Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG010820\

Quantitation Report (Not Reviewed)

Data File : BG043974.D
Acq On : 8 Jan 2020 19:22
Operator : JU
Sample : PB125951BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB125951BL

Quant Time: Jan 09 06:14:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 127789 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.75 | 136 | 507768 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.59 | 164 | 330959 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.33 | 188 | 713925 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.58 | 240 | 586873 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 24.70 | 264 | 641944 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 641468 | 92.17 | ng | 0.00 |
| 7) Phenol-d6 | 7.12 | 99 | 560777 | 57.64 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.11 | 82 | 807610 | 85.09 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.08 | 330 | 510893 | 147.51 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.21 | 172 | 1678985 | 91.91 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.95 | 244 | 2426928 | 106.18 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 29065 | 9.578 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 9.11 | 70 | 108002 | 14.907 | ng | # 76 |
| 32) Benzoic acid | 10.18 | 122 | 56 | 6.271 | ng | # 1 |
| 51) 2,6-Dinitrotoluene | 14.59 | 165 | 42495 | 8.001 | ng | # 26 |
| 54) 2,4-Dinitrophenol | 15.02 | 184 | 57 | 5.503 | ng | # 20 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 42495 | 5.880 | ng | # 27 |
| 65) 4,6-Dinitro-2-methylphenol | 16.07 | 198 | 1849 | 4.846 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 16.08 | 248 | 38198 | 4.757 | ng | # 1 |
| 77) Benzidine | 19.95 | 184 | 48817 | 3.309 | ng | # 92 |

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

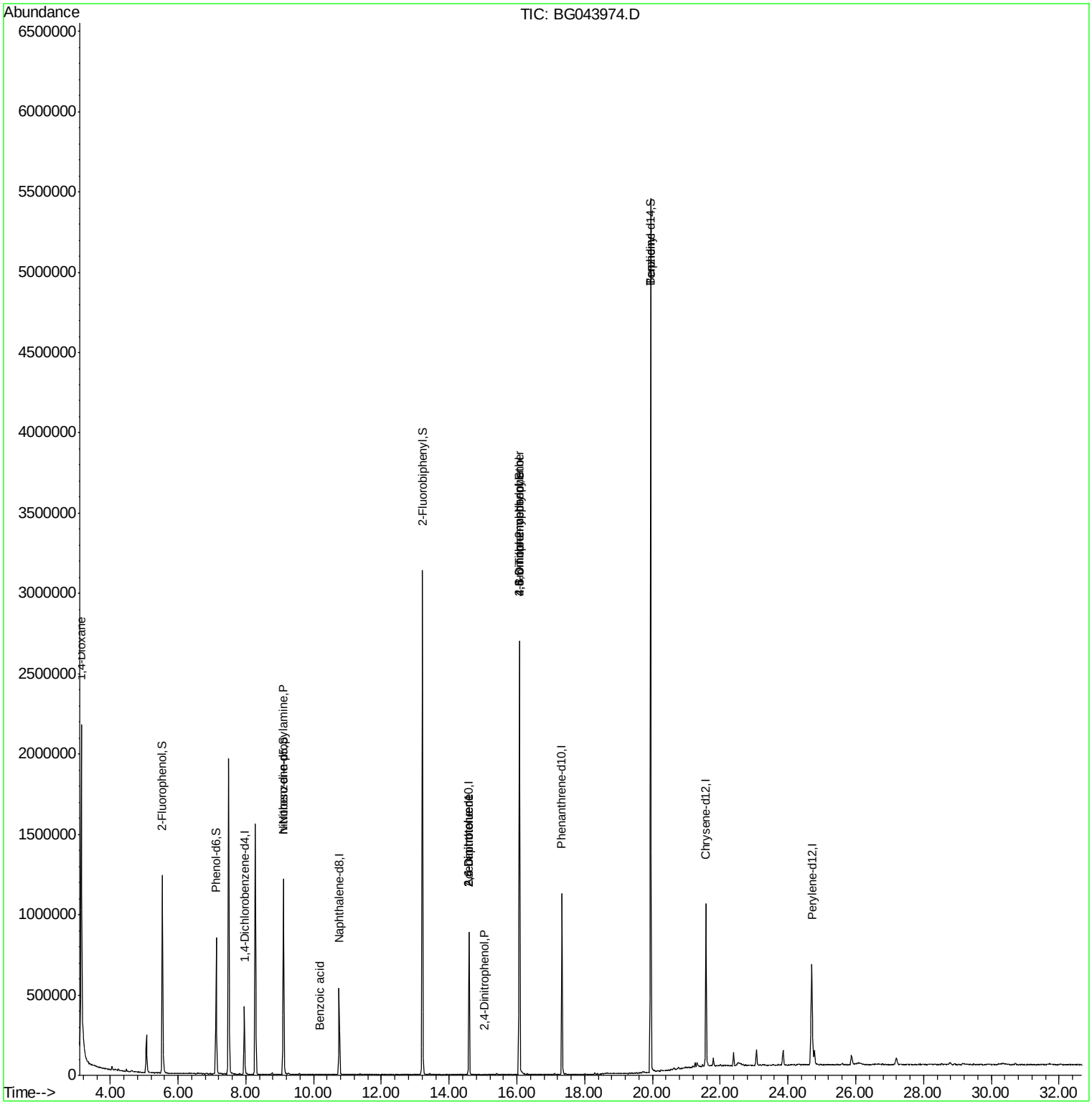
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG010820\

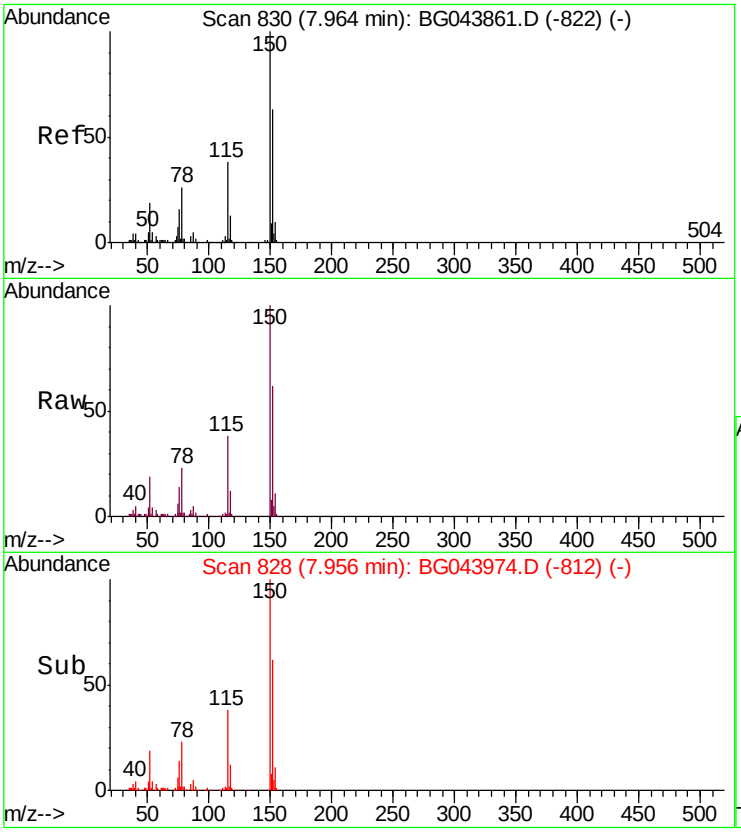
Quantitation Report (Not Reviewed)

Data File : BG043974.D
Acq On : 8 Jan 2020 19:22
Operator : JU
Sample : PB125951BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB125951BL

Quant Time: Jan 09 06:14:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration



