Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043957.D
Acq On : 7 Jan 2020 16:41
Operator : JU
Sample : K6463-02 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 07 17:18:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 163696 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.76 | 136 | 677218 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.59 | 164 | 414120 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.33 | 188 | 848835 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.58 | 240 | 730717 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.71 | 264 | 830736 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 508248 | 57.01 | ng | | 0.00 |
| 7) Phenol-d6 | 7.13 | 99 | 709068 | 56.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.11 | 82 | 406059 | 32.08 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.07 | 330 | 219319 | 50.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.21 | 172 | 756623 | 33.10 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.95 | 244 | 984361 | 23.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.11 | 70 | 52304 | 5.636 | ng | # | 75 |
| 32) Benzoic acid | 10.04 | 122 | 53 | 6.268 | ng | # | 1 |
| 50) Dimethylphthalate | 14.04 | 163 | 73337 | 2.494 | ng | | 95 |
| 51) 2,6-Dinitrotoluene | 14.59 | 165 | 54880 | 8.258 | ng | # | 26 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 54880 | 6.069 | ng | # | 27 |
| 65) 4,6-Dinitro-2-methylphenol | 15.94 | 198 | 57 | 4.402 | ng | # | 1 |
| 71) Phenanthrene | 17.37 | 178 | 231370 | 5.683 | ng | | 95 |
| 75) Fluoranthene | 19.38 | 202 | 396574 | 8.517 | ng | | 96 |
| 78) Pyrene | 19.74 | 202 | 378675 | 7.939 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.56 | 228 | 191615 | 4.229 | ng | | 93 |
| 83) Chrysene | 21.63 | 228 | 161389 | 3.749 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 23.72 | 252 | 230702 | 4.698 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.72 | 252 | 230702 | 4.940 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.56 | 252 | 165631 | 3.573 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.34 | 276 | 106426 | 2.302 | ng | | 97 |

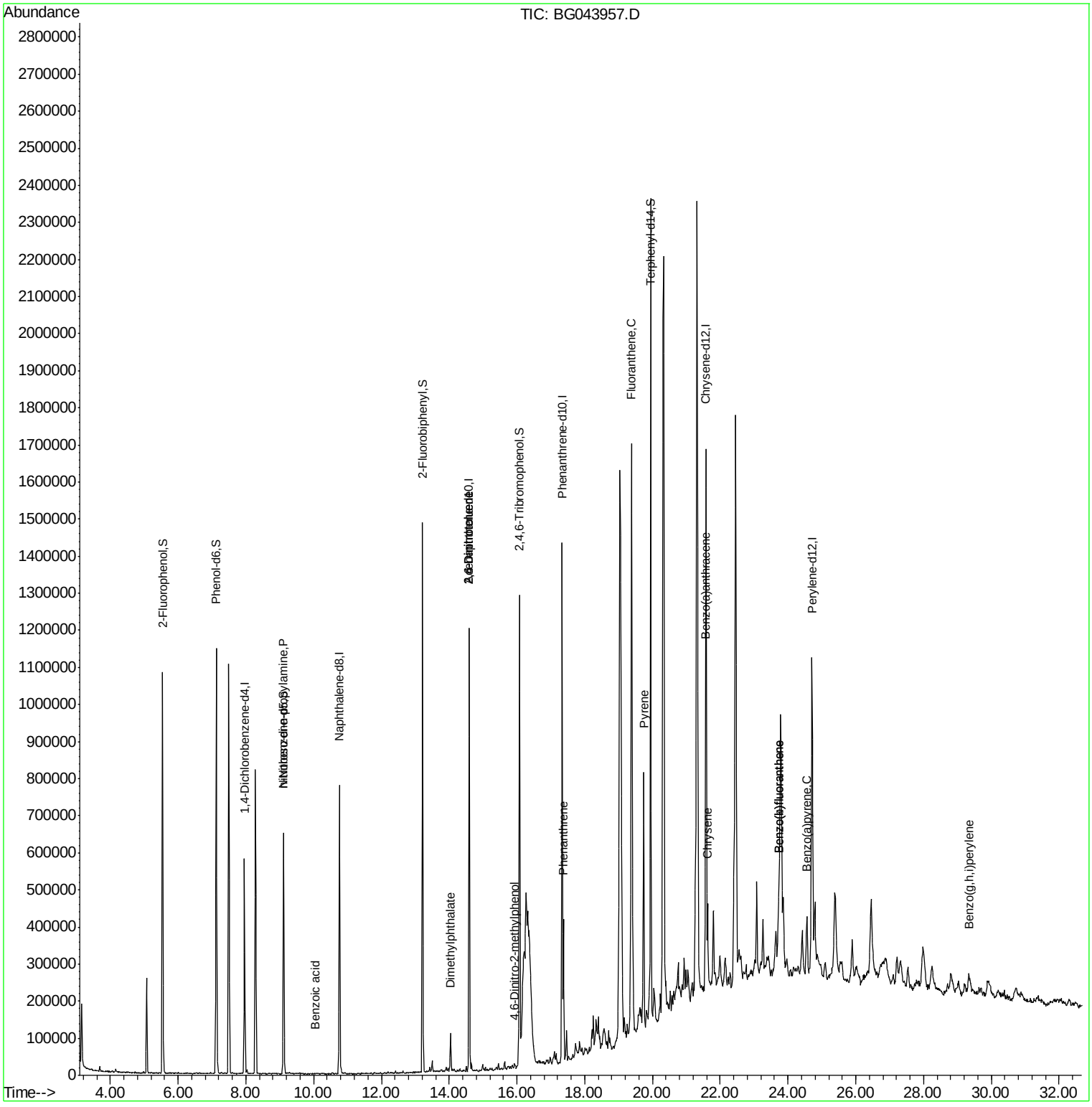
(#) = qualifier out of range (m) = manual integration (+) = signals summed

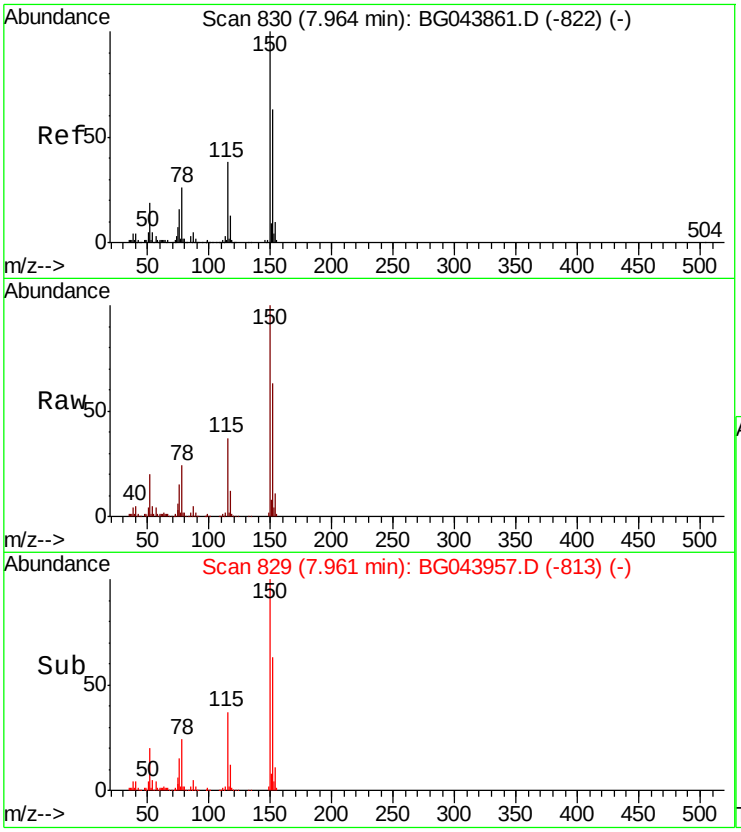
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043957.D
Acq On : 7 Jan 2020 16:41
Operator : JU
Sample : K6463-02 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jan 07 17:18:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration



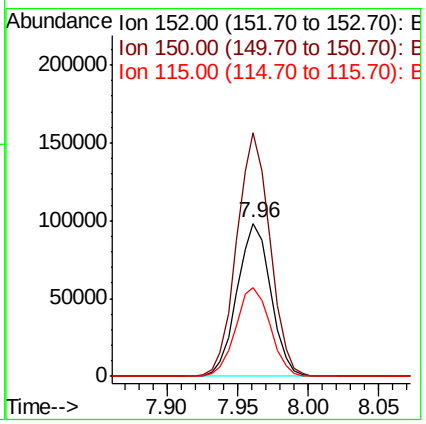


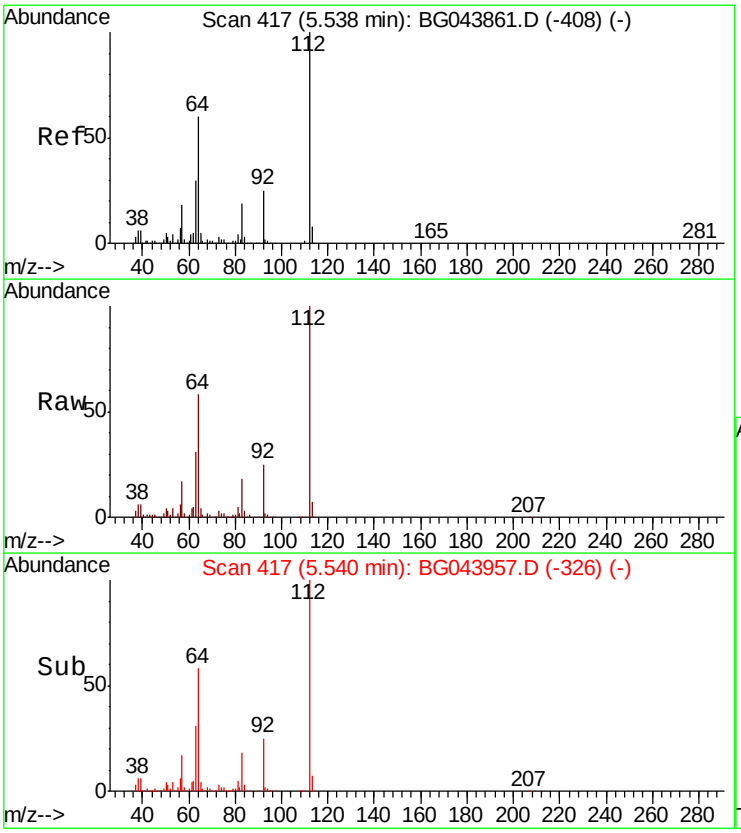

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:152 Resp: 163696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.4 | 127.0 | 190.4 |
| 115 | 58.3 | 47.8 | 71.8 |

