Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
Data File : BG042873.D
Acq On : 17 Sep 2019 18:45
Operator : HP/JU
Sample : PB123133BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 18 01:51:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 51420 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.92 | 136 | 206007 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.73 | 164 | 156325 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 387322 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 21.75 | 240 | 316263 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 25.01 | 264 | 329925 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 373768 | 126.37 | ng | 0.03 |
| 7) Phenol-d6 | 7.31 | 99 | 575088 | 135.47 | ng | 0.04 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 370309 | 93.59 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 333988 | 160.59 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 974831 | 98.71 | ng | -0.01 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1675219 | 117.39 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 52248 | 16.703 | ng | # 77 |
| 32) Benzoic acid | 10.12 | 122 | 97 | 6.001 | ng | # 1 |
| 51) 2,6-Dinitrotoluene | 14.73 | 165 | 21747 | 9.050 | ng | # 20 |
| 57) 2,4-Dinitrotoluene | 14.73 | 165 | 21747 | 6.790 | ng | # 24 |
| 67) 4-Bromophenyl-phenylether | 16.21 | 248 | 21429 | 4.571 | ng | # 1 |
| 77) Benzidine | 20.08 | 184 | 31591 | 3.575 | ng | # 95 |

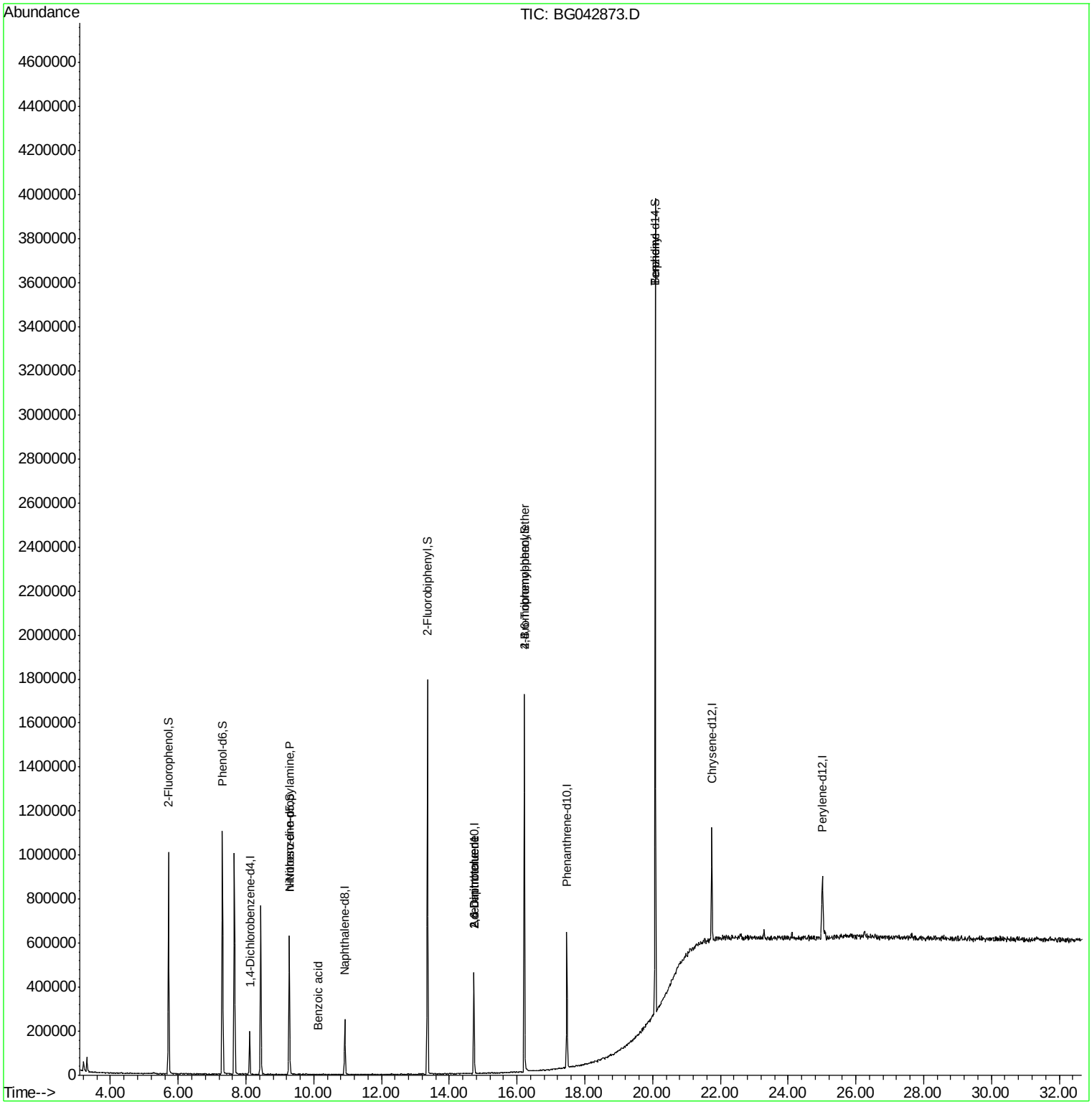
(#) = qualifier out of range (m) = manual integration (+) = signals summed

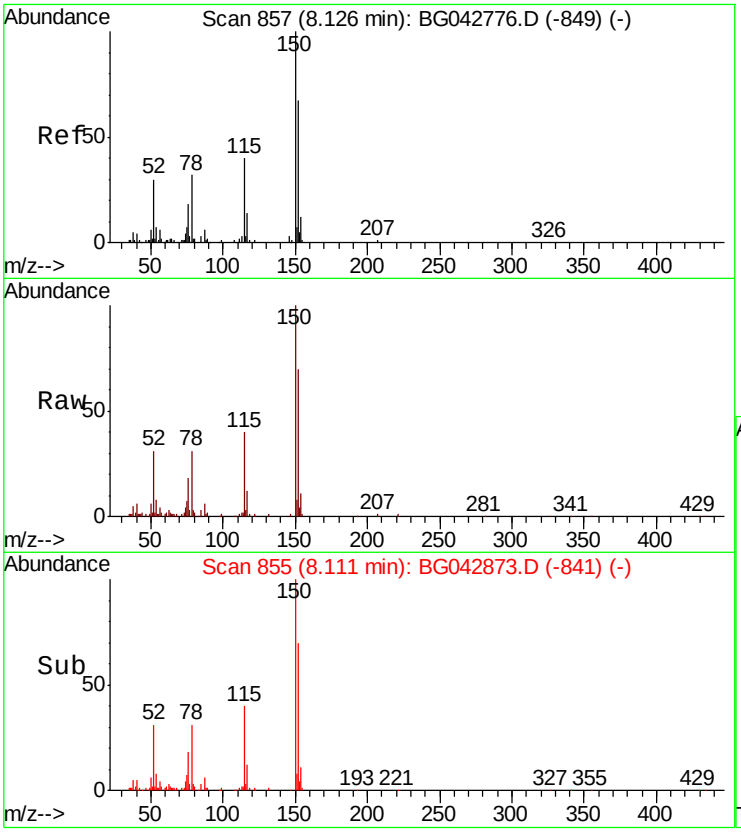
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
Data File : BG042873.D
Acq On : 17 Sep 2019 18:45
Operator : HP/JU
Sample : PB123133BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 18 01:51:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



