Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG091317\
Data File : BG028726.D
Acq On : 14 Sep 2017 10:42
Operator : SJ/JU
Sample : I5208-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Sep 14 11:38:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.33 | 152 | 20649 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.15 | 136 | 82426 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.94 | 164 | 67920 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.69 | 188 | 240842 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.02 | 240 | 283643 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.52 | 264 | 288317 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.90 | 112 | 123738 | 98.88 | ng | | 0.00 |
| 7) Phenol-d6 | 7.48 | 99 | 159499 | 84.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.50 | 82 | 113190 | 65.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.43 | 330 | 151394 | 134.77 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.56 | 172 | 317255 | 62.28 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.28 | 244 | 949406 | 71.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 11.20 | 128 | 10223 | 2.375 | ng | | 99 |
| 32) Benzoic acid | 10.67 | 122 | 56 | 6.132 | ng | # | 1 |
| 53) 2,4-Dinitrophenol | 14.85 | 184 | 70 | 8.096 | ng | # | 15 |
| 76) Benzidine | 19.91 | 184 | 66274 | 9.010 | ng | | 94 |

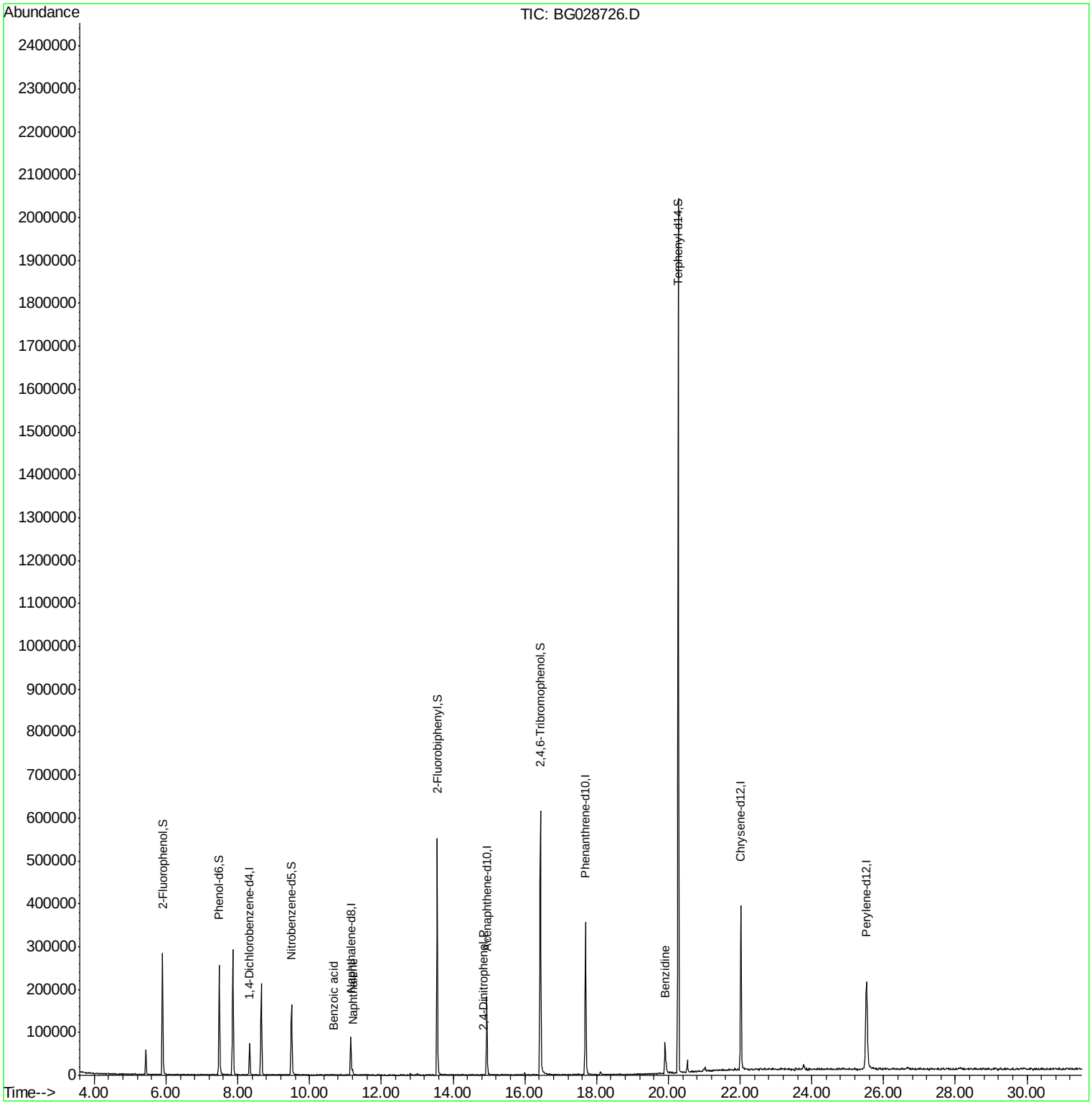
(#) = qualifier out of range (m) = manual integration (+) = signals summed

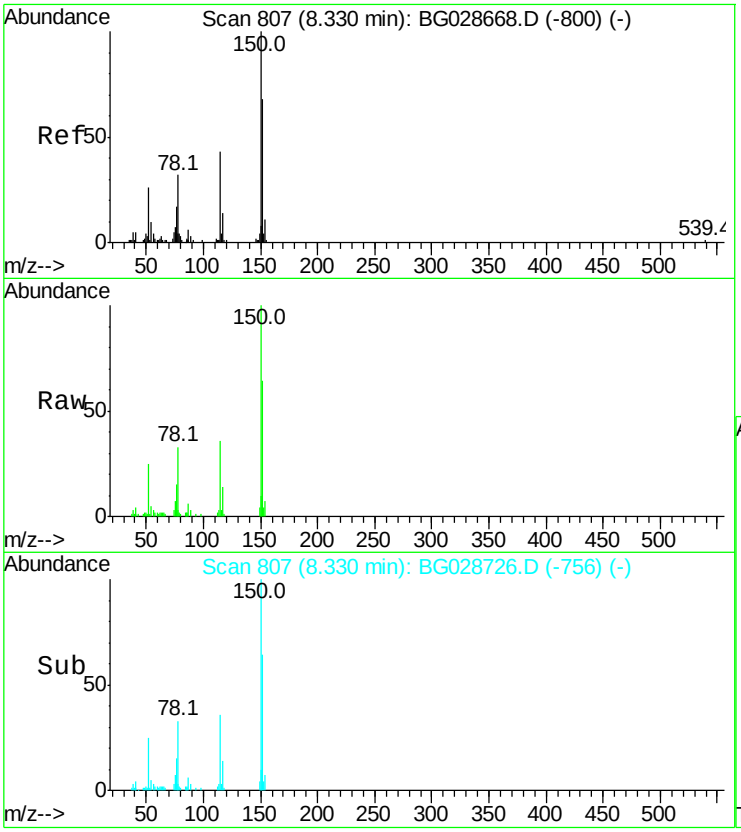
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG091317\
Data File : BG028726.D
Acq On : 14 Sep 2017 10:42
Operator : SJ/JU
Sample : I5208-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Sep 14 11:38:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration



