Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: May 10 15:16:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 65197 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.96 | 136 | 273158 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 203583 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.51 | 188 | 483738 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.80 | 240 | 461941 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 25.16 | 264 | 502504 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 531370 | 143.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 809139 | 142.09 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 581647 | 98.39 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 394803 | 141.09 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 1042329 | 73.94 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.11 | 244 | 1443193 | 69.21 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.28 | 77 | 2140 | Below Cal | | # | 28 |
| 19) n-Nitroso-di-n-propylamine | 9.32 | 70 | 84784 | 16.539 | ng | # | 75 |
| 50) Dimethylphthalate | 14.21 | 163 | 140171 | 8.229 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.77 | 165 | 27023 | 5.982 | ng | # | 15 |
| 65) 4,6-Dinitro-2-methylphenol | 16.09 | 198 | 87 | 7.132 | ng | # | 67 |
| 67) 4-Bromophenyl-phenylether | 16.26 | 248 | 30304 | 5.028 | ng | # | 1 |
| 71) Phenanthrene | 17.56 | 178 | 303135 | 11.634 | ng | | 98 |
| 75) Fluoranthene | 19.56 | 202 | 506427 | 15.597 | ng | | 96 |
| 77) Benzidine | 20.11 | 184 | 26312 | 2.080 | ng | | 94 |
| 78) Pyrene | 19.92 | 202 | 887426 | 30.651 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.78 | 228 | 302019 | 10.345 | ng | | 97 |
| 83) Chrysene | 21.84 | 228 | 374902 | 13.503 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 166317 | 4.954 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 24.08 | 252 | 339941 | 11.070 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 339941 | 11.854 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.84 | 252 | 242249 | 8.334 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.21 | 276 | 191416 | 6.539 | ng | # | 95 |

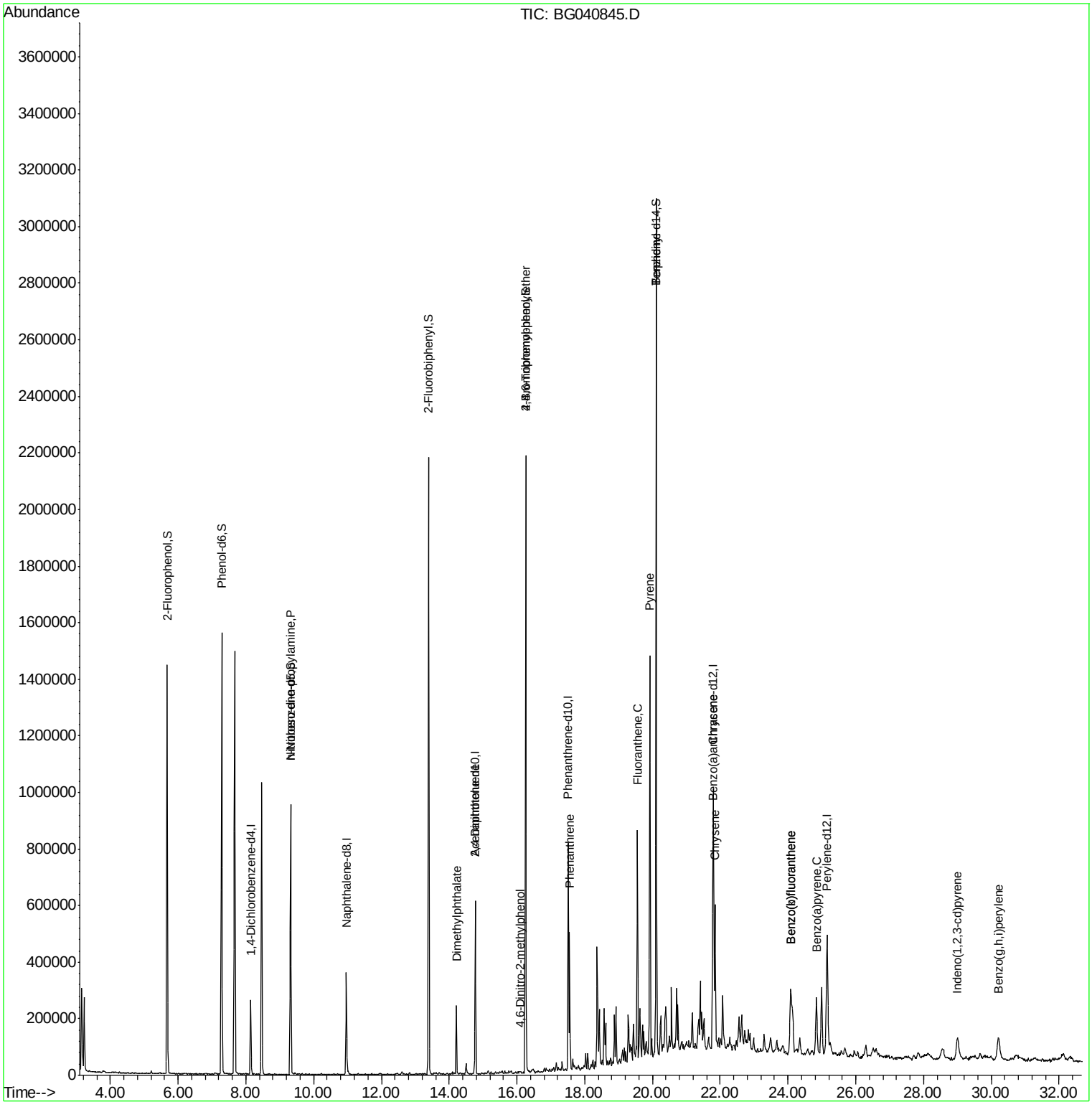
(#) = qualifier out of range (m) = manual integration (+) = signals summed

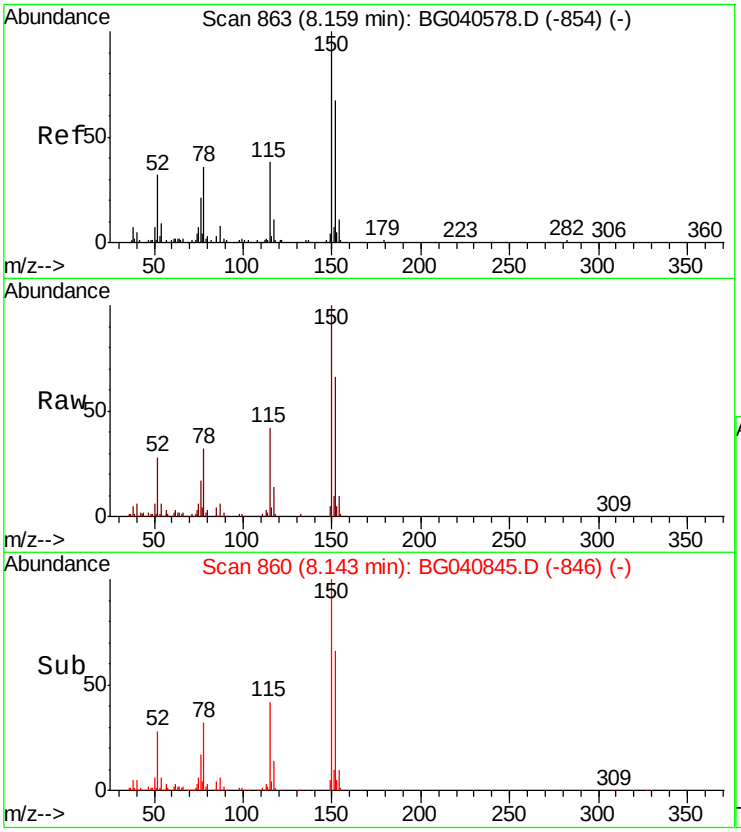
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040845.D
Acq On : 10 May 2019 10:55
Operator : HP/JU
Sample : K2764-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: May 10 15:16:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



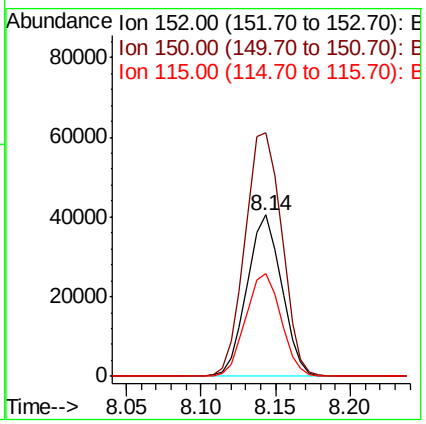


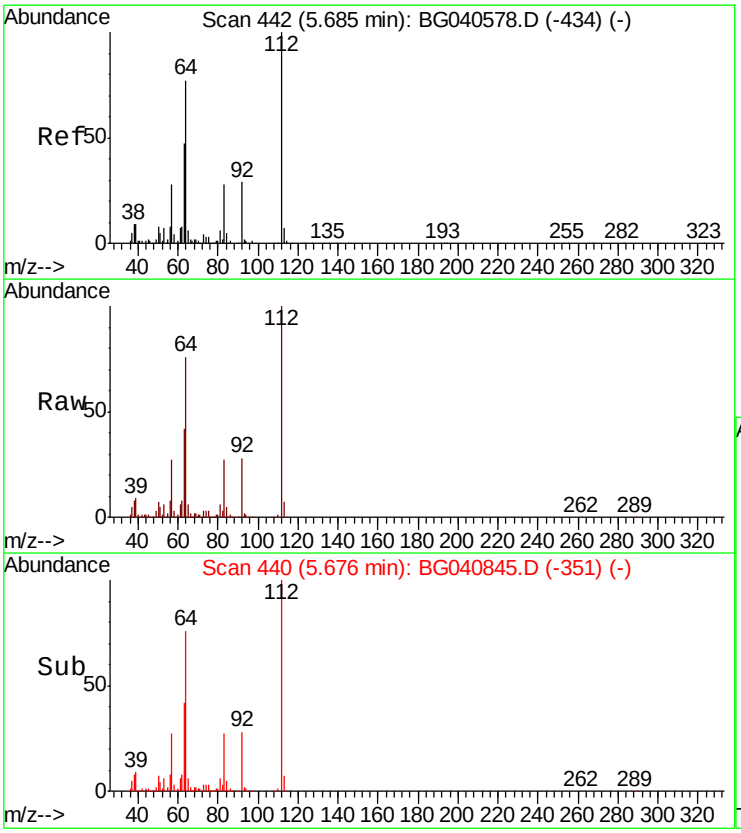

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:152 Resp: 65197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.8 | 120.2 | 180.2 |
| 115 | 63.5 | 46.2 | 69.2 |