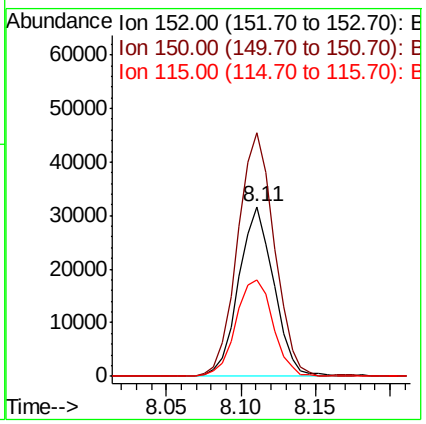


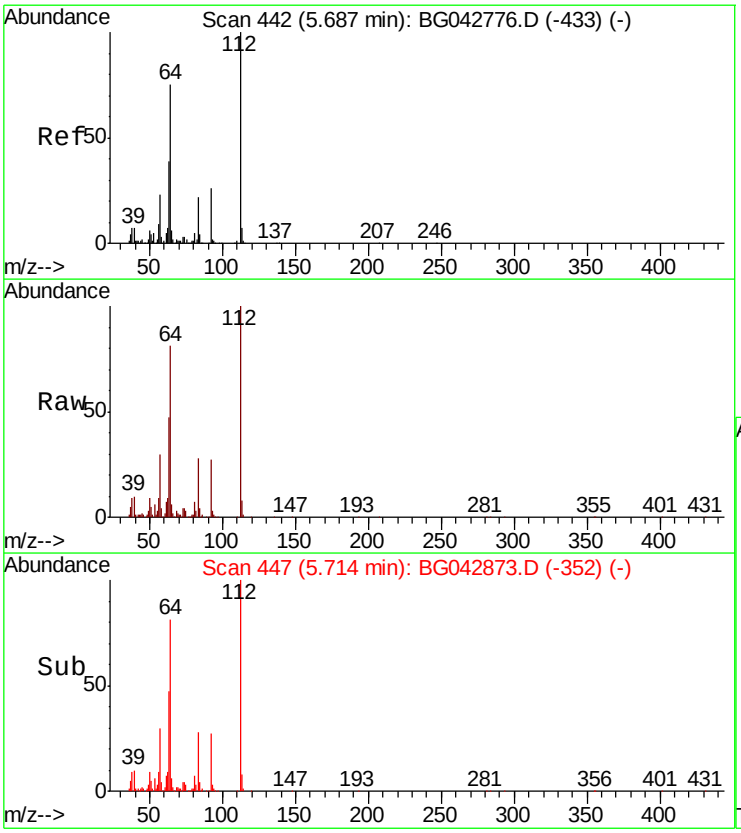

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:152 Resp: 51420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 143.4 | 118.9 | 178.3 |
| 115 | 57.0 | 47.4 | 71.2 |

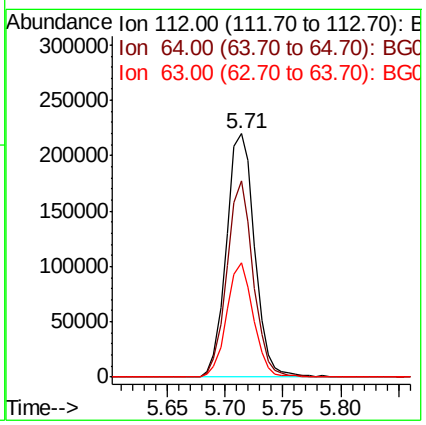


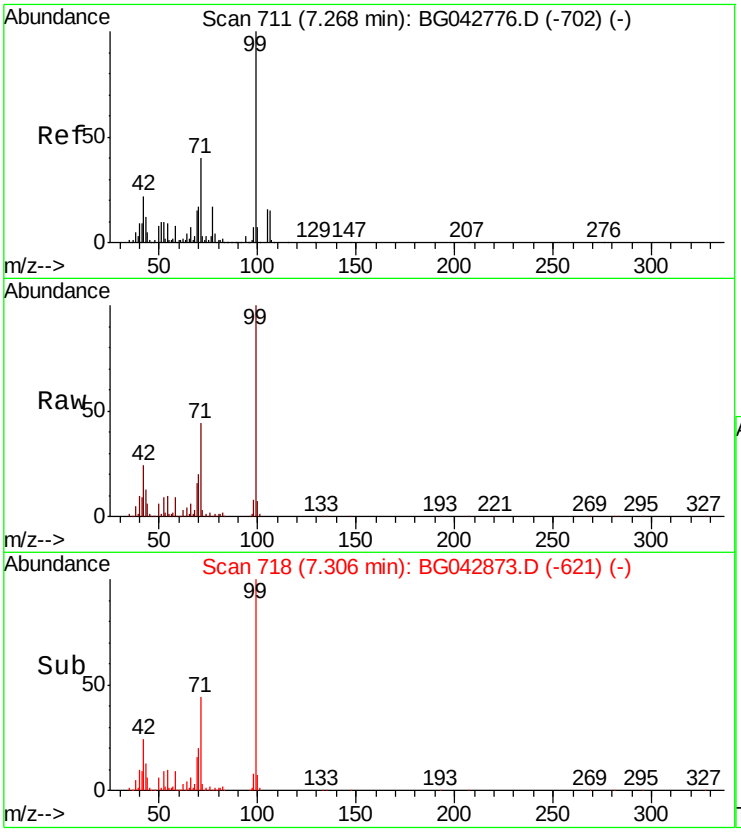




#5
2-Fluorophenol
Concen: 126.374 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.03 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:112 Resp: 373768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 80.5 | 60.2 | 90.2 |
| 63 | 46.7 | 31.2 | 46.8 |



