Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045288.D
Acq On : 8 May 2020 3:19
Operator : CG/JU
Sample : L2497-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: May 08 04:53:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 12:51:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 79359 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.79 | 136 | 318588 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 226275 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.37 | 188 | 479803 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 422065 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.80 | 264 | 437099 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 102763 | 21.38 | ng | 0.00 |
| 7) Phenol-d6 | 7.15 | 99 | 149581 | 20.94 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.14 | 82 | 96804 | 13.86 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 67036 | 19.18 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.24 | 172 | 240645 | 15.59 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 356155 | 18.39 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.14 | 77 | 70 | Below Cal | # | 4 |
| 19) n-Nitroso-di-n-propylamine | 9.14 | 70 | 12478 | 2.471 | ng | # 80 |
| 32) Benzoic acid | 10.18 | 122 | 65 | 6.388 | ng | # 1 |
| 51) 2,6-Dinitrotoluene | 14.63 | 165 | 29328 | 7.117 | ng | # 26 |
| 57) 2,4-Dinitrotoluene | 14.63 | 165 | 29328 | 4.870 | ng | # 24 |
| 69) Atrazine | 17.31 | 200 | 55 | Below Cal | # | 35 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 1170 | Below Cal | # | 62 |
| 75) Fluoranthene | 19.42 | 202 | 11193 | Below Cal | | 96 |
| 77) Benzidine | 19.63 | 184 | 218 | Below Cal | # | 1 |

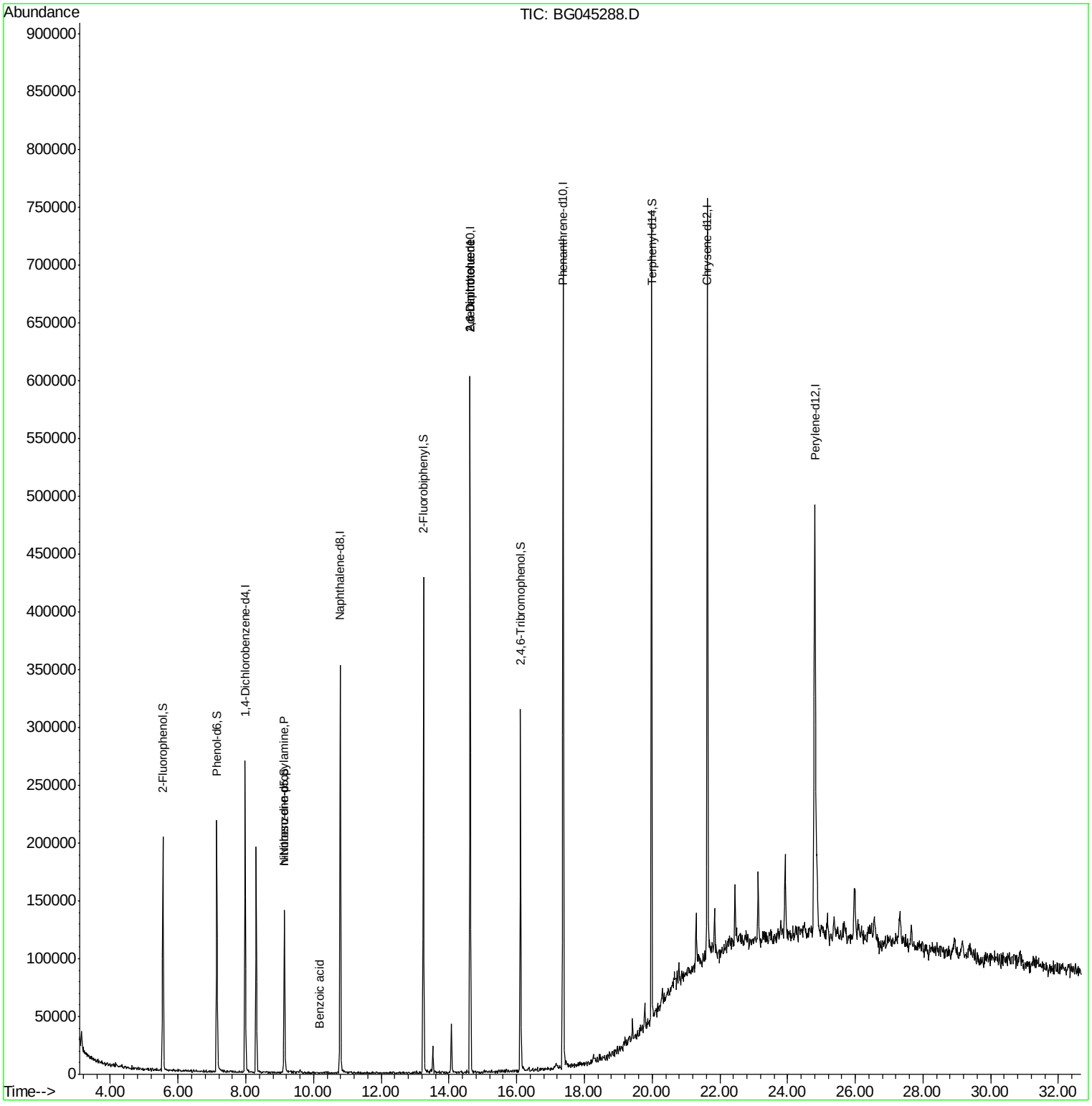
(#) = qualifier out of range (m) = manual integration (+) = signals summed

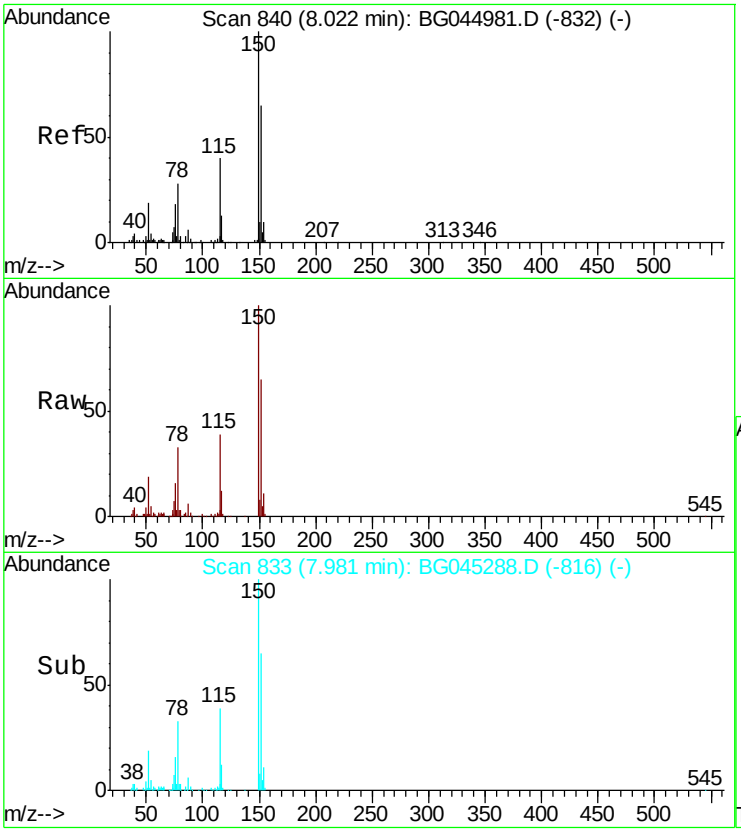
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045288.D
Acq On : 8 May 2020 3:19
Operator : CG/JU
Sample : L2497-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: May 08 04:53:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 07 12:51:10 2020
Response via : Initial Calibration