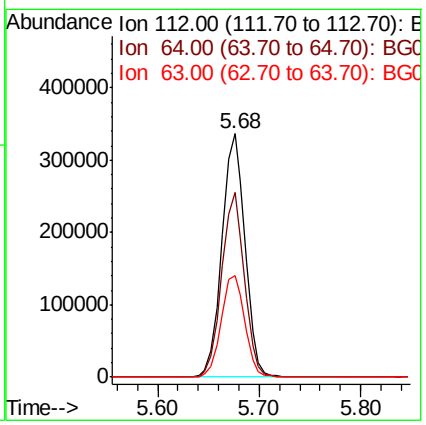


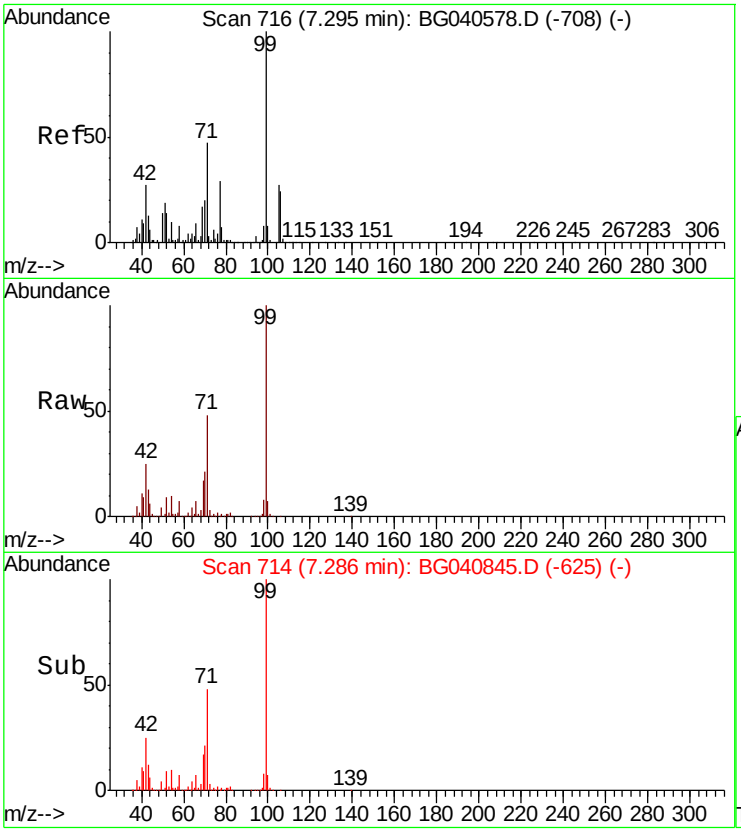




#5
2-Fluorophenol
Concen: 143.669 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:112 Resp: 531370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 75.7 | 61.4 | 92.0 |
| 63 | 41.7 | 37.8 | 56.6 |



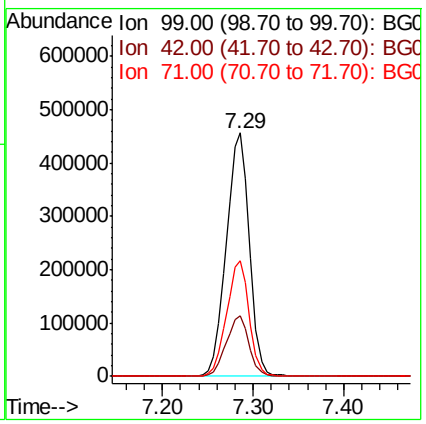


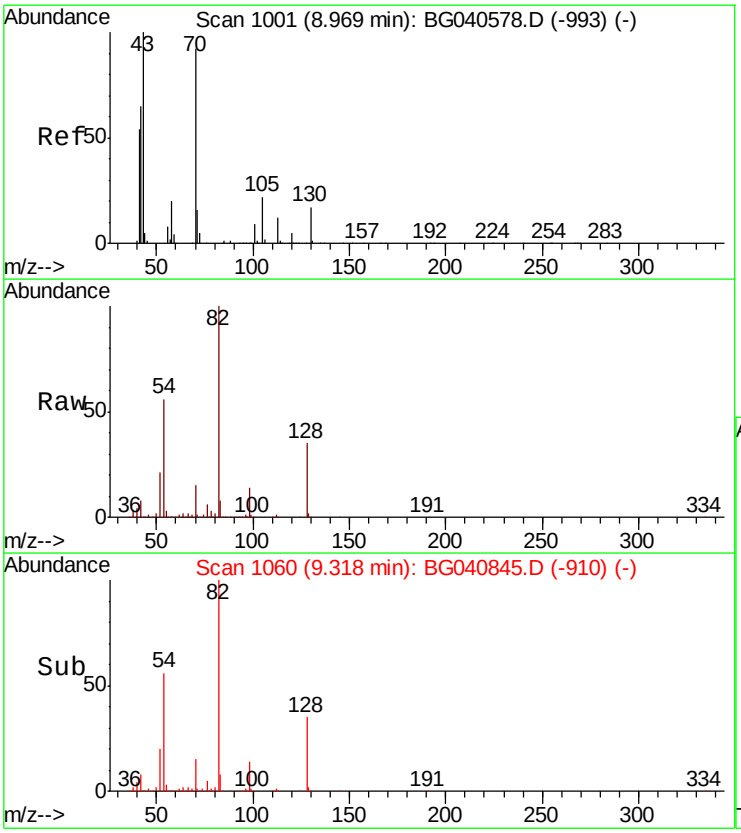

#7
Phenol-d6
Concen: 142.085 ng
RT: 7.29 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion: 99 Resp: 809139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.8 | 21.8 | 32.8 |
| 71 | 47.7 | 38.6 | 57.8 |

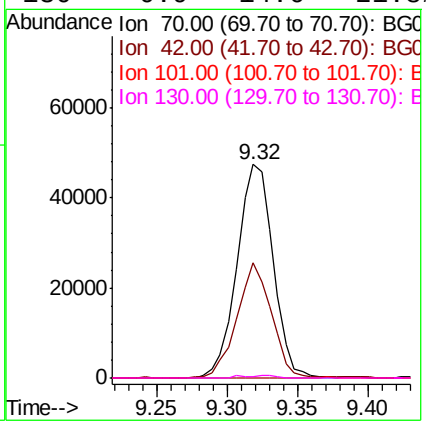


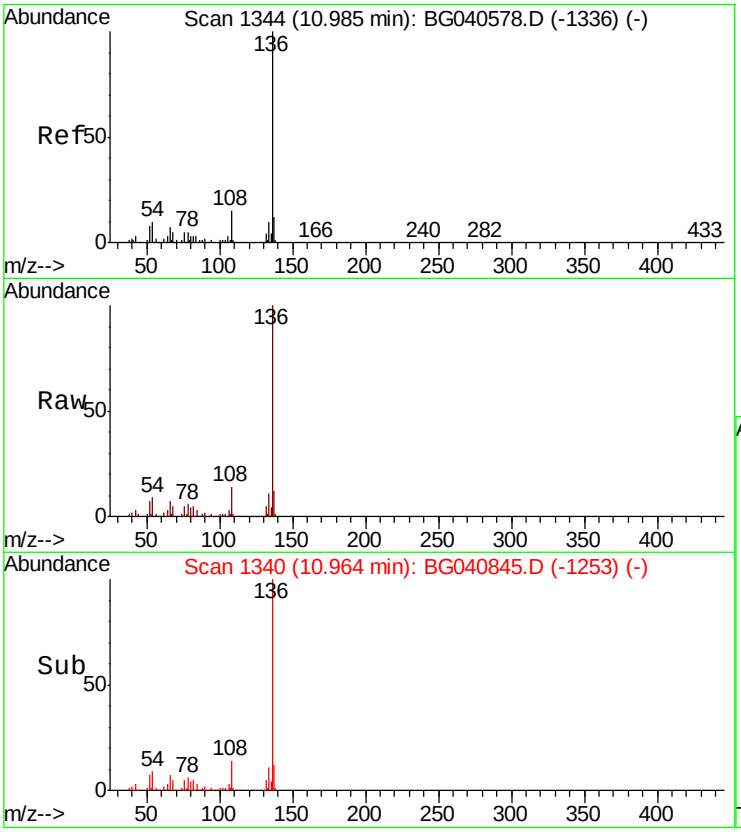




#19
n-Nitroso-di-n-propylamine
Concen: 16.539 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion: 70 Resp: 84784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.1 | 57.1 | 85.7# |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 0.9 | 14.6 | 21.8# |



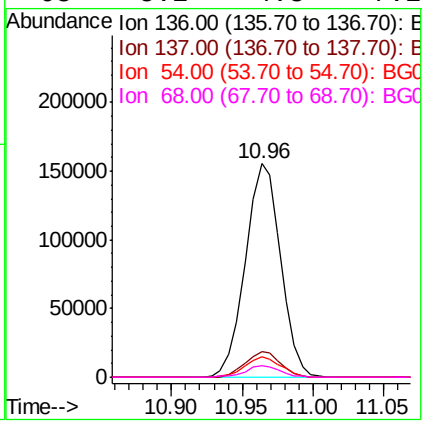


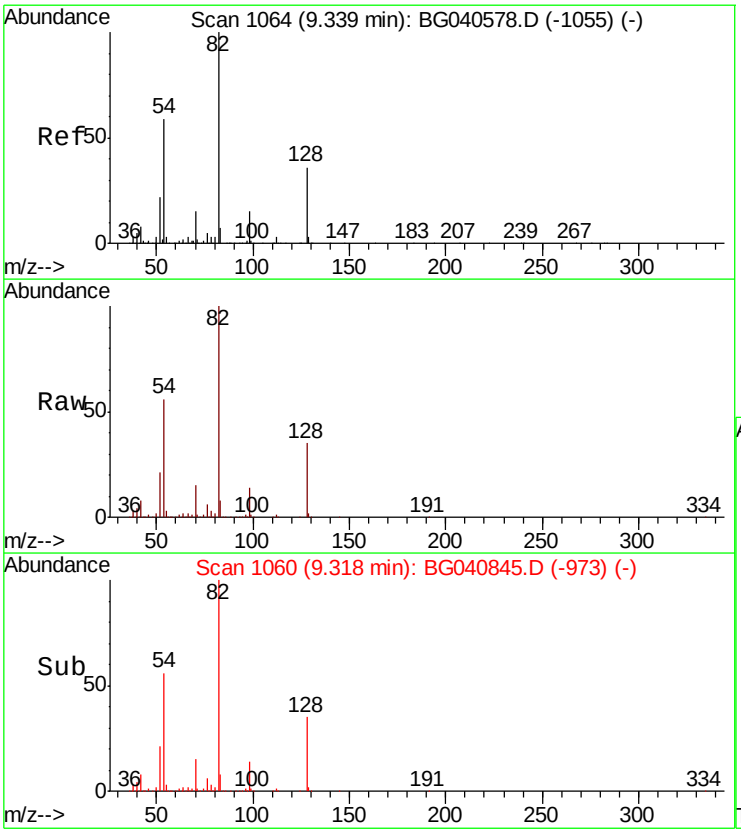

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:136 Resp: 273158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.9 | 9.7 | 14.5 |
| 54 | 9.3 | 8.6 | 12.8 |
| 68 | 5.2 | 4.8 | 7.2 |

