Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
Data File : BG042312.D
Acq On : 18 Aug 2019 7:29
Operator : HP/JU
Sample : K4277-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-19

Quant Time: Aug 19 06:00:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 62212 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 10.83 | 136 | 229857 | 20.00 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 165134 | 20.00 | ng | -0.04 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 405701 | 20.00 | ng | -0.04 |
| 76) Chrysene-d12 | 21.69 | 240 | 462186 | 20.00 | ng | -0.04 |
| 87) Perylene-d12 | 24.93 | 264 | 518333 | 20.00 | ng | -0.08 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 412275 | 128.94 | ng | -0.03 |
| 7) Phenol-d6 | 7.17 | 99 | 495085 | 114.85 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 355612 | 106.47 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 353787 | 188.62 | ng | -0.03 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 1080097 | 115.36 | ng | -0.04 |
| 79) Terphenyl-d14 | 20.03 | 244 | 2084551 | 103.21 | ng | -0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 15012 | 9.975 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 9.17 | 70 | 45536 | 14.550 | ng | # 61 |
| 51) 2,6-Dinitrotoluene | 14.66 | 165 | 21691 | 9.198 | ng | # 25 |
| 57) 2,4-Dinitrotoluene | 14.66 | 165 | 21691 | 6.688 | ng | # 27 |
| 65) 4,6-Dinitro-2-methylphenol | 16.15 | 198 | 864 | 7.225 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 16.16 | 248 | 25267 | 5.056 | ng | # 1 |

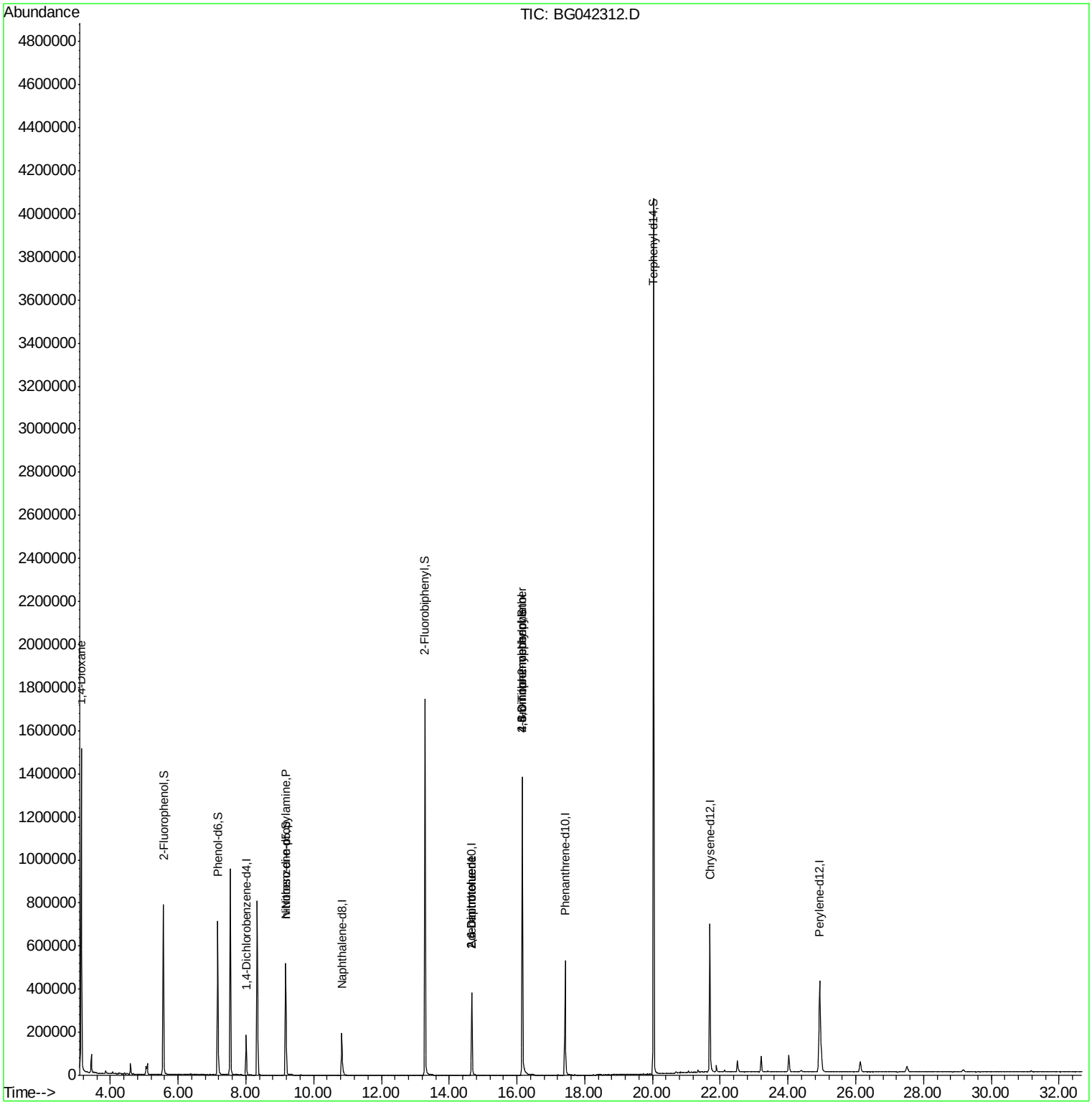
(#) = qualifier out of range (m) = manual integration (+) = signals summed

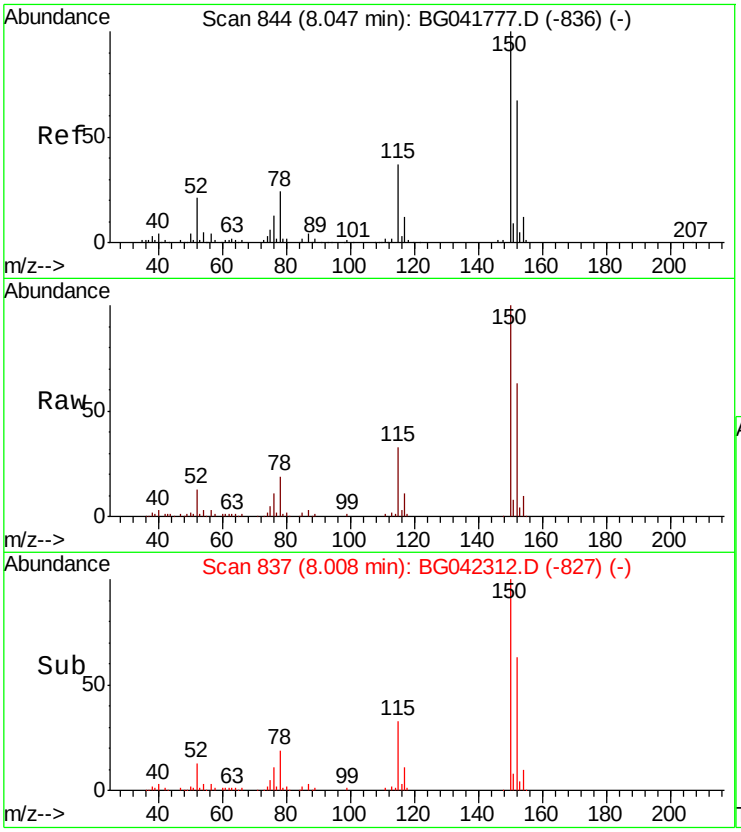
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
Data File : BG042312.D
Acq On : 18 Aug 2019 7:29
Operator : HP/JU
Sample : K4277-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Quant Time: Aug 19 06:00:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration