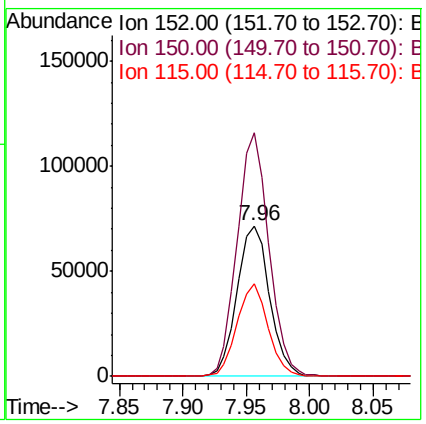


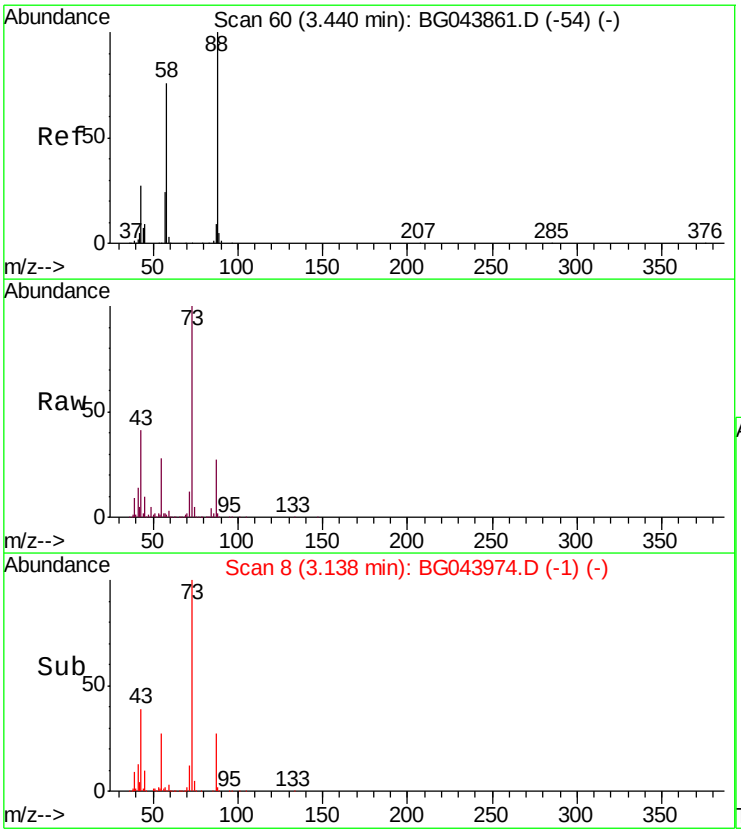

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:152 Resp: 127789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.8 | 127.0 | 190.4 |
| 115 | 61.5 | 47.8 | 71.8 |

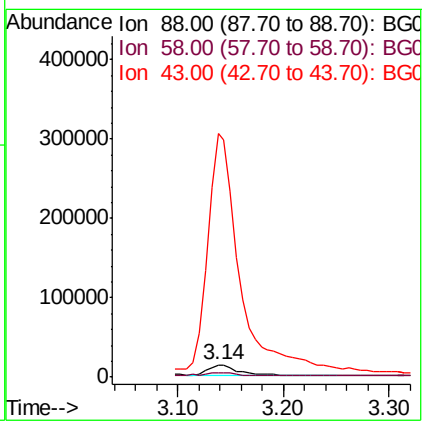


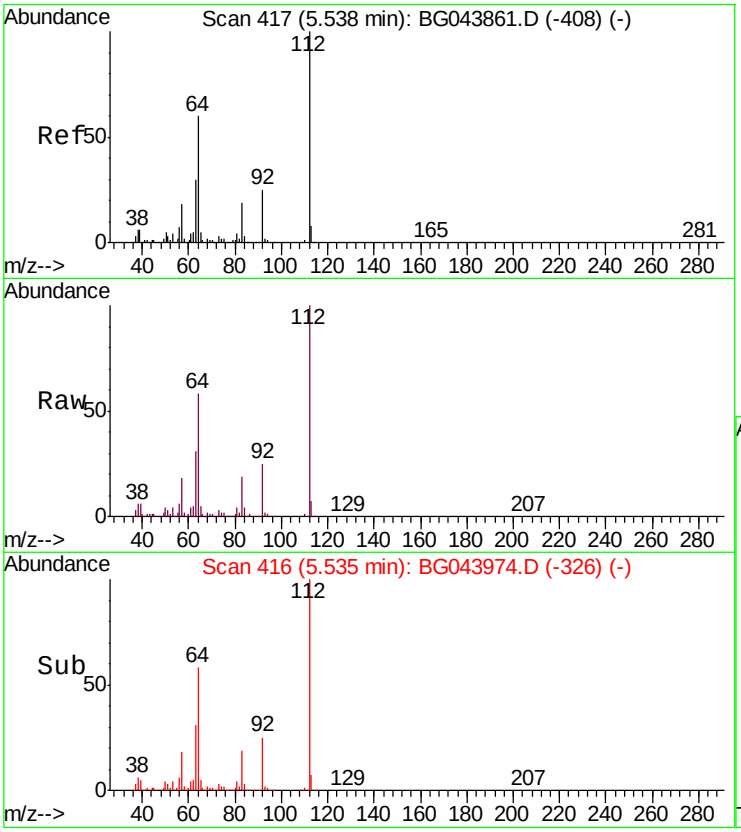




#2
1,4-Dioxane
Concen: 9.578 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.30 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion: 88 Resp: 29065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 26.3 | 59.8 | 89.8# |
| 43 | 2268.7 | 22.9 | 34.3# |



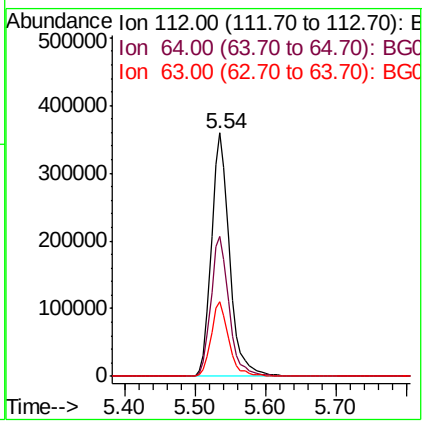


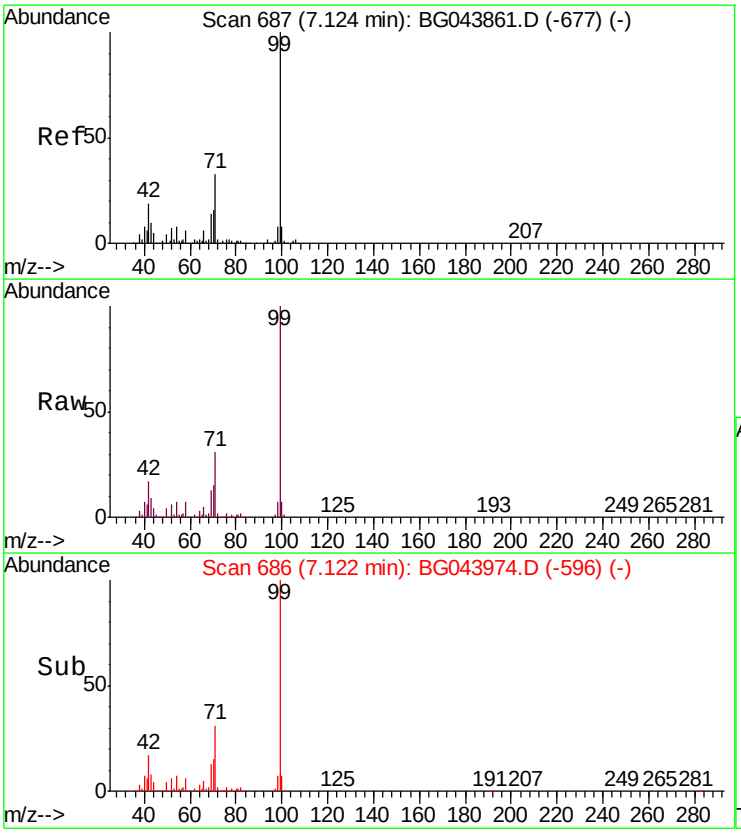

#5
2-Fluorophenol
Concen: 92.169 ng
RT: 5.54 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:112 Resp: 641468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 47.8 | 71.6 |
| 63 | 30.7 | 24.3 | 36.5 |