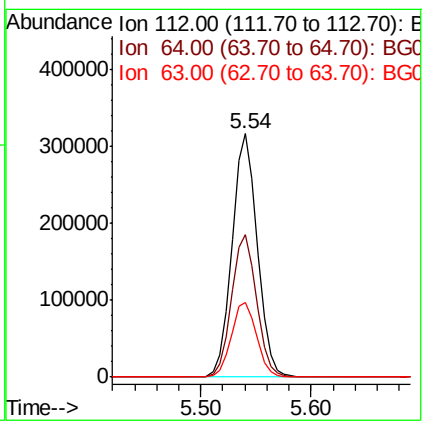


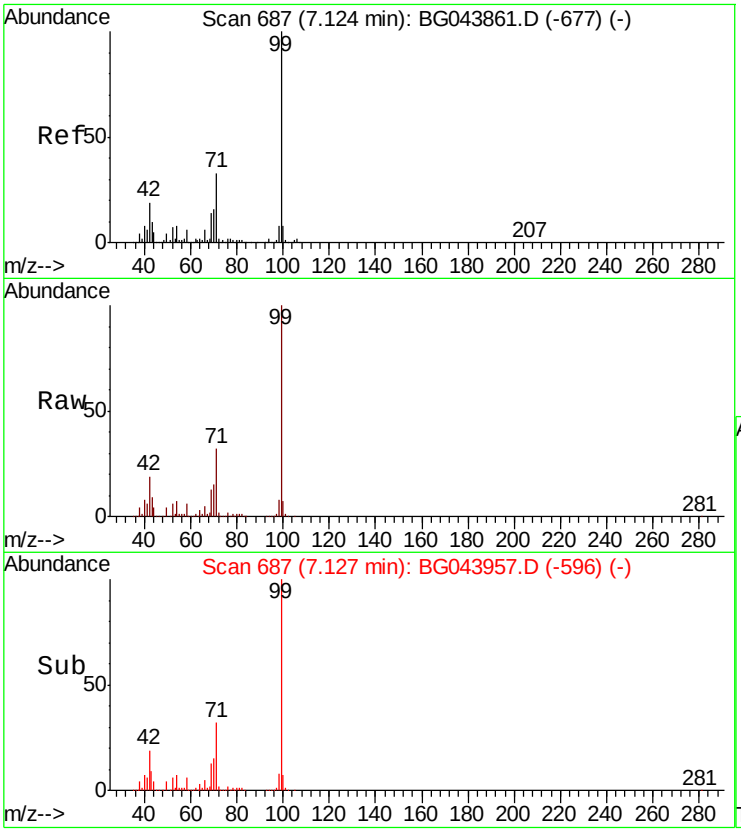




#5
2-Fluorophenol
Concen: 57.008 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:112 Resp: 508248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.5 | 47.8 | 71.6 |
| 63 | 30.7 | 24.3 | 36.5 |



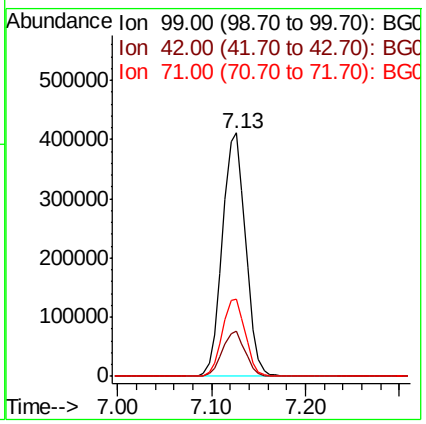


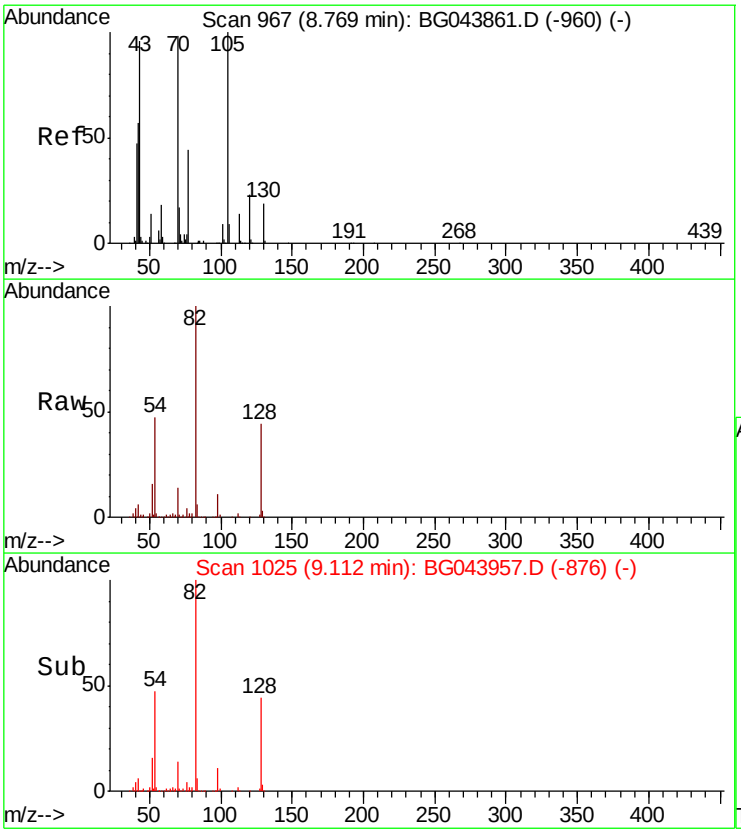

#7
Phenol-d6
Concen: 56.898 ng
RT: 7.13 min Scan# 687
Delta R.T. 0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion: 99 Resp: 709068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 14.9 | 22.3 |
| 71 | 31.5 | 26.4 | 39.6 |

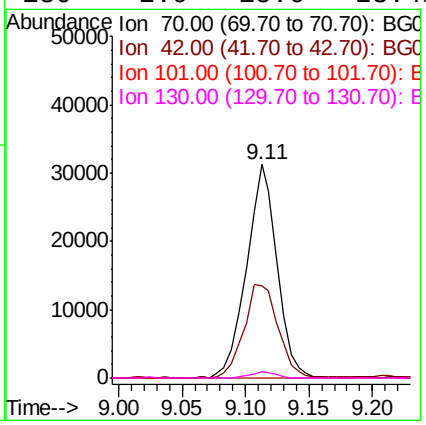


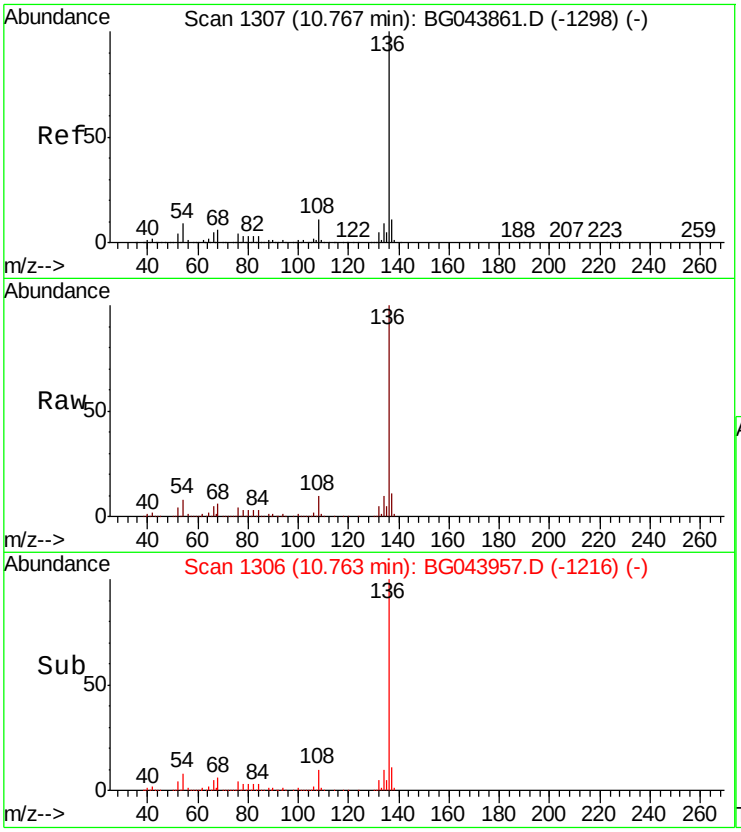




#19
n-Nitroso-di-n-propylamine
Concen: 5.636 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.34 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion: 70 Resp: 52304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.9 | 47.0 | 70.4# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.9 | 15.6 | 23.4# |



