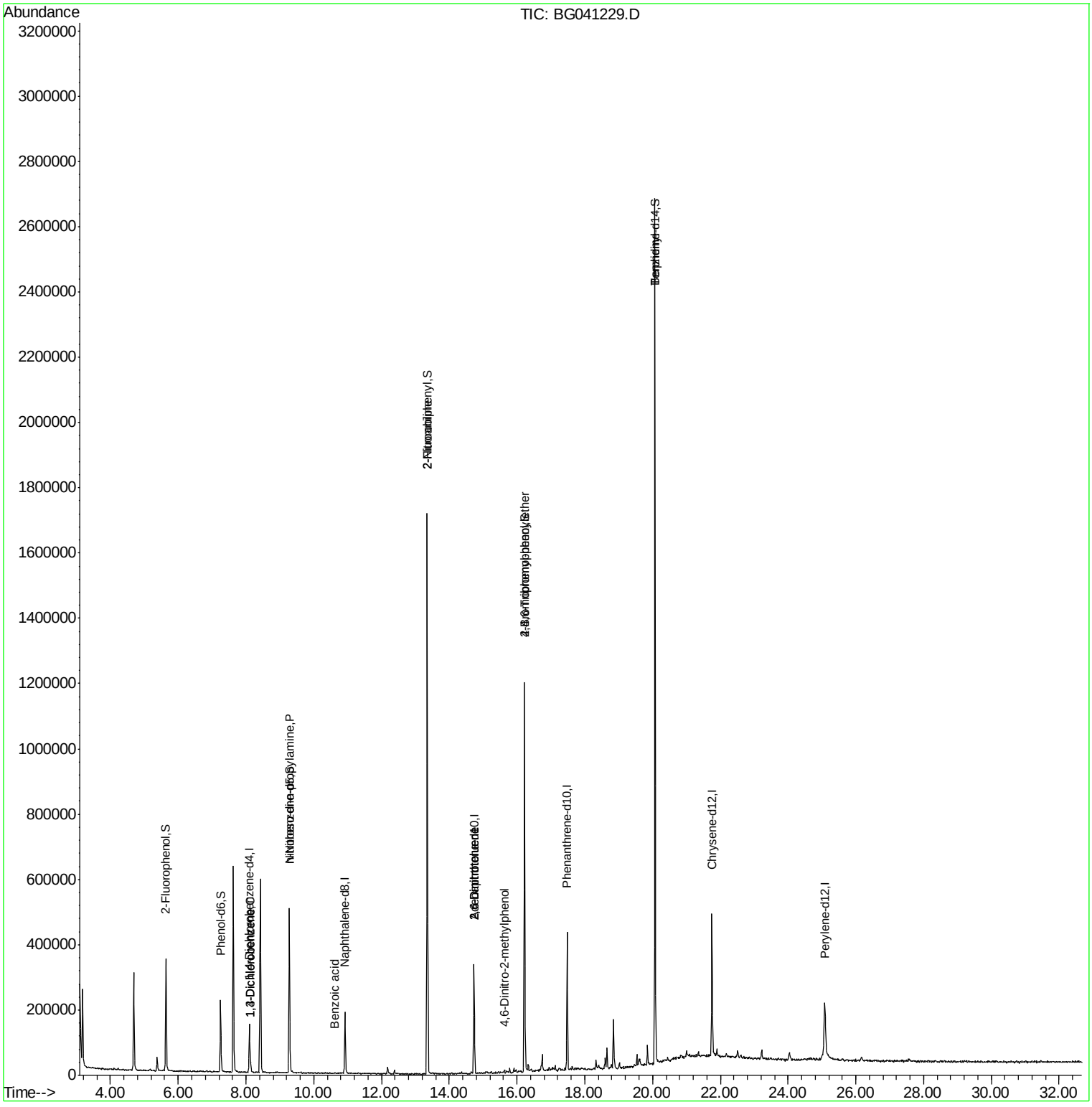
(#) = qualifier out of range (m) = manual integration (+) = signals summed

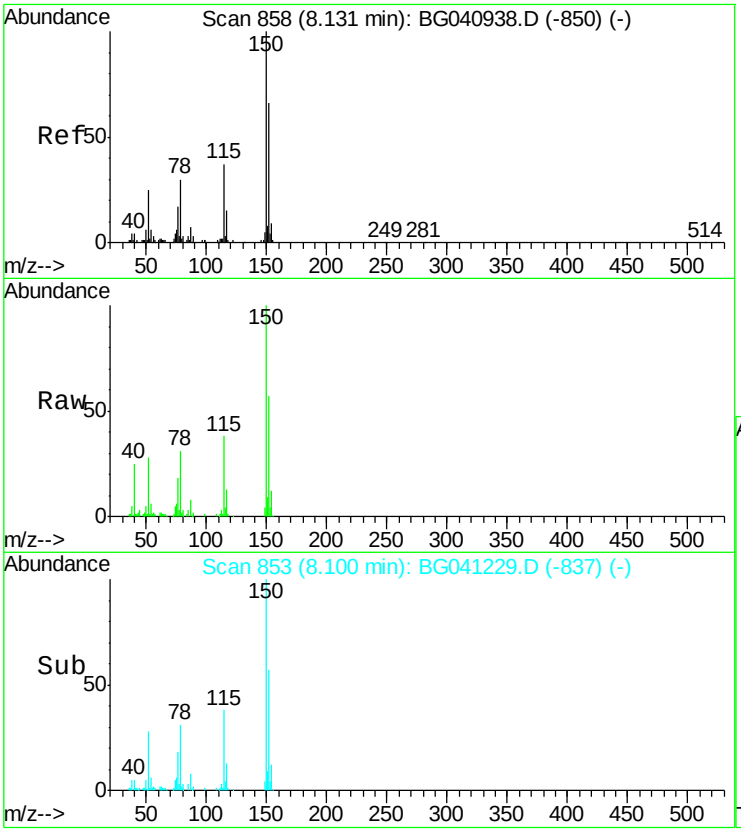
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
Data File : BG041229.D
Acq On : 13 Jun 2019 18:53
Operator : HP/JU
Sample : K3309-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 14 08:48:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration



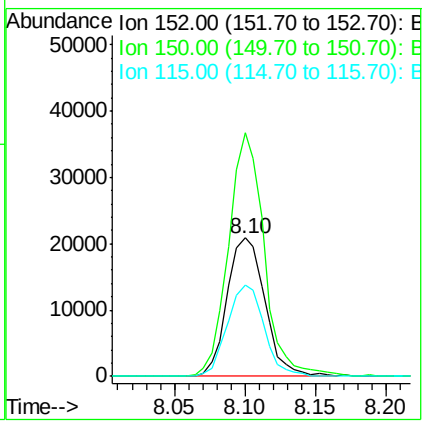


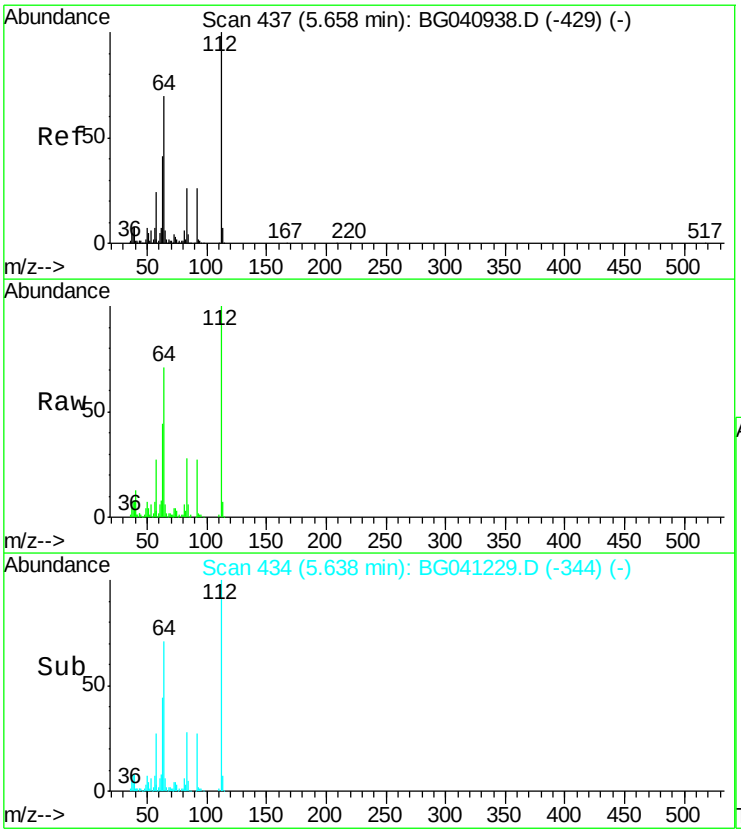

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:152 Resp: 38994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 175.7 | 120.6 | 180.8 |
| 115 | 66.0 | 45.1 | 67.7 |

