Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
Data File : BG037200.D
Acq On : 5 Oct 2018 22:18
Operator : JU/SJ
Sample : J5199-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** OK-01-100318

Quant Time: Oct 06 04:54:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 37691 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.83 | 136 | 155140 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 103918 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 275069 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.67 | 240 | 285008 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.86 | 264 | 267303 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 250105 | 127.26 | ng | | -0.02 |
| 7) Phenol-d6 | 7.20 | 99 | 317514 | 104.42 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 260169 | 89.80 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 158162 | 127.21 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 547690 | 78.50 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1041785 | 96.12 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.19 | 70 | 34470 | 13.627 | ng | # | 76 |
| 31) Naphthalene | 10.88 | 128 | 29984 | 4.062 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.66 | 165 | 13194 | 7.229 | ng | # | 20 |
| 56) 2,4-Dinitrotoluene | 14.66 | 165 | 13194 | 5.181 | ng | # | 18 |
| 66) 4-Bromophenyl-phenylether | 16.14 | 248 | 11492 | 3.673 | ng | # | 1 |
| 76) Benzidine | 20.01 | 184 | 18543 | 2.152 | ng | | 95 |

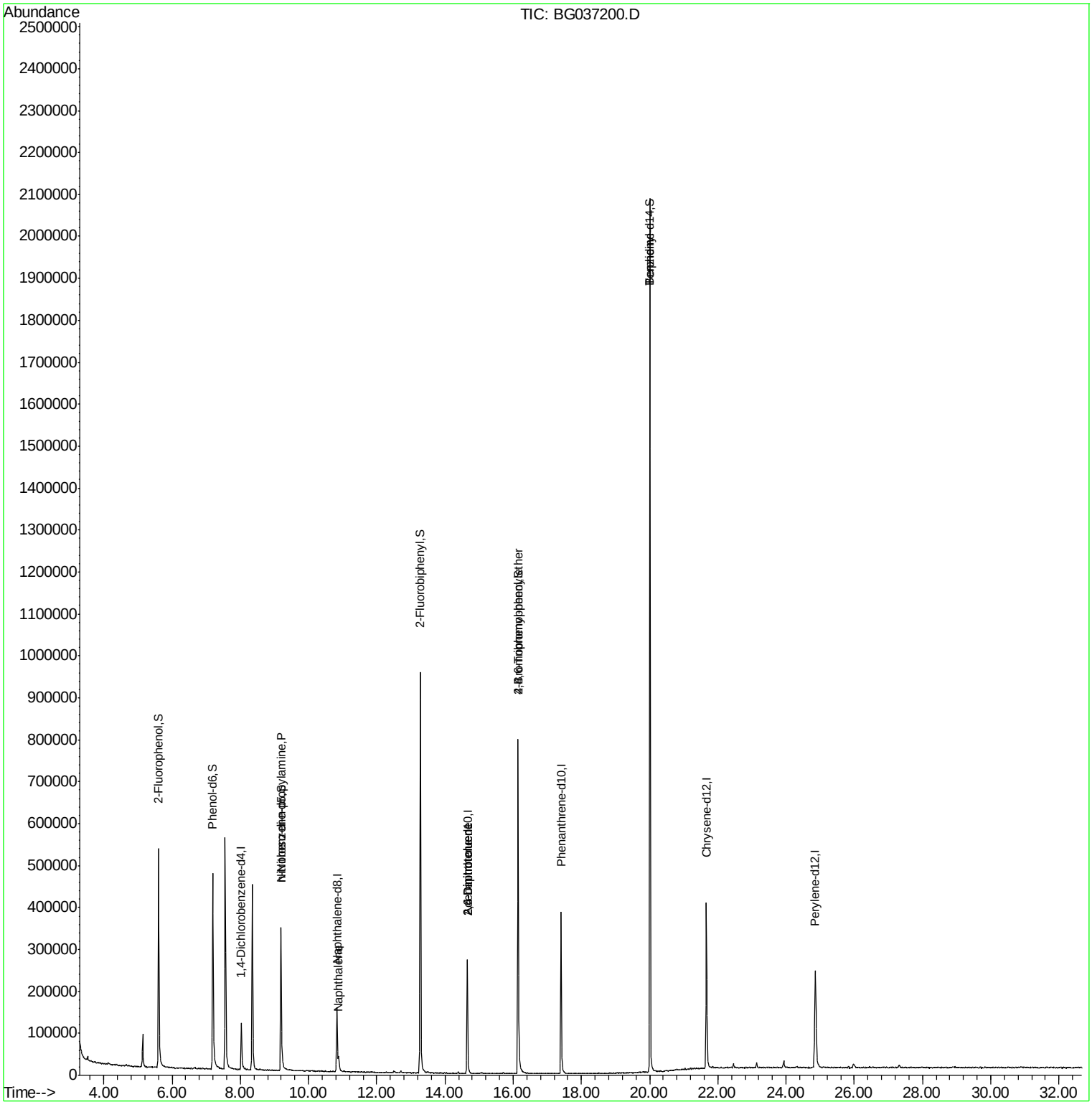
(#) = qualifier out of range (m) = manual integration (+) = signals summed

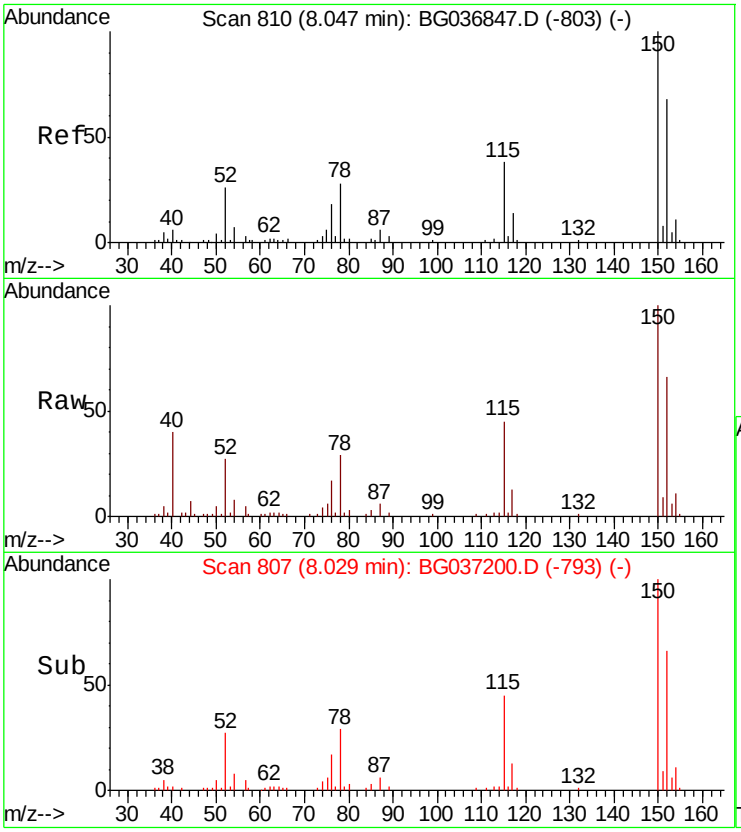
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
Data File : BG037200.D
Acq On : 5 Oct 2018 22:18
Operator : JU/SJ
Sample : J5199-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** OK-01-100318