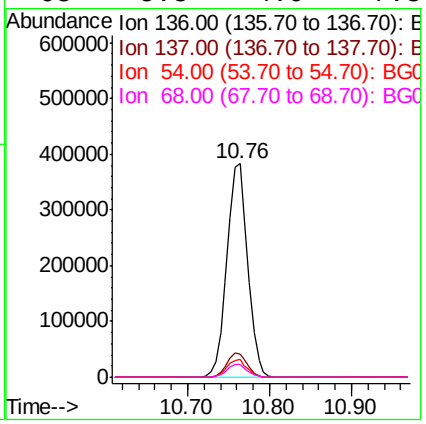


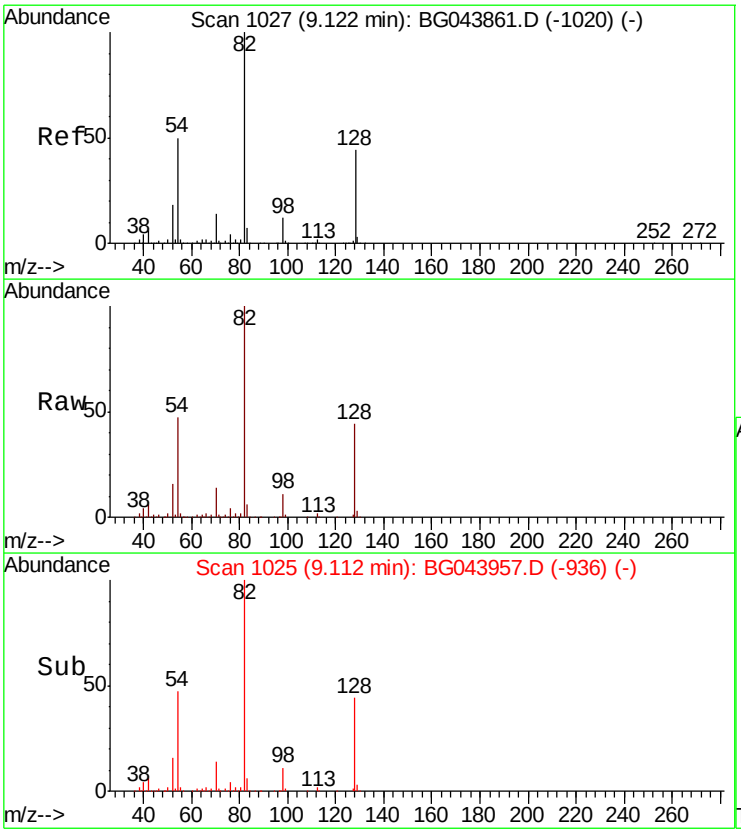

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:136 Resp: 677218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 8.2 | 7.0 | 10.4 |
| 68 | 5.8 | 4.9 | 7.3 |

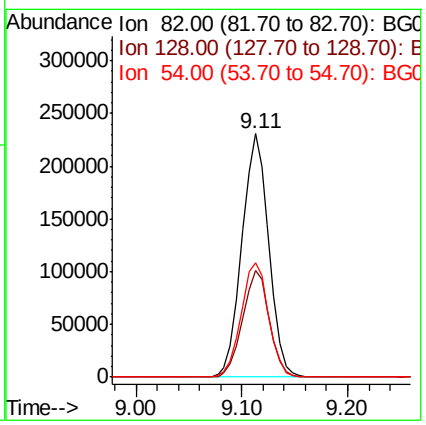


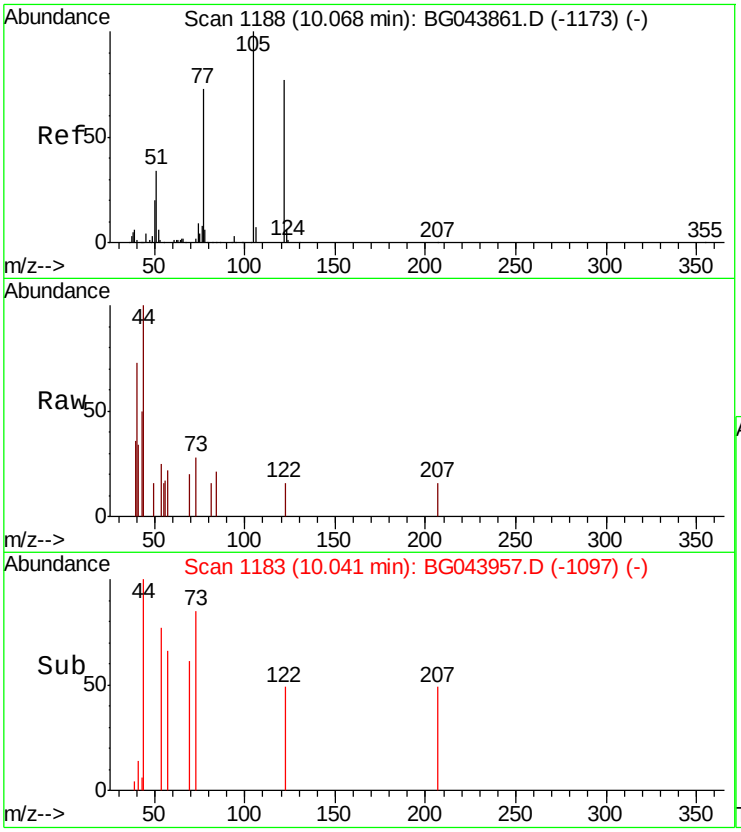




#23
Nitrobenzene-d5
Concen: 32.076 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion: 82 Resp: 406059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 35.1 | 52.7 |
| 54 | 47.1 | 40.1 | 60.1 |



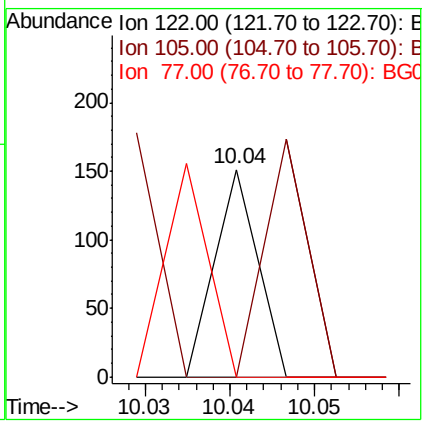


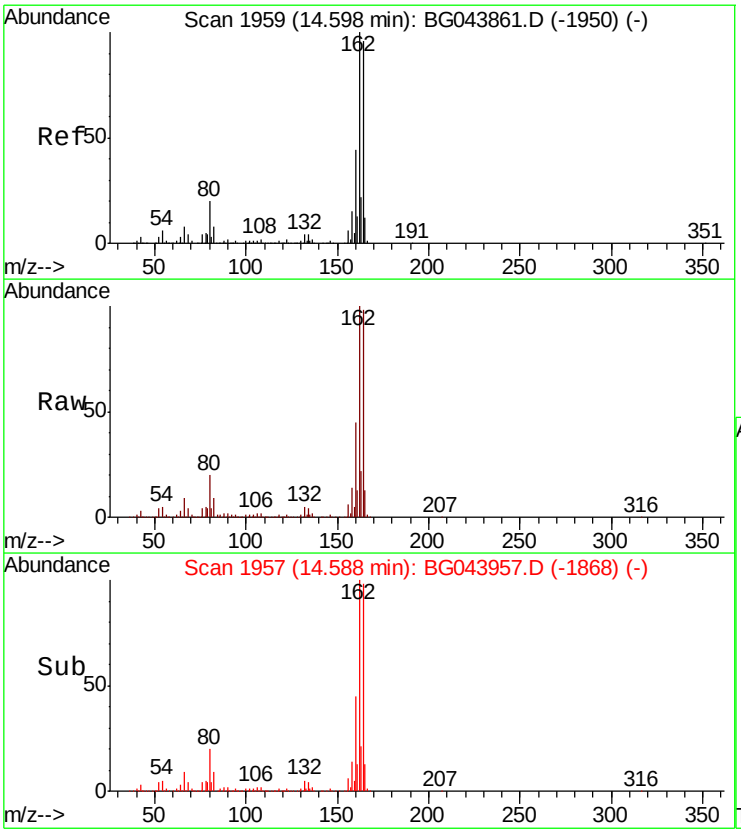

#32
Benzoic acid
Concen: 6.268 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:122 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 106.4 | 146.4# |
| 77 | 0.0 | 74.6 | 114.6# |

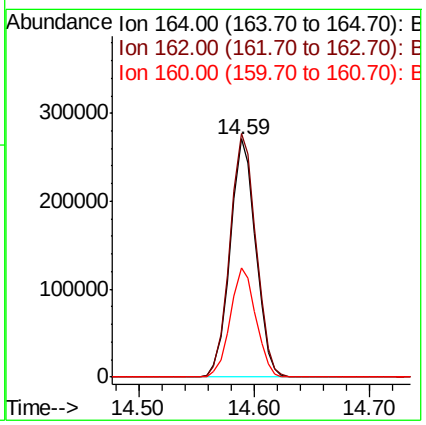


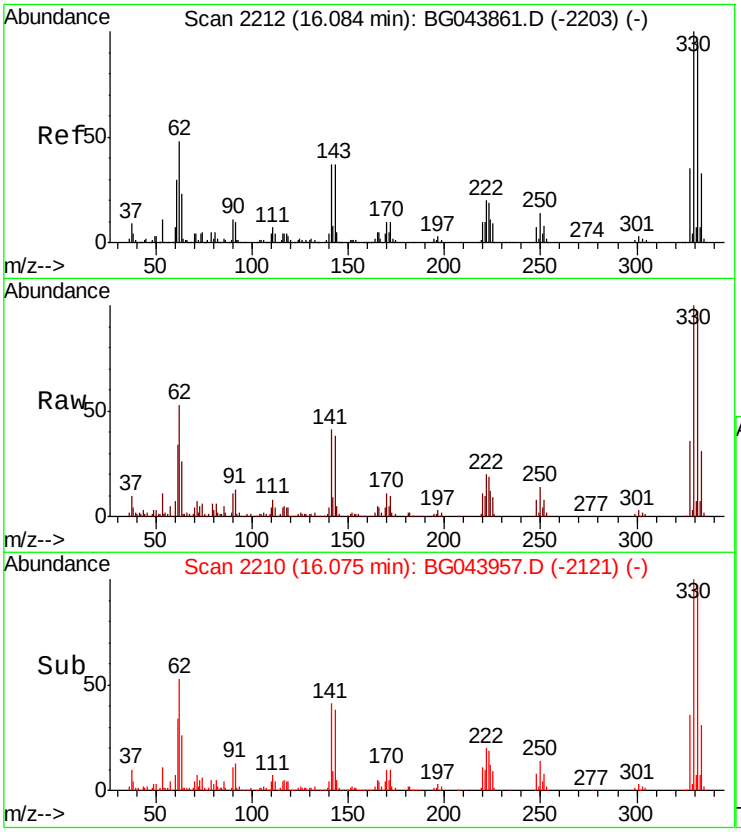




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:164 Resp: 414120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 83.0 | 124.4 |
| 160 | 46.0 | 36.1 | 54.1 |



