Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
Data File : BG042645.D
Acq On : 31 Aug 2019 23:33
Operator : HP/JU
Sample : K4581-30
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 01 00:12:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 35130 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 130422 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.65 | 164 | 96578 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 229756 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.68 | 240 | 255426 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 24.92 | 264 | 297796 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 225834 | 130.20 | ng | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 263577 | 112.50 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 183420 | 97.18 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 199590 | 145.40 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.27 | 172 | 564122 | 98.79 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 1243406 | 105.24 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 4356 | 6.018 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 9.17 | 70 | 24095 | 15.874 | ng | # 75 |
| 51) 2,6-Dinitrotoluene | 14.65 | 165 | 12532 | 7.759 | ng | # 36 |
| 57) 2,4-Dinitrotoluene | 14.65 | 165 | 12532 | 5.418 | ng | # 38 |
| 67) 4-Bromophenyl-phenylether | 16.15 | 248 | 13065 | 4.483 | ng | # 1 |
| 77) Benzidine | 20.02 | 184 | 15502 | 2.117 | ng | 94 |

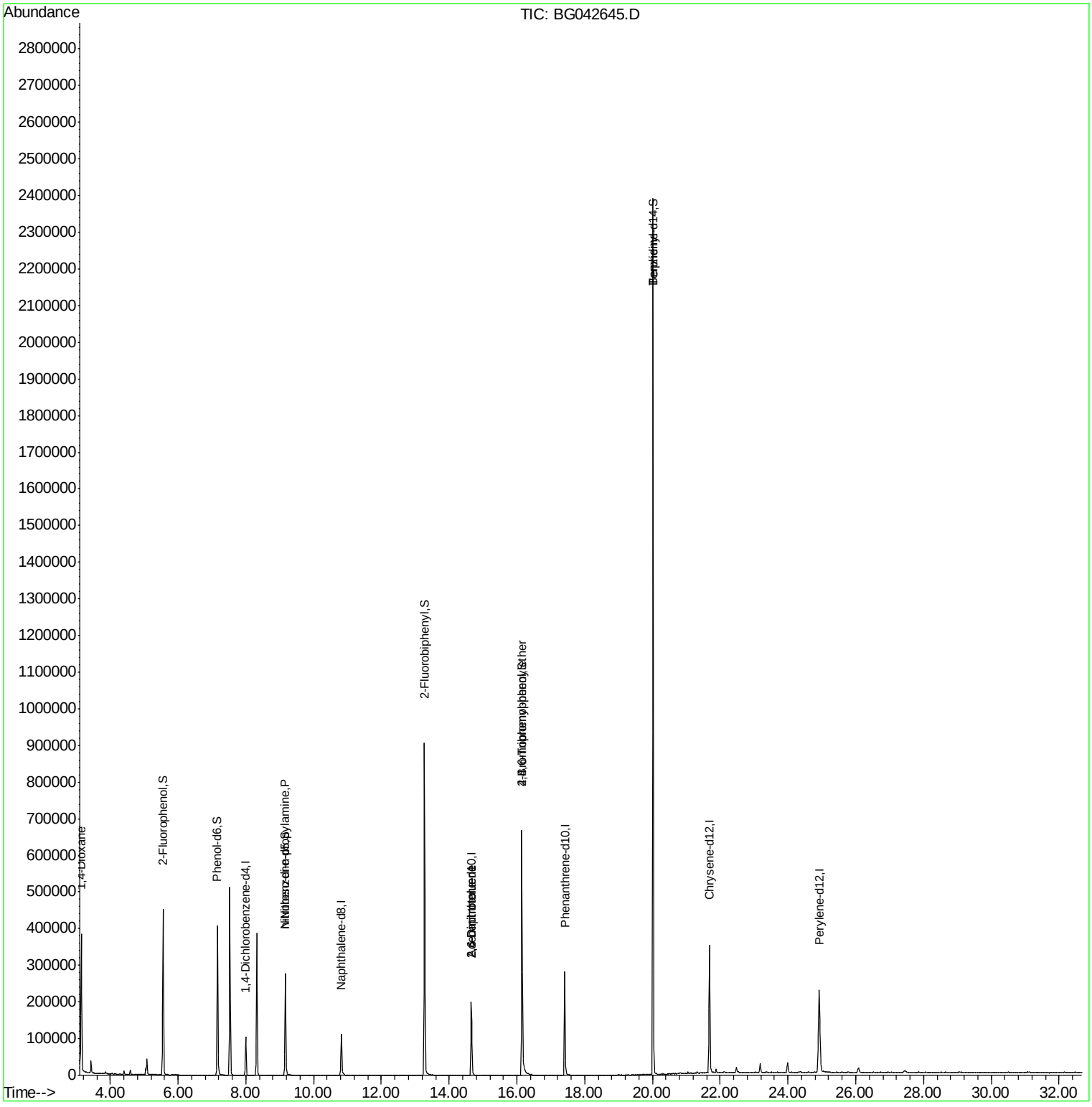
(#) = qualifier out of range (m) = manual integration (+) = signals summed

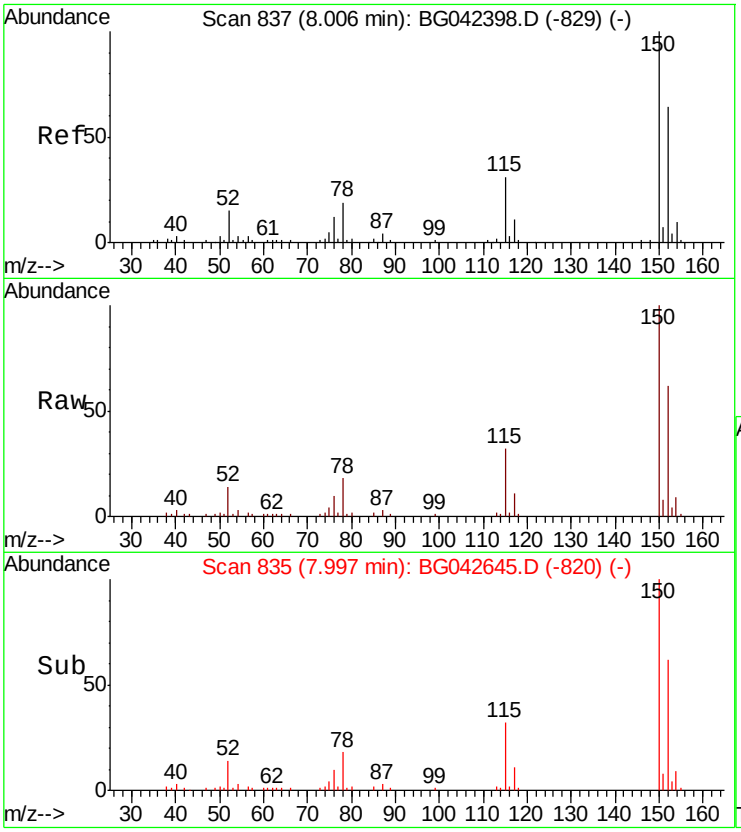
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
Data File : BG042645.D
Acq On : 31 Aug 2019 23:33
Operator : HP/JU
Sample : K4581-30
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 01 00:12:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration