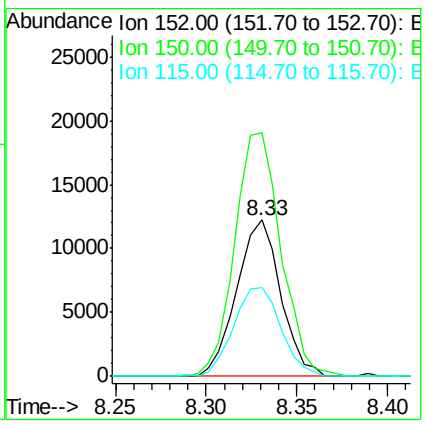


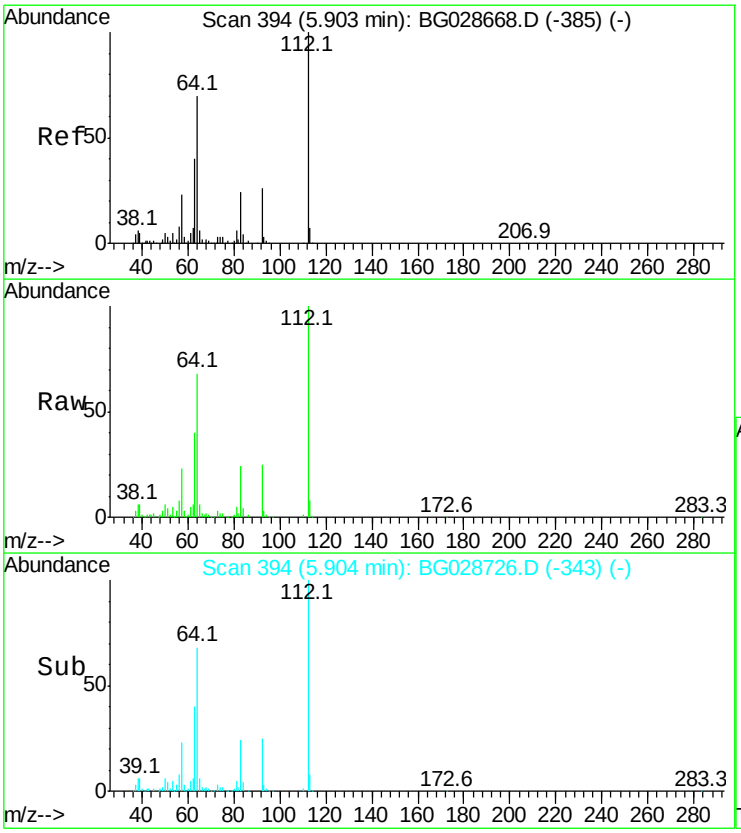

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:152 Resp: 20649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 114.0 | 171.0 |
| 115 | 56.6 | 48.1 | 72.1 |

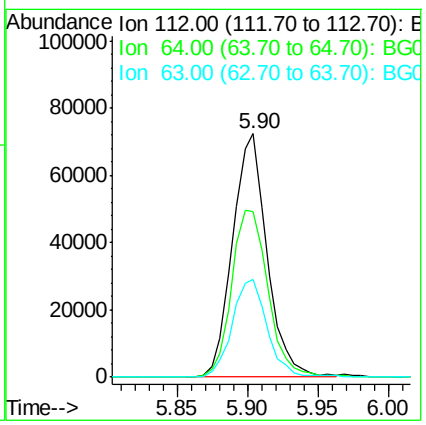


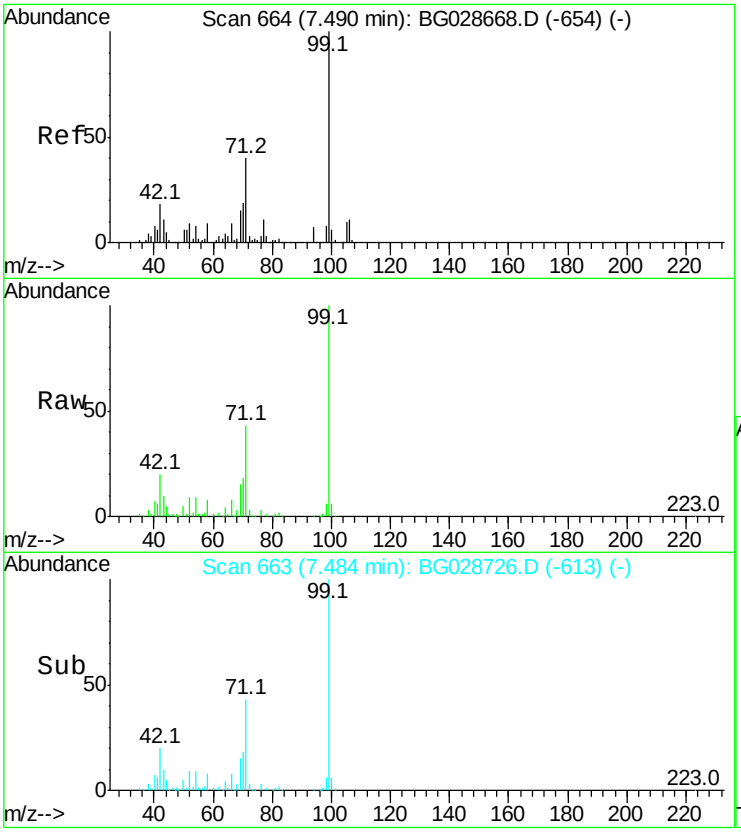




#5
2-Fluorophenol
Concen: 98.878 ng
RT: 5.90 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:112 Resp: 123738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.0 | 61.8 | 92.6 |
| 63 | 40.1 | 37.2 | 55.8 |