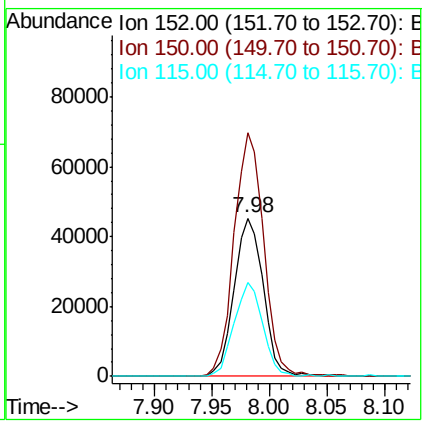


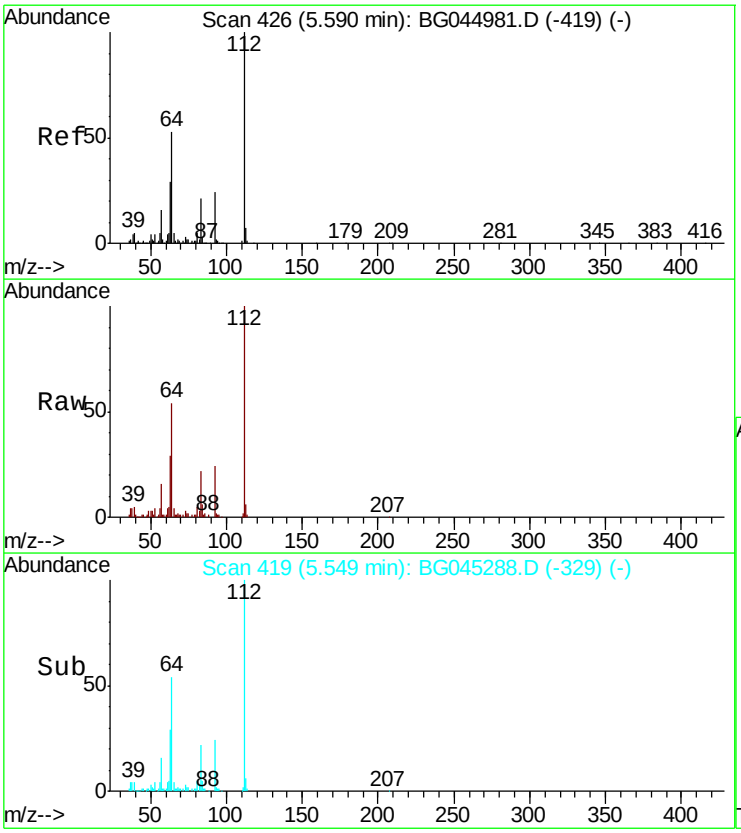

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:152 Resp: 79359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.8 | 123.6 | 185.4 |
| 115 | 59.6 | 49.1 | 73.7 |

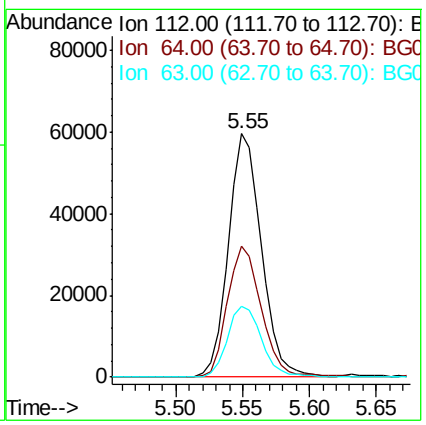


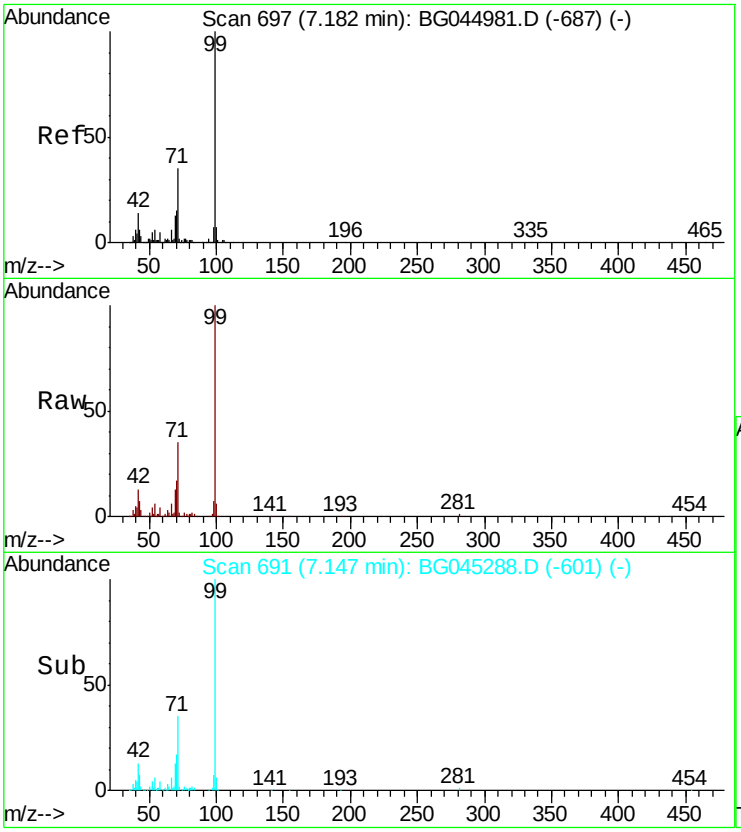




#5
2-Fluorophenol
Concen: 21.378 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:112 Resp: 102763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.6 | 42.4 | 63.6 |
| 63 | 29.2 | 23.1 | 34.7 |



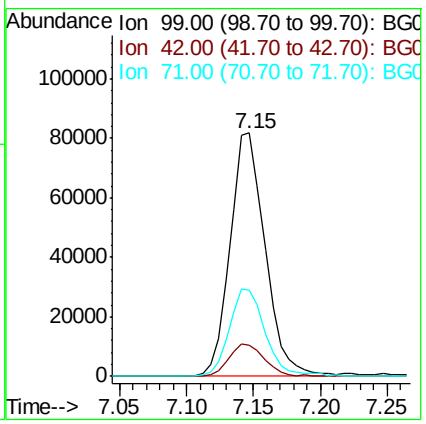


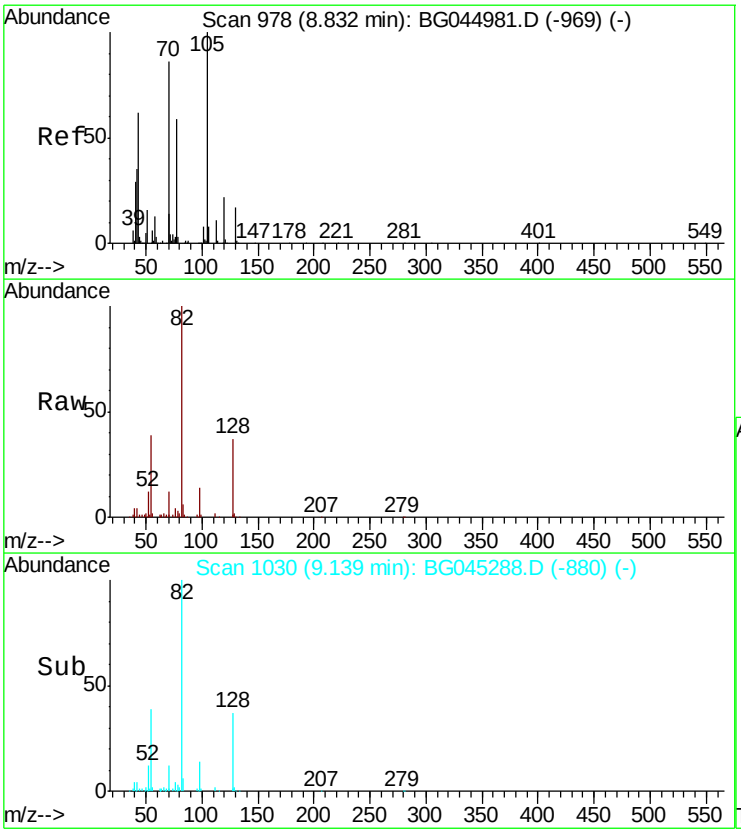

#7
Phenol-d6
Concen: 20.944 ng
RT: 7.15 min Scan# 691
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion: 99 Resp: 149581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.8 | 11.3 | 16.9 |
| 71 | 35.4 | 28.3 | 42.5 |