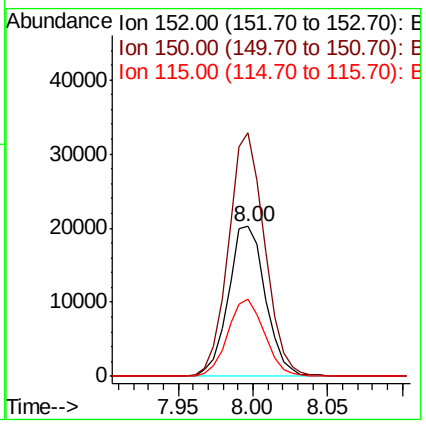


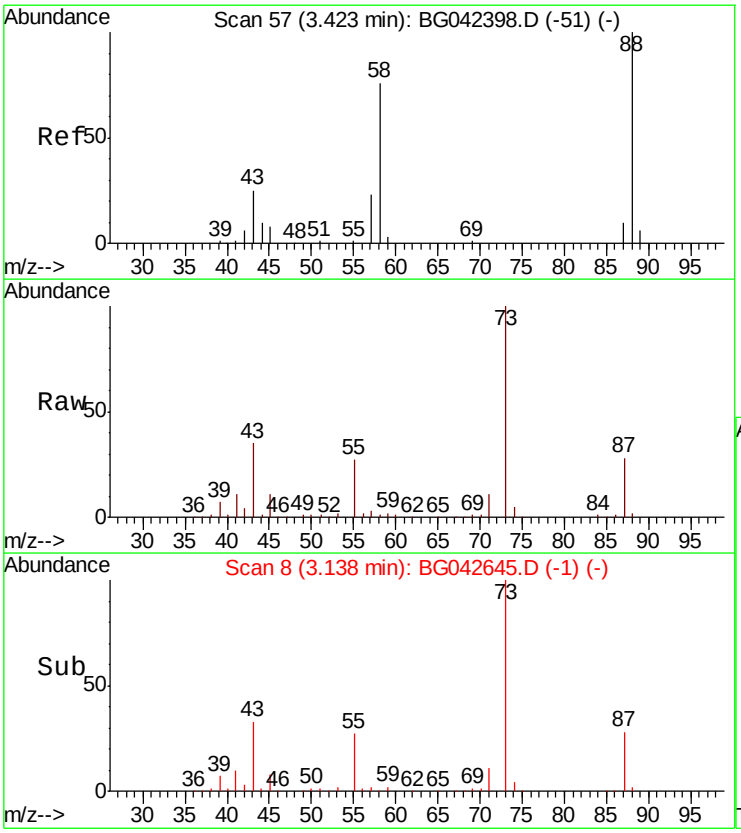

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:152 Resp: 35130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.4 | 125.4 | 188.0 |
| 115 | 51.6 | 38.5 | 57.7 |

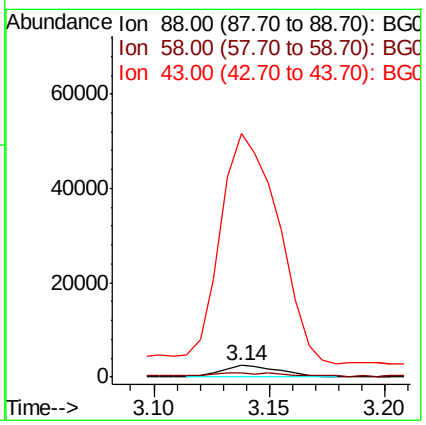


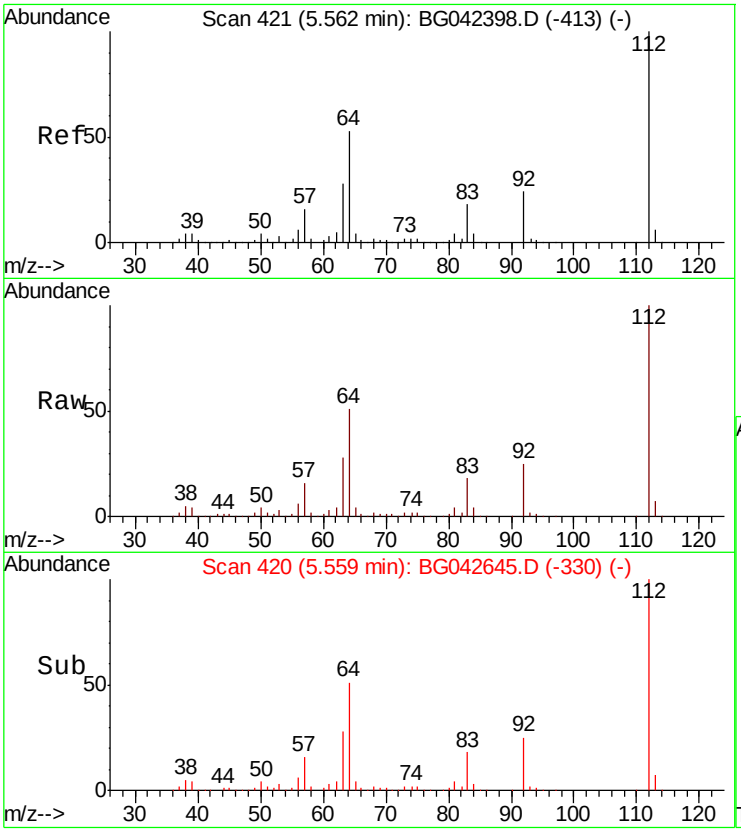




#2
1,4-Dioxane
Concen: 6.018 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion: 88 Resp: 4356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 55.7 | 58.3 | 87.5# |
| 43 | 1951.3 | 20.2 | 30.2# |



