Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG022818\
Data File : BG032909.D
Acq On : 1 Mar 2018 5:56
Operator : SJ/JU
Sample : J1710-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Mar 01 07:42:45 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.92 | 152 | 70359 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.81 | 136 | 305833 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 15.54 | 164 | 171929 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 18.26 | 188 | 384073 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 22.61 | 240 | 344513 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 26.43 | 264 | 346444 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 6.34 | 112 | 614681 | 139.77 | ng | 0.00 |
| 7) Phenol-d6 | 8.02 | 99 | 750971 | 122.51 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 10.12 | 82 | 514500 | 113.04 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.00 | 330 | 263327 | 145.66 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 14.17 | 172 | 1135748 | 95.27 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.78 | 244 | 1568354 | 102.28 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 10.12 | 70 | 66567 | 15.382 | ng | # 84 |
| 24) Nitrobenzene | 10.12 | 77 | 1599 | 6.665 | ng | # 30 |
| 47) 2-Nitroaniline | 14.16 | 65 | 1945 | 10.382 | ng | # 8 |
| 50) 2,6-Dinitrotoluene | 15.53 | 165 | 21742 | 16.228 | ng | # 20 |
| 56) 2,4-Dinitrotoluene | 15.53 | 165 | 21742 | 14.425 | ng | # 18 |
| 64) 4,6-Dinitro-2-methylphenol | 17.00 | 198 | 740 | 5.767 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 17.00 | 248 | 19173 | 4.721 | ng | # 1 |
| 76) Benzidine | 20.41 | 184 | 82075 | 6.989 | ng | 96 |

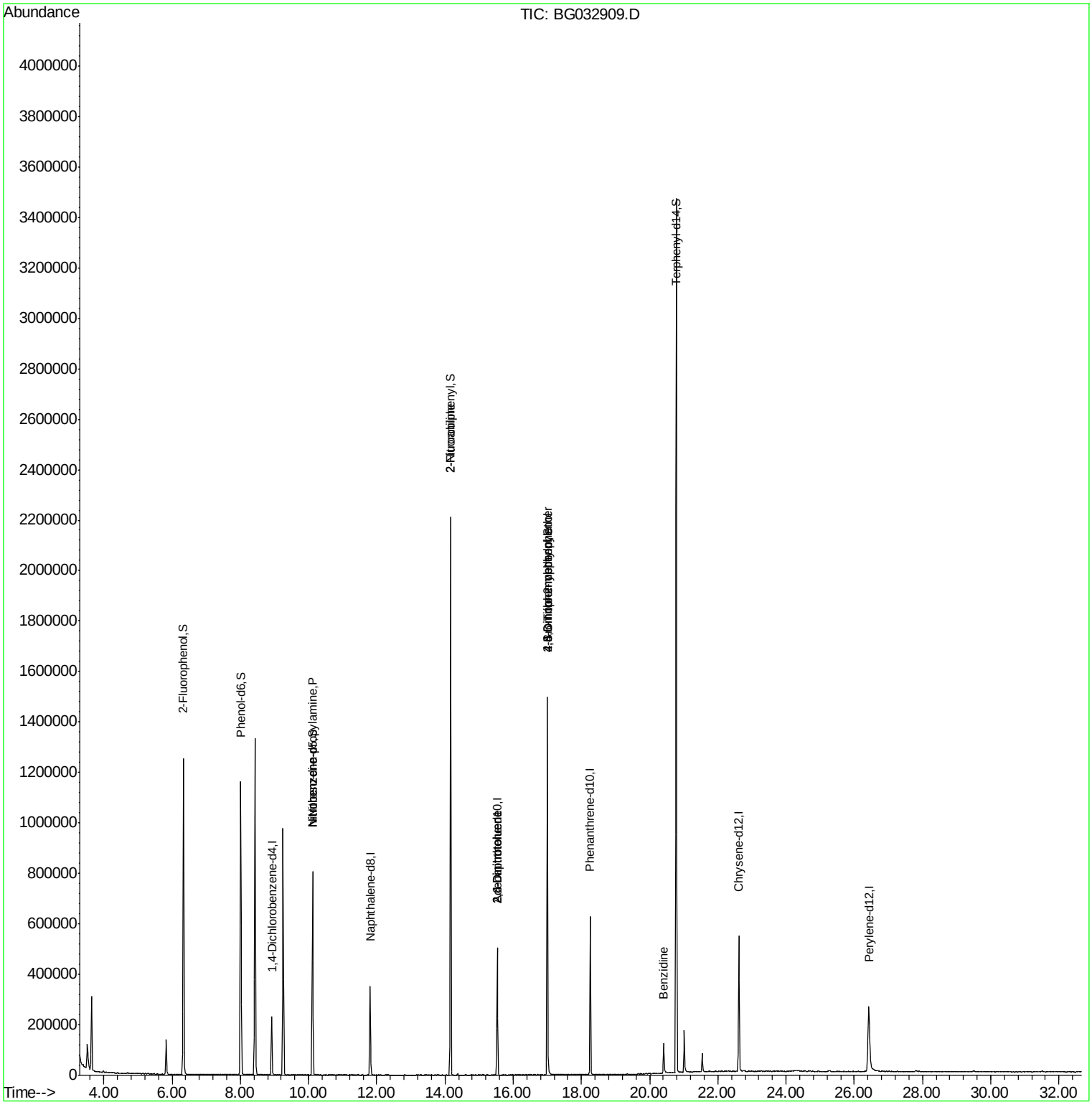
(#) = qualifier out of range (m) = manual integration (+) = signals summed