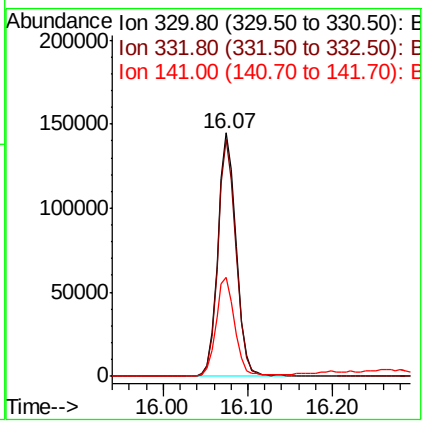


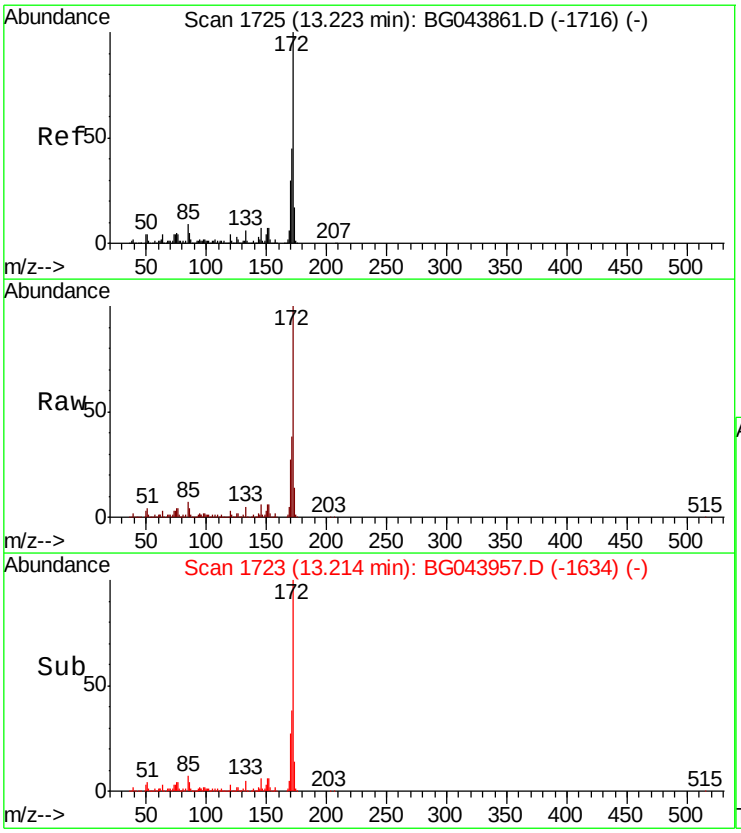

#42
2,4,6-Tribromophenol
Concen: 50.608 ng
RT: 16.07 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:330 Resp: 219319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 77.2 | 115.8 |
| 141 | 41.7 | 33.1 | 49.7 |

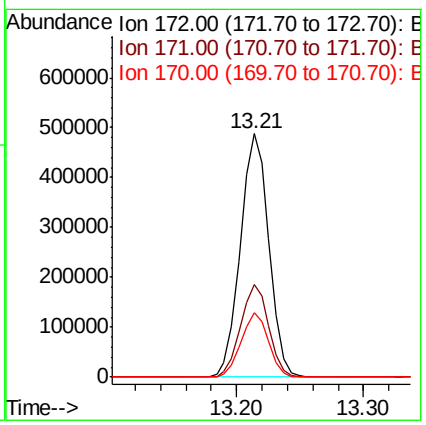


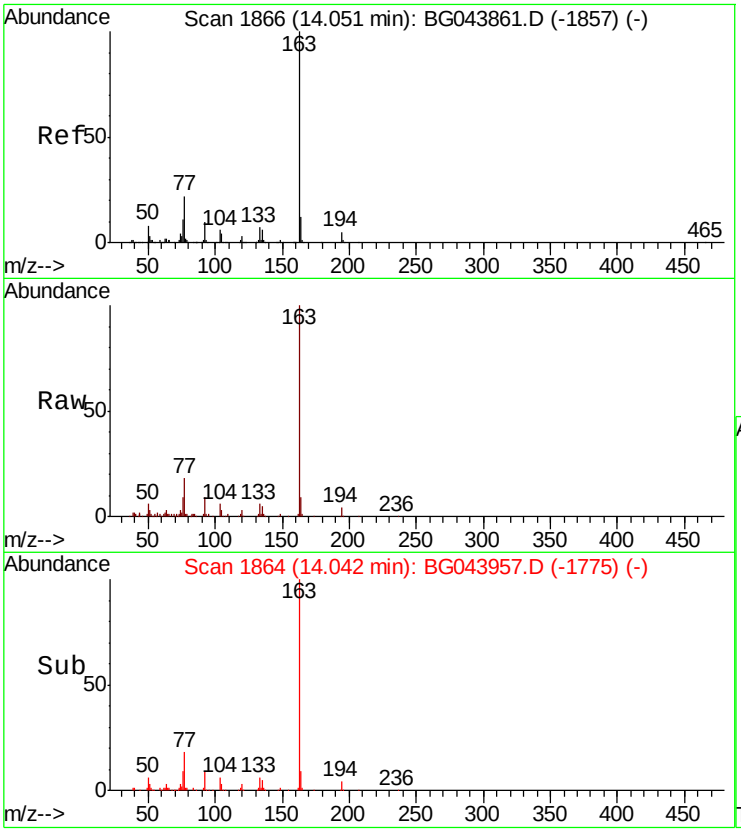




#45
2-Fluorobiphenyl
Concen: 33.102 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:172 Resp: 756623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.2 | 35.8 | 53.8 |
| 170 | 26.6 | 24.2 | 36.4 |



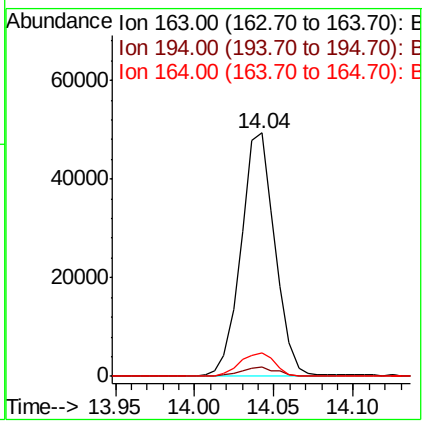


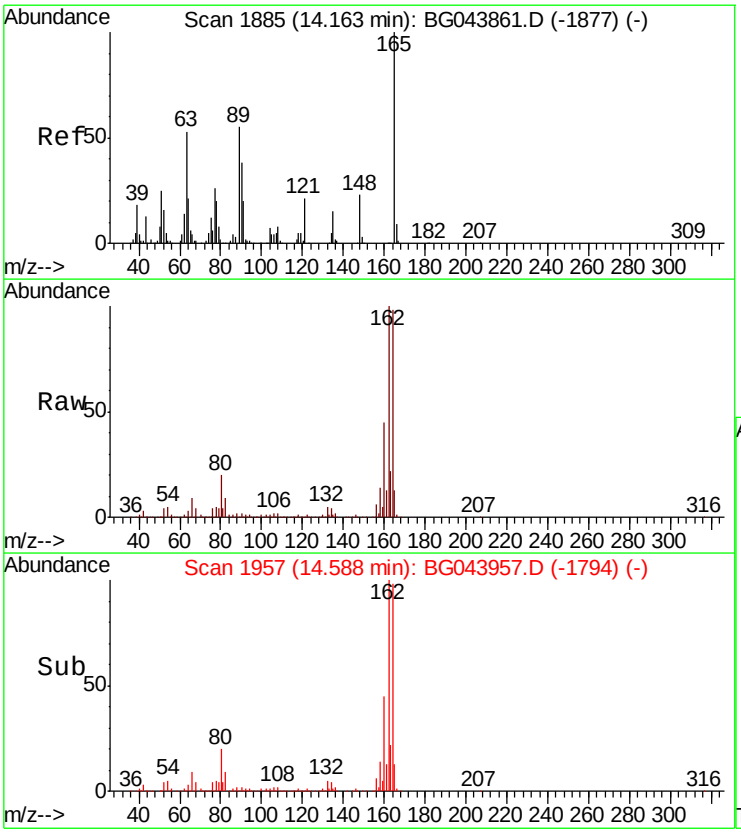

#50
Dimethylphthalate
Concen: 2.494 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:163 Resp: 73337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.7 | 5.5 |
| 164 | 9.4 | 9.3 | 13.9 |

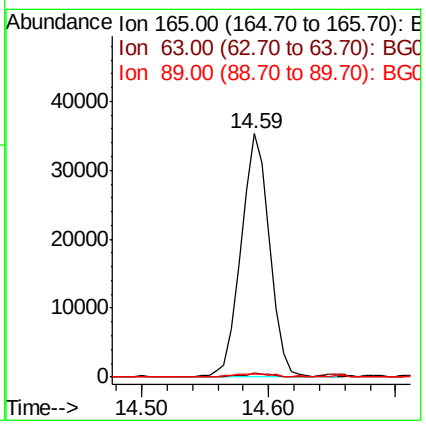


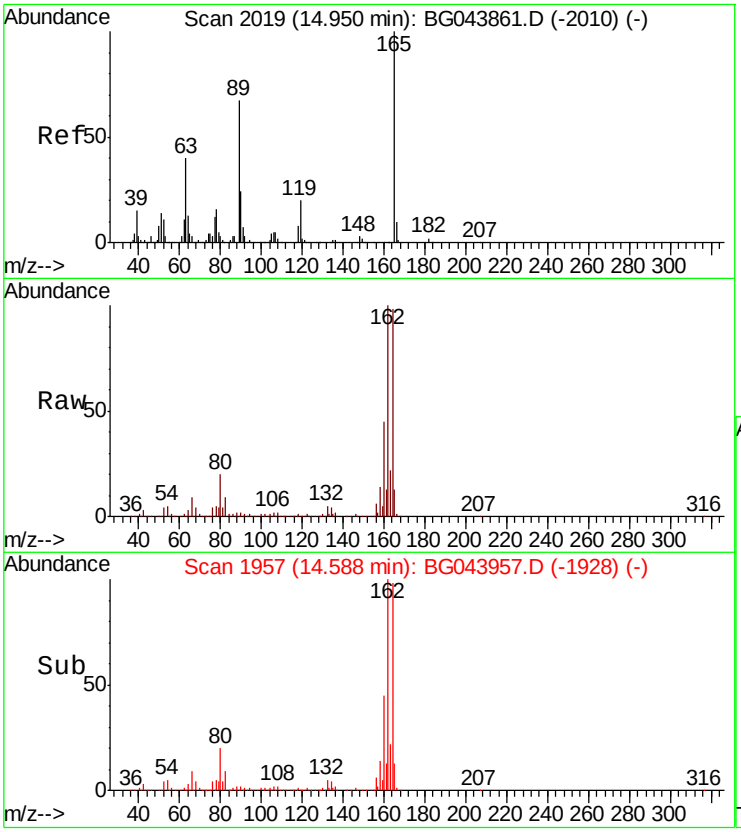




#51
2,6-Dinitrotoluene
Concen: 8.258 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.43 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:165 Resp: 54880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.8 | 43.1 | 64.7# |
| 89 | 1.1 | 43.8 | 65.6# |