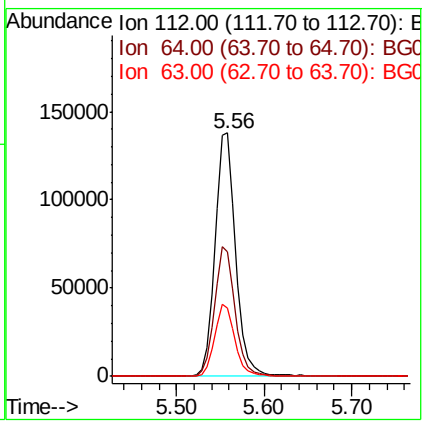


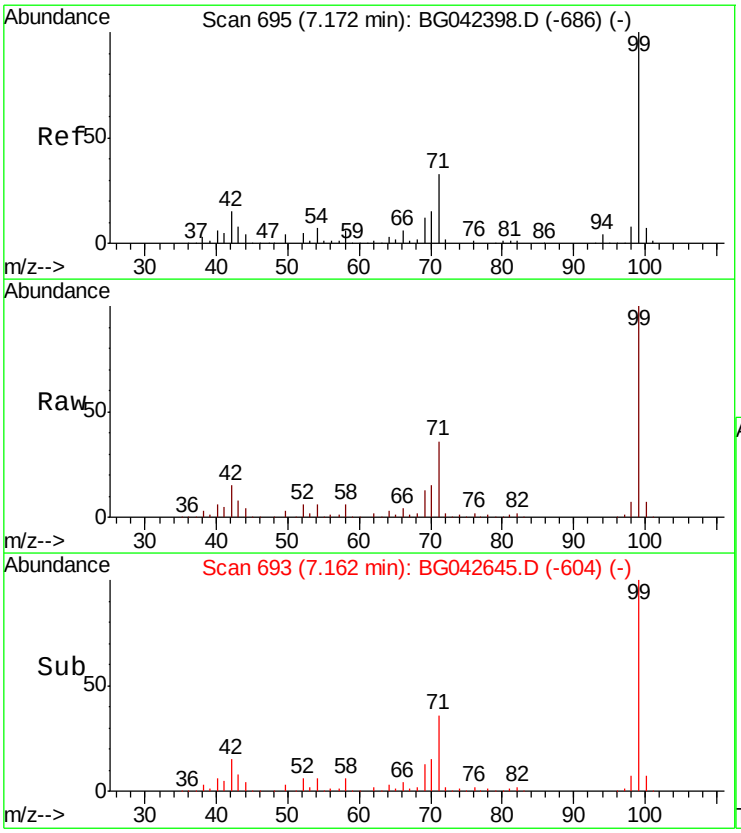

#5
2-Fluorophenol
Concen: 130.196 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:112 Resp: 225834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.0 | 42.8 | 64.2 |
| 63 | 28.0 | 22.7 | 34.1 |

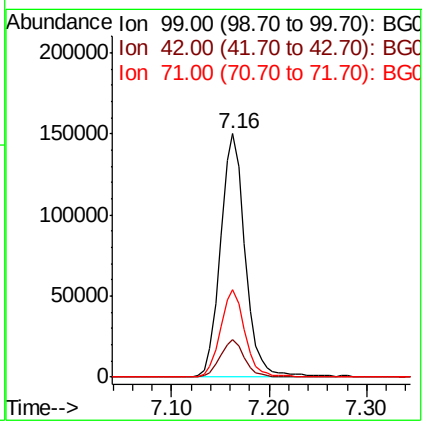


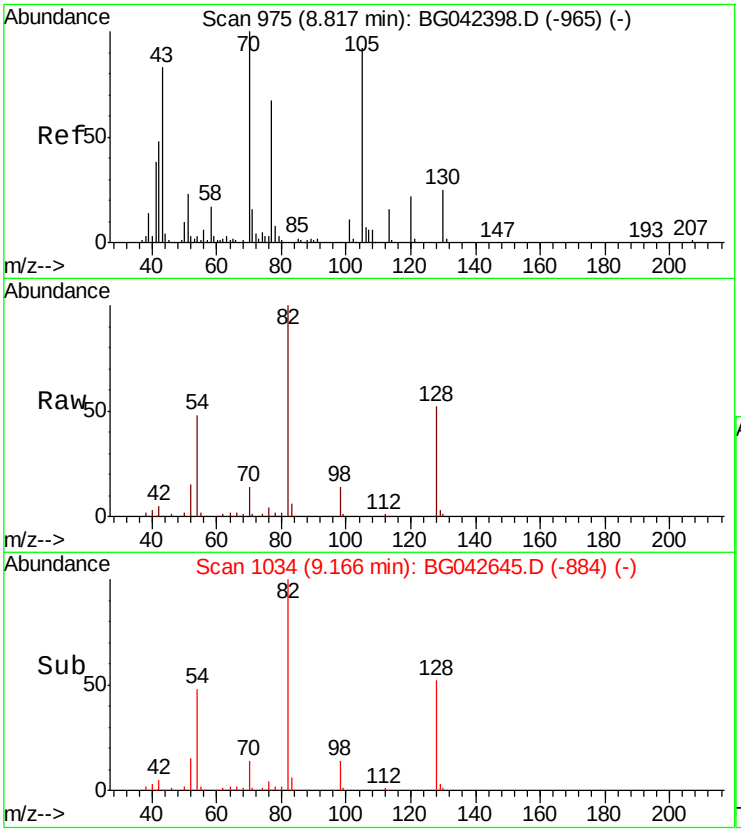




#7
Phenol-d6
Concen: 112.495 ng
RT: 7.16 min Scan# 693
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion: 99 Resp: 263577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.2 | 12.0 | 18.0 |
| 71 | 36.0 | 26.3 | 39.5 |



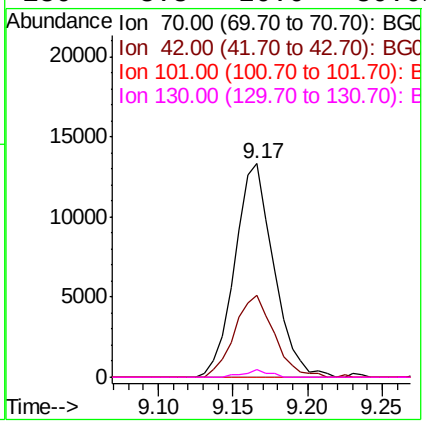


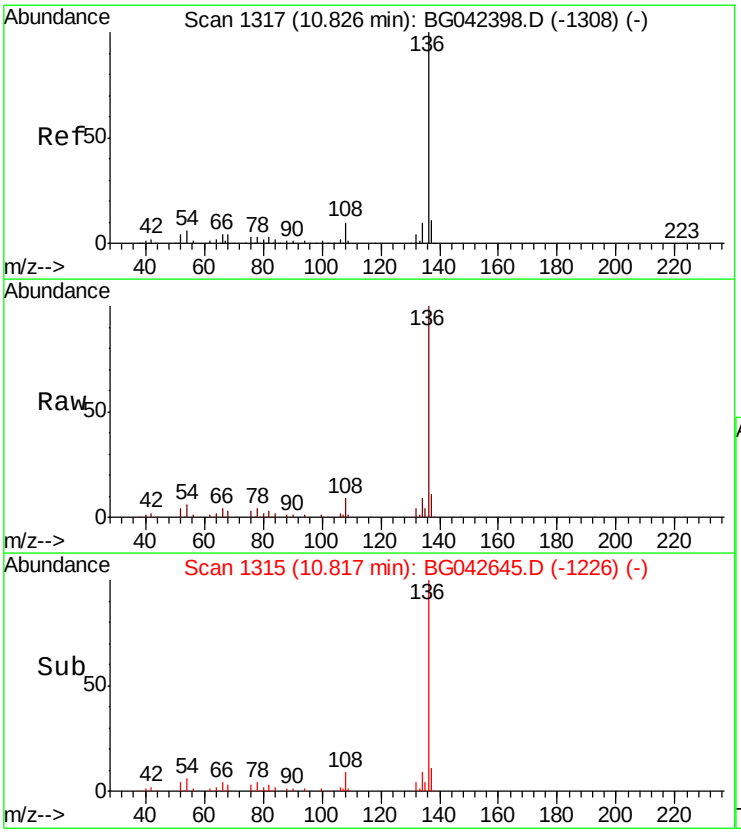

#19
n-Nitroso-di-n-propylamine
Concen: 15.874 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion: 70 Resp: 24095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.7 | 38.8 | 58.2# |
| 101 | 0.0 | 9.0 | 13.6# |
| 130 | 3.8 | 20.0 | 30.0# |