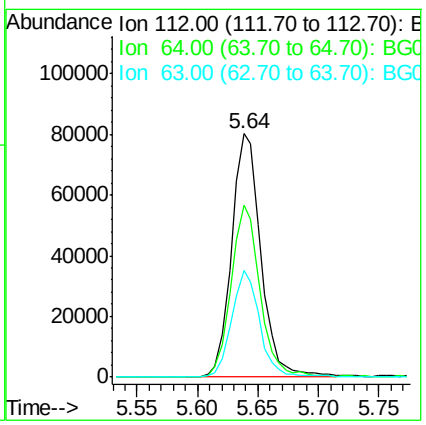


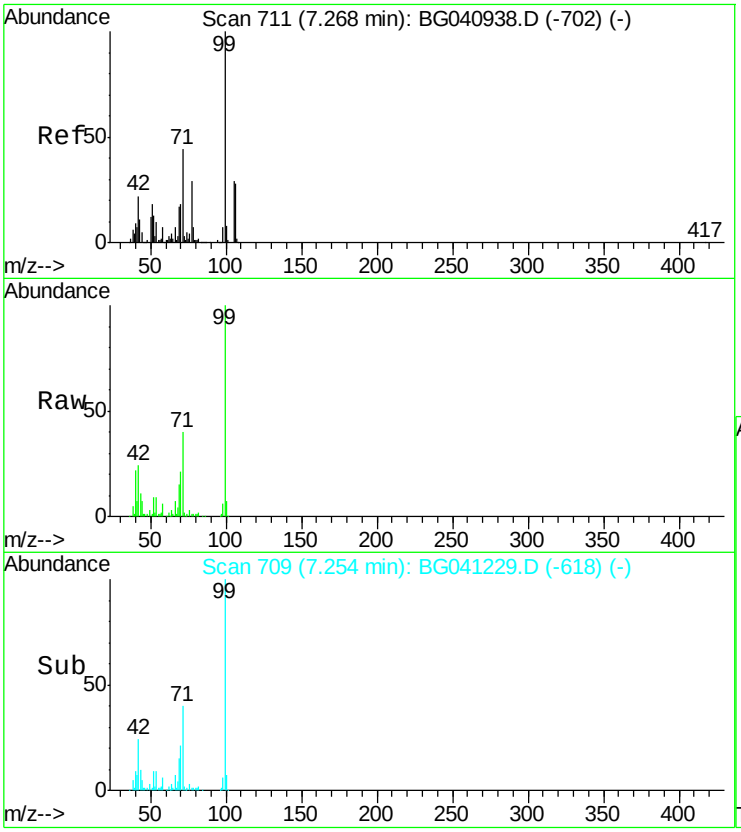




#5
2-Fluorophenol
Concen: 62.763 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:112 Resp: 135724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.6 | 56.2 | 84.2 |
| 63 | 43.6 | 32.8 | 49.2 |



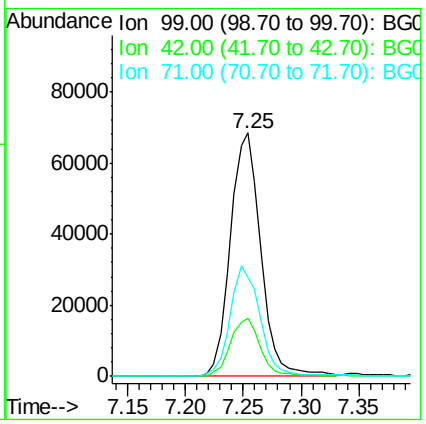


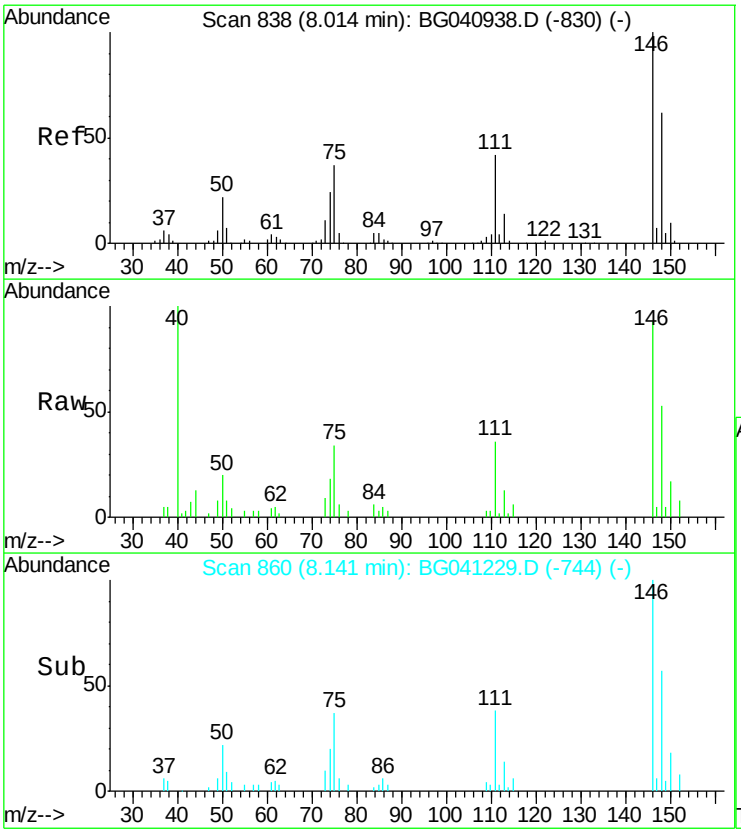

#7
Phenol-d6
Concen: 37.466 ng
RT: 7.25 min Scan# 709
Delta R.T. 0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion: 99 Resp: 125125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.9 | 17.9 | 26.9 |
| 71 | 40.4 | 35.4 | 53.0 |

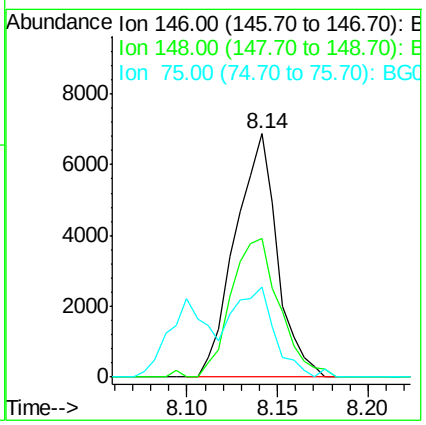


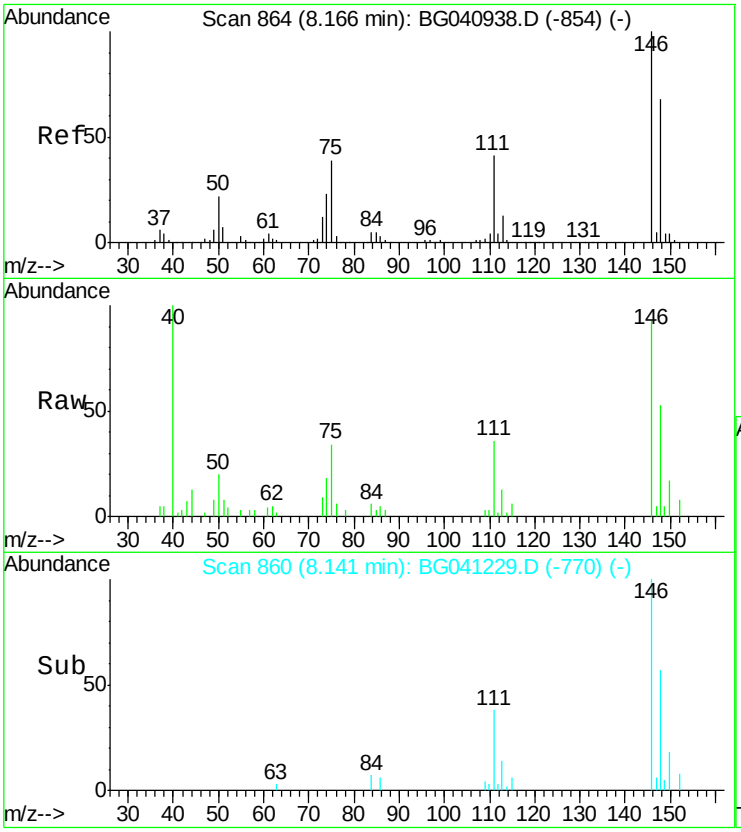




#12
1,3-Dichlorobenzene
Concen: 3.603 ng
RT: 8.14 min Scan# 860
Delta R.T. 0.15 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:146 Resp: 11095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 56.9 | 49.2 | 73.8 |
| 75 | 36.9 | 29.4 | 44.0 |