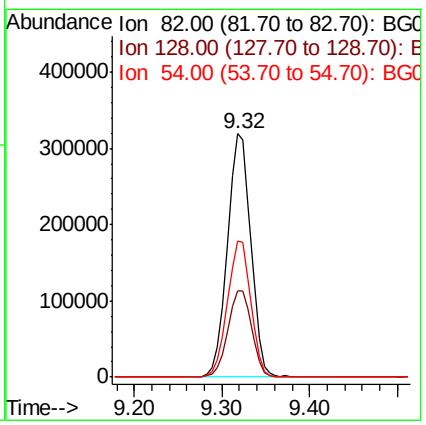


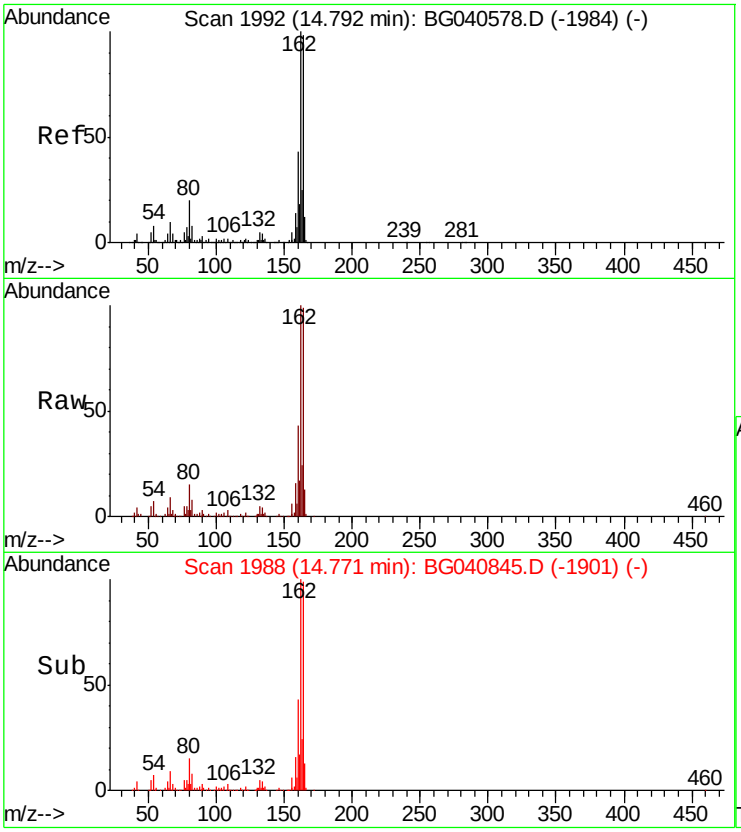




#23
Nitrobenzene-d5
Concen: 98.389 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion: 82 Resp: 581647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.3 | 28.9 | 43.3 |
| 54 | 56.1 | 47.2 | 70.8 |



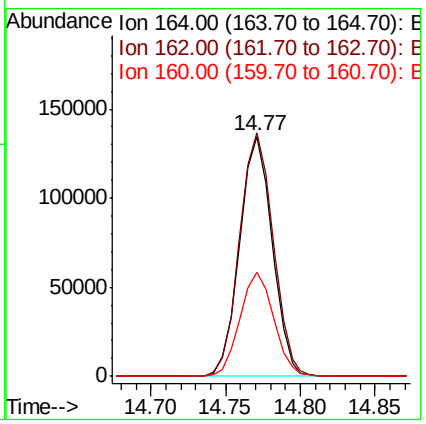


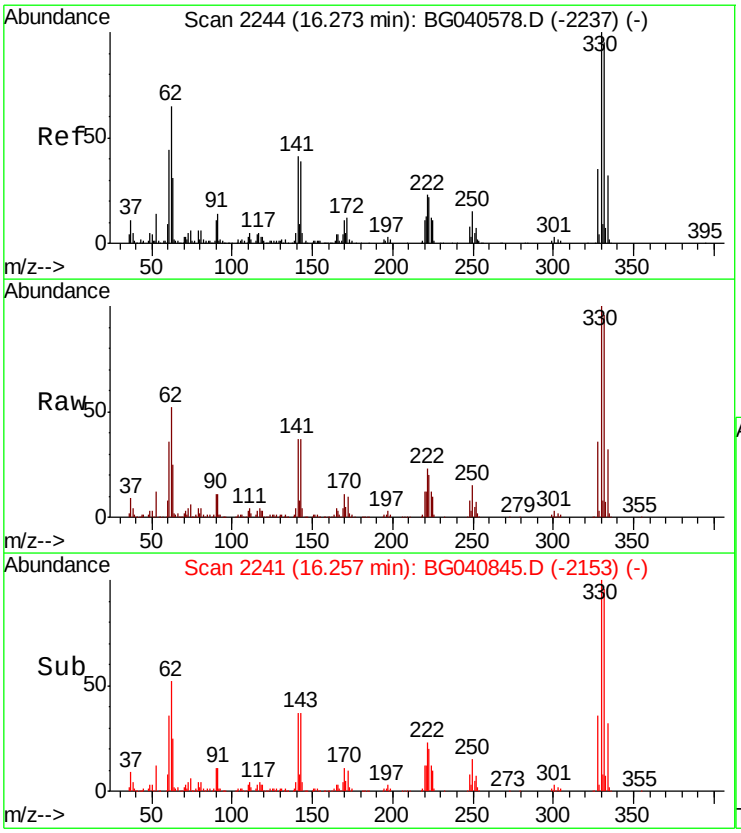

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:164 Resp: 203583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.9 | 122.9 |
| 160 | 43.6 | 35.4 | 53.2 |

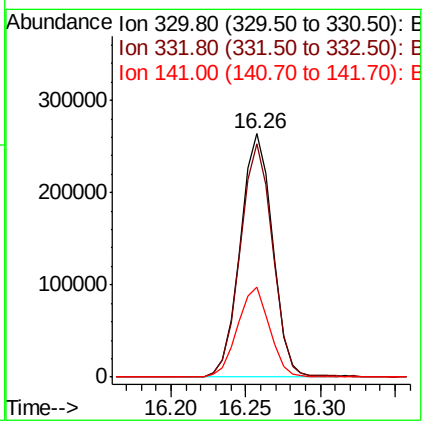


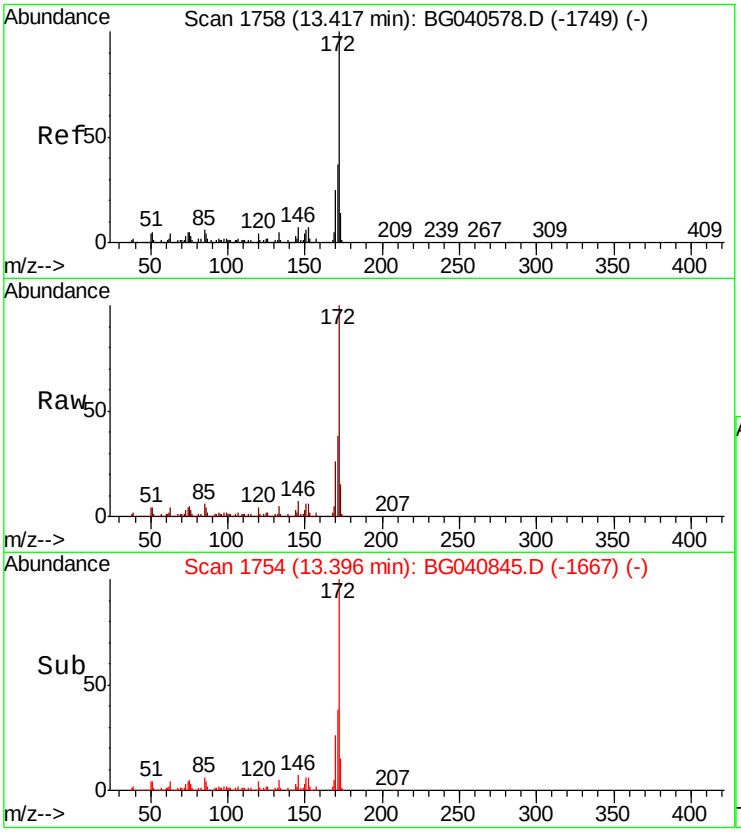




#42
2,4,6-Tribromophenol
Concen: 141.087 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:330 Resp: 394803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 75.9 | 113.9 |
| 141 | 36.8 | 32.4 | 48.6 |



