Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG091418\

Quantitation Report (Not Reviewed)

Data File : BG036737.D
Acq On : 15 Sep 2018 12:21
Operator : JU/SJ
Sample : J4898-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ROLLOFF01-COMP-FILL

Quant Time: Sep 17 03:49:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 57749 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.86 | 136 | 230025 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 151228 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 381233 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.68 | 240 | 422107 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.88 | 264 | 435549 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 379742 | 104.31 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 496380 | 95.23 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 371307 | 87.58 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 255926 | 141.83 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 835960 | 78.93 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1477940 | 81.84 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 17) 2-Methylphenol | 8.49 | 107 | 10605 | 2.928 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 9.21 | 70 | 48721 | 12.507 | ng | # | 76 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 28614 | 5.659 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 30016 | 8.949 | ng | | 99 |
| 31) Naphthalene | 10.92 | 128 | 3905633 | 339.658 | ng | # | 79 |
| 32) Benzoic acid | 10.02 | 122 | 30016 | 15.424 | ng | # | 17 |
| 33) 4-Chloroaniline | 10.92 | 127 | 754250 | 143.143 | ng | # | 36 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 401851 | 47.762 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 70505 | 5.617 | ng | | 94 |
| 48) Acenaphthylene | 14.40 | 152 | 104660 | 6.988 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.68 | 165 | 22621 | 8.902 | ng | # | 23 |
| 51) Acenaphthene | 14.74 | 154 | 168581 | 17.575 | ng | | 98 |
| 54) Dibenzofuran | 15.07 | 168 | 186241 | 12.393 | ng | | 97 |
| 55) 4-Nitrophenol | 15.07 | 139 | 67839 | 30.300 | ng | # | 2 |
| 57) Fluorene | 15.72 | 166 | 147108 | 13.095 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.16 | 248 | 17558 | 3.934 | ng | # | 1 |
| 70) Phenanthrene | 17.46 | 178 | 237795 | 12.275 | ng | | 98 |
| 71) Anthracene | 17.55 | 178 | 55338 | 2.866 | ng | | 99 |
| 72) Carbazole | 17.82 | 167 | 451055 | 23.389 | ng | | 98 |
| 76) Benzidine | 20.02 | 184 | 26945 | 2.001 | ng | | 96 |

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

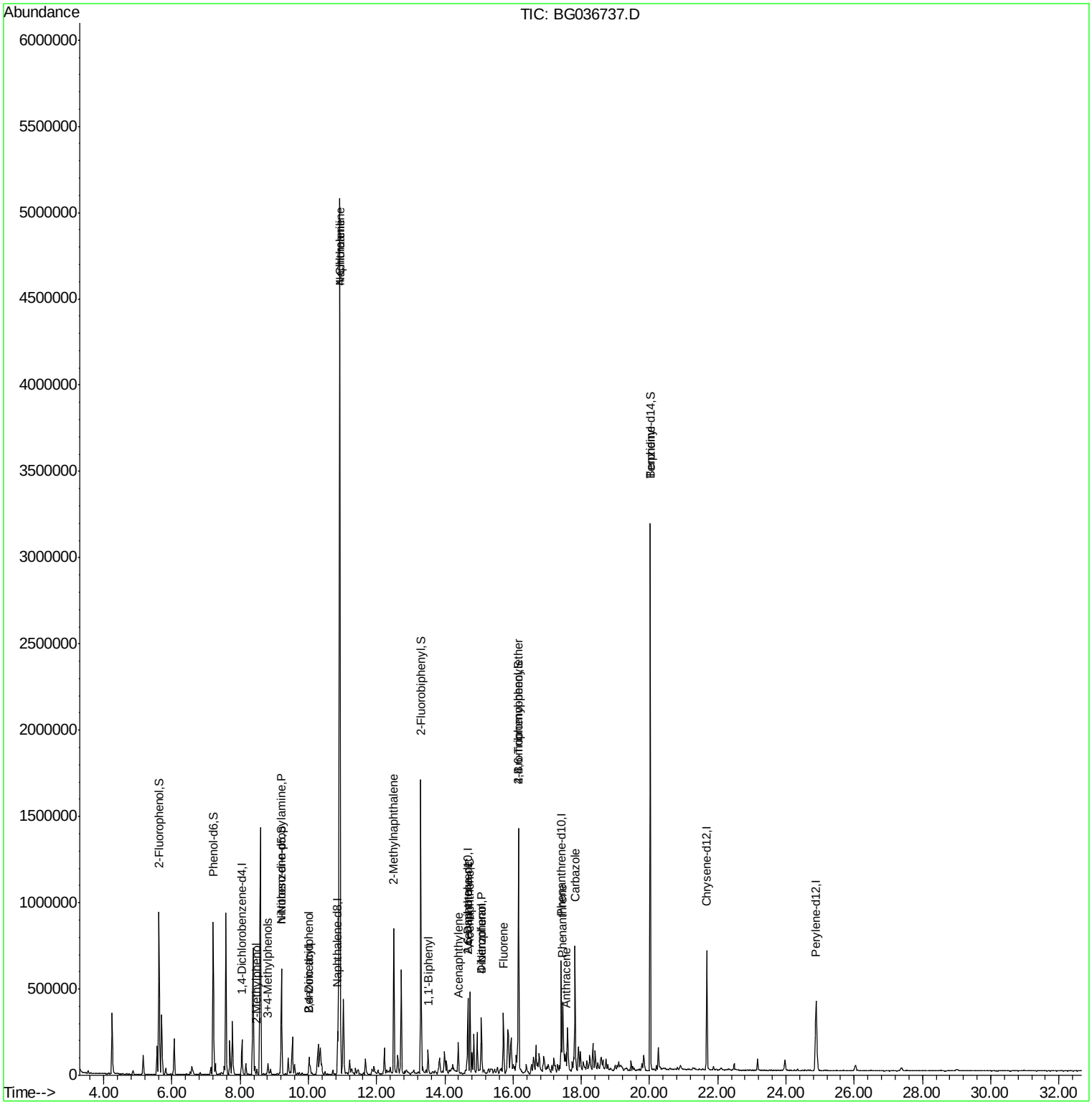
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG091418\

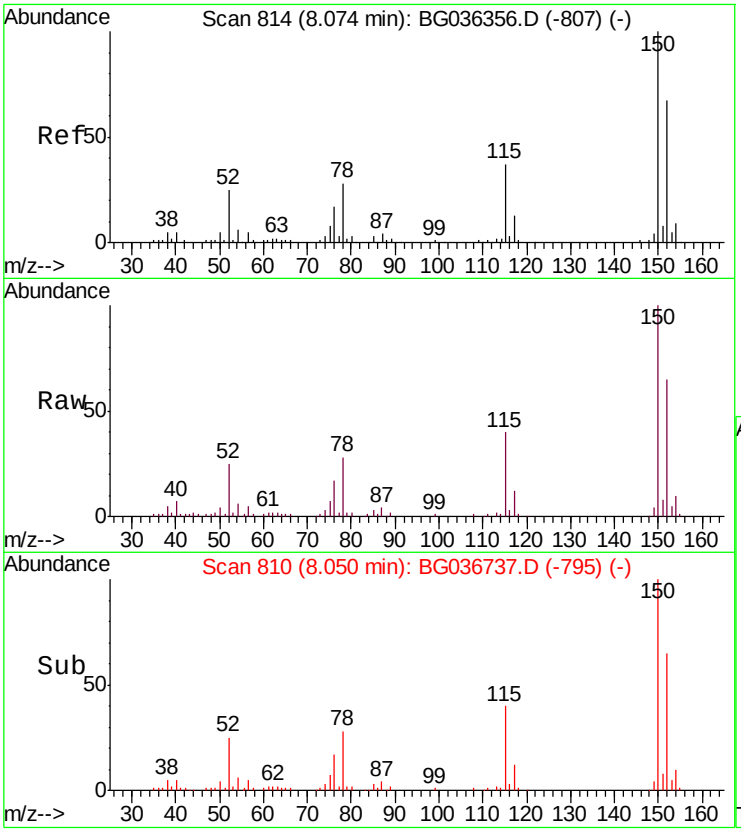
Quantitation Report (Not Reviewed)

Data File : BG036737.D
Acq On : 15 Sep 2018 12:21
Operator : JU/SJ
Sample : J4898-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Quant Time: Sep 17 03:49:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration



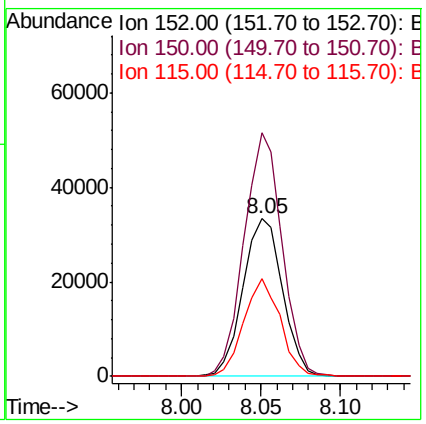


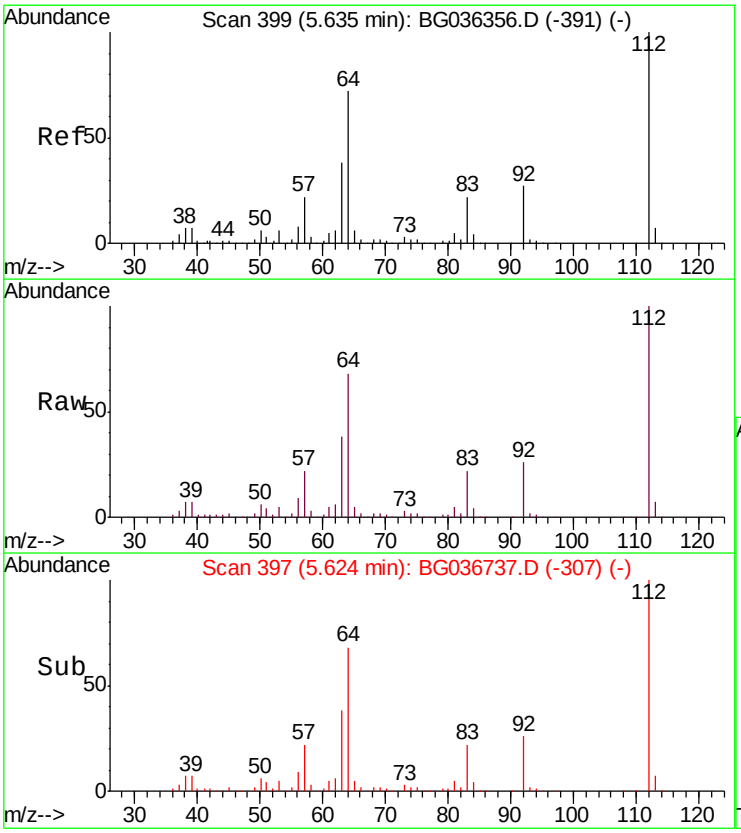

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:152 Resp: 57749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 119.5 | 179.3 |
| 115 | 61.7 | 44.5 | 66.7 |