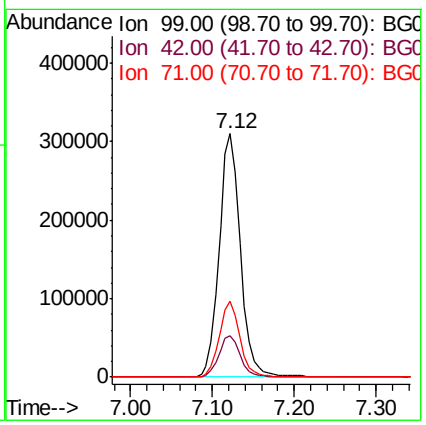


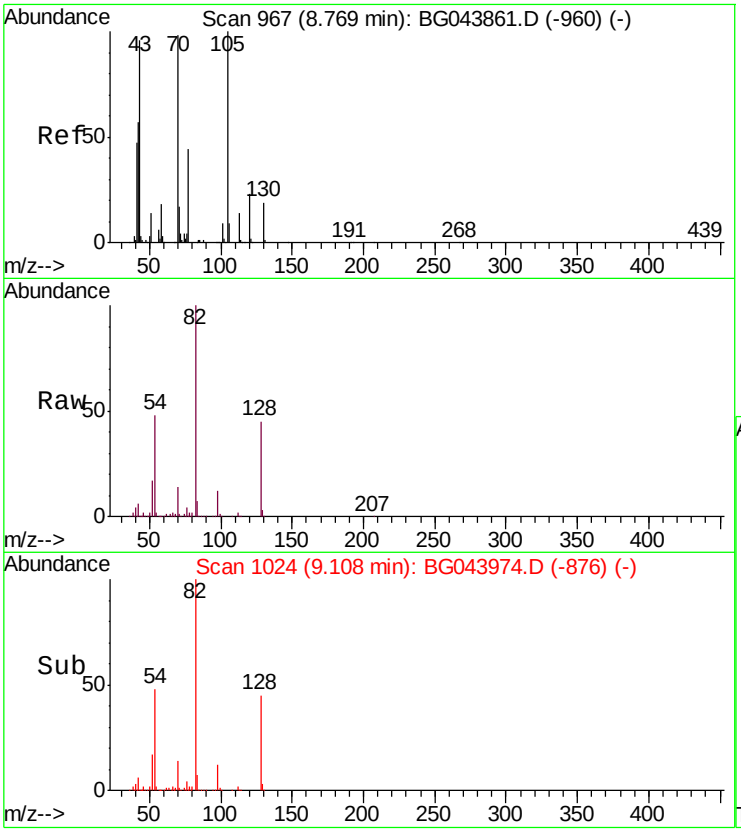




#7
Phenol-d6
Concen: 57.643 ng
RT: 7.12 min Scan# 686
Delta R.T. -0.00 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion: 99 Resp: 560777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.9 | 22.3 |
| 71 | 31.1 | 26.4 | 39.6 |



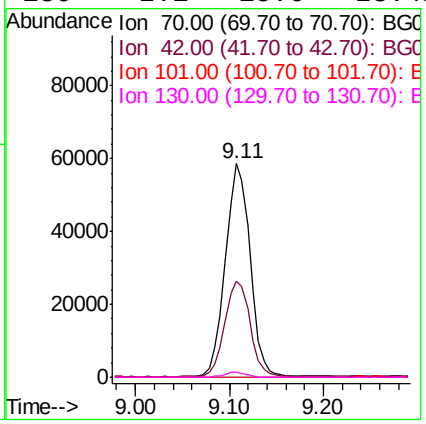


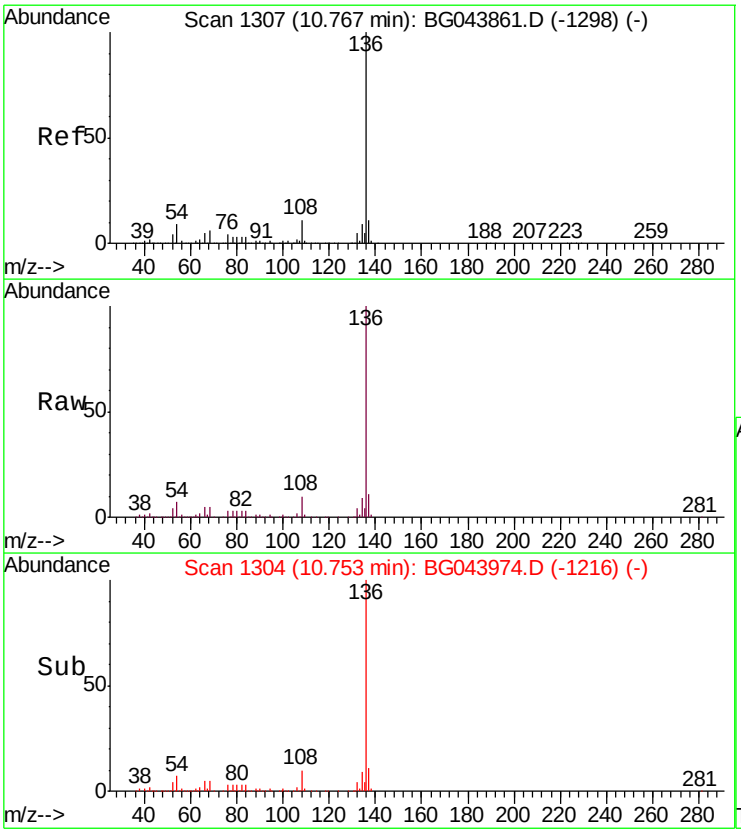

#19
n-Nitroso-di-n-propylamine
Concen: 14.907 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.34 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion: 70 Resp: 108002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.8 | 47.0 | 70.4# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.1 | 15.6 | 23.4# |

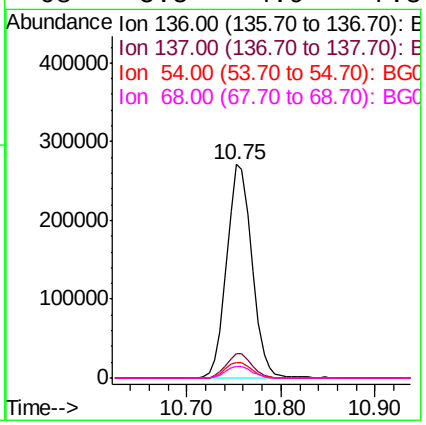


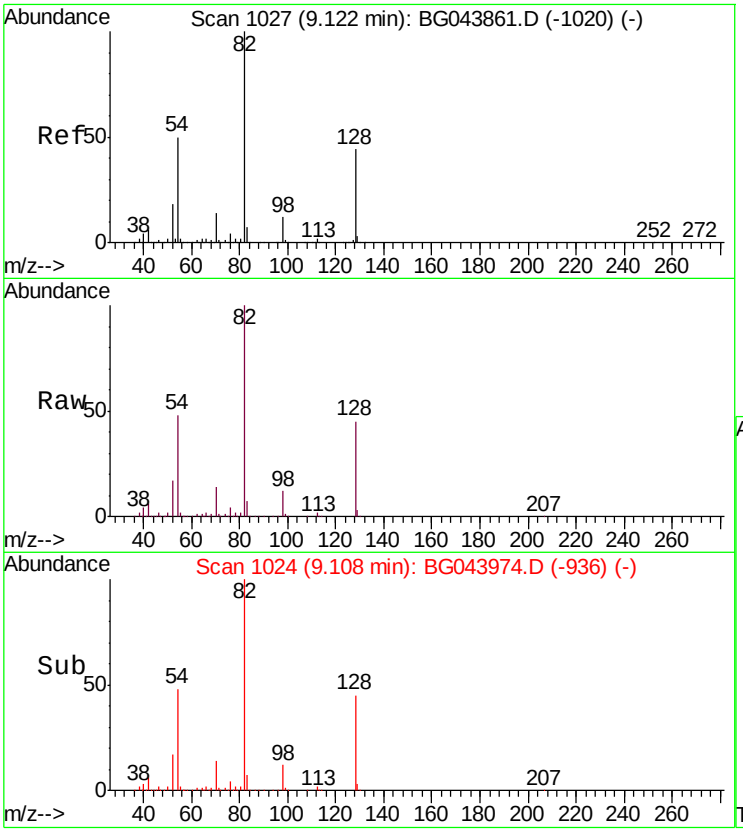




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:136 Resp: 507768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.8 | 13.2 |
| 54 | 7.4 | 7.0 | 10.4 |
| 68 | 5.5 | 4.9 | 7.3 |



