Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121817\
Data File : BG031647.D
Acq On : 18 Dec 2017 23:21
Operator : SJ/JU
Sample : I6680-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PATERSON-02-121517

Quant Time: Dec 19 07:54:15 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 74316 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 310540 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.72 | 164 | 204263 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 17.46 | 188 | 535166 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 21.74 | 240 | 561857 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 25.01 | 264 | 487848 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 543663 | 129.67 | ng | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 654548 | 112.46 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 437592 | 86.85 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.21 | 330 | 367720 | 153.66 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 1280570 | 92.02 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.06 | 244 | 2353225 | 95.29 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 31) Naphthalene | 10.97 | 128 | 59328 | 3.889 | ng | # 94 |

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

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Sample : I6680-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Quant Time: Dec 19 07:54:15 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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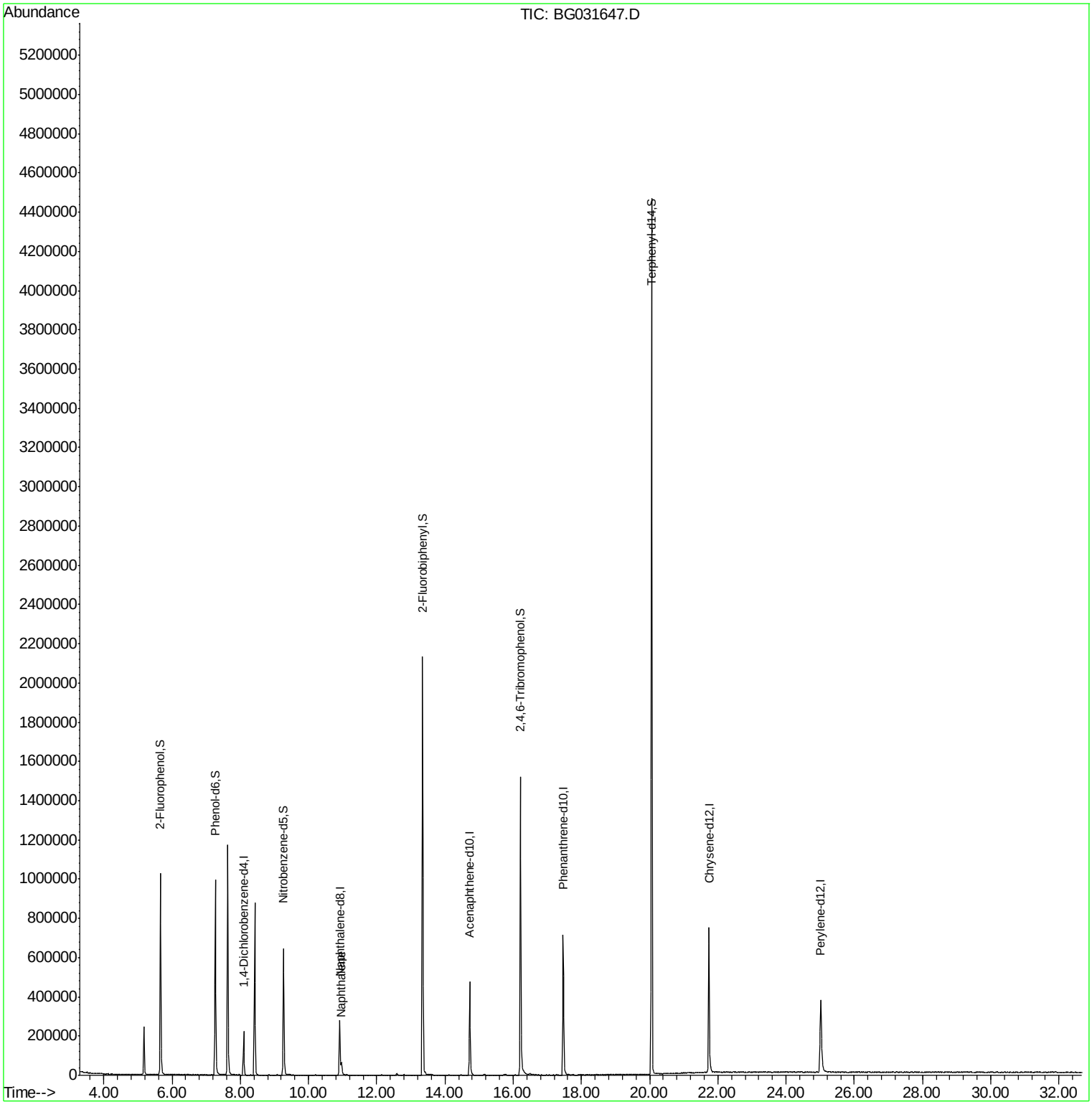
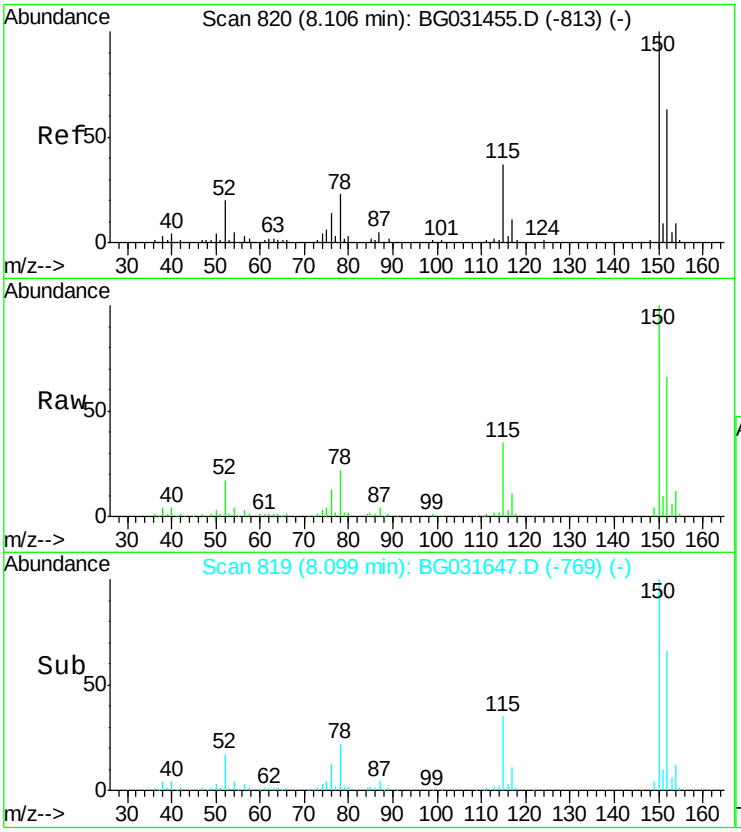