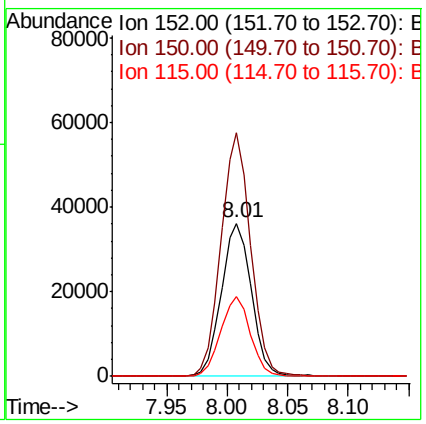


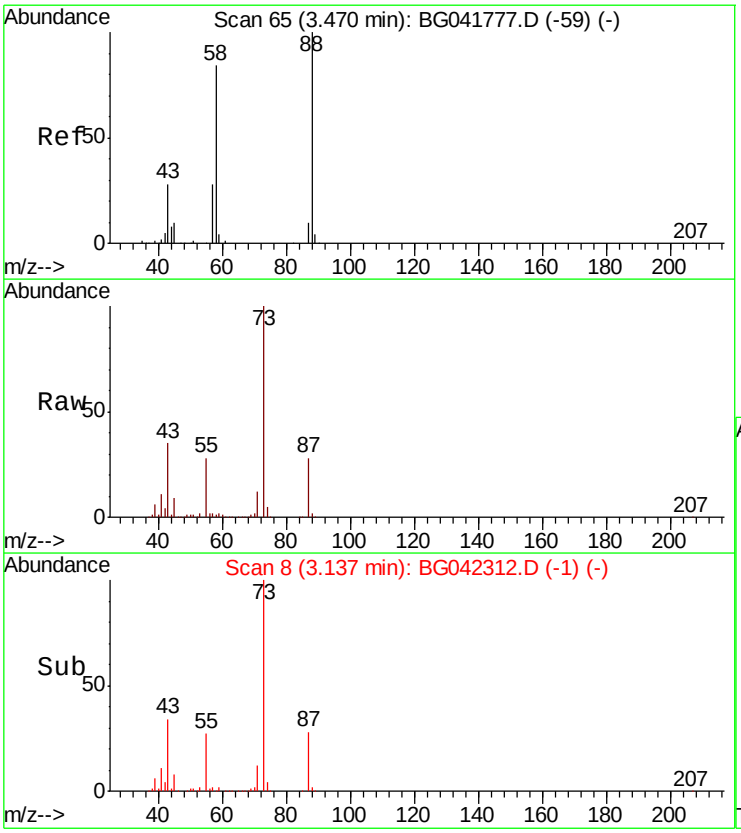

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:152 Resp: 62212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.1 | 126.9 | 190.3 |
| 115 | 52.0 | 45.0 | 67.6 |

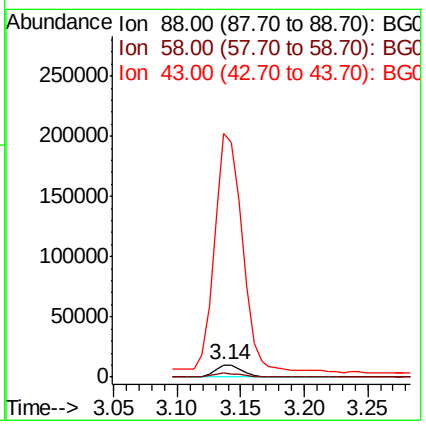


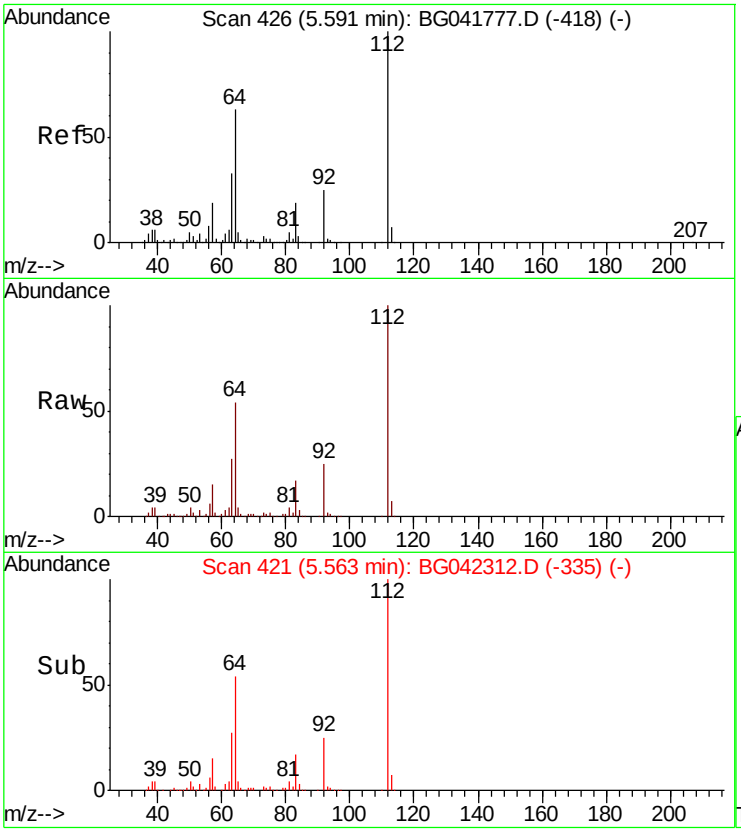




#2
1,4-Dioxane
Concen: 9.975 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.33 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion: 88 Resp: 15012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 26.7 | 76.2 | 114.2# |
| 43 | 2064.7 | 27.2 | 40.8# |