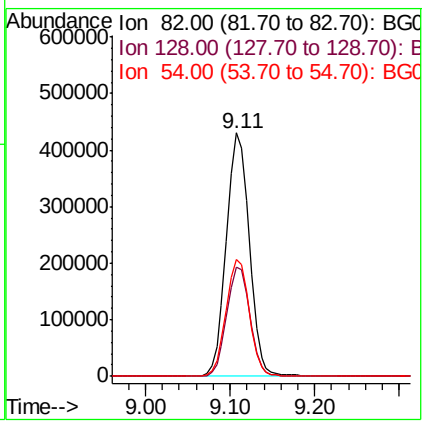


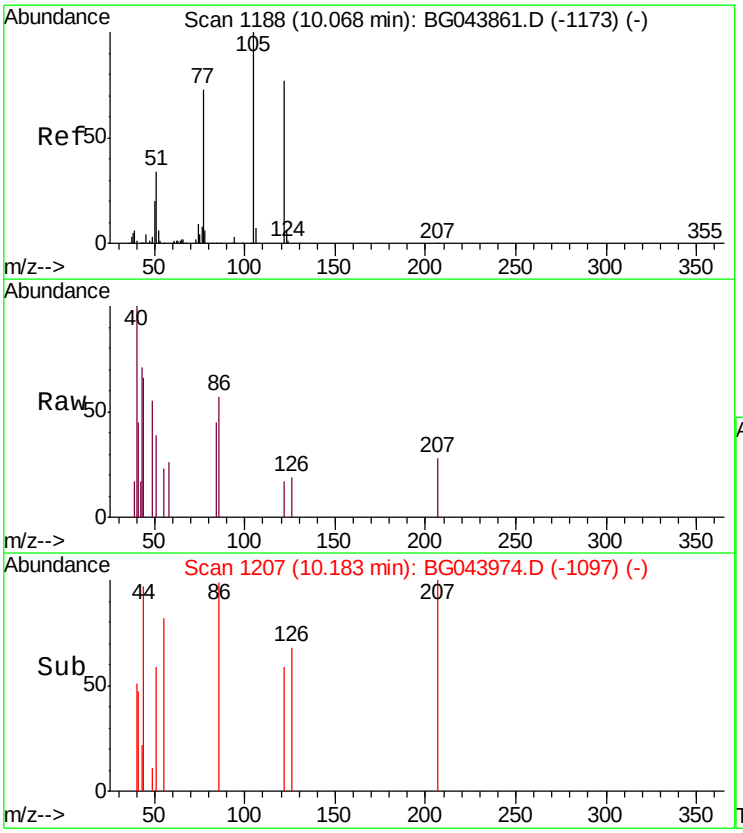

#23
Nitrobenzene-d5
Concen: 85.086 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion: 82 Resp: 807610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 35.1 | 52.7 |
| 54 | 48.1 | 40.1 | 60.1 |

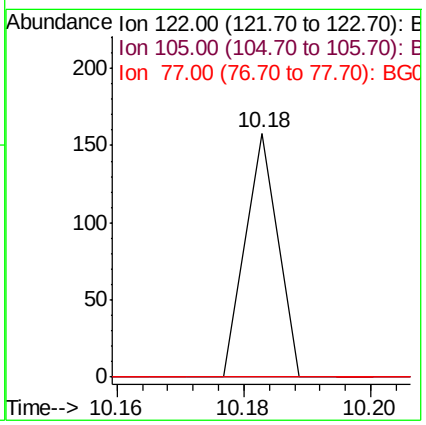


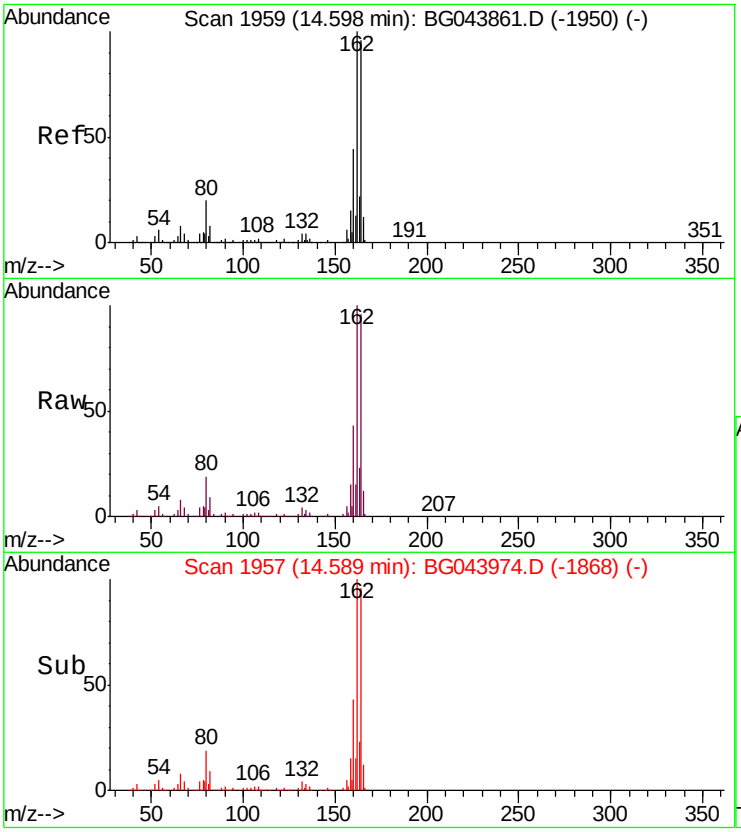




#32
Benzoic acid
Concen: 6.271 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.12 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:122 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 106.4 | 146.4# |
| 77 | 0.0 | 74.6 | 114.6# |



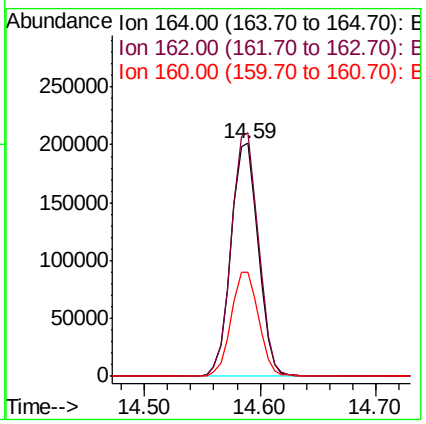


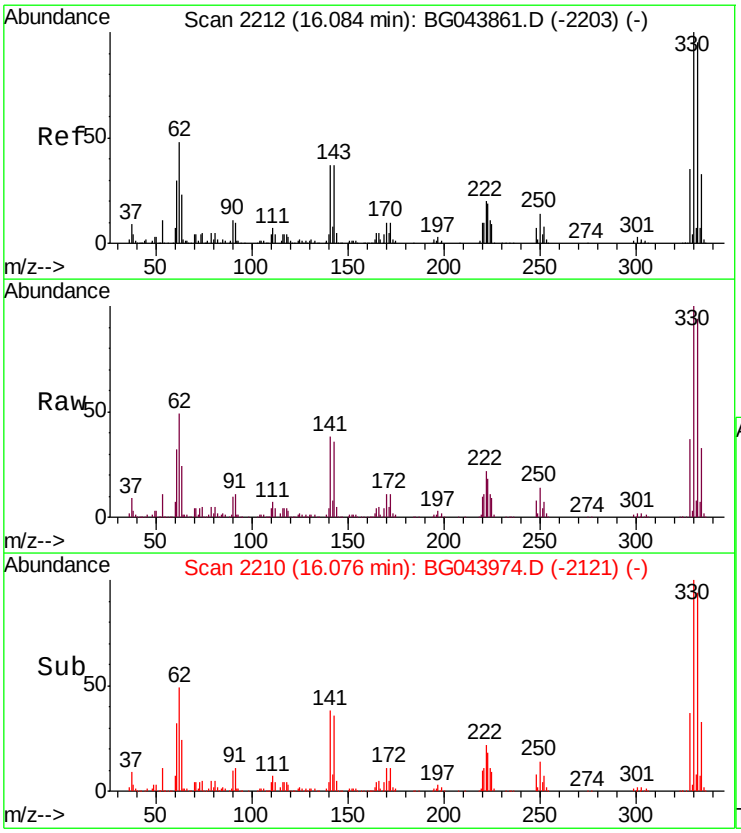

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:164 Resp: 330959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 83.0 | 124.4 |
| 160 | 44.9 | 36.1 | 54.1 |