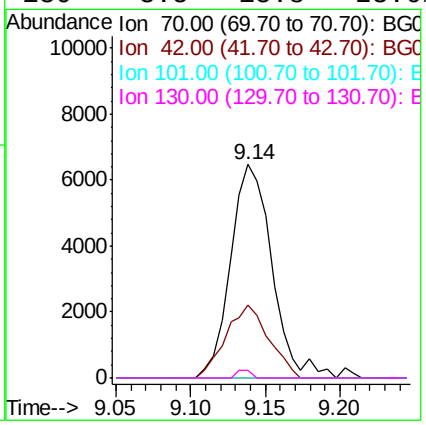


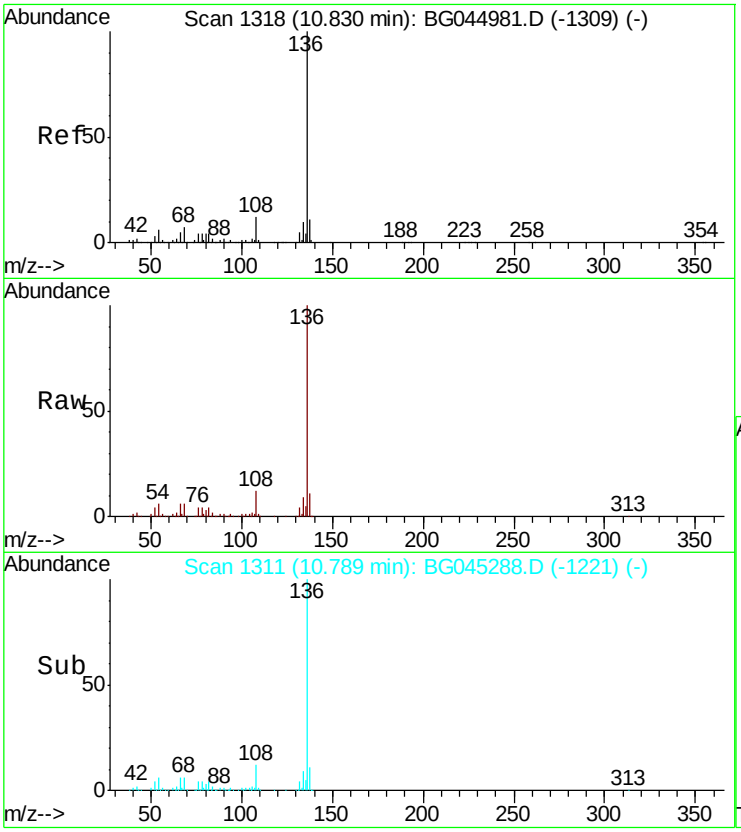




#19
n-Nitroso-di-n-propylamine
Concen: 2.471 ng
RT: 9.14 min Scan# 1030
Delta R.T. 0.35 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion: 70 Resp: 12478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 34.3 | 33.3 | 49.9 |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 3.5 | 15.8 | 23.6# |



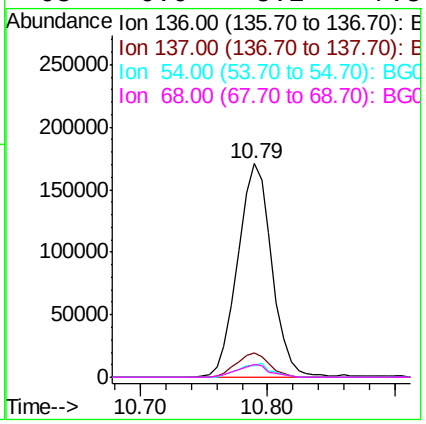


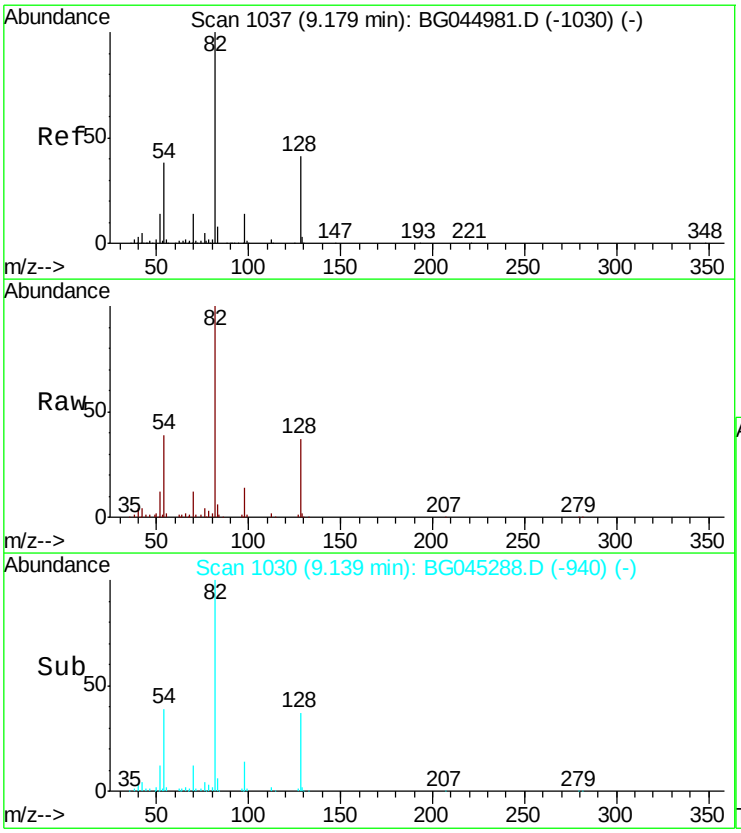

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:136 Resp: 318588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 13.0 |
| 54 | 5.6 | 4.8 | 7.2 |
| 68 | 6.0 | 5.2 | 7.8 |

