Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042377.D
Acq On : 21 Aug 2019 3:38
Operator : HP/JU
Sample : K4388-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 21 05:57:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 70303 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 271412 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 187635 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 355680 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 364618 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.94 | 264 | 442214 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 344217 | 99.20 | ng | | 0.01 |
| 7) Phenol-d6 | 7.18 | 99 | 472506 | 100.27 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 263110 | 68.18 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 231896 | 90.74 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.29 | 172 | 622687 | 56.16 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 880967 | 52.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 15) Benzyl Alcohol | 8.25 | 79 | 22546 | 6.957 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 9.18 | 70 | 33312 | 10.990 | ng | # | 74 |
| 50) Dimethylphthalate | 14.11 | 163 | 37218 | 2.791 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.66 | 165 | 24764 | 7.936 | ng | # | 41 |
| 57) 2,4-Dinitrotoluene | 14.66 | 165 | 24764 | 5.676 | ng | # | 39 |
| 71) Phenanthrene | 17.46 | 178 | 61198 | 3.455 | ng | | 97 |
| 72) Anthracene | 17.46 | 178 | 61198 | 3.464 | ng | | 96 |
| 75) Fluoranthene | 19.48 | 202 | 143913 | 6.737 | ng | | 98 |
| 78) Pyrene | 19.83 | 202 | 128835 | 5.742 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 83669 | 3.737 | ng | | 99 |
| 83) Chrysene | 21.74 | 228 | 74999 | 3.501 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 107815 | 4.436 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.92 | 252 | 107815 | 4.538 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.79 | 252 | 80326 | 3.449 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.80 | 276 | 51756 | 2.235 | ng | # | 93 |

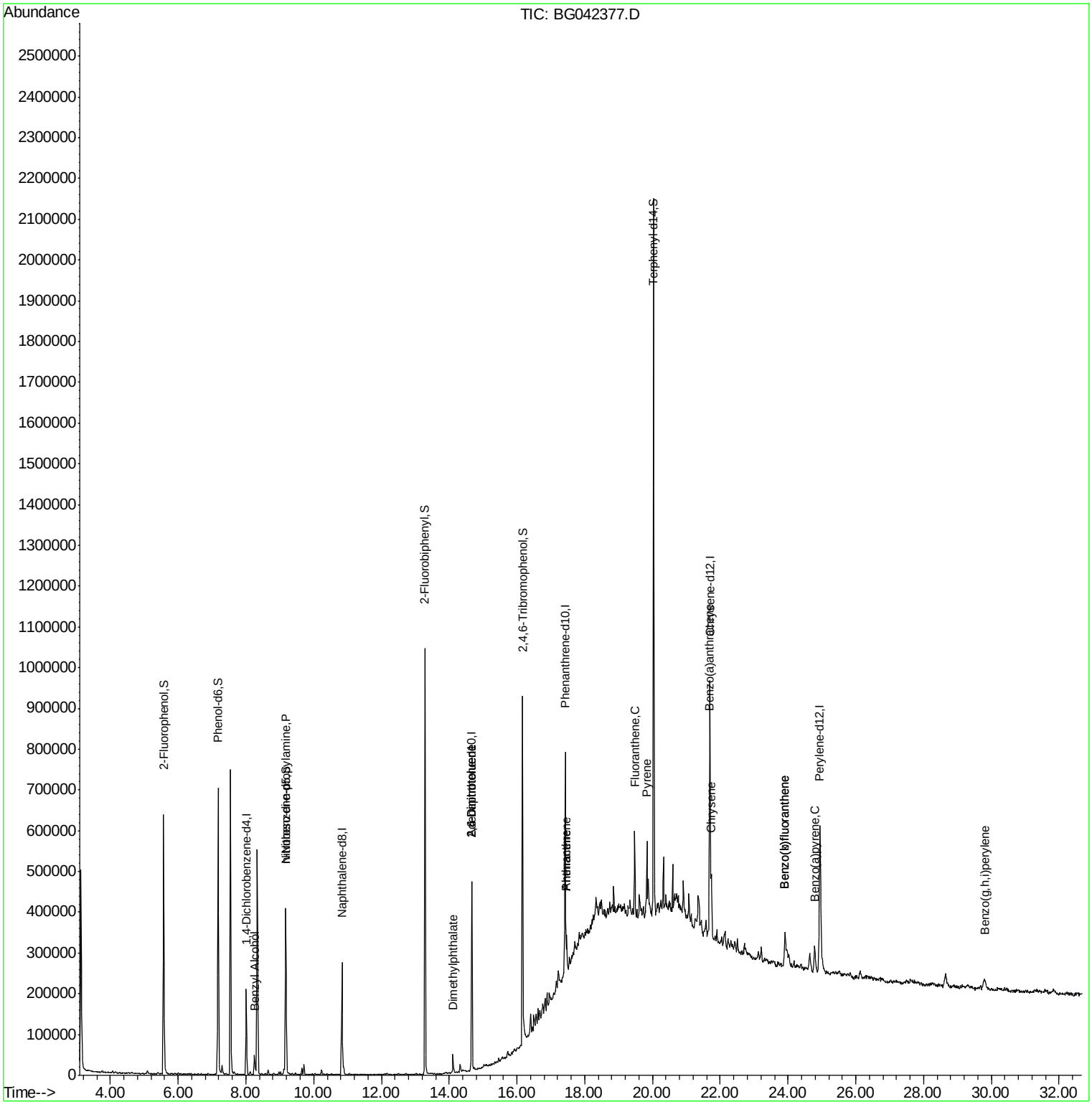
(#) = qualifier out of range (m) = manual integration (+) = signals summed

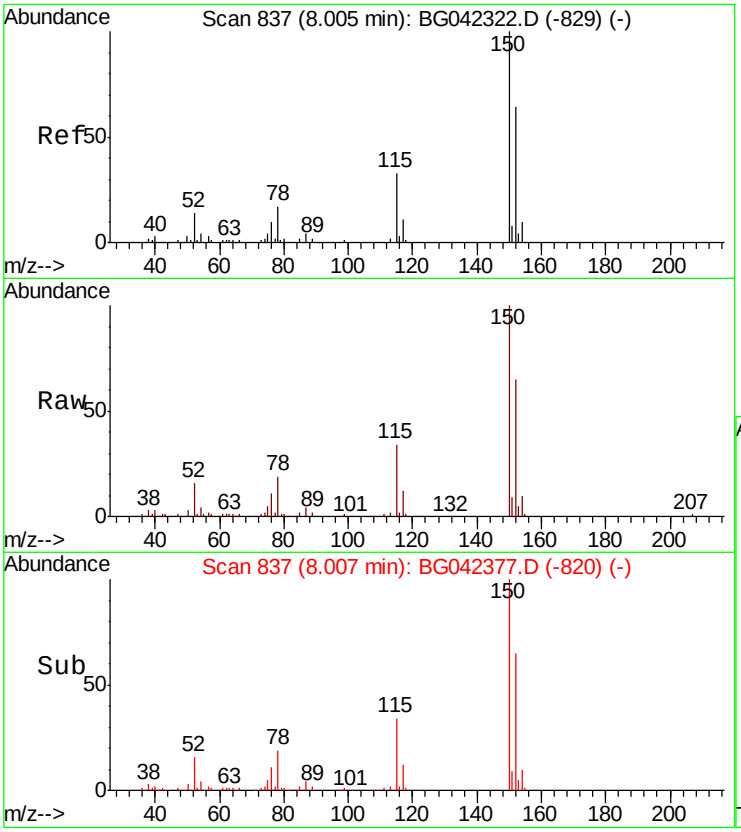
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042377.D
Acq On : 21 Aug 2019 3:38
Operator : HP/JU
Sample : K4388-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 21 05:57:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration



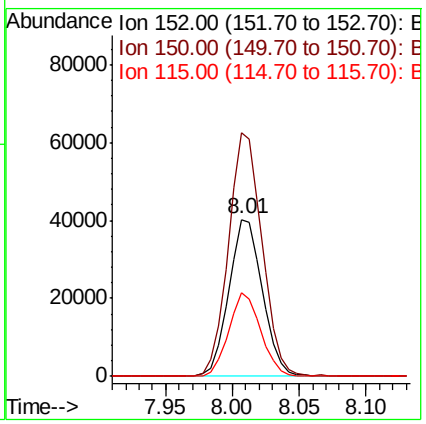


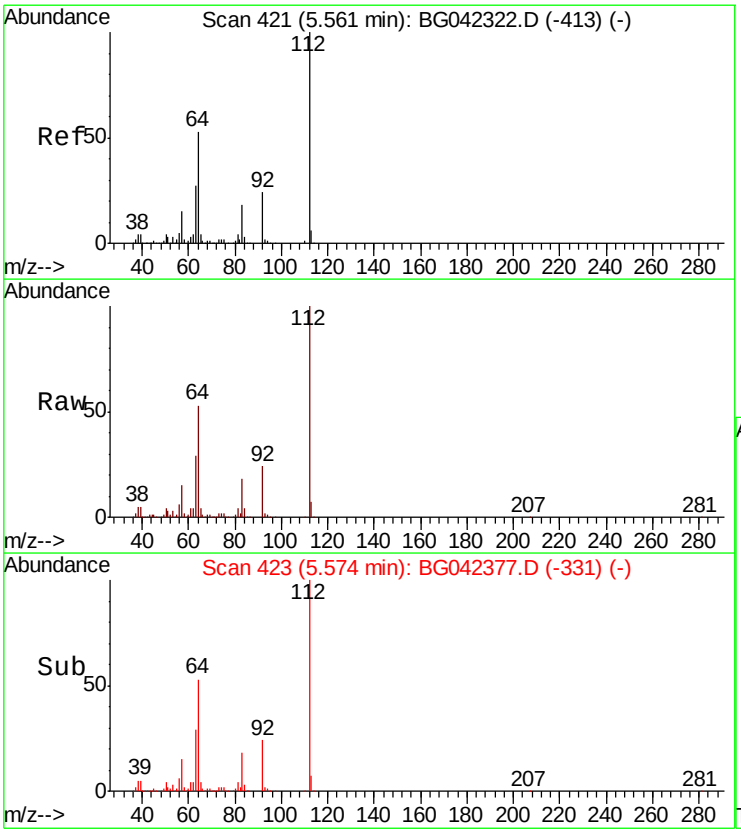

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:152 Resp: 70303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 124.3 | 186.5 |
| 115 | 53.1 | 40.5 | 60.7 |