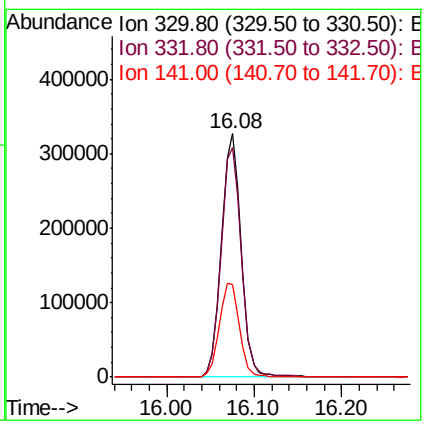


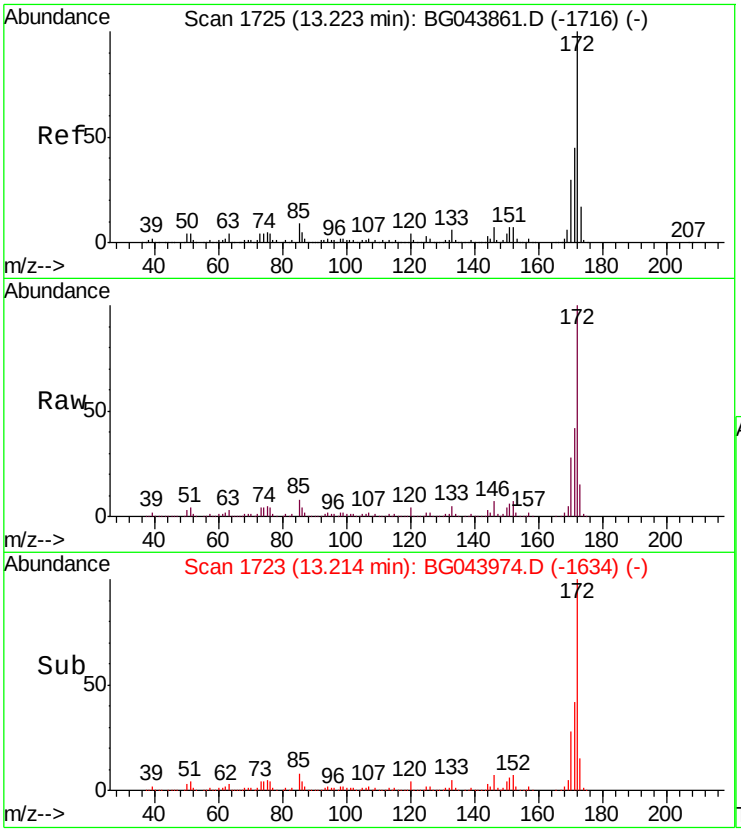




#42
2,4,6-Tribromophenol
Concen: 147.511 ng
RT: 16.08 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:330 Resp: 510893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.2 | 115.8 |
| 141 | 39.6 | 33.1 | 49.7 |



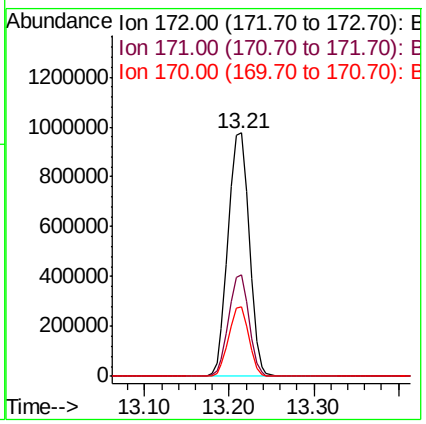


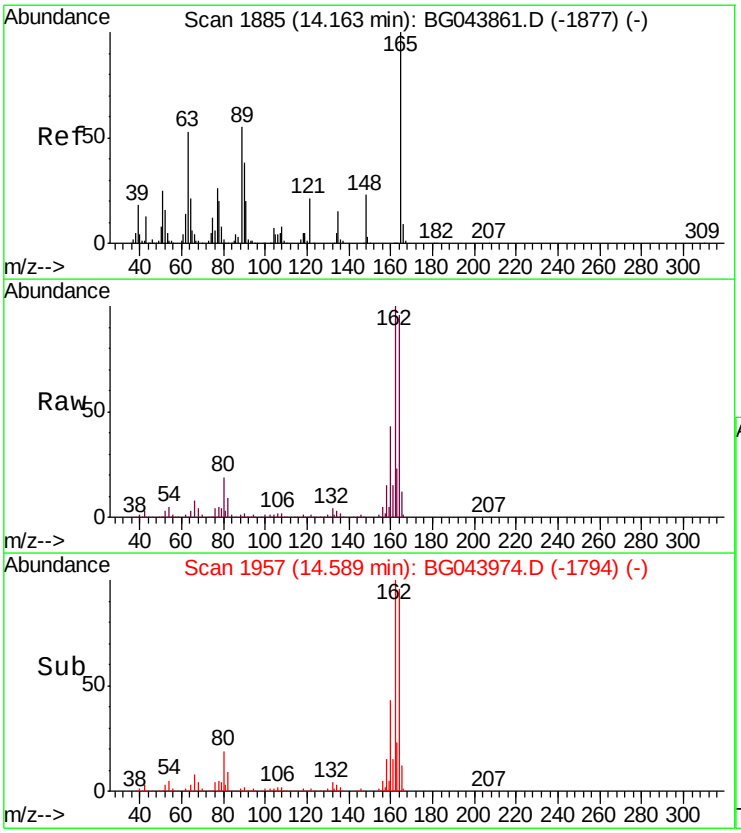

#45
2-Fluorobiphenyl
Concen: 91.913 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:172 Resp: 1678985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 41.6 | 35.8 | 53.8 |
| 170 | 28.5 | 24.2 | 36.4 |

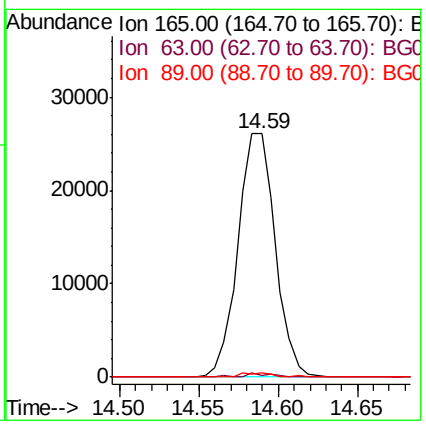


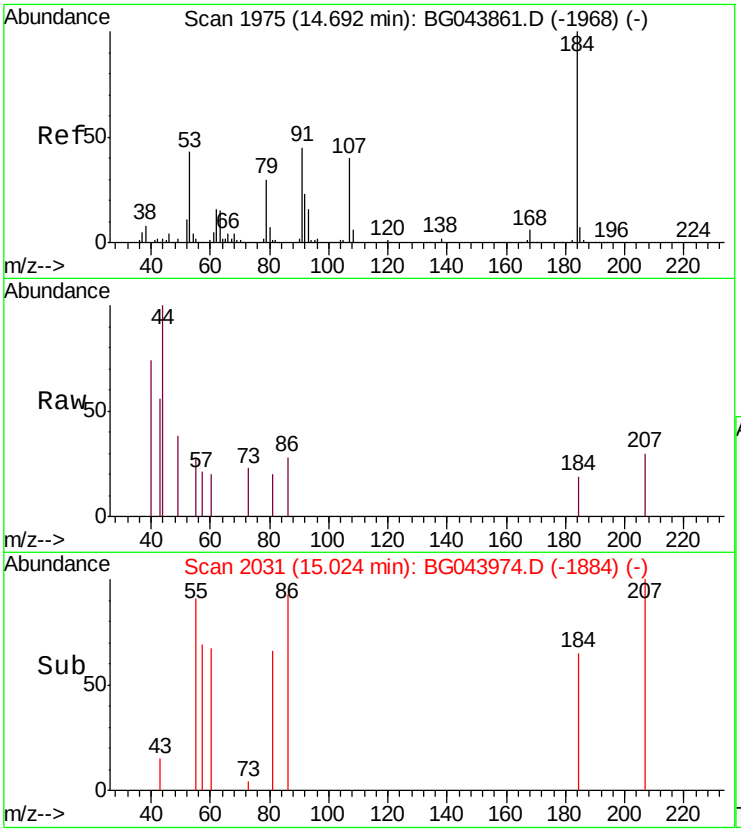




#51
2,6-Dinitrotoluene
Concen: 8.001 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.43 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:165 Resp: 42495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 43.1 | 64.7# |
| 89 | 1.8 | 43.8 | 65.6# |