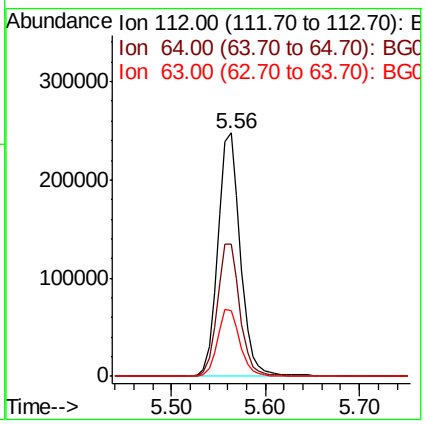


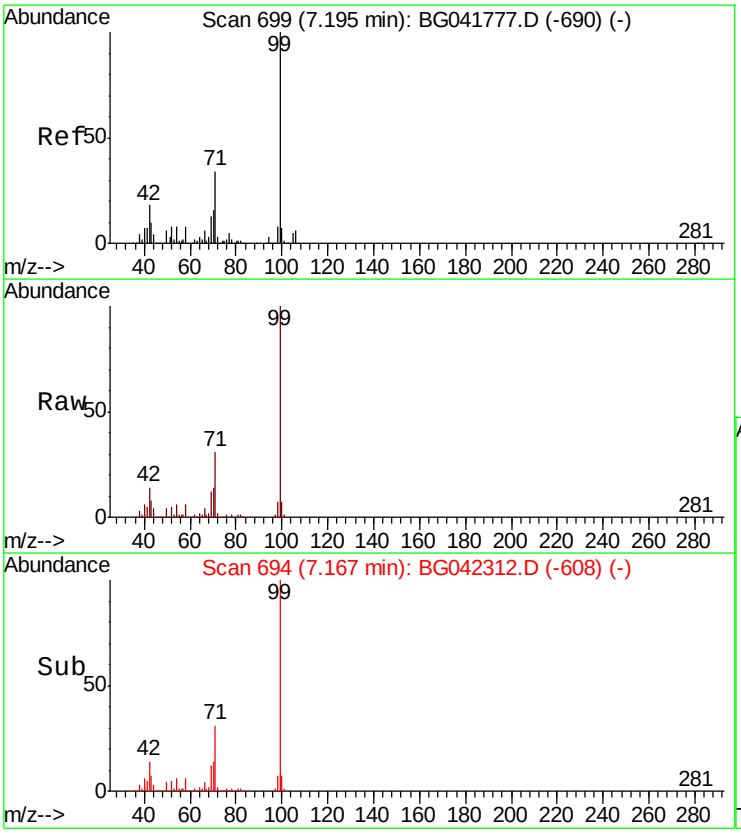

#5
2-Fluorophenol
Concen: 128.935 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.03 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:112 Resp: 412275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.3 | 55.4 | 83.2# |
| 63 | 27.1 | 29.1 | 43.7# |

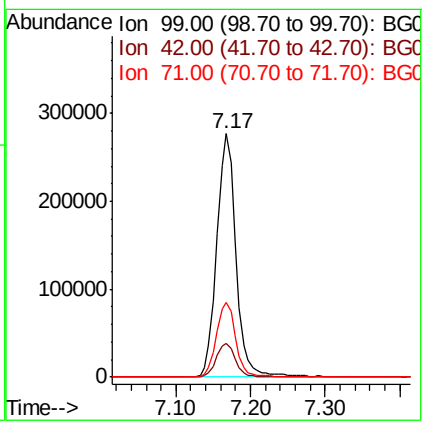


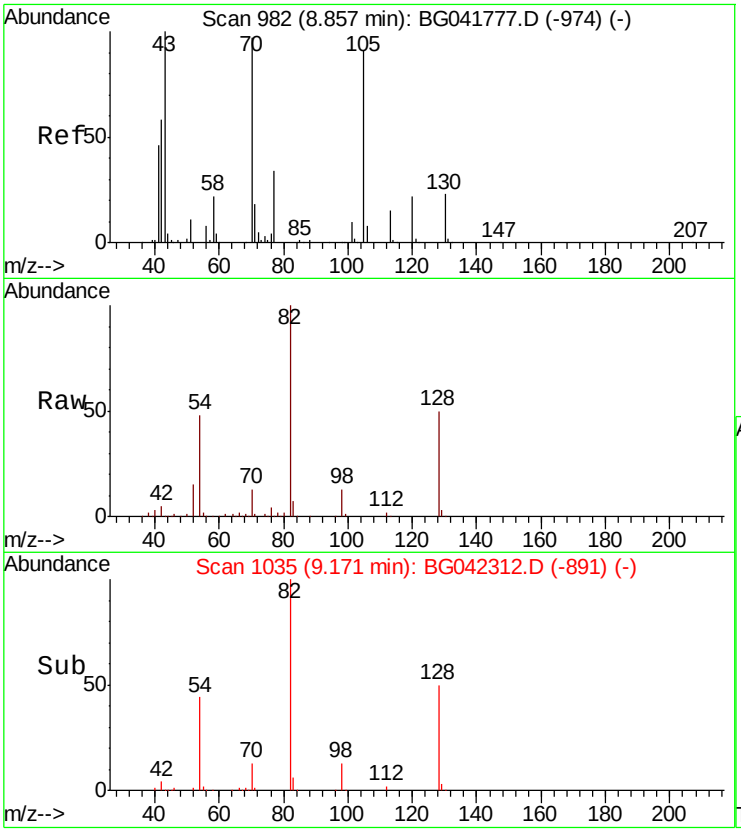




#7
Phenol-d6
Concen: 114.848 ng
RT: 7.17 min Scan# 694
Delta R.T. -0.03 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion: 99 Resp: 495085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.1 | 17.6 | 26.4# |
| 71 | 30.7 | 27.8 | 41.6 |



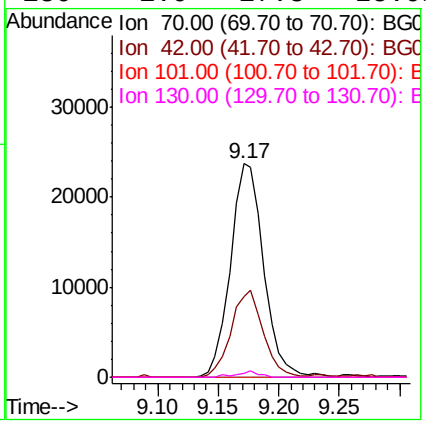


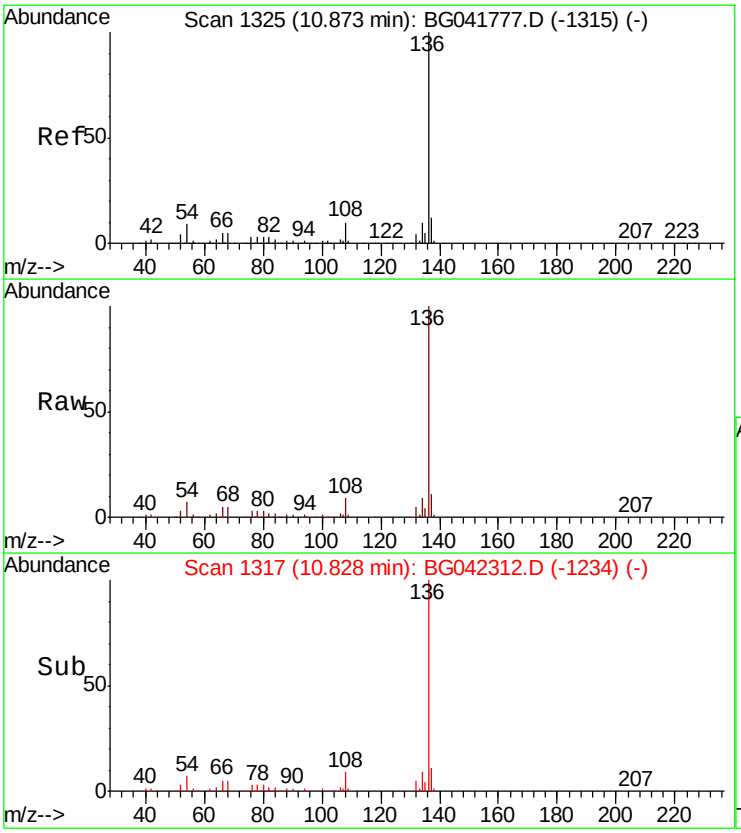

#19
n-Nitroso-di-n-propylamine
Concen: 14.550 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.31 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion: 70 Resp: 45536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 37.5 | 55.8 | 83.6# |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 1.9 | 17.3 | 25.9# |