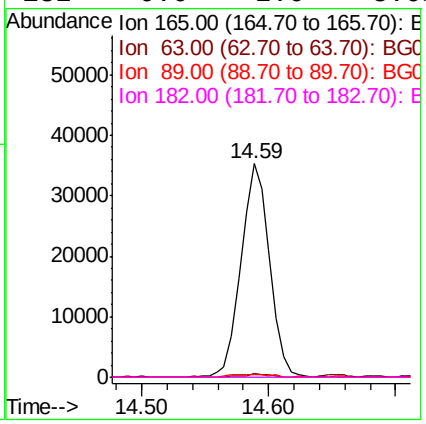


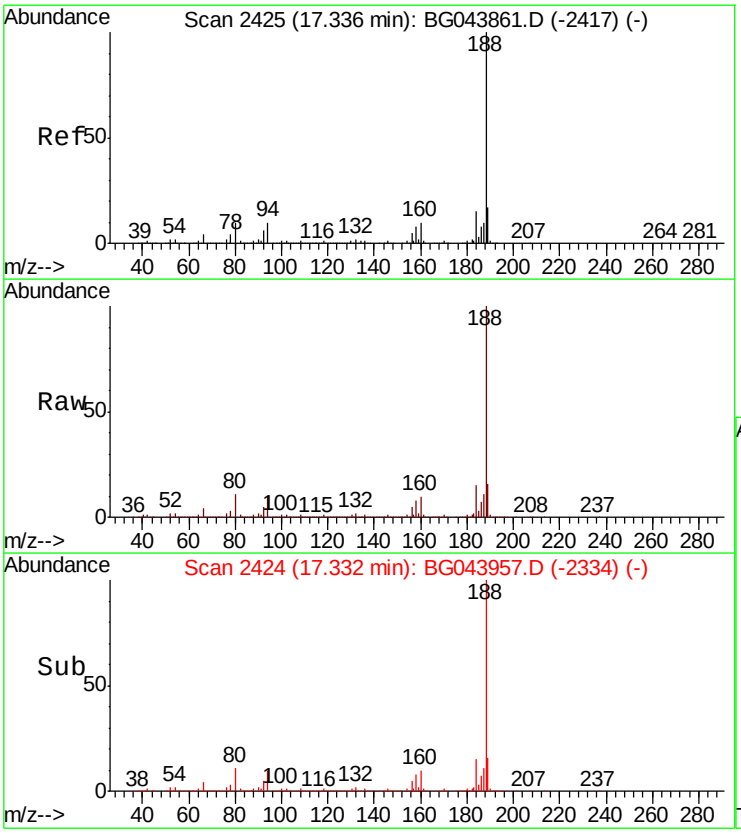

#57
2,4-Dinitrotoluene
Concen: 6.069 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.36 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:165 Resp: 54880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.8 | 31.9 | 47.9# |
| 89 | 1.1 | 53.8 | 80.6# |
| 182 | 0.0 | 2.0 | 3.0# |

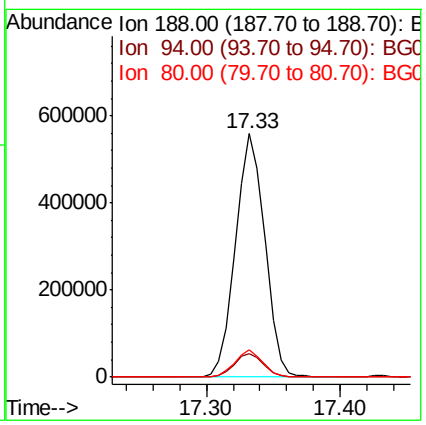


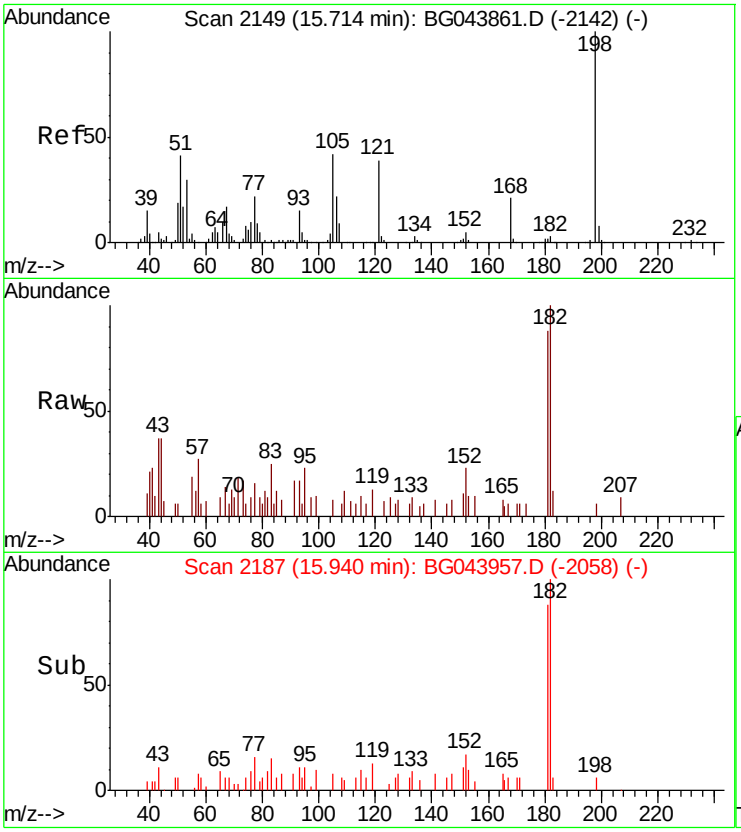




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:188 Resp: 848835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 7.9 | 11.9 |
| 80 | 11.0 | 8.2 | 12.4 |



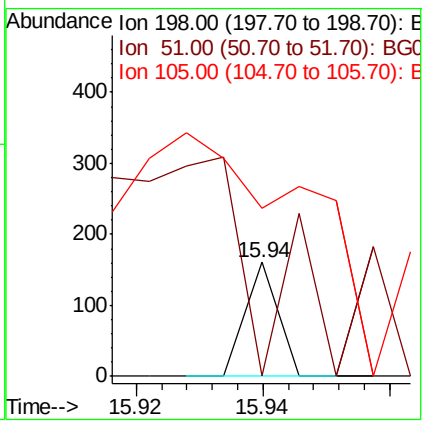


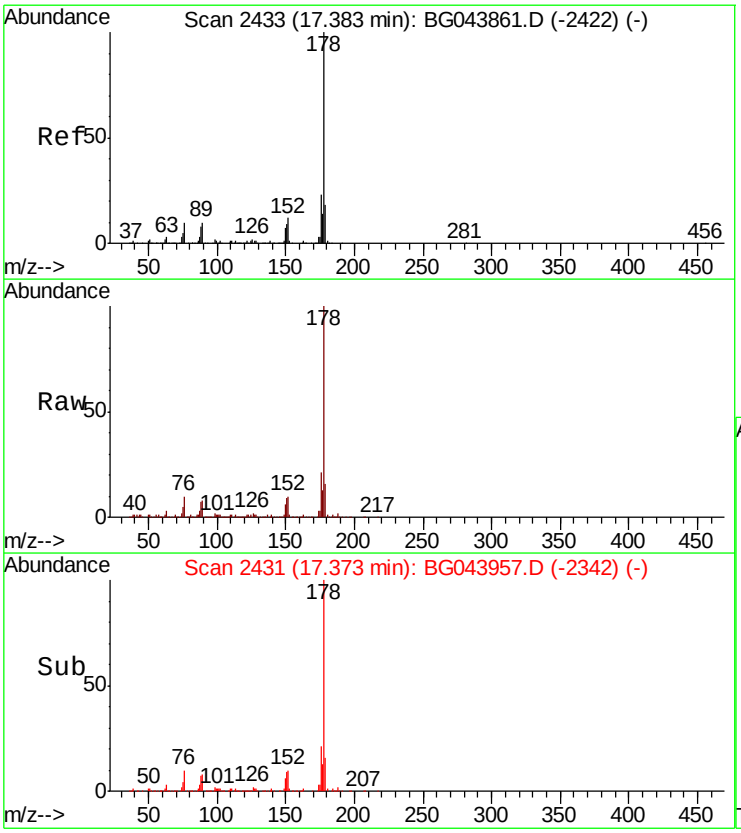

#65
4,6-Dinitro-2-methylphenol
Concen: 4.402 ng
RT: 15.94 min Scan# 2187
Delta R.T. 0.23 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:198 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 0.0 | 22.5 | 62.5# |
| 105 | 147.2 | 22.3 | 62.3# |