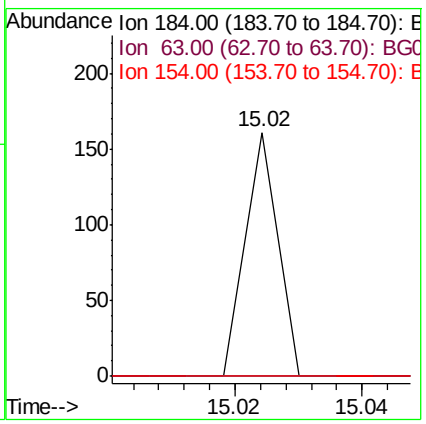


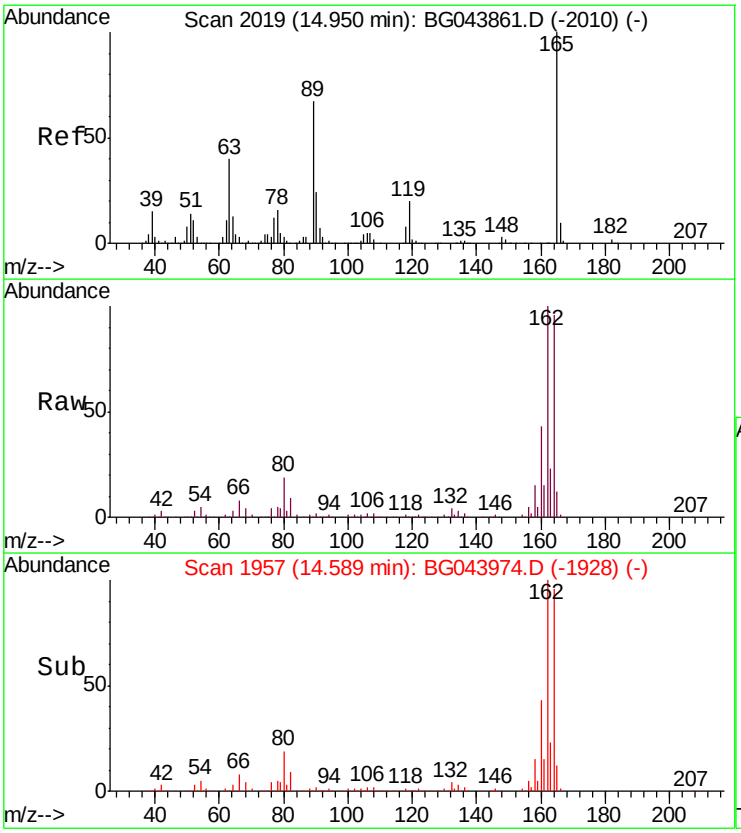

#54
2,4-Dinitrophenol
Concen: 5.503 ng
RT: 15.02 min Scan# 2031
Delta R.T. 0.33 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:184 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 46.6 | 70.0# |
| 154 | 0.0 | 50.2 | 75.4# |

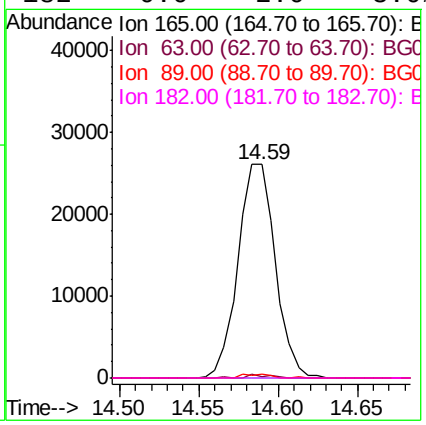


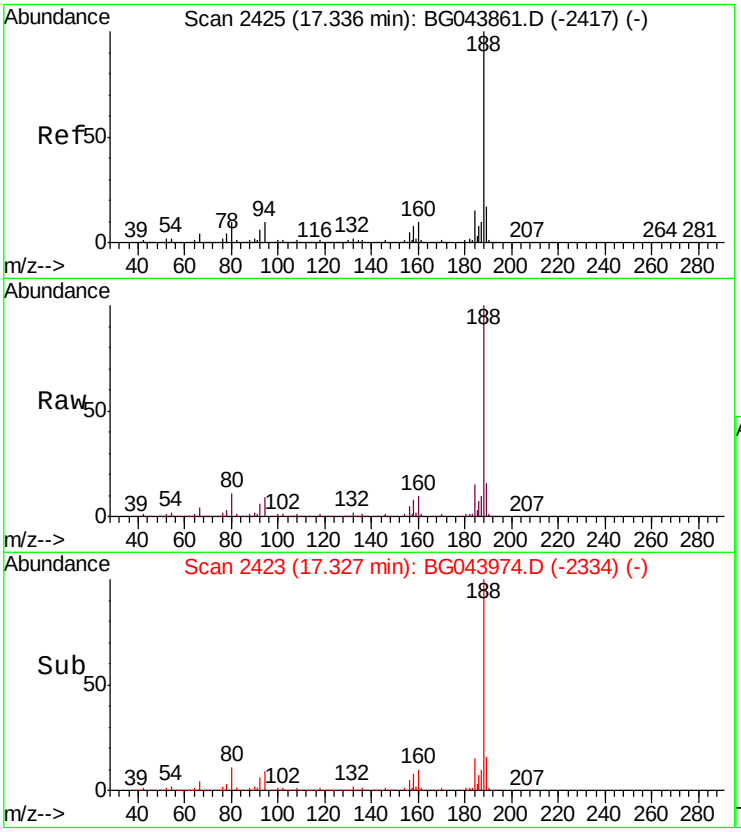




#57
2,4-Dinitrotoluene
Concen: 5.880 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.36 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:165 Resp: 42495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 31.9 | 47.9# |
| 89 | 1.8 | 53.8 | 80.6# |
| 182 | 0.0 | 2.0 | 3.0# |