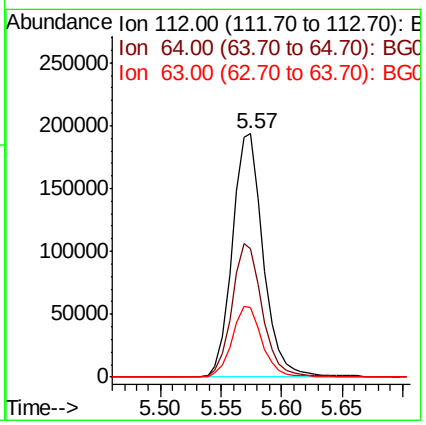


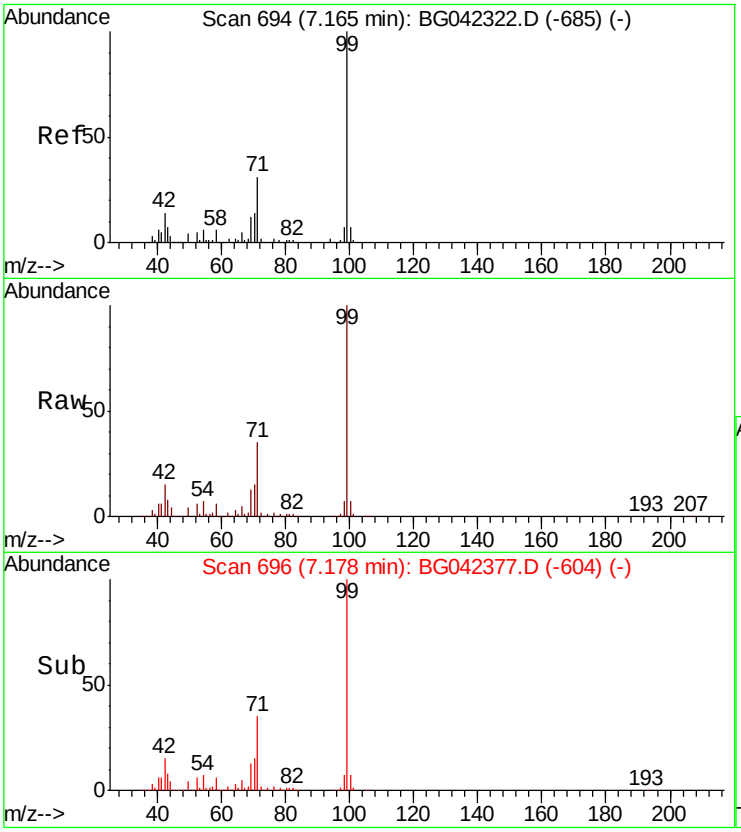




#5
2-Fluorophenol
Concen: 99.202 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:112 Resp: 344217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.6 | 42.5 | 63.7 |
| 63 | 28.7 | 21.7 | 32.5 |



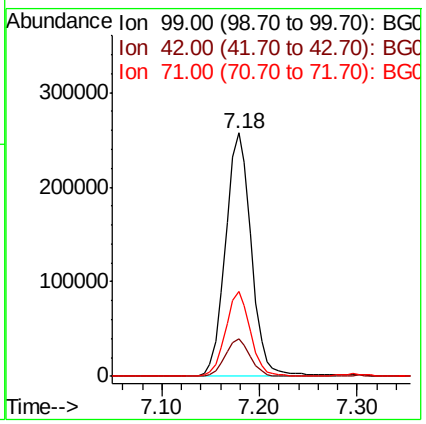


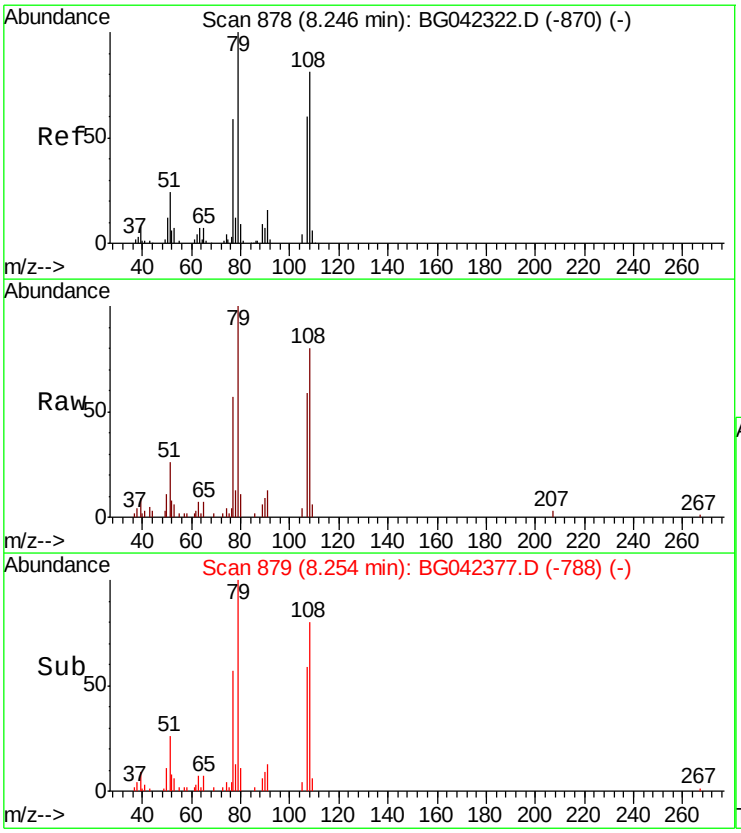

#7
Phenol-d6
Concen: 100.266 ng
RT: 7.18 min Scan# 696
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion: 99 Resp: 472506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 11.4 | 17.0 |
| 71 | 35.1 | 25.1 | 37.7 |

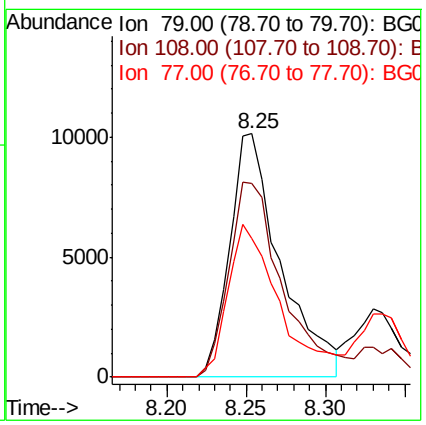


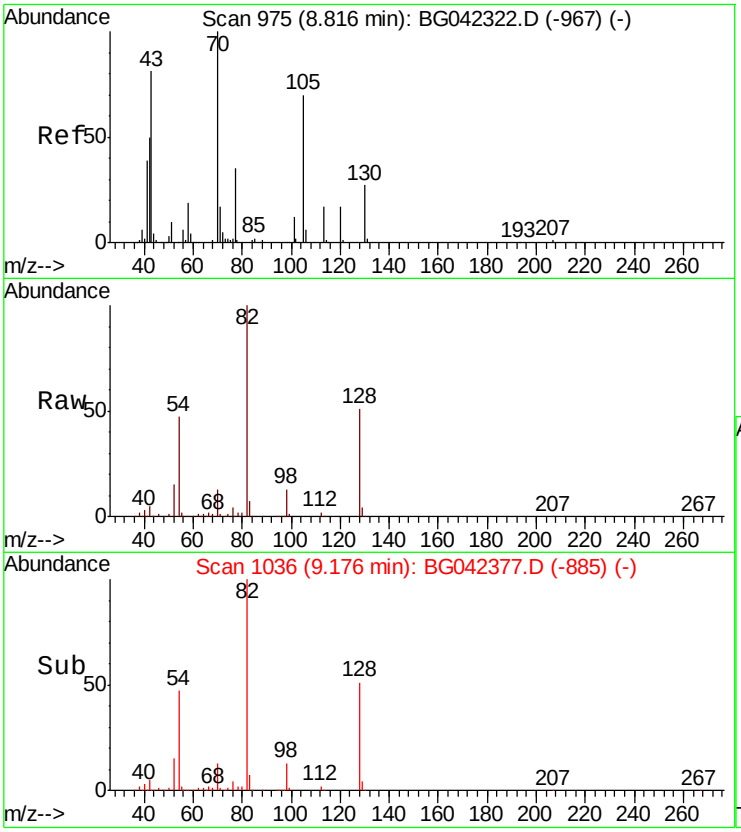




#15
Benzyl Alcohol
Concen: 6.957 ng
RT: 8.25 min Scan# 879
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion: 79 Resp: 22546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.6 | 64.8 | 97.2 |
| 77 | 57.2 | 47.6 | 71.4 |