Quant Time: Oct 06 04:54:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration



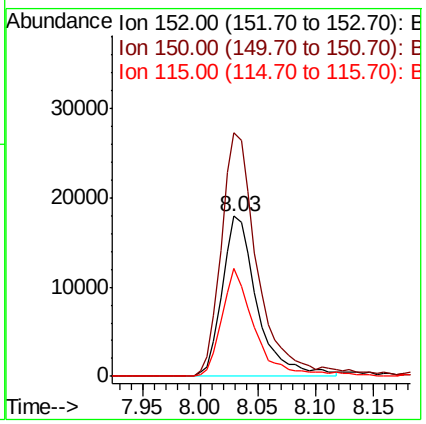


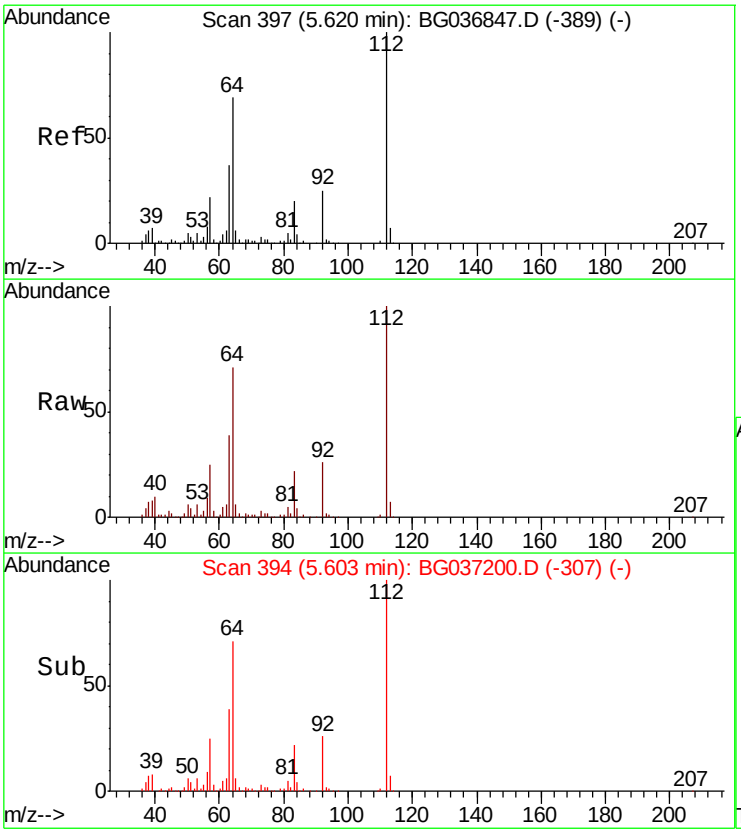

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:152 Resp: 37691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.9 | 119.5 | 179.3 |
| 115 | 67.6 | 44.5 | 66.7# |

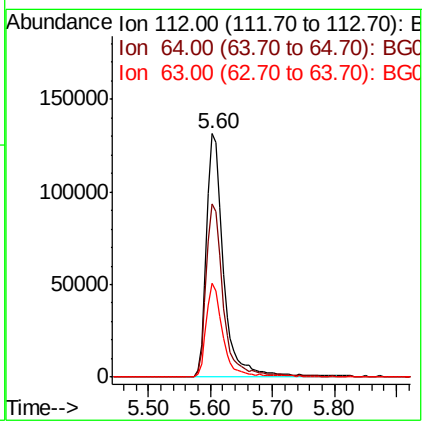


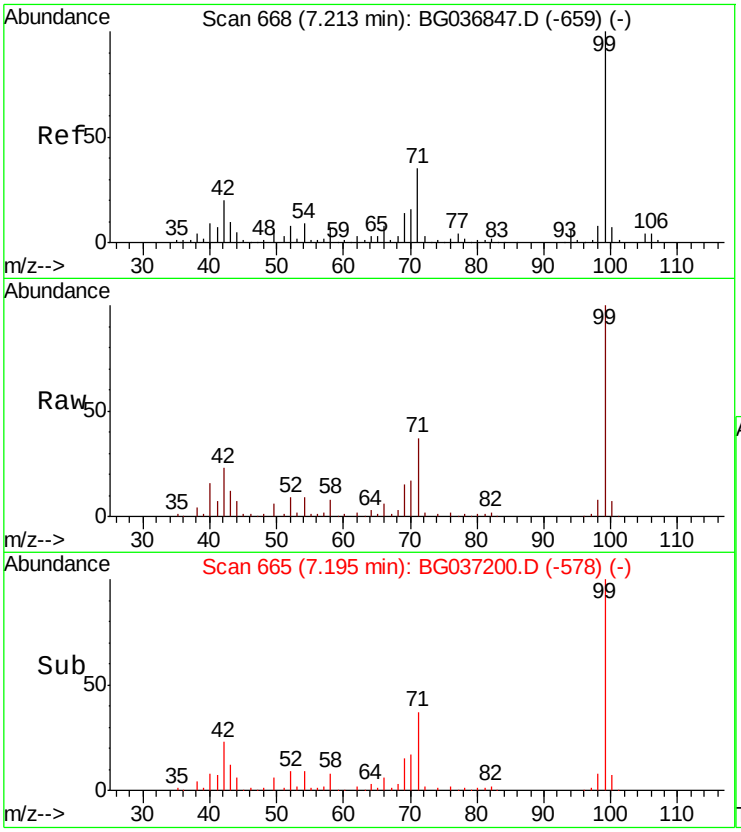




#5
2-Fluorophenol
Concen: 127.258 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:112 Resp: 250105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.2 | 57.2 | 85.8 |
| 63 | 38.7 | 30.8 | 46.2 |