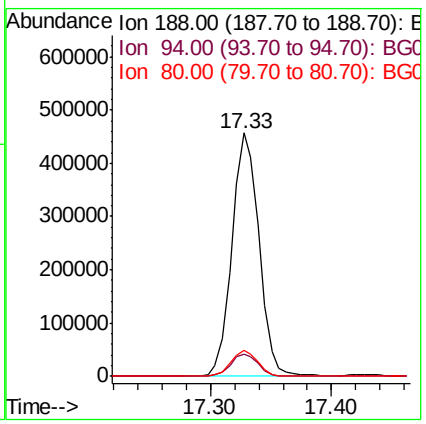


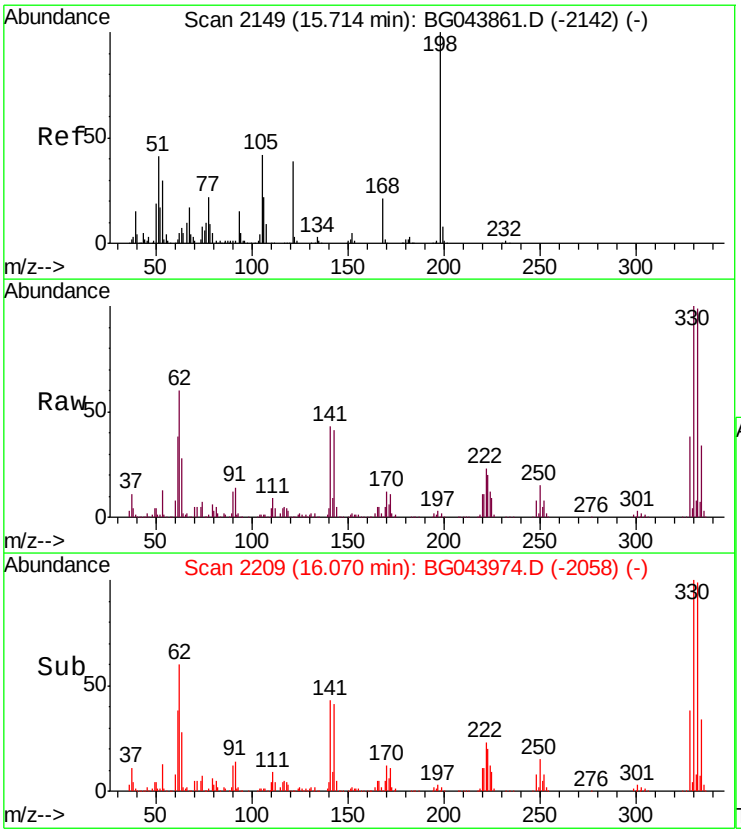

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:188 Resp: 713925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 7.9 | 11.9 |
| 80 | 10.6 | 8.2 | 12.4 |

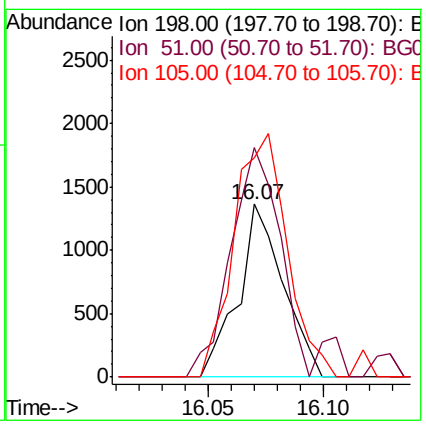


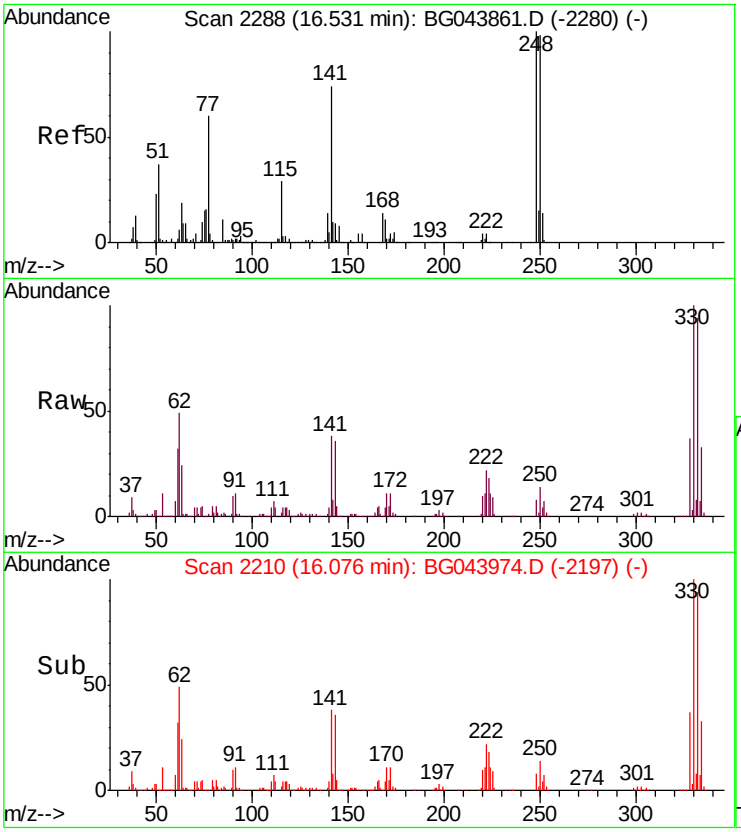




#65
4,6-Dinitro-2-methylphenol
Concen: 4.846 ng
RT: 16.07 min Scan# 2209
Delta R.T. 0.36 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:198 Resp: 1849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 132.7 | 22.5 | 62.5# |
| 105 | 127.1 | 22.3 | 62.3# |



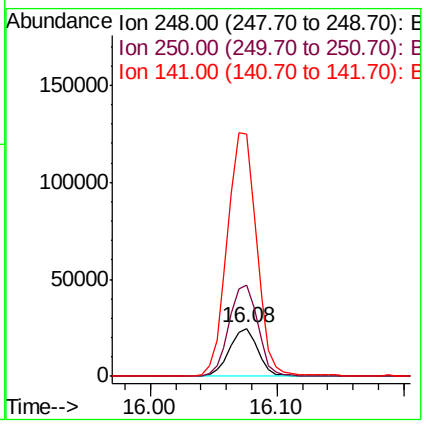


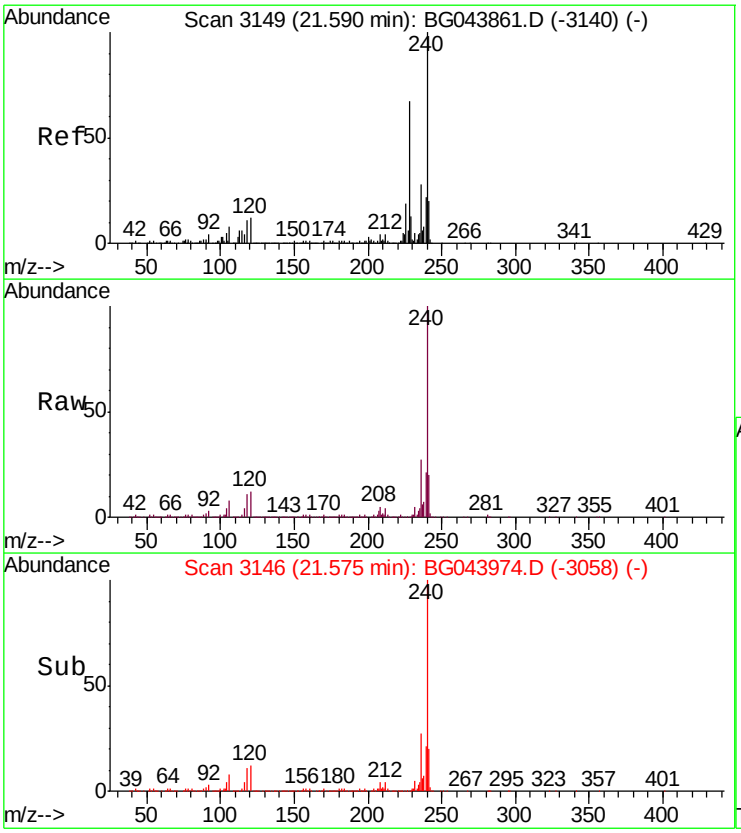

#67
4-Bromophenyl-phenylether
Concen: 4.757 ng
RT: 16.08 min Scan# 2210
Delta R.T. -0.46 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:248 Resp: 38198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 188.8 | 78.2 | 117.2# |
| 141 | 502.5 | 59.3 | 88.9# |