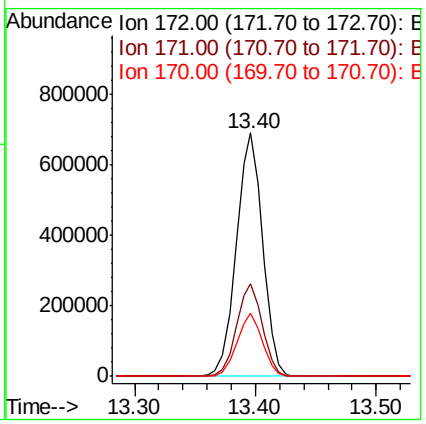


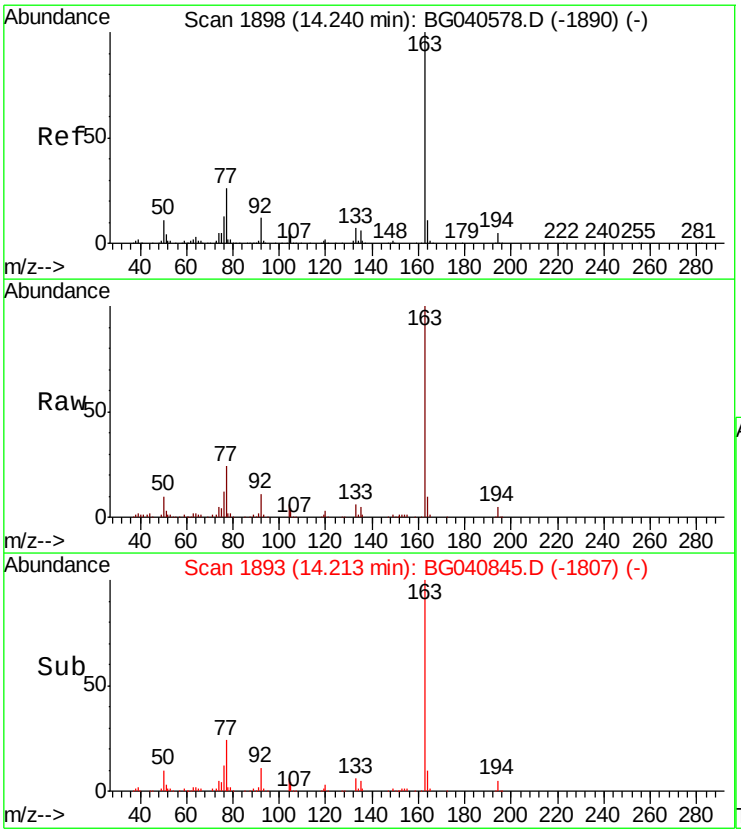

#45
2-Fluorobiphenyl
Concen: 73.942 ng
RT: 13.40 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:172 Resp: 1042329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.8 | 29.4 | 44.2 |
| 170 | 26.1 | 19.9 | 29.9 |

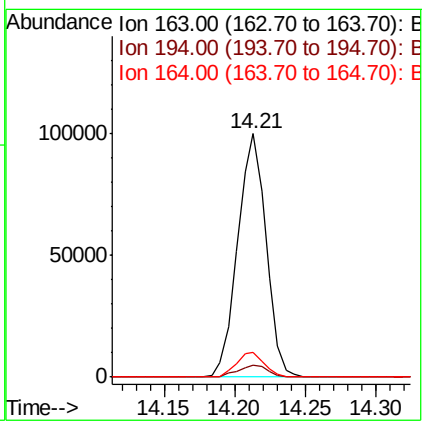


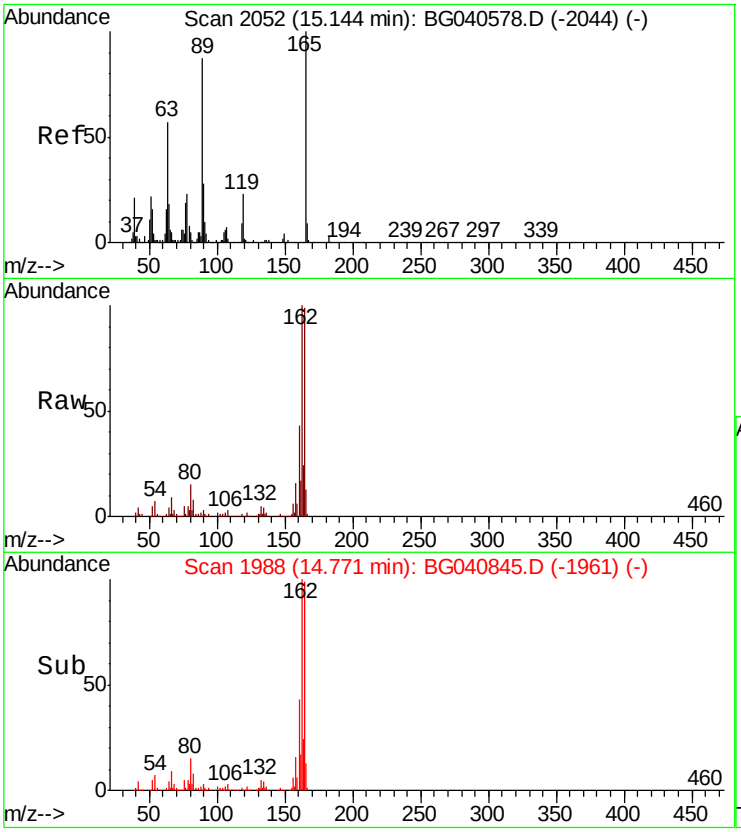




#50
Dimethylphthalate
Concen: 8.229 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:163 Resp: 140171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.7 | 3.8 | 5.8 |
| 164 | 10.3 | 8.8 | 13.2 |



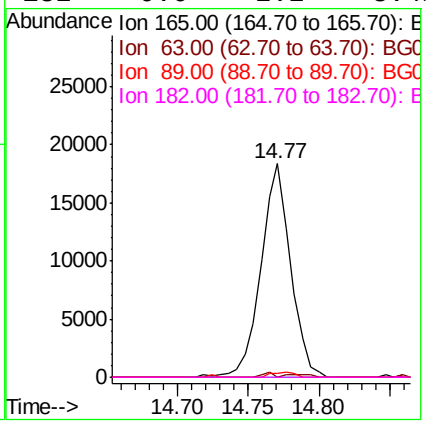


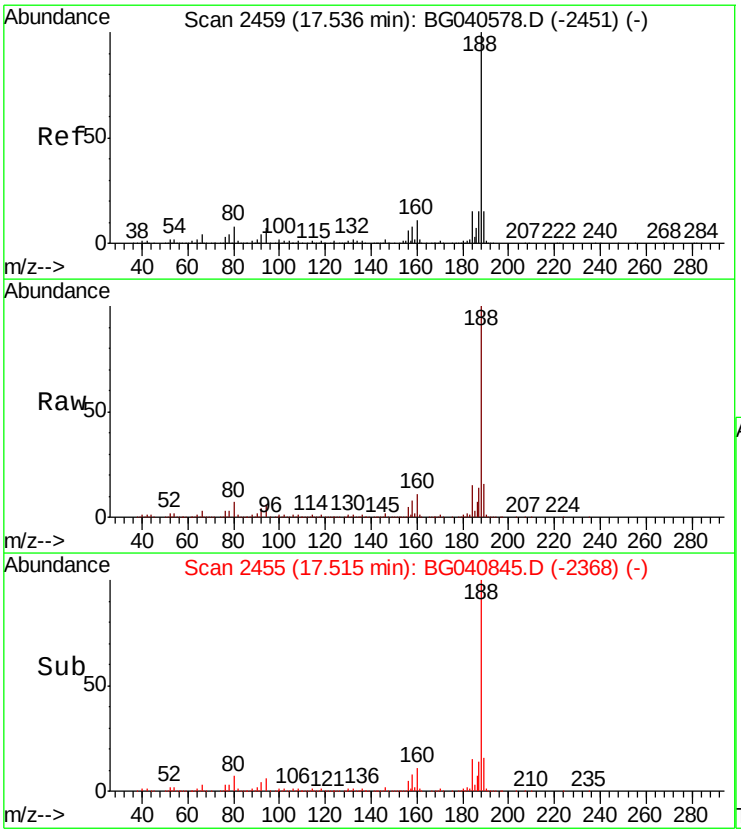

#57
2,4-Dinitrotoluene
Concen: 5.982 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:165 Resp: 27023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 45.8 | 68.8# |
| 89 | 1.9 | 69.4 | 104.2# |
| 182 | 0.0 | 2.2 | 3.4# |

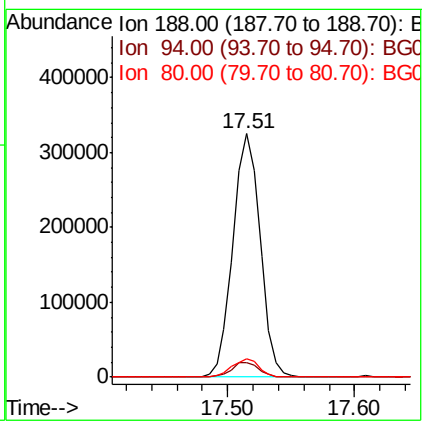


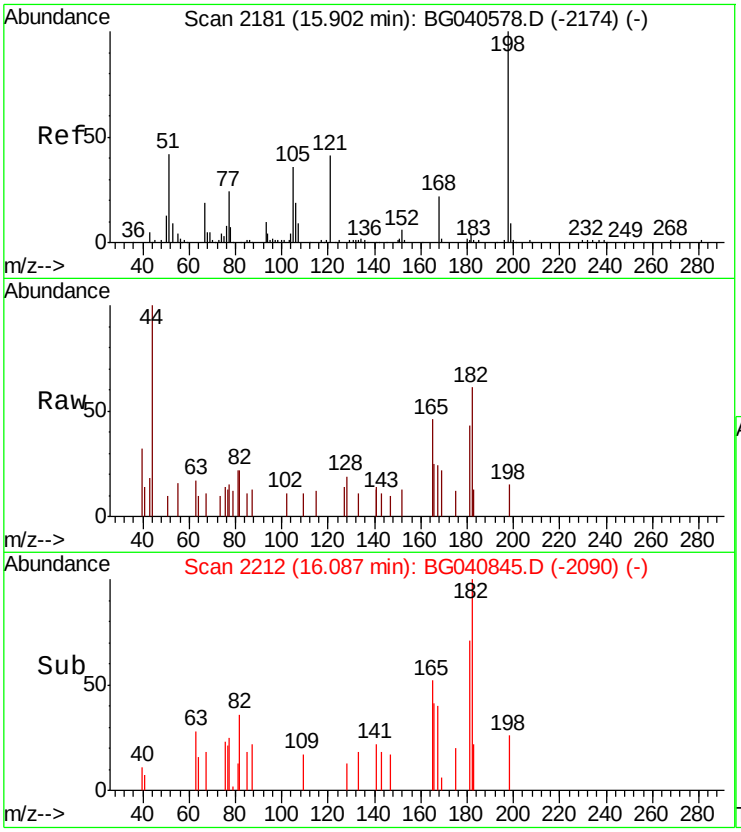




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:188 Resp: 483738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.9 | 5.6 | 8.4 |
| 80 | 7.4 | 6.4 | 9.6 |