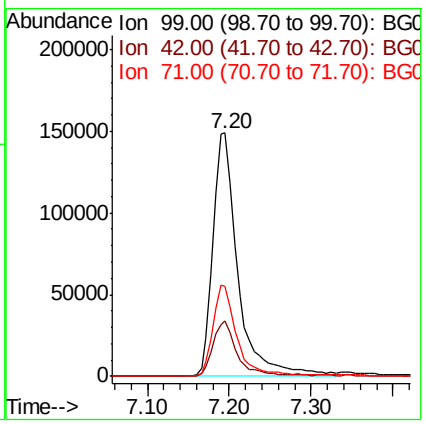


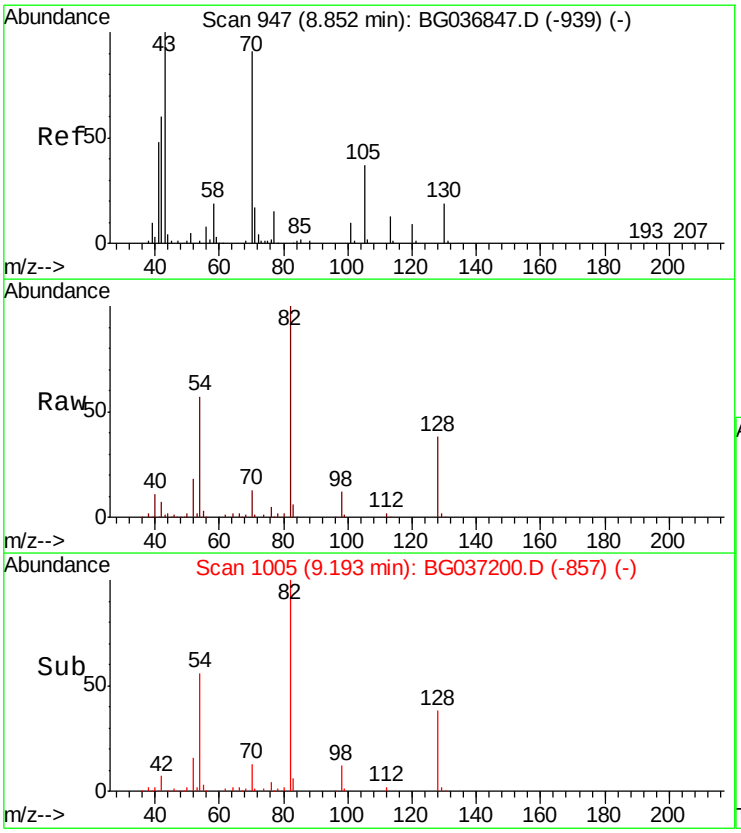

#7
Phenol-d6
Concen: 104.421 ng
RT: 7.20 min Scan# 665
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion: 99 Resp: 317514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.7 | 16.5 | 24.7 |
| 71 | 36.9 | 29.4 | 44.2 |

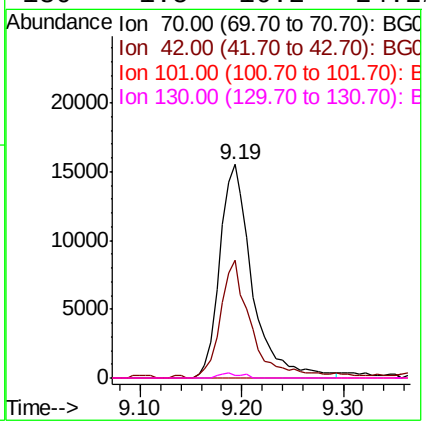


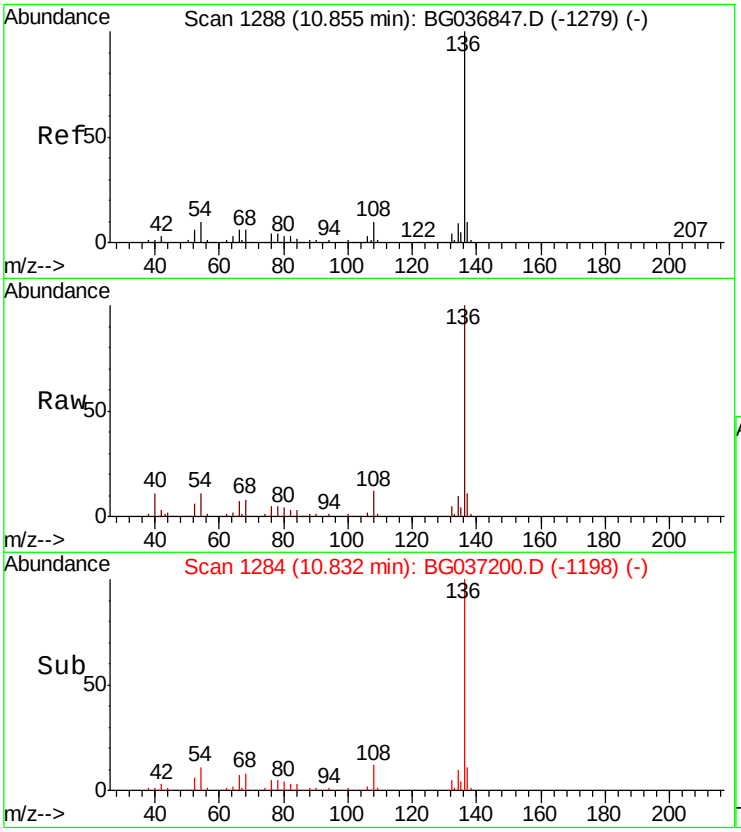




#19
n-Nitroso-di-n-propylamine
Concen: 13.627 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.34 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion: 70 Resp: 34470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.3 | 56.2 | 84.4# |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 1.5 | 16.2 | 24.2# |



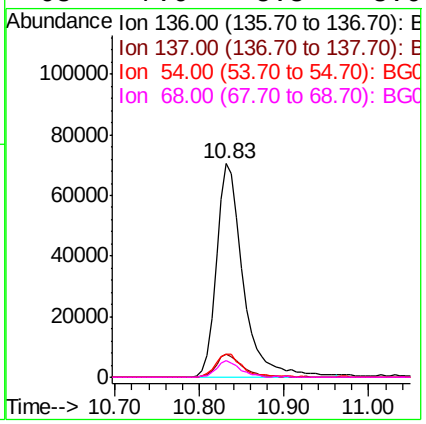


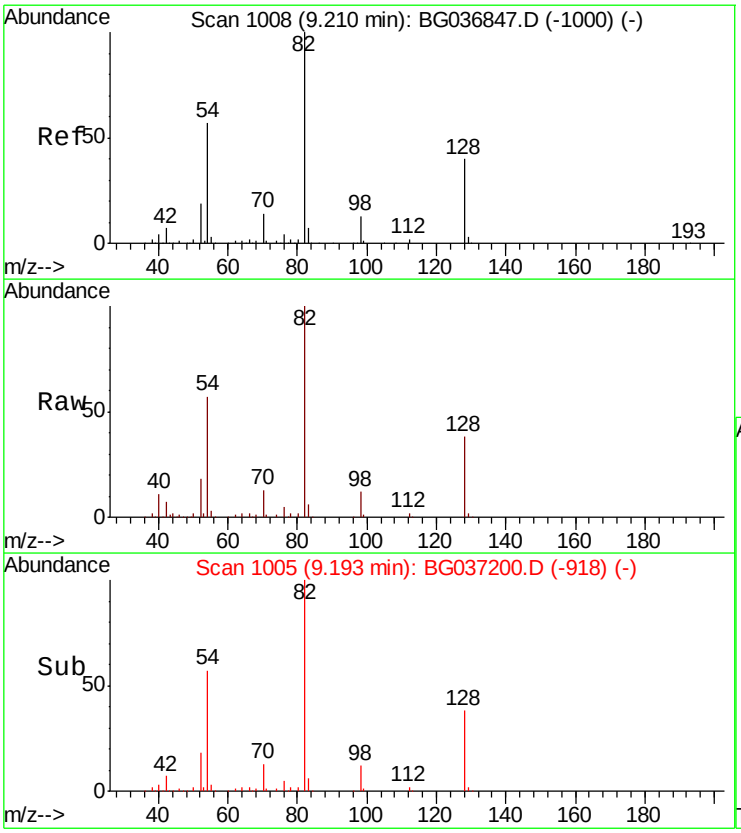

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:136 Resp: 155140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.8 | 13.2 |
| 54 | 11.1 | 9.2 | 13.8 |
| 68 | 7.6 | 5.8 | 8.6 |