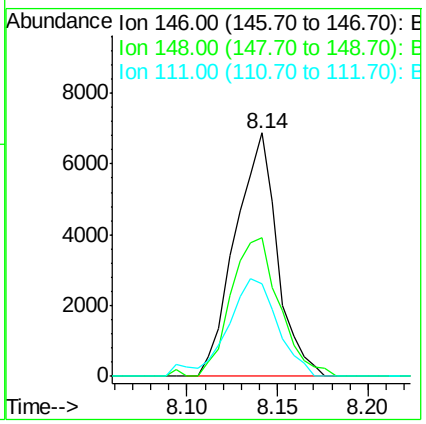


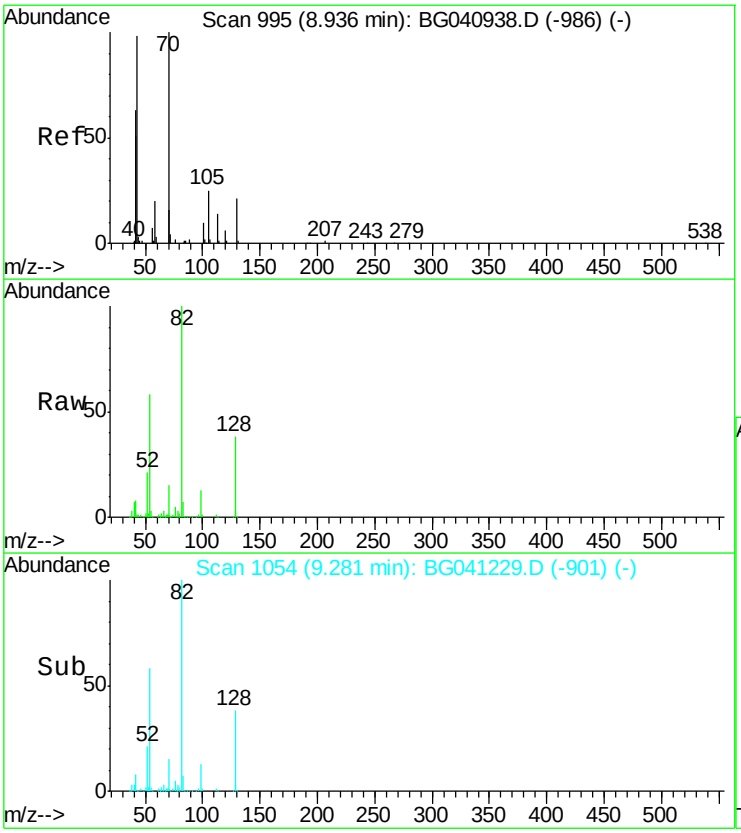

#13
1,4-Dichlorobenzene
Concen: 3.560 ng
RT: 8.14 min Scan# 860
Delta R.T. 0.00 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:146 Resp: 11095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 56.9 | 54.2 | 81.4 |
| 111 | 38.2 | 32.9 | 49.3 |

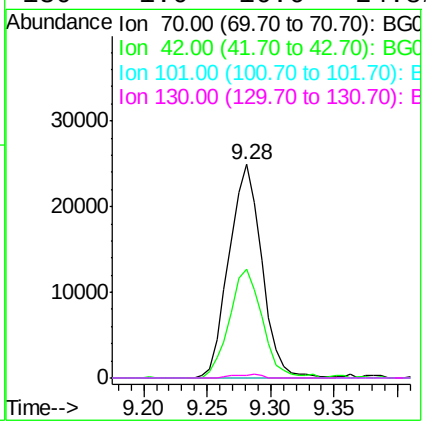


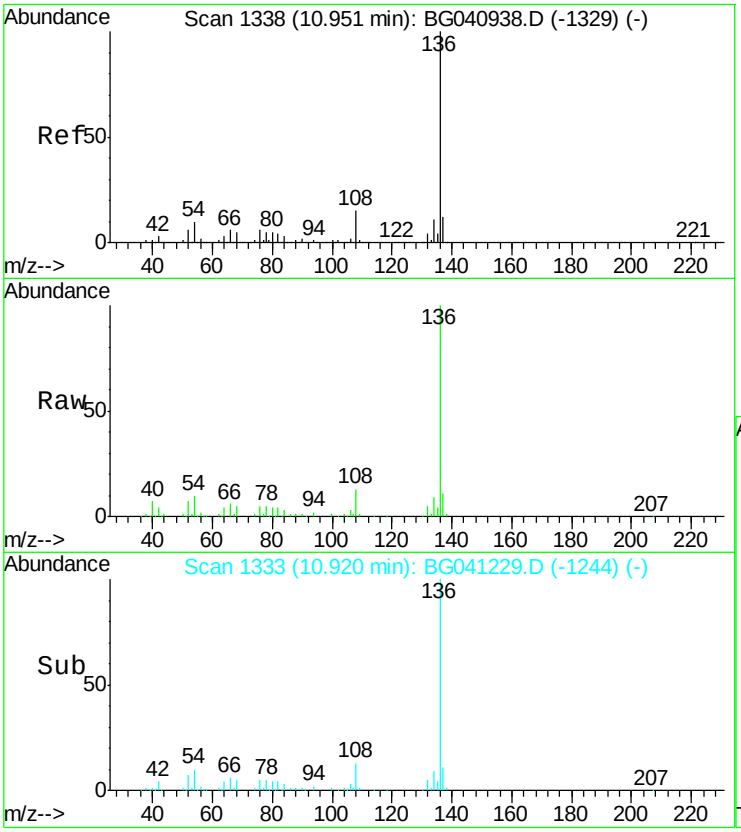




#19
n-Nitroso-di-n-propylamine
Concen: 17.439 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.37 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion: 70 Resp: 44819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.8 | 51.5 | 77.3# |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 1.0 | 16.6 | 24.8# |