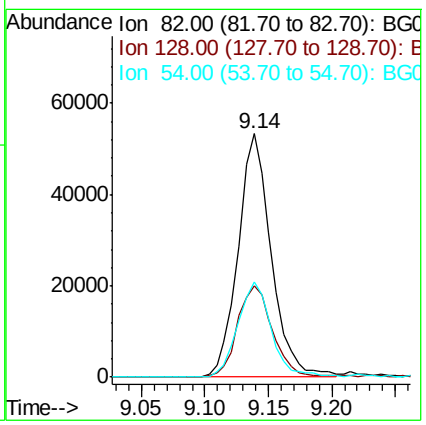


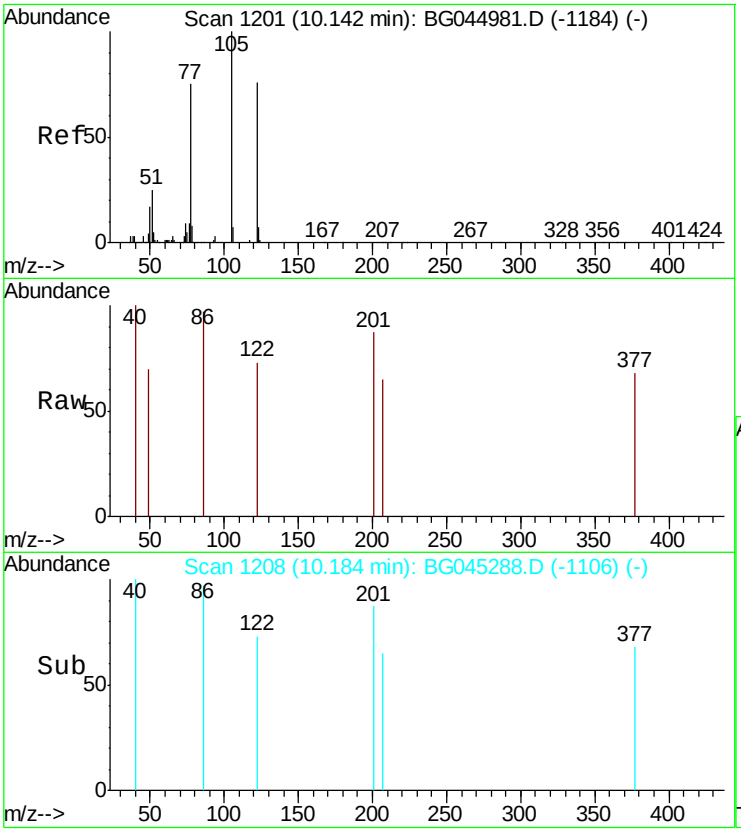




#23
Nitrobenzene-d5
Concen: 13.864 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion: 82 Resp: 96804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.3 | 33.0 | 49.4 |
| 54 | 38.9 | 30.4 | 45.6 |



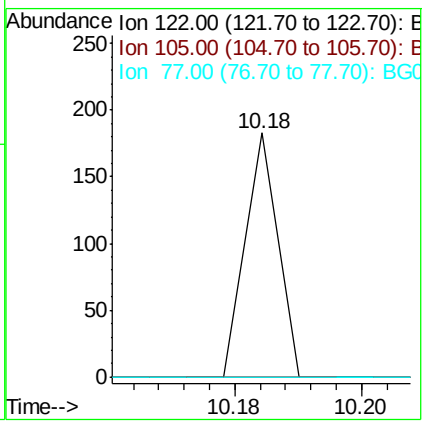


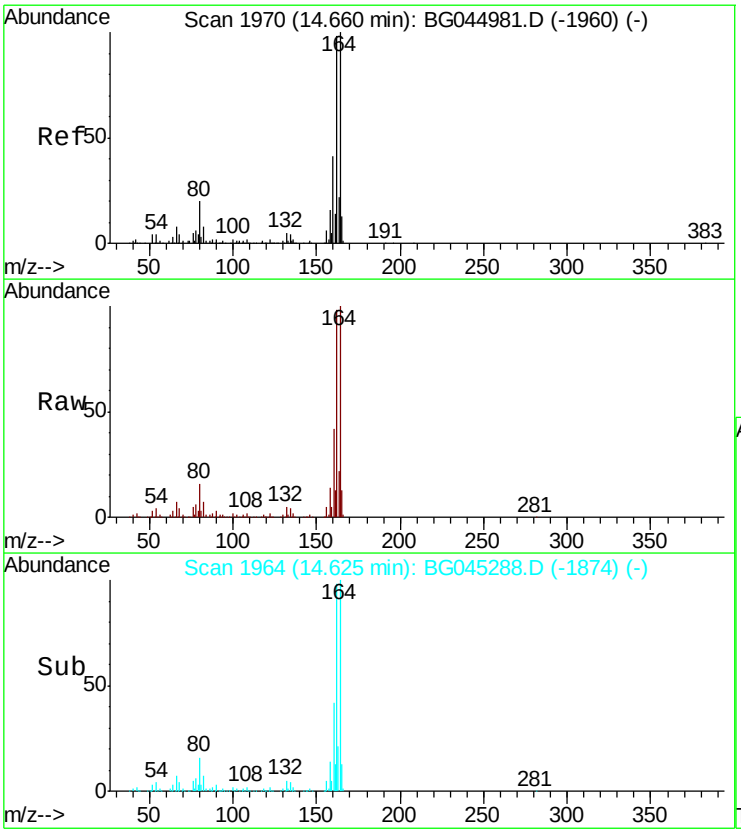

#32
Benzoic acid
Concen: 6.388 ng
RT: 10.18 min Scan# 1208
Delta R.T. 0.07 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:122 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 108.4 | 148.4# |
| 77 | 0.0 | 78.8 | 118.8# |

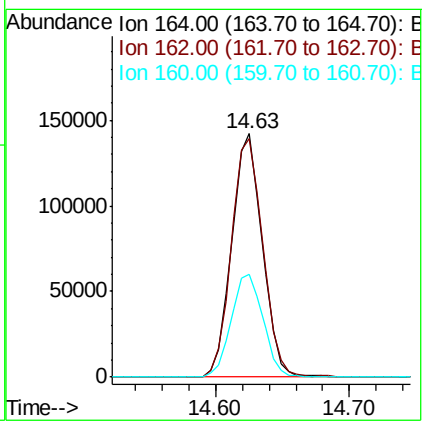


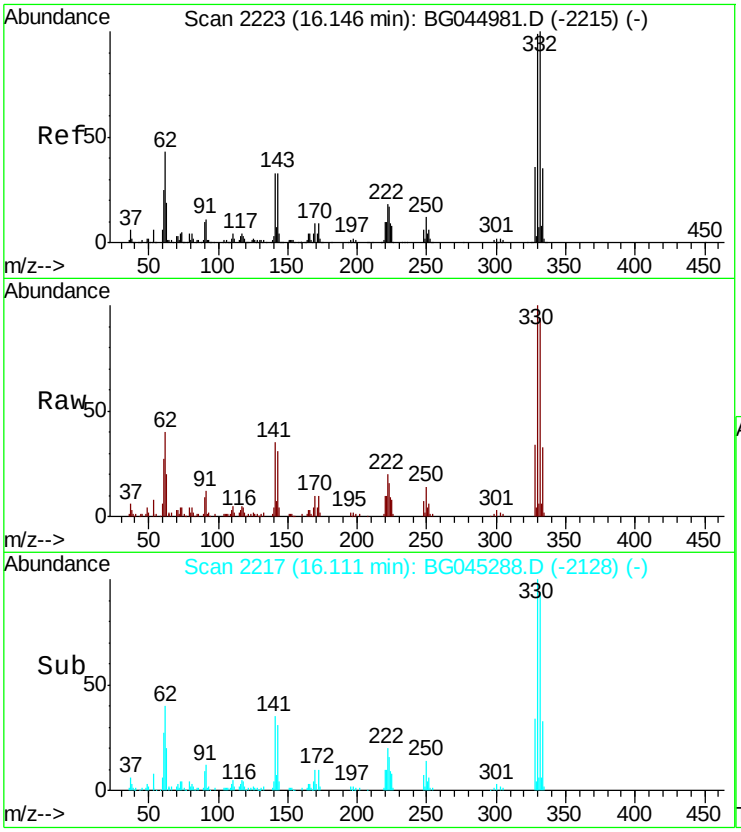




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:164 Resp: 226275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.0 | 78.7 | 118.1 |
| 160 | 42.4 | 32.8 | 49.2 |