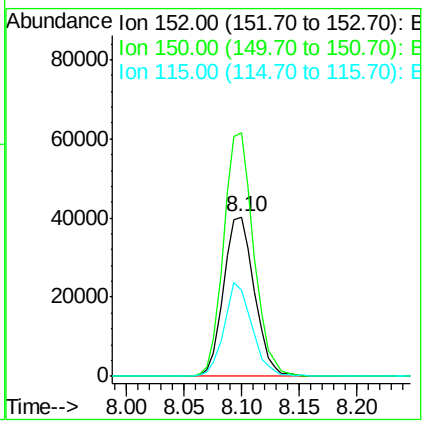


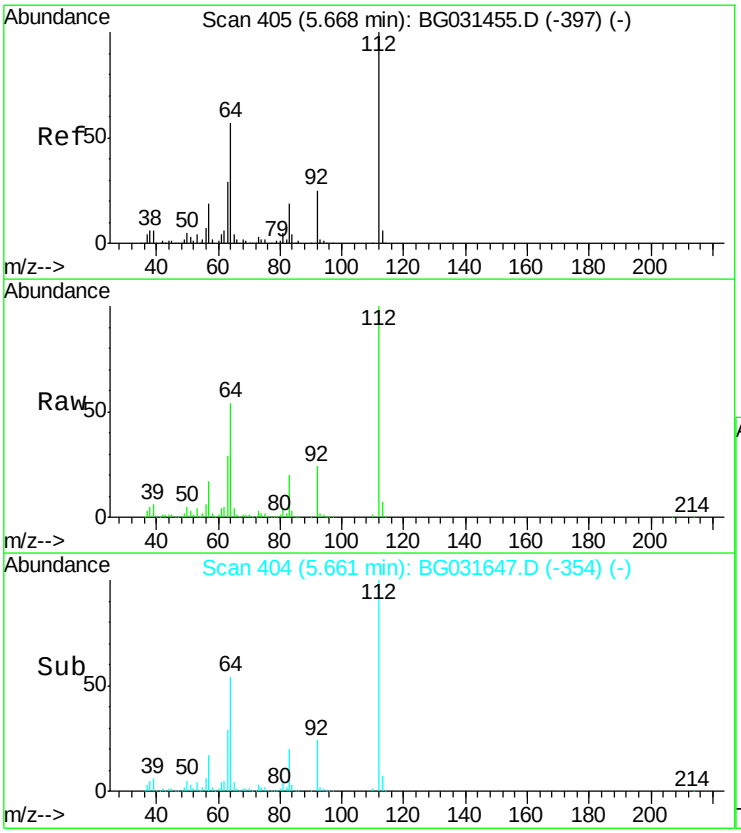

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion:152 Resp: 74316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.5 | 126.6 | 189.8 |
| 115 | 53.7 | 53.0 | 79.4 |