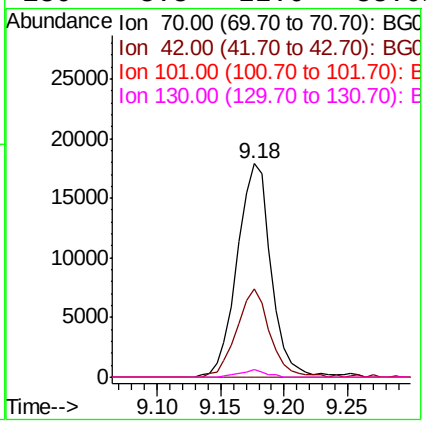


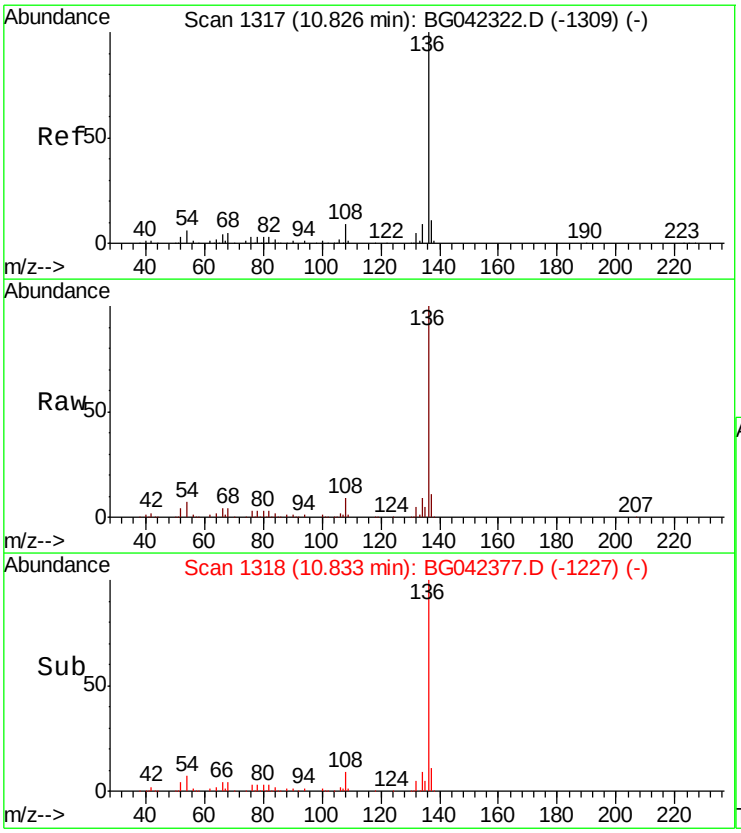

#19
n-Nitroso-di-n-propylamine
Concen: 10.990 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion: 70 Resp: 33312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.1 | 40.5 | 60.7 |
| 101 | 0.0 | 9.3 | 13.9# |
| 130 | 3.3 | 22.0 | 33.0# |

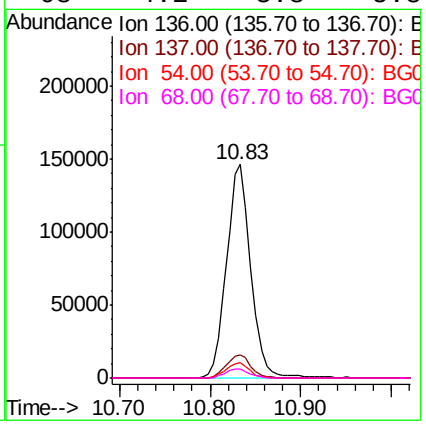


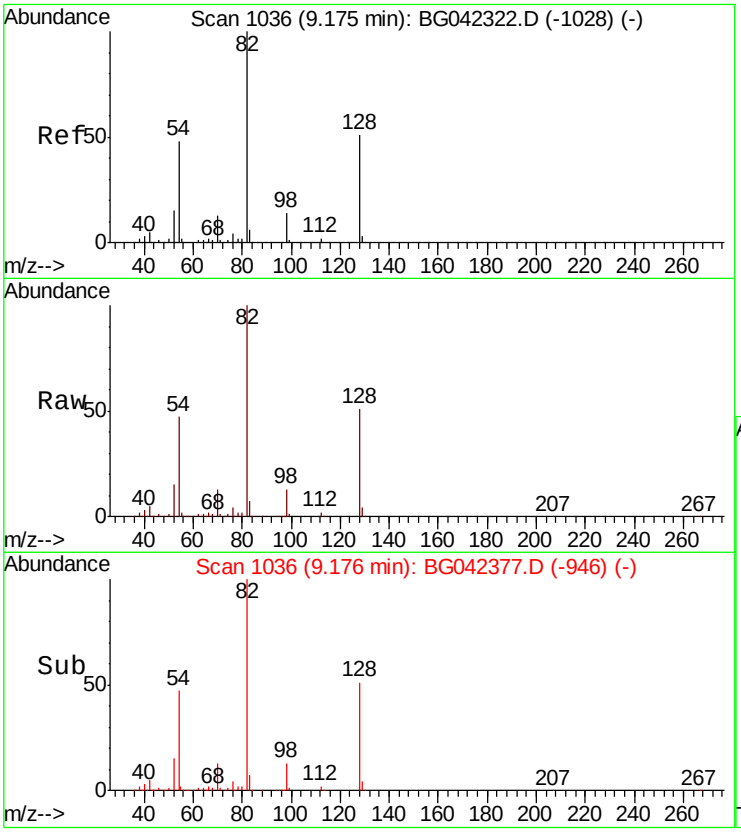




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:136 Resp: 271412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.4 | 12.6 |
| 54 | 7.0 | 5.0 | 7.4 |
| 68 | 4.2 | 3.8 | 5.8 |



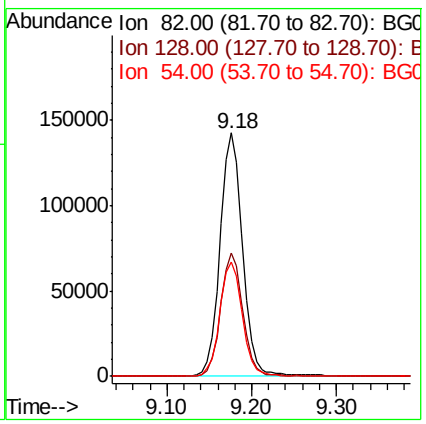


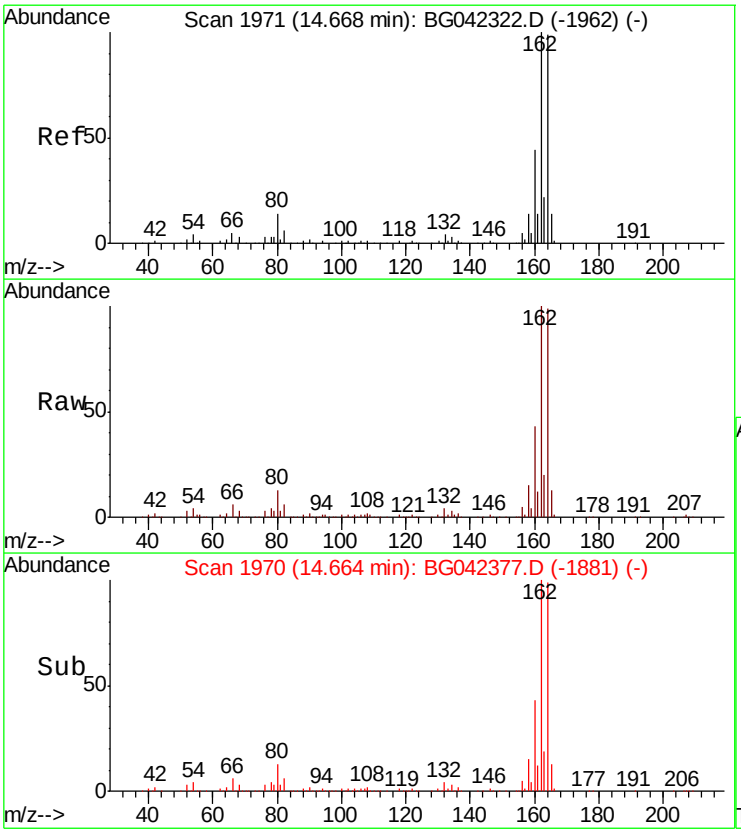

#23
Nitrobenzene-d5
Concen: 68.182 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion: 82 Resp: 263110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.9 | 41.0 | 61.4 |
| 54 | 46.8 | 38.0 | 57.0 |

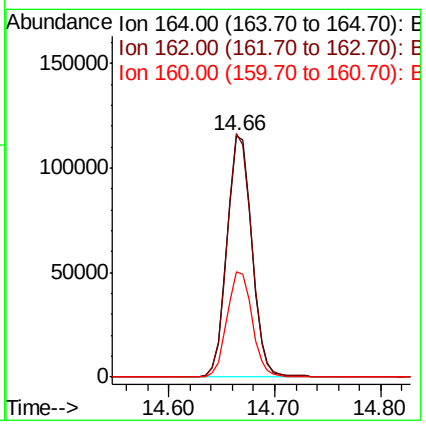


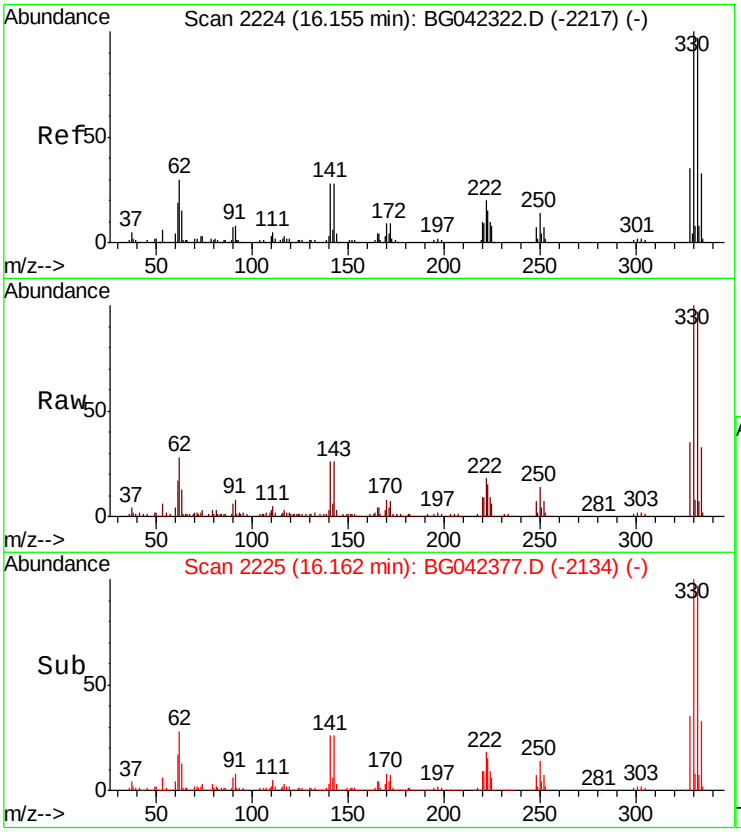




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:164 Resp: 187635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 120.8 |
| 160 | 43.8 | 35.7 | 53.5 |