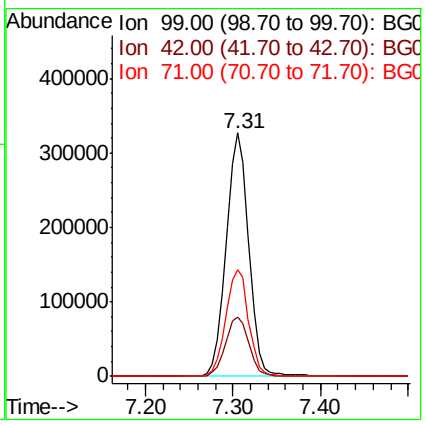


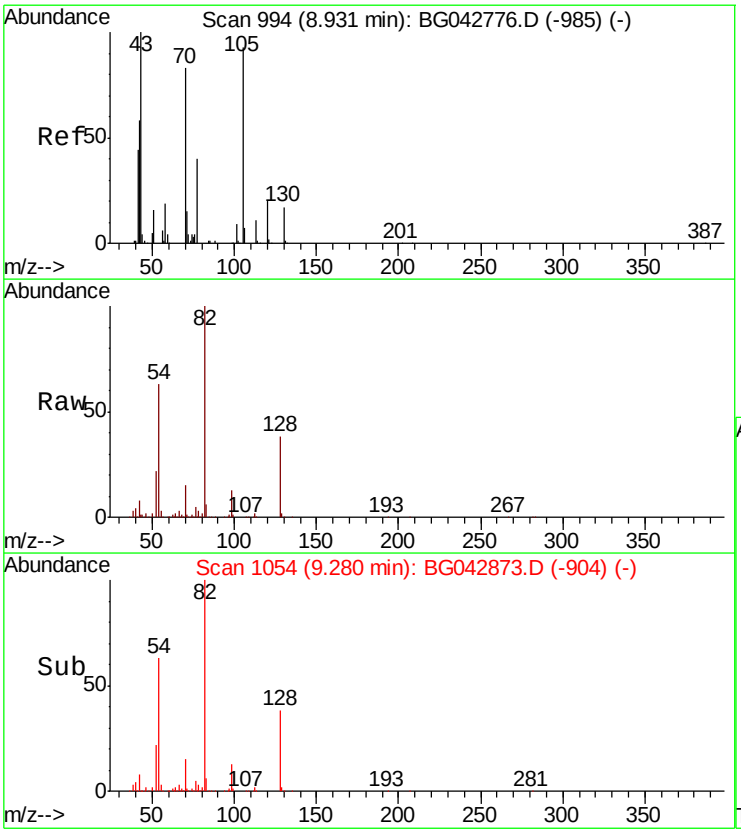

#7
Phenol-d6
Concen: 135.467 ng
RT: 7.31 min Scan# 718
Delta R.T. 0.04 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion: 99 Resp: 575088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.4 | 17.5 | 26.3 |
| 71 | 43.7 | 32.0 | 48.0 |

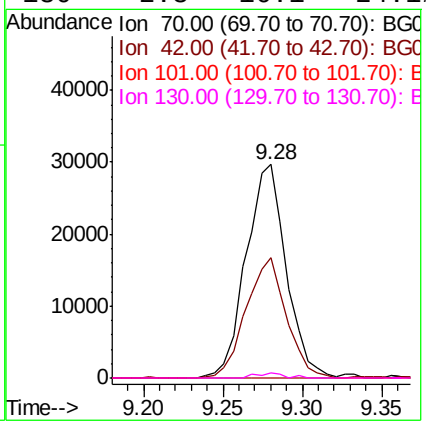


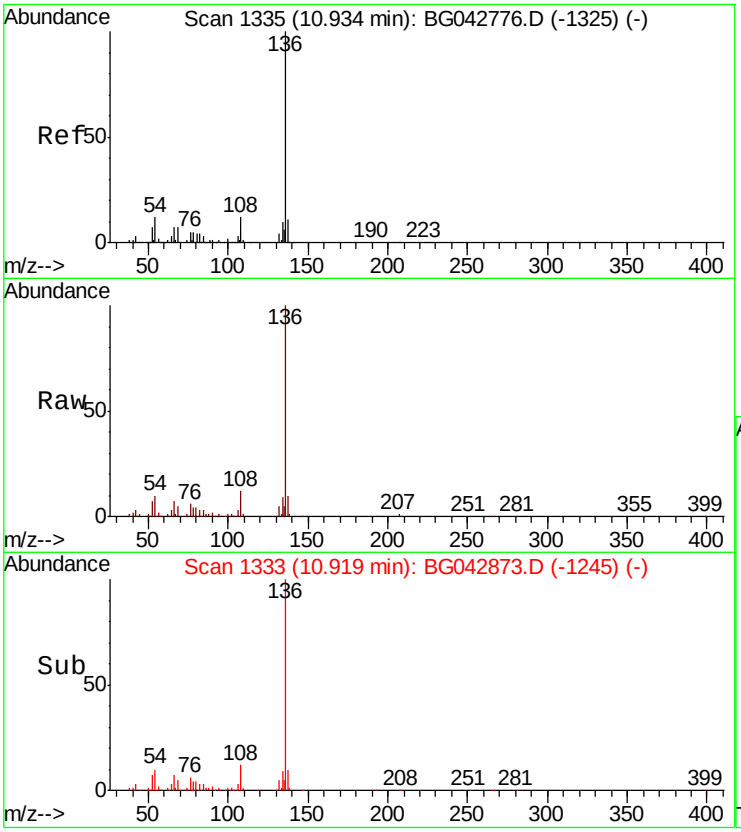




#19
n-Nitroso-di-n-propylamine
Concen: 16.703 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.35 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion: 70 Resp: 52248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.1 | 57.0 | 85.6# |
| 101 | 0.0 | 8.4 | 12.6# |
| 130 | 2.3 | 16.1 | 24.1# |



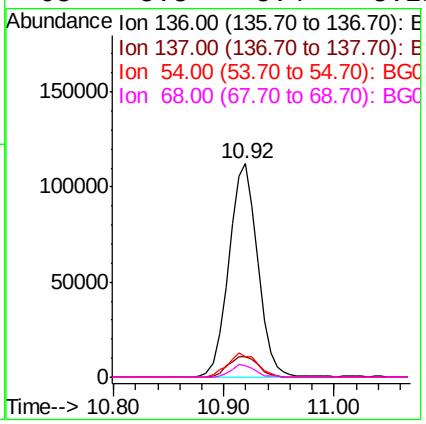


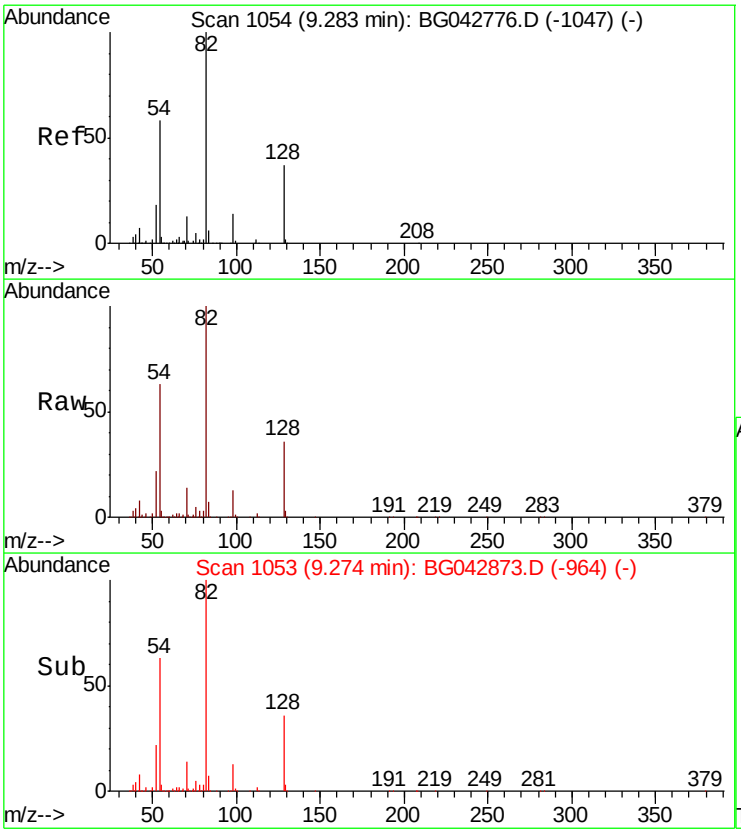

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:136 Resp: 206007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.8 | 9.0 | 13.6 |
| 54 | 9.9 | 9.4 | 14.0 |
| 68 | 5.3 | 5.4 | 8.2# |

