Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080818\
Data File : BG036213.D
Acq On : 9 Aug 2018 1:08
Operator : JU/SJ
Sample : J4275-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CL-02-080718-D

Quant Time: Aug 09 03:31:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 25731 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.81 | 136 | 85578 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.63 | 164 | 61100 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.38 | 188 | 183997 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 21.64 | 240 | 206444 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 24.83 | 264 | 188226 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 202326 | 130.55 | ng | 0.00 |
| 7) Phenol-d6 | 7.18 | 99 | 252869 | 109.36 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 212859 | 103.91 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 151927 | 188.65 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 13.26 | 172 | 487774 | 106.95 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.98 | 244 | 1125610 | 120.19 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 10.86 | 128 | 37434 | 8.397 | ng | 95 |

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

Quantitation Report (QT Reviewed)

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Acq On : 9 Aug 2018 1:08
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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Quant Time: Aug 09 03:31:32 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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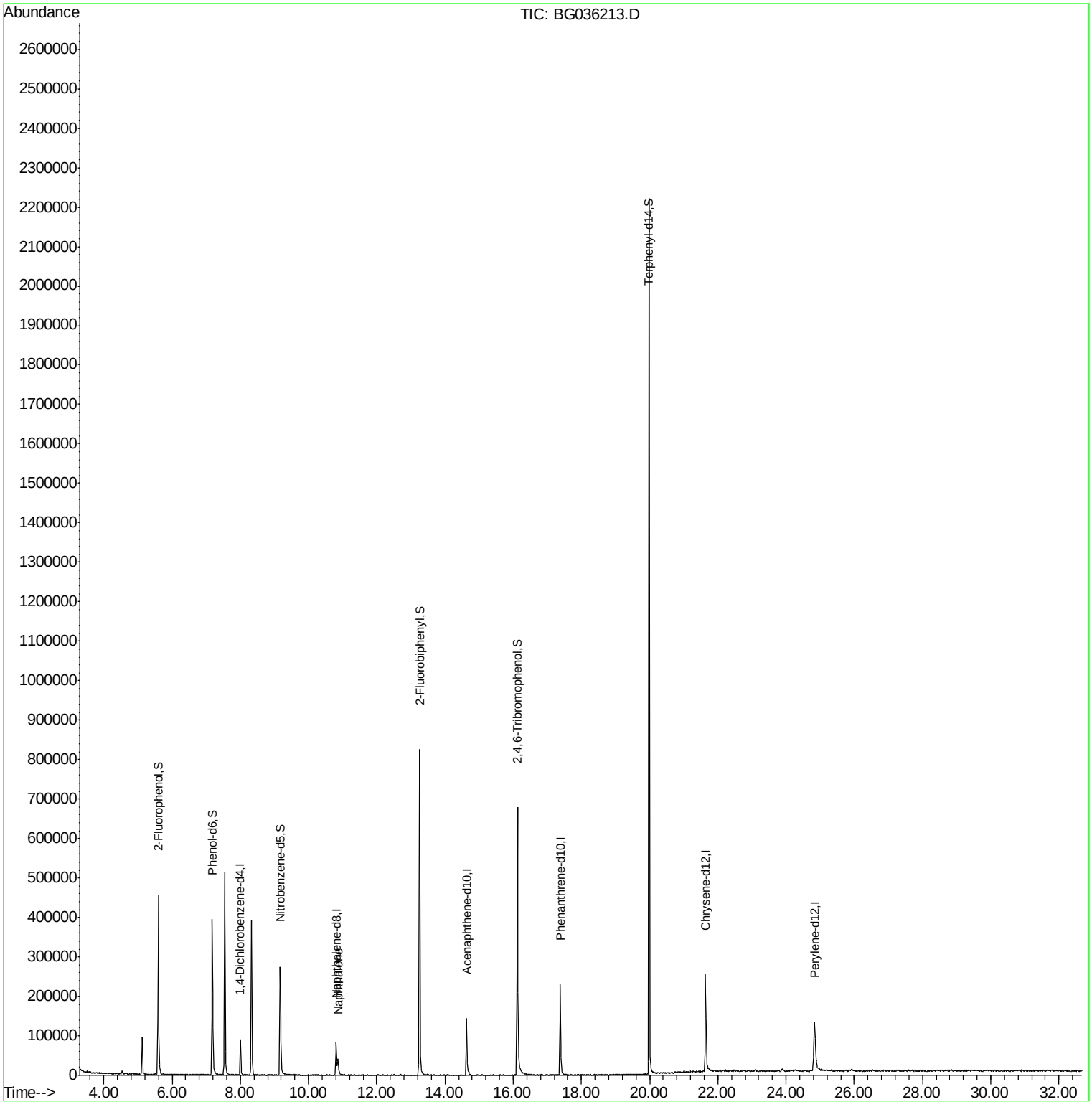
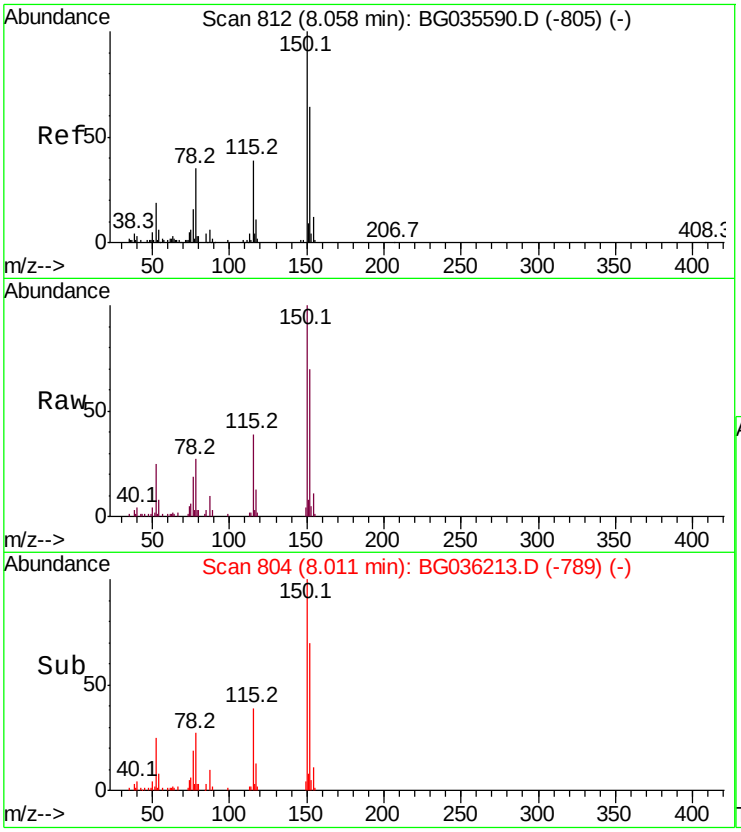