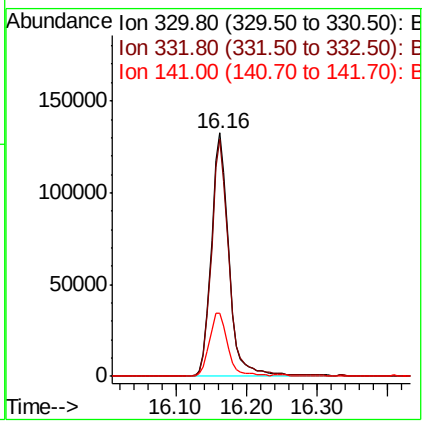


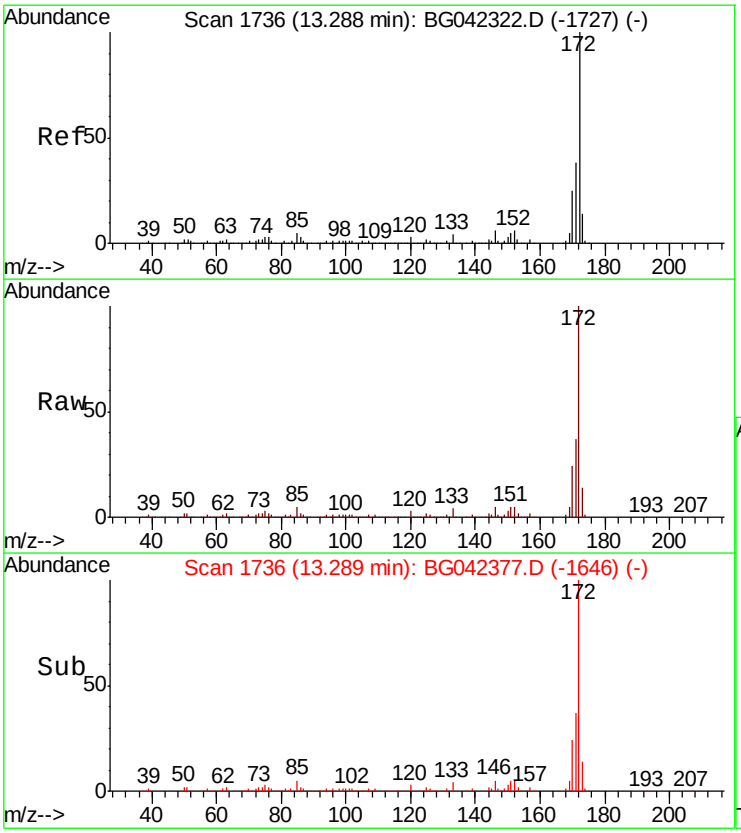

#42
2,4,6-Tribromophenol
Concen: 90.742 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:330 Resp: 231896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 27.1 | 21.8 | 32.6 |

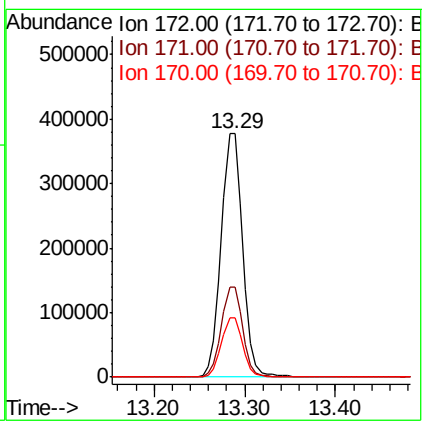


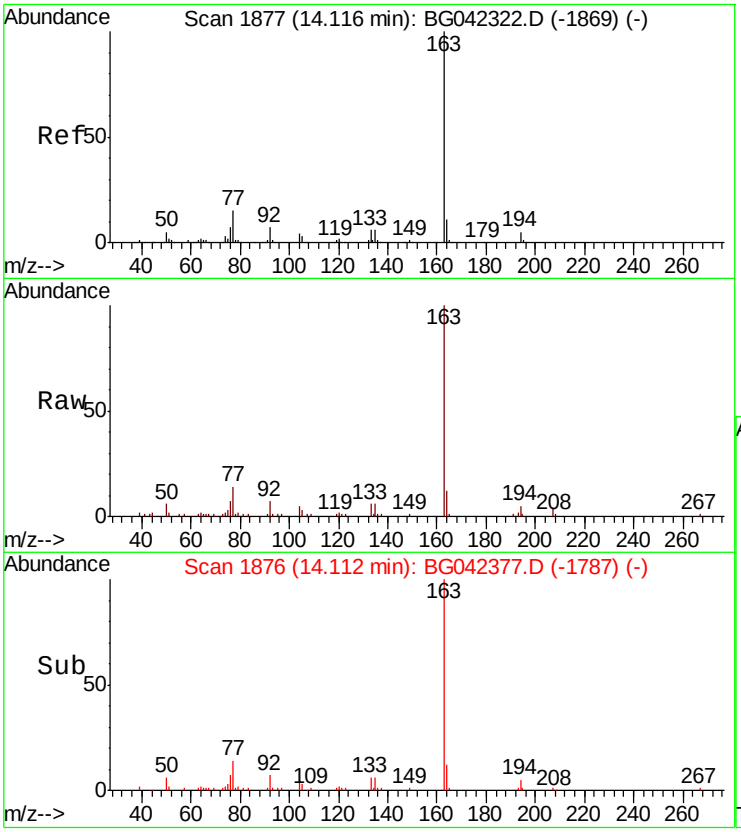




#45
2-Fluorobiphenyl
Concen: 56.156 ng
RT: 13.29 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:172 Resp: 622687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.0 | 30.3 | 45.5 |
| 170 | 24.2 | 20.0 | 30.0 |



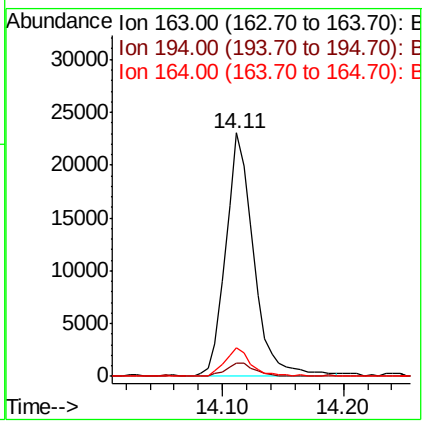


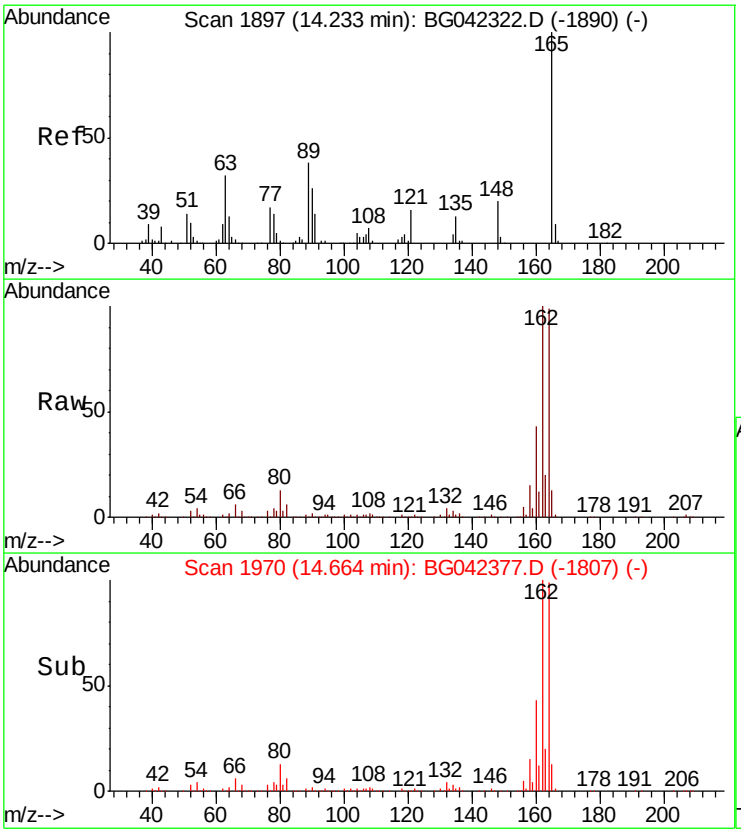

#50
Dimethylphthalate
Concen: 2.791 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:163 Resp: 37218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.4 | 4.2 | 6.2 |
| 164 | 11.7 | 8.8 | 13.2 |

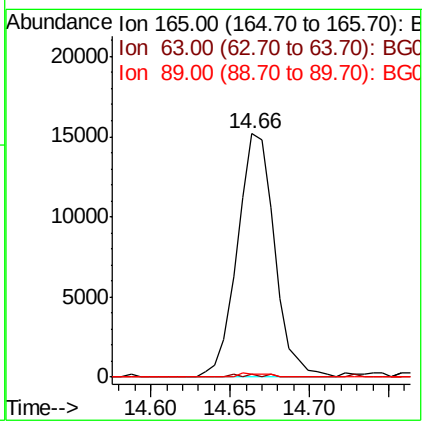


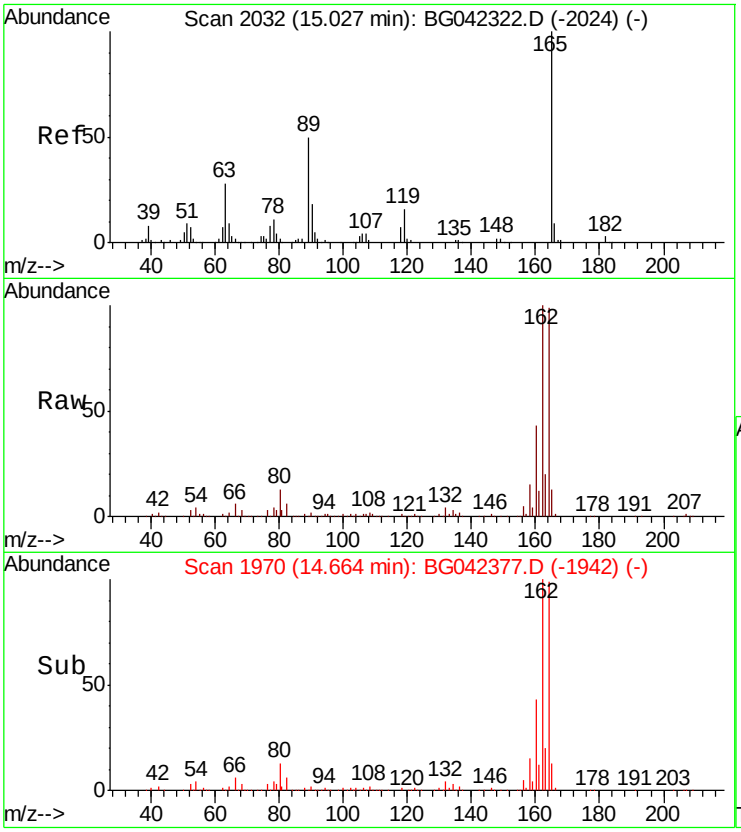




#51
2,6-Dinitrotoluene
Concen: 7.936 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.43 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:165 Resp: 24764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 28.2 | 42.2# |
| 89 | 1.4 | 30.0 | 45.0# |