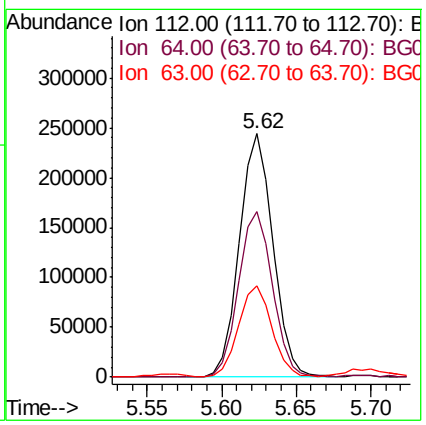


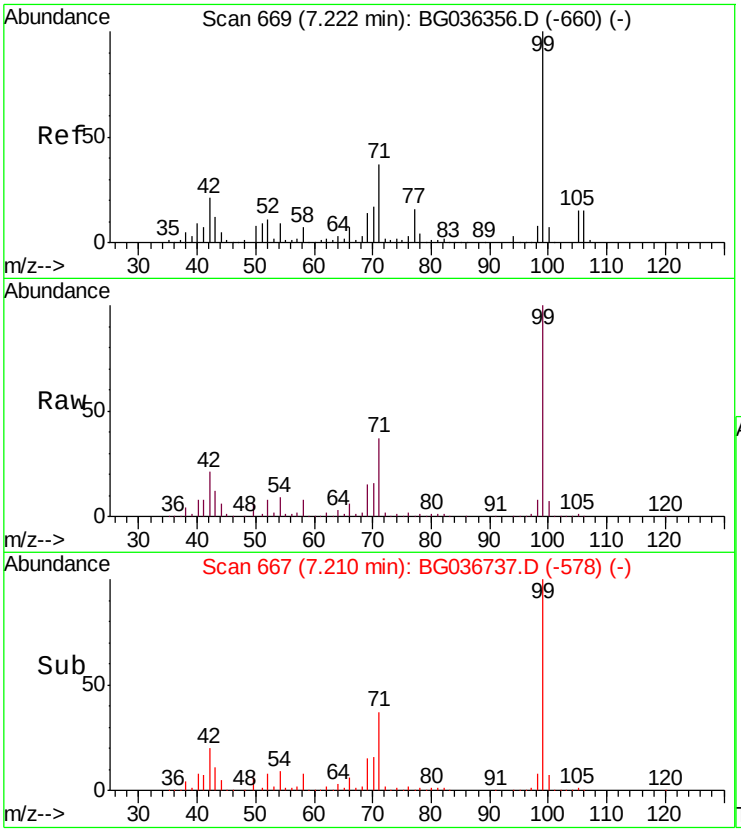




#5
2-Fluorophenol
Concen: 104.311 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:112 Resp: 379742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.0 | 57.2 | 85.8 |
| 63 | 37.7 | 30.8 | 46.2 |



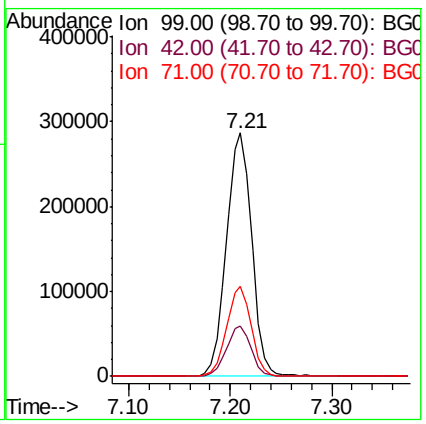


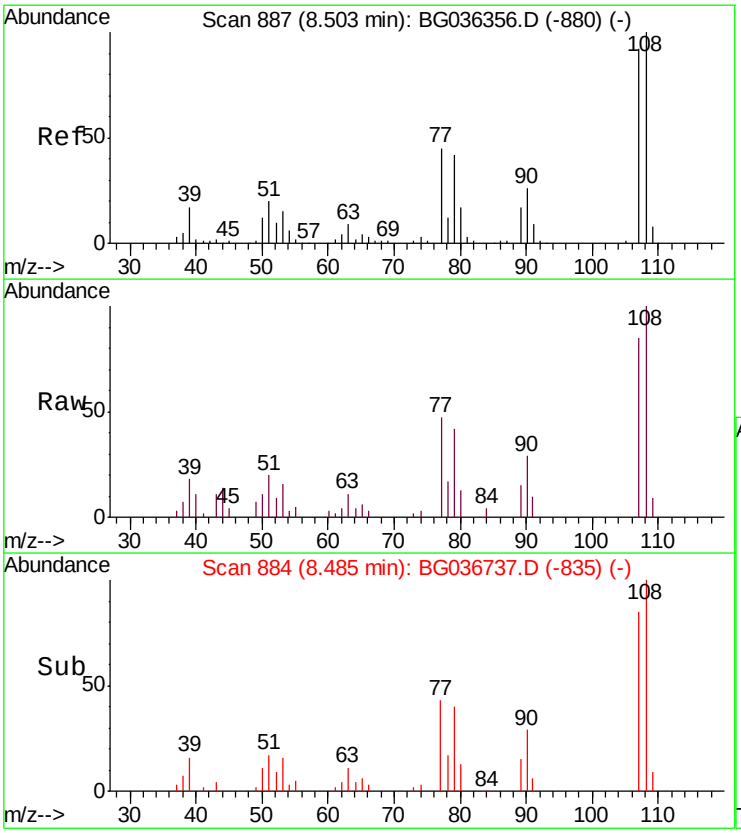

#7
Phenol-d6
Concen: 95.233 ng
RT: 7.21 min Scan# 667
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion: 99 Resp: 496380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 16.5 | 24.7 |
| 71 | 36.8 | 29.4 | 44.2 |

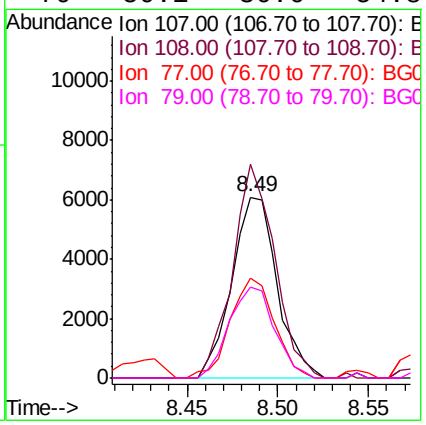


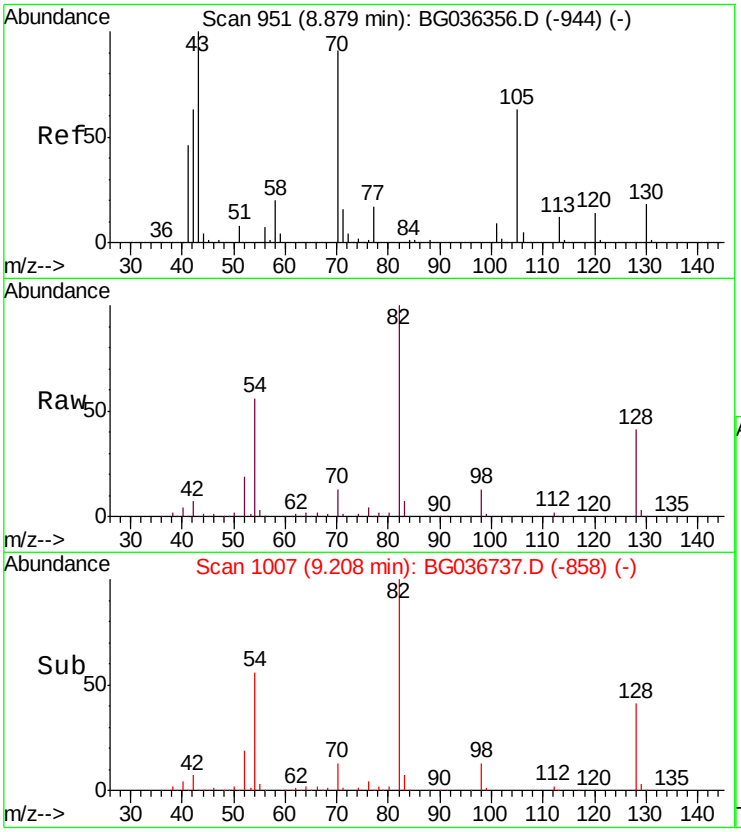




#17
2-Methylphenol
Concen: 2.928 ng
RT: 8.49 min Scan# 884
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:107 Resp: 10605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 117.9 | 86.7 | 130.1 |
| 77 | 55.0 | 39.0 | 58.4 |
| 79 | 50.1 | 36.6 | 54.8 |



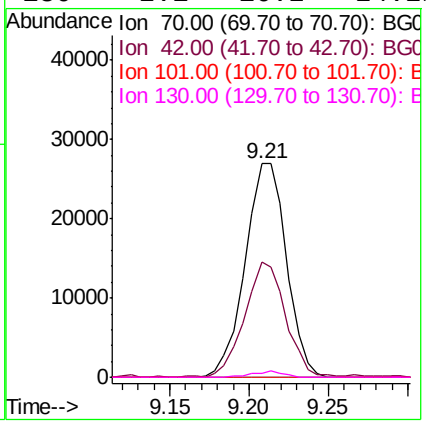


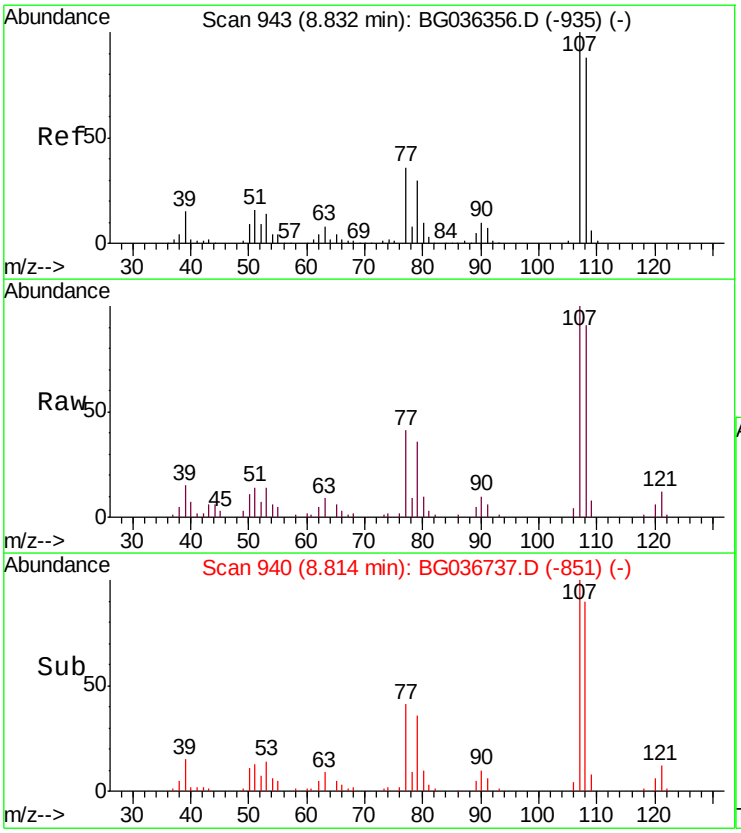

#19
n-Nitroso-di-n-propylamine
Concen: 12.507 ng
RT: 9.21 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion: 70 Resp: 48721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.1 | 56.2 | 84.4# |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 2.1 | 16.2 | 24.2# |

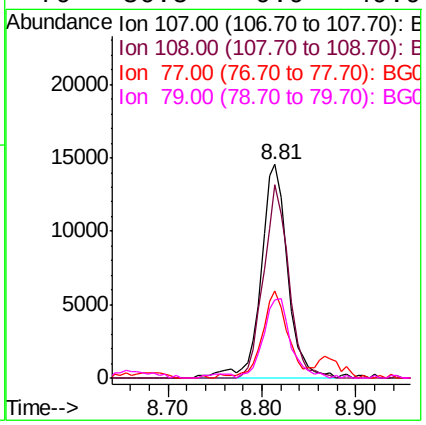


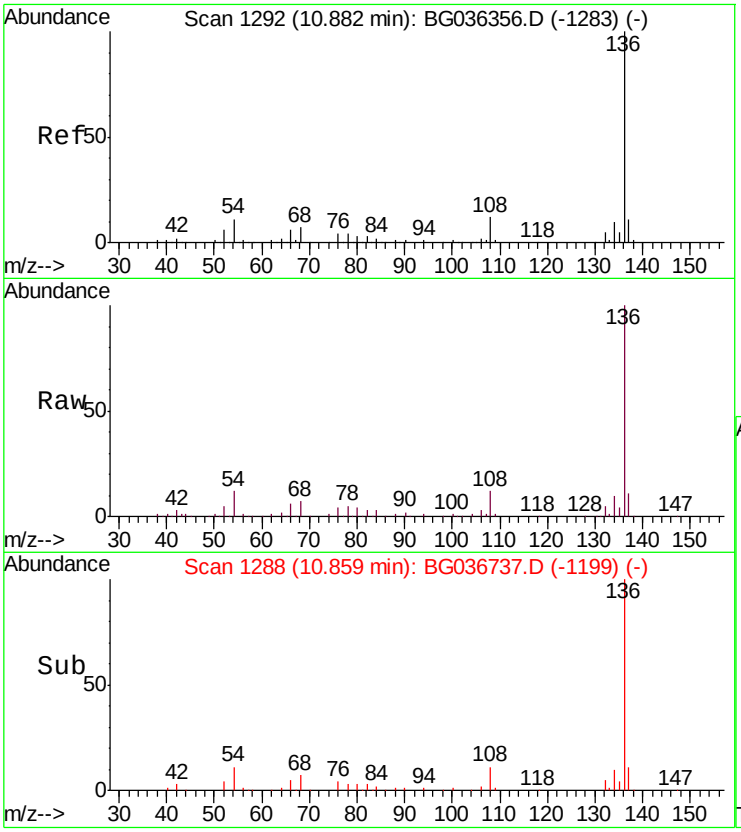




#20
3+4-Methylphenols
Concen: 5.659 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:107 Resp: 28614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.6 | 68.0 | 108.0 |
| 77 | 40.8 | 15.6 | 55.6 |
| 79 | 36.5 | 9.9 | 49.9 |