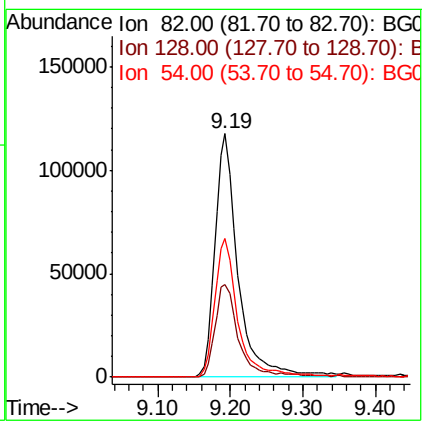


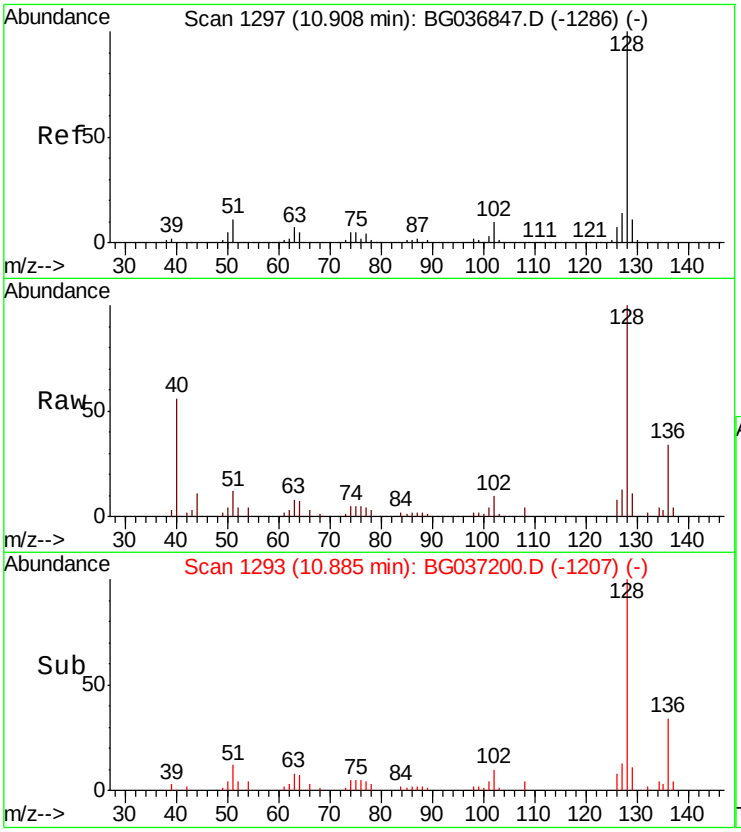




#23
Nitrobenzene-d5
Concen: 89.805 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion: 82 Resp: 260169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.1 | 33.3 | 49.9 |
| 54 | 56.7 | 45.1 | 67.7 |



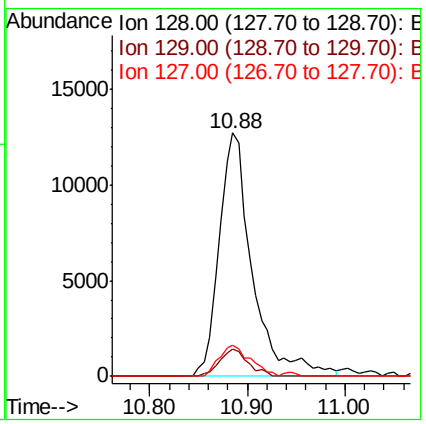


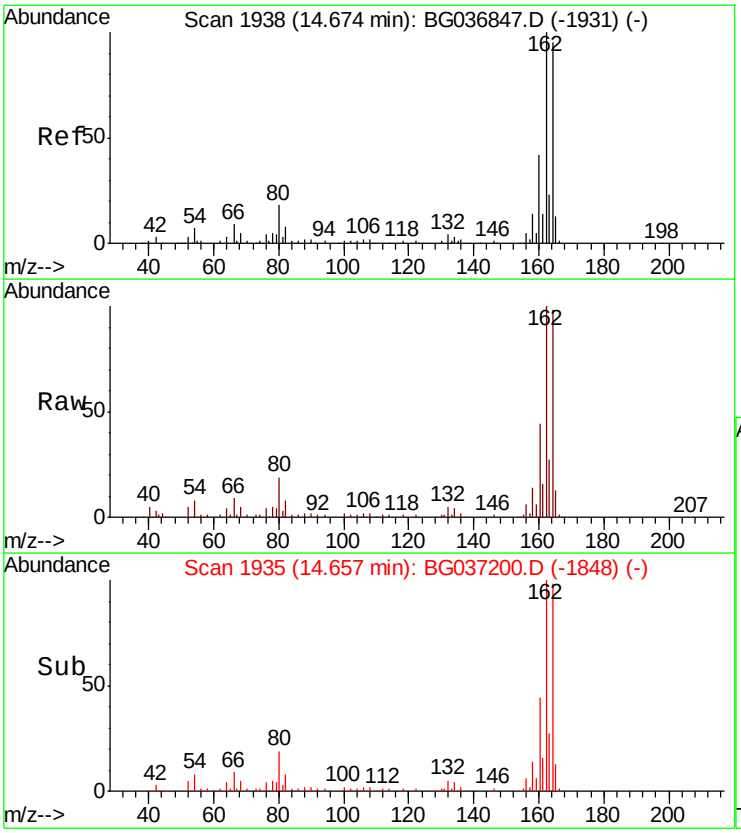

#31
Naphthalene
Concen: 4.062 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:128 Resp: 29984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.4 | 14.2 |
| 127 | 12.8 | 11.0 | 16.4 |