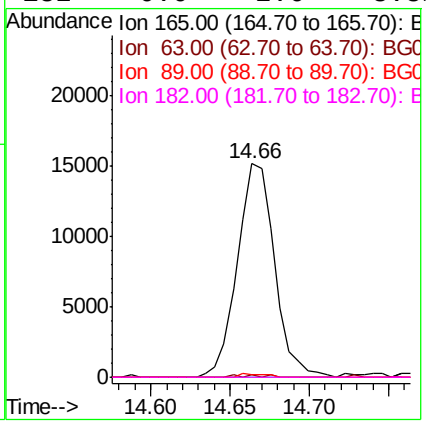


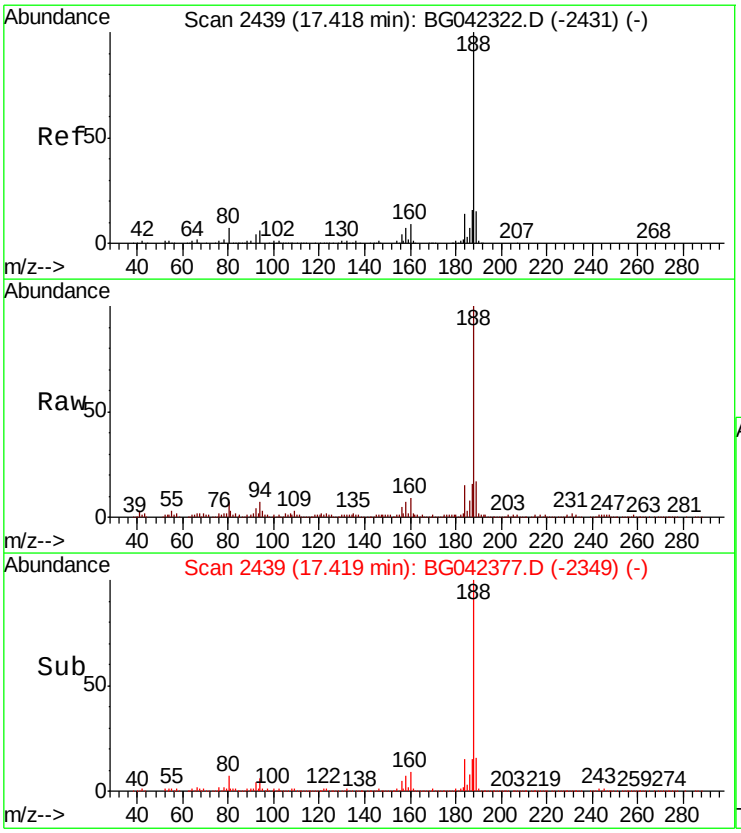

#57
2,4-Dinitrotoluene
Concen: 5.676 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:165 Resp: 24764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 22.4 | 33.6# |
| 89 | 1.4 | 40.2 | 60.2# |
| 182 | 0.0 | 2.6 | 3.8# |

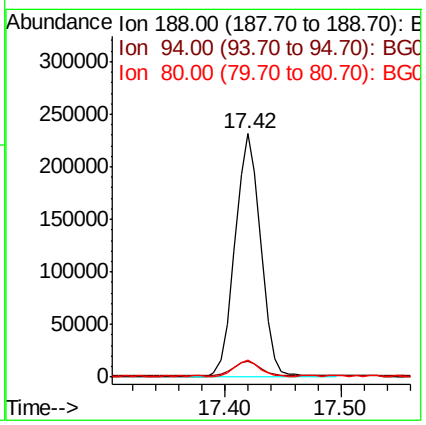


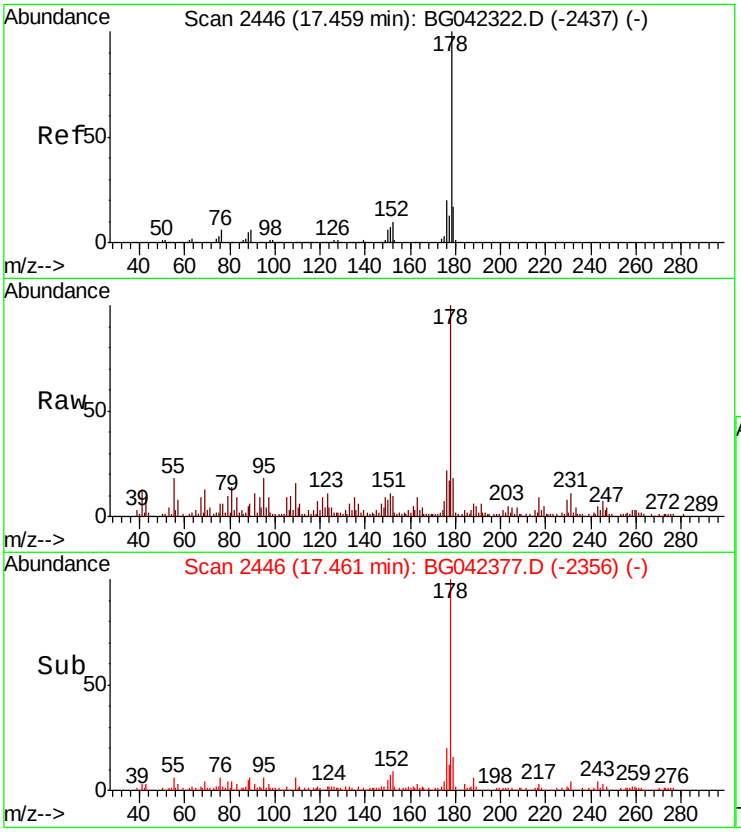




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:188 Resp: 355680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.6 | 4.9 | 7.3 |
| 80 | 6.9 | 5.4 | 8.0 |



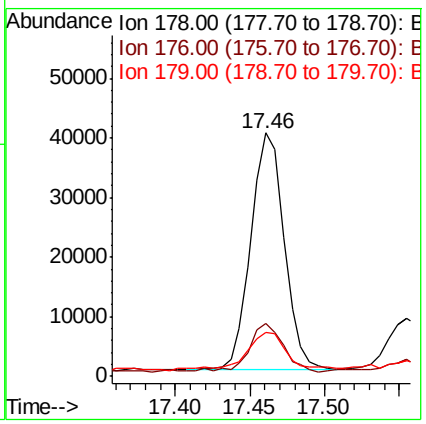


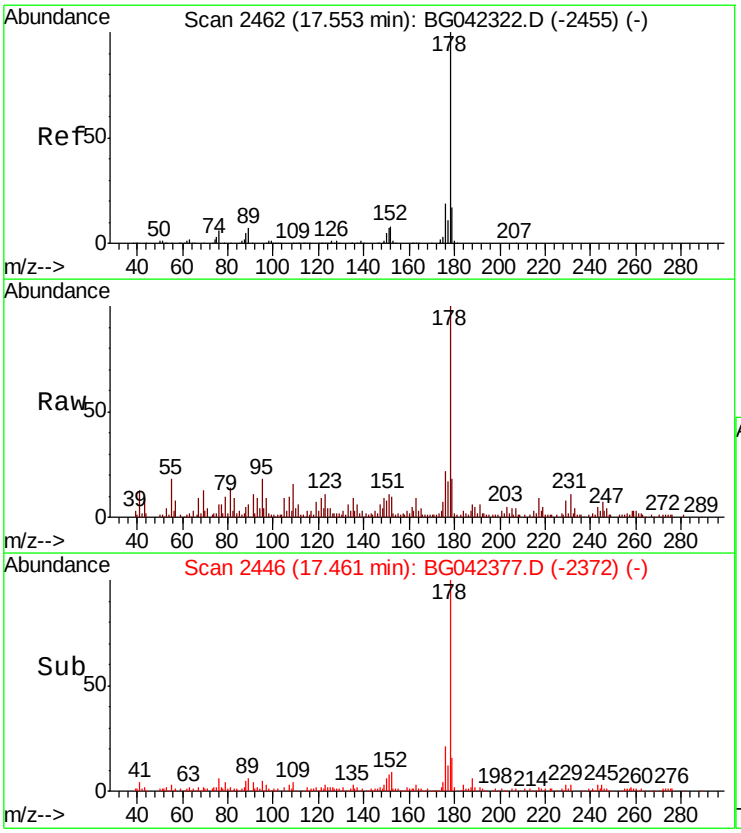

#71
Phenanthrene
Concen: 3.455 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:178 Resp: 61198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.9 | 16.2 | 24.4 |
| 179 | 17.8 | 13.7 | 20.5 |