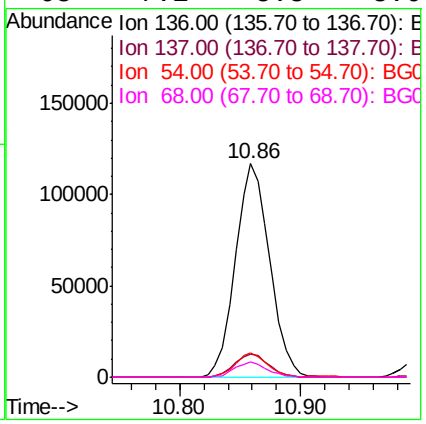


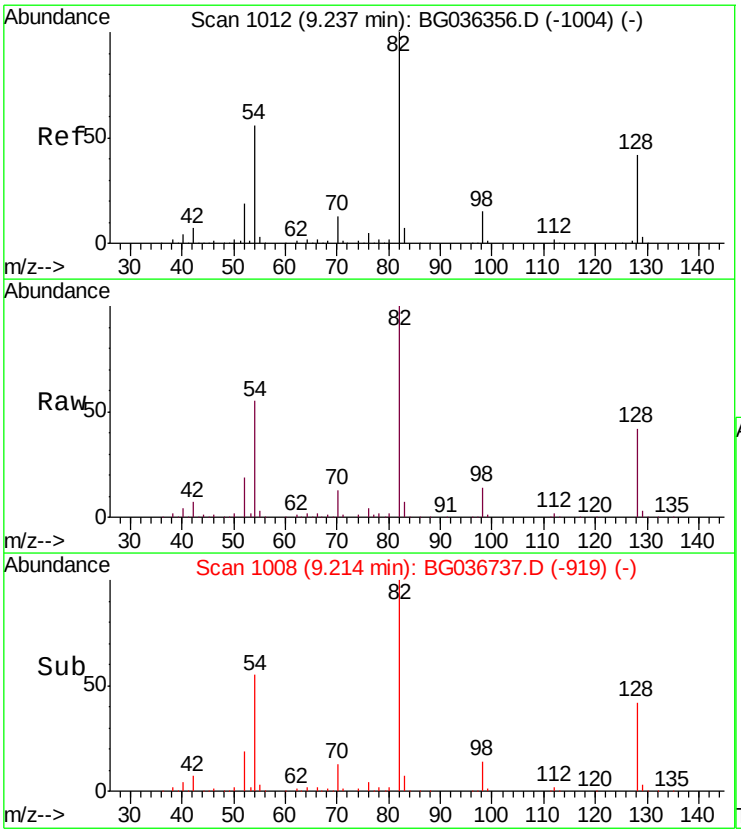

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:136 Resp: 230025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 11.5 | 9.2 | 13.8 |
| 68 | 7.1 | 5.8 | 8.6 |

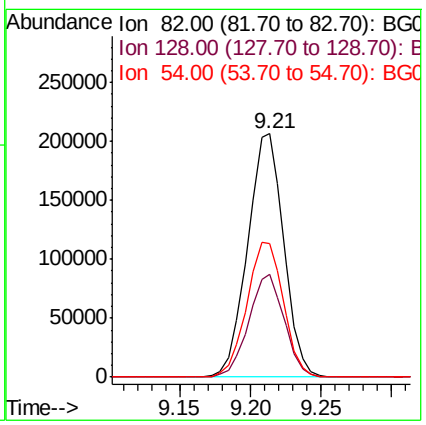


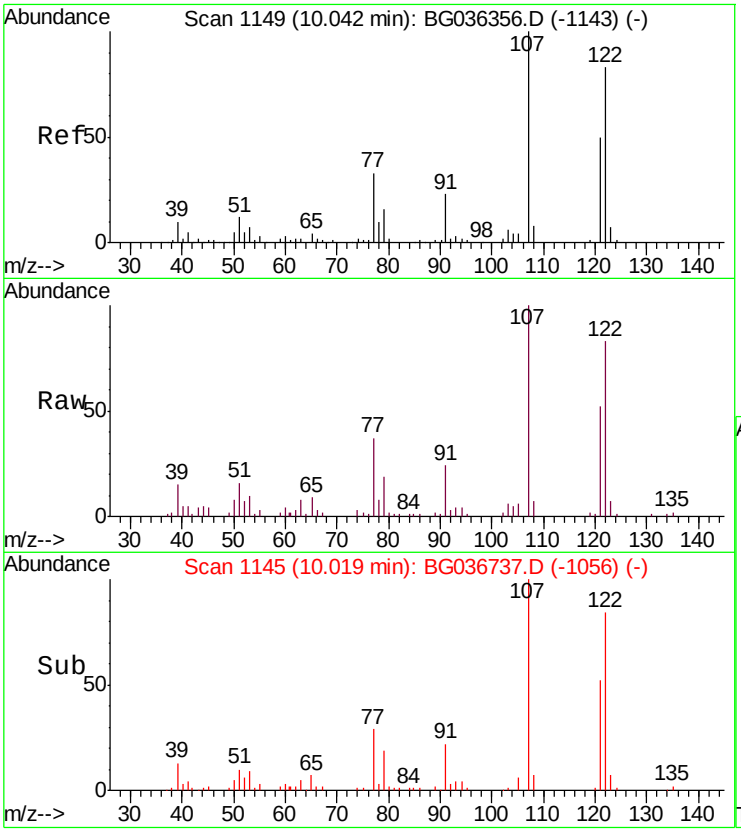




#23
Nitrobenzene-d5
Concen: 87.581 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion: 82 Resp: 371307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 33.3 | 49.9 |
| 54 | 55.0 | 45.1 | 67.7 |



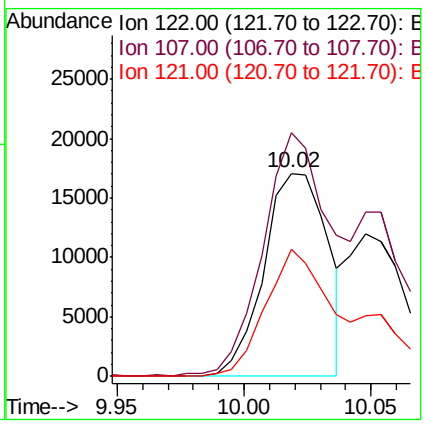


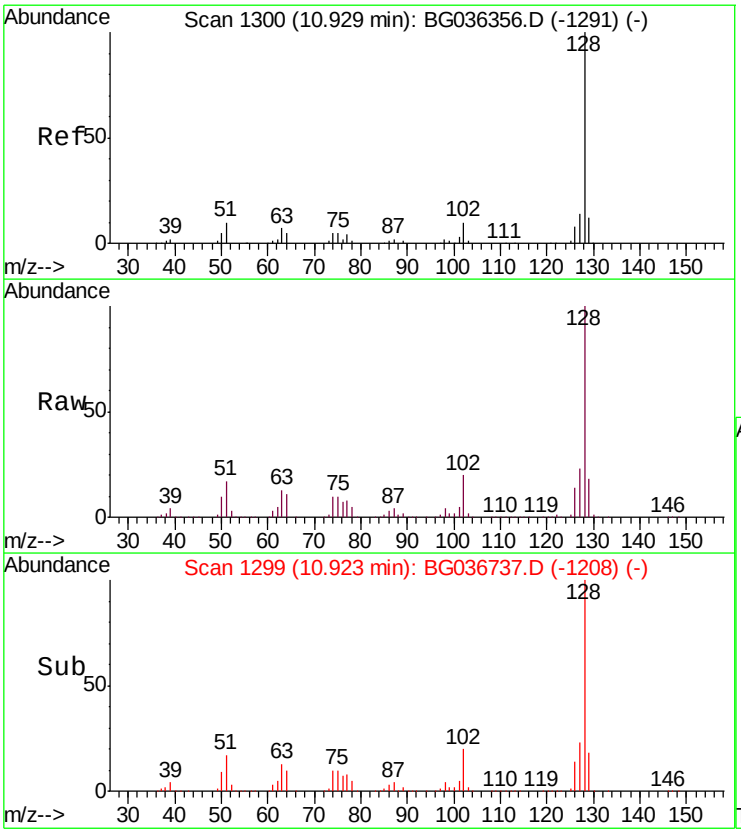

#27
2,4-Dimethylphenol
Concen: 8.949 ng
RT: 10.02 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:122 Resp: 30016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.8 | 96.0 | 144.0 |
| 121 | 62.6 | 48.2 | 72.4 |

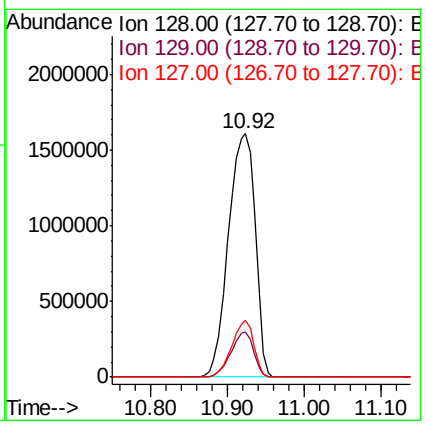


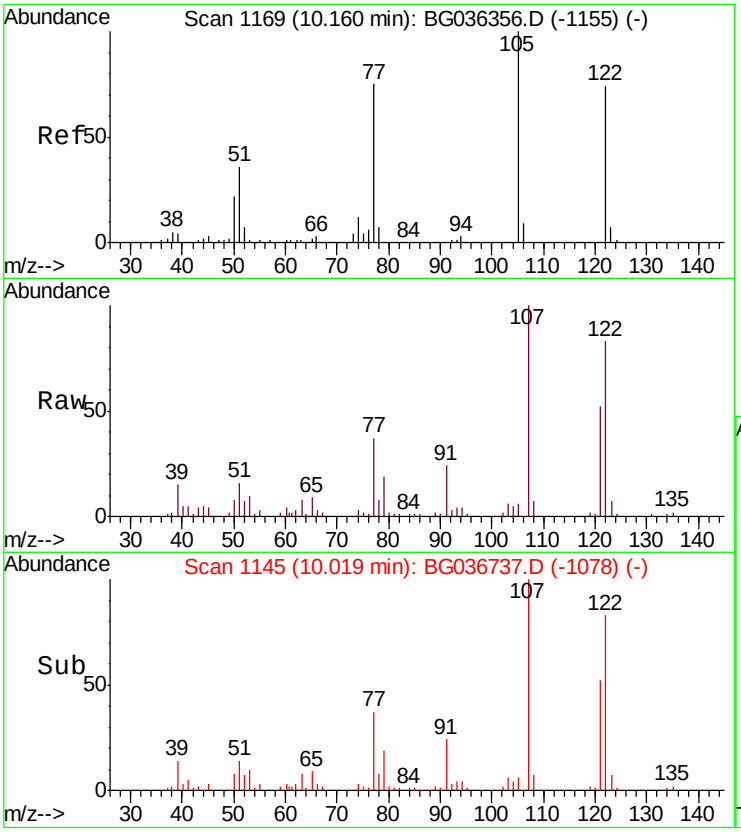




#31
Naphthalene
Concen: 339.658 ng
RT: 10.92 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:128 Resp: 3905633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 18.4 | 9.4 | 14.2# |
| 127 | 23.5 | 11.0 | 16.4# |