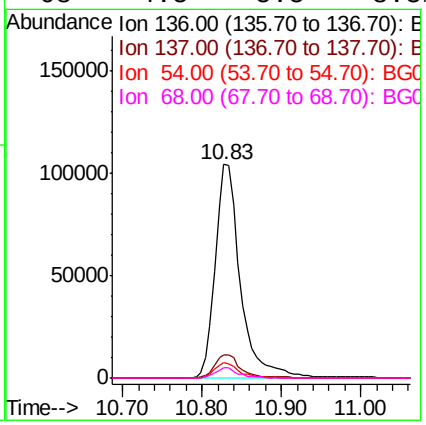


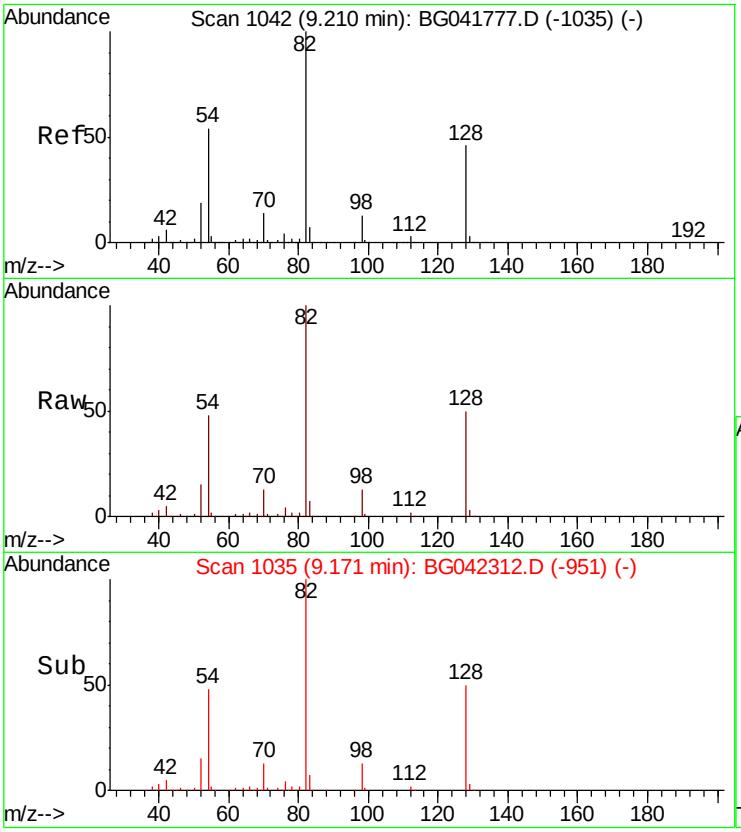




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:136 Resp: 229857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.2 | 13.8 |
| 54 | 7.0 | 8.7 | 13.1# |
| 68 | 4.5 | 5.5 | 8.3# |



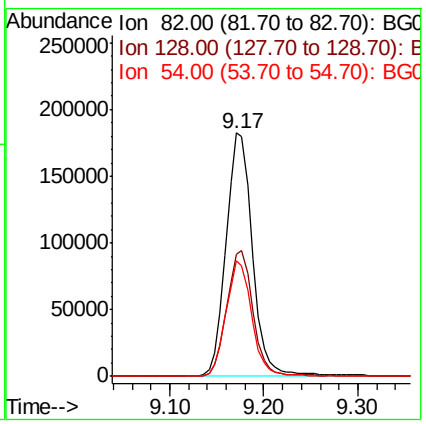


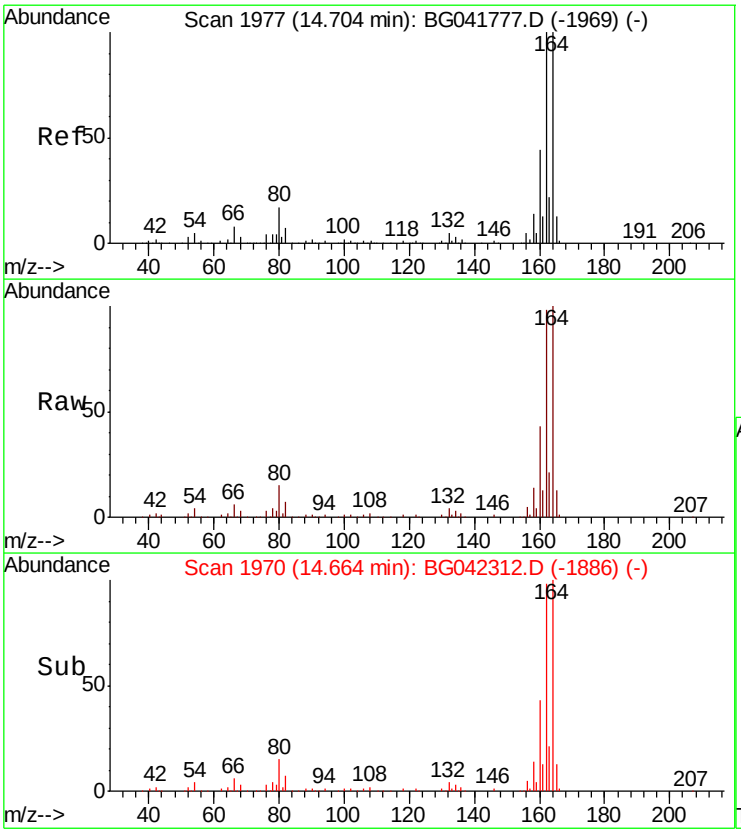

#23
Nitrobenzene-d5
Concen: 106.466 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion: 82 Resp: 355612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.3 | 35.1 | 52.7 |
| 54 | 47.6 | 48.7 | 73.1# |