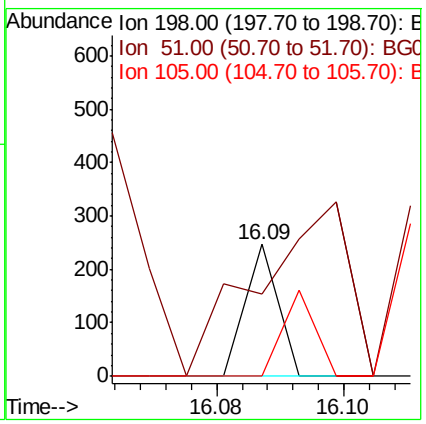


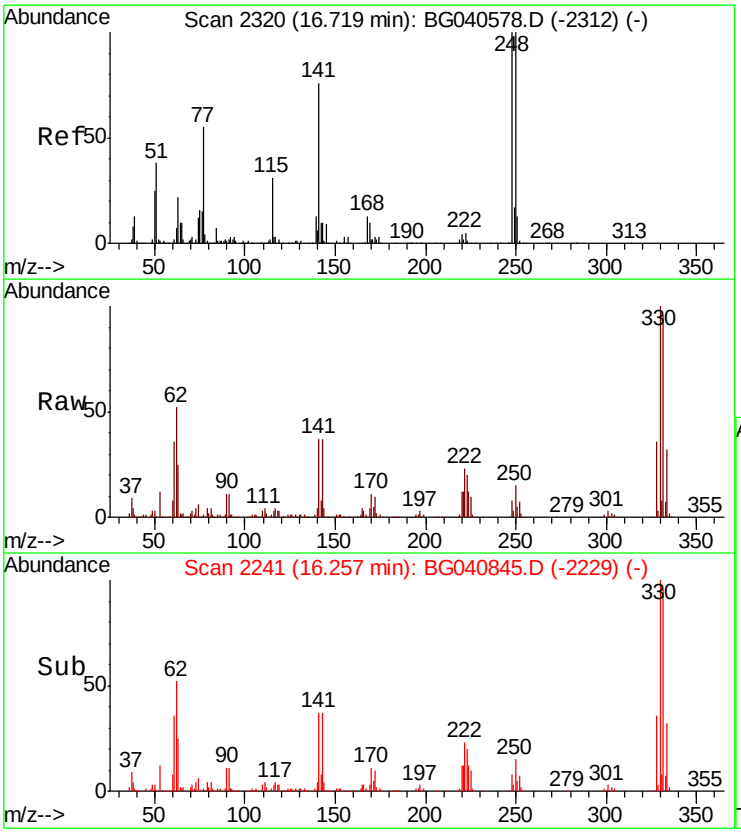

#65
4,6-Dinitro-2-methylphenol
Concen: 7.132 ng
RT: 16.09 min Scan# 2212
Delta R.T. 0.19 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:198 Resp: 87

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 61.9 | 35.9 | 75.9 |
| 105 | 0.0 | 21.2 | 61.2# |

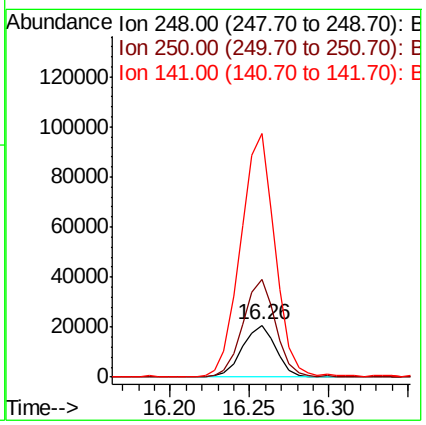


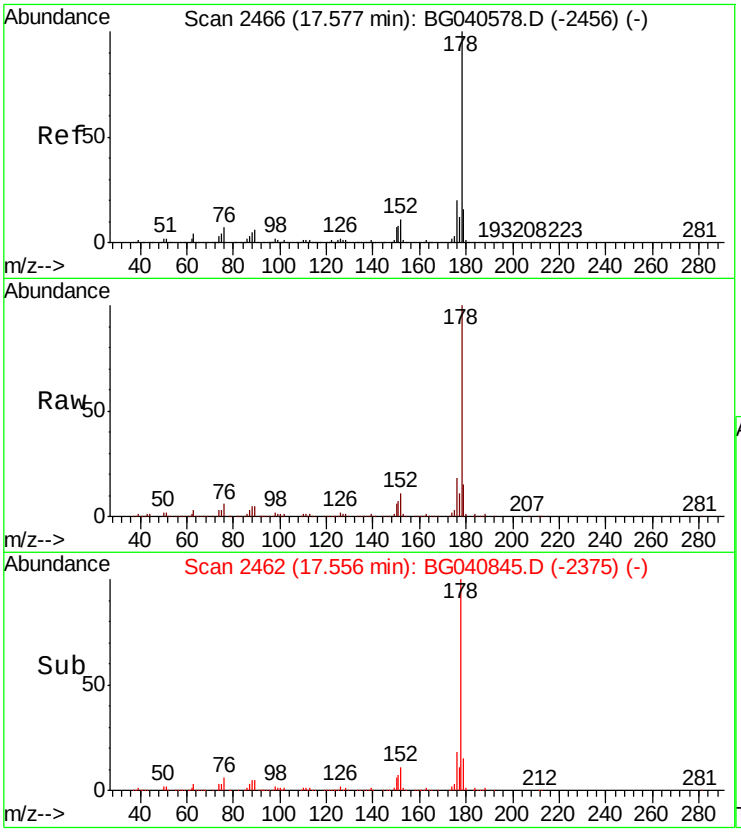




#67
4-Bromophenyl-phenylether
Concen: 5.028 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:248 Resp: 30304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.8 | 79.8 | 119.6# |
| 141 | 471.7 | 60.8 | 91.2# |



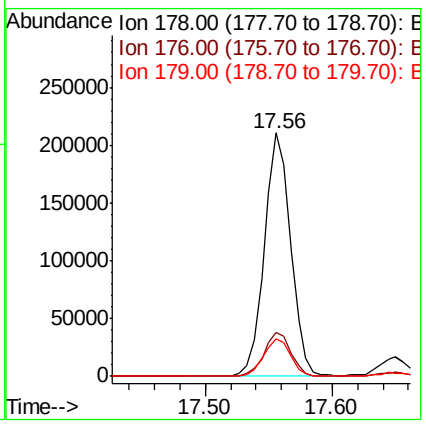


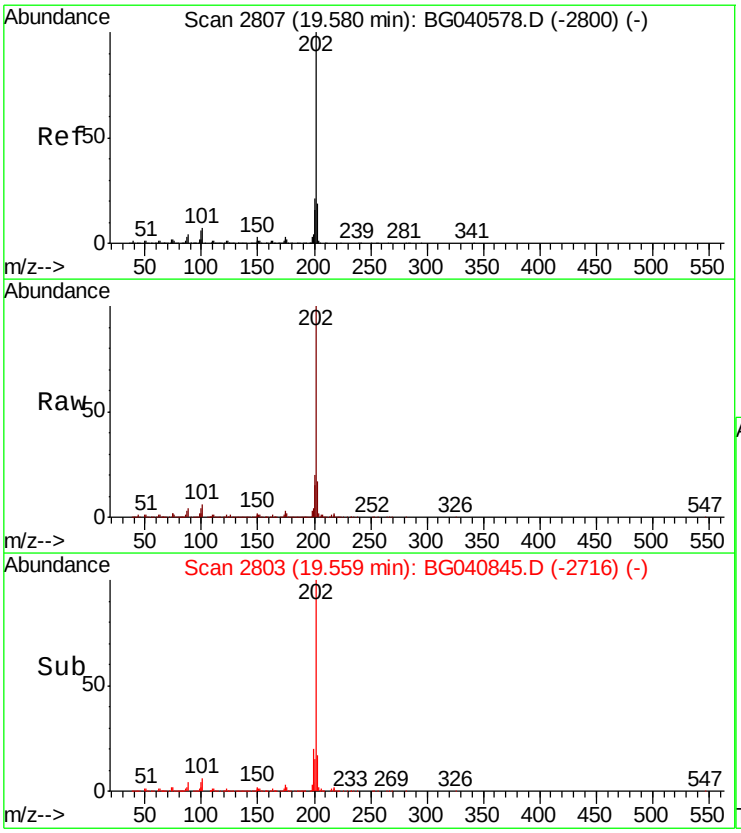

#71
Phenanthrene
Concen: 11.634 ng
RT: 17.56 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:178 Resp: 303135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.8 | 23.6 |
| 179 | 15.2 | 12.6 | 18.8 |

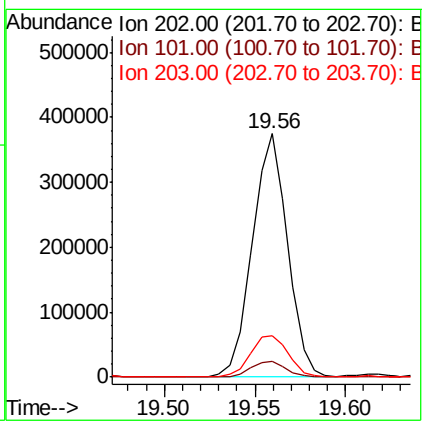


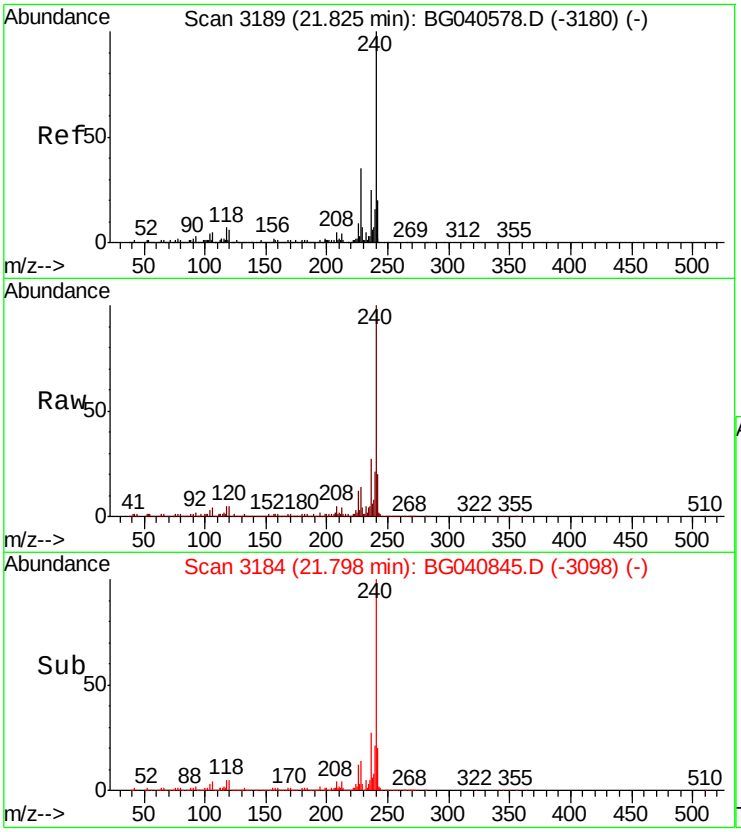




#75
Fluoranthene
Concen: 15.597 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:202 Resp: 506427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.3 | 0.0 | 27.5 |
| 203 | 17.2 | 0.0 | 39.3 |