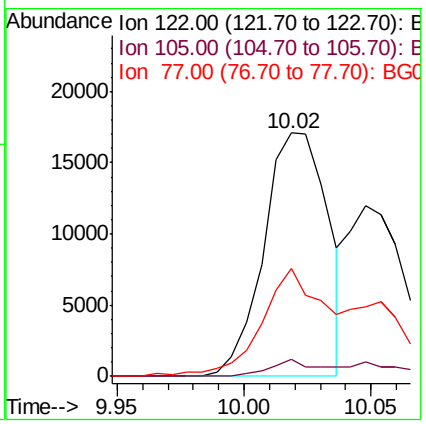


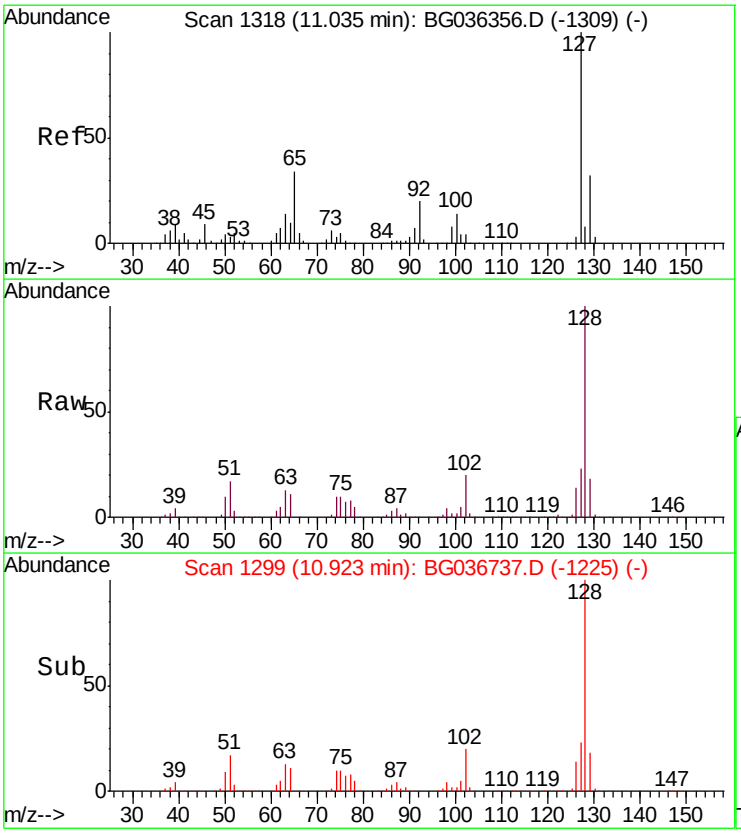

#32
Benzoic acid
Concen:  15.424 ng
RT: 10.02 min  Scan# 1145
Delta R.T.  -0.14 min
Lab File:  BG036737.D
Acq: 15 Sep 2018  12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:122 Resp:  30016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 6.8 | 108.1 | 148.1# |
| 77 | 44.5 | 76.3 | 116.3# |

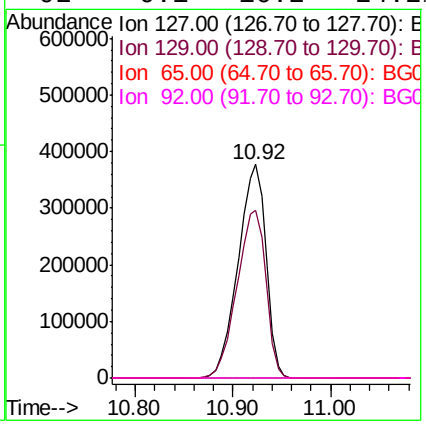


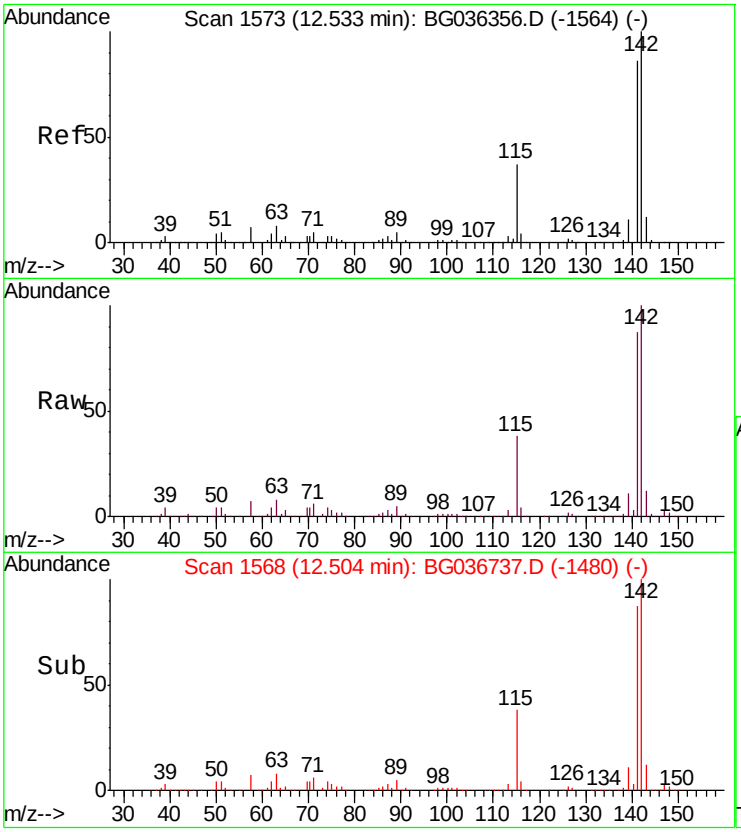




#33
4-Chloroaniline
Concen:  143.143 ng
RT: 10.92 min  Scan# 1299
Delta R.T.  -0.10 min
Lab File:  BG036737.D
Acq: 15 Sep 2018  12:21

Tgt Ion:127 Resp:  754250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 78.6 | 25.9 | 38.9# |
| 65 | 0.0 | 27.5 | 41.3# |
| 92 | 0.1 | 16.2 | 24.2# |



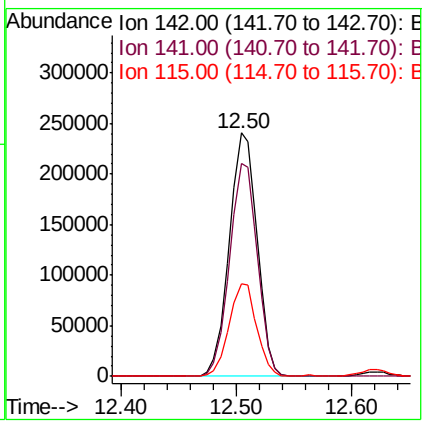


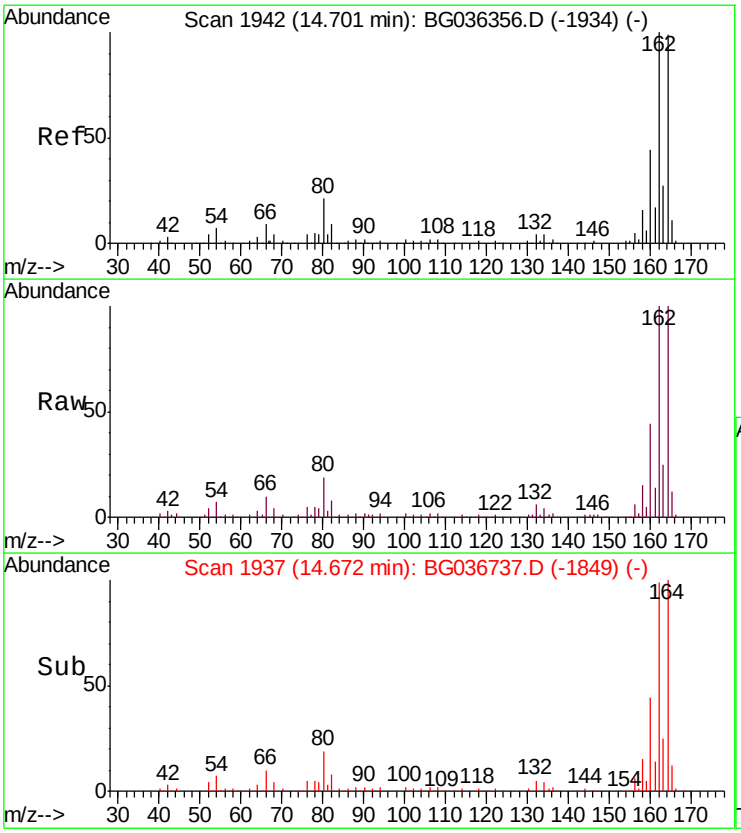

#37
2-Methylnaphthalene
Concen: 47.762 ng
RT: 12.50 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:142 Resp: 401851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.3 | 68.5 | 102.7 |
| 115 | 37.8 | 29.8 | 44.8 |

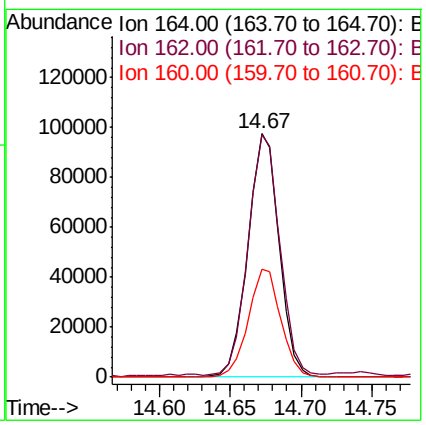


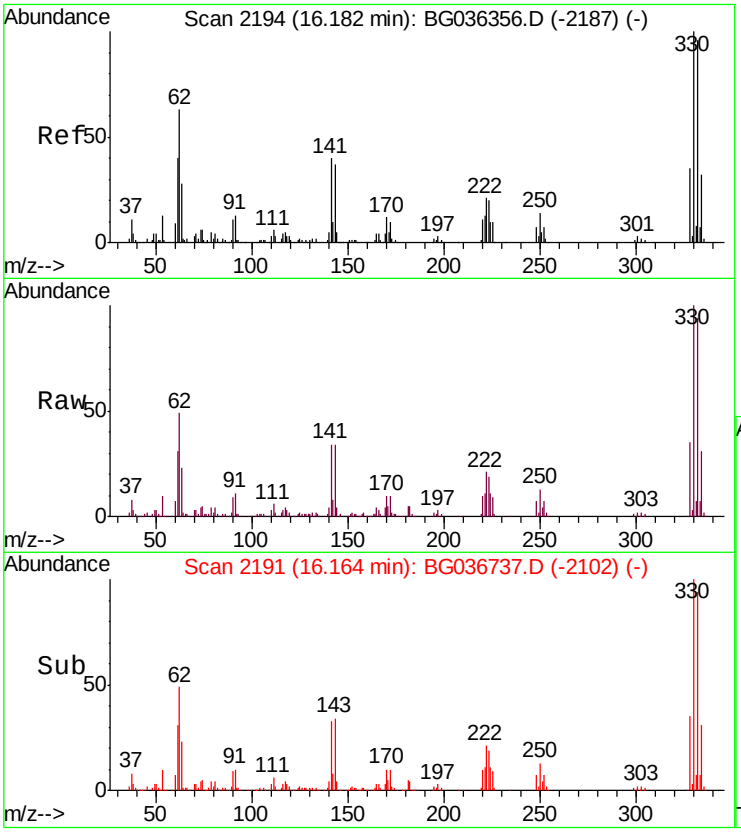




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:164 Resp: 151228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.5 | 80.7 | 121.1 |
| 160 | 44.1 | 35.3 | 52.9 |