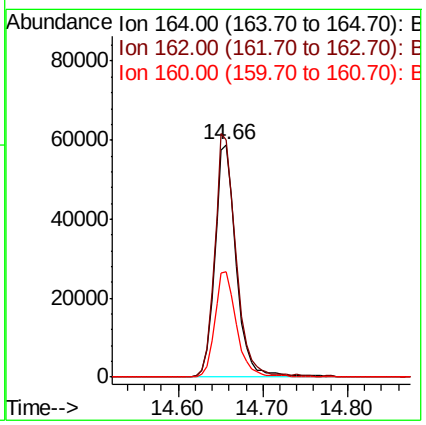


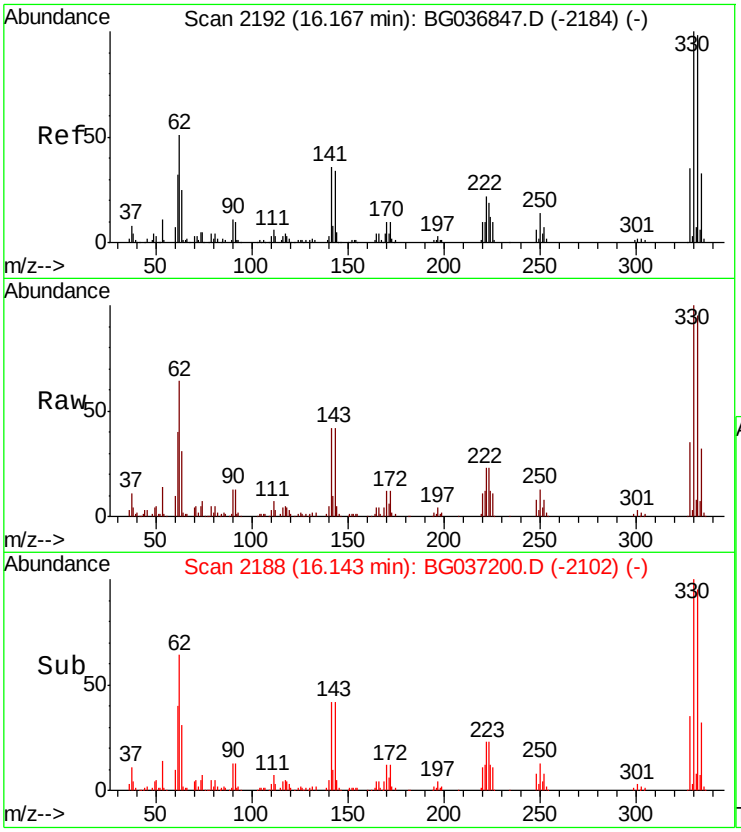




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:164 Resp: 103918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 80.7 | 121.1 |
| 160 | 45.4 | 35.3 | 52.9 |



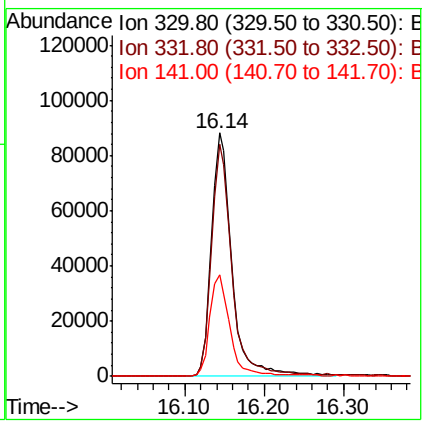


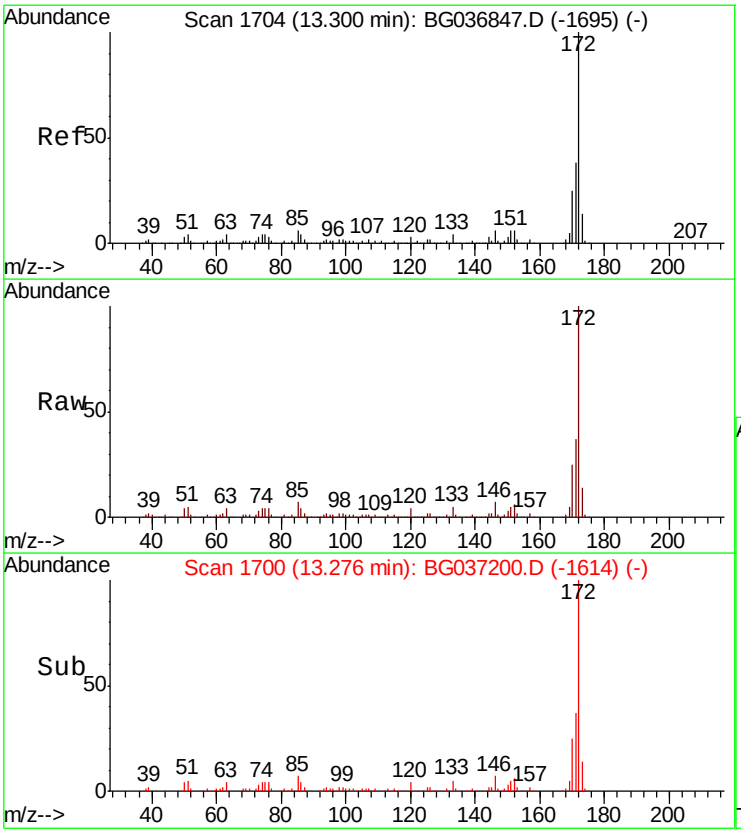

#41
2,4,6-Tribromophenol
Concen: 127.210 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:330 Resp: 158162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.6 | 75.4 | 113.2 |
| 141 | 41.2 | 30.7 | 46.1 |

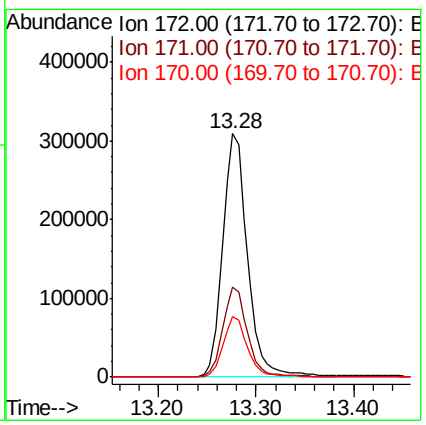


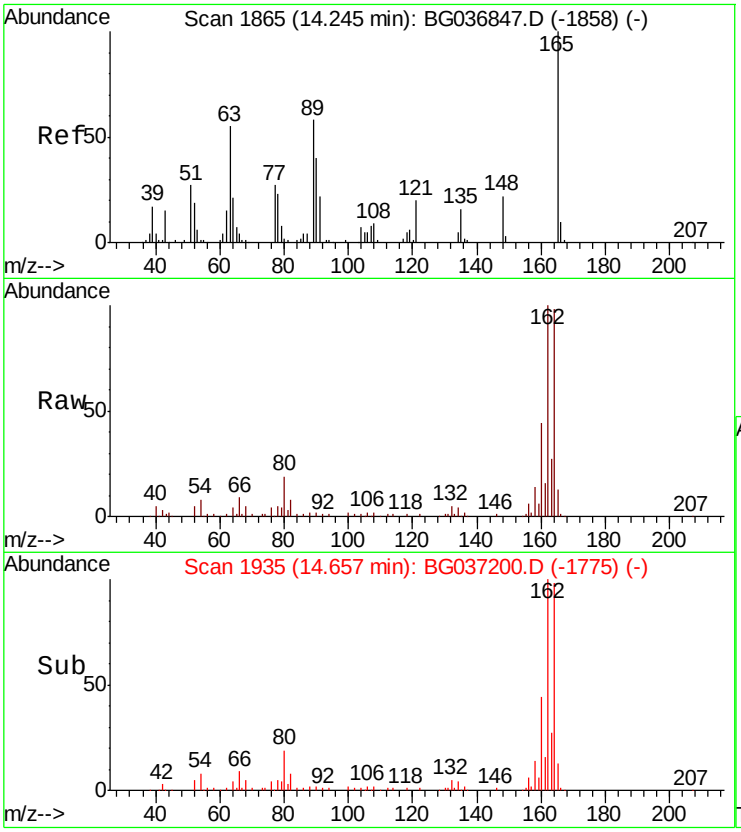




#44
2-Fluorobiphenyl
Concen: 78.497 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:172 Resp: 547690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.1 | 31.3 | 46.9 |
| 170 | 25.1 | 21.0 | 31.6 |