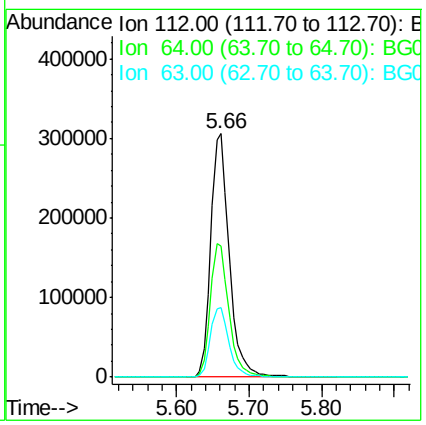


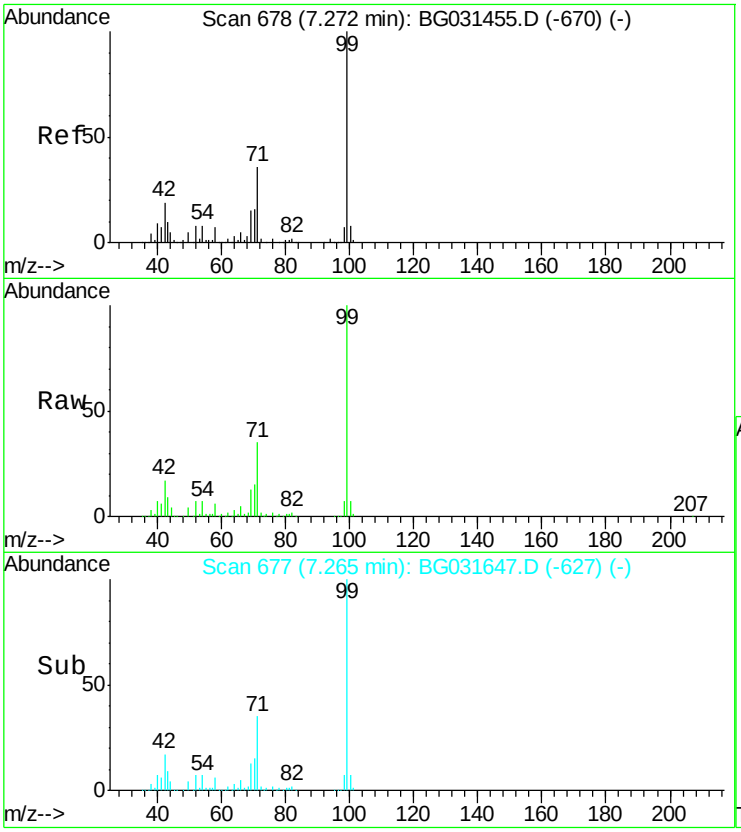




#5
2-Fluorophenol
Concen: 129.670 ng
RT: 5.66 min Scan# 404
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:112 Resp: 543663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.8 | 56.3 | 84.5# |
| 63 | 28.6 | 30.1 | 45.1# |



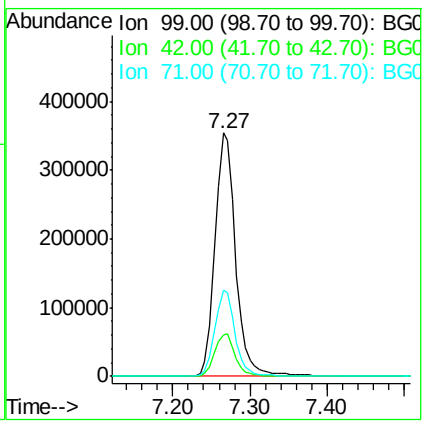


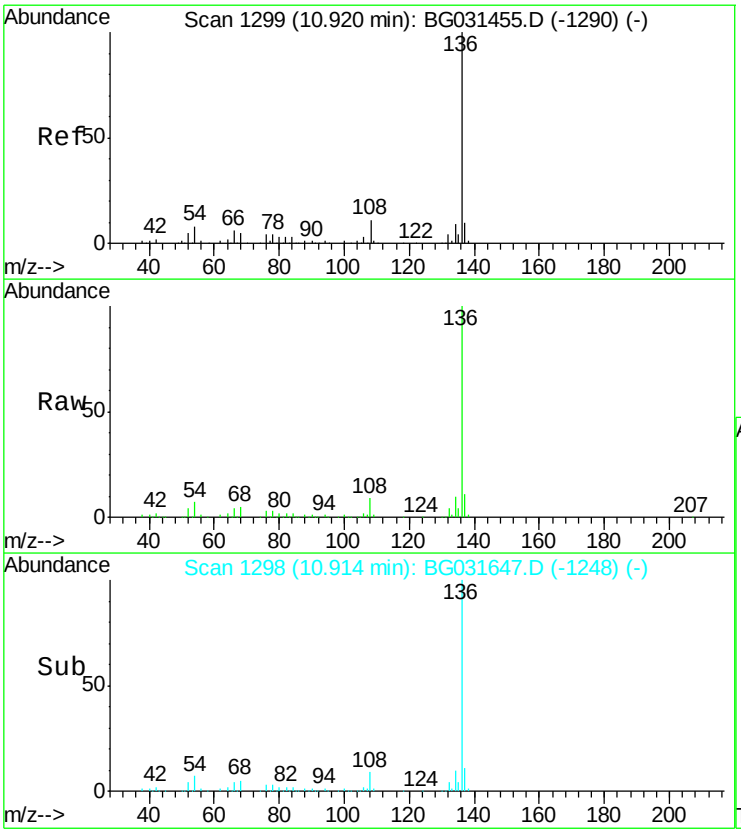

#7
Phenol-d6
Concen: 112.457 ng
RT: 7.27 min Scan# 677
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion: 99 Resp: 654548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.1 | 21.1 |
| 71 | 35.3 | 26.1 | 39.1 |