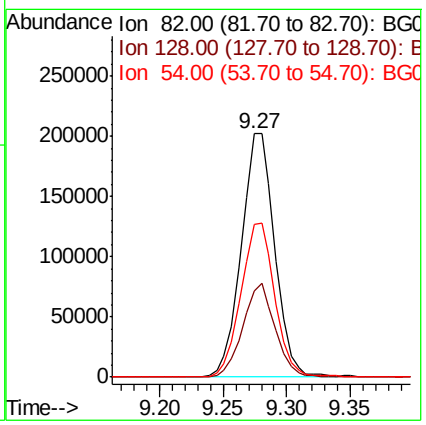


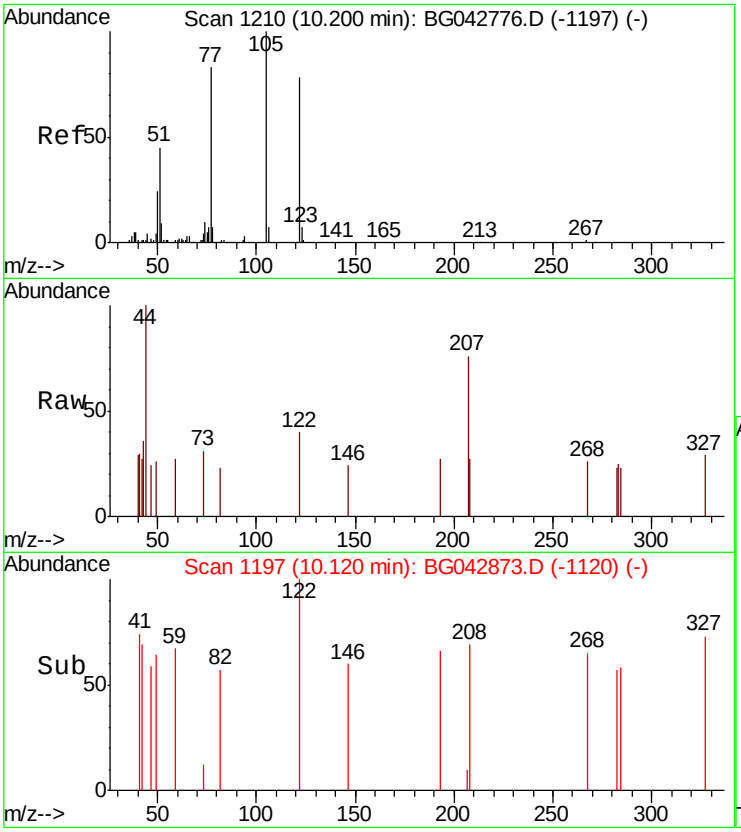




#23
Nitrobenzene-d5
Concen: 93.585 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion: 82 Resp: 370309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.6 | 29.8 | 44.8 |
| 54 | 62.8 | 46.1 | 69.1 |



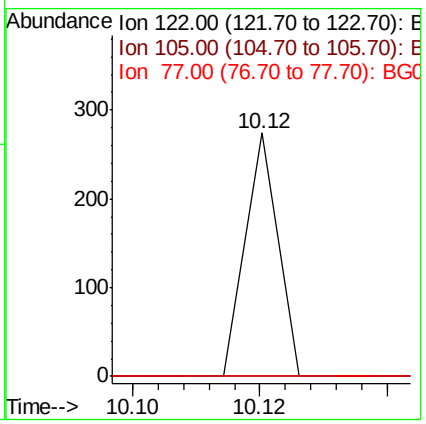


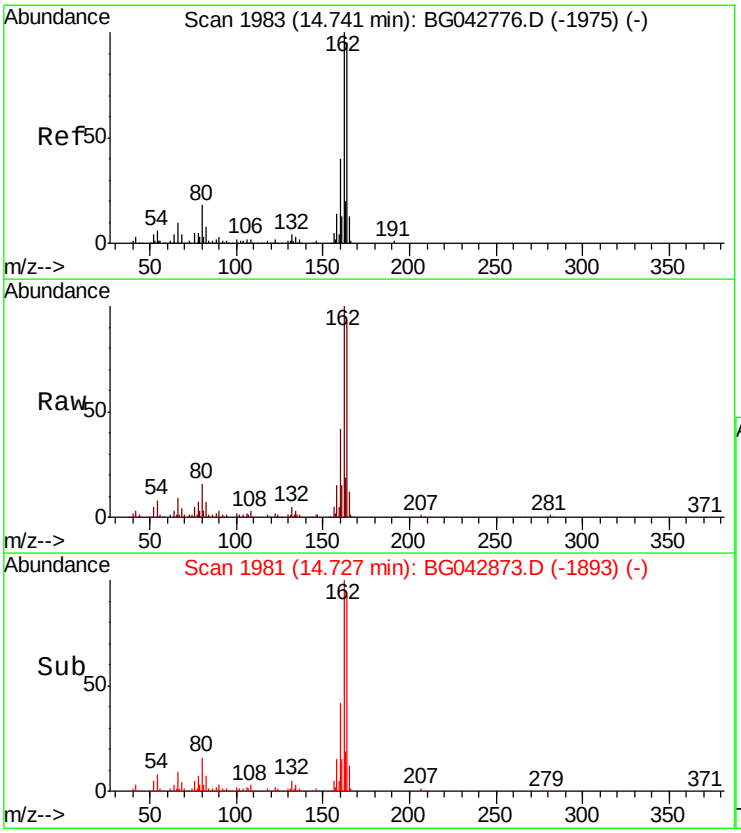

#32
Benzoic acid
Concen: 6.001 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.08 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:122 Resp: 97

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 104.0 | 144.0# |
| 77 | 0.0 | 84.2 | 124.2# |