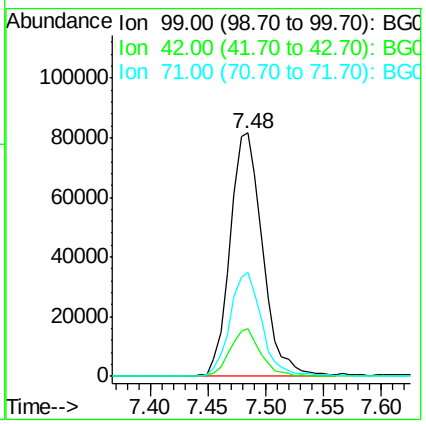


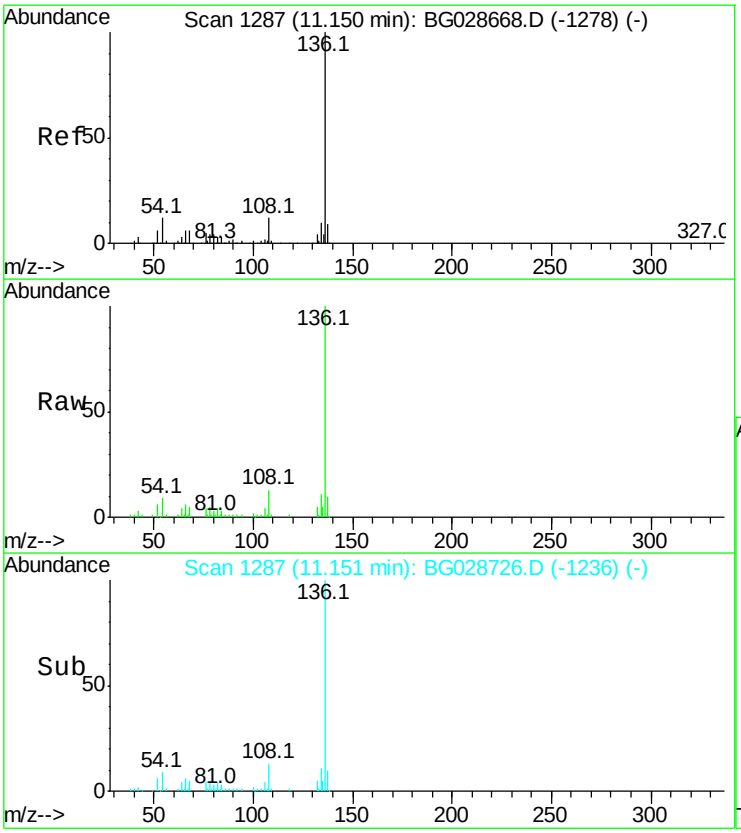

#7
Phenol-d6
Concen: 84.653 ng
RT: 7.48 min Scan# 663
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion: 99 Resp: 159499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.5 | 20.5 | 30.7# |
| 71 | 42.8 | 37.6 | 56.4 |

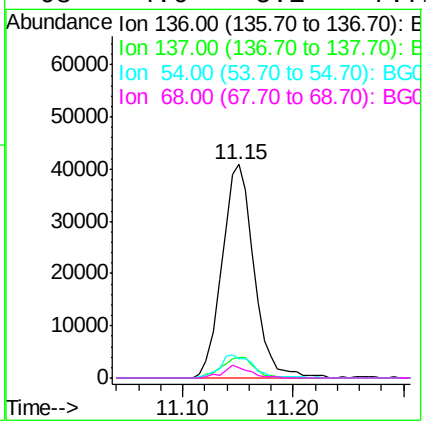


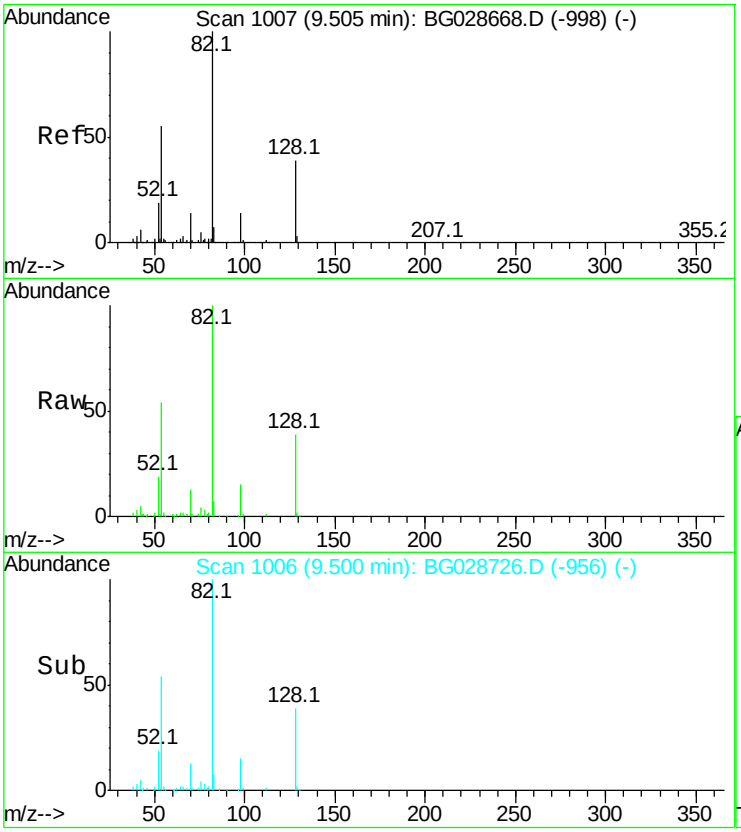




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.15 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:136 Resp: 82426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.9 | 8.9 | 13.3 |
| 54 | 9.1 | 9.3 | 13.9# |
| 68 | 4.6 | 5.1 | 7.7# |