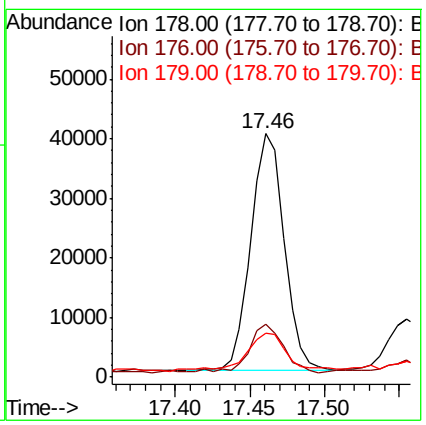


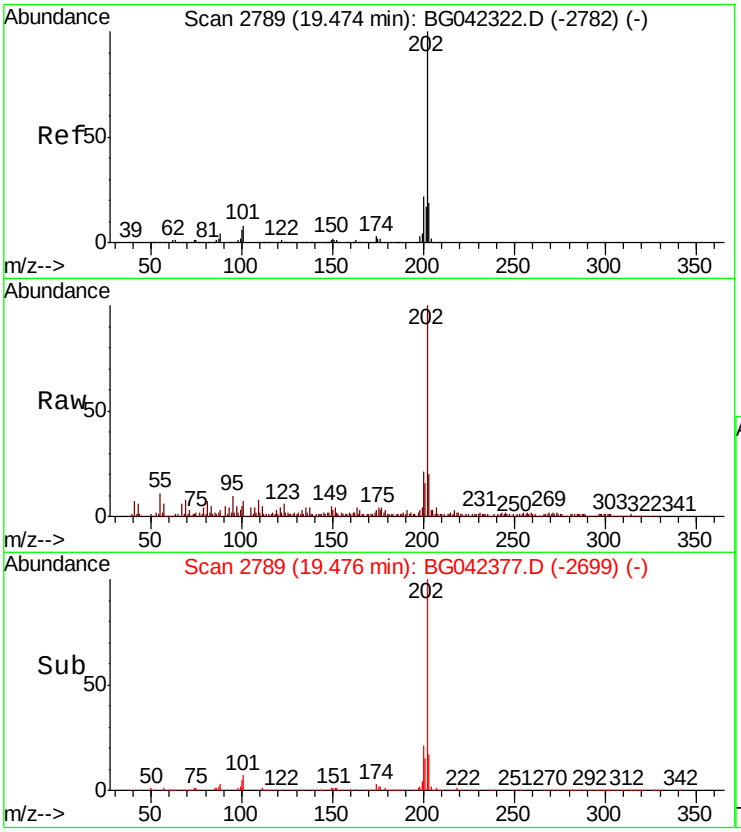




#72
Anthracene
Concen: 3.464 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:178 Resp: 61198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.9 | 15.5 | 23.3 |
| 179 | 17.8 | 13.6 | 20.4 |



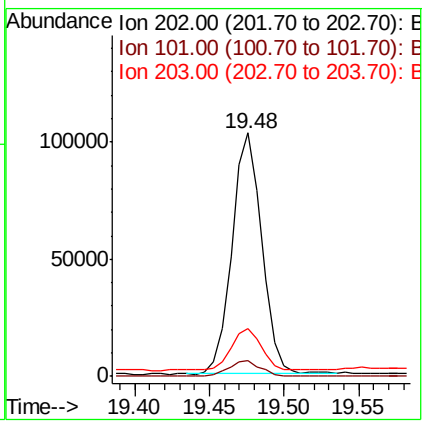


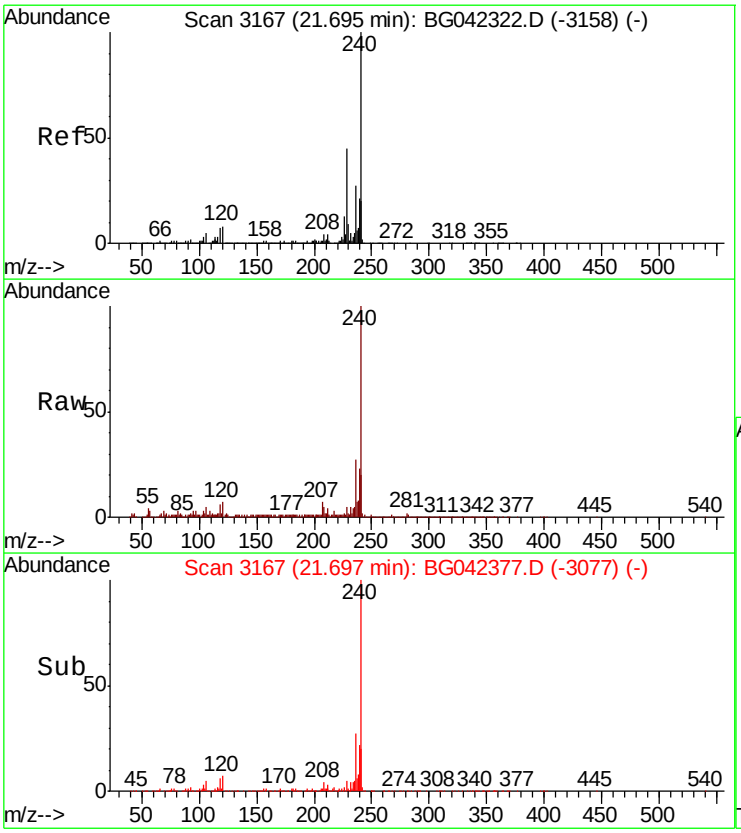

#75
Fluoranthene
Concen: 6.737 ng
RT: 19.48 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:202 Resp: 143913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.7 | 0.0 | 28.0 |
| 203 | 19.8 | 0.0 | 39.1 |

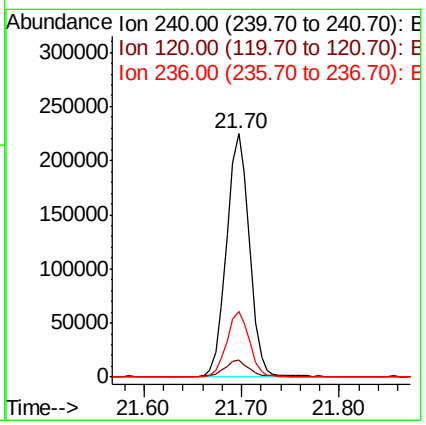


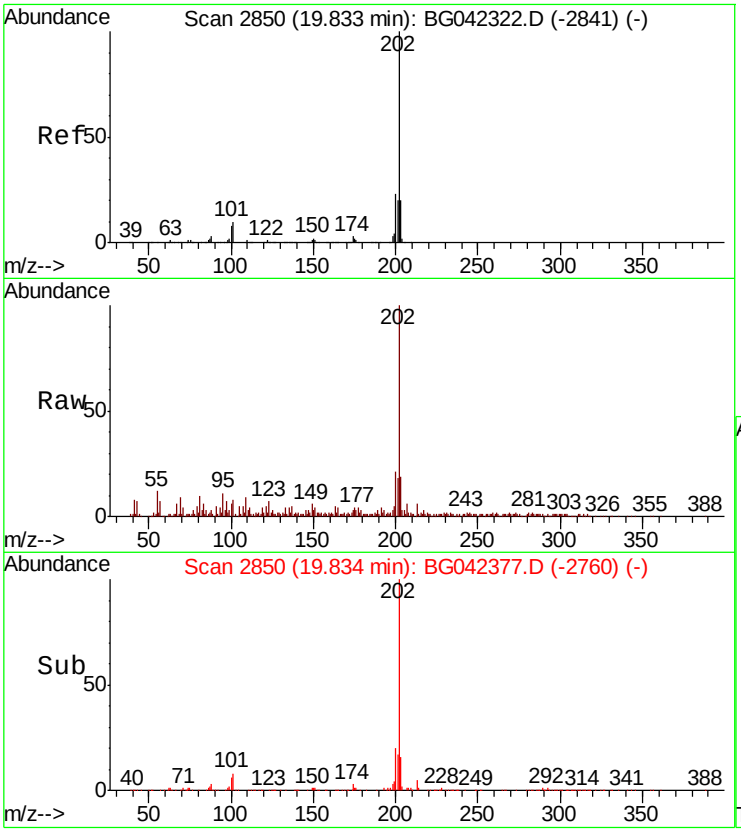




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:240 Resp: 364618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.1 | 6.0 | 9.0 |
| 236 | 27.0 | 21.6 | 32.4 |



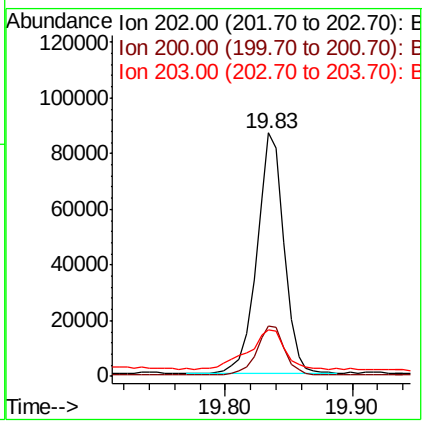


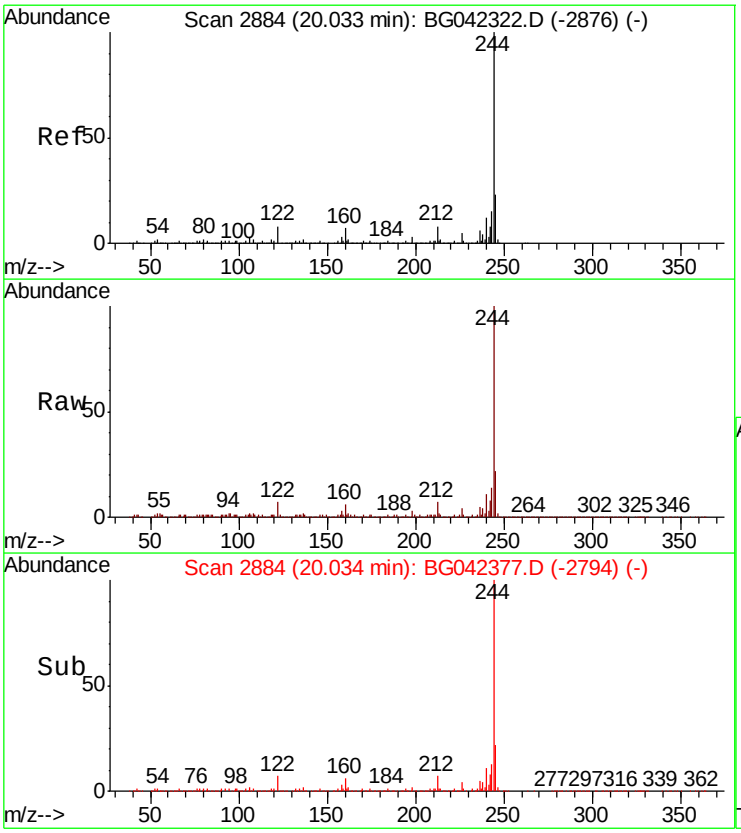

#78
Pyrene
Concen: 5.742 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:202 Resp: 128835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 18.1 | 27.1 |
| 203 | 19.1 | 15.8 | 23.8 |