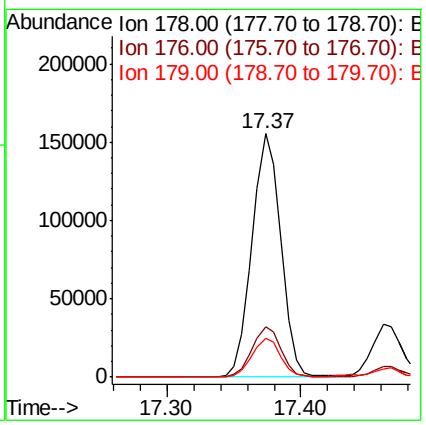


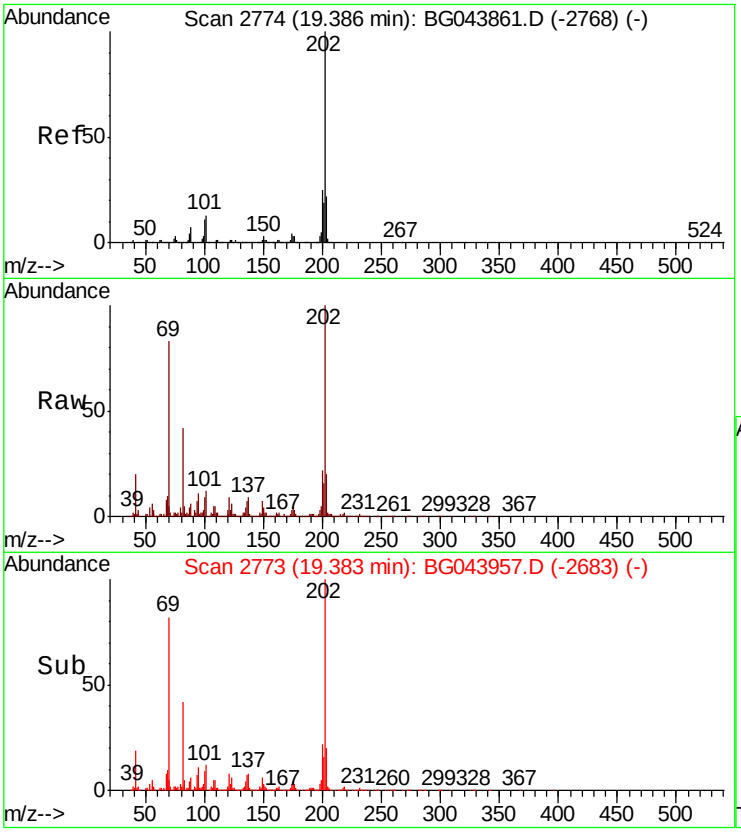




#71
Phenanthrene
Concen: 5.683 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:178 Resp: 231370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 18.6 | 28.0 |
| 179 | 15.7 | 14.4 | 21.6 |



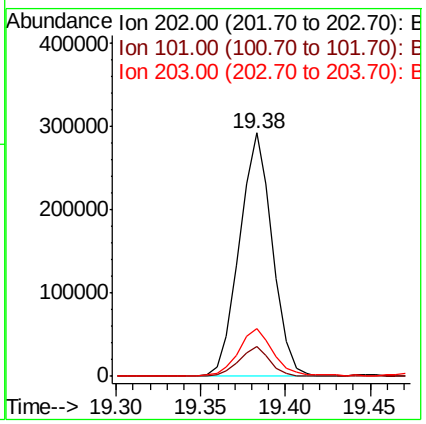


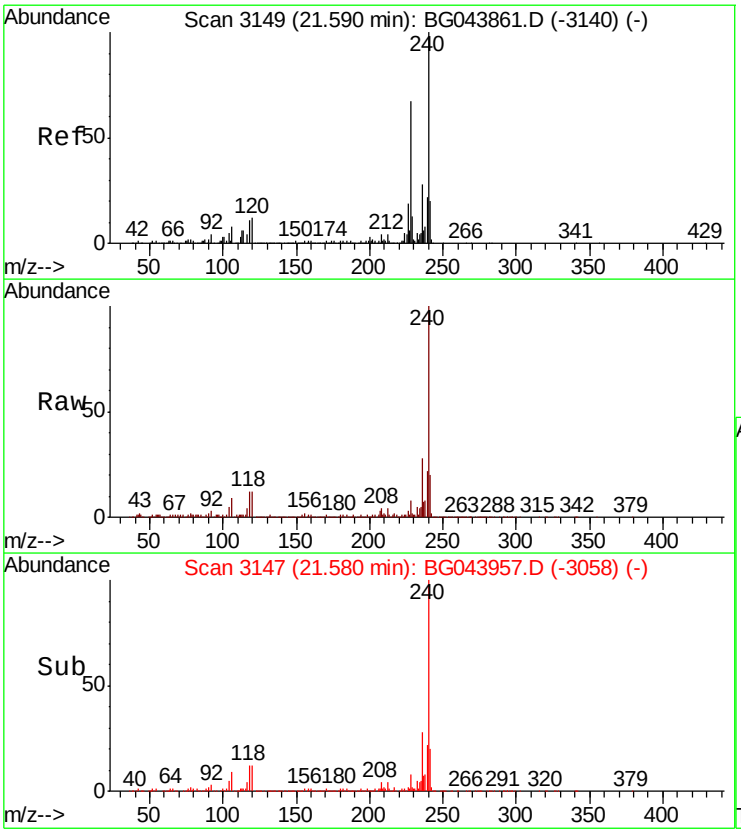

#75
Fluoranthene
Concen: 8.517 ng
RT: 19.38 min Scan# 2773
Delta R.T. -0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:202 Resp: 396574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 33.3 |
| 203 | 19.6 | 1.6 | 41.6 |

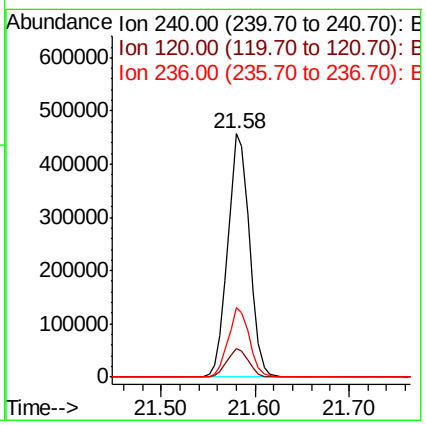


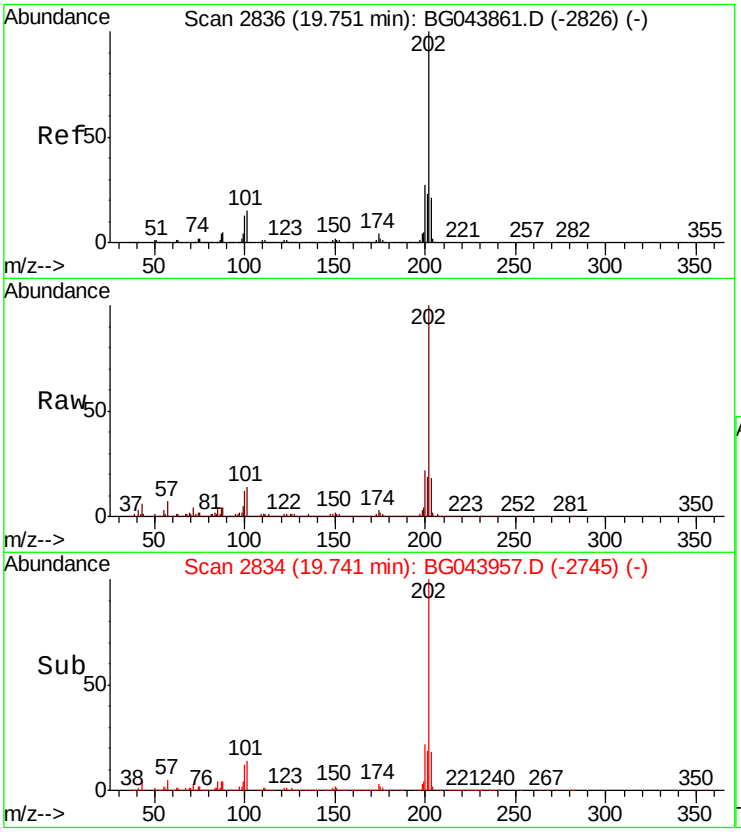




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:240 Resp: 730717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 9.6 | 14.4 |
| 236 | 28.4 | 22.2 | 33.2 |



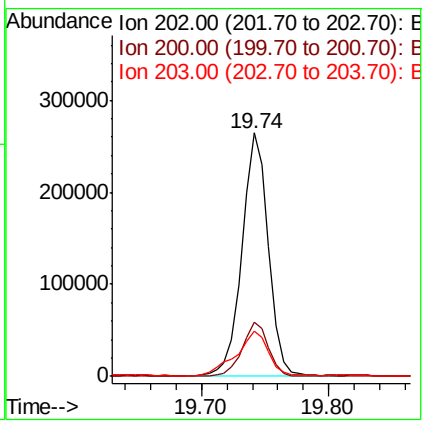


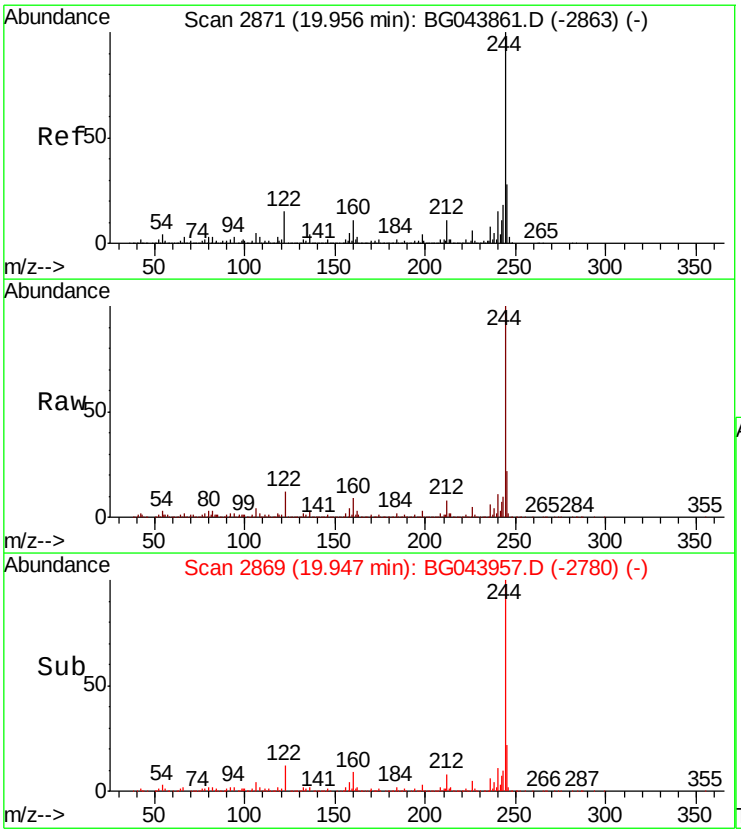

#78
Pyrene
Concen: 7.939 ng
RT: 19.74 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:202 Resp: 378675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.0 | 21.7 | 32.5 |
| 203 | 18.4 | 17.0 | 25.6 |