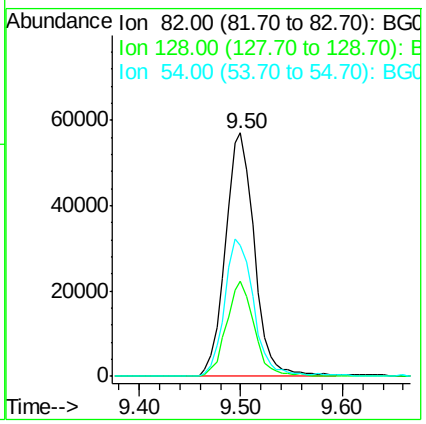


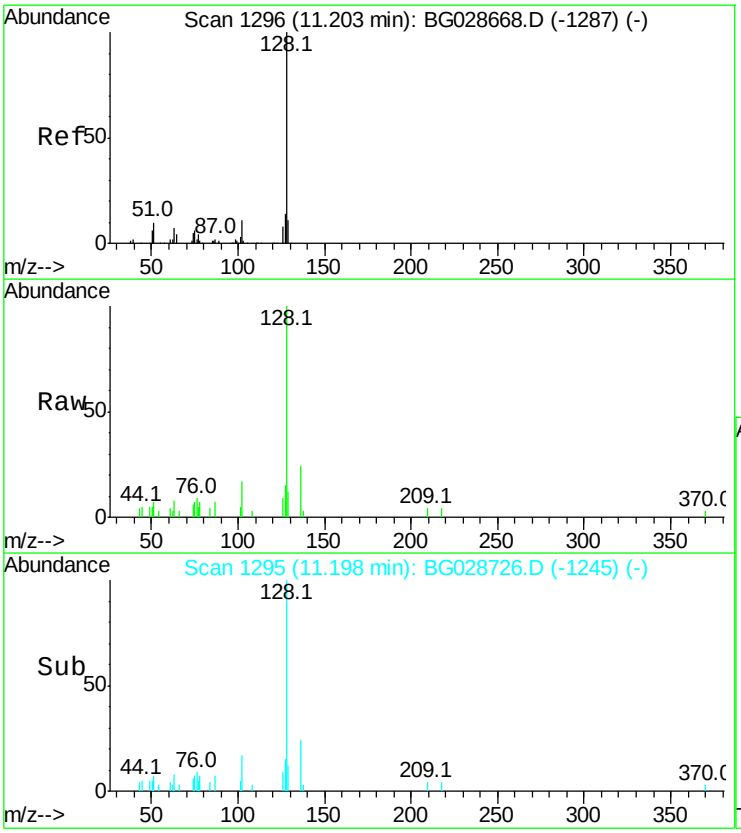

#23
Nitrobenzene-d5
Concen: 65.692 ng
RT: 9.50 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion: 82 Resp: 113190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.8 | 26.4 | 39.6 |
| 54 | 53.8 | 49.4 | 74.2 |

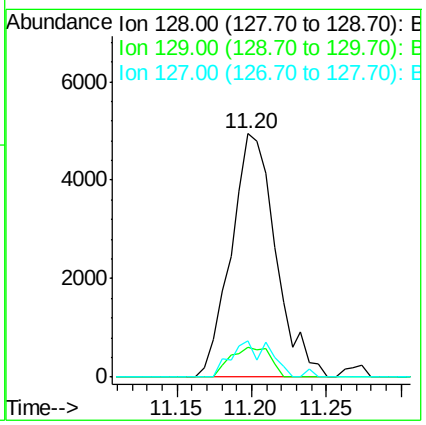


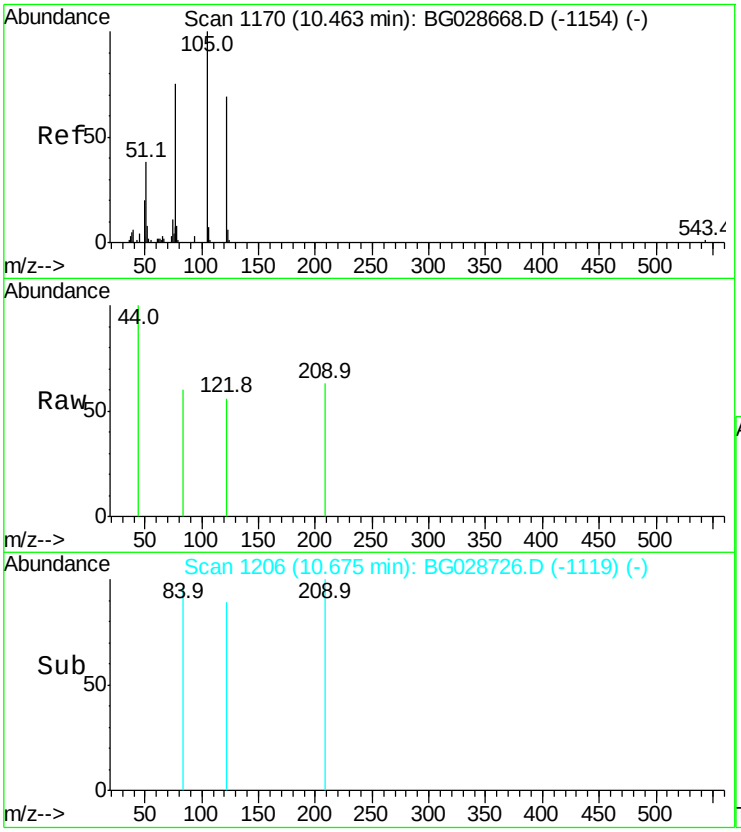




#31
Naphthalene
Concen: 2.375 ng
RT: 11.20 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:128 Resp: 10223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.2 | 9.3 | 13.9 |
| 127 | 14.8 | 11.4 | 17.0 |