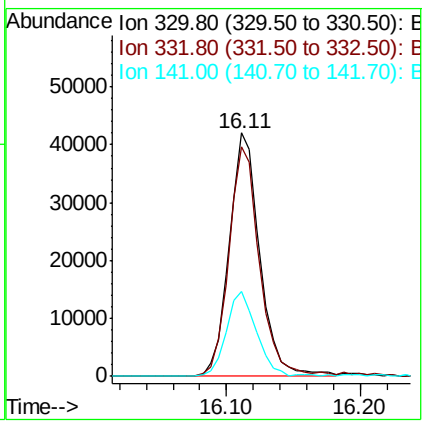


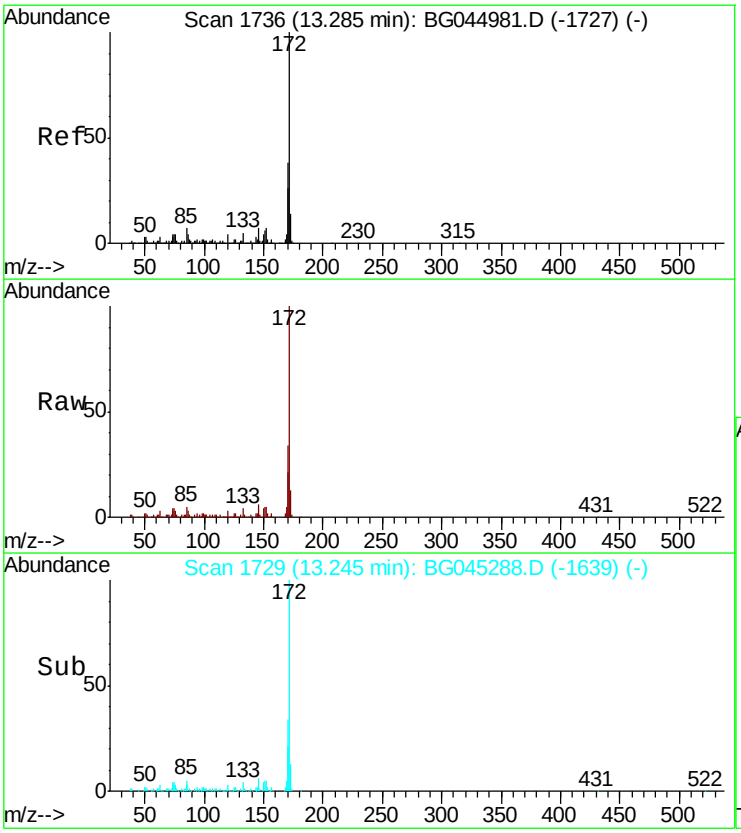

#42
2,4,6-Tribromophenol
Concen: 19.177 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:330 Resp: 67036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.5 | 79.1 | 118.7 |
| 141 | 34.8 | 27.1 | 40.7 |

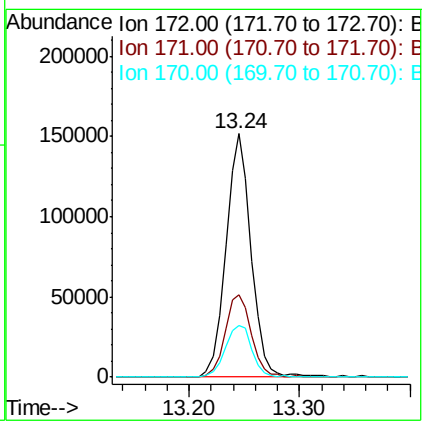


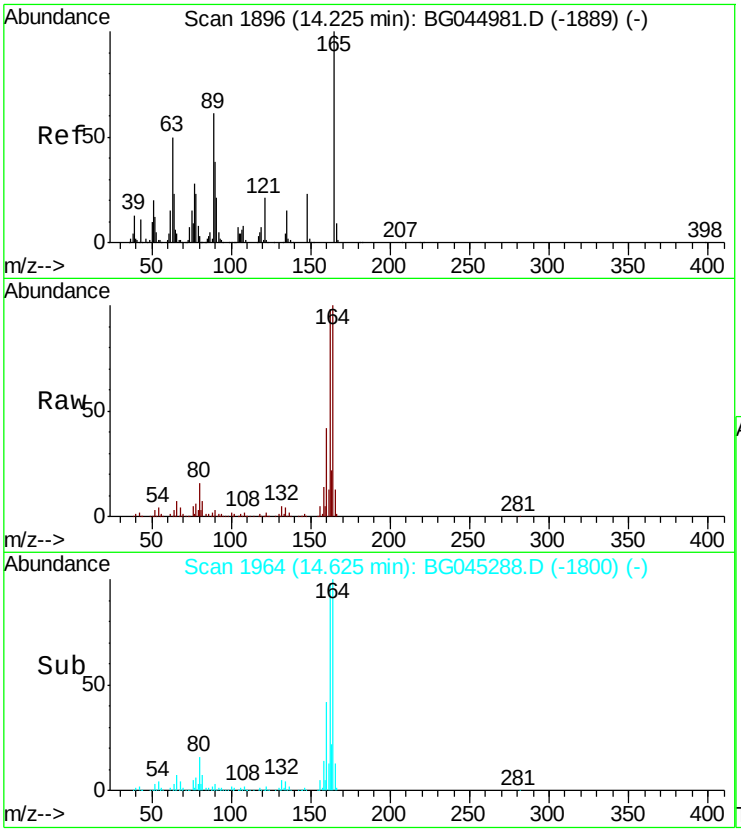




#45
2-Fluorobiphenyl
Concen: 15.594 ng
RT: 13.24 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:172 Resp: 240645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 30.6 | 46.0 |
| 170 | 21.4 | 20.5 | 30.7 |



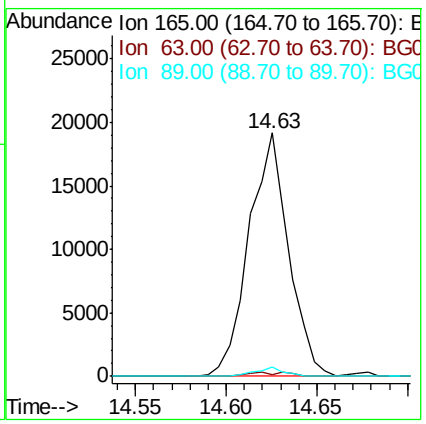


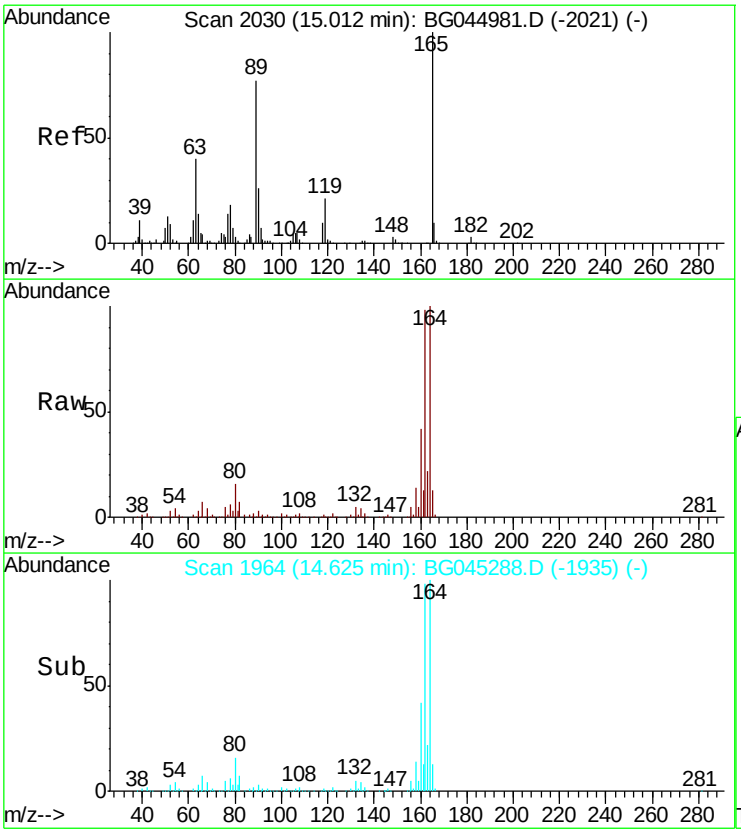

#51
2,6-Dinitrotoluene
Concen: 7.117 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:165 Resp: 29328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 40.4 | 60.6# |
| 89 | 3.7 | 49.1 | 73.7# |