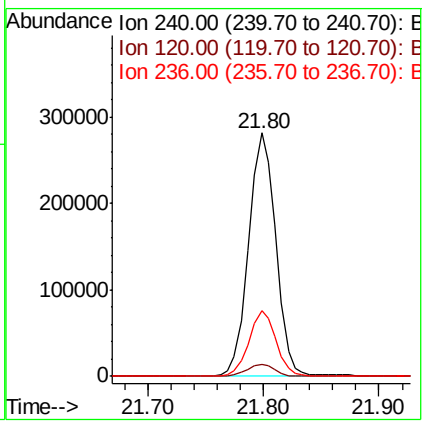


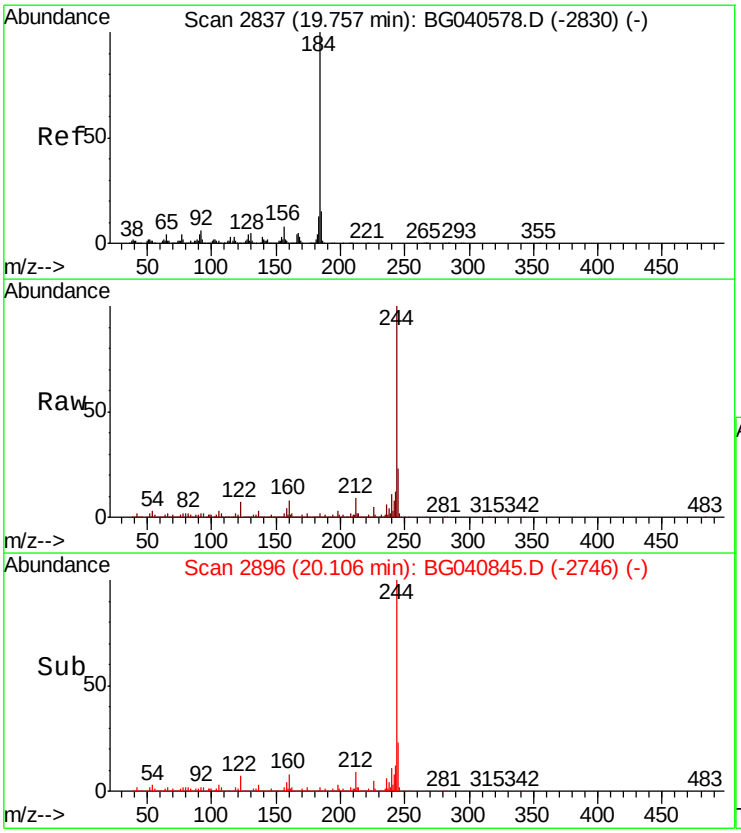

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:240 Resp: 461941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.1 | 5.0 | 7.6 |
| 236 | 27.2 | 20.3 | 30.5 |

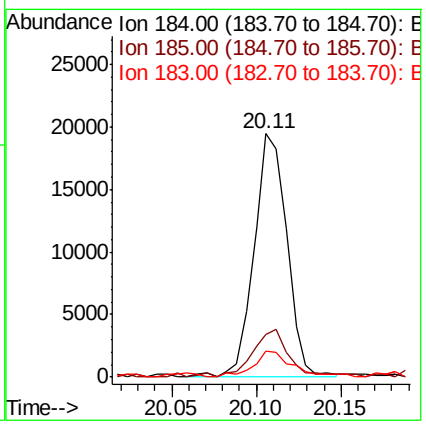


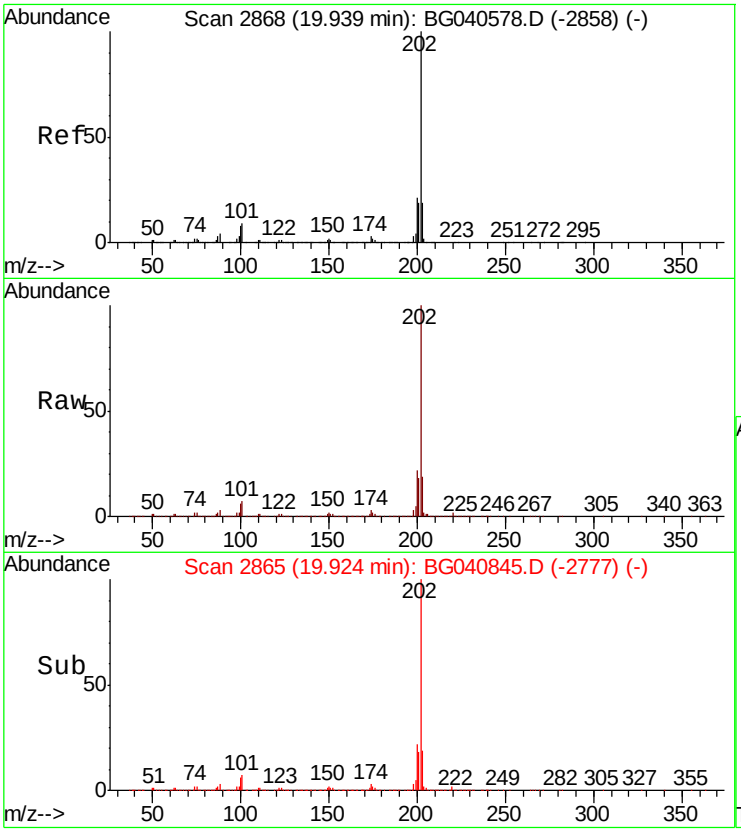




#77
Benzidine
Concen: 2.080 ng
RT: 20.11 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:184 Resp: 26312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.6 | 11.8 | 17.8 |
| 183 | 10.8 | 10.2 | 15.2 |



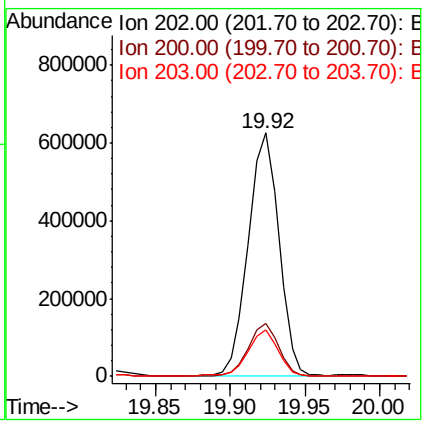


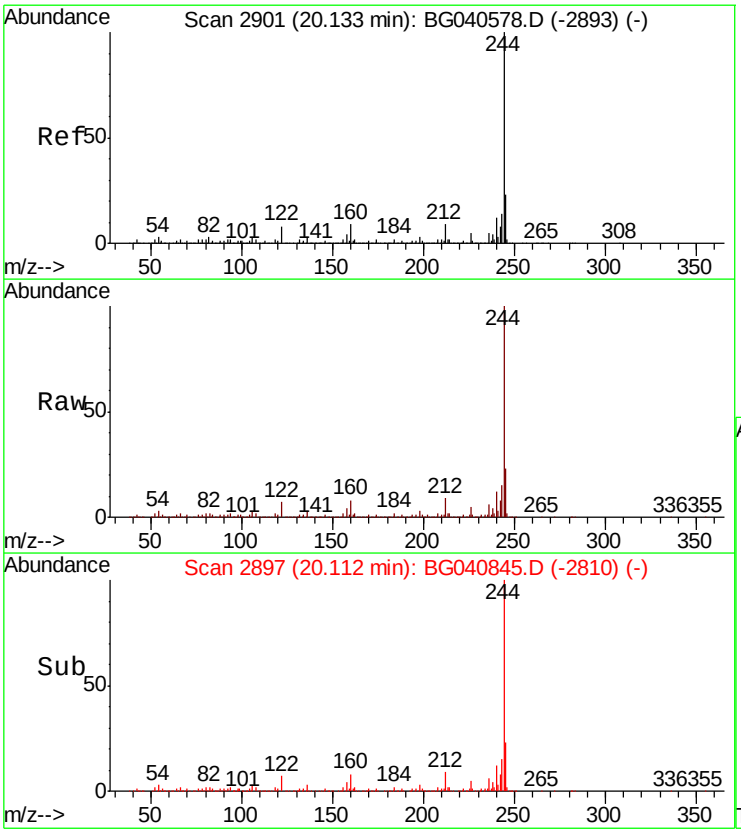

#78
Pyrene
Concen: 30.651 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:202 Resp: 887426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 17.2 | 25.8 |
| 203 | 19.0 | 15.0 | 22.4 |

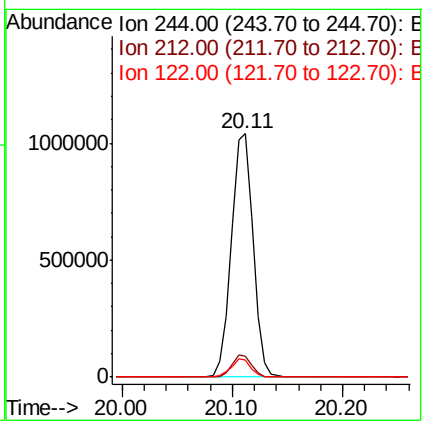


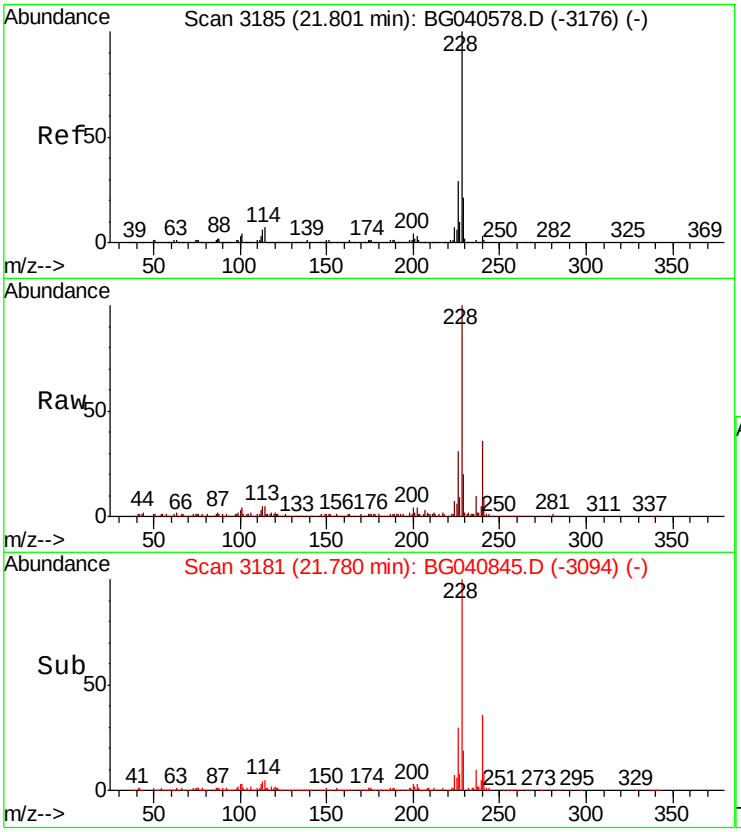




#79
Terphenyl-d14
Concen: 69.214 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:244 Resp: 1443193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.8 | 7.2 | 10.8 |
| 122 | 7.1 | 6.6 | 10.0 |