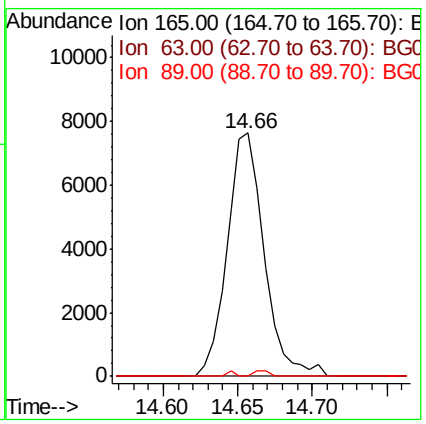


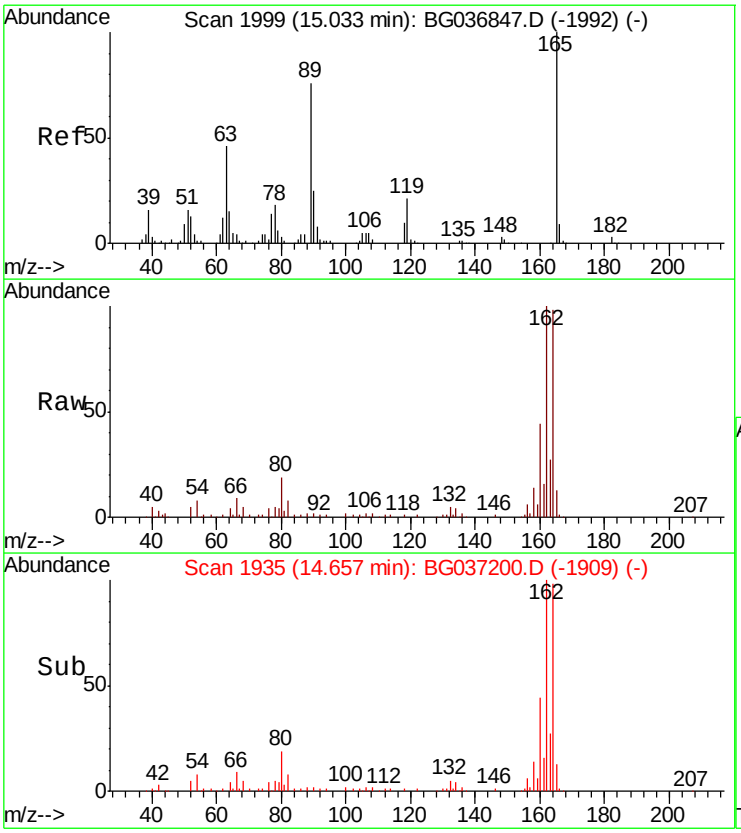

#50
2,6-Dinitrotoluene
Concen: 7.229 ng
RT: 14.66 min Scan# 1935
Delta R.T. 0.41 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:165 Resp: 13194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 50.1 | 75.1# |
| 89 | 0.0 | 47.8 | 71.6# |

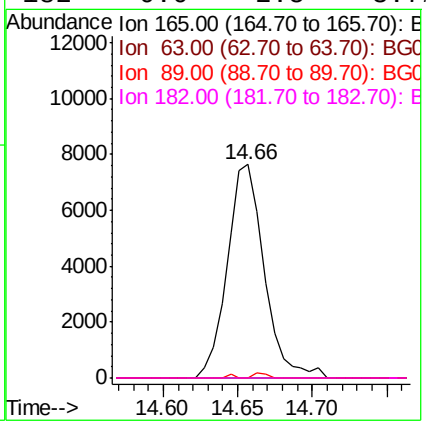


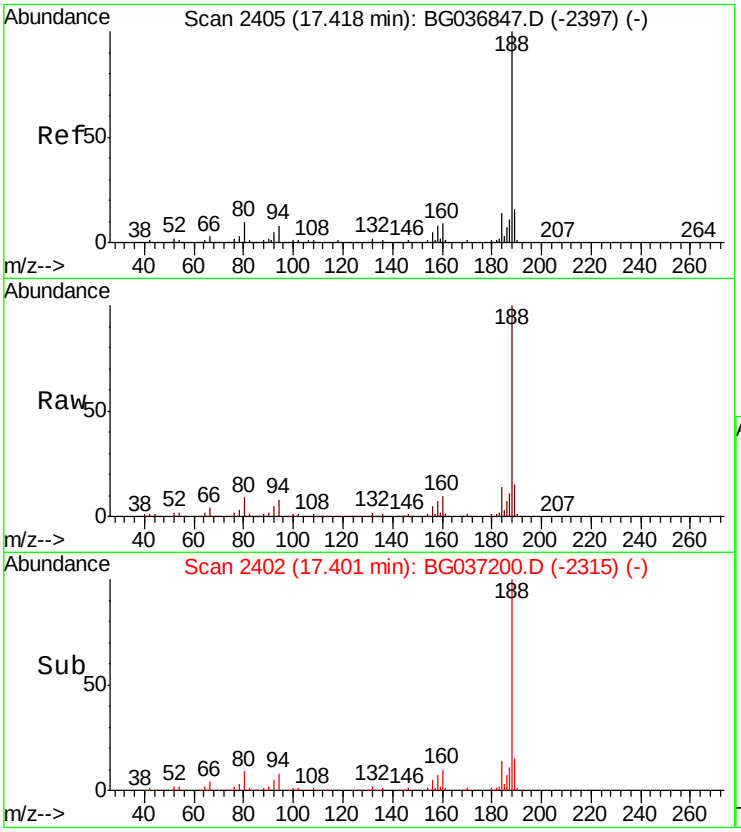




#56
2,4-Dinitrotoluene
Concen: 5.181 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.38 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:165 Resp: 13194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 40.1 | 60.1# |
| 89 | 0.0 | 63.7 | 95.5# |
| 182 | 0.0 | 2.5 | 3.7# |