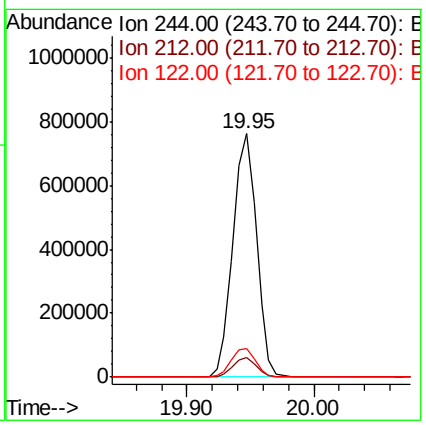


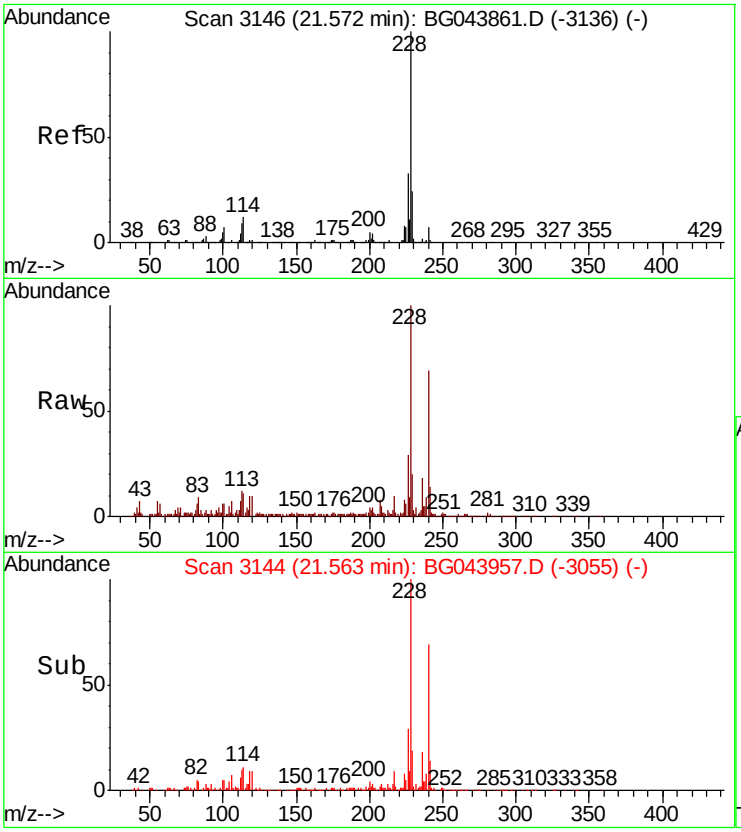




#79
Terphenyl-d14
Concen: 23.554 ng
RT: 19.95 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:244 Resp: 984361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 8.6 | 13.0# |
| 122 | 11.8 | 11.9 | 17.9# |



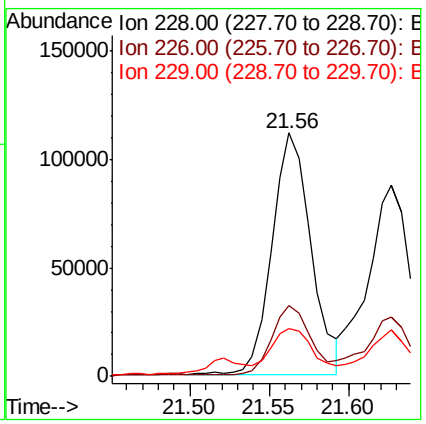


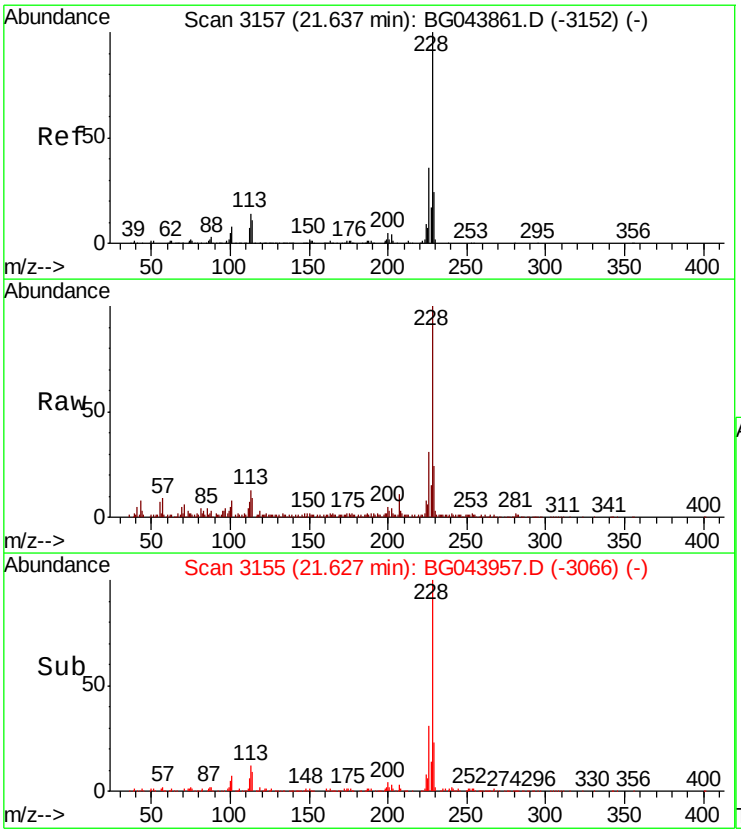

#81
Benzo(a)anthracene
Concen: 4.229 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:228 Resp: 191615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 26.2 | 39.4 |
| 229 | 19.8 | 18.9 | 28.3 |

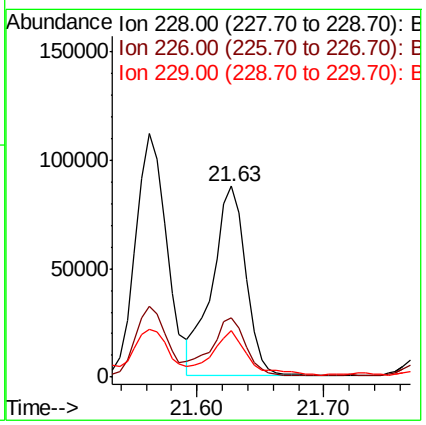


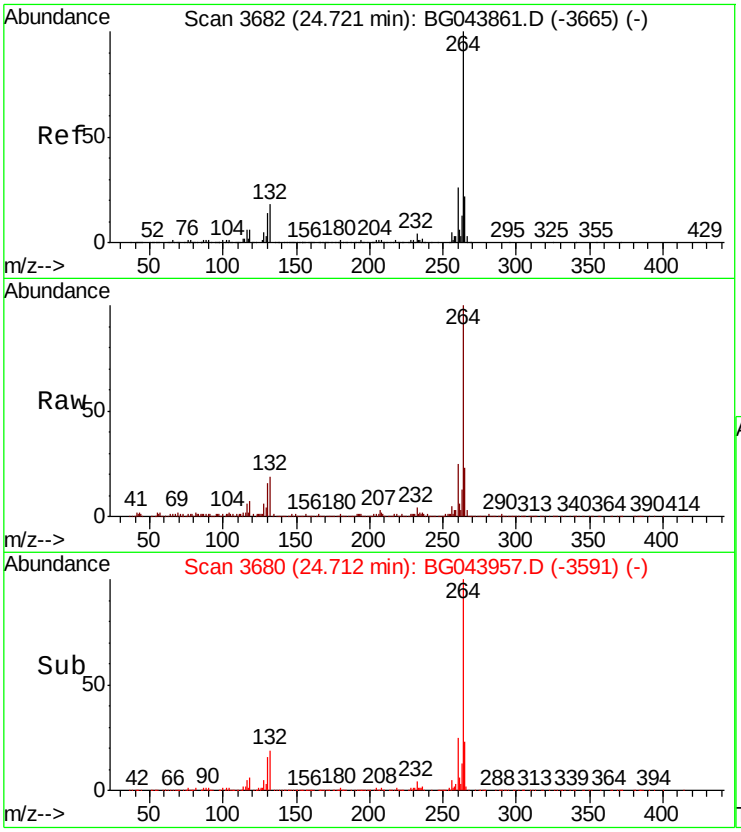




#83
Chrysene
Concen: 3.749 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:228 Resp: 161389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 28.8 | 43.2 |
| 229 | 24.2 | 19.0 | 28.6 |



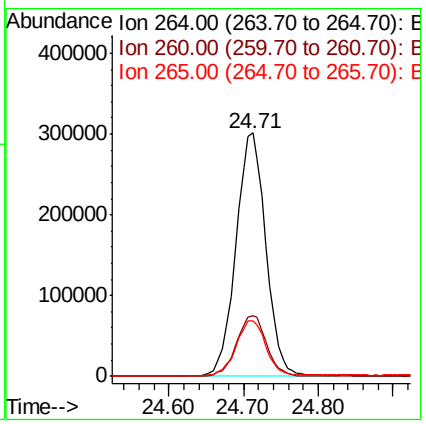


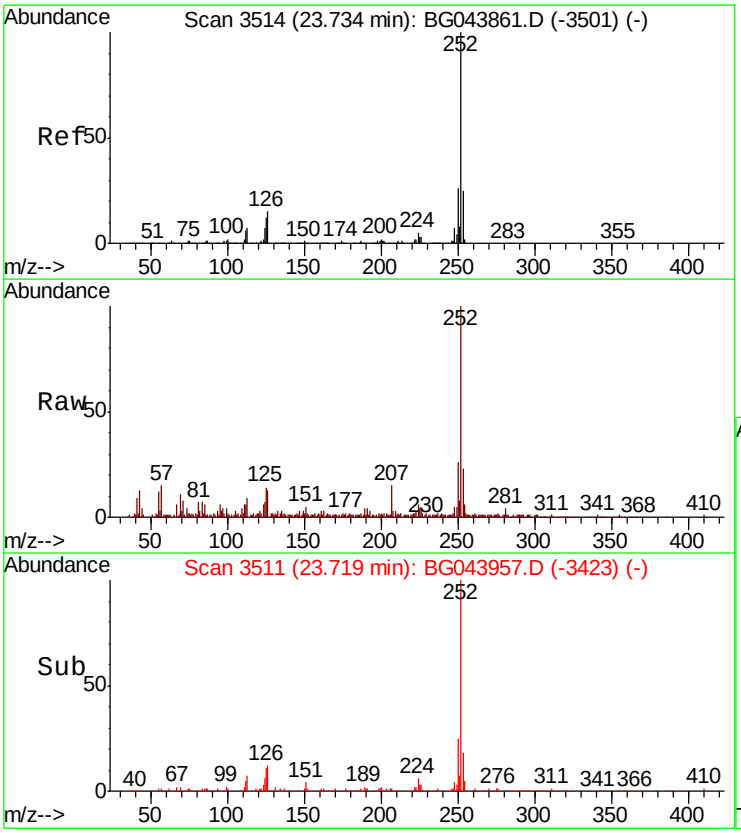

#87
Perylene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:264 Resp: 830736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 20.4 | 30.6 |
| 265 | 22.8 | 17.4 | 26.2 |