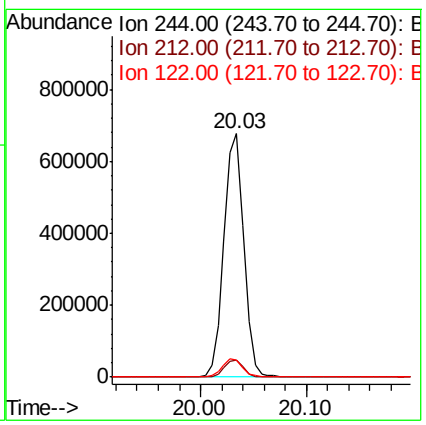


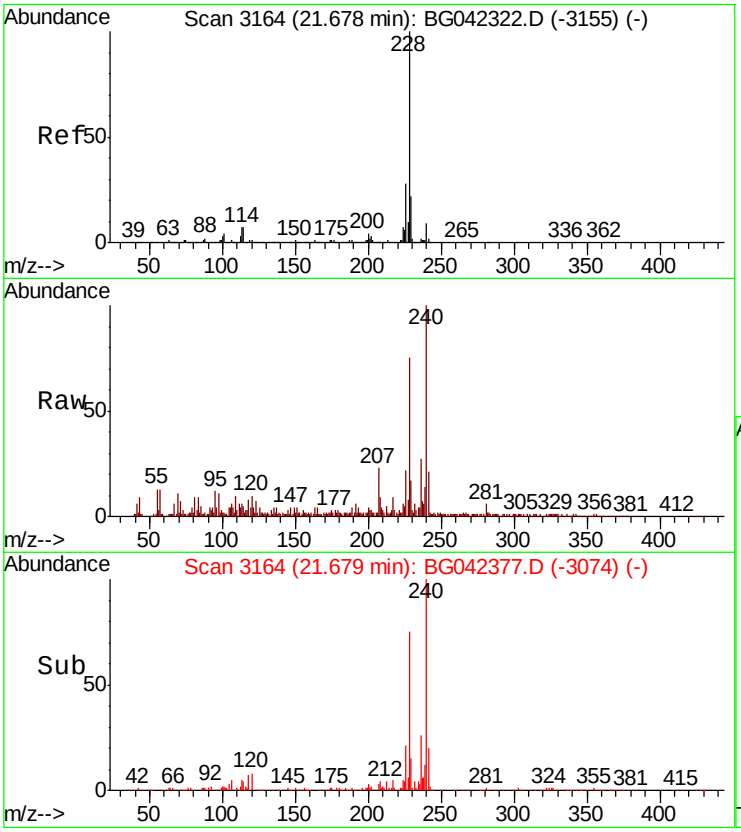




#79
Terphenyl-d14
Concen: 52.920 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:244 Resp: 880967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.4 | 9.6 |
| 122 | 7.3 | 6.6 | 10.0 |



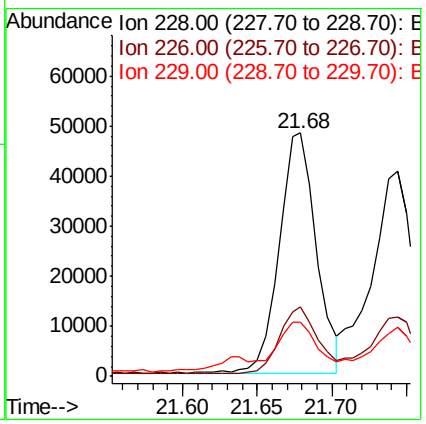


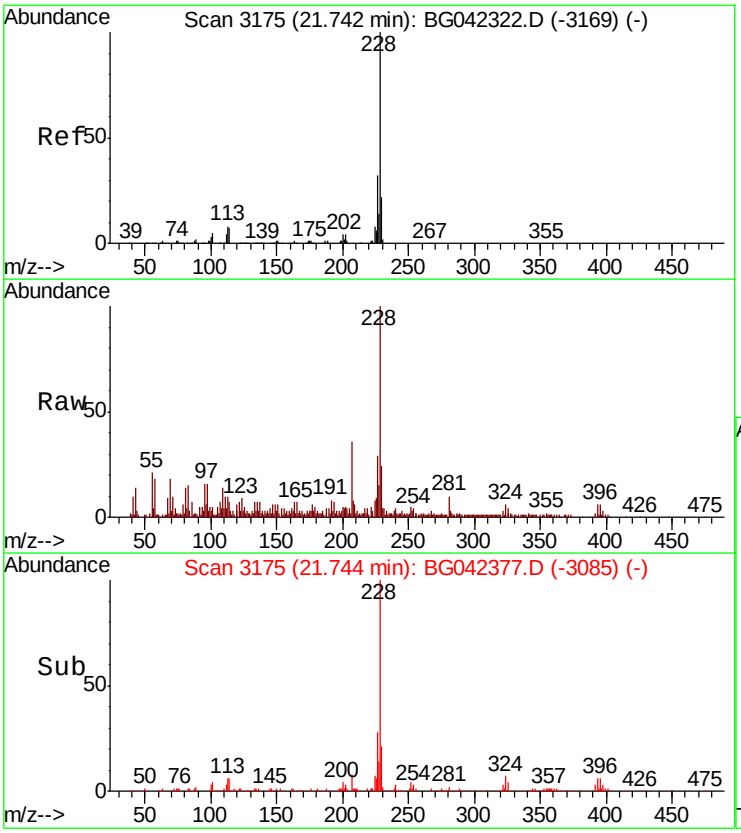

#81
Benzo(a)anthracene
Concen: 3.737 ng
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:228 Resp: 83669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.5 | 22.7 | 34.1 |
| 229 | 22.4 | 17.4 | 26.2 |

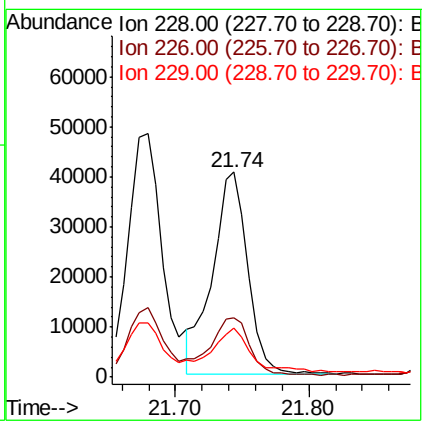


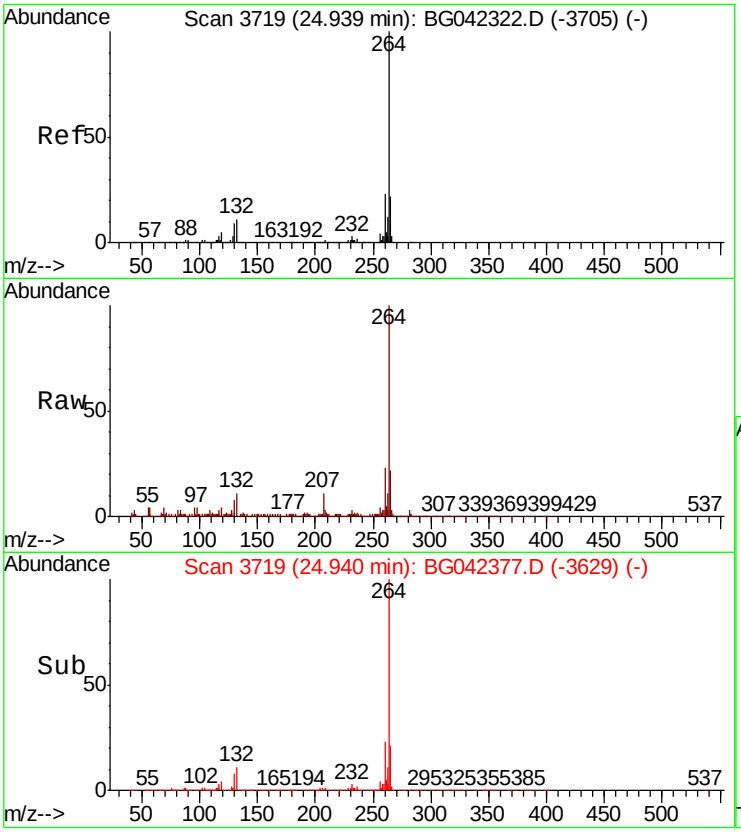




#83
Chrysene
Concen: 3.501 ng
RT: 21.74 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:228 Resp: 74999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 25.6 | 38.4 |
| 229 | 23.8 | 17.8 | 26.6 |



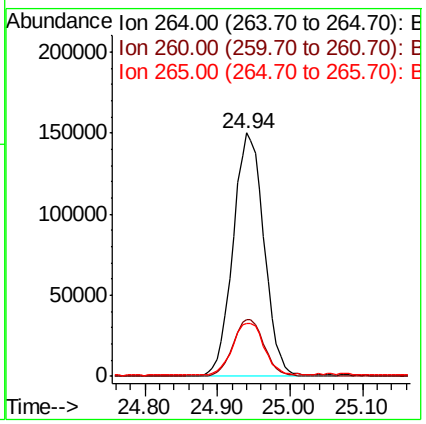


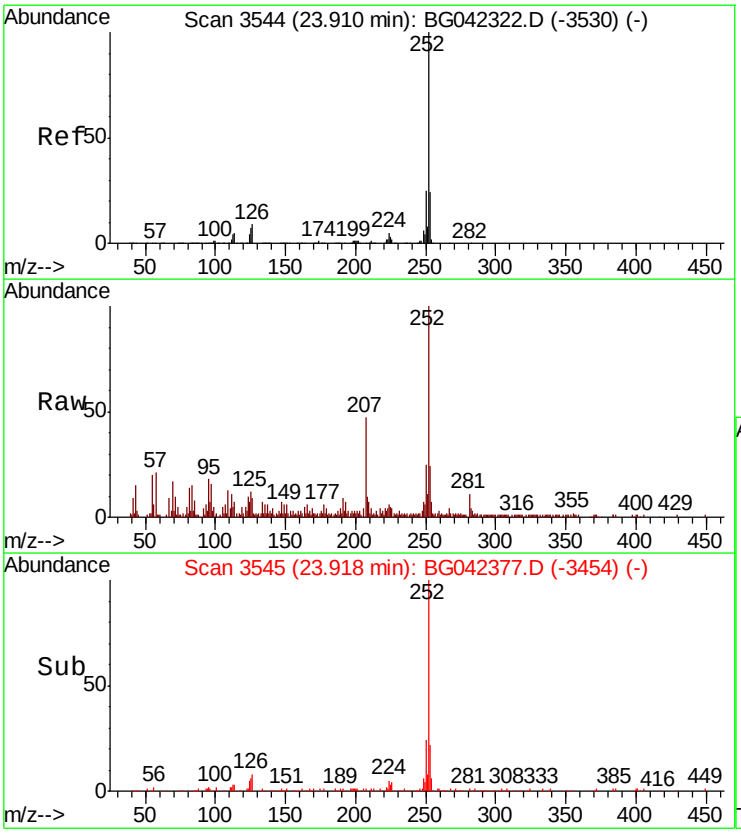

#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:264 Resp: 442214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.4 | 27.6 |
| 265 | 21.8 | 17.4 | 26.0 |