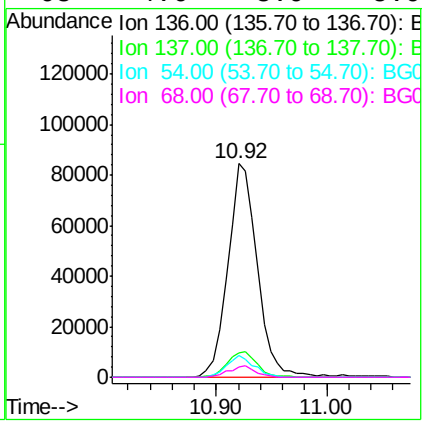


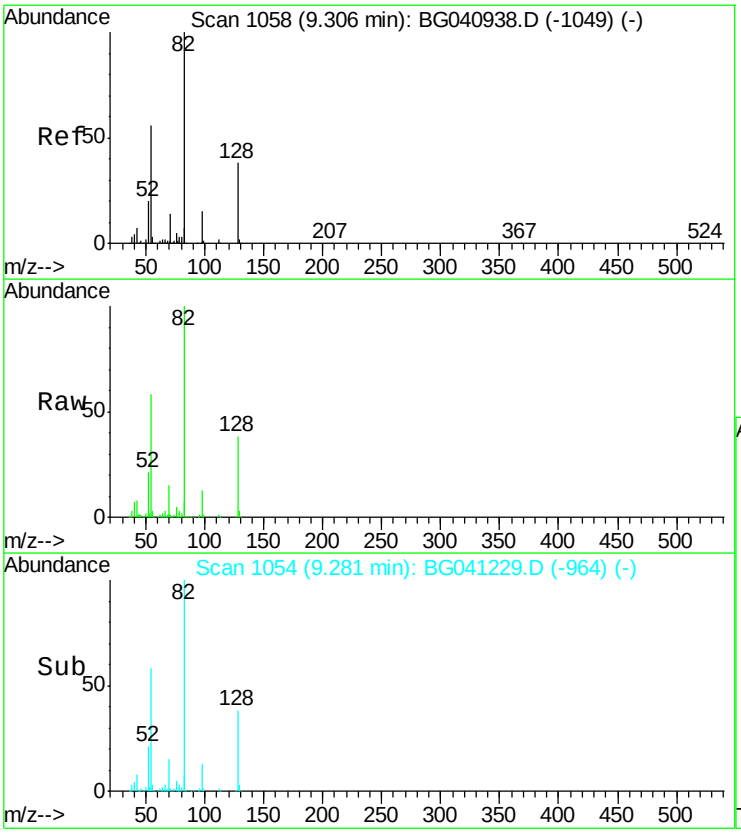

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:136 Resp: 157395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.5 | 14.3 |
| 54 | 9.9 | 7.6 | 11.4 |
| 68 | 4.6 | 3.9 | 5.9 |

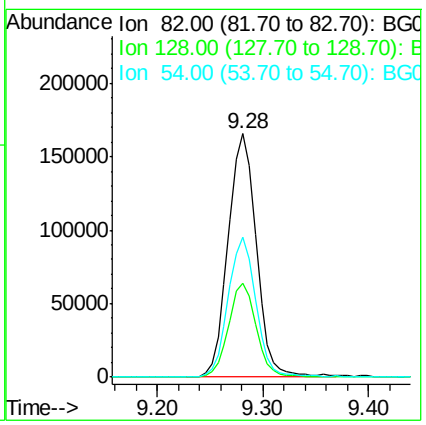


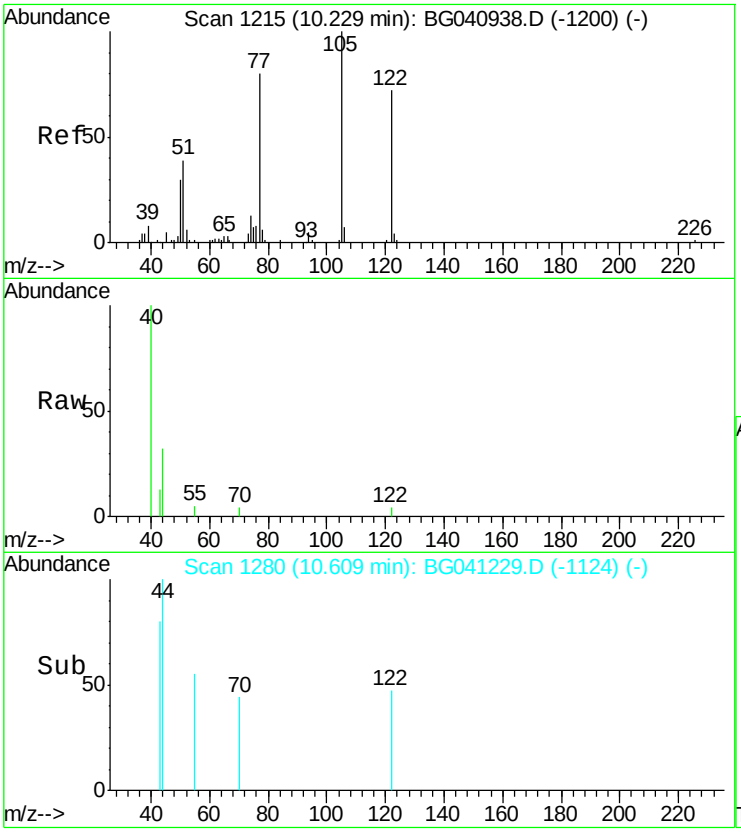




#23
Nitrobenzene-d5
Concen: 86.631 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion: 82 Resp: 307146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.4 | 30.5 | 45.7 |
| 54 | 57.5 | 44.6 | 66.8 |



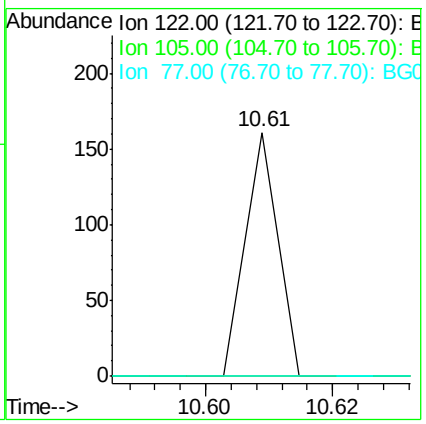


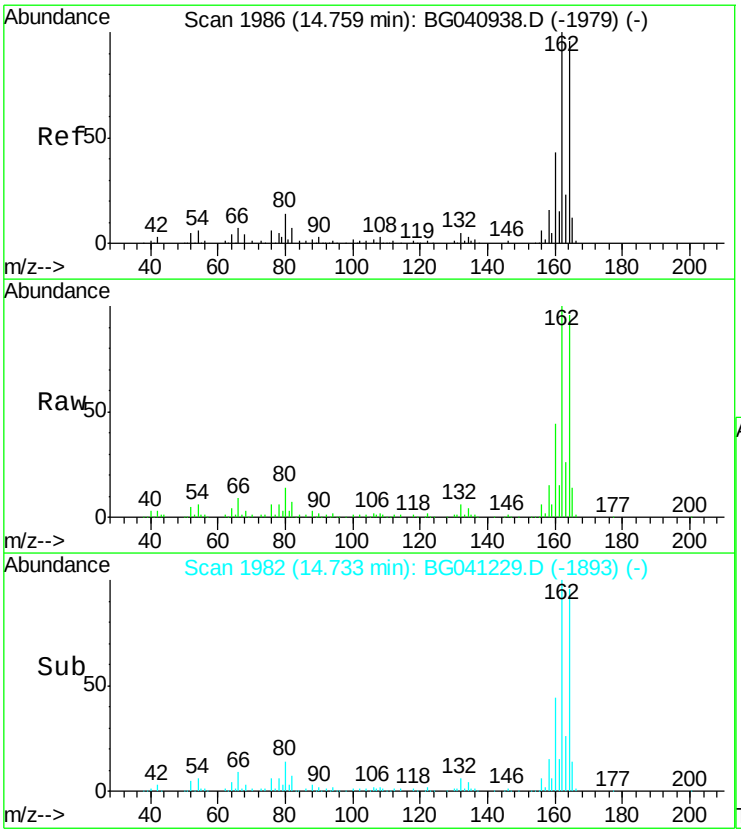

#32
Benzoic acid
Concen: 8.155 ng
RT: 10.61 min Scan# 1280
Delta R.T. 0.39 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:122 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 114.8 | 154.8# |
| 77 | 0.0 | 89.9 | 129.9# |