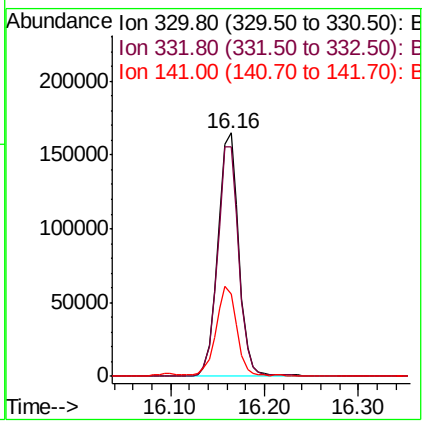


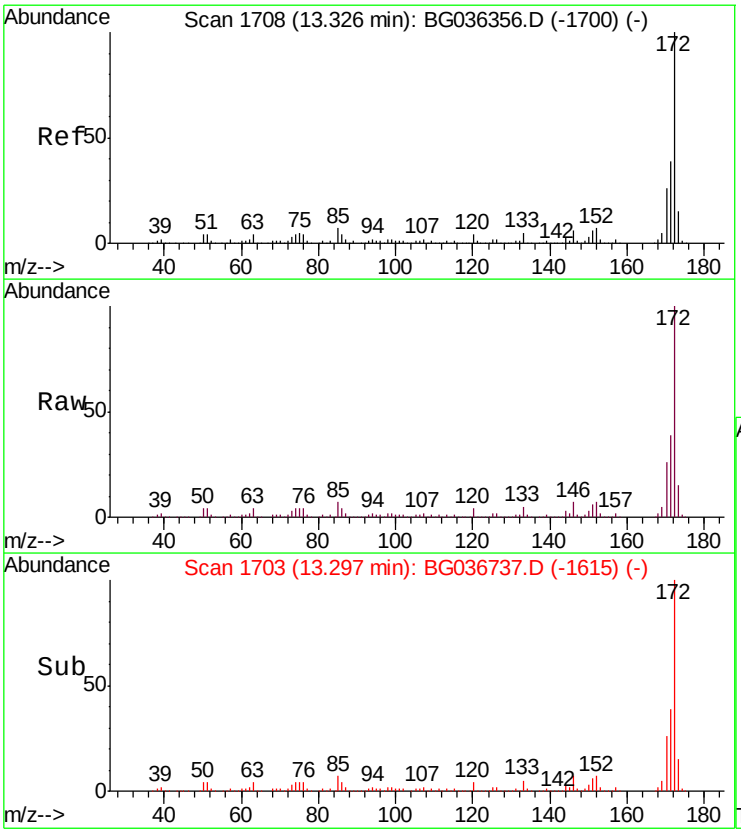

#41
2,4,6-Tribromophenol
Concen: 141.827 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:330 Resp: 255926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 75.4 | 113.2 |
| 141 | 36.6 | 30.7 | 46.1 |

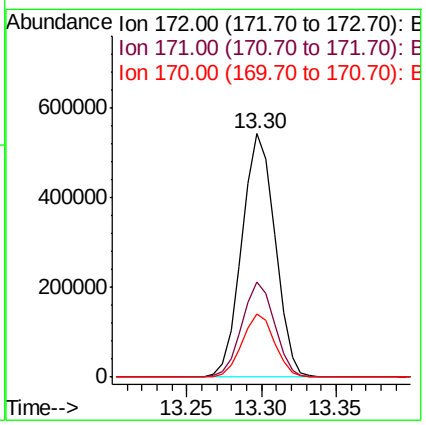


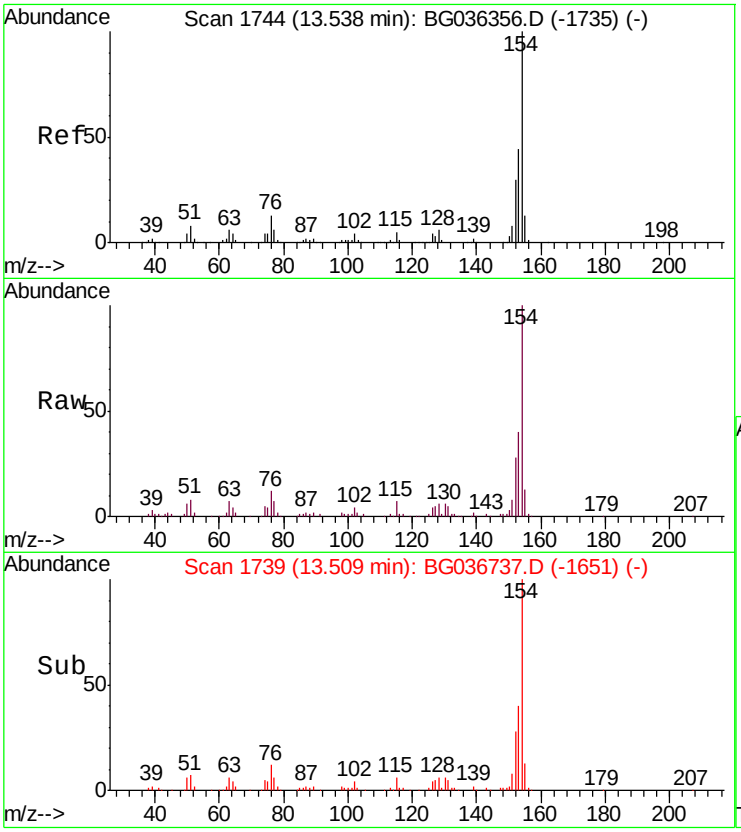




#44
2-Fluorobiphenyl
Concen: 78.927 ng
RT: 13.30 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:172 Resp: 835960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.9 | 31.3 | 46.9 |
| 170 | 25.9 | 21.0 | 31.6 |



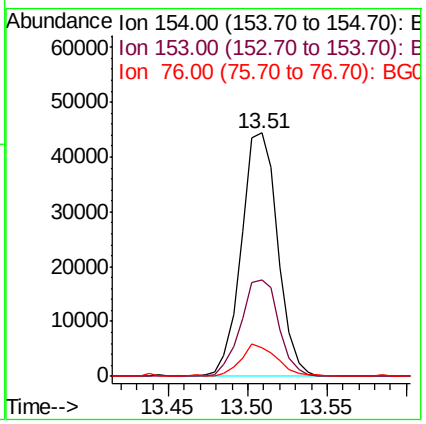


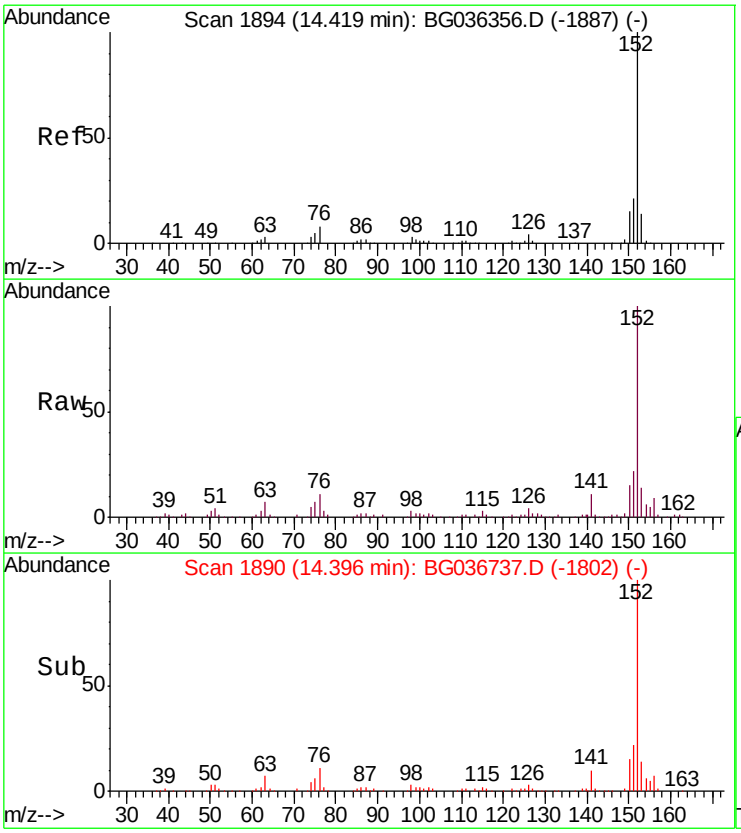

#45
1,1'-Biphenyl
Concen: 5.617 ng
RT: 13.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:154 Resp: 70505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.5 | 24.0 | 64.0 |
| 76 | 11.5 | 0.0 | 32.9 |

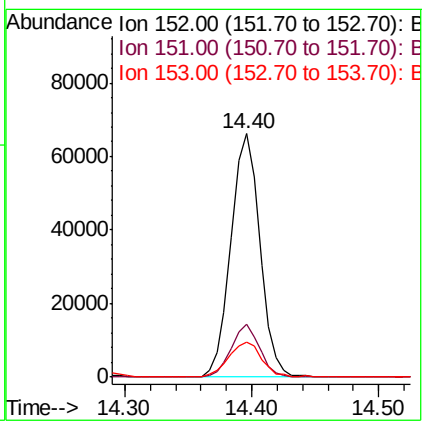


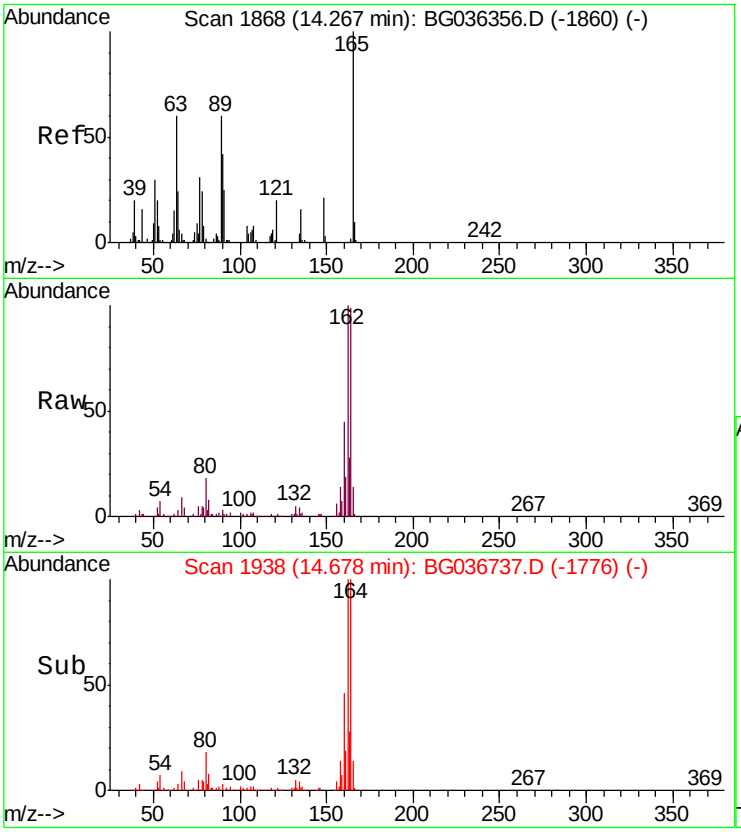




#48
Acenaphthylene
Concen: 6.988 ng
RT: 14.40 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:152 Resp: 104660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.7 | 16.9 | 25.3 |
| 153 | 14.4 | 11.2 | 16.8 |