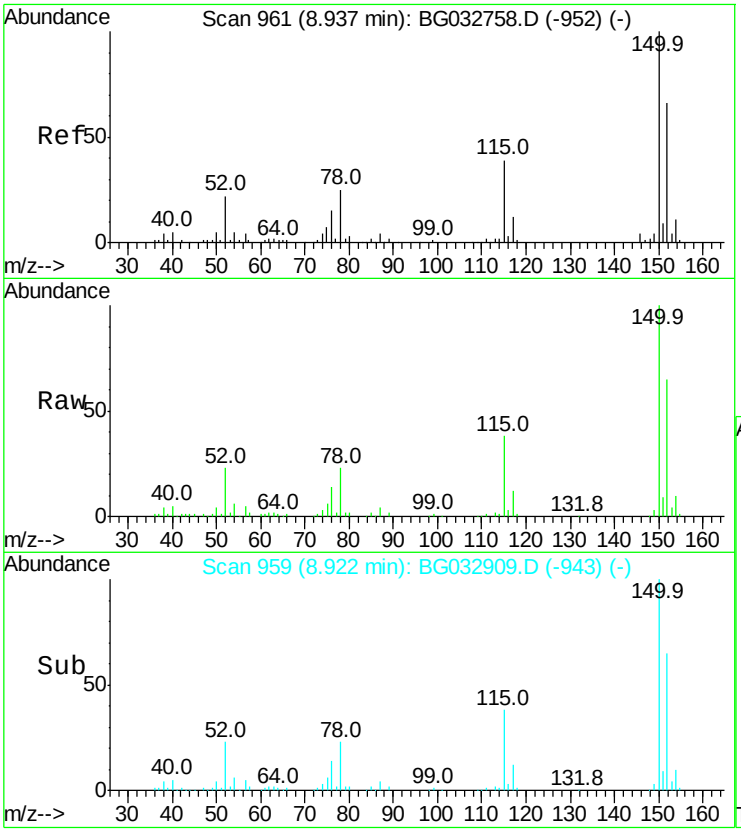
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG022818\
Data File : BG032909.D
Acq On : 1 Mar 2018 5:56
Operator : SJ/JU
Sample : J1710-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Mar 01 07:42:45 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration