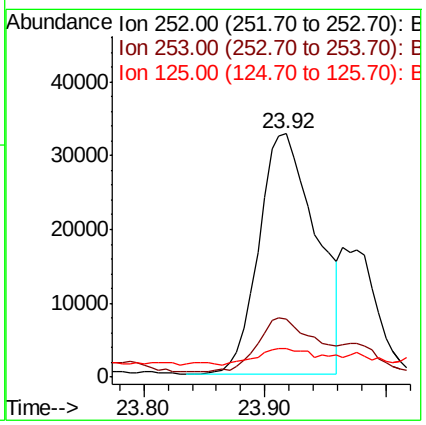


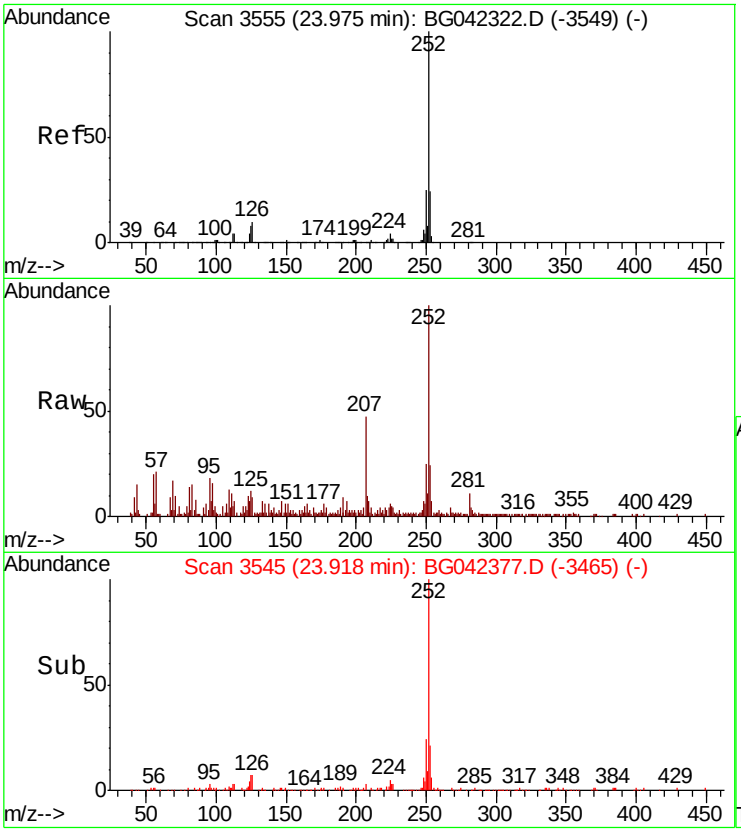




#88
Benzo(b)fluoranthene
Concen: 4.436 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:252 Resp: 107815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.9 | 28.3 |
| 125 | 12.0 | 5.8 | 8.6# |



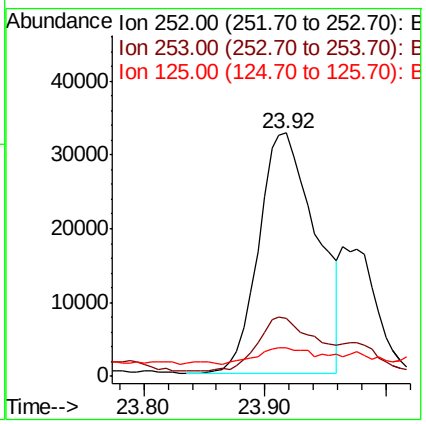


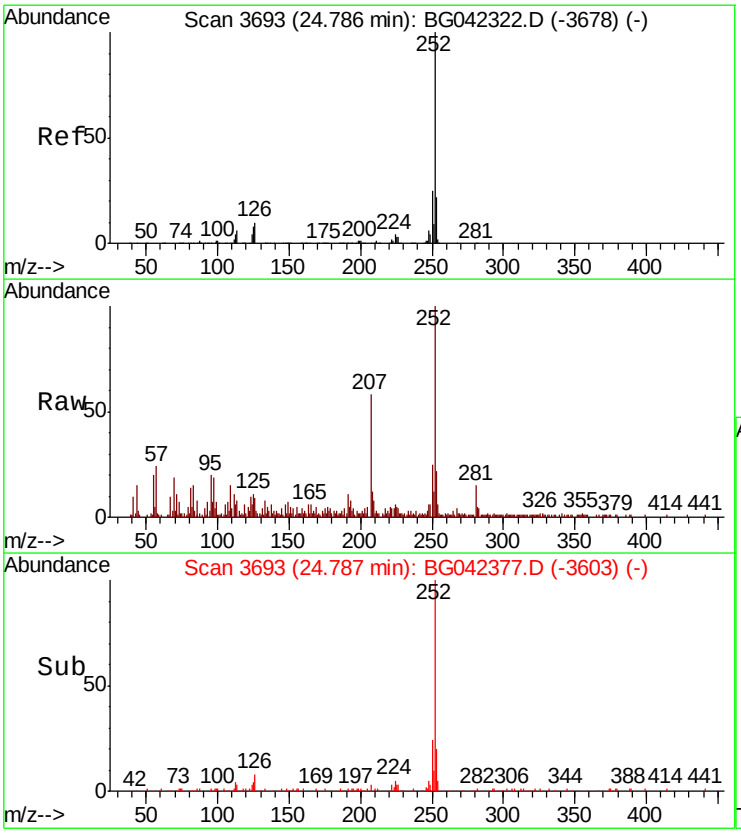

#89
Benzo(k)fluoranthene
Concen: 4.538 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.06 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:252 Resp: 107815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 19.0 | 28.4 |
| 125 | 12.0 | 6.0 | 9.0# |

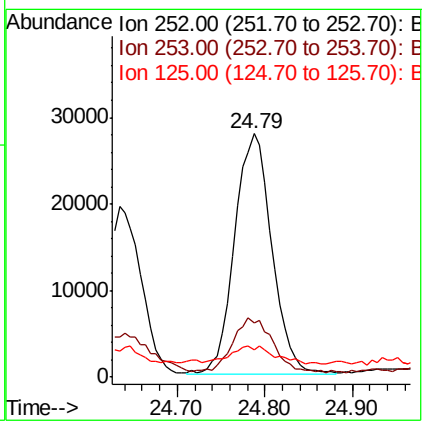


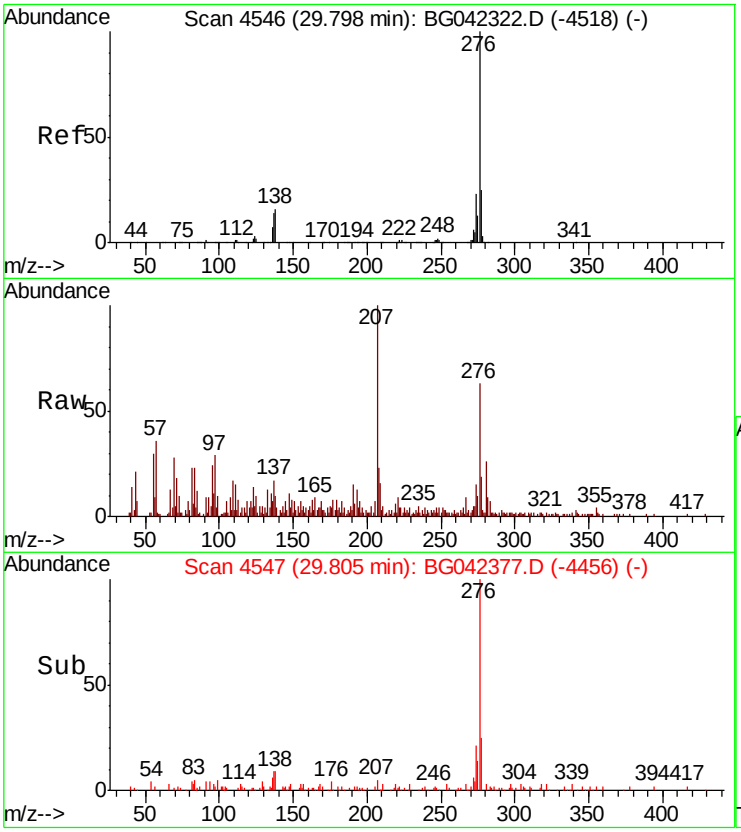




#90
Benzo(a)pyrene
Concen: 3.449 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

Tgt Ion:252 Resp: 80326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.9 | 26.9 |
| 125 | 11.1 | 6.7 | 10.1# |






#92
Benzo(g,h,i)perylene
Concen: 2.235 ng
RT: 29.80 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BG042377.D
Acq: 21 Aug 2019 3:38

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

Tgt Ion:276 Resp: 51756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 29.9 | 19.8 | 29.8# |
| 138 | 15.7 | 12.8 | 19.2 |