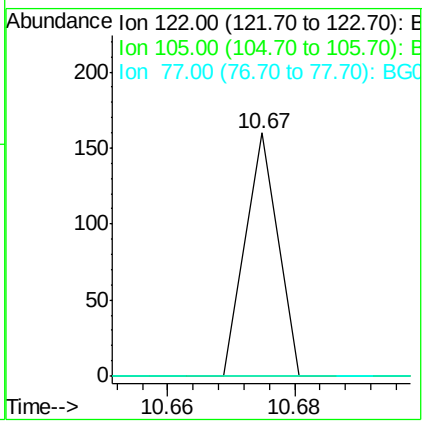


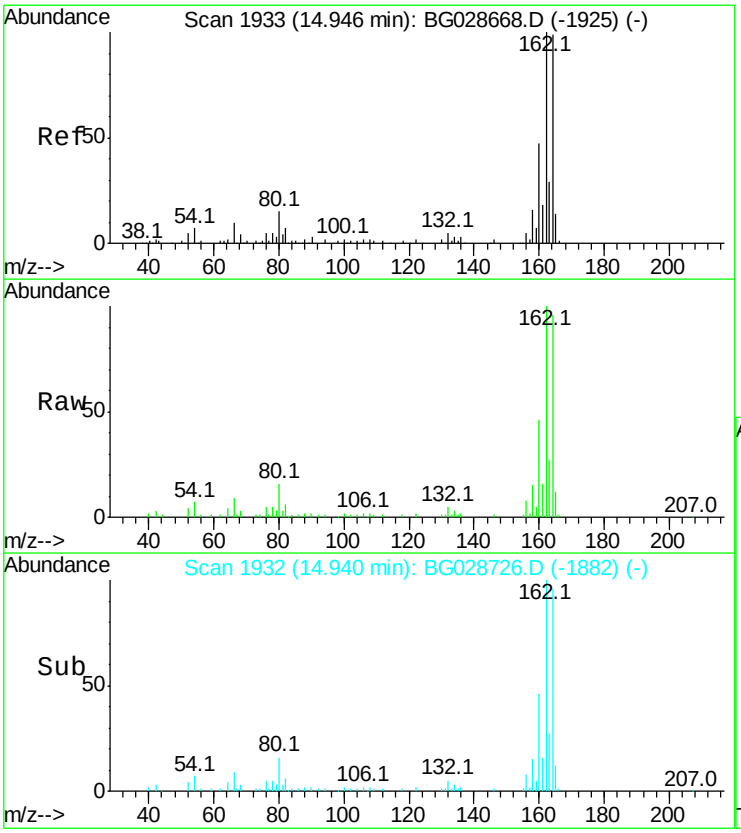

#32
Benzoic acid
Concen: 6.132 ng
RT: 10.67 min Scan# 1206
Delta R.T. 0.21 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:122 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 120.1 | 160.1# |
| 77 | 0.0 | 104.6 | 144.6# |

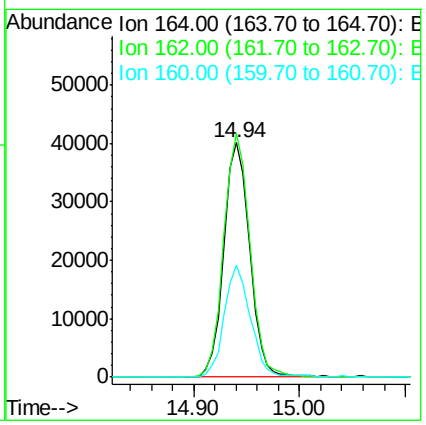


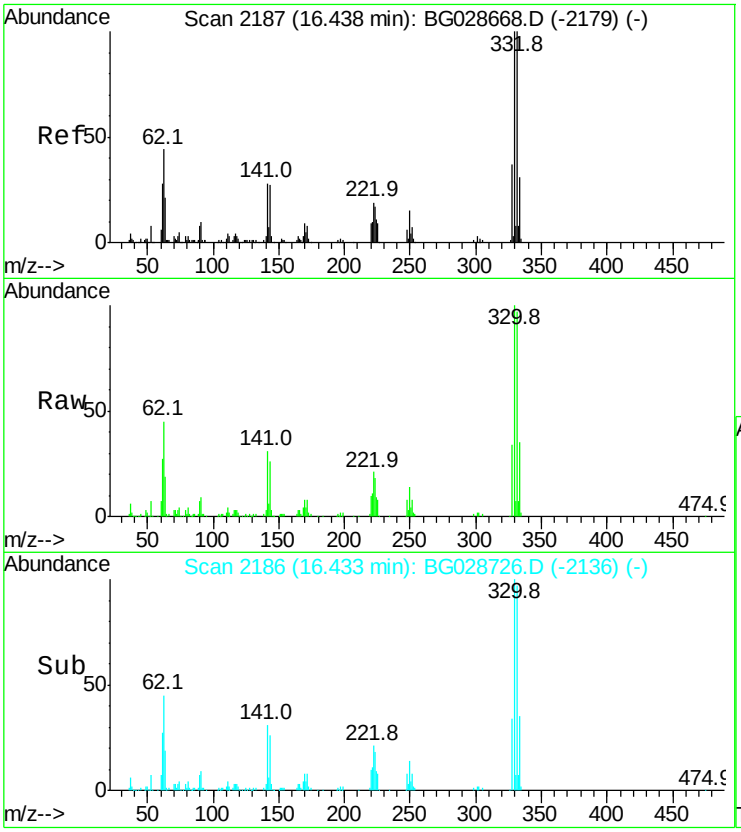




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.94 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:164 Resp: 67920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 85.1 | 127.7 |
| 160 | 47.9 | 34.7 | 52.1 |