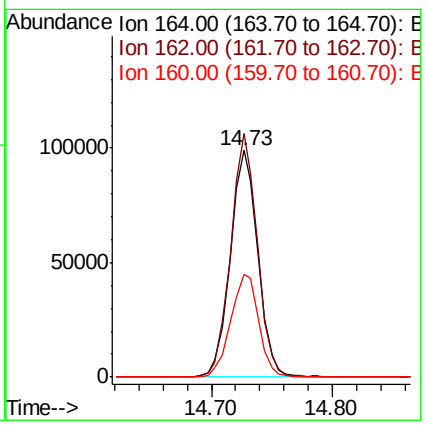


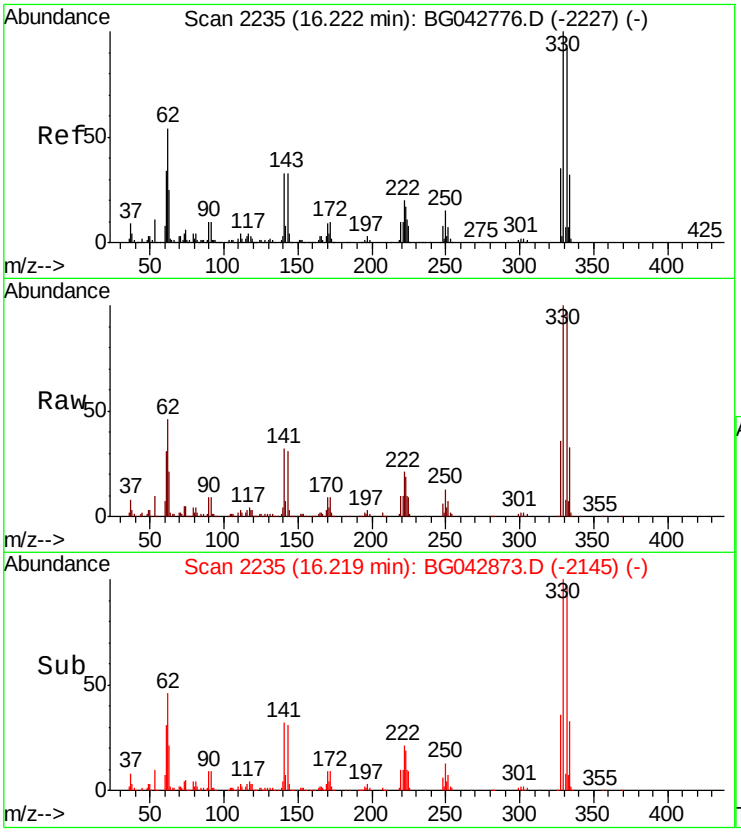




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:164 Resp: 156325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.5 | 84.6 | 126.8 |
| 160 | 45.5 | 34.2 | 51.2 |



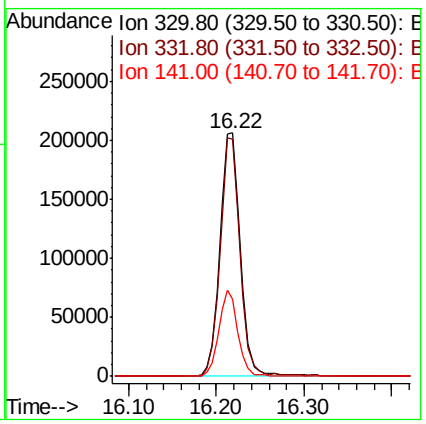


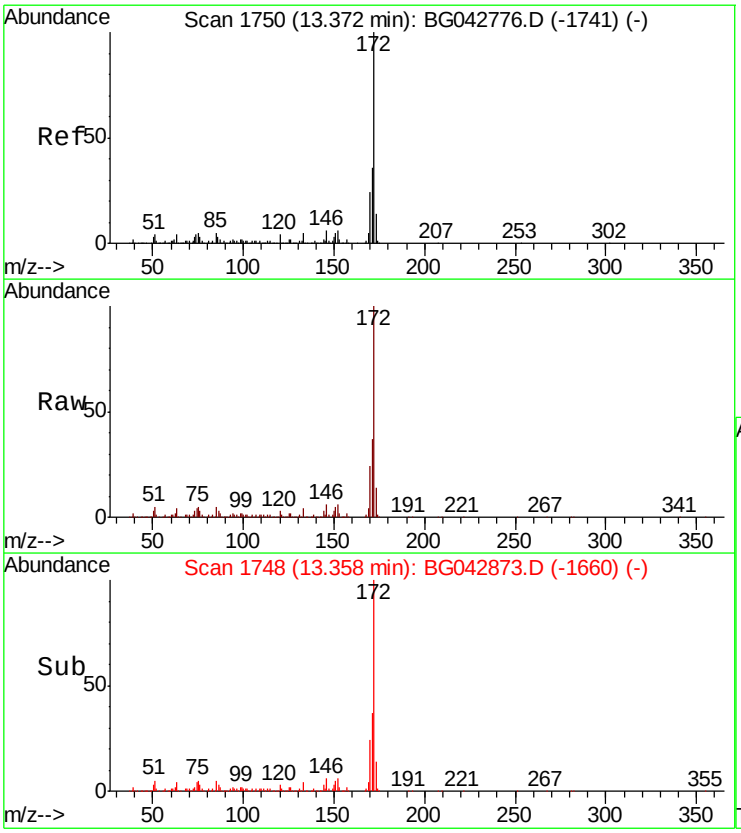

#42
2,4,6-Tribromophenol
Concen: 160.588 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:330 Resp: 333988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 76.7 | 115.1 |
| 141 | 33.1 | 27.0 | 40.6 |

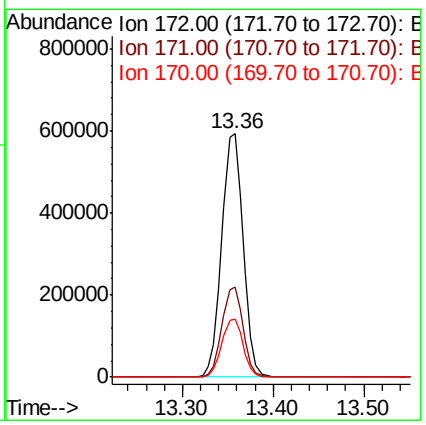


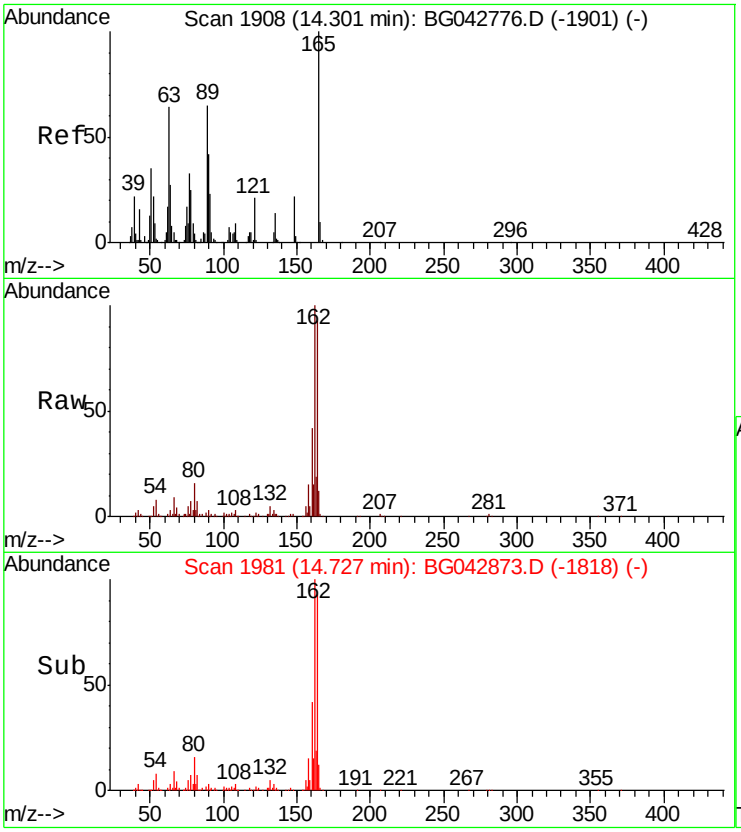




#45
2-Fluorobiphenyl
Concen: 98.711 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:172 Resp: 974831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 28.9 | 43.3 |
| 170 | 24.0 | 19.1 | 28.7 |