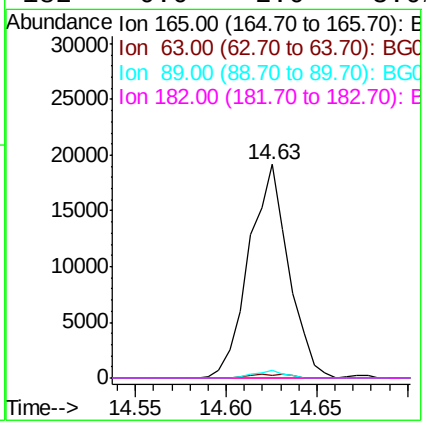


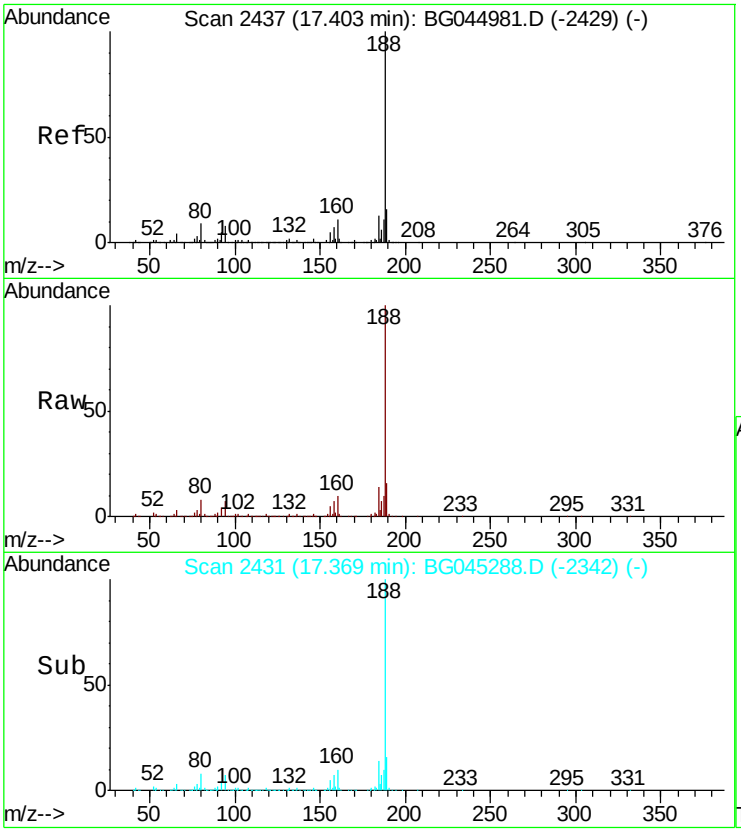




#57
2,4-Dinitrotoluene
Concen: 4.870 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:165 Resp: 29328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 32.2 | 48.2# |
| 89 | 3.7 | 61.7 | 92.5# |
| 182 | 0.0 | 2.0 | 3.0# |



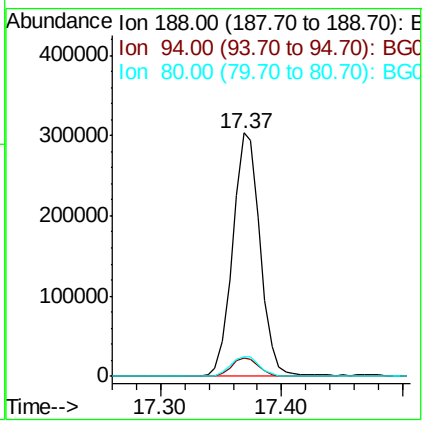


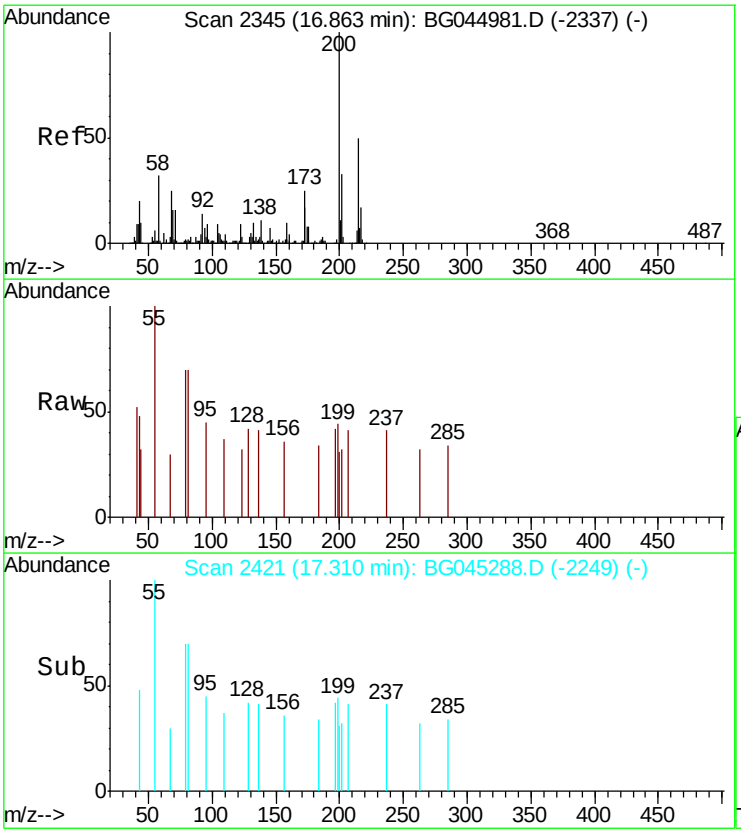

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:188 Resp: 479803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 6.2 | 9.4 |
| 80 | 8.0 | 7.0 | 10.6 |

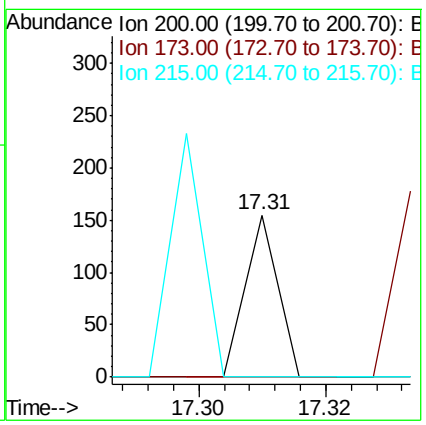


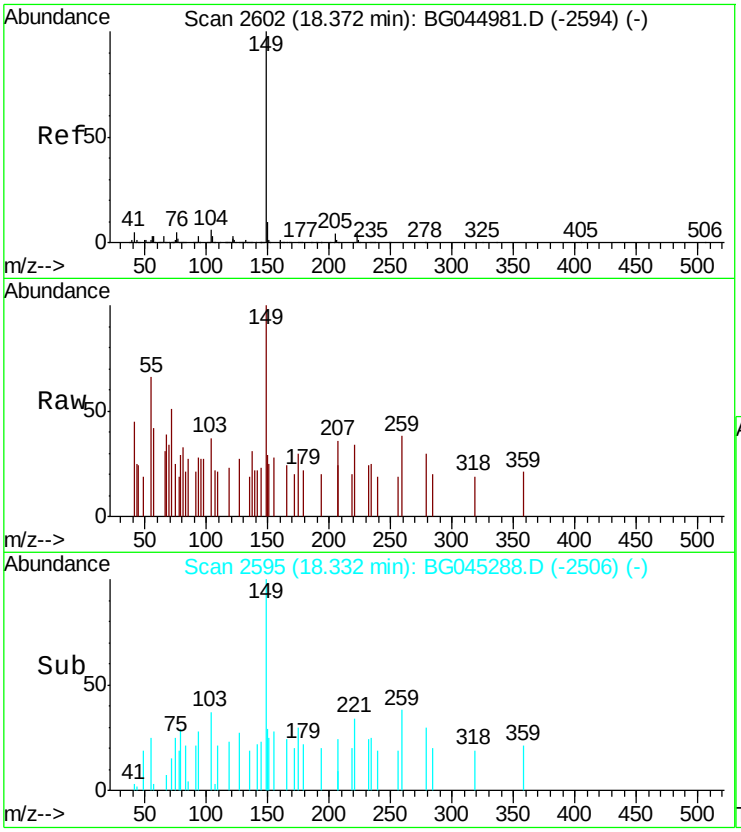




#69
Atrazine
Concen: Below Cal
RT: 17.31 min Scan# 2421
Delta R.T. 0.48 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:200 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 0.0 | 4.5 | 44.5# |
| 215 | 0.0 | 30.0 | 70.0# |