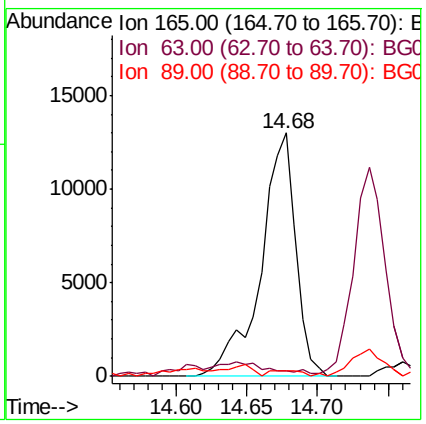


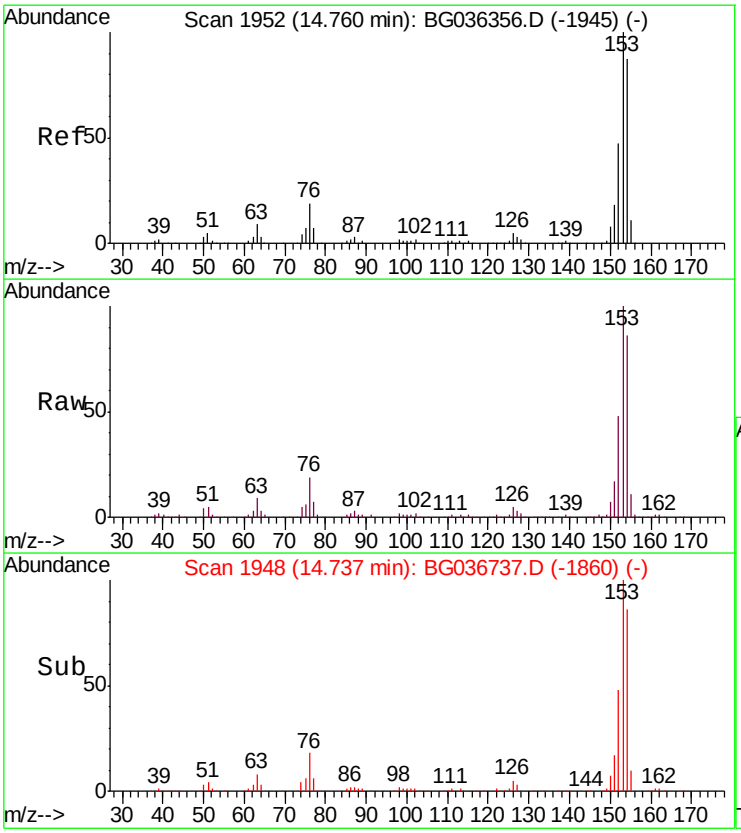

#50
2,6-Dinitrotoluene
Concen: 8.902 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:165 Resp: 22621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.5 | 50.1 | 75.1# |
| 89 | 2.1 | 47.8 | 71.6# |

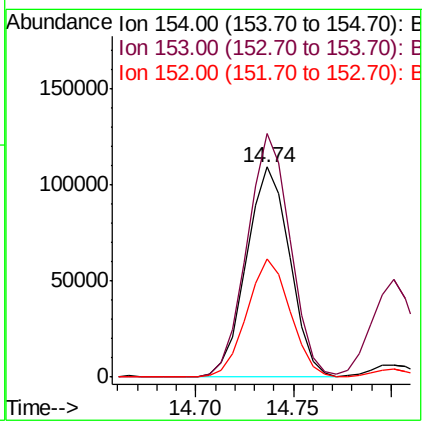


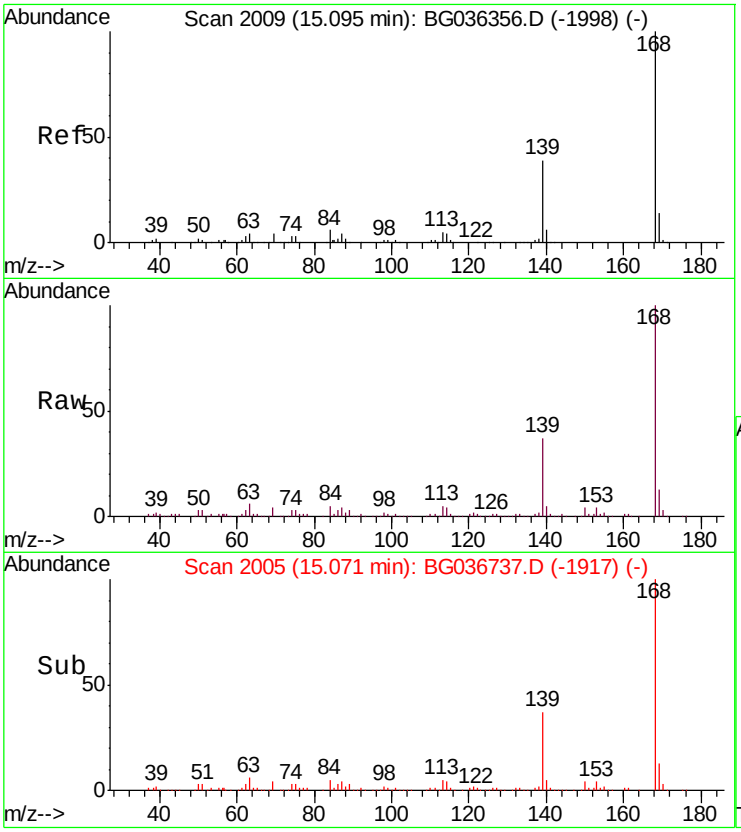




#51
Acenaphthene
Concen: 17.575 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:154 Resp: 168581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.0 | 91.8 | 137.6 |
| 152 | 56.0 | 43.5 | 65.3 |



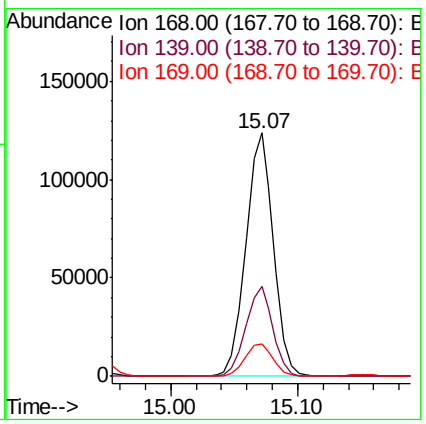


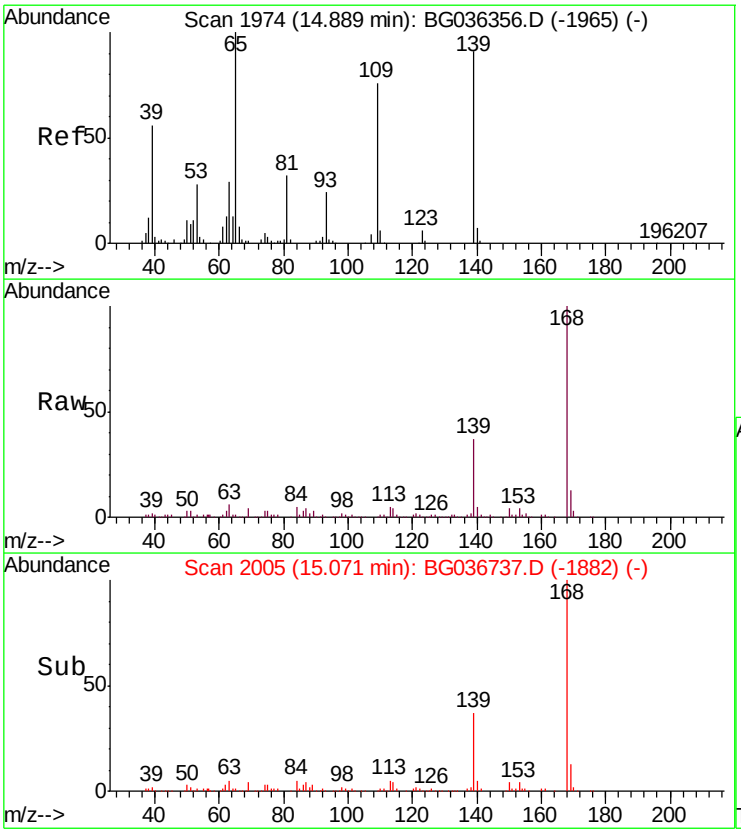

#54
Dibenzofuran
Concen: 12.393 ng
RT: 15.07 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:168 Resp: 186241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.8 | 31.0 | 46.6 |
| 169 | 13.3 | 11.1 | 16.7 |

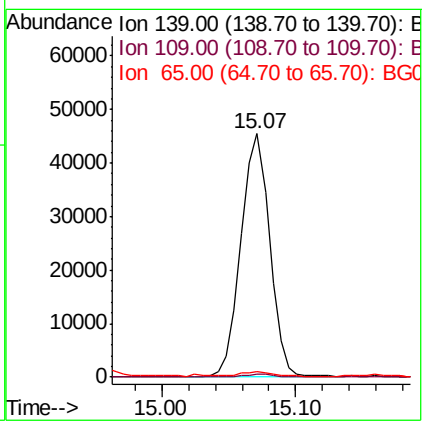


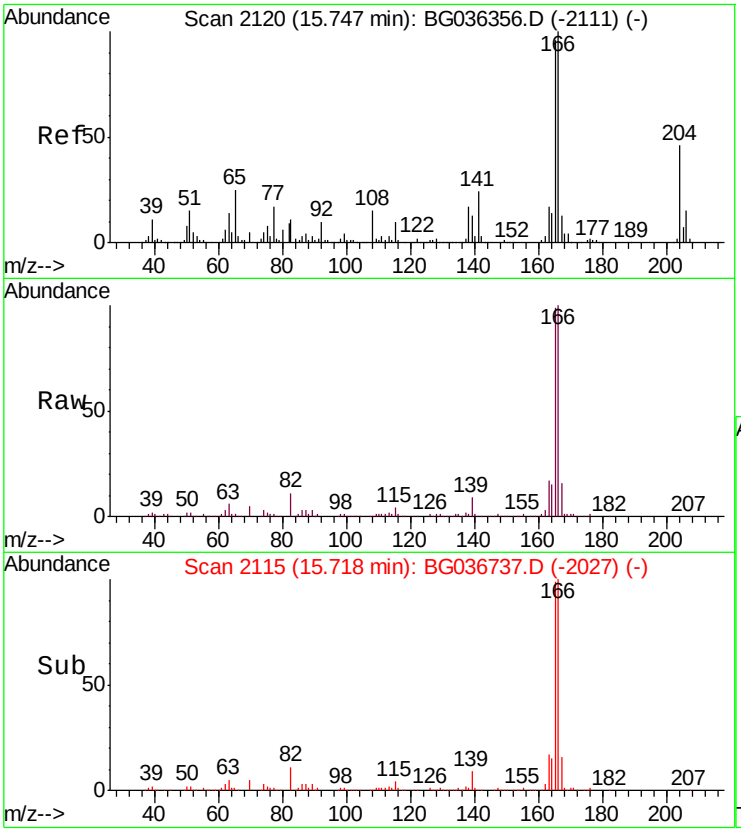




#55
4-Nitrophenol
Concen: 30.300 ng
RT: 15.07 min Scan# 2005
Delta R.T. 0.19 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:139 Resp: 67839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 1.1 | 63.9 | 103.9# |
| 65 | 2.0 | 90.0 | 130.0# |