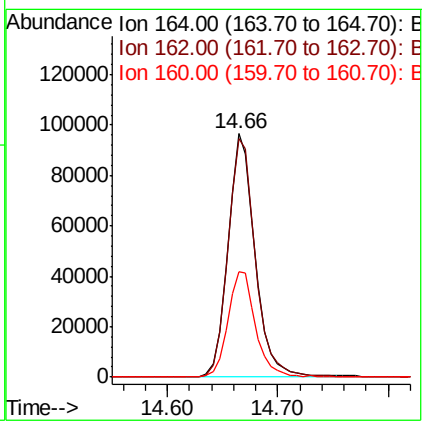


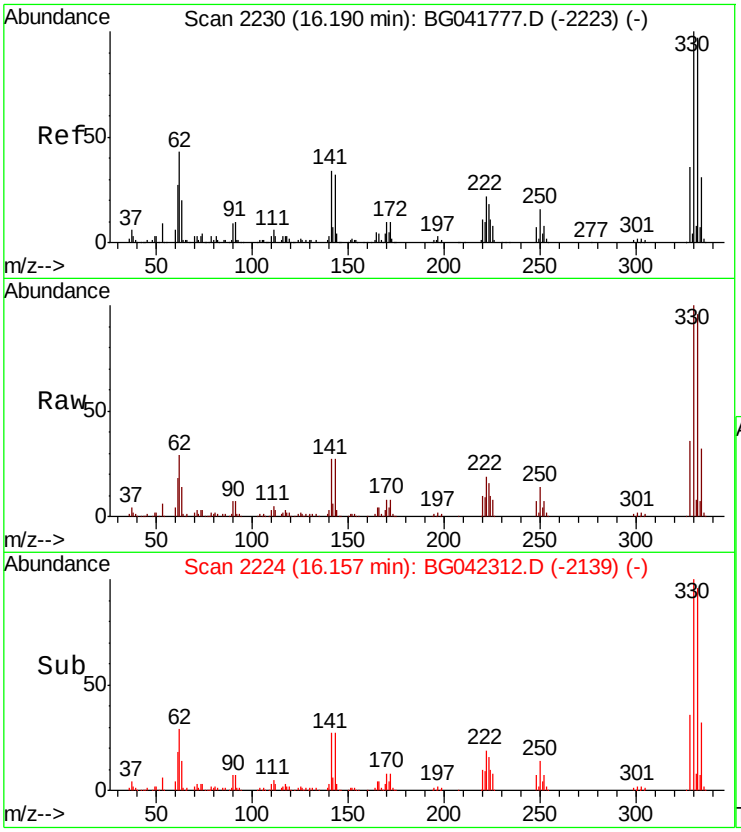




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:164 Resp: 165134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.2 | 79.6 | 119.4 |
| 160 | 43.3 | 35.4 | 53.0 |



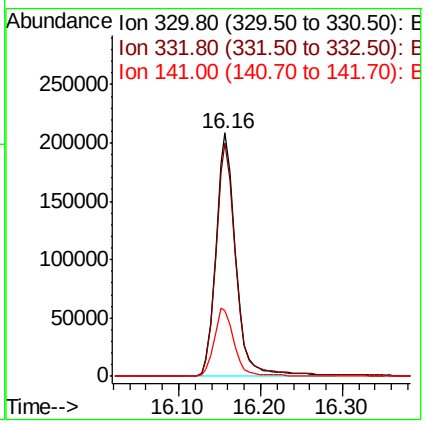


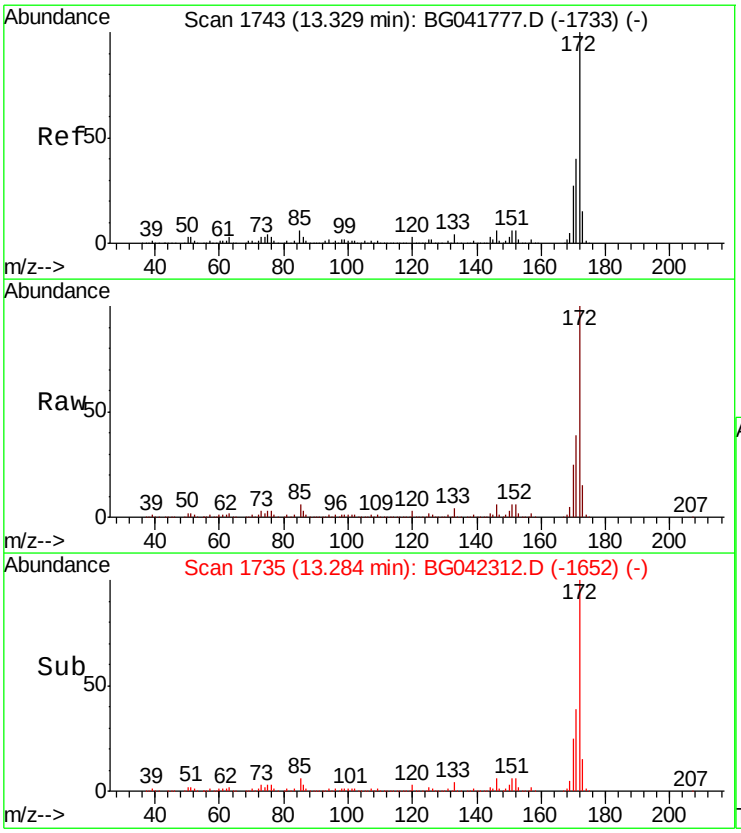

#42
2,4,6-Tribromophenol
Concen: 188.616 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.03 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:330 Resp: 353787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.4 | 116.0 |
| 141 | 28.6 | 31.9 | 47.9# |

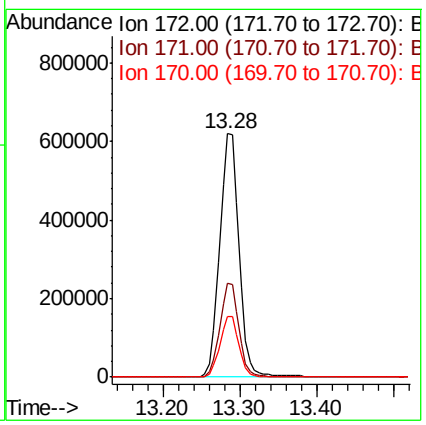


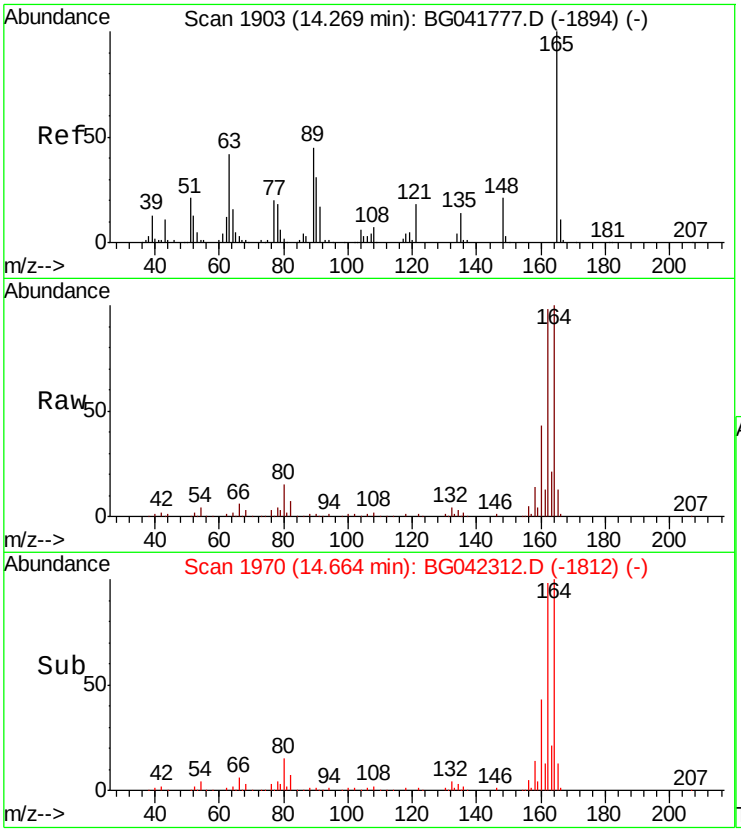




#45
2-Fluorobiphenyl
Concen: 115.360 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:172 Resp: 1080097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.7 | 35.0 | 52.4 |
| 170 | 25.1 | 23.5 | 35.3 |