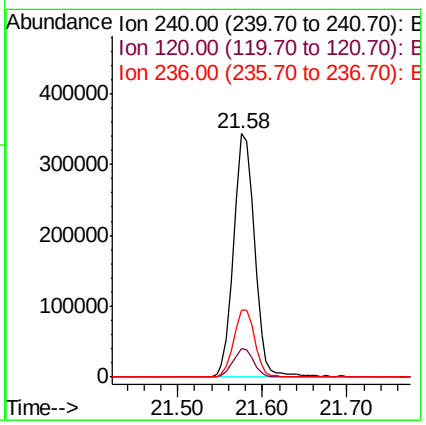


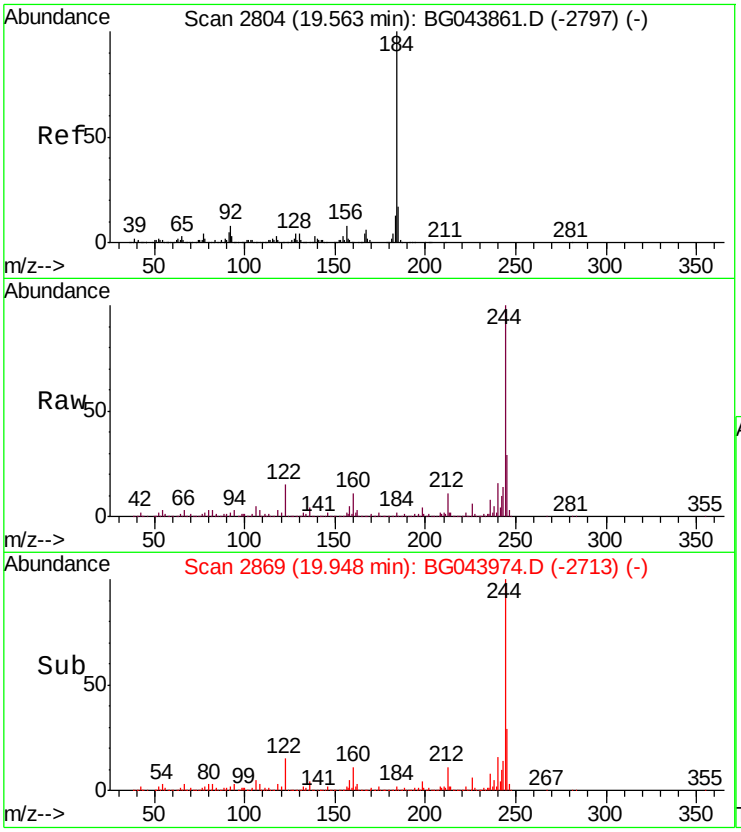




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:240 Resp: 586873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 9.6 | 14.4 |
| 236 | 27.3 | 22.2 | 33.2 |



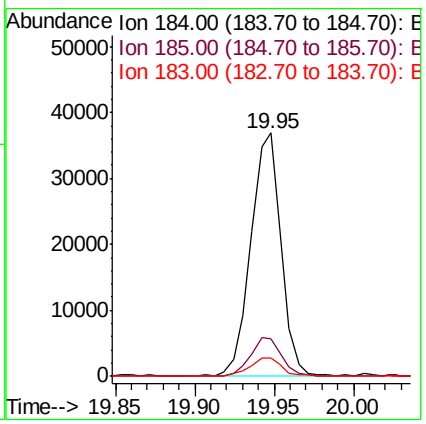


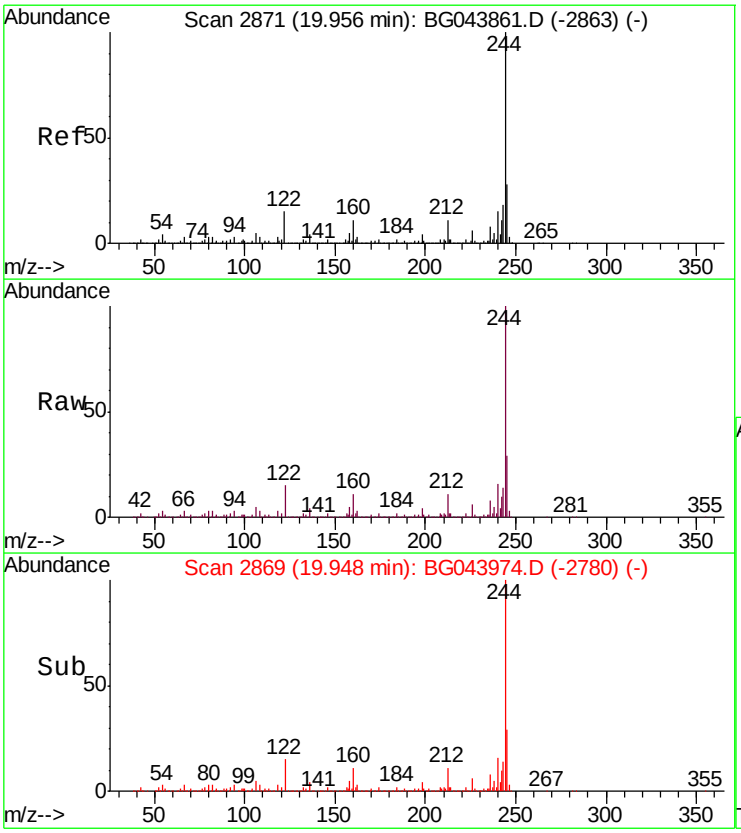

#77
Benzidine
Concen: 3.309 ng
RT: 19.95 min Scan# 2869
Delta R.T. 0.39 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:184 Resp: 48817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.4 | 13.4 | 20.0 |
| 183 | 7.8 | 10.6 | 15.8# |

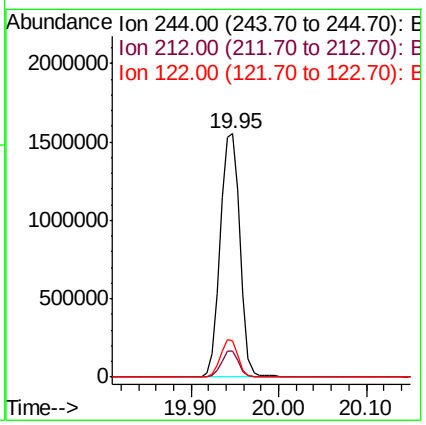


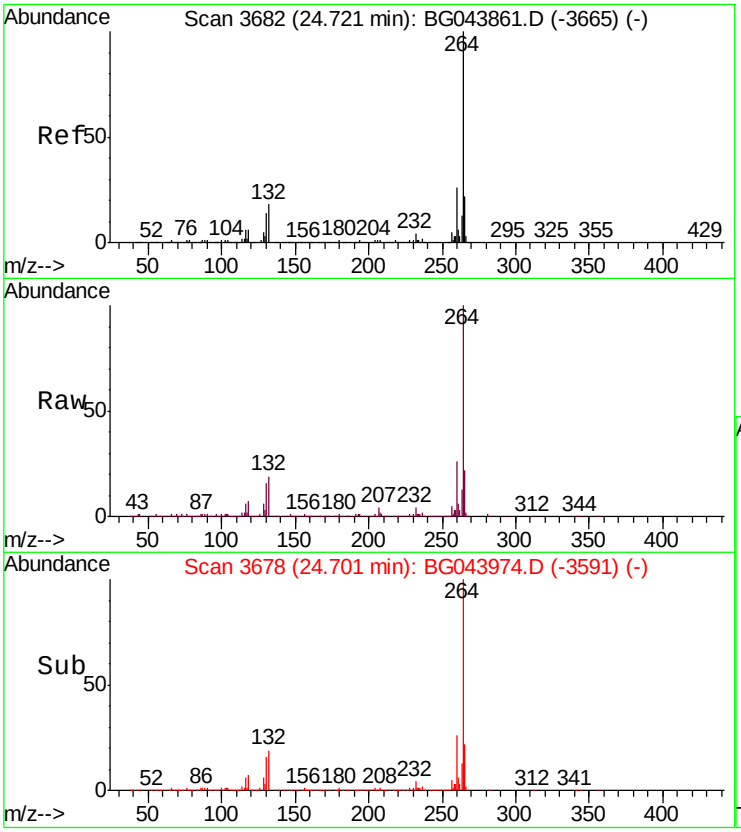




#79
Terphenyl-d14
Concen: 106.180 ng
RT: 19.95 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

Tgt Ion:244 Resp: 2426928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.8 | 8.6 | 13.0 |
| 122 | 14.7 | 11.9 | 17.9 |






#87
Perylene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG043974.D
Acq: 8 Jan 2020 19:22

**Instrument :**
BNA_G
**ClientSampleId :**
PB125951BL

Tgt Ion:264 Resp: 641944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.7 | 20.4 | 30.6 |
| 265 | 22.2 | 17.4 | 26.2 |