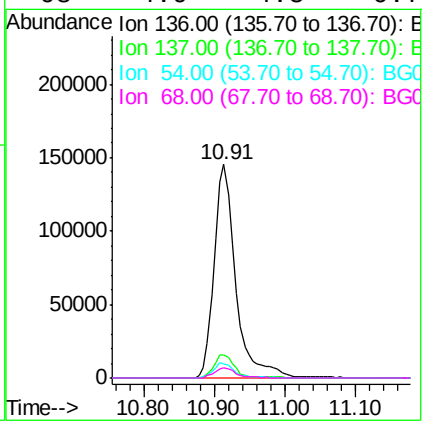


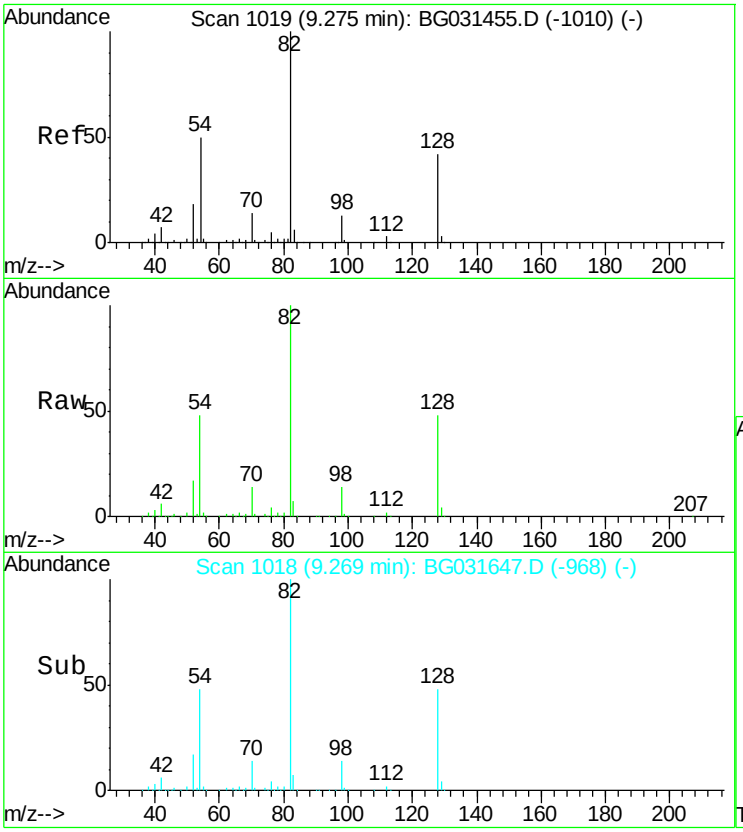




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:136 Resp: 310540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.2 | 13.8 |
| 54 | 6.9 | 10.3 | 15.5# |
| 68 | 4.9 | 4.5 | 6.7 |



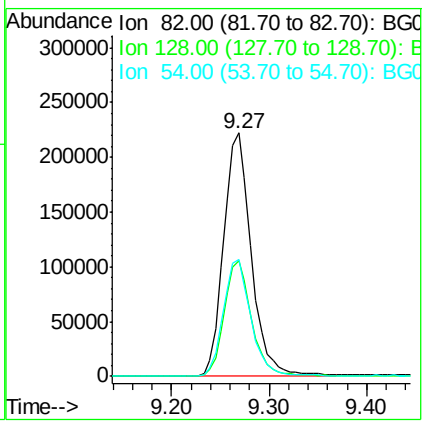


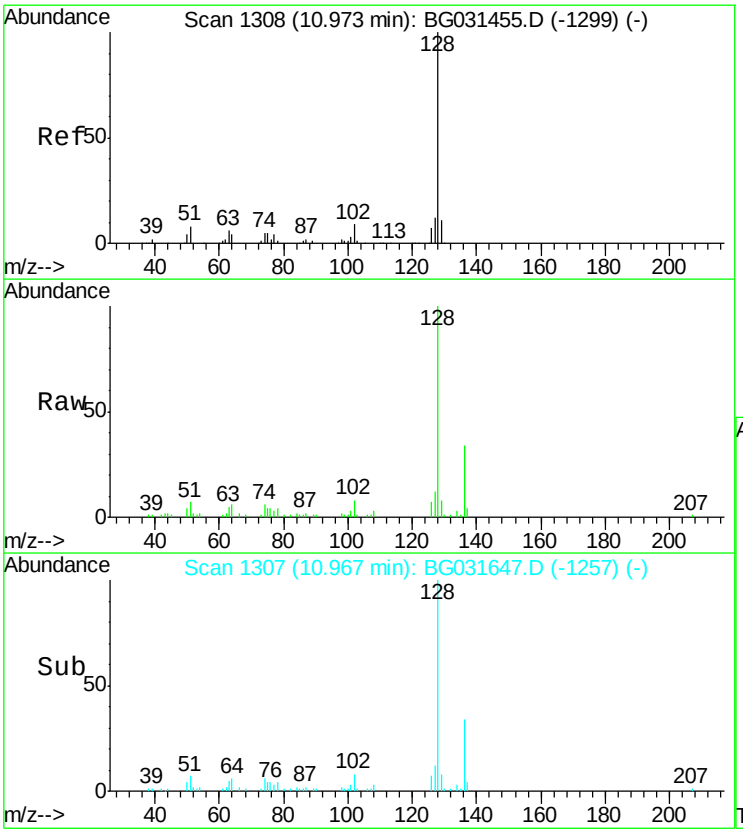

#23
Nitrobenzene-d5
Concen: 86.854 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion: 82 Resp: 437592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.7 | 29.7 | 44.5# |
| 54 | 48.0 | 43.1 | 64.7 |