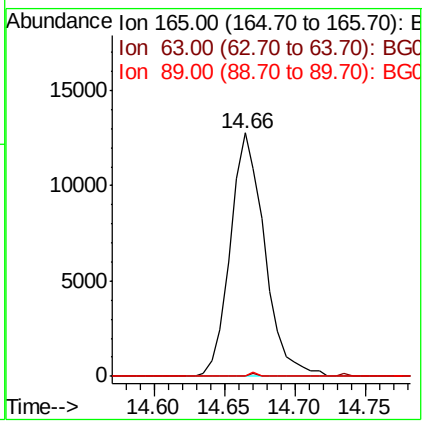


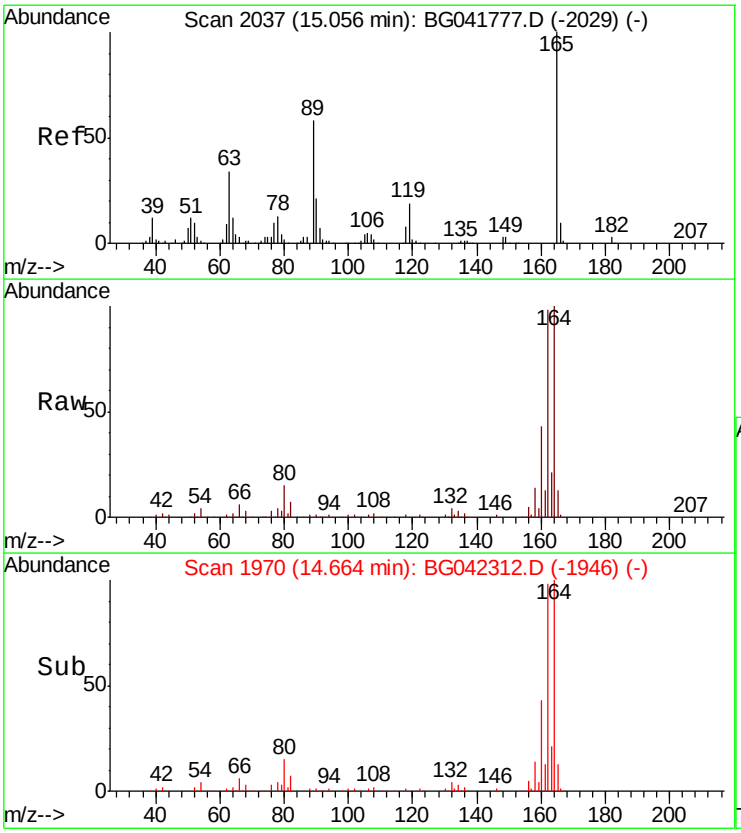

#51
2,6-Dinitrotoluene
Concen: 9.198 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.40 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:165 Resp: 21691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 42.4 | 63.6# |
| 89 | 0.0 | 42.1 | 63.1# |

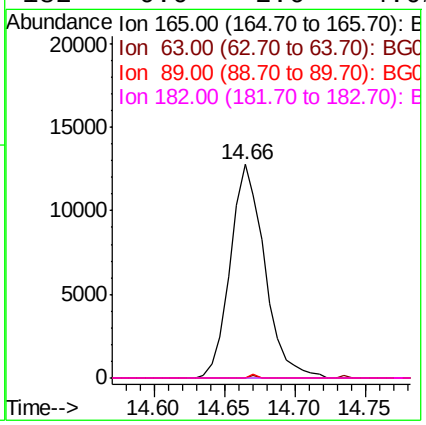


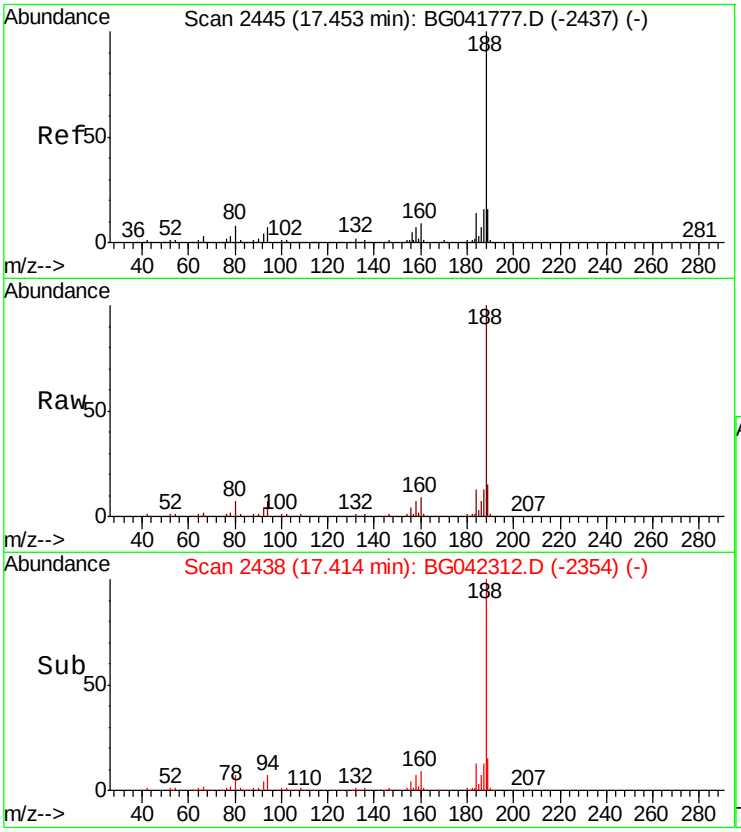




#57
2,4-Dinitrotoluene
Concen: 6.688 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.39 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:165 Resp: 21691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 31.7 | 47.5# |
| 89 | 0.0 | 50.2 | 75.4# |
| 182 | 0.0 | 2.6 | 4.0# |