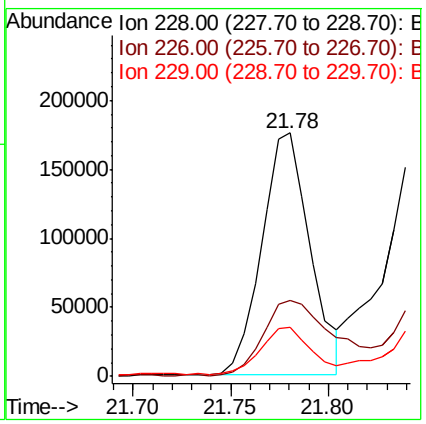


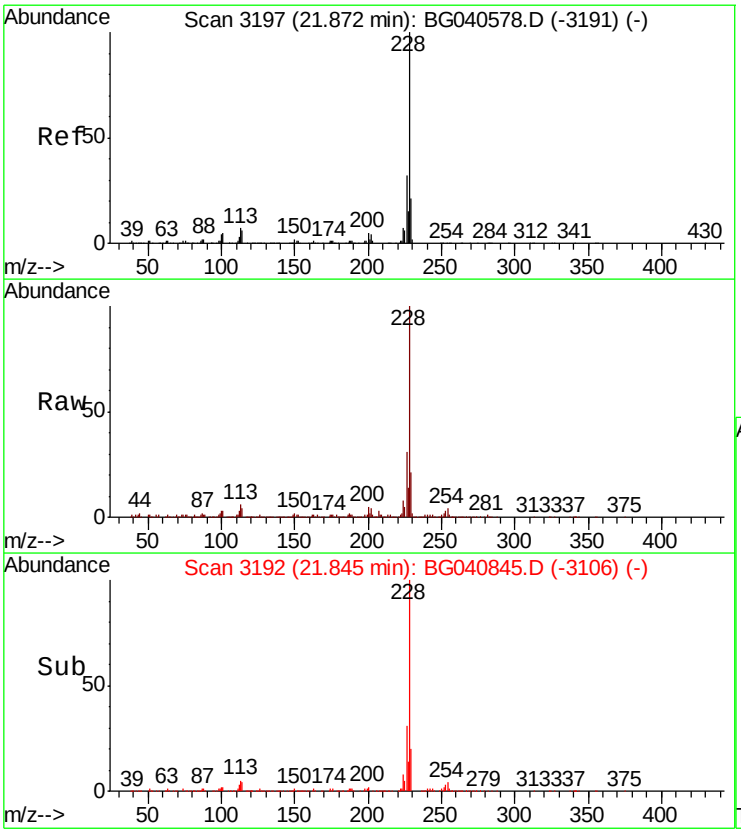

#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.02 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:228 Resp: 302019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 23.1 | 34.7 |
| 229 | 20.2 | 17.0 | 25.4 |

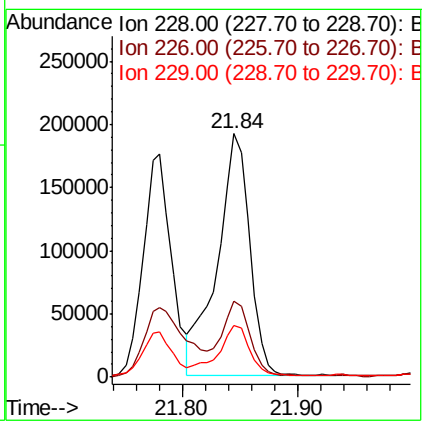


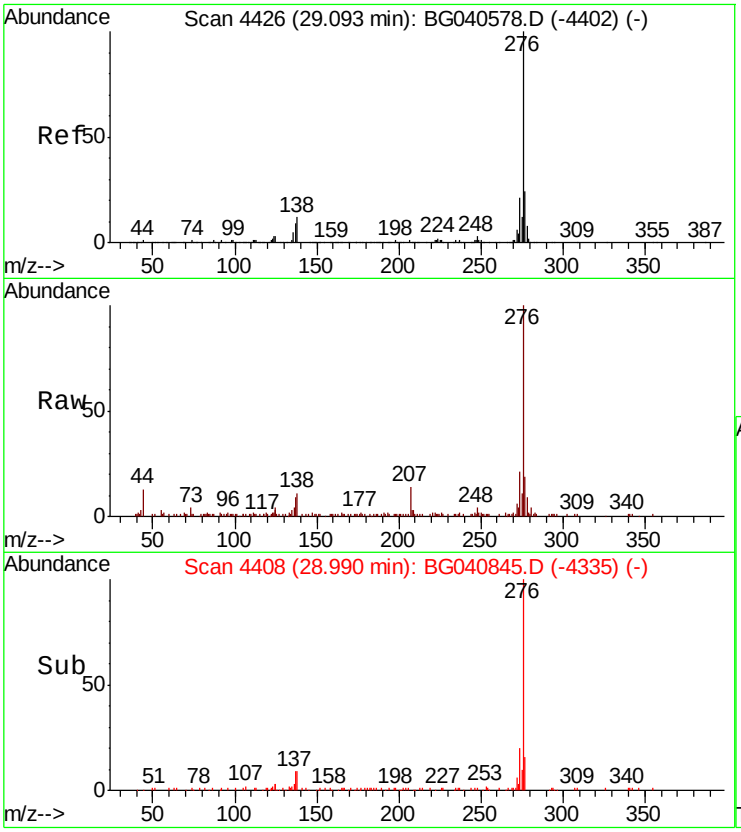




#83
Chrysene
Concen: 13.503 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.03 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:228 Resp: 374902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 25.5 | 38.3 |
| 229 | 21.4 | 16.8 | 25.2 |



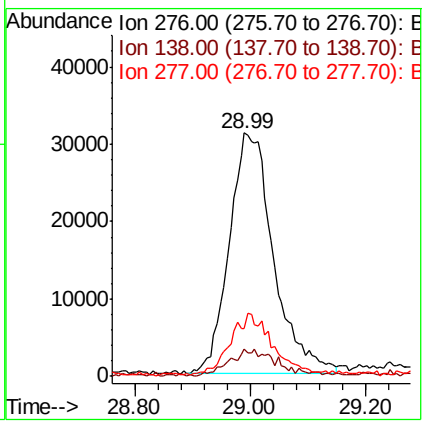


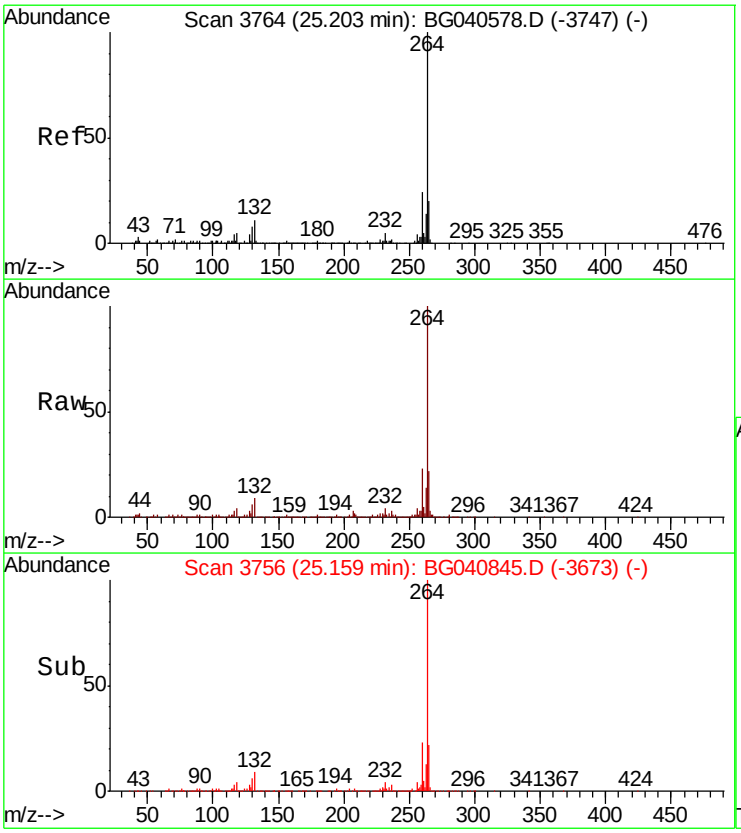

#86
Indeno(1,2,3-cd)pyrene
Concen: 4.954 ng
RT: 28.99 min Scan# 4408
Delta R.T. -0.10 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:276 Resp: 166317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.2 | 9.8 | 14.6 |
| 277 | 23.6 | 17.3 | 25.9 |