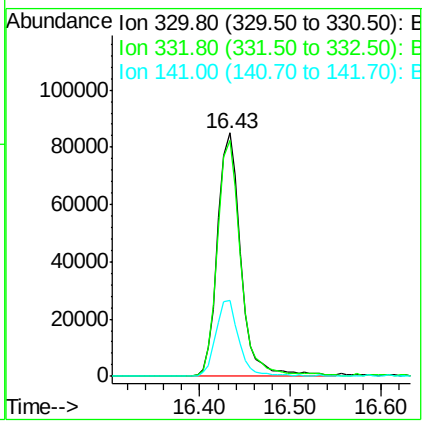


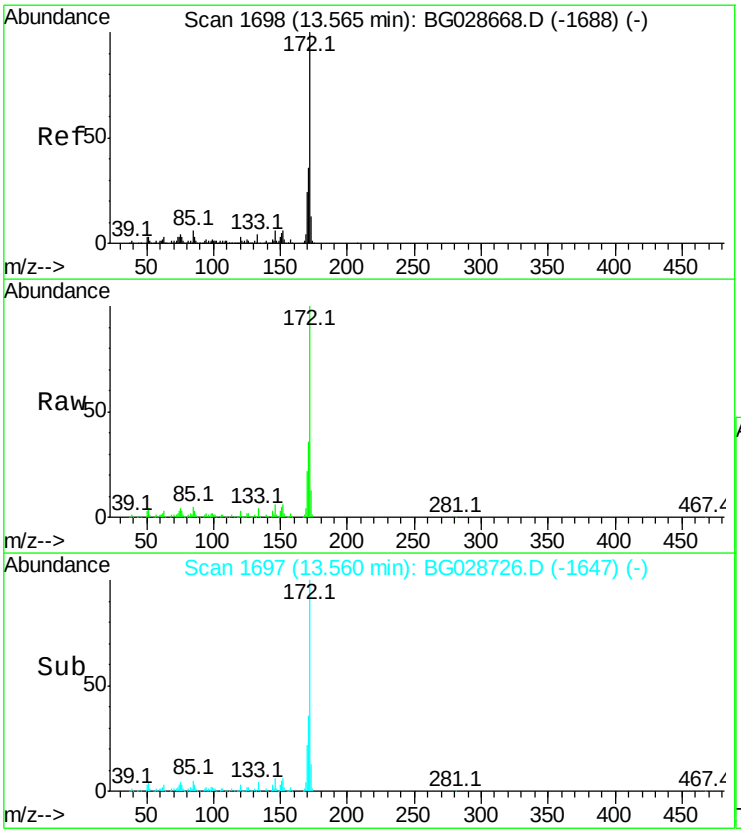

#41
2,4,6-Tribromophenol
Concen: 134.769 ng
RT: 16.43 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:330 Resp: 151394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.3 | 115.9 |
| 141 | 31.0 | 32.1 | 48.1# |

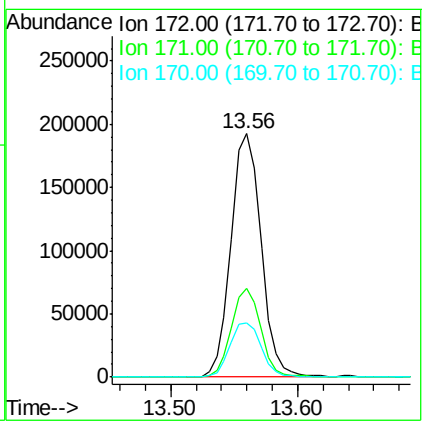


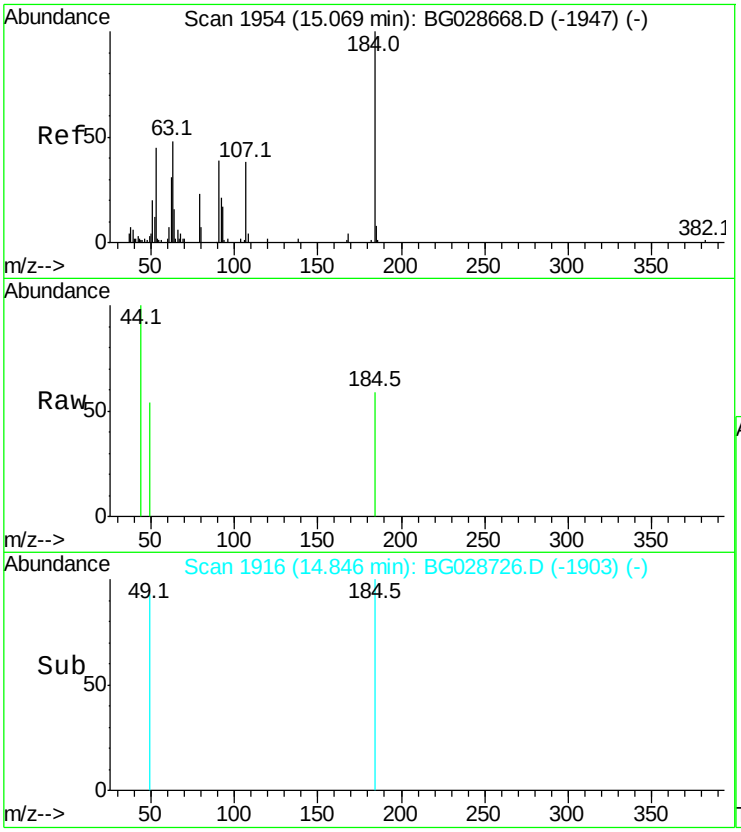




#44
2-Fluorobiphenyl
Concen: 62.284 ng
RT: 13.56 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:172 Resp: 317255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 32.2 | 48.2 |
| 170 | 22.3 | 21.8 | 32.6 |