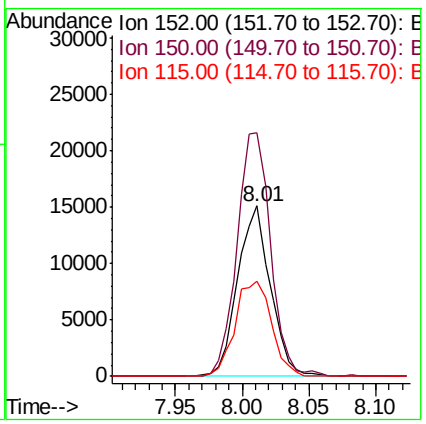


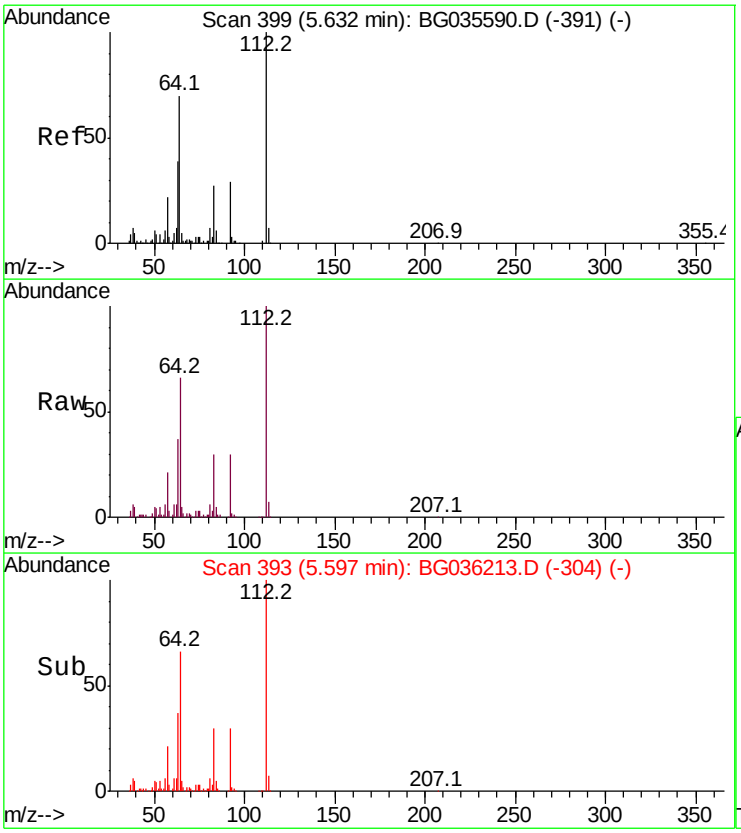

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion:152 Resp: 25731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 142.8 | 126.6 | 189.8 |
| 115 | 55.7 | 53.0 | 79.4 |