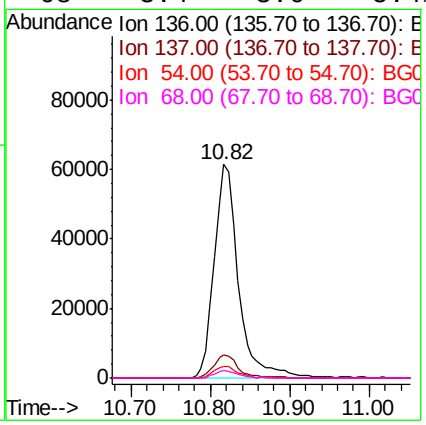


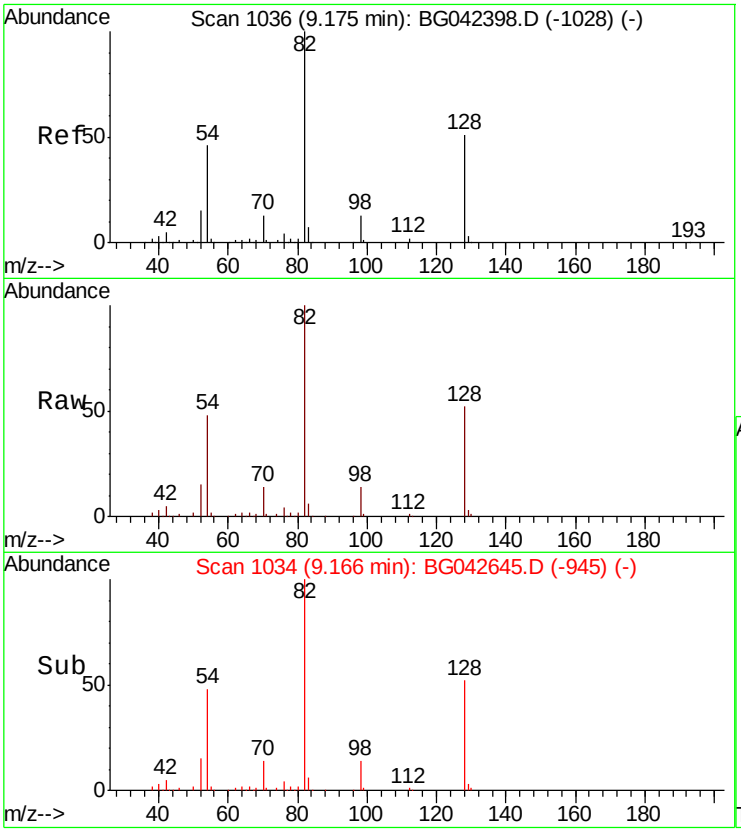




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:136 Resp: 130422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.7 | 13.1 |
| 54 | 5.6 | 4.9 | 7.3 |
| 68 | 3.4 | 3.6 | 5.4# |



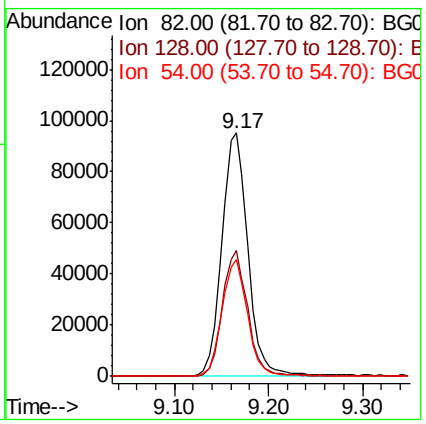


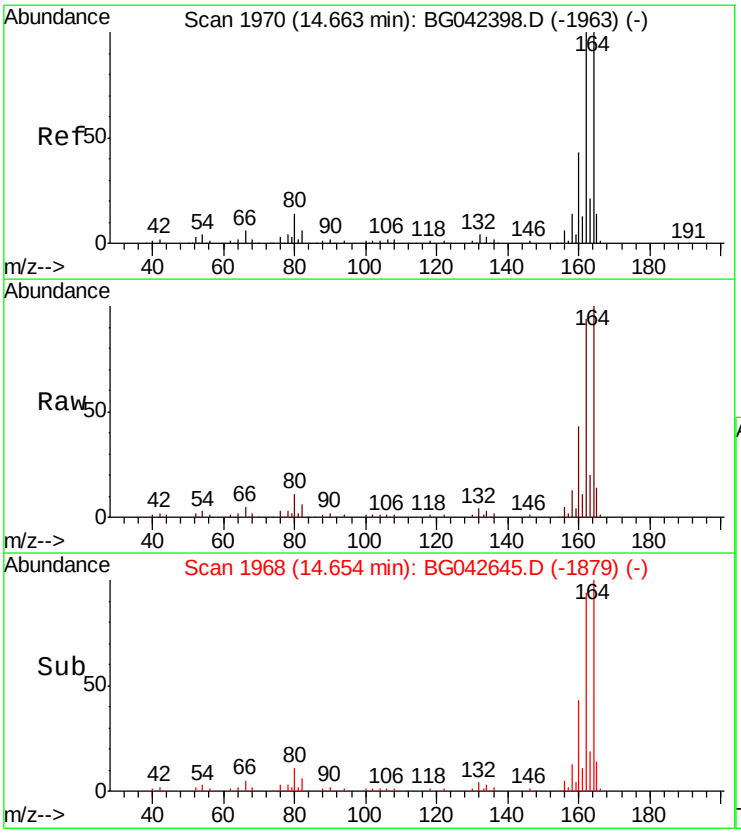

#23
Nitrobenzene-d5
Concen: 97.185 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion: 82 Resp: 183420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.9 | 40.7 | 61.1 |
| 54 | 48.2 | 36.3 | 54.5 |