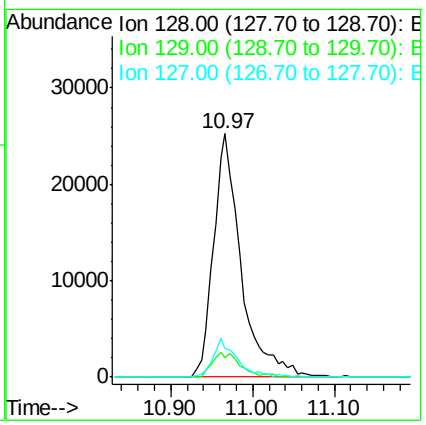


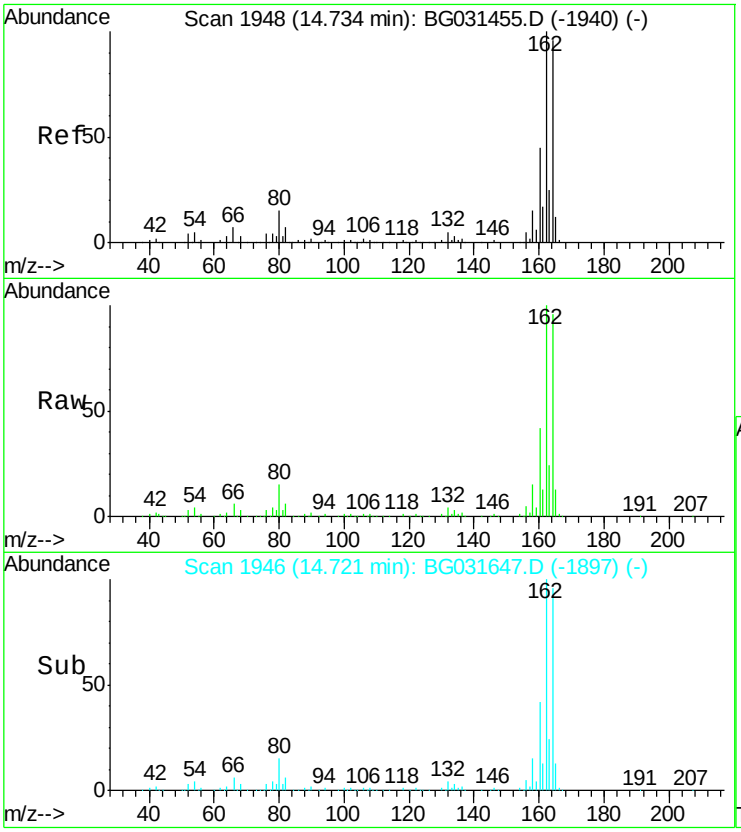




#31
Naphthalene
Concen: 3.889 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:128 Resp: 59328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 8.2 | 8.6 | 12.8# |
| 127 | 11.9 | 11.6 | 17.4 |