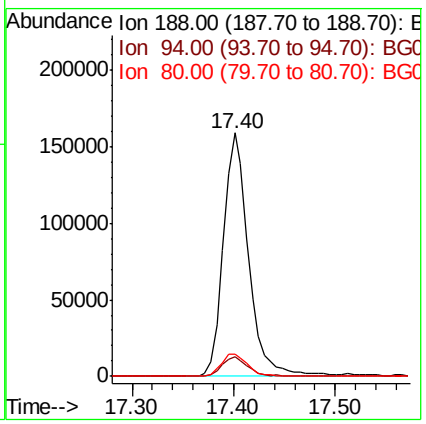


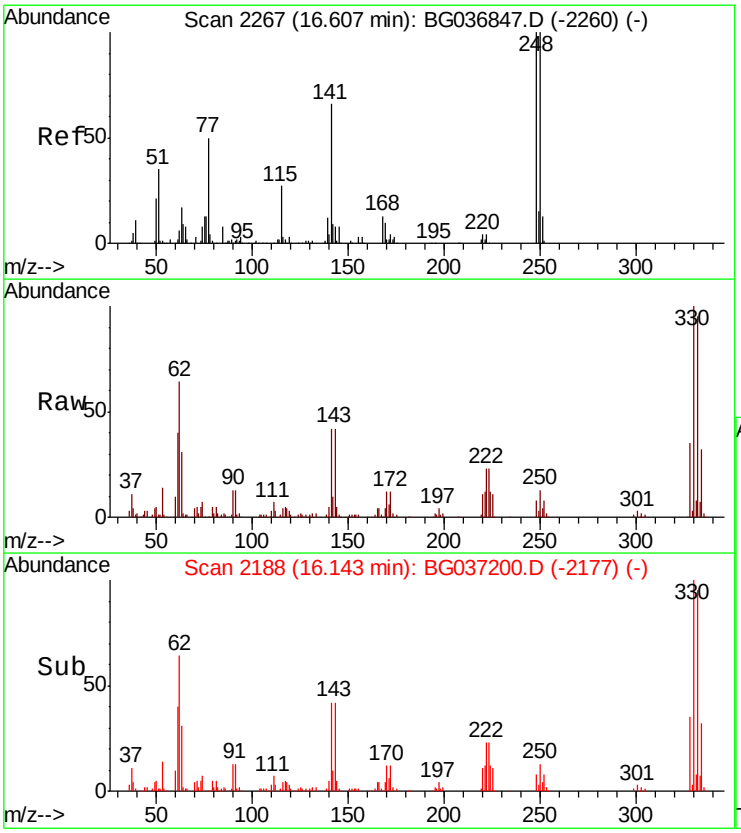

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:188 Resp: 275069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.7 | 10.1 |
| 80 | 8.9 | 8.1 | 12.1 |

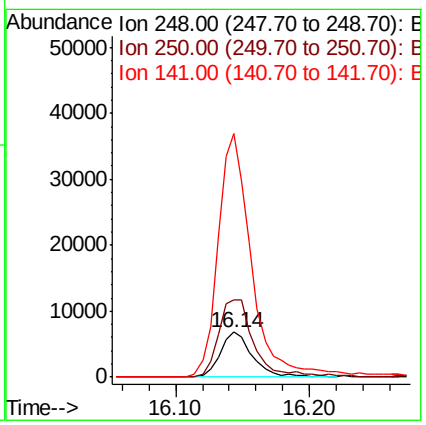


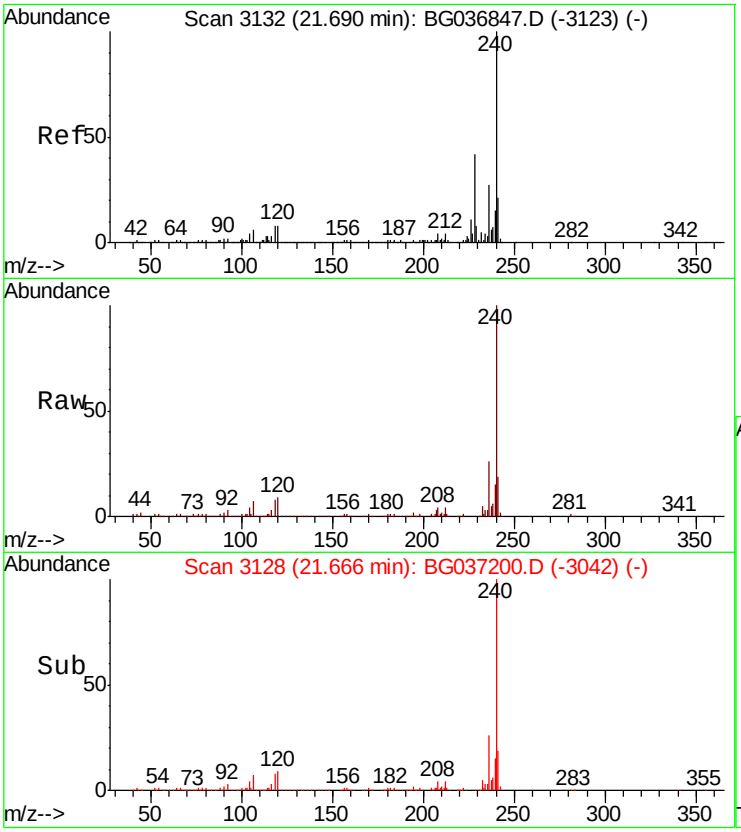




#66
4-Bromophenyl-phenylether
Concen: 3.673 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.46 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:248 Resp: 11492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 173.9 | 78.1 | 117.1# |
| 141 | 544.1 | 53.7 | 80.5# |



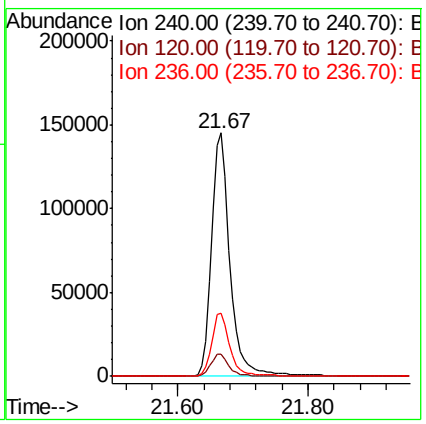


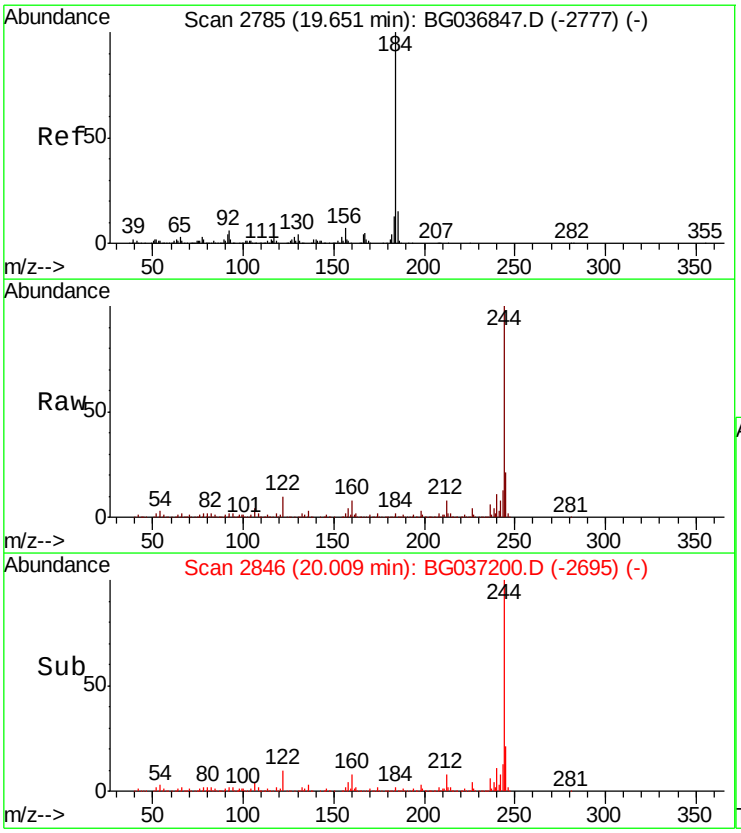

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:240 Resp: 285008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 6.9 | 10.3 |
| 236 | 25.8 | 21.2 | 31.8 |