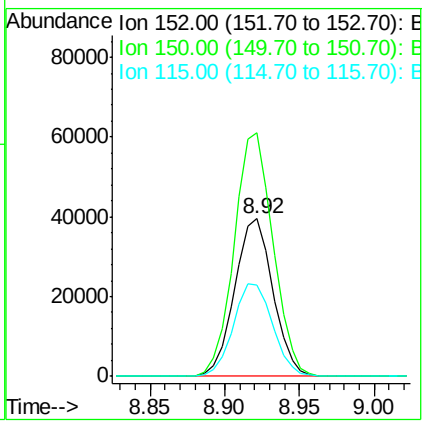


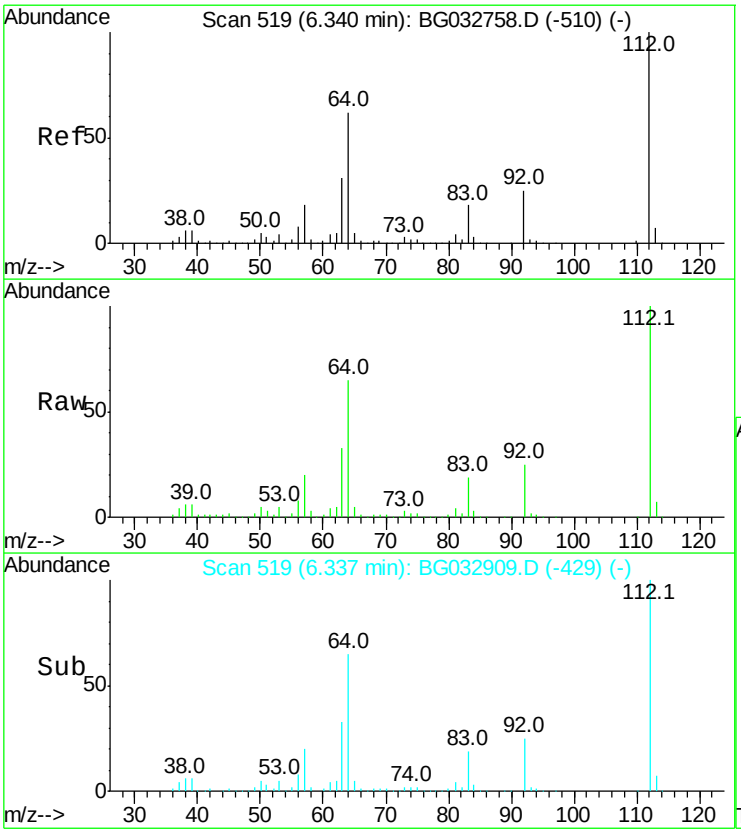

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 70359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 126.6 | 189.8 |
| 115 | 58.1 | 53.0 | 79.4 |