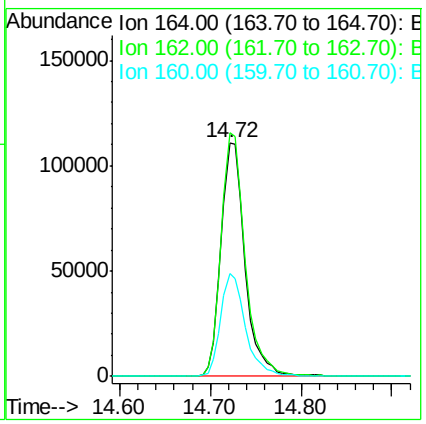


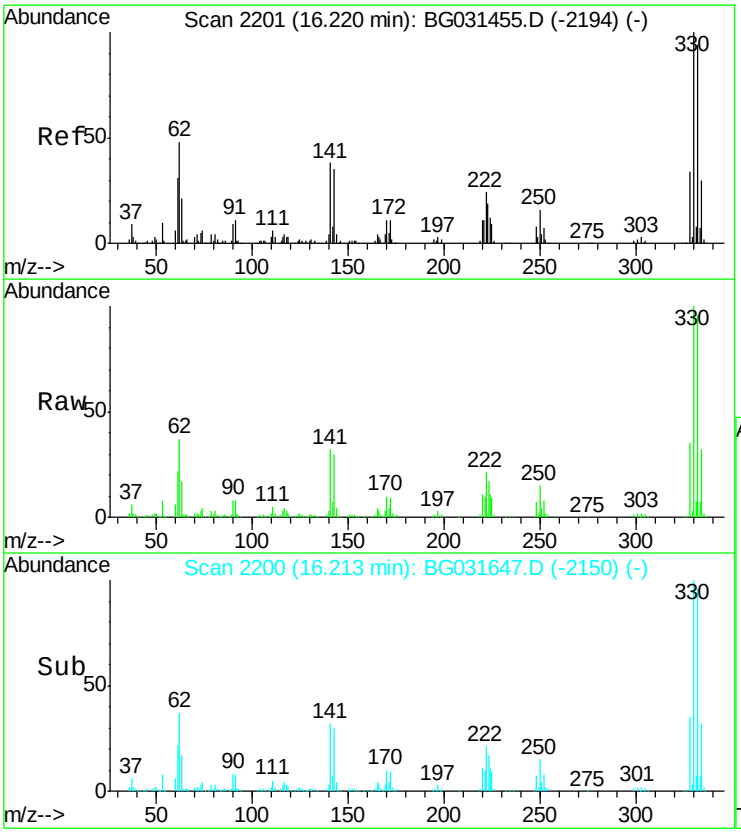

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion:164 Resp: 204263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 78.8 | 118.2 |
| 160 | 44.0 | 35.4 | 53.0 |

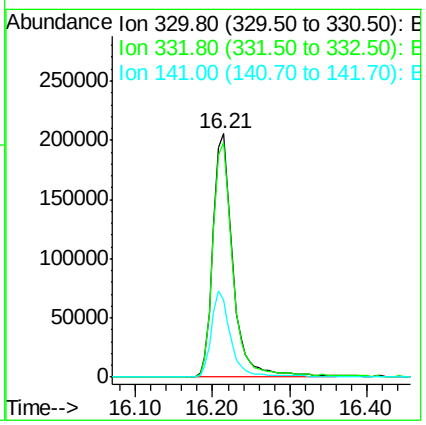


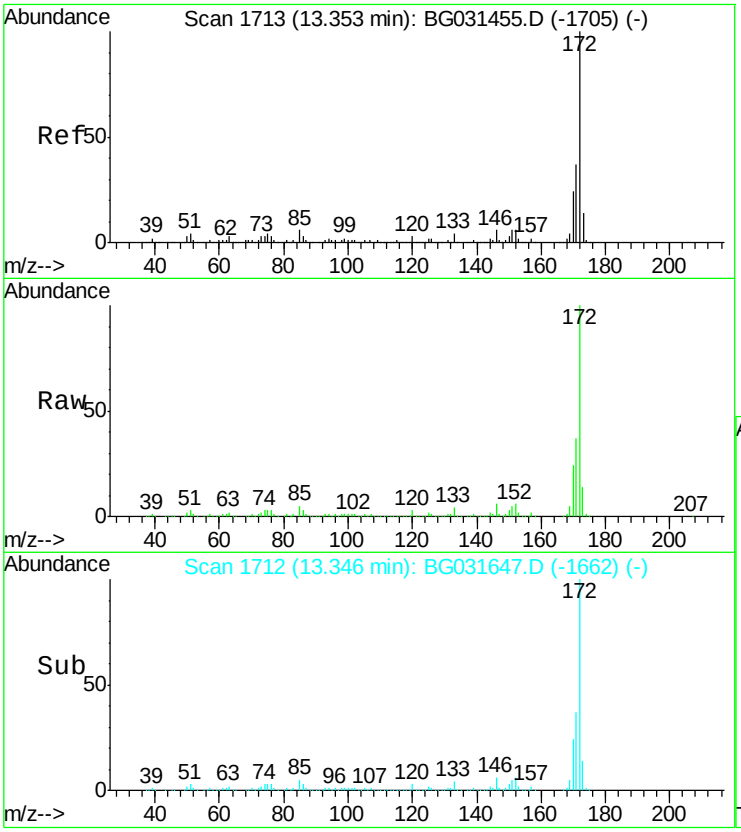




#41
2,4,6-Tribromophenol
Concen: 153.663 ng
RT: 16.21 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:330 Resp: 367720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.0 | 115.6 |
| 141 | 33.5 | 25.2 | 37.8 |