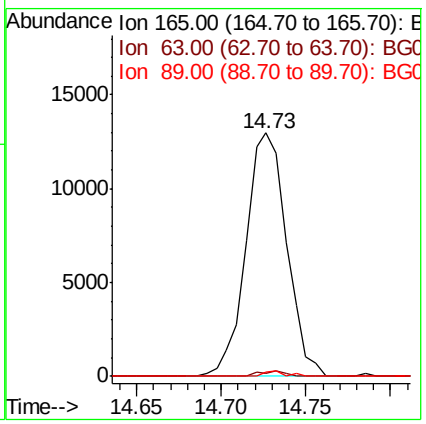


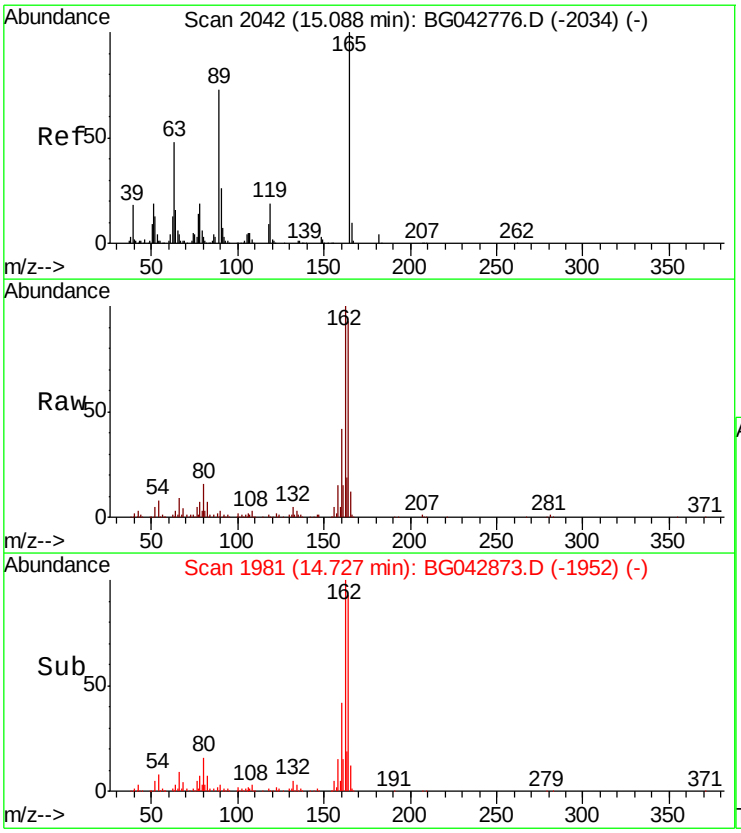

#51
2,6-Dinitrotoluene
Concen: 9.050 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.43 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:165 Resp: 21747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 52.1 | 78.1# |
| 89 | 1.9 | 51.7 | 77.5# |

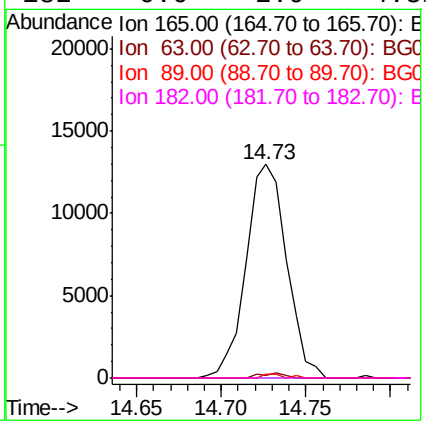


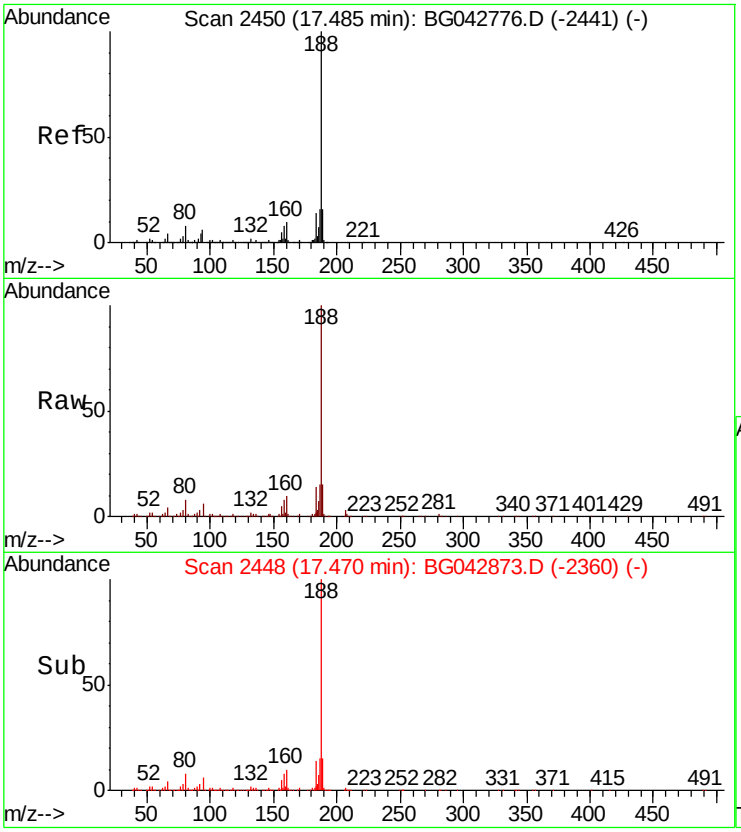




#57
2,4-Dinitrotoluene
Concen: 6.790 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.36 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:165 Resp: 21747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 38.3 | 57.5# |
| 89 | 1.9 | 58.4 | 87.6# |
| 182 | 0.0 | 2.9 | 4.3# |