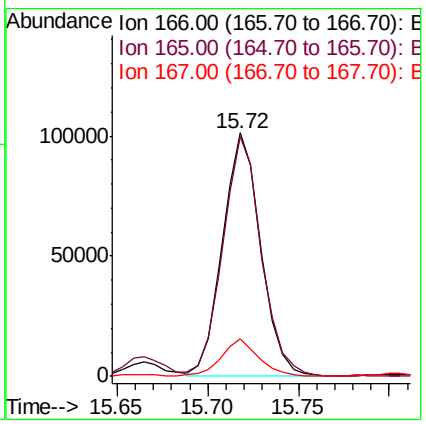


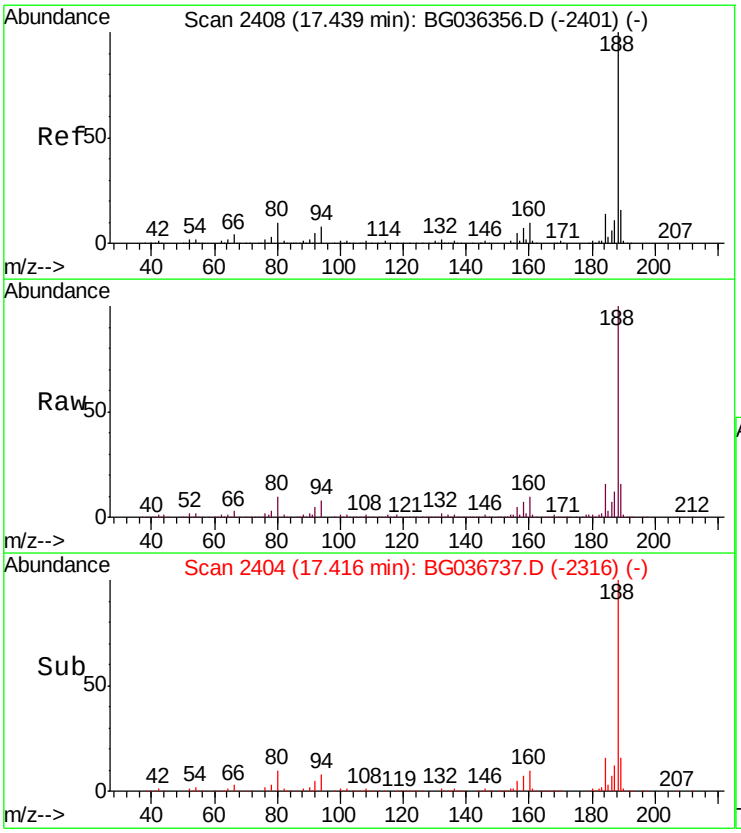

#57
Fluorene
Concen: 13.095 ng
RT: 15.72 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:166 Resp: 147108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.7 | 77.0 | 115.4 |
| 167 | 15.5 | 10.6 | 16.0 |

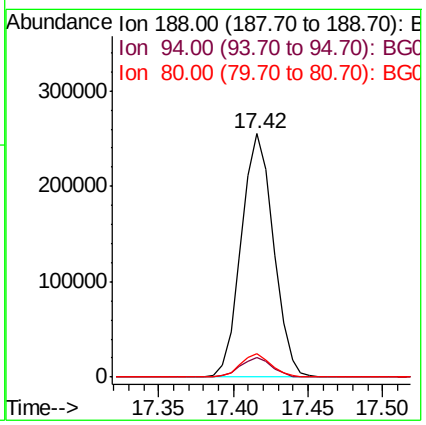


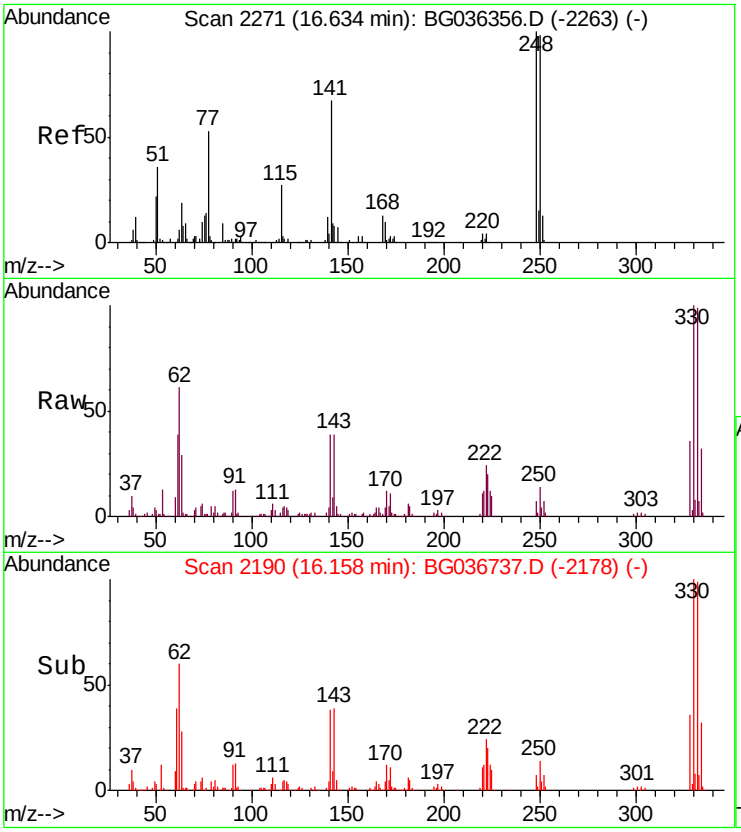




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:188 Resp: 381233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.7 | 10.1 |
| 80 | 9.5 | 8.1 | 12.1 |



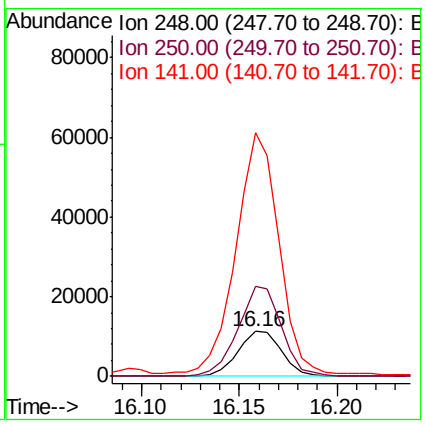


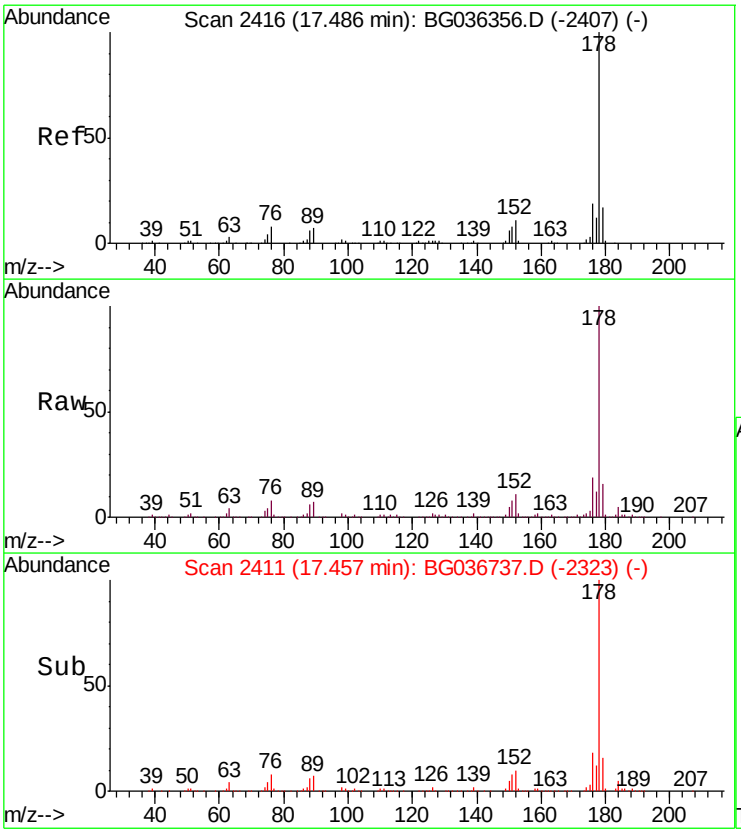

#66
4-Bromophenyl-phenylether
Concen: 3.934 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.46 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:248 Resp: 17558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.5 | 78.1 | 117.1# |
| 141 | 544.5 | 53.7 | 80.5# |

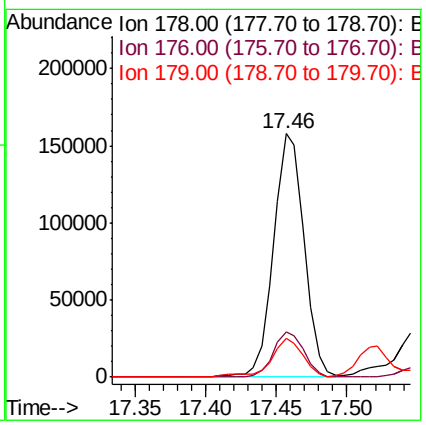


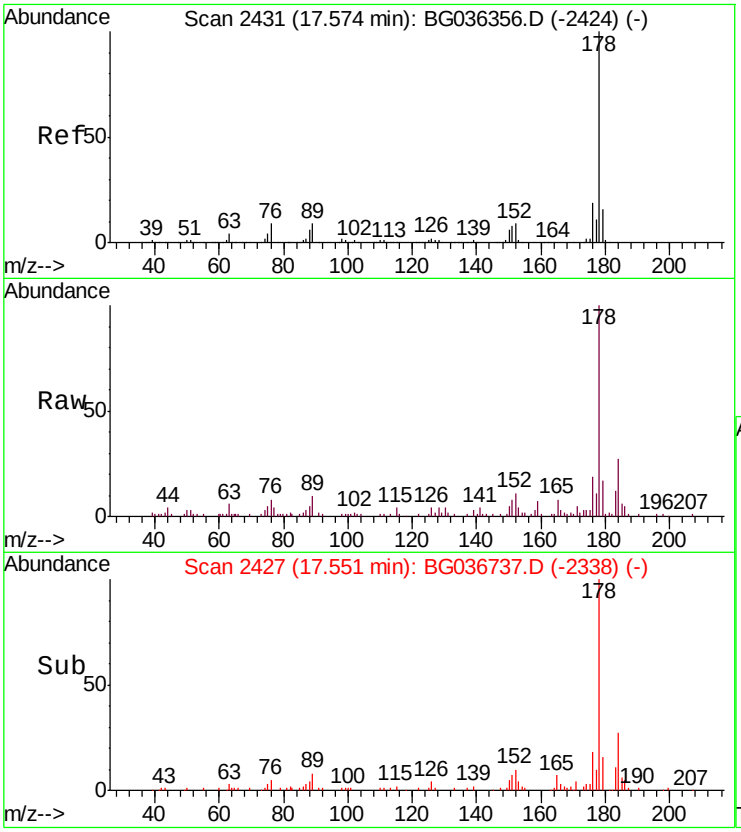




#70
Phenanthrene
Concen: 12.275 ng
RT: 17.46 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:178 Resp: 237795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 15.8 | 13.4 | 20.2 |



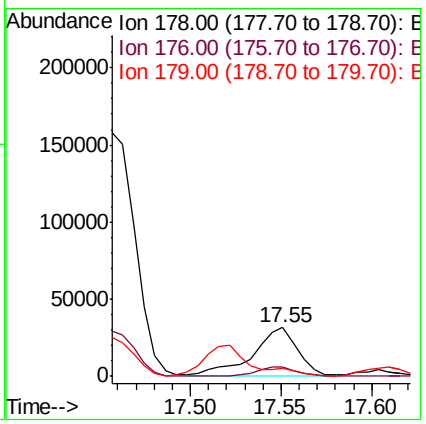


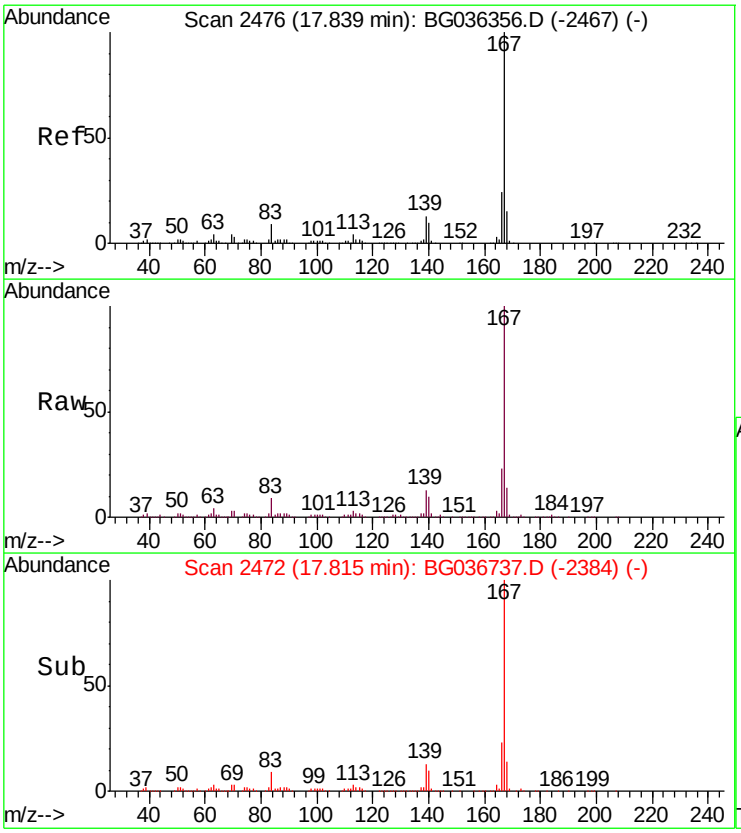

#71
Anthracene
Concen: 2.866 ng
RT: 17.55 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:178 Resp: 55338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 16.6 | 13.0 | 19.4 |