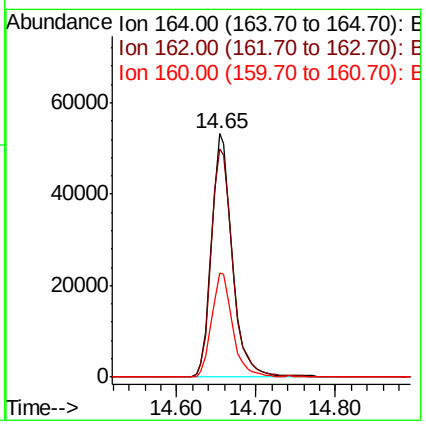


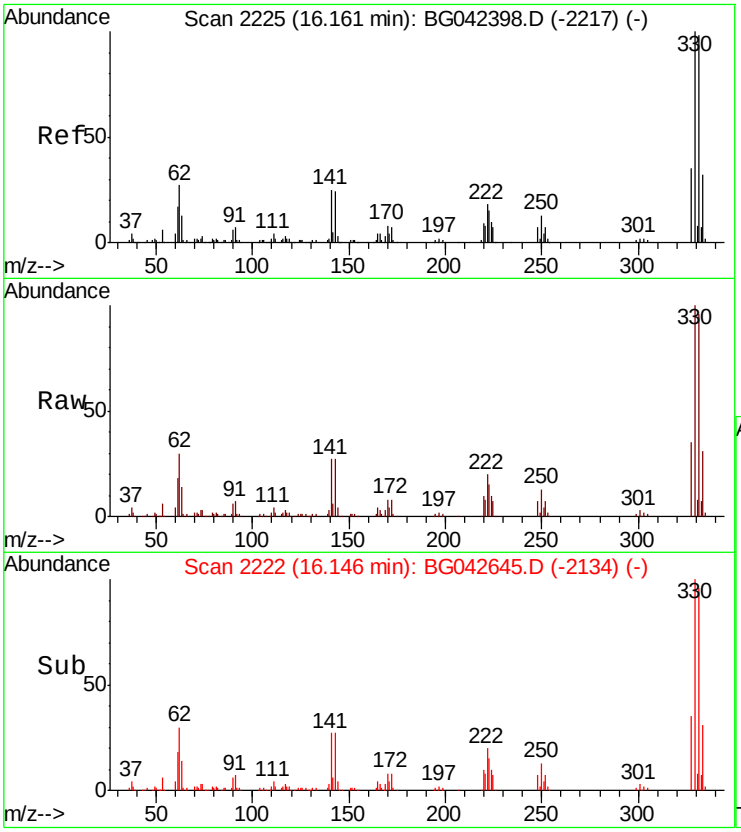




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:164 Resp: 96578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 93.9 | 79.9 | 119.9 |
| 160 | 42.7 | 34.3 | 51.5 |



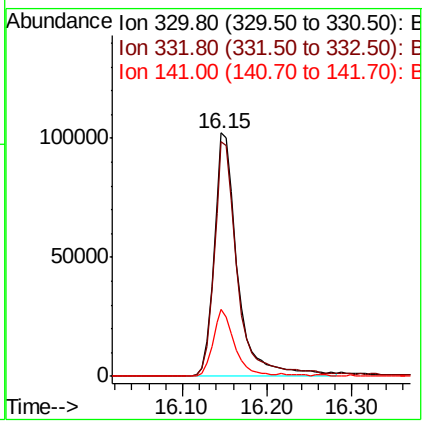


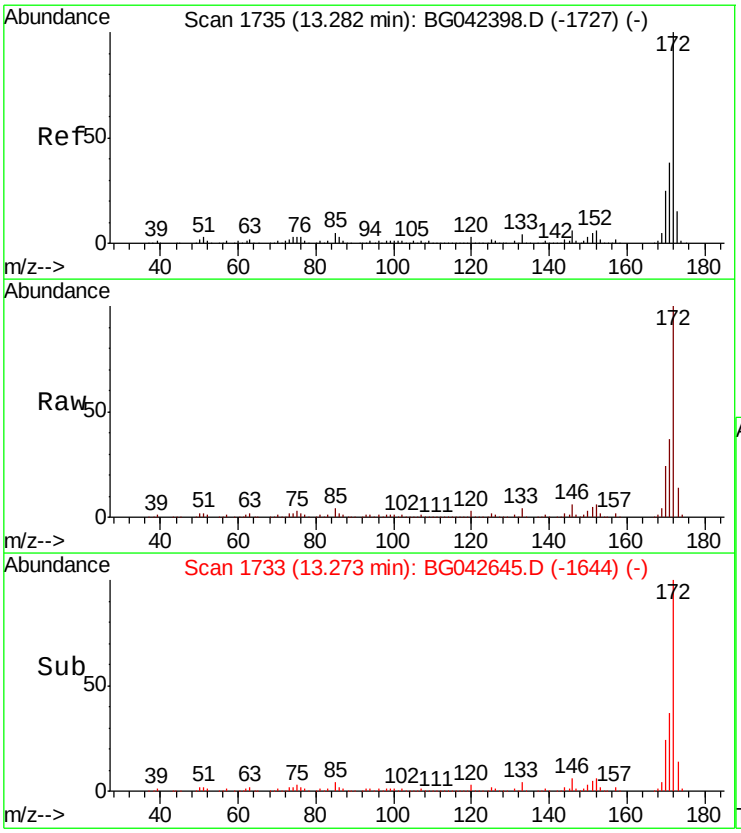

#42
2,4,6-Tribromophenol
Concen: 145.400 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:330 Resp: 199590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.4 | 116.0 |
| 141 | 25.8 | 21.4 | 32.0 |

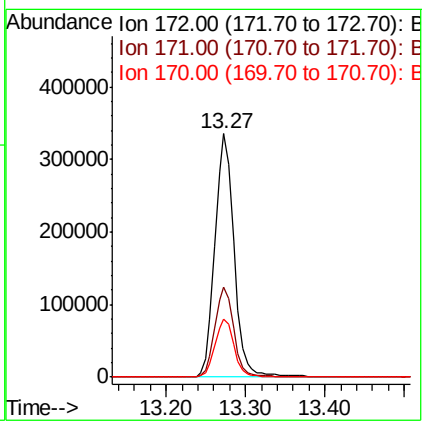


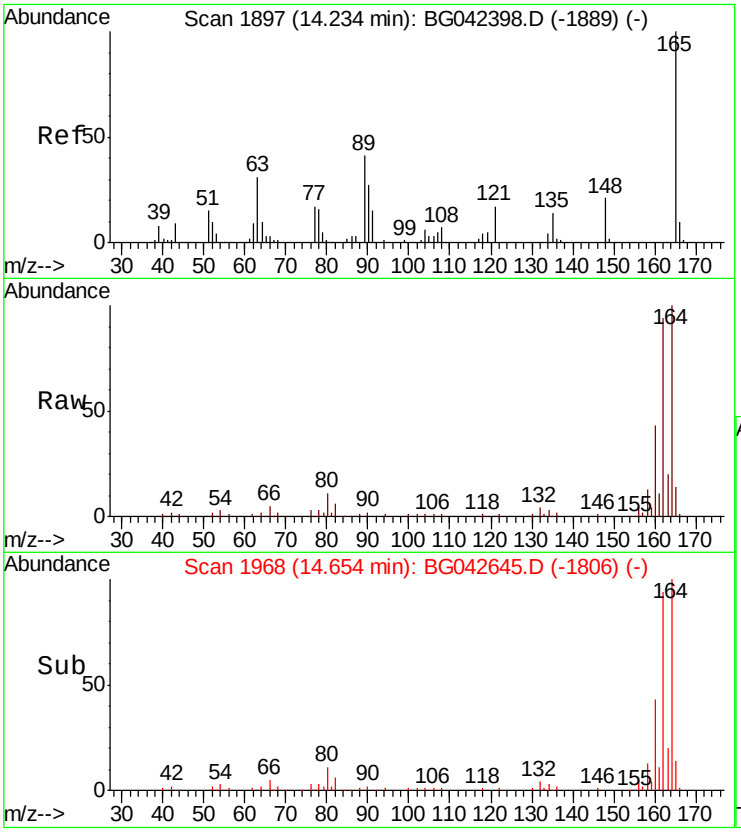




#45
2-Fluorobiphenyl
Concen: 98.790 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:172 Resp: 564122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.1 | 30.5 | 45.7 |
| 170 | 24.0 | 20.2 | 30.2 |