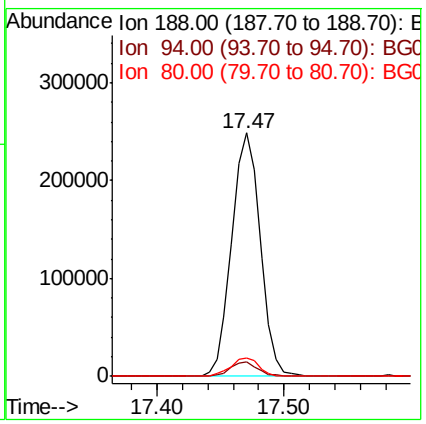


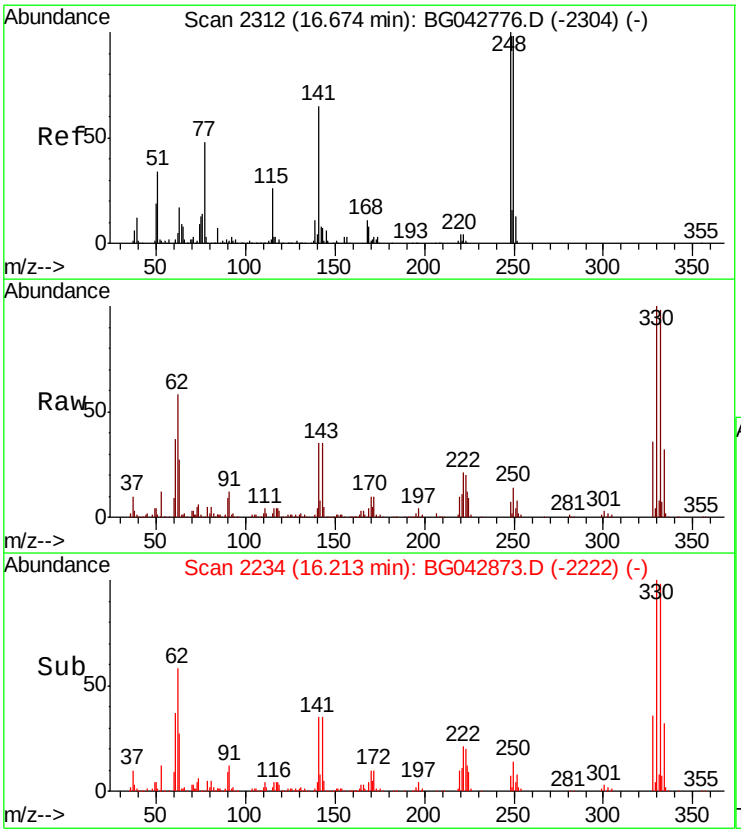

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:188 Resp: 387322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.9 | 4.8 | 7.2 |
| 80 | 7.7 | 6.6 | 9.8 |

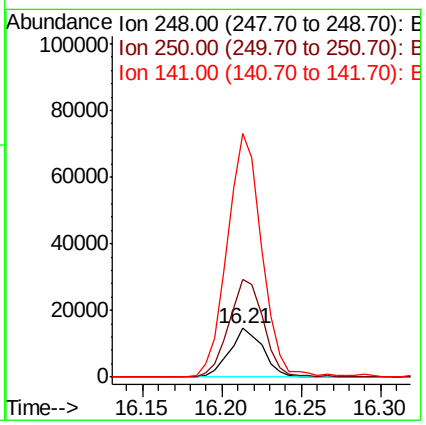


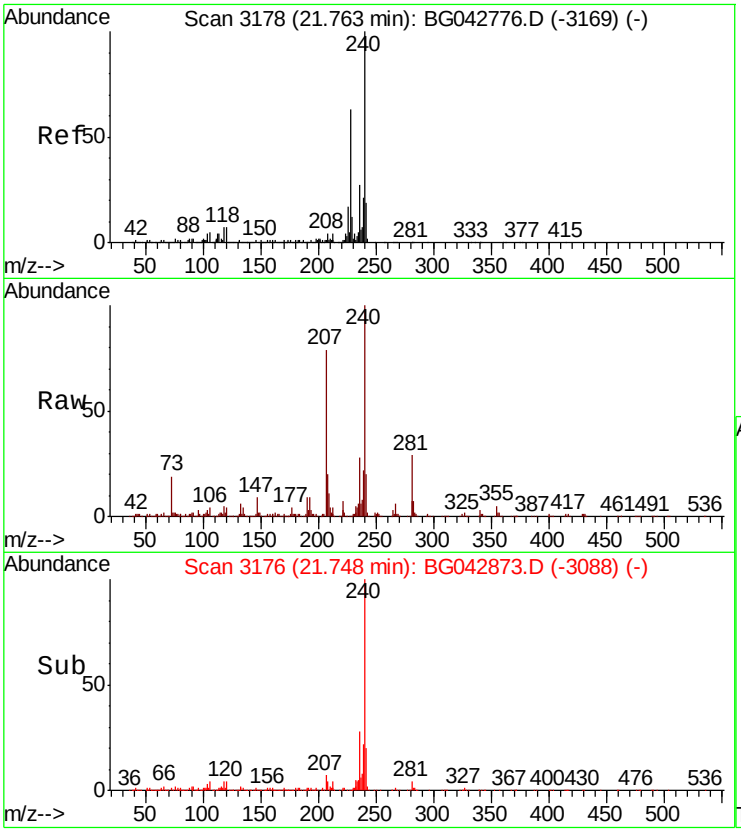




#67
4-Bromophenyl-phenylether
Concen: 4.571 ng
RT: 16.21 min Scan# 2234
Delta R.T. -0.46 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:248 Resp: 21429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 201.4 | 78.0 | 117.0# |
| 141 | 501.3 | 51.8 | 77.6# |



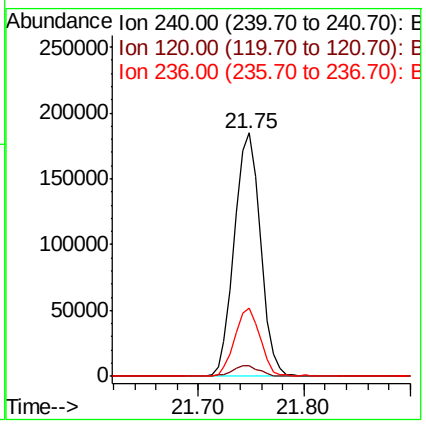


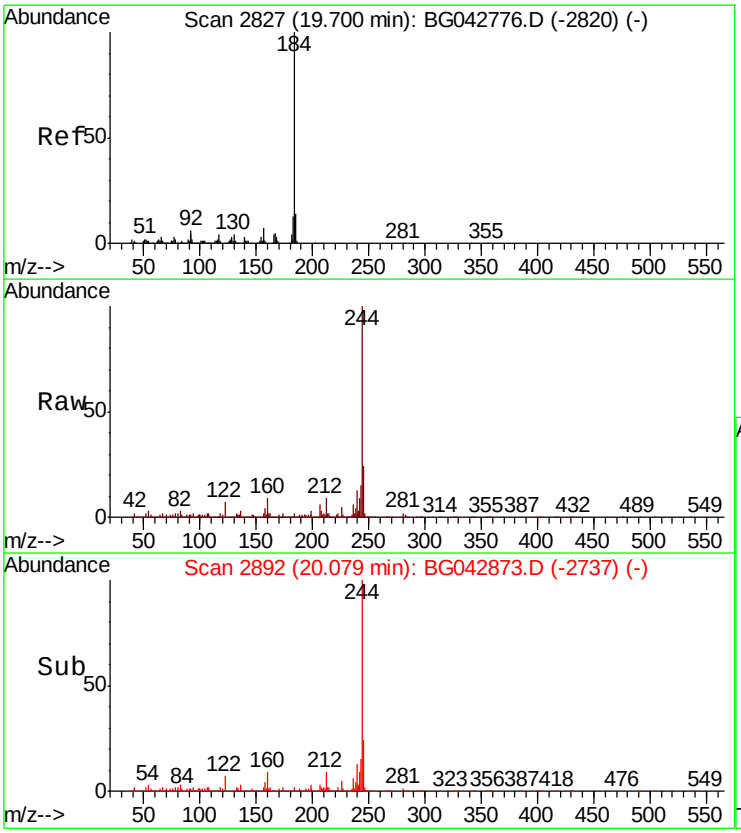

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:240 Resp: 316263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.4 | 5.4 | 8.2# |
| 236 | 27.9 | 21.7 | 32.5 |