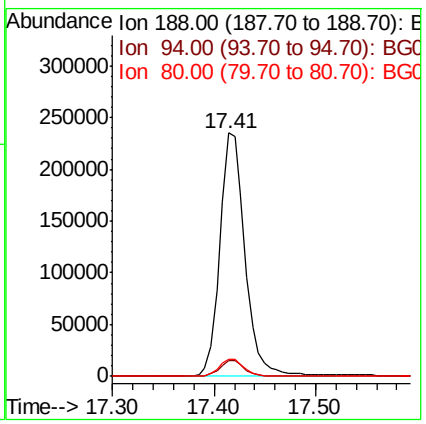


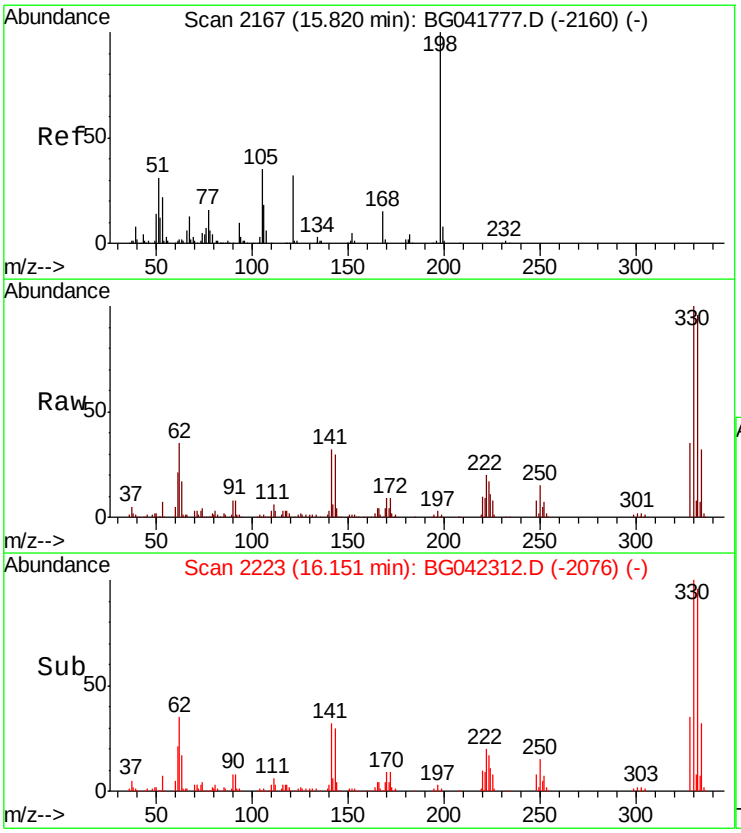

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:188 Resp: 405701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.7 | 6.9 | 10.3# |
| 80 | 7.1 | 8.0 | 12.0# |

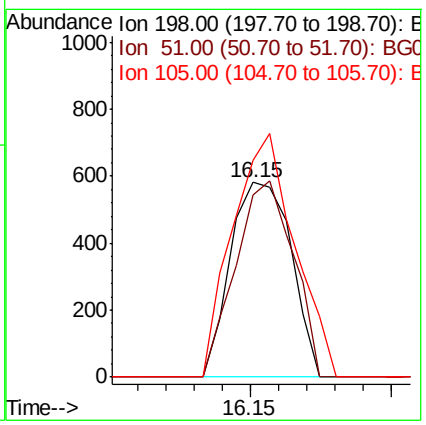


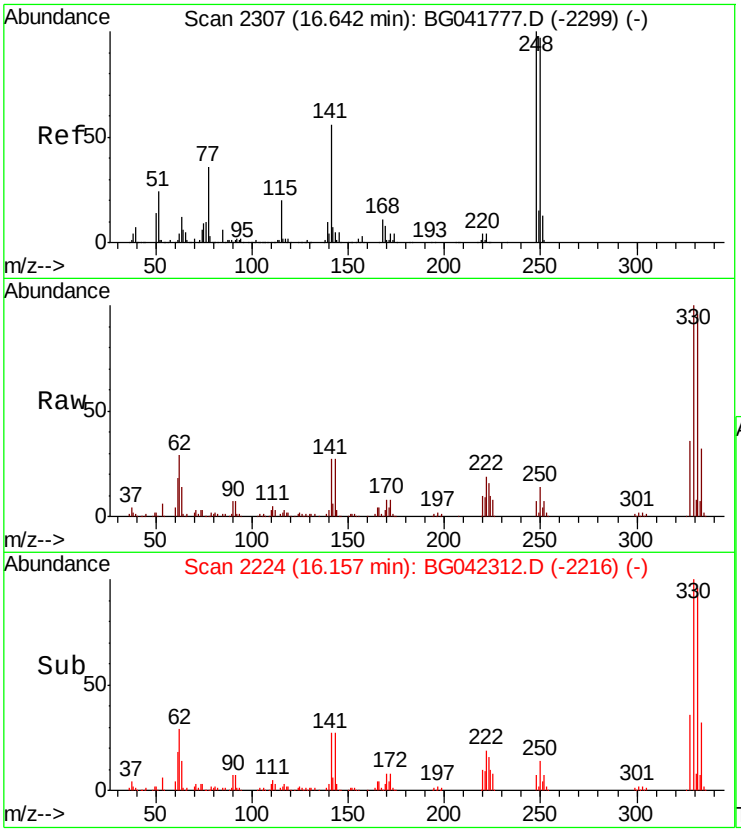




#65
4,6-Dinitro-2-methylphenol
Concen: 7.225 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.33 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:198 Resp: 864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 93.5 | 22.3 | 62.3# |
| 105 | 111.5 | 18.0 | 58.0# |