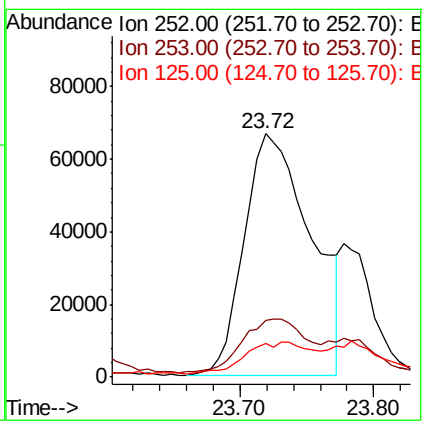


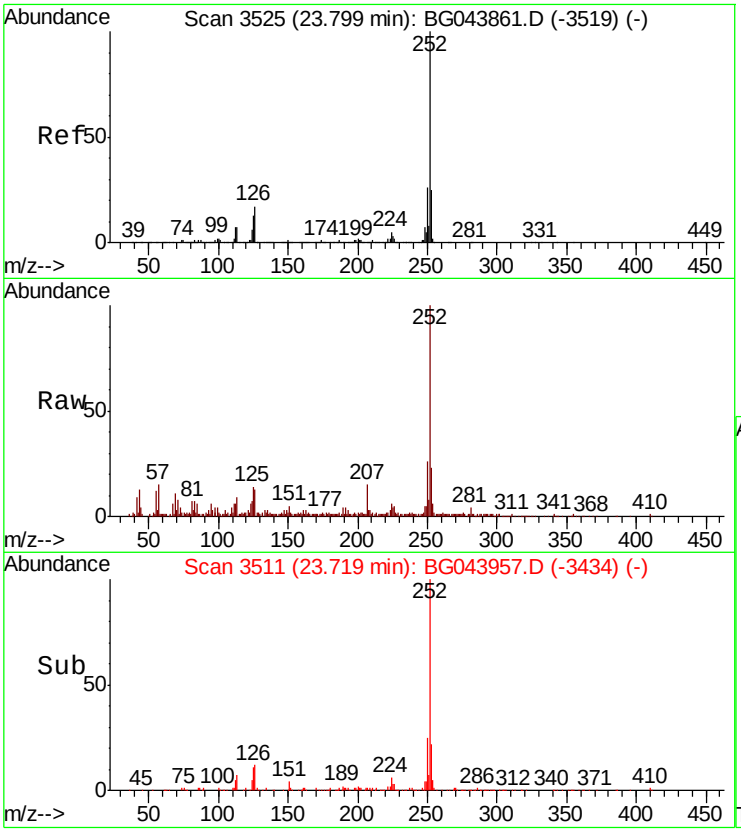




#88
Benzo(b)fluoranthene
Concen: 4.698 ng
RT: 23.72 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:252 Resp: 230702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 19.7 | 29.5 |
| 125 | 13.8 | 9.4 | 14.2 |



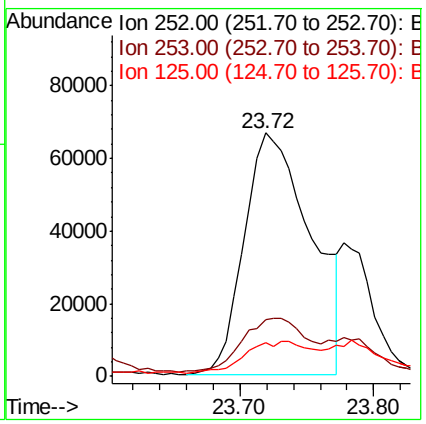


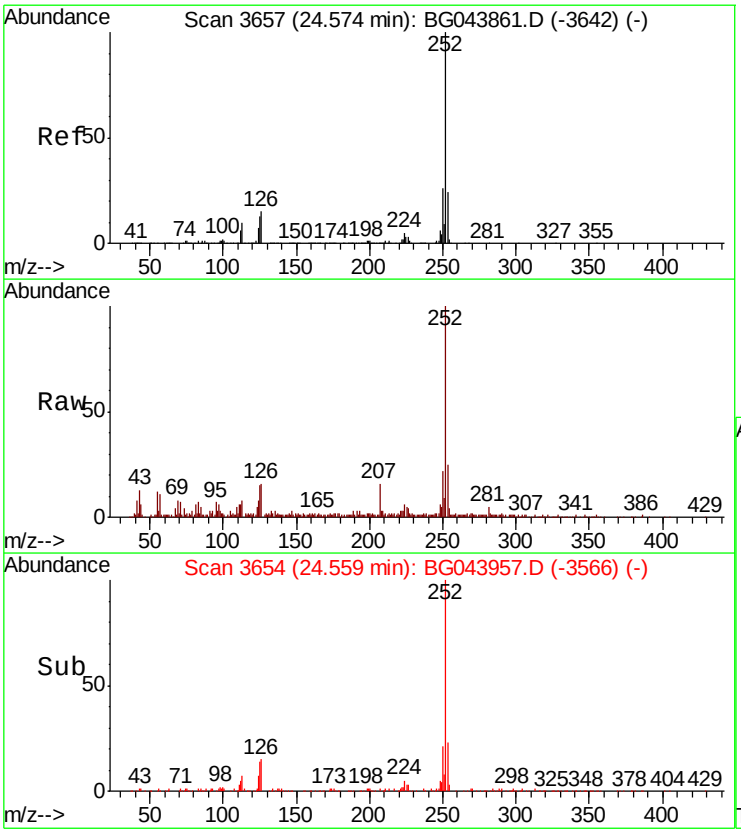

#89
Benzo(k)fluoranthene
Concen: 4.940 ng
RT: 23.72 min Scan# 3511
Delta R.T. -0.08 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:252 Resp: 230702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 19.4 | 29.2 |
| 125 | 13.8 | 9.9 | 14.9 |

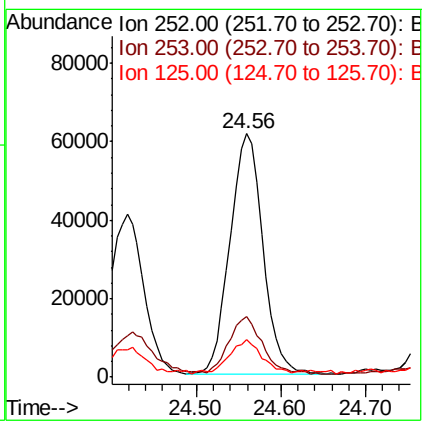


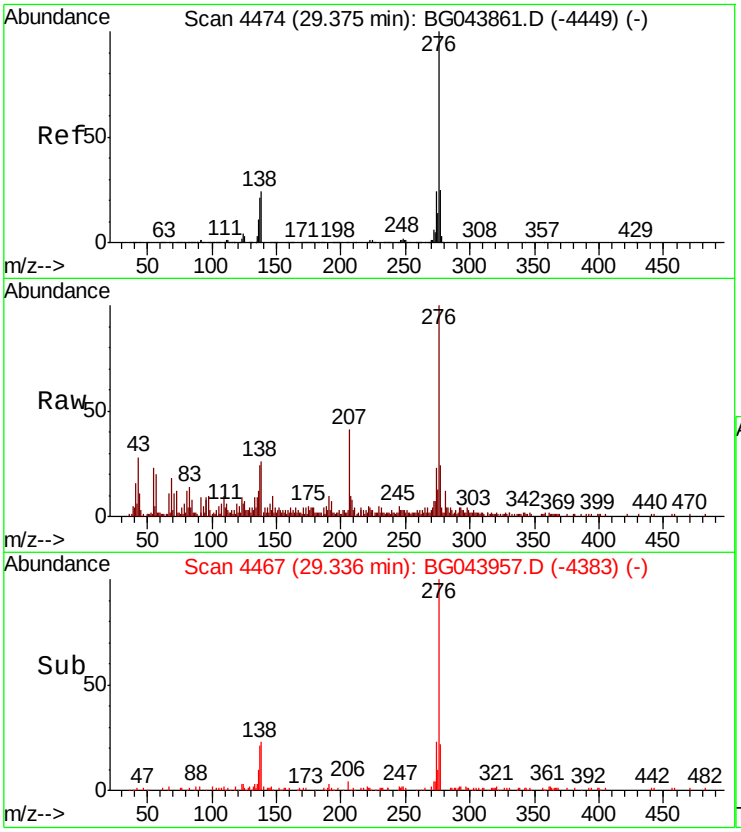




#90
Benzo(a)pyrene
Concen: 3.573 ng
RT: 24.56 min Scan# 3654
Delta R.T. -0.02 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:252 Resp: 165631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 19.3 | 28.9 |
| 125 | 15.4 | 10.4 | 15.6 |






#92
Benzo(g,h,i)perylene
Concen: 2.302 ng
RT: 29.34 min Scan# 4467
Delta R.T. -0.04 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

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

Tgt Ion:276 Resp: 106426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 20.2 | 30.4 |
| 138 | 26.0 | 19.0 | 28.6 |