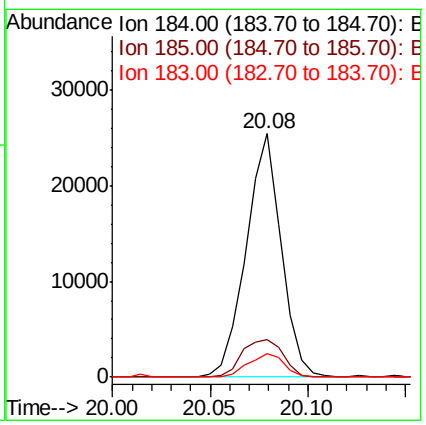


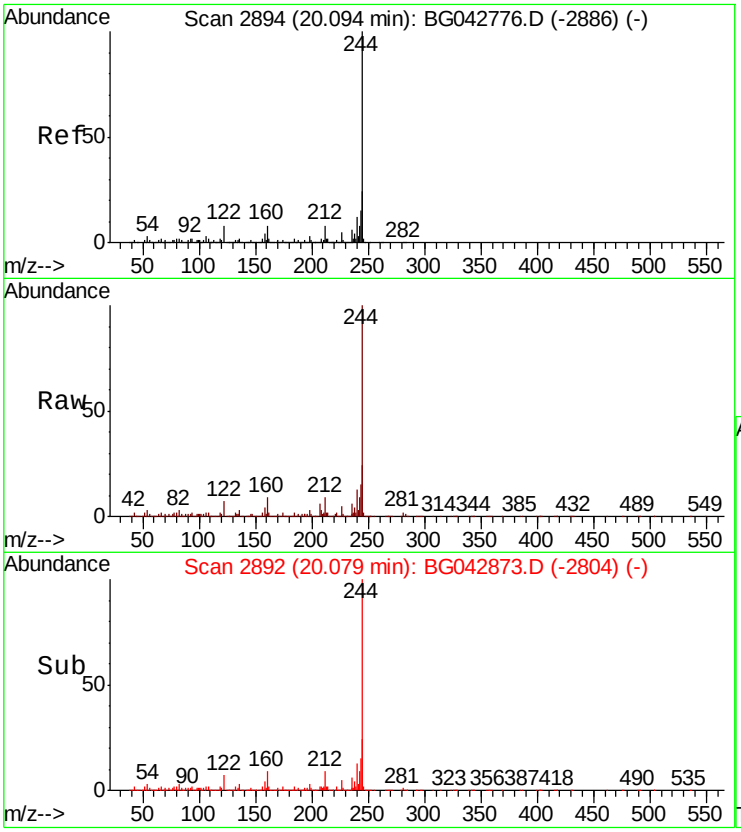




#77
Benzidine
Concen: 3.575 ng
RT: 20.08 min Scan# 2892
Delta R.T. 0.38 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:184 Resp: 31591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.4 | 11.6 | 17.4 |
| 183 | 9.7 | 10.4 | 15.6# |



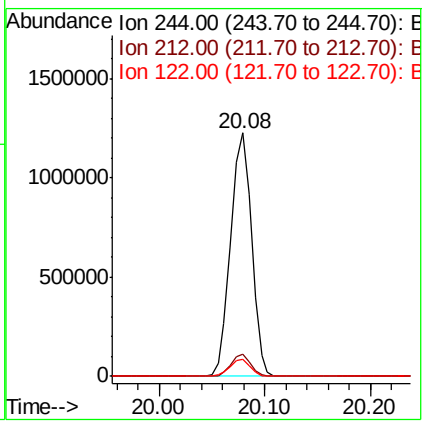


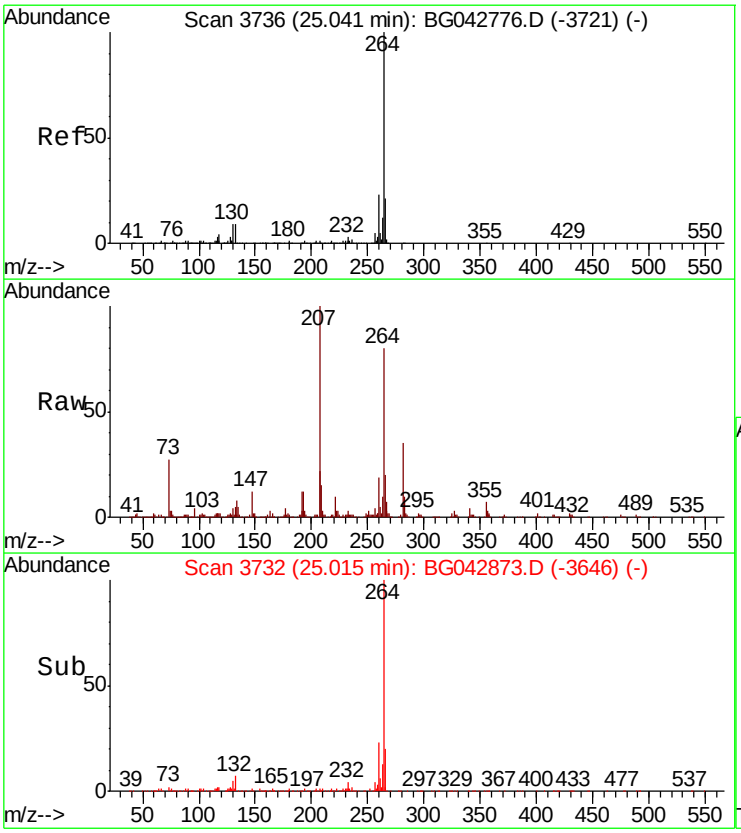

#79
Terphenyl-d14
Concen: 117.395 ng
RT: 20.08 min Scan# 2892
Delta R.T. -0.01 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

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

Tgt Ion:244 Resp: 1675219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.9 | 6.6 | 10.0 |
| 122 | 6.9 | 6.2 | 9.4 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3732
Delta R.T. -0.03 min
Lab File: BG042873.D
Acq: 17 Sep 2019 18:45

Tgt Ion:264 Resp: 329925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.2 | 27.2 |
| 265 | 25.4 | 16.9 | 25.3# |