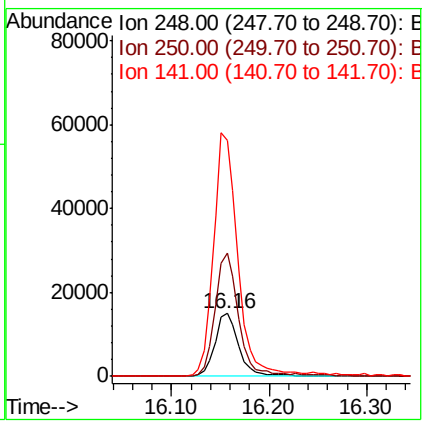


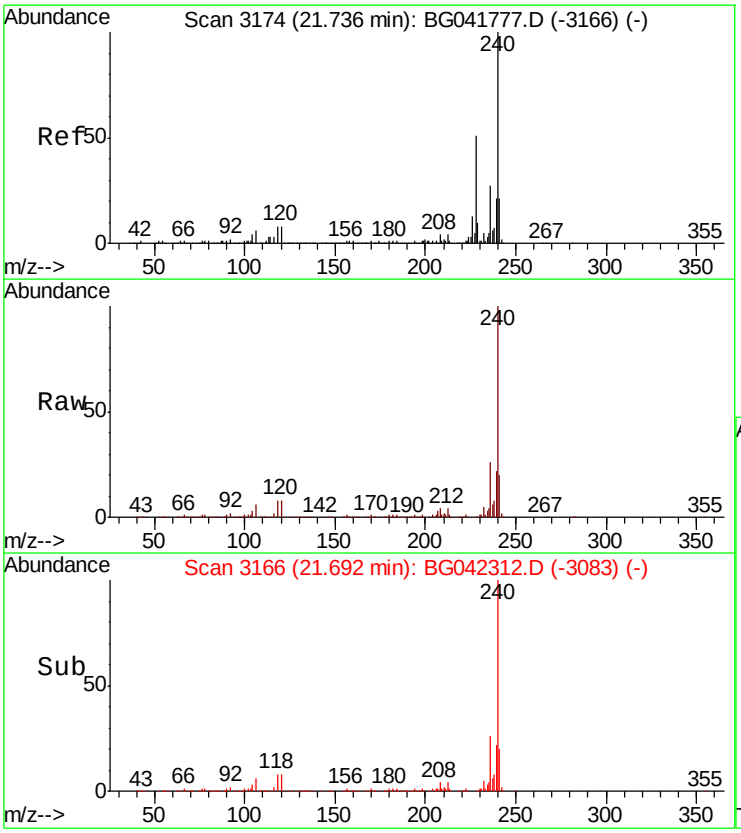

#67
4-Bromophenyl-phenylether
Concen: 5.056 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.49 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:248 Resp: 25267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.0 | 78.1 | 117.1# |
| 141 | 377.6 | 49.6 | 74.4# |

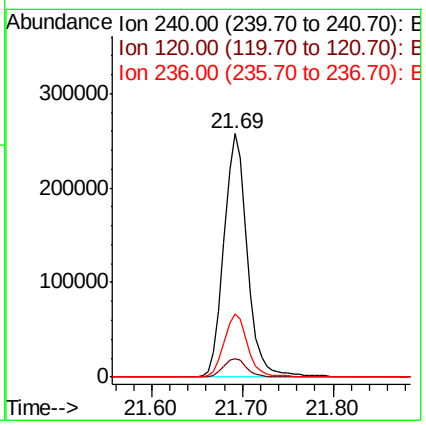


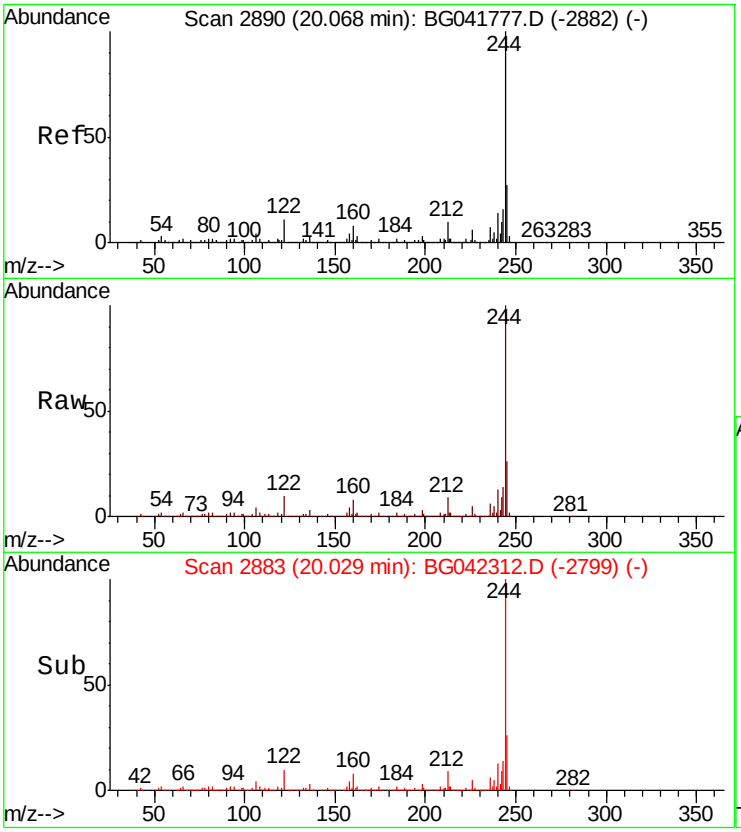




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:240 Resp: 462186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.8 | 8.0 | 12.0# |
| 236 | 25.9 | 22.6 | 33.8 |



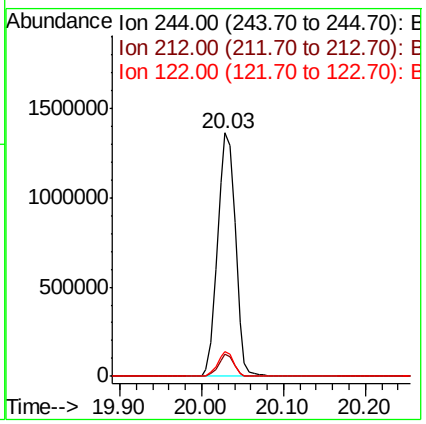


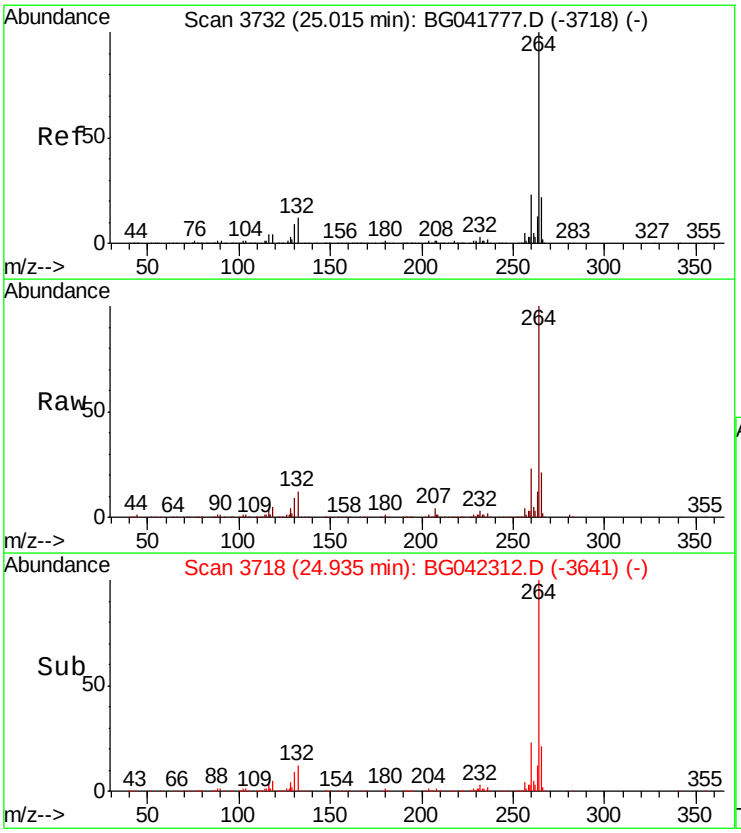

#79
Terphenyl-d14
Concen: 103.205 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.04 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

**Instrument :**
BNA_G
**ClientSampleId :**
TP-19

Tgt Ion:244 Resp: 2084551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.9 | 9.7 | 14.5# |
| 122 | 10.3 | 12.5 | 18.7# |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.08 min
Lab File: BG042312.D
Acq: 18 Aug 2019 7:29

Tgt Ion:264 Resp: 518333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.5 | 29.3 |
| 265 | 21.5 | 18.0 | 27.0 |