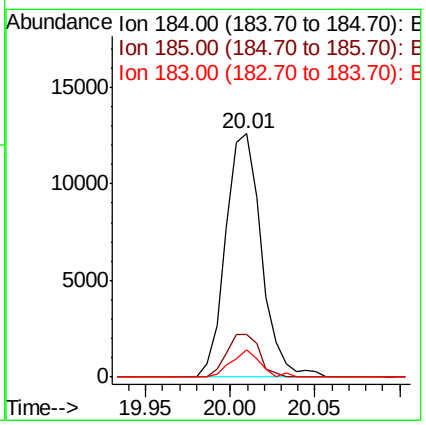


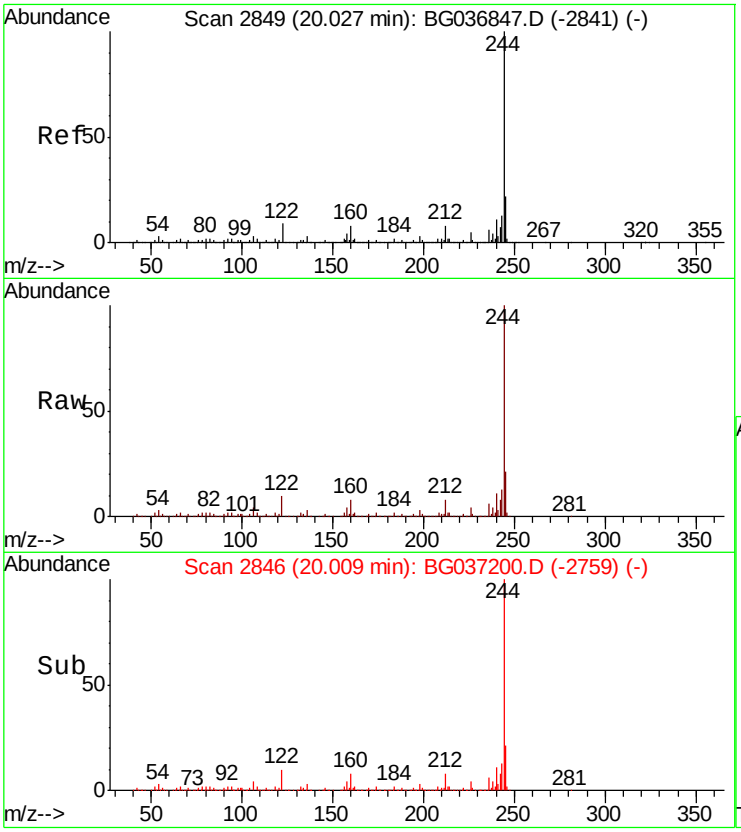




#76
Benzidine
Concen: 2.152 ng
RT: 20.01 min Scan# 2846
Delta R.T. 0.36 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:184 Resp: 18543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.7 | 12.6 | 18.8 |
| 183 | 11.0 | 10.9 | 16.3 |



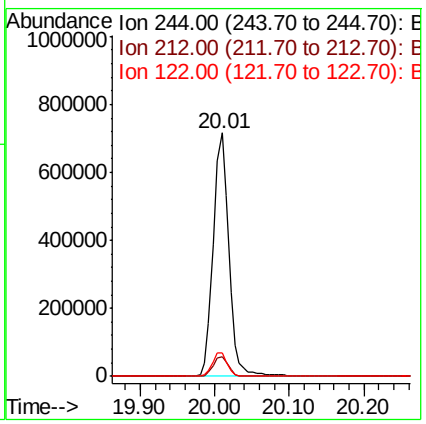


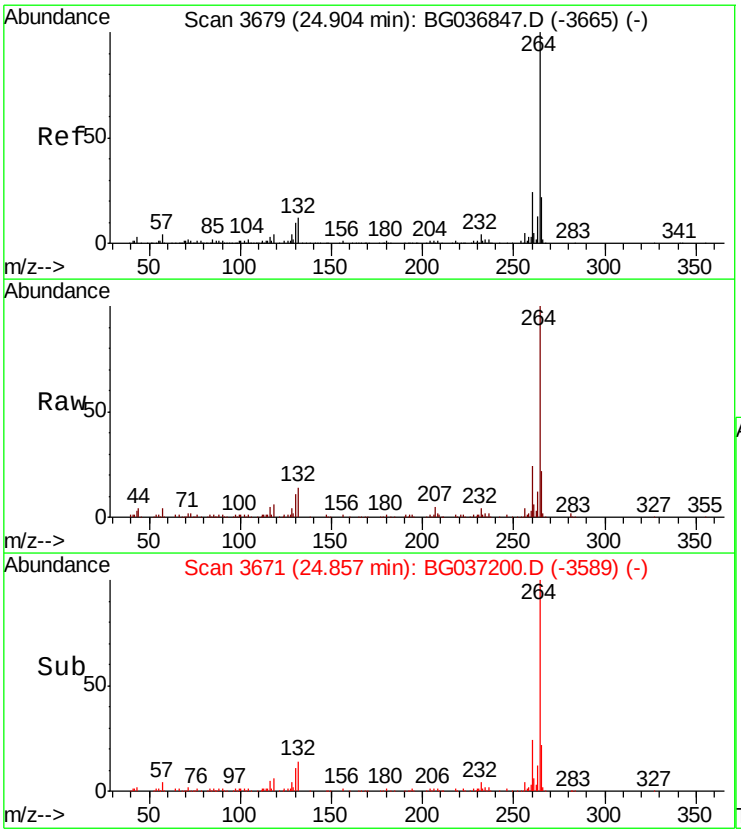

#78
Terphenyl-d14
Concen: 96.115 ng
RT: 20.01 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-100318

Tgt Ion:244 Resp: 1041785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 7.0 | 10.6 |
| 122 | 9.5 | 7.1 | 10.7 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.05 min
Lab File: BG037200.D
Acq: 5 Oct 2018 22:18

Tgt Ion:264 Resp: 267303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.6 | 29.4 |
| 265 | 21.8 | 17.4 | 26.0 |