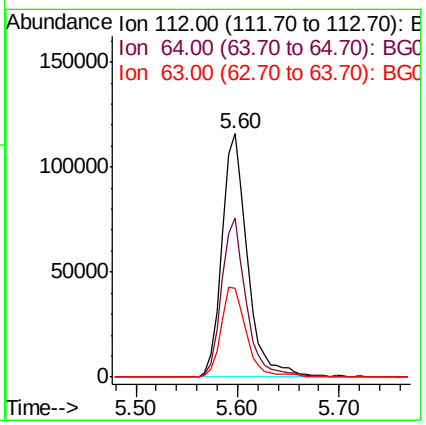


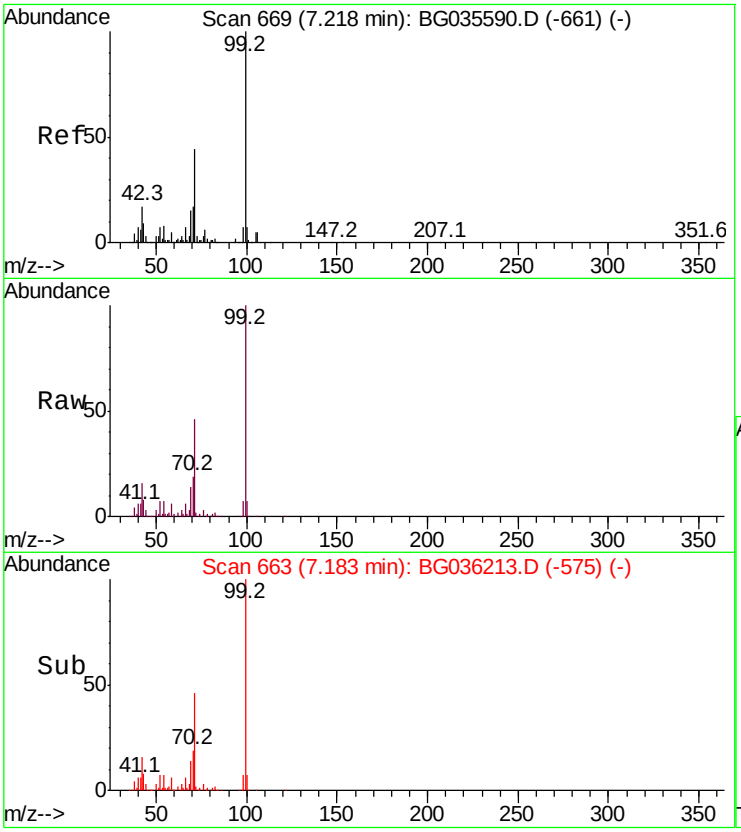




#5
2-Fluorophenol
Concen: 130.546 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:112 Resp: 202326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.5 | 56.3 | 84.5 |
| 63 | 36.6 | 30.1 | 45.1 |



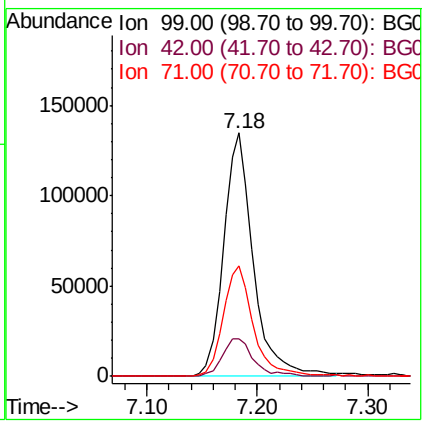


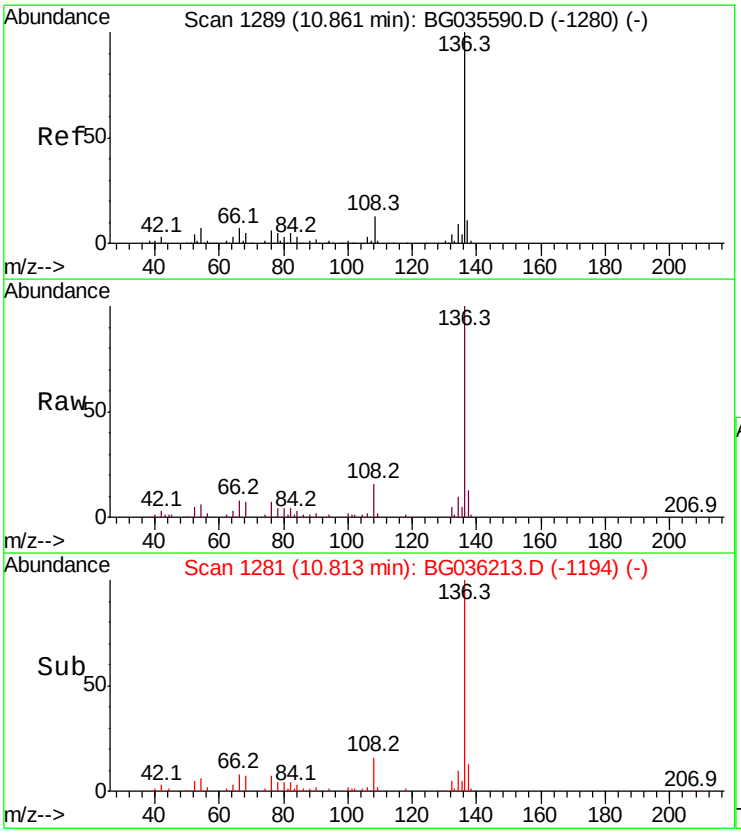

#7
Phenol-d6
Concen: 109.356 ng
RT: 7.18 min Scan# 663
Delta R.T. -0.01 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion: 99 Resp: 252869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 14.1 | 21.1 |
| 71 | 45.6 | 26.1 | 39.1# |