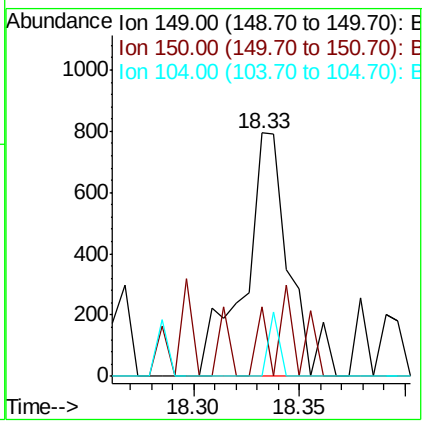


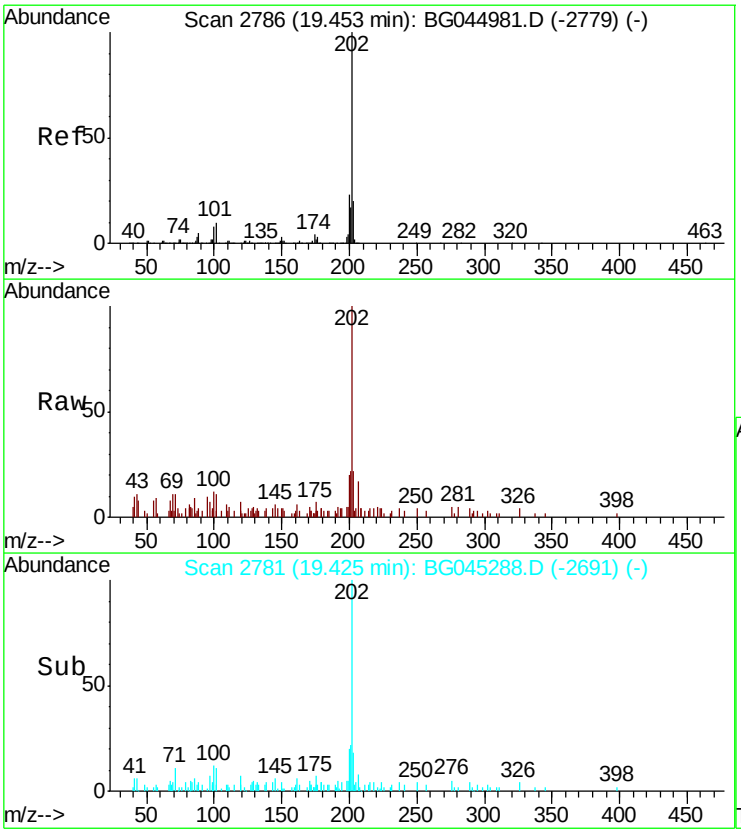

#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:149 Resp: 1170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 28.7 | 8.2 | 12.2# |
| 104 | 0.0 | 4.8 | 7.2# |

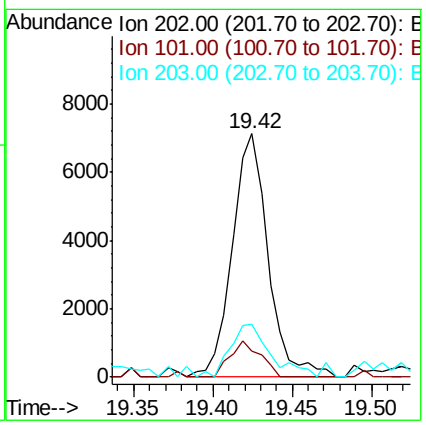


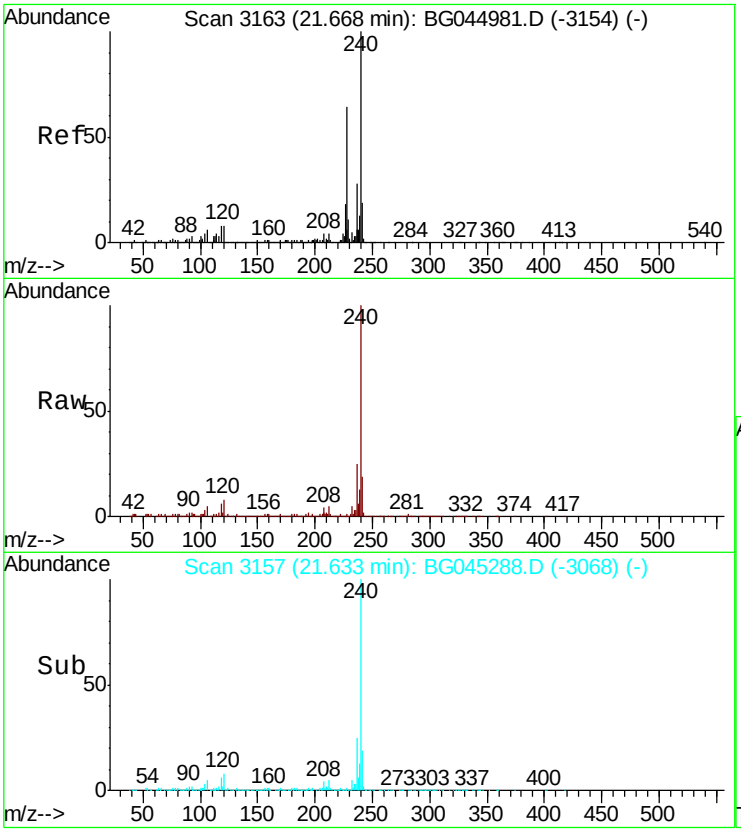




#75
Fluoranthene
Concen: Below Cal
RT: 19.42 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:202 Resp: 11193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 29.6 |
| 203 | 21.5 | 0.0 | 39.7 |