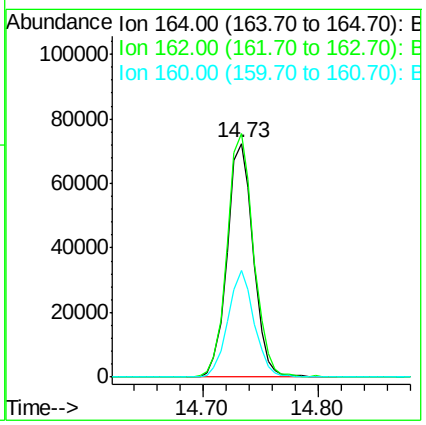


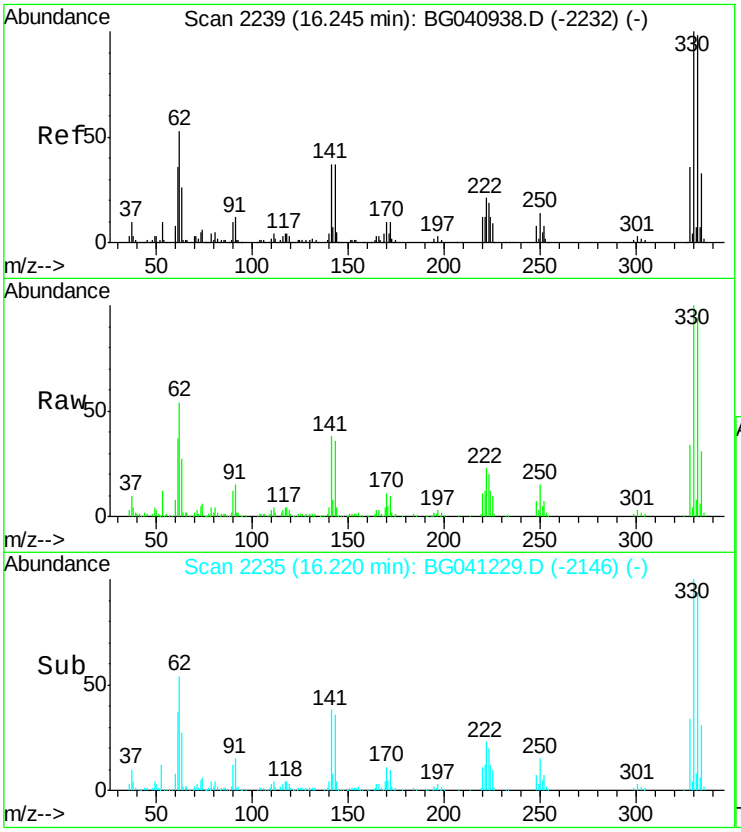




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:164 Resp: 112965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.3 | 83.0 | 124.4 |
| 160 | 45.9 | 35.6 | 53.4 |



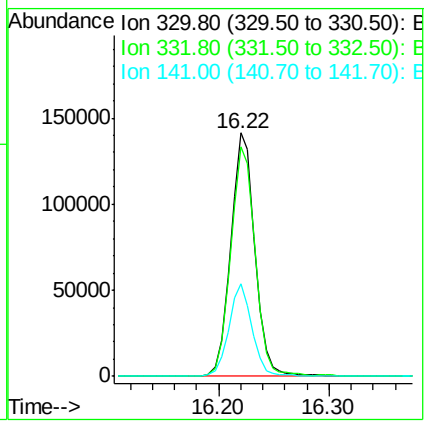


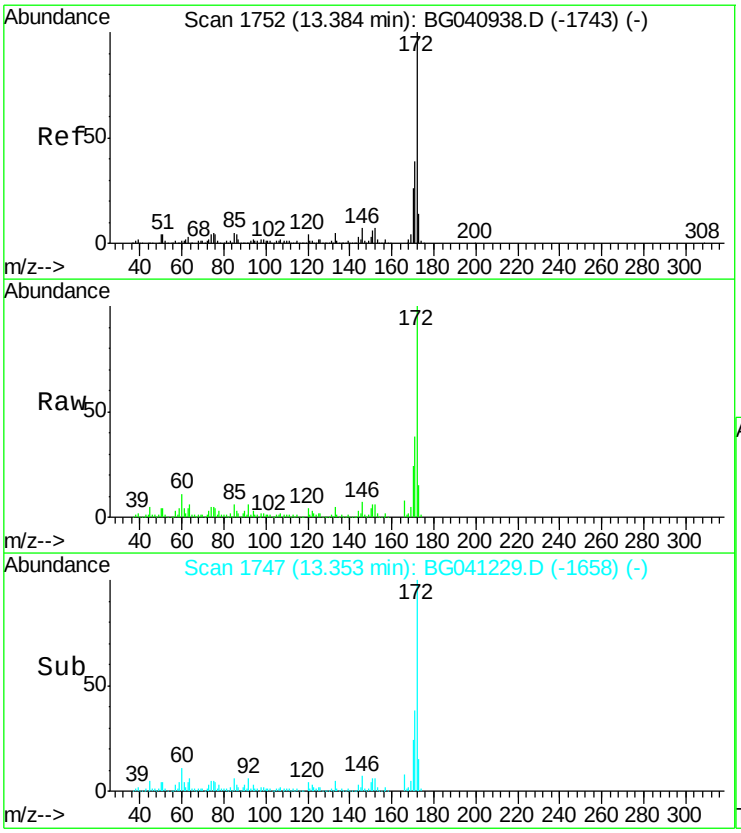

#42
2,4,6-Tribromophenol
Concen: 129.205 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:330 Resp: 216682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 78.5 | 117.7 |
| 141 | 36.5 | 28.7 | 43.1 |

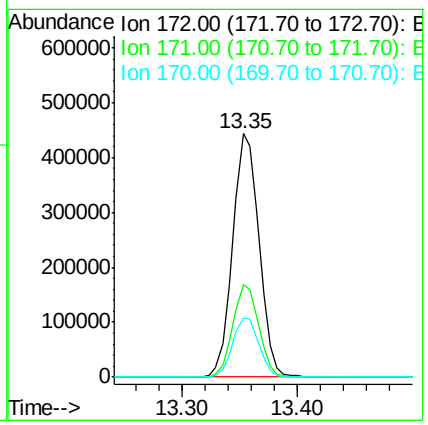


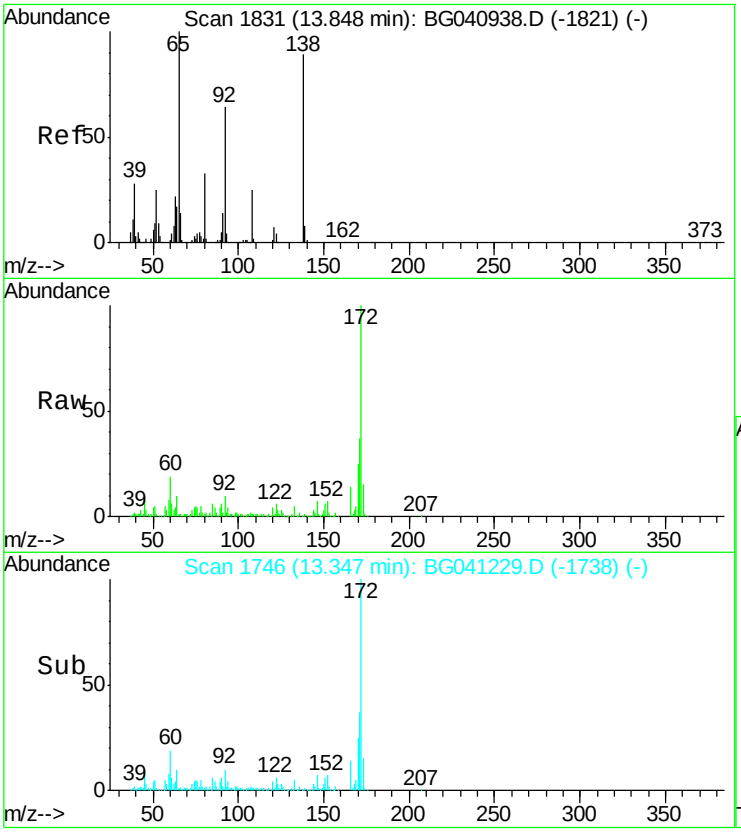




#45
2-Fluorobiphenyl
Concen: 89.712 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:172 Resp: 703720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.9 | 31.1 | 46.7 |
| 170 | 24.5 | 20.5 | 30.7 |