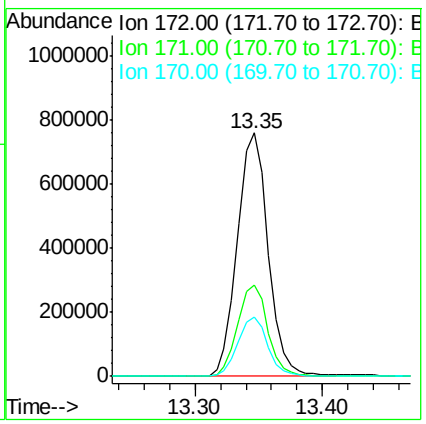


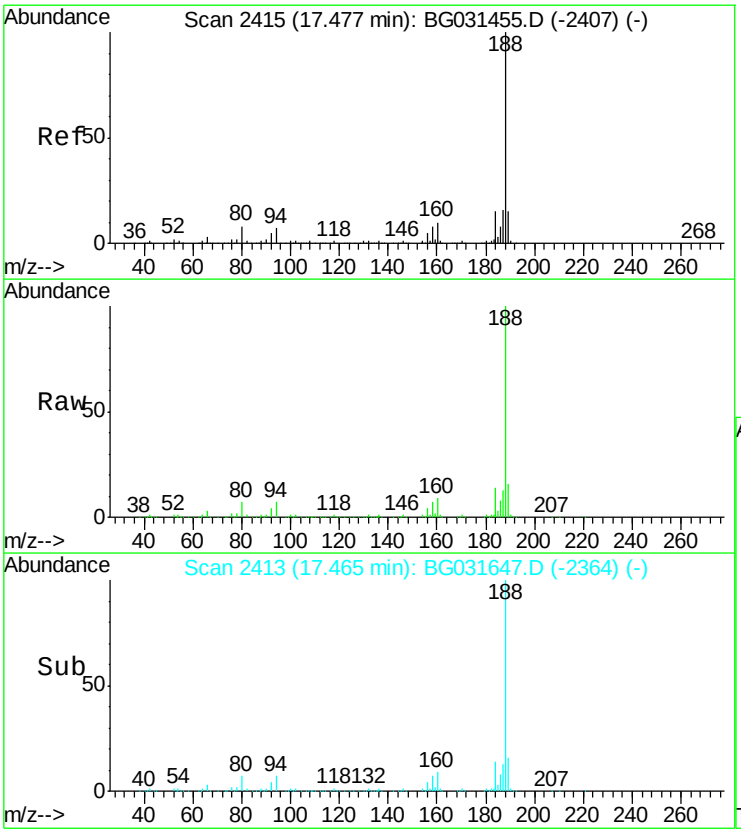

#44
2-Fluorobiphenyl
Concen: 92.024 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion:172 Resp: 1280570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.4 | 30.0 | 45.0 |
| 170 | 24.4 | 19.5 | 29.3 |

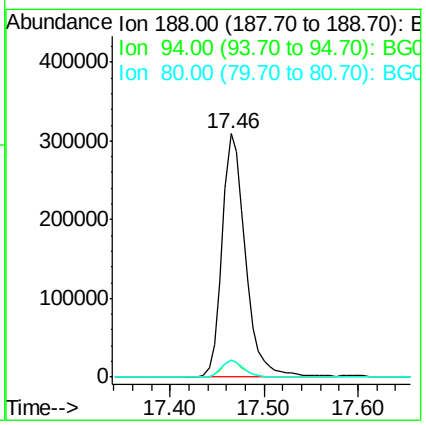


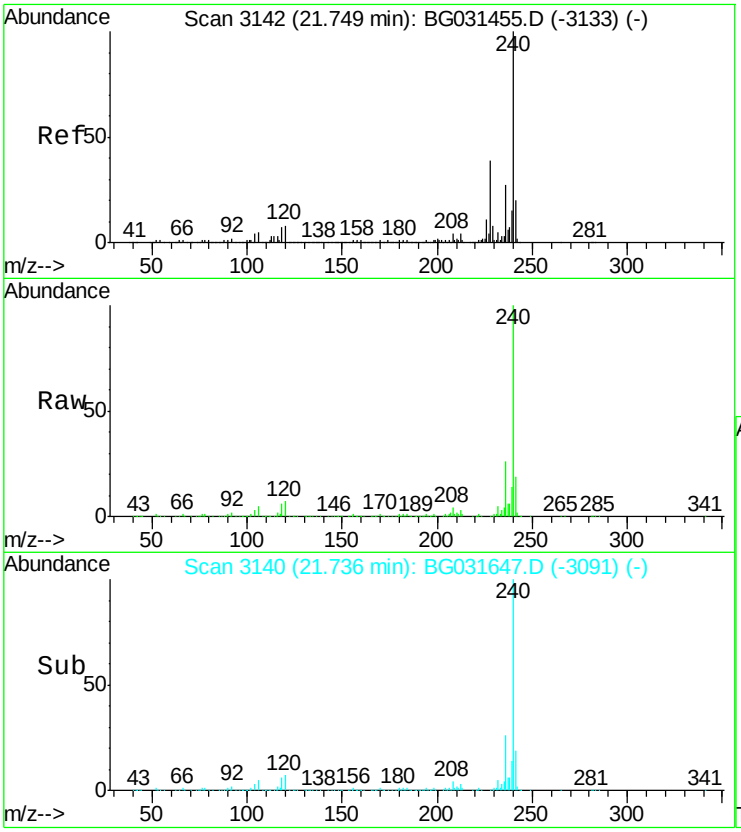




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:188 Resp: 535166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 6.9 | 10.3 |
| 80 | 7.0 | 7.7 | 11.5# |