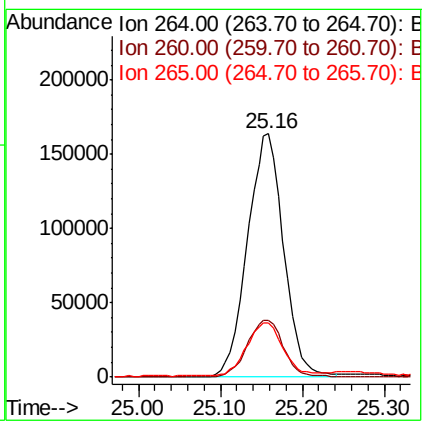


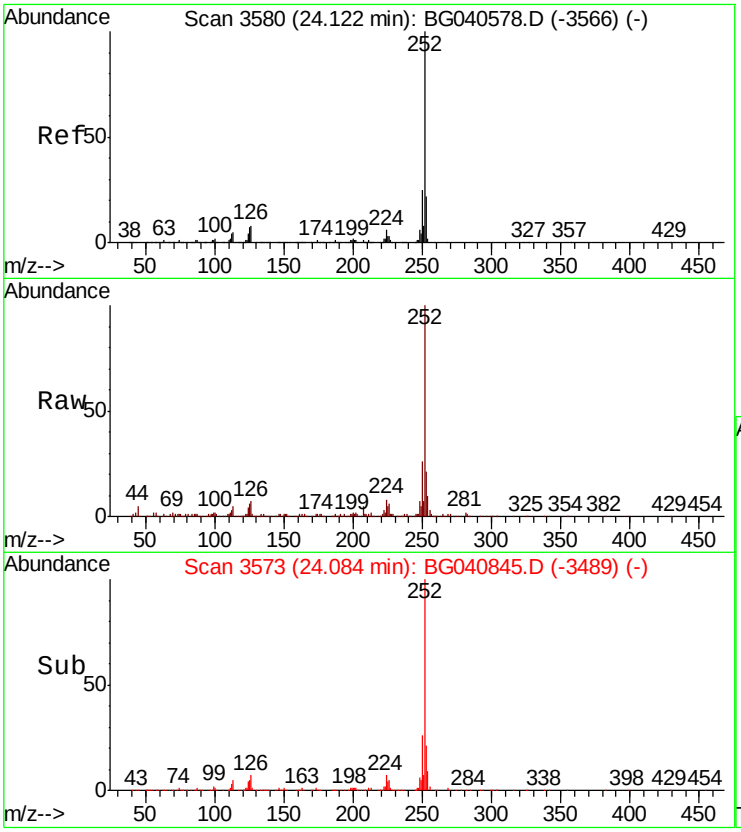




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.04 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:264 Resp: 502504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.2 | 28.8 |
| 265 | 22.2 | 16.6 | 25.0 |



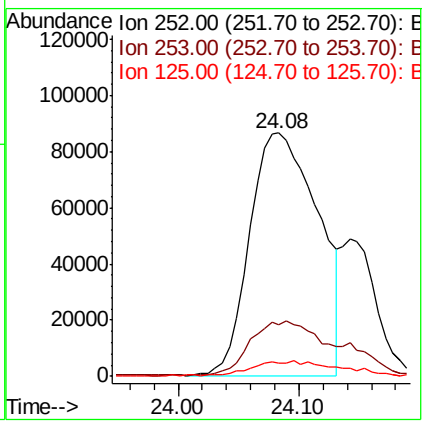


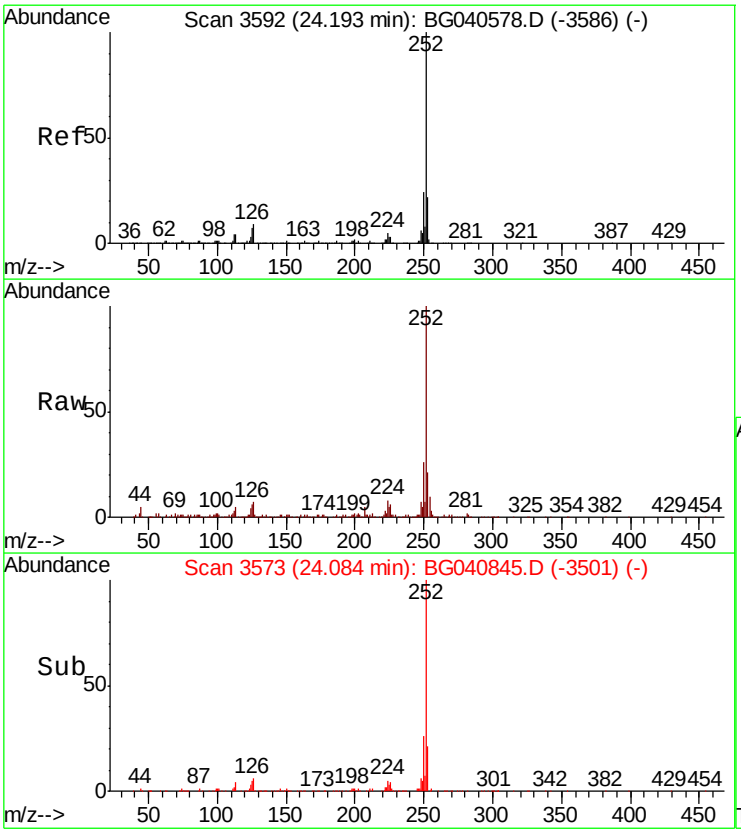

#88
Benzo(b)fluoranthene
Concen: 11.070 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.04 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:252 Resp: 339941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.6 | 26.4 |
| 125 | 5.7 | 5.4 | 8.0 |

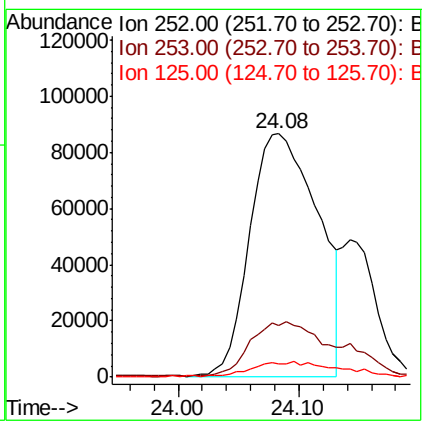


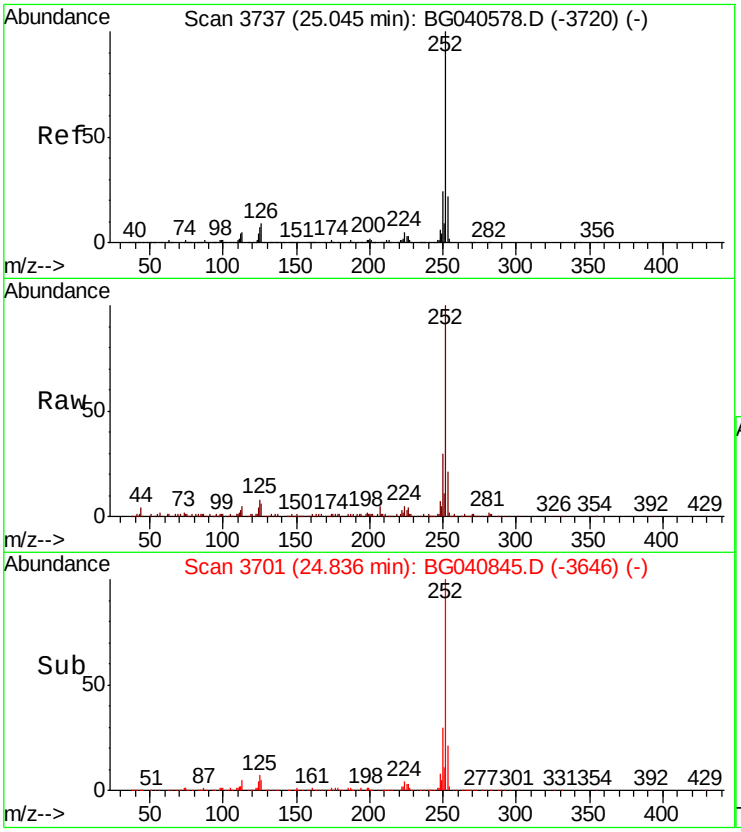




#89
Benzo(k)fluoranthene
Concen: 11.854 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.11 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:252 Resp: 339941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.6 | 26.4 |
| 125 | 5.7 | 5.5 | 8.3 |



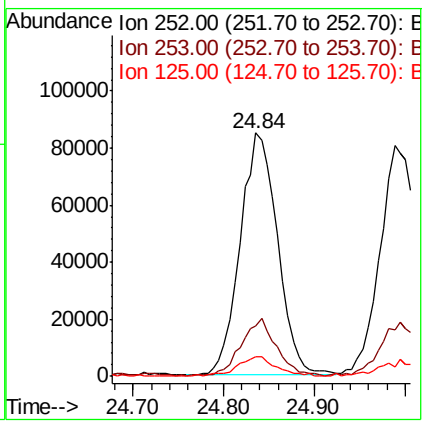


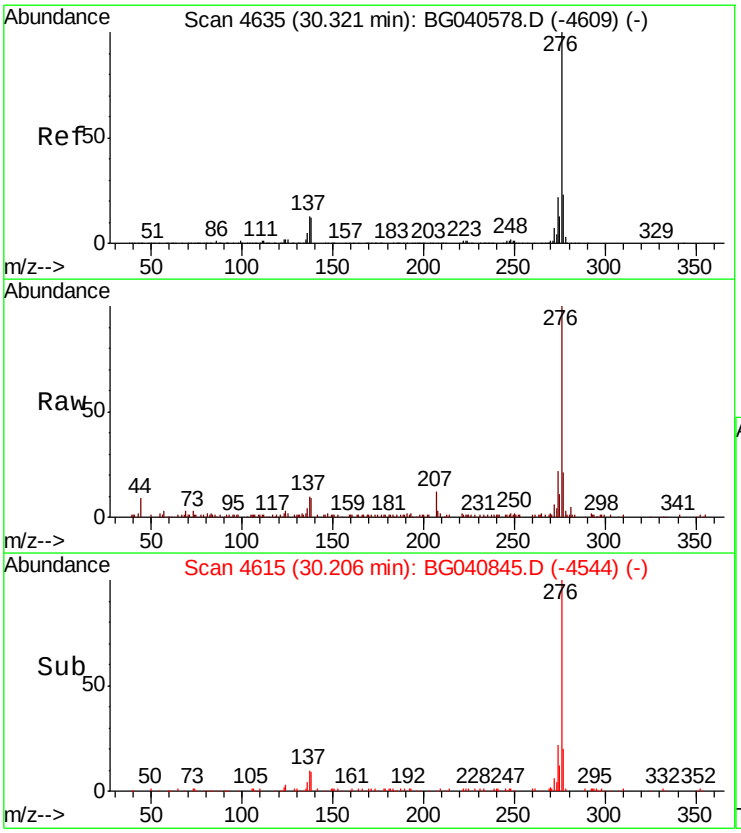

#90
Benzo(a)pyrene
Concen: 8.334 ng
RT: 24.84 min Scan# 3701
Delta R.T. -0.21 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

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

Tgt Ion:252 Resp: 242249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.8 | 17.8 | 26.6 |
| 125 | 7.8 | 5.7 | 8.5 |




#92
Benzo(g,h,i)perylene
Concen: 6.539 ng
RT: 30.21 min Scan# 4615
Delta R.T. -0.12 min
Lab File: BG040845.D
Acq: 10 May 2019 10:55

Tgt Ion:276 Resp: 191416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 21.0 | 18.4 | 27.6 |
| 138 | 9.2 | 9.8 | 14.6# |