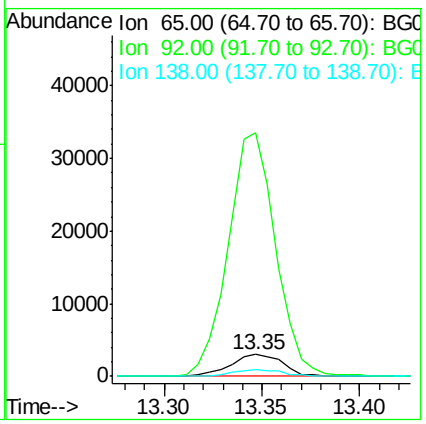


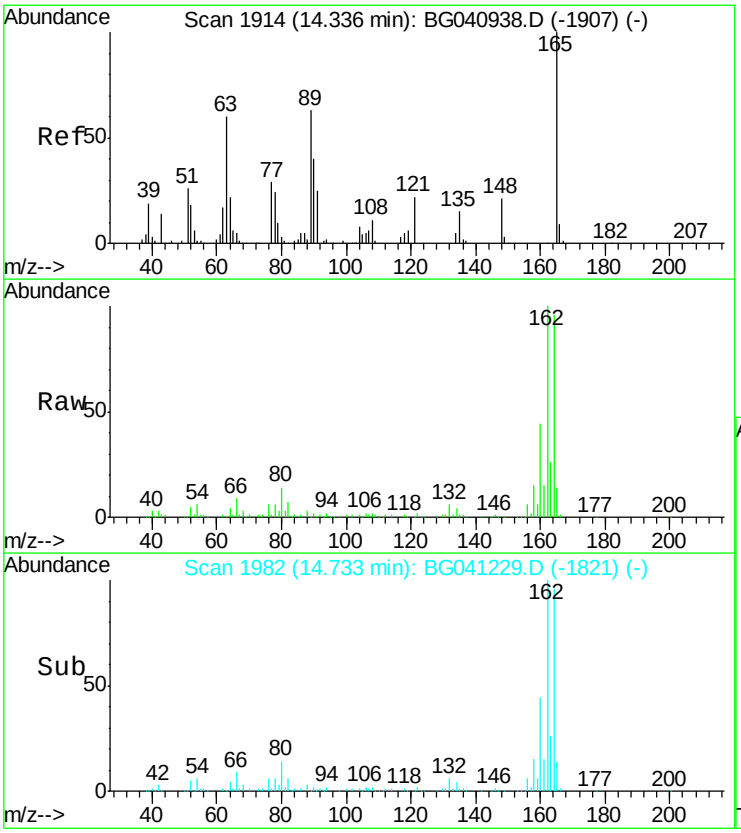

#48
2-Nitroaniline
Concen: 2.164 ng
RT: 13.35 min Scan# 1746
Delta R.T. -0.48 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion: 65 Resp: 5573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 1100.7 | 51.0 | 76.6# |
| 138 | 31.2 | 71.2 | 106.8# |

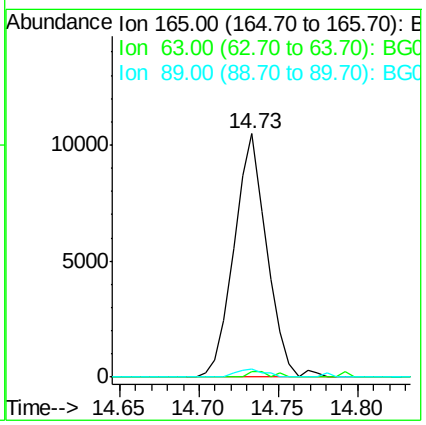


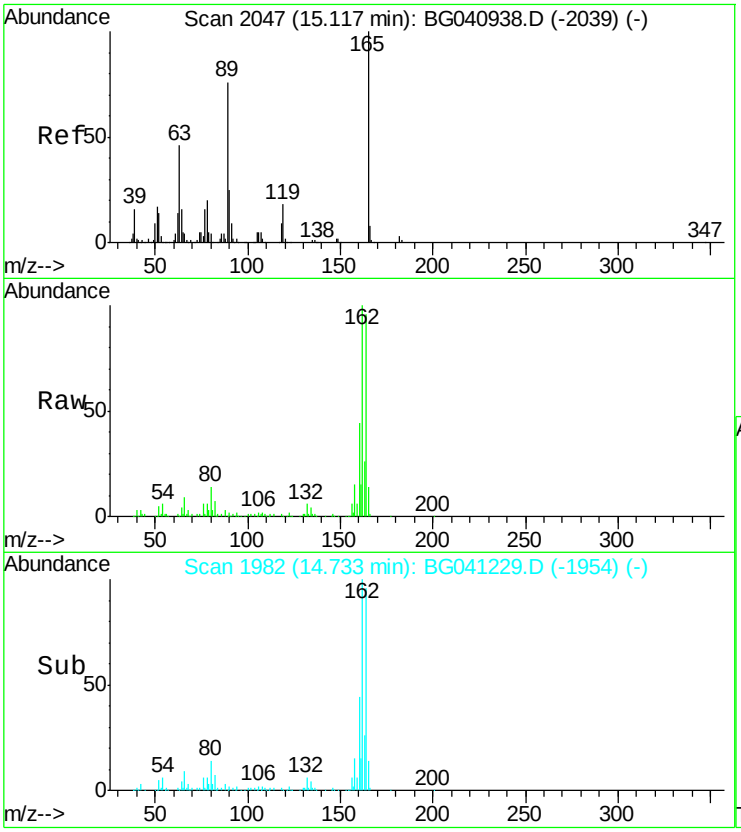




#51
2,6-Dinitrotoluene
Concen: 7.239 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.42 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:165 Resp: 14926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.3 | 53.6 | 80.4# |
| 89 | 3.5 | 50.4 | 75.6# |



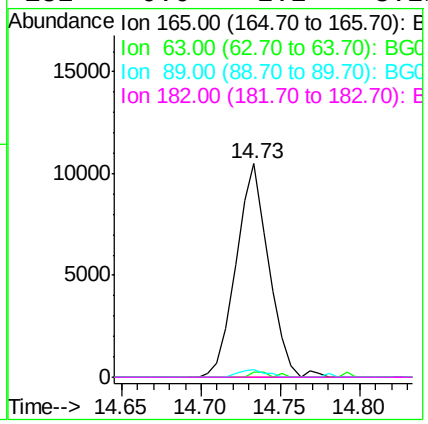


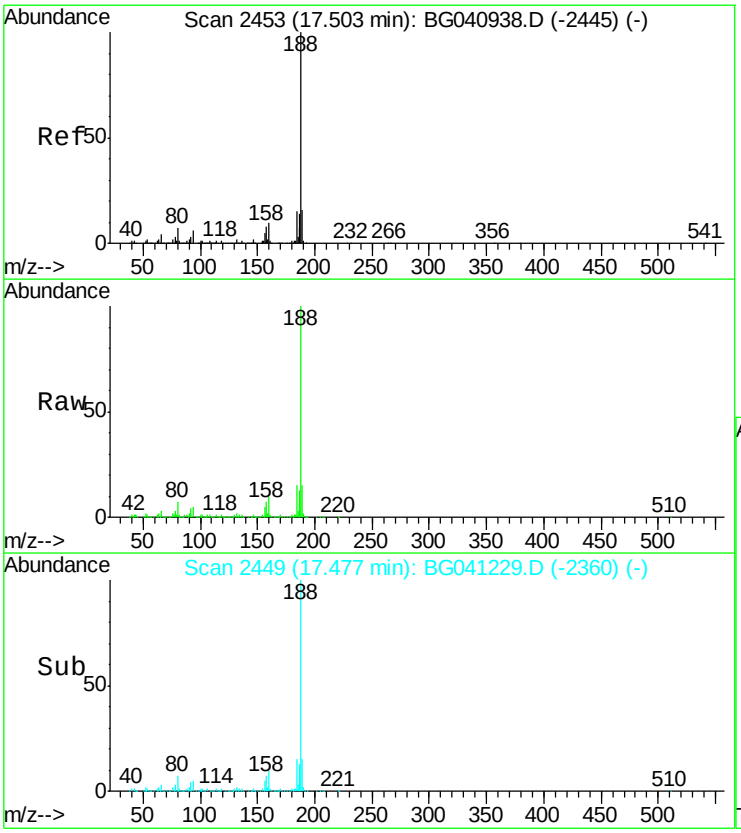

#57
2,4-Dinitrotoluene
Concen: 5.125 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.36 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:165 Resp: 14926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.3 | 37.3 | 55.9# |
| 89 | 3.5 | 61.0 | 91.6# |
| 182 | 0.0 | 2.2 | 3.2# |