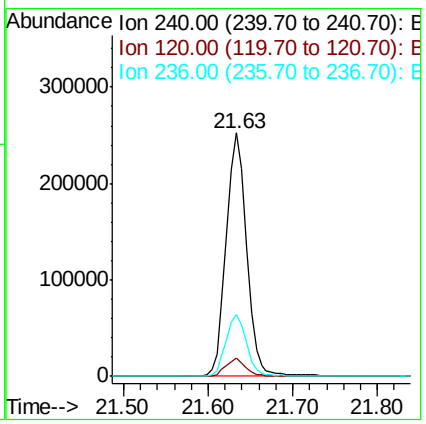


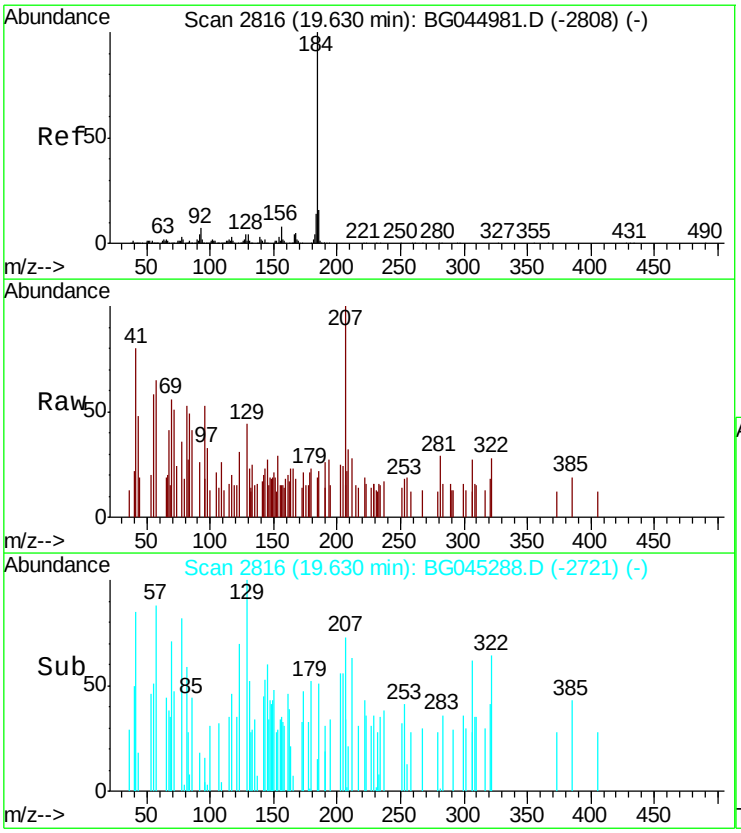

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:240 Resp: 422065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.7 | 6.6 | 10.0 |
| 236 | 25.2 | 22.2 | 33.2 |

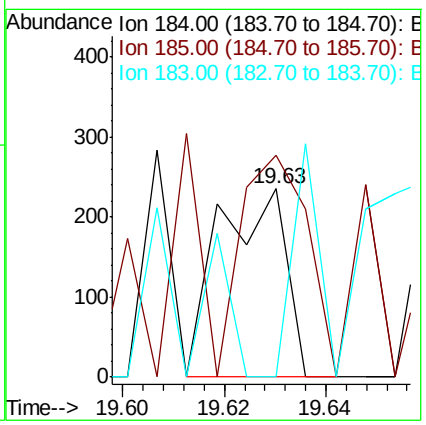


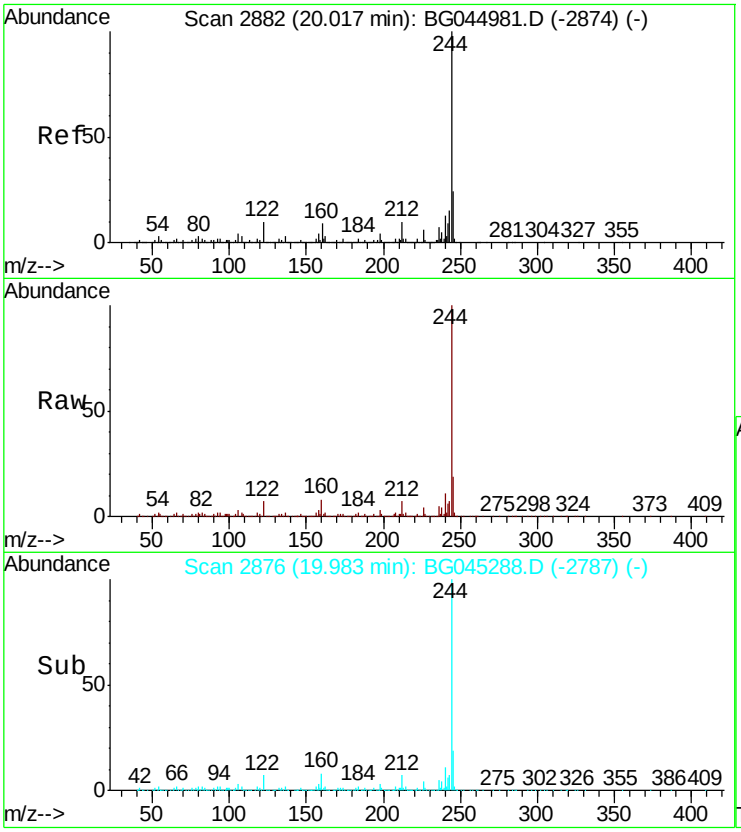




#77
Benzidine
Concen: Below Cal
RT: 19.63 min Scan# 2816
Delta R.T. 0.03 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:184 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 117.9 | 12.6 | 19.0# |
| 183 | 0.0 | 11.3 | 16.9# |



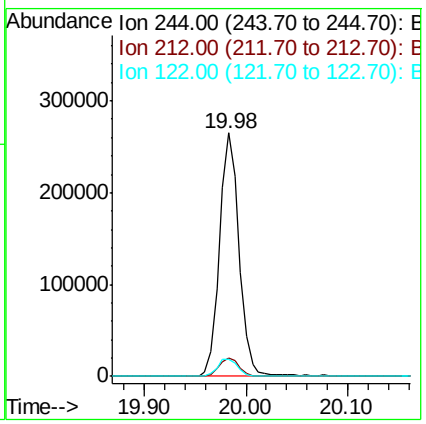


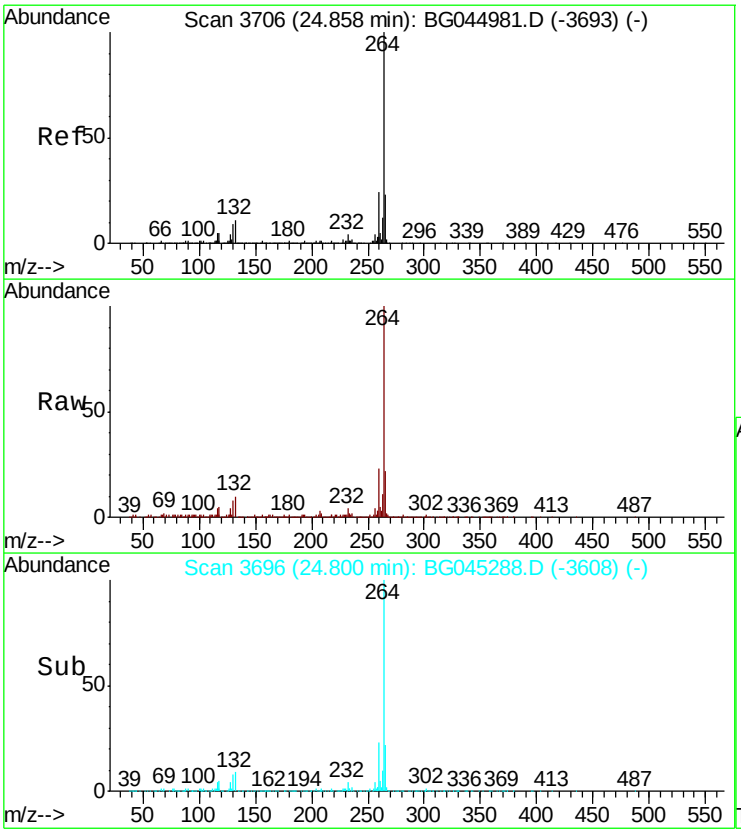

#79
Terphenyl-d14
Concen: 18.392 ng
RT: 19.98 min Scan# 2876
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

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

Tgt Ion:244 Resp: 356155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 7.9 | 11.9# |
| 122 | 7.2 | 7.7 | 11.5# |




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3696
Delta R.T. -0.01 min
Lab File: BG045288.D
Acq: 8 May 2020 3:19

Tgt Ion:264 Resp: 437099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 22.1 | 19.0 | 28.4 |