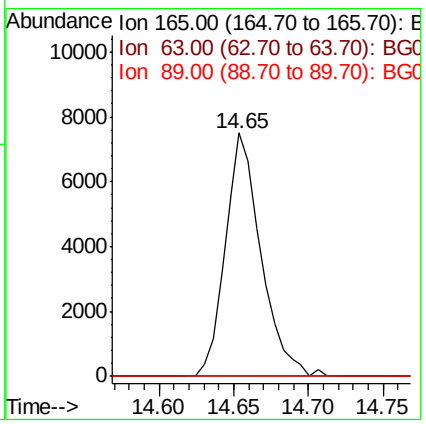


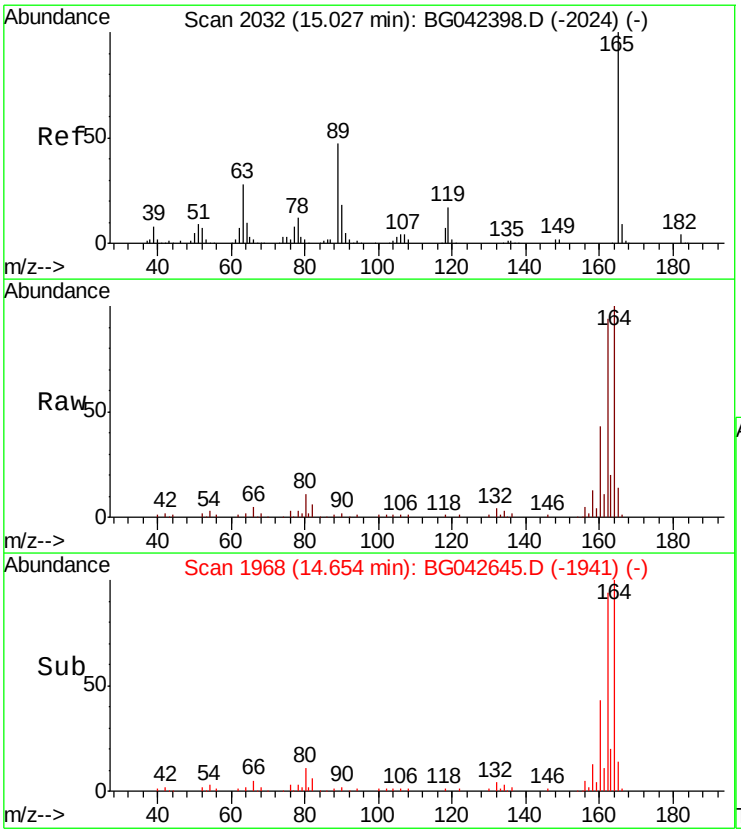

#51
2,6-Dinitrotoluene
Concen: 7.759 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.42 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:165 Resp: 12532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 30.6 | 45.8# |
| 89 | 0.0 | 32.6 | 49.0# |

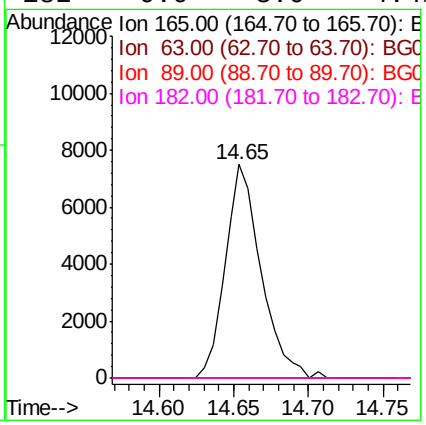


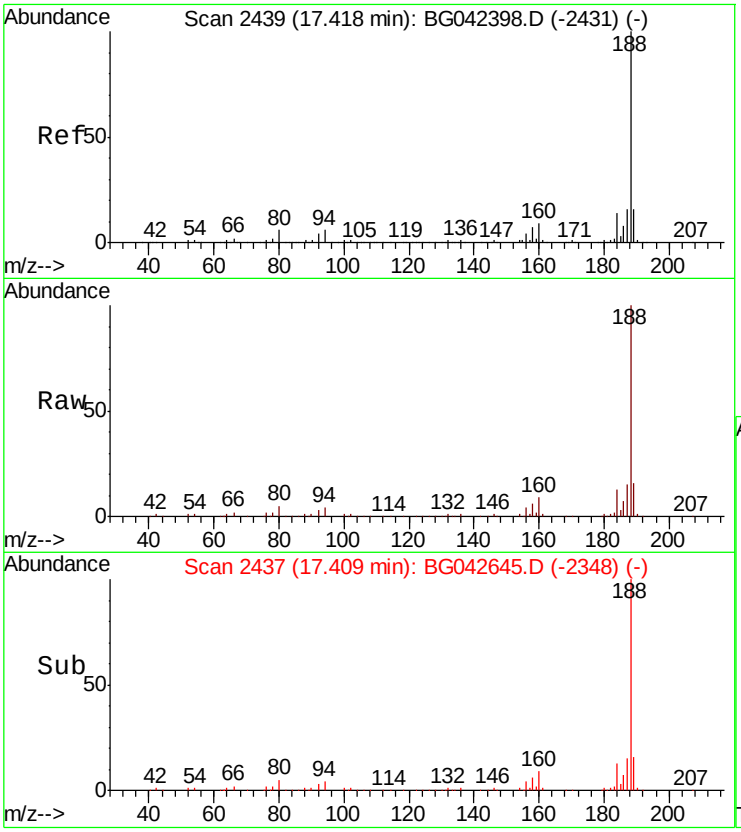




#57
2,4-Dinitrotoluene
Concen: 5.418 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.37 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:165 Resp: 12532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 22.5 | 33.7# |
| 89 | 0.0 | 37.8 | 56.6# |
| 182 | 0.0 | 3.0 | 4.4# |