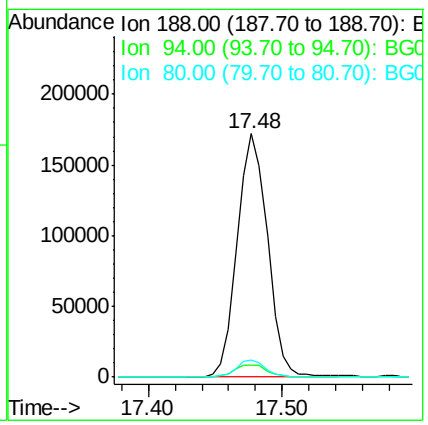


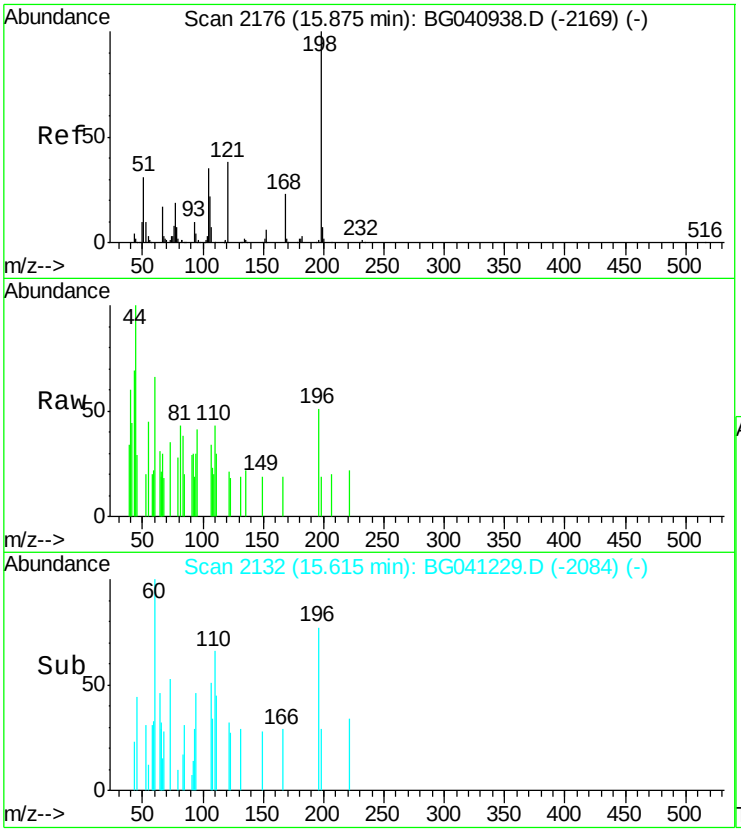




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:188 Resp: 270413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.8 | 4.7 | 7.1 |
| 80 | 6.8 | 5.8 | 8.8 |



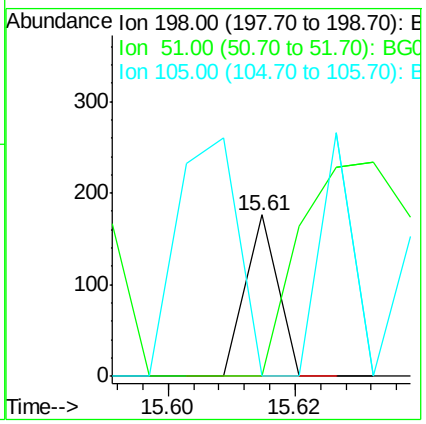


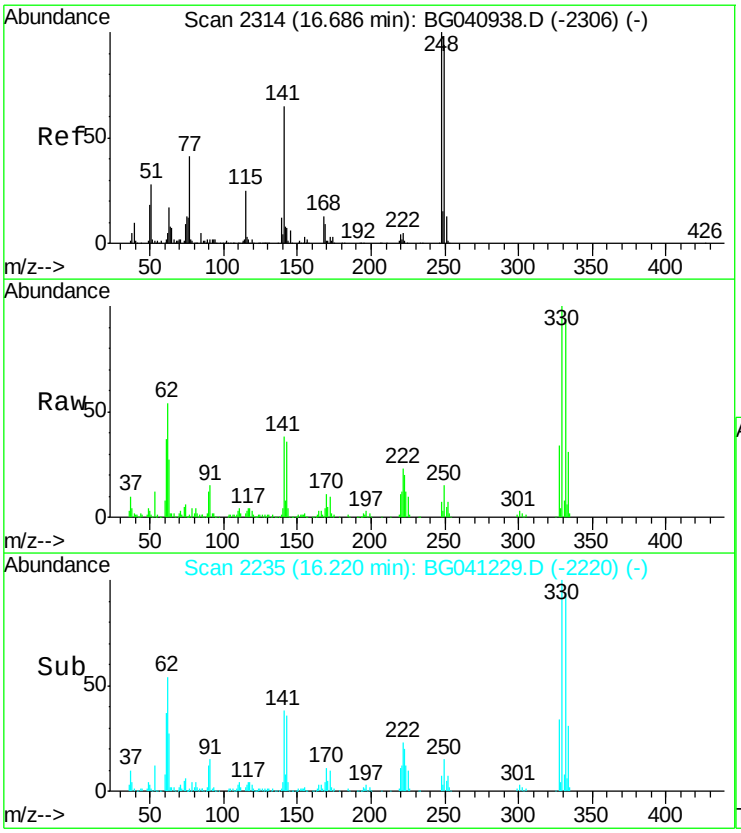

#65
4,6-Dinitro-2-methylphenol
Concen: 8.625 ng
RT: 15.61 min Scan# 2132
Delta R.T. -0.25 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:198 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 0.0 | 21.6 | 61.6# |
| 105 | 0.0 | 17.5 | 57.5# |

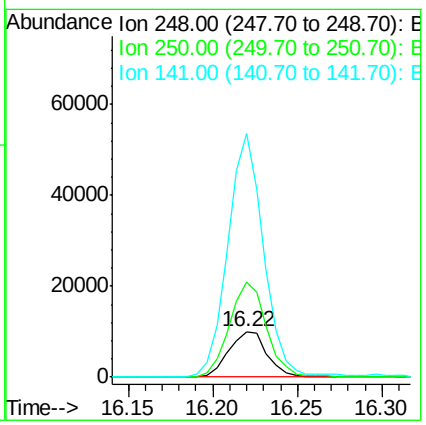


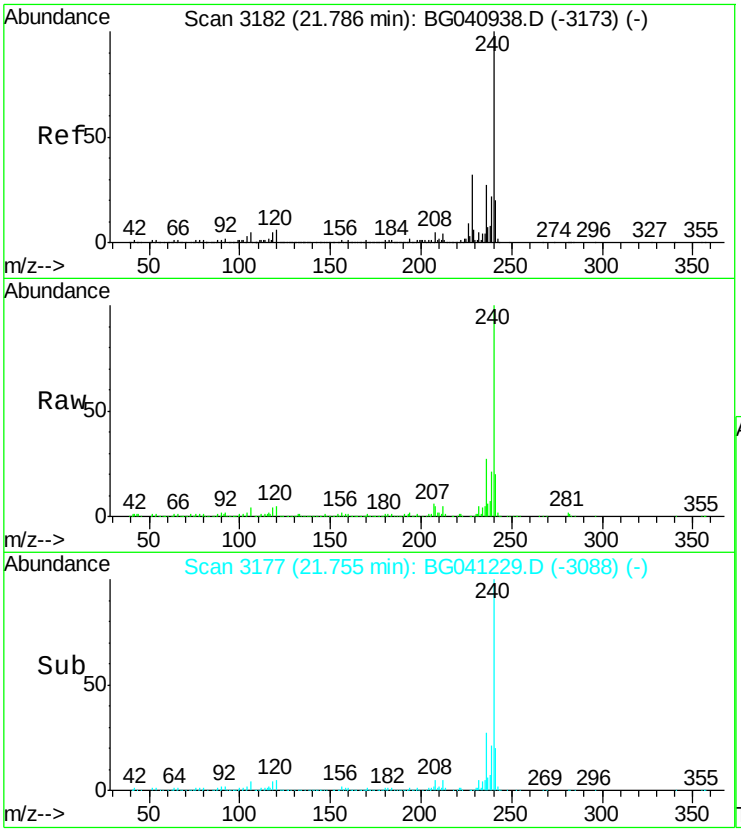




#67
4-Bromophenyl-phenylether
Concen: 4.305 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.44 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:248 Resp: 15712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 208.9 | 75.0 | 112.4# |
| 141 | 532.0 | 52.4 | 78.6# |