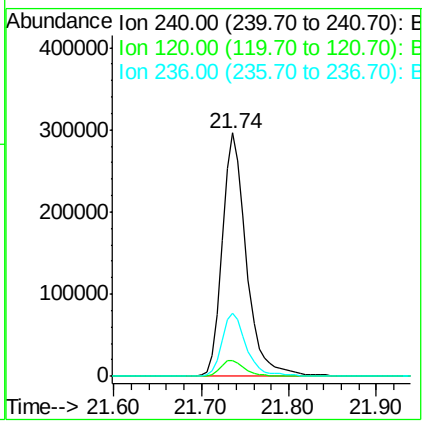


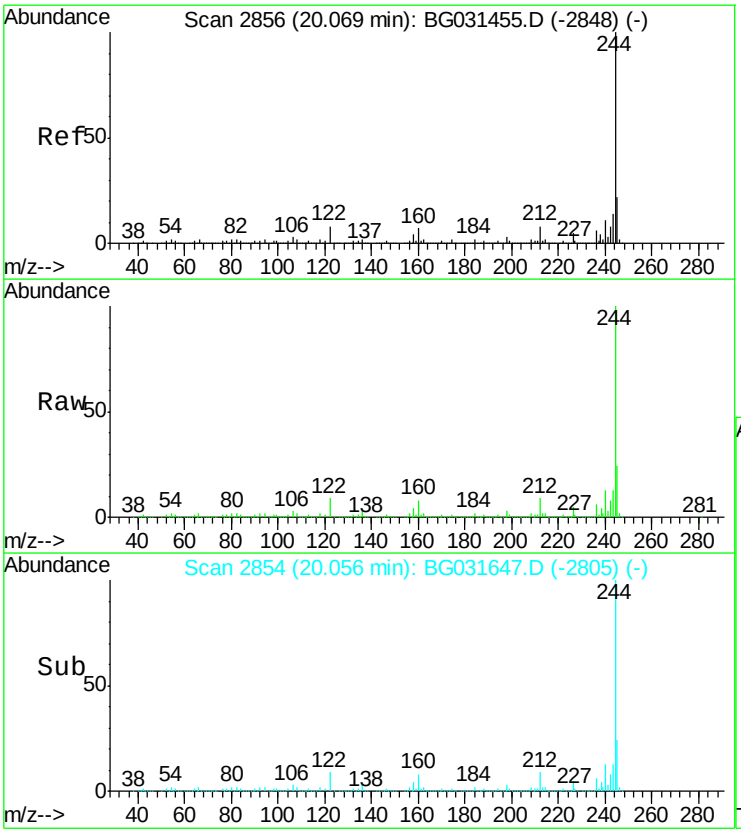

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion:240 Resp: 561857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.7 | 6.8 | 10.2# |
| 236 | 25.9 | 20.9 | 31.3 |

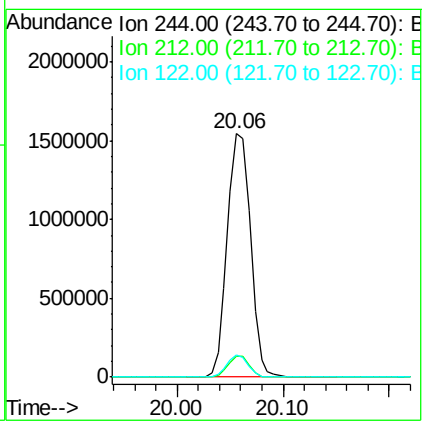


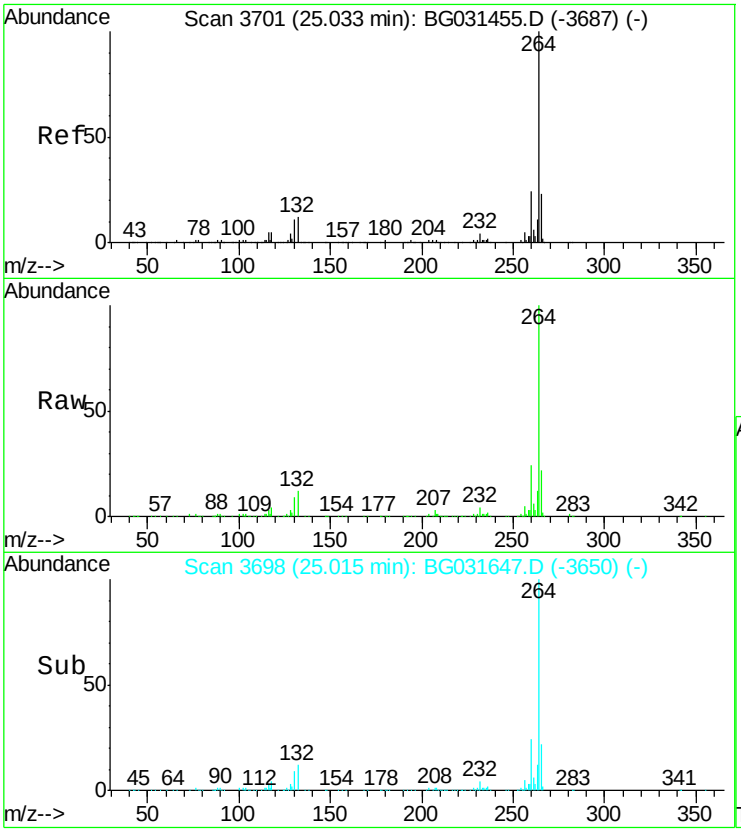




#78
Terphenyl-d14
Concen: 95.291 ng
RT: 20.06 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:244 Resp: 2353225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.8 | 5.8 | 8.8 |
| 122 | 8.9 | 7.0 | 10.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3698
Delta R.T. -0.02 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

**Instrument :**
BNA_G
**ClientSampleId :**
PATERSON-02-121517

Tgt Ion:264 Resp: 487848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 17.4 | 26.0 |
| 265 | 21.6 | 17.7 | 26.5 |