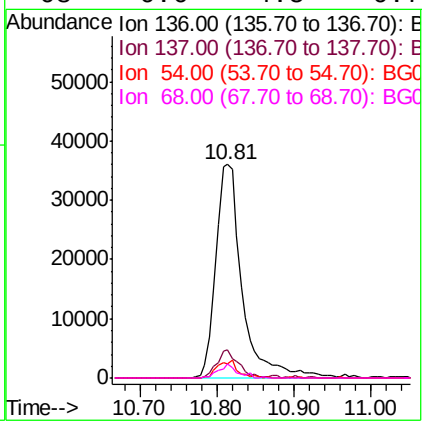


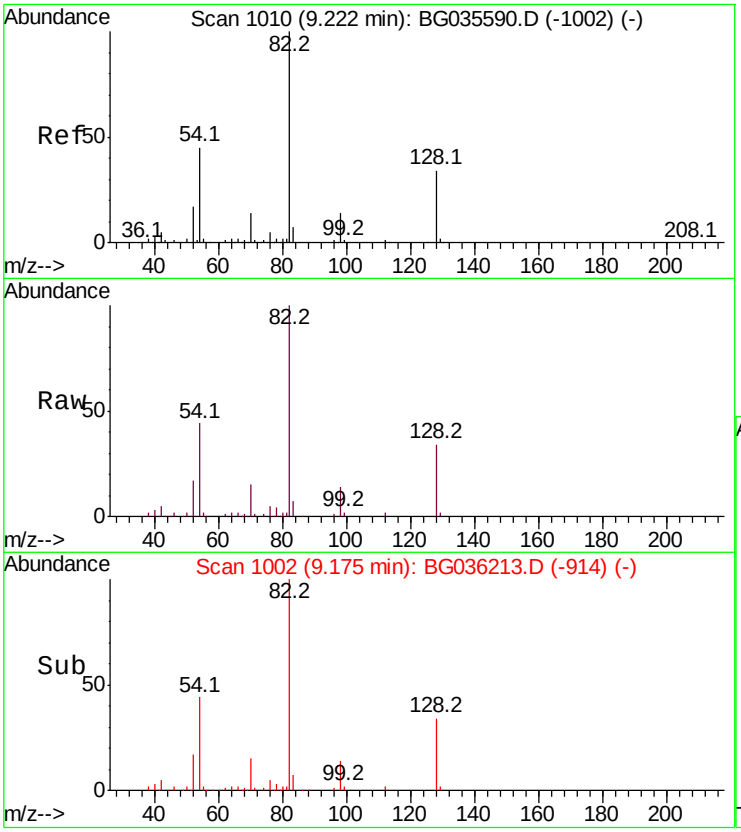




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:136 Resp: 85578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.0 | 9.2 | 13.8 |
| 54 | 6.4 | 10.3 | 15.5# |
| 68 | 6.6 | 4.5 | 6.7 |



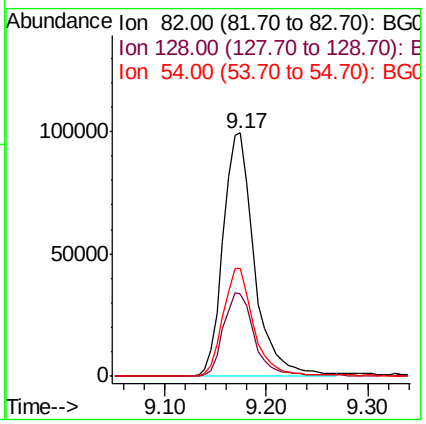


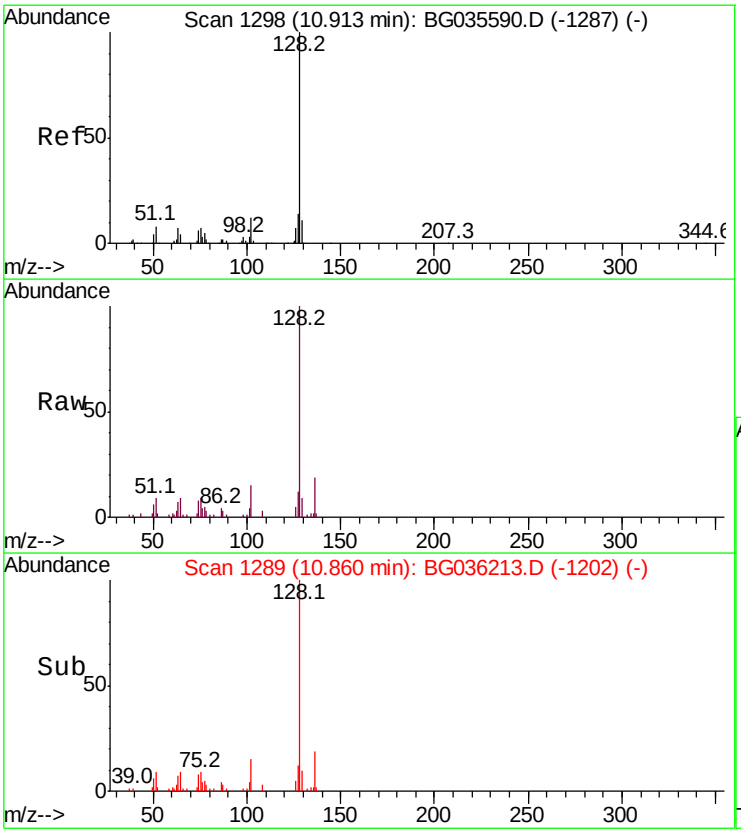

#23
Nitrobenzene-d5
Concen: 103.907 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion: 82 Resp: 212859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.6 | 29.7 | 44.5 |
| 54 | 44.2 | 43.1 | 64.7 |