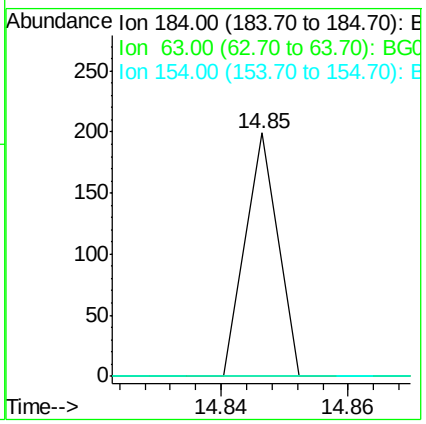


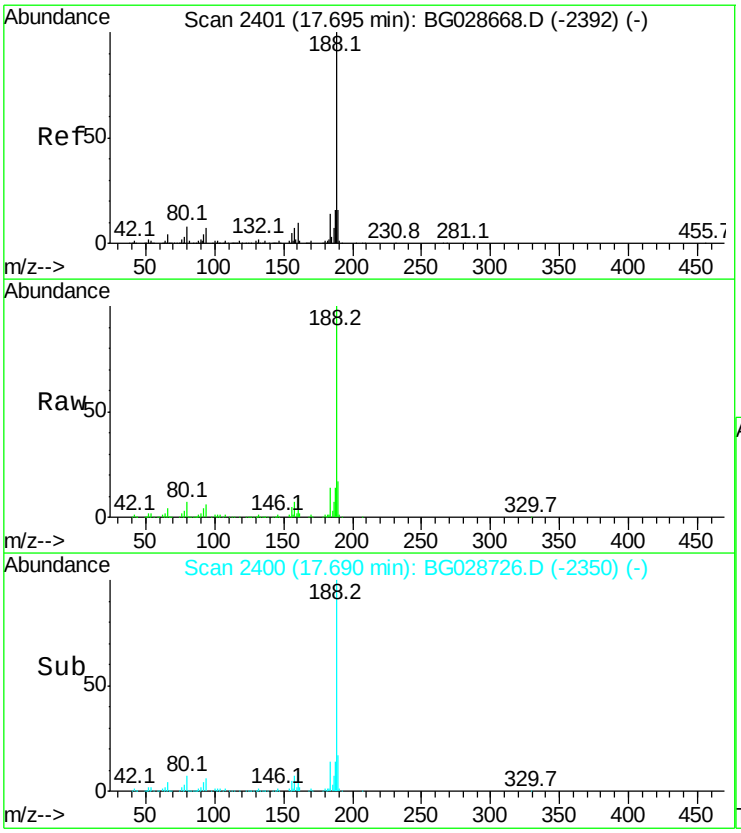

#53
2,4-Dinitrophenol
Concen: 8.096 ng
RT: 14.85 min Scan# 1916
Delta R.T. -0.22 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:184 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 52.7 | 79.1# |
| 154 | 0.0 | 57.3 | 85.9# |

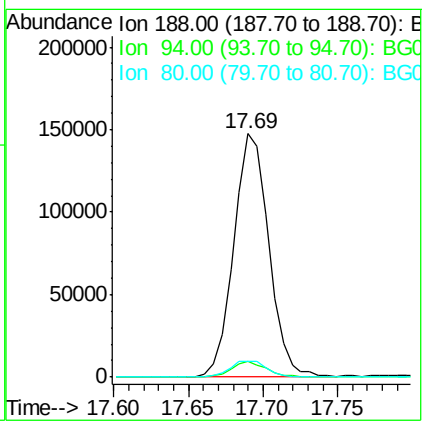


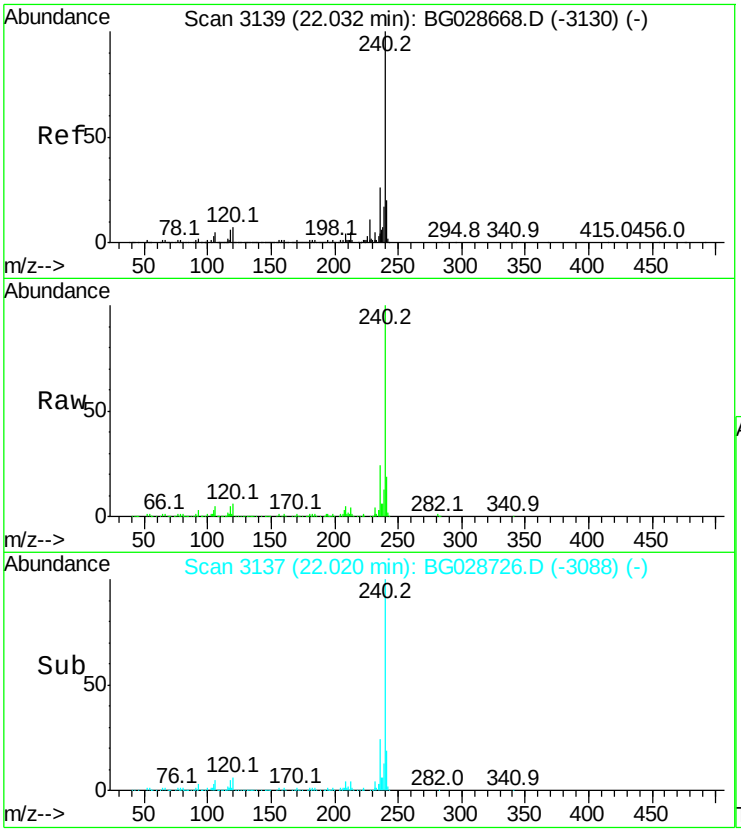




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.69 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:188 Resp: 240842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.4 | 5.8 | 8.8 |
| 80 | 6.7 | 7.5 | 11.3# |



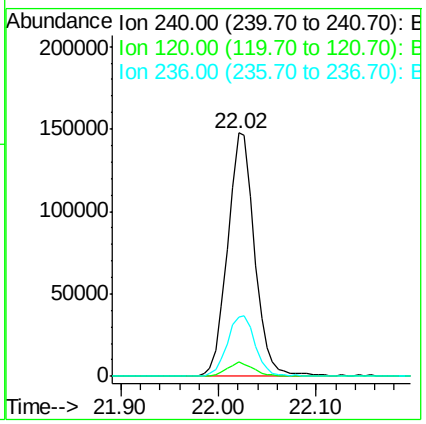


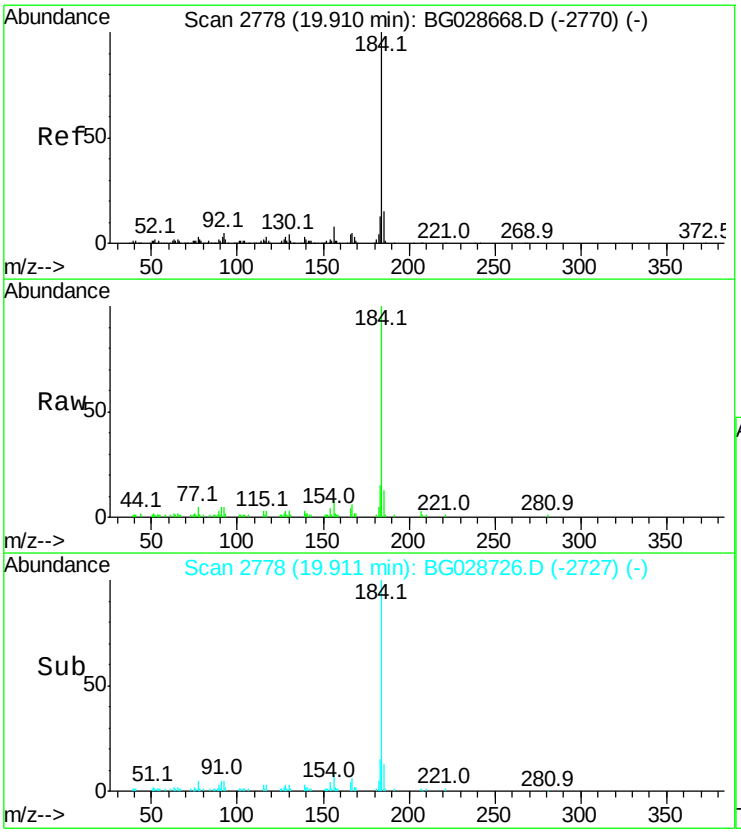

#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.02 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:240 Resp: 283643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.2 | 5.7 | 8.5 |
| 236 | 24.3 | 22.2 | 33.4 |