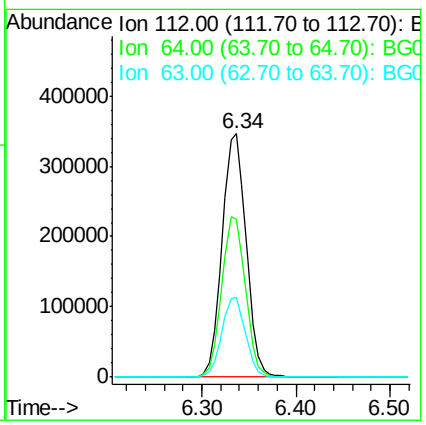


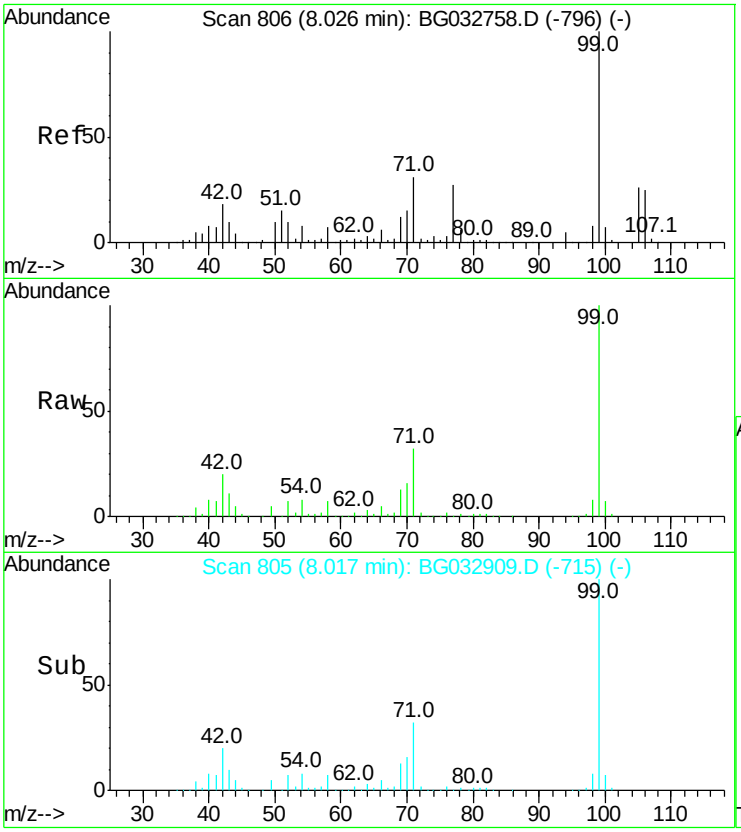




#5
2-Fluorophenol
Concen: 139.769 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:112 Resp: 614681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.7 | 56.3 | 84.5 |
| 63 | 32.7 | 30.1 | 45.1 |



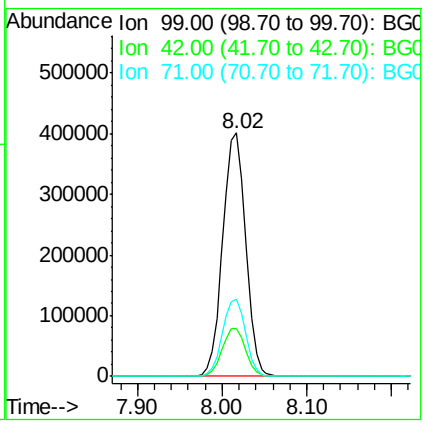


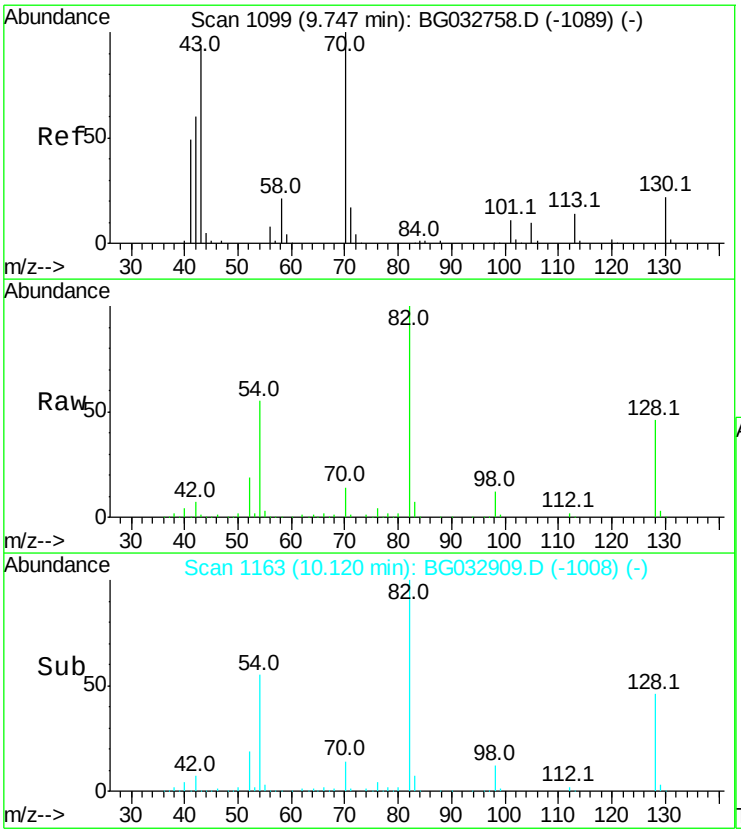

#7
Phenol-d6
Concen: 122.508 ng
RT: 8.02 min Scan# 805
Delta R.T. 0.00 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 750971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 14.1 | 21.1 |
| 71 | 31.7 | 26.1 | 39.1 |

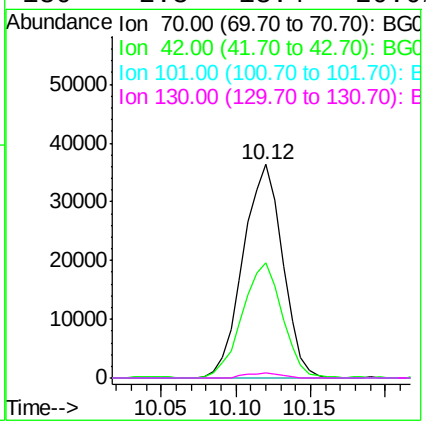