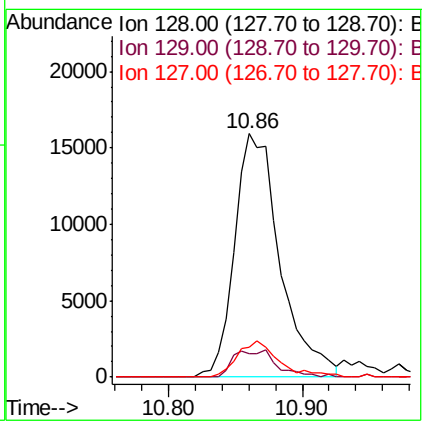


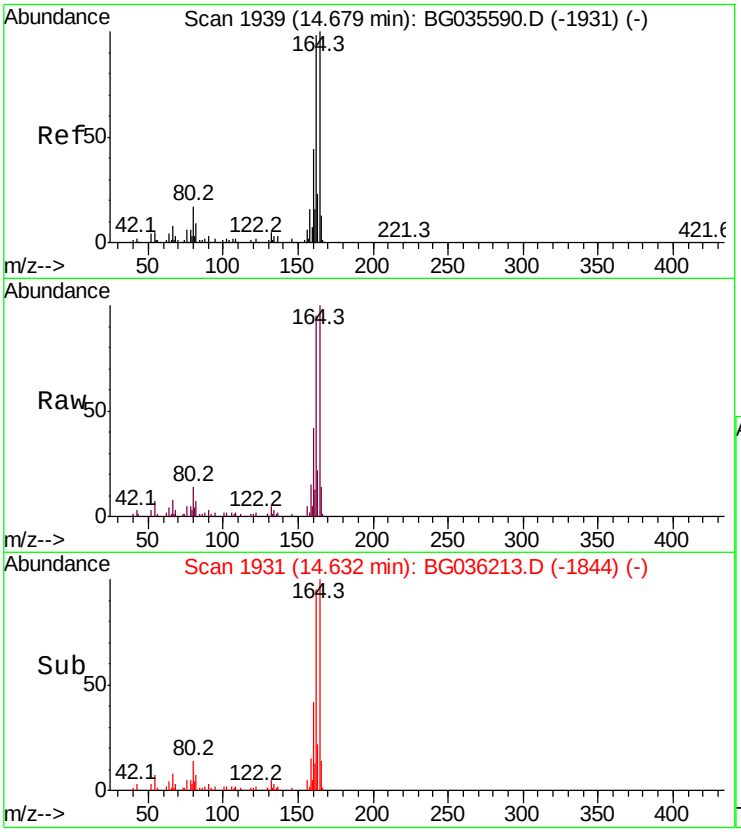




#31
Naphthalene
Concen: 8.397 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:128 Resp: 37434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.5 | 8.6 | 12.8 |
| 127 | 12.0 | 11.6 | 17.4 |