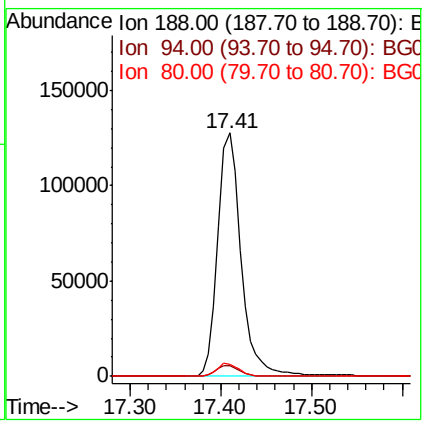


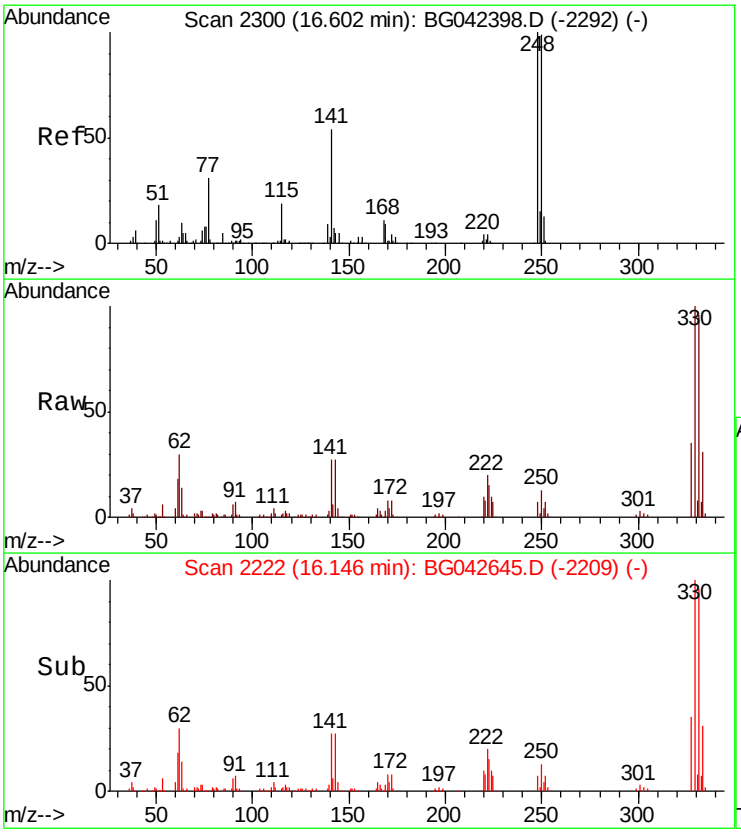

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:188 Resp: 229756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.4 | 4.5 | 6.7# |
| 80 | 5.1 | 4.9 | 7.3 |

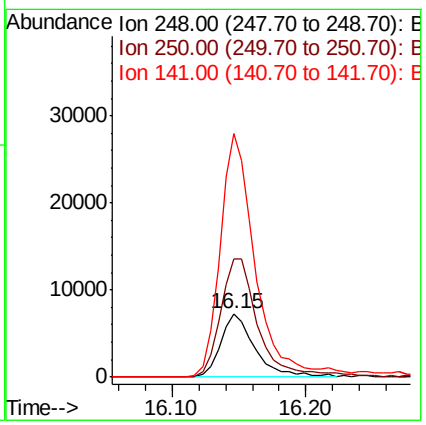


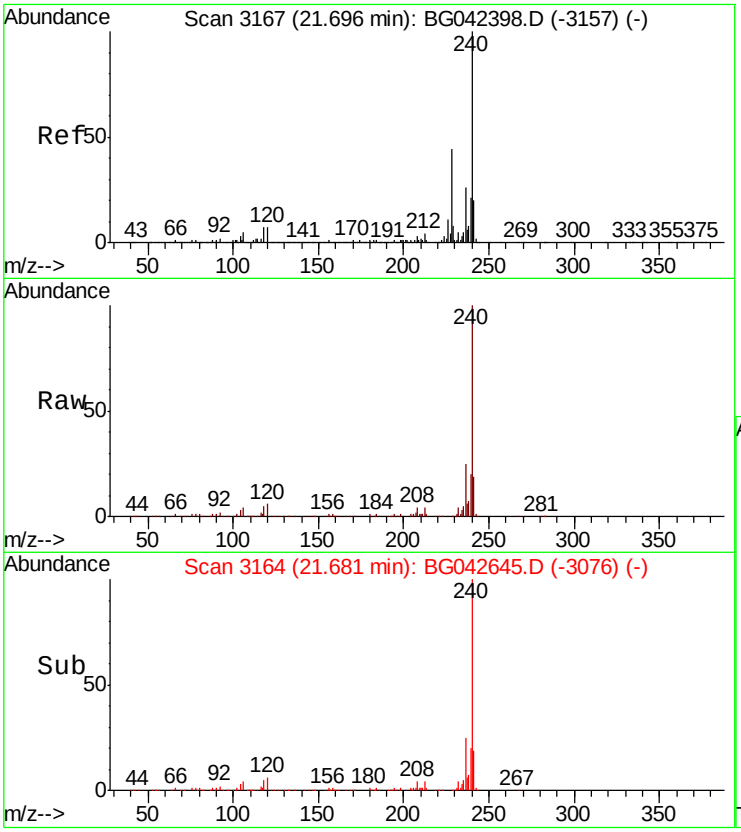




#67
4-Bromophenyl-phenylether
Concen: 4.483 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:248 Resp: 13065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 185.9 | 78.9 | 118.3# |
| 141 | 382.7 | 43.3 | 64.9# |