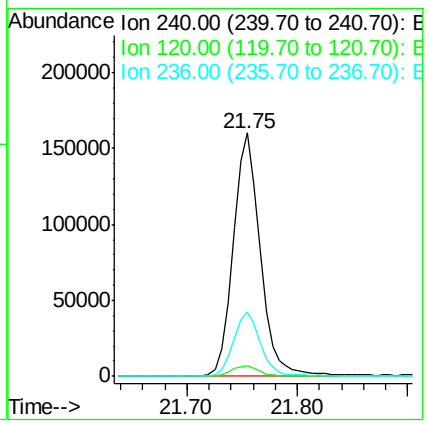


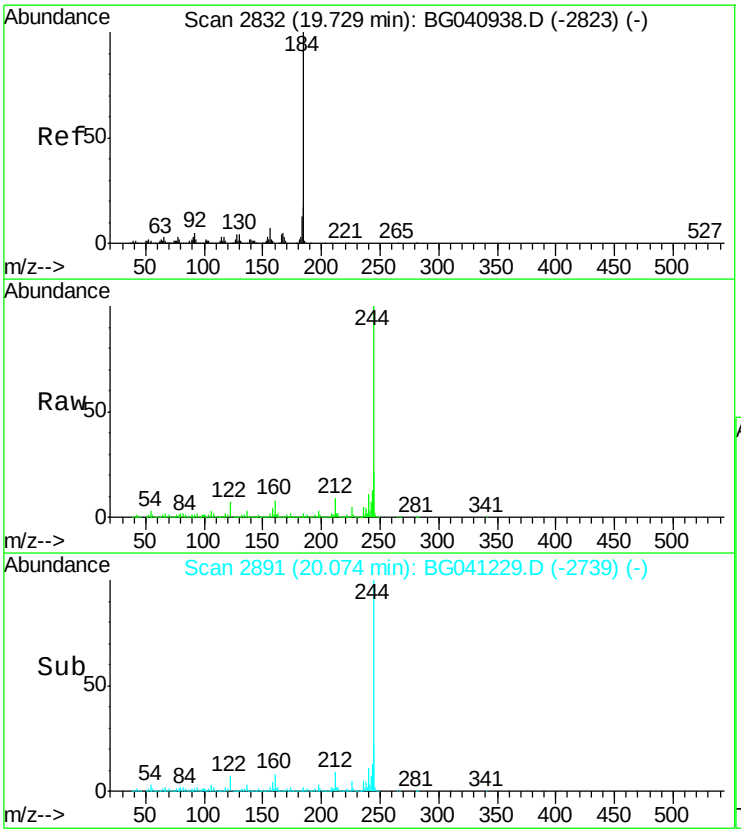

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:240 Resp: 275191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.6 | 4.5 | 6.7 |
| 236 | 26.6 | 21.3 | 31.9 |

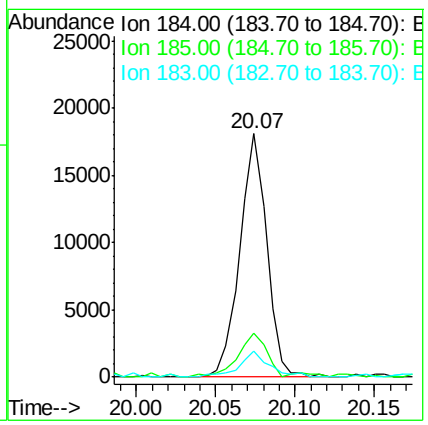


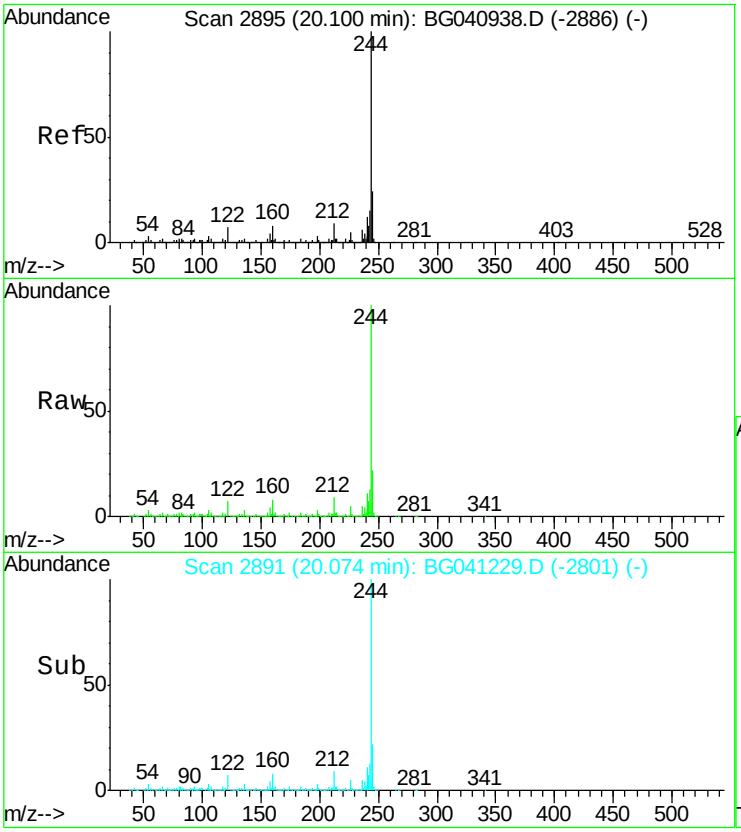




#77
Benzidine
Concen: 3.247 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:184 Resp: 21314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.9 | 13.3 | 19.9 |
| 183 | 10.5 | 10.7 | 16.1# |



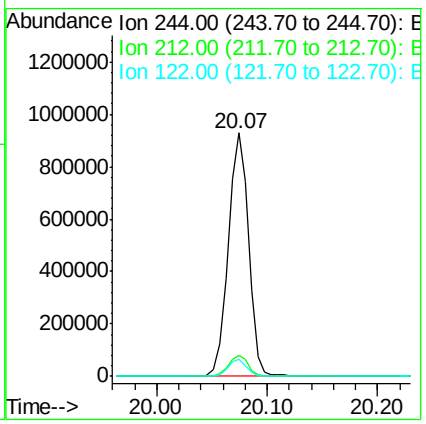


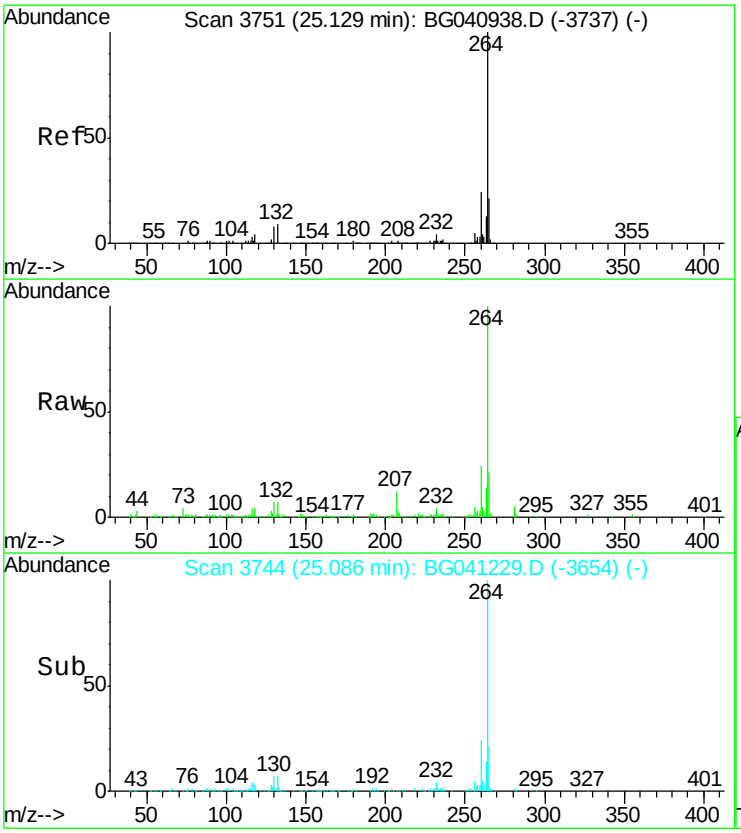

#79
Terphenyl-d14
Concen: 92.745 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

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

Tgt Ion:244 Resp: 1202561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.8 | 7.0 | 10.4 |
| 122 | 6.9 | 5.4 | 8.0 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG041229.D
Acq: 13 Jun 2019 18:53

Tgt Ion:264 Resp: 255268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.0 | 28.4 |
| 265 | 21.3 | 17.0 | 25.4 |