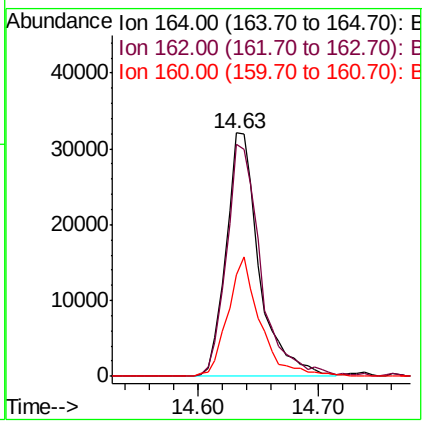


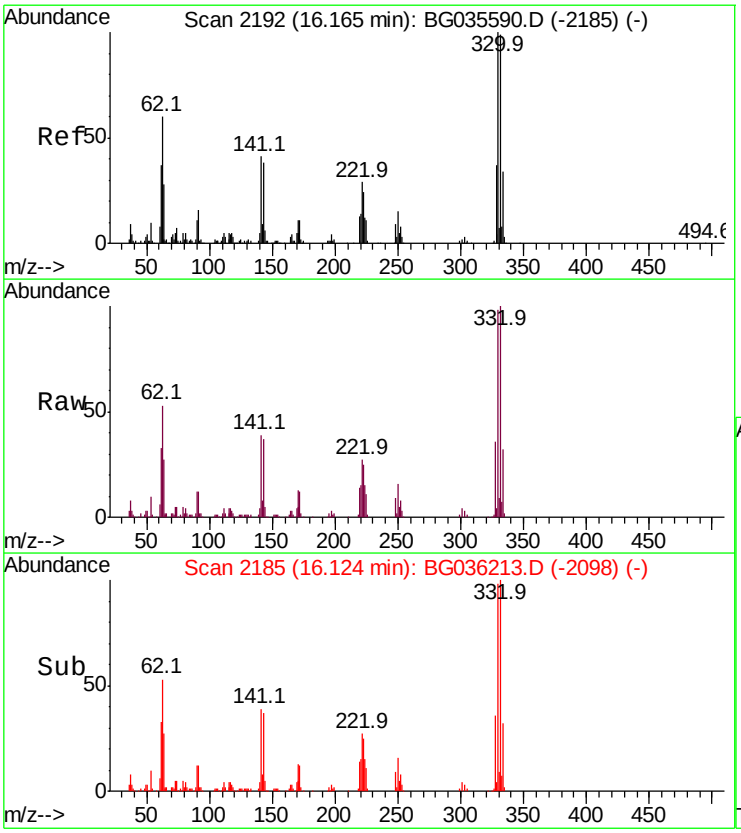

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion:164 Resp: 61100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 95.2 | 78.8 | 118.2 |
| 160 | 41.8 | 35.4 | 53.0 |

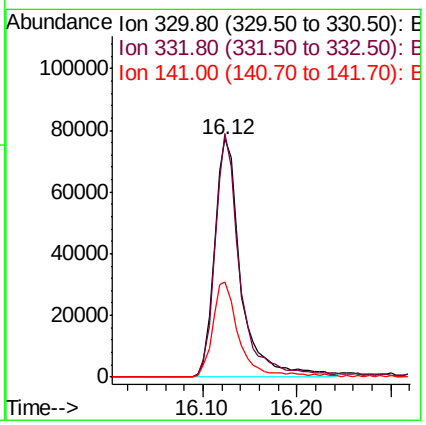


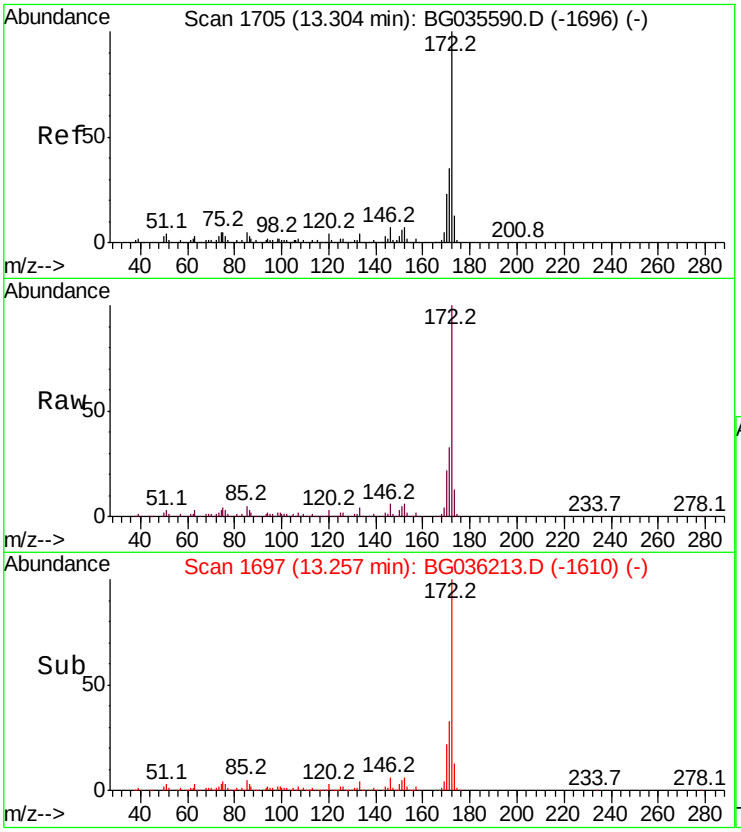




#41
2,4,6-Tribromophenol
Concen: 188.650 ng
RT: 16.12 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:330 Resp: 151927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.0 | 115.6 |
| 141 | 39.1 | 25.2 | 37.8# |