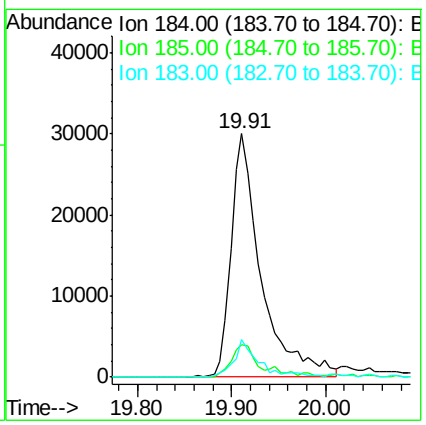


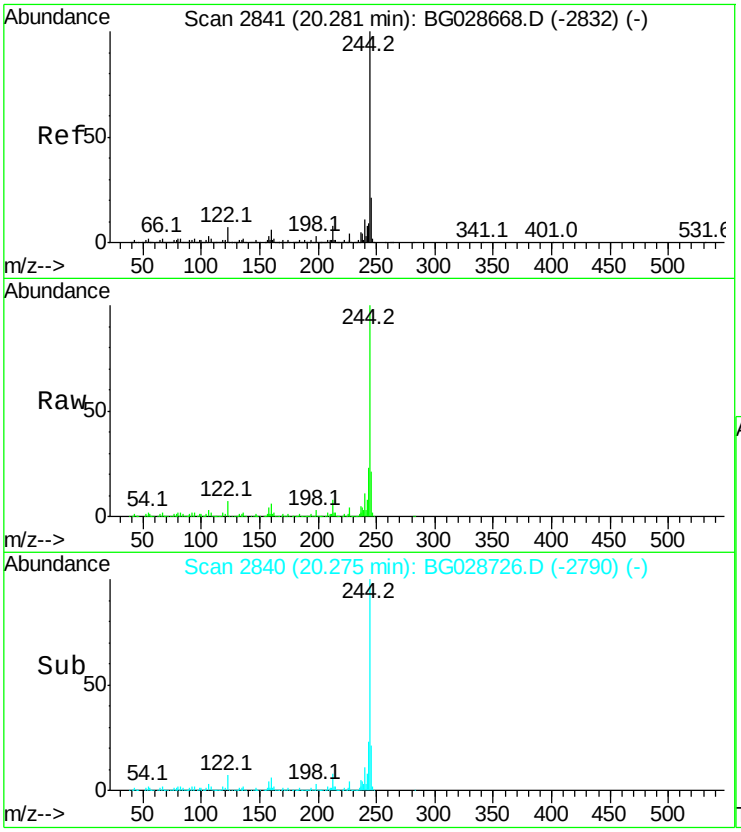




#76
Benzidine
Concen: 9.010 ng
RT: 19.91 min Scan# 2778
Delta R.T. 0.00 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:184 Resp: 66274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.2 | 13.0 | 19.6 |
| 183 | 15.5 | 11.0 | 16.6 |



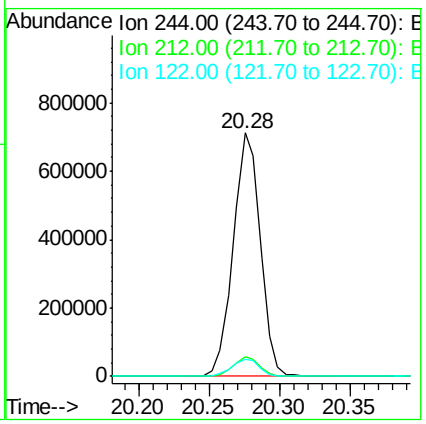


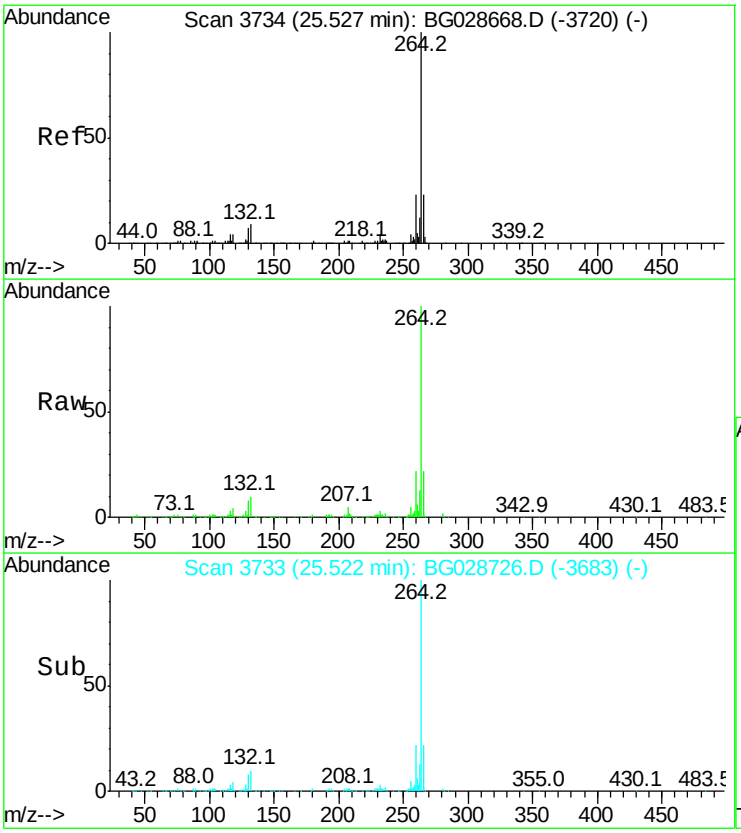

#78
Terphenyl-d14
Concen: 71.381 ng
RT: 20.28 min Scan# 2840
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

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

Tgt Ion:244 Resp: 949406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 10.0 | 15.0# |
| 122 | 7.2 | 8.6 | 12.8# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.52 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG028726.D
Acq: 14 Sep 2017 10:42

Tgt Ion:264 Resp: 288317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 21.8 | 32.8 |
| 265 | 21.6 | 18.2 | 27.4 |