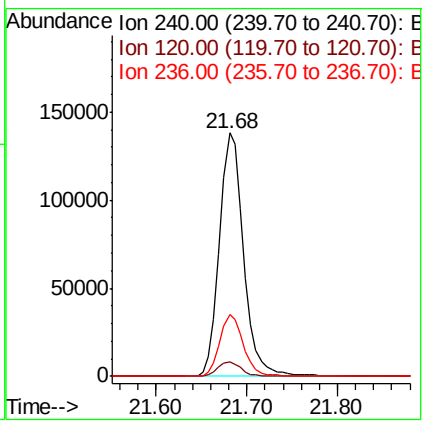


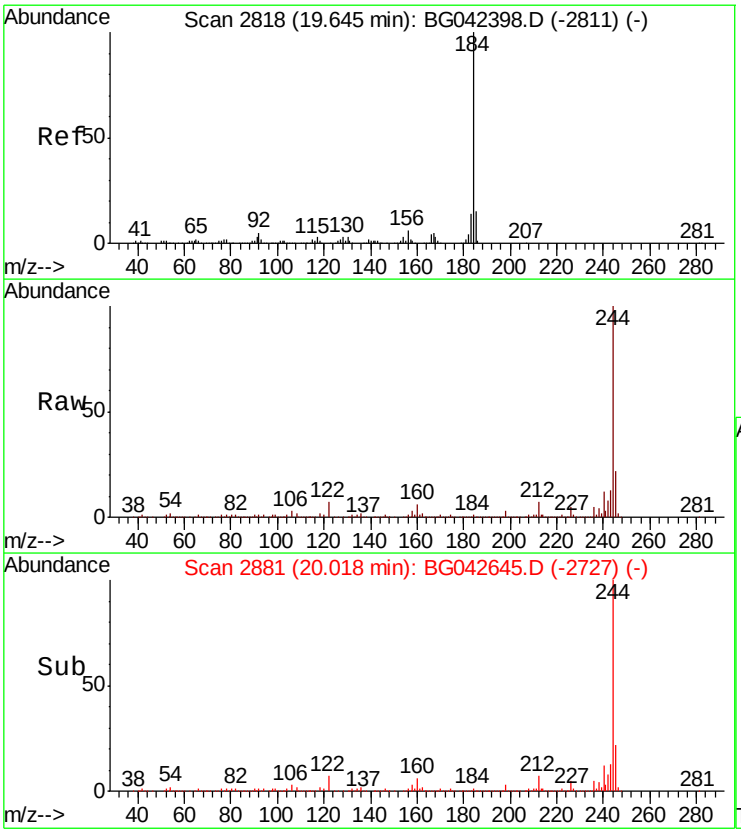

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.02 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:240 Resp: 255426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.0 | 5.7 | 8.5 |
| 236 | 25.2 | 21.0 | 31.4 |

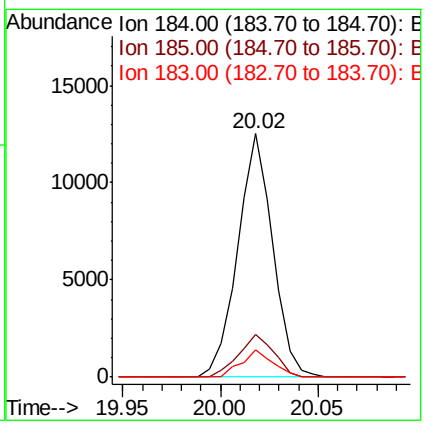


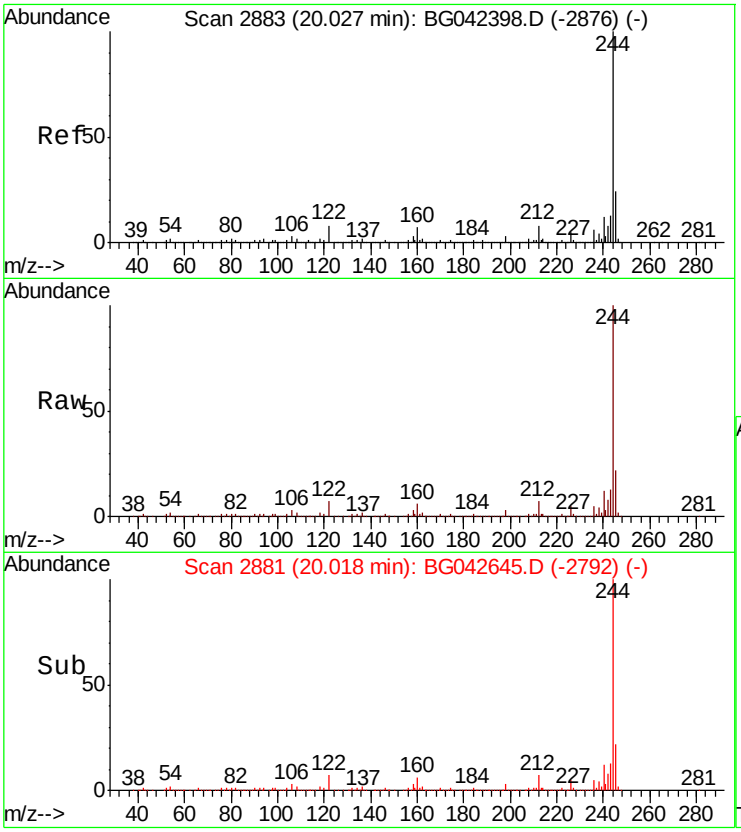




#77
Benzidine
Concen: 2.117 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.37 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:184 Resp: 15502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.5 | 12.2 | 18.4 |
| 183 | 11.1 | 10.8 | 16.2 |



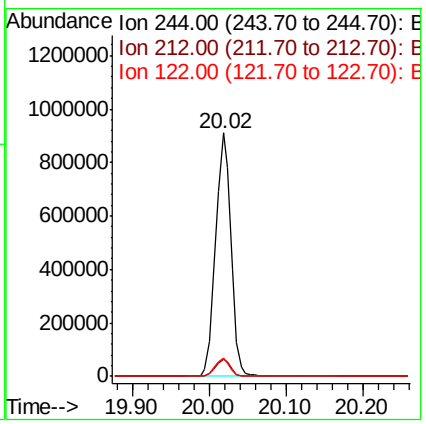


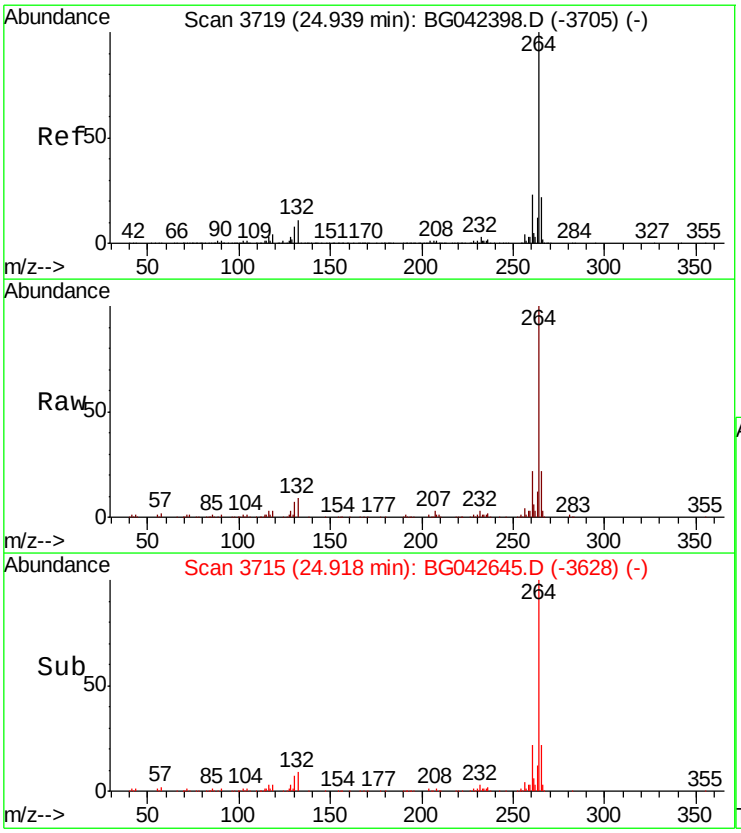

#79
Terphenyl-d14
Concen: 105.242 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

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

Tgt Ion:244 Resp: 1243406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 7.3 | 6.7 | 10.1 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG042645.D
Acq: 31 Aug 2019 23:33

Tgt Ion:264 Resp: 297796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.3 | 18.5 | 27.7 |
| 265 | 22.1 | 17.6 | 26.4 |