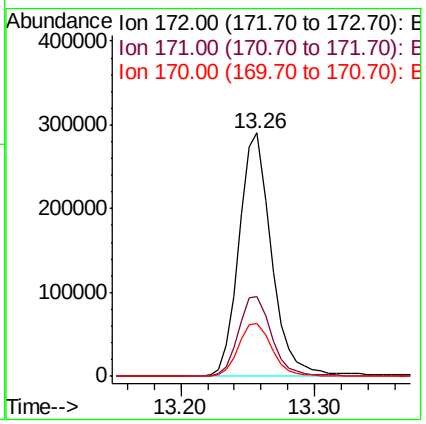


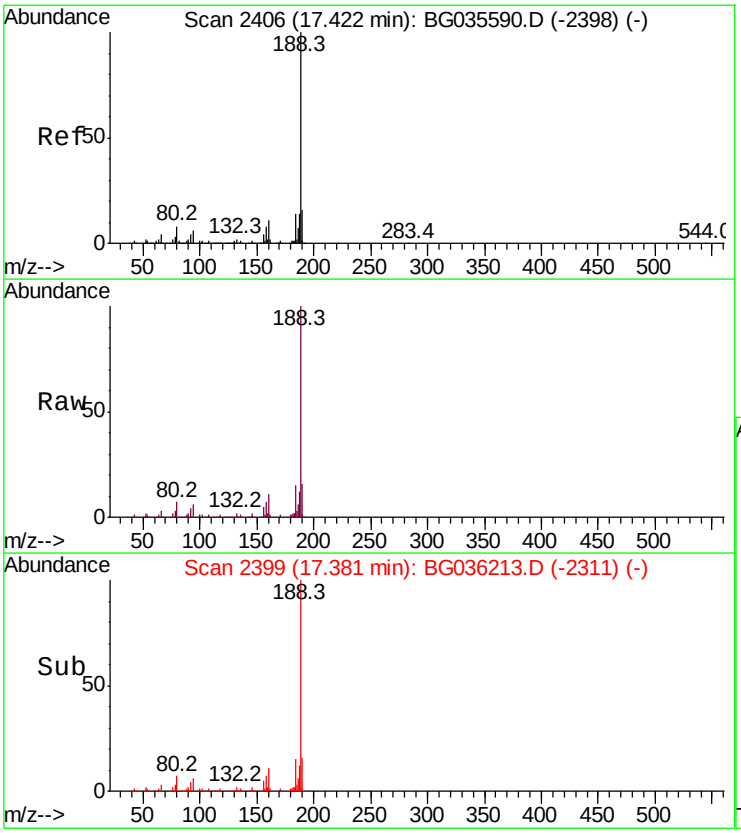

#44
2-Fluorobiphenyl
Concen: 106.954 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion:172 Resp: 487774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.6 | 30.0 | 45.0 |
| 170 | 22.0 | 19.5 | 29.3 |

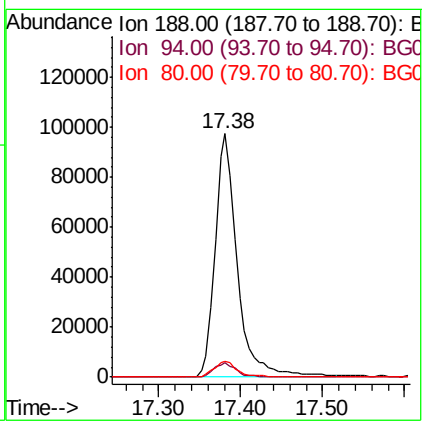


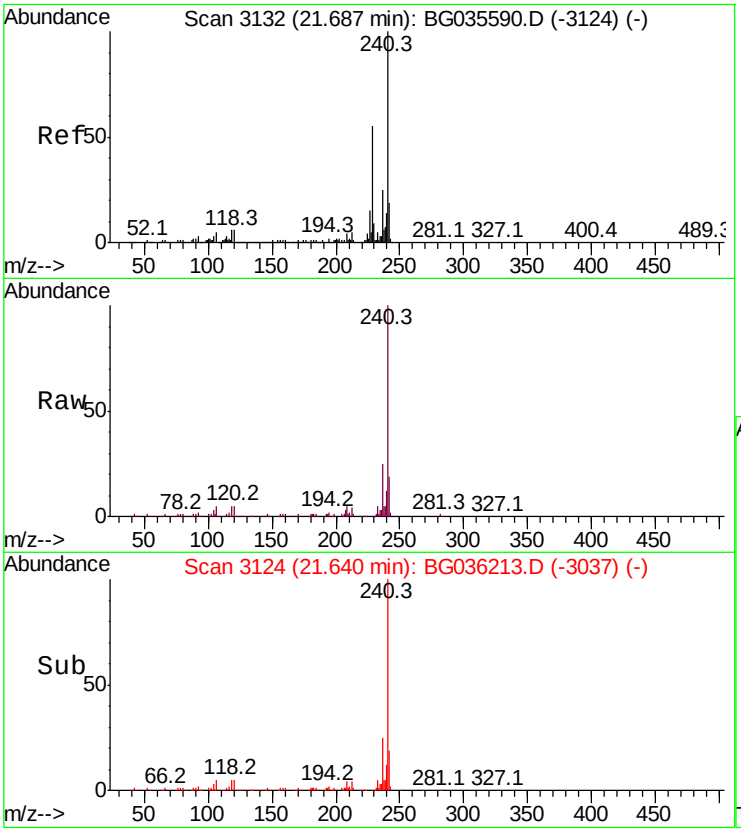




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:188 Resp: 183997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.8 | 6.9 | 10.3# |
| 80 | 6.6 | 7.7 | 11.5# |