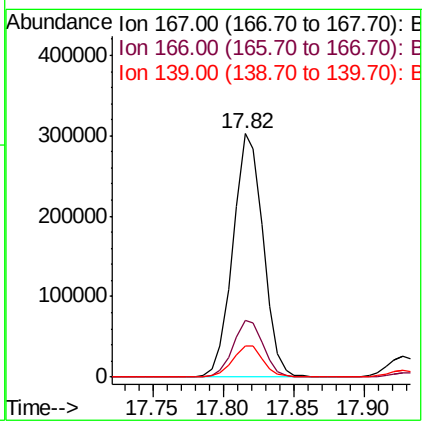


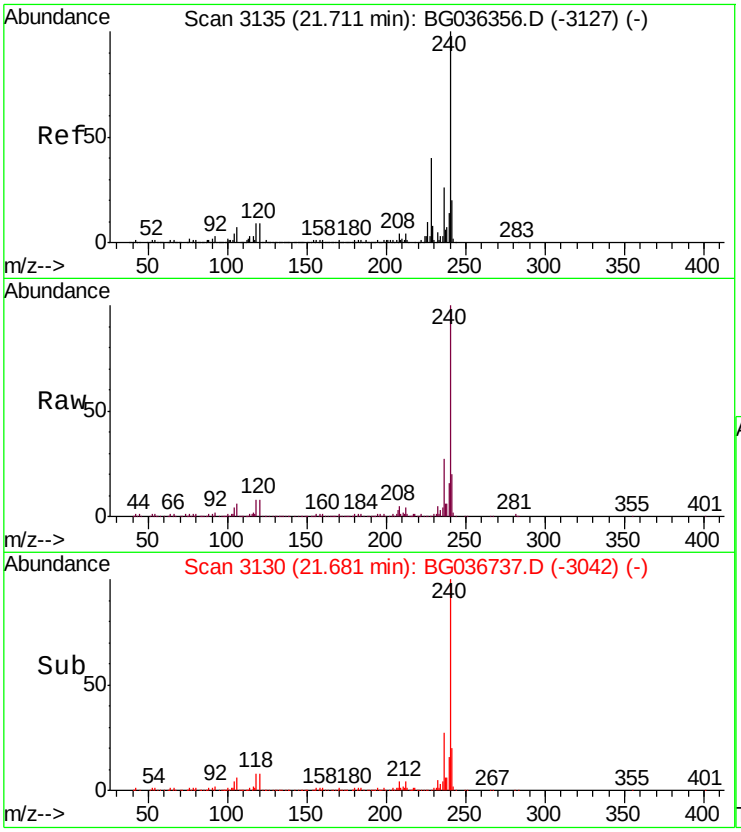




#72
Carbazole
Concen: 23.389 ng
RT: 17.82 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:167 Resp: 451055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.1 | 19.5 | 29.3 |
| 139 | 12.9 | 10.7 | 16.1 |



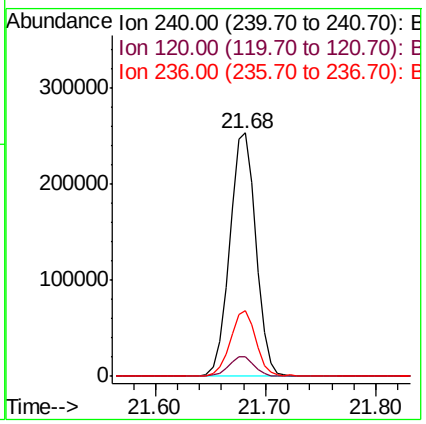


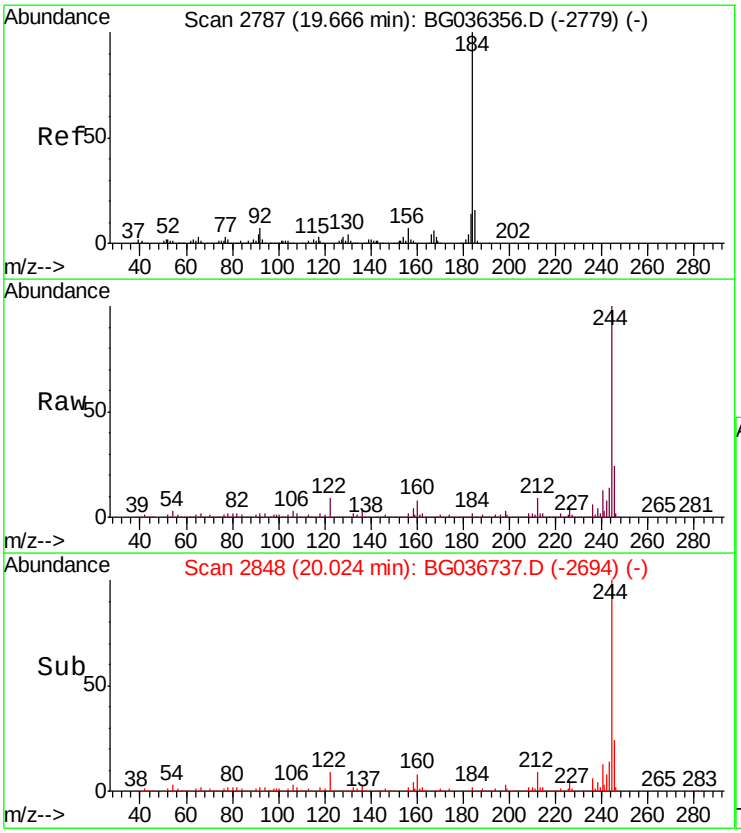

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:240 Resp: 422107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.1 | 6.9 | 10.3 |
| 236 | 26.9 | 21.2 | 31.8 |

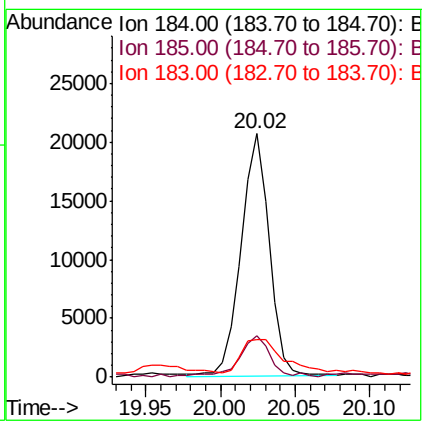


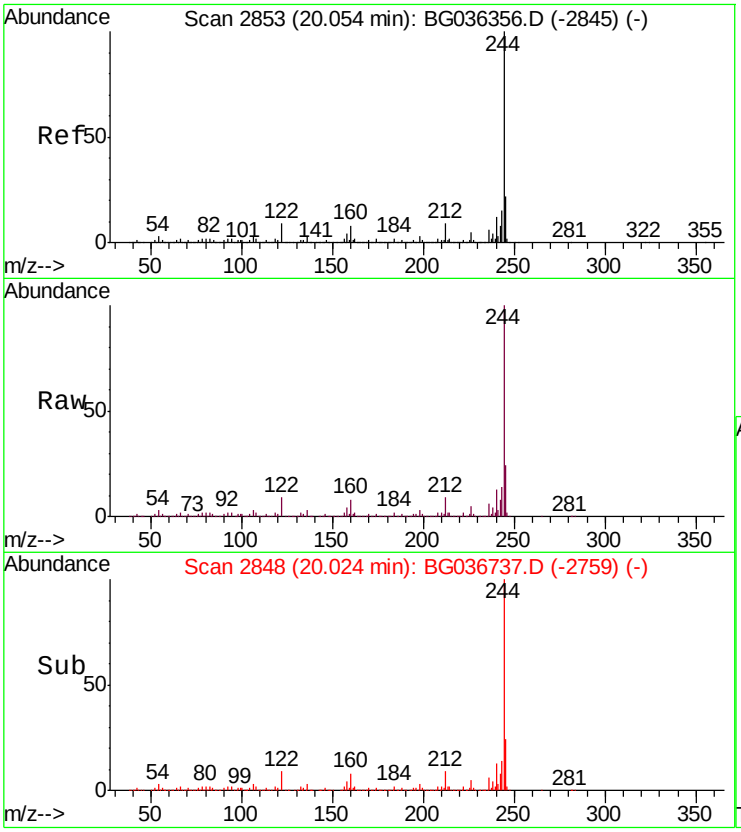




#76
Benzidine
Concen: 2.001 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:184 Resp: 26945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.8 | 12.6 | 18.8 |
| 183 | 15.7 | 10.9 | 16.3 |



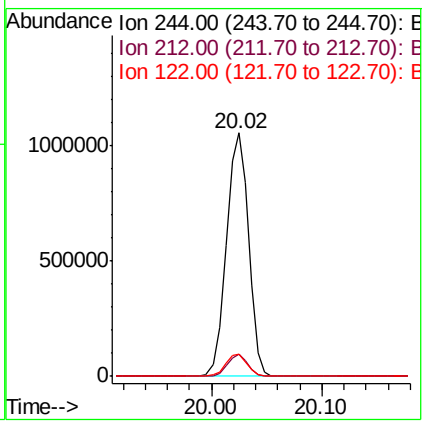


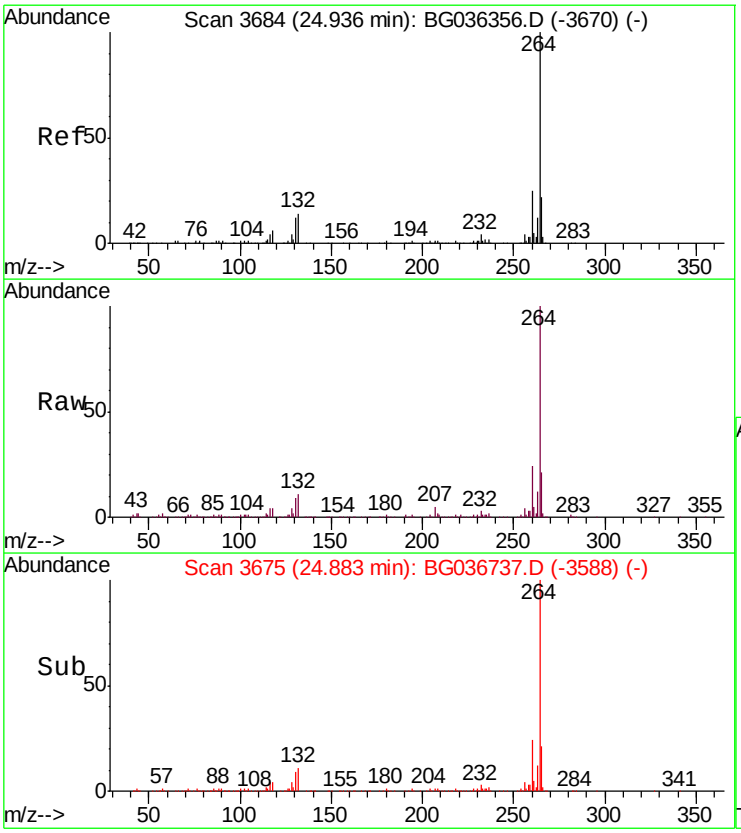

#78
Terphenyl-d14
Concen: 81.838 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

**Instrument :**
BNA_G
**ClientSampleId :**
ROLLOFF01-COMP-FILL

Tgt Ion:244 Resp: 1477940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.0 | 7.0 | 10.6 |
| 122 | 9.1 | 7.1 | 10.7 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:264 Resp: 435549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.6 | 29.4 |
| 265 | 21.5 | 17.4 | 26.0 |