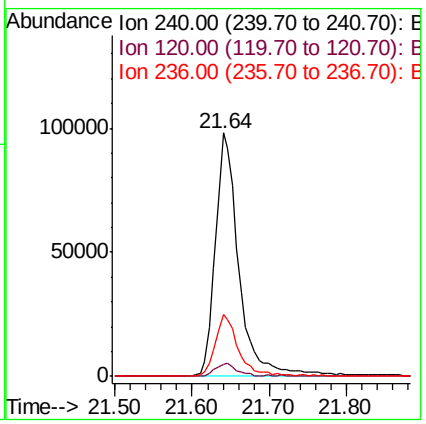


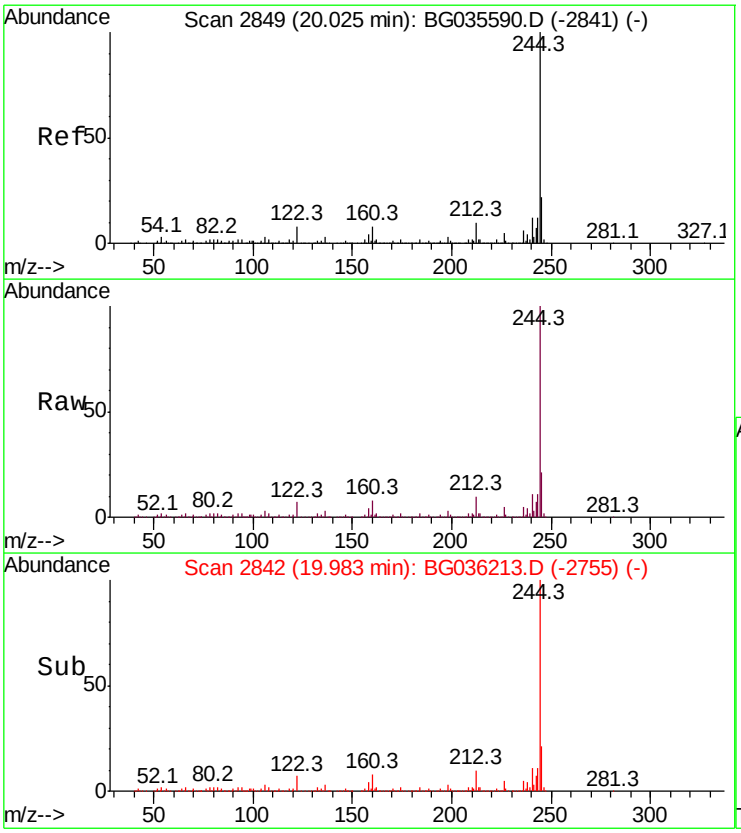

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion:240 Resp: 206444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.0 | 6.8 | 10.2# |
| 236 | 25.3 | 20.9 | 31.3 |

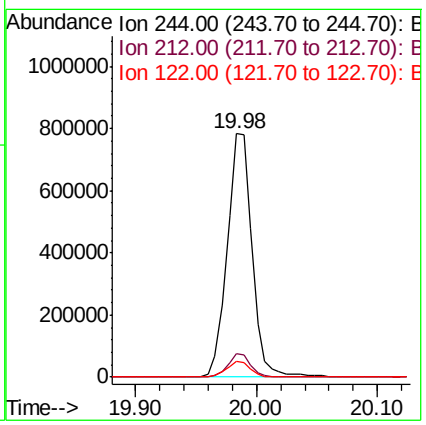


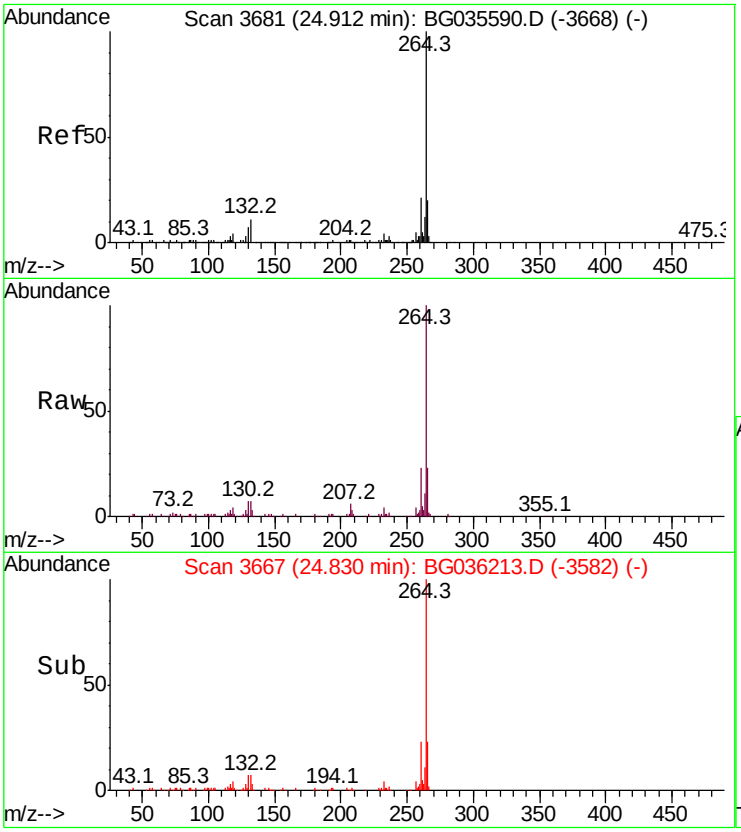




#78
Terphenyl-d14
Concen: 120.187 ng
RT: 19.98 min Scan# 2842
Delta R.T. -0.02 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

Tgt Ion:244 Resp: 1125610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.5 | 5.8 | 8.8# |
| 122 | 6.6 | 7.0 | 10.4# |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036213.D
Acq: 9 Aug 2018 1:08

**Instrument :**
BNA_G
**ClientSampleId :**
CL-02-080718-D

Tgt Ion:264 Resp: 188226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 17.4 | 26.0 |
| 265 | 23.0 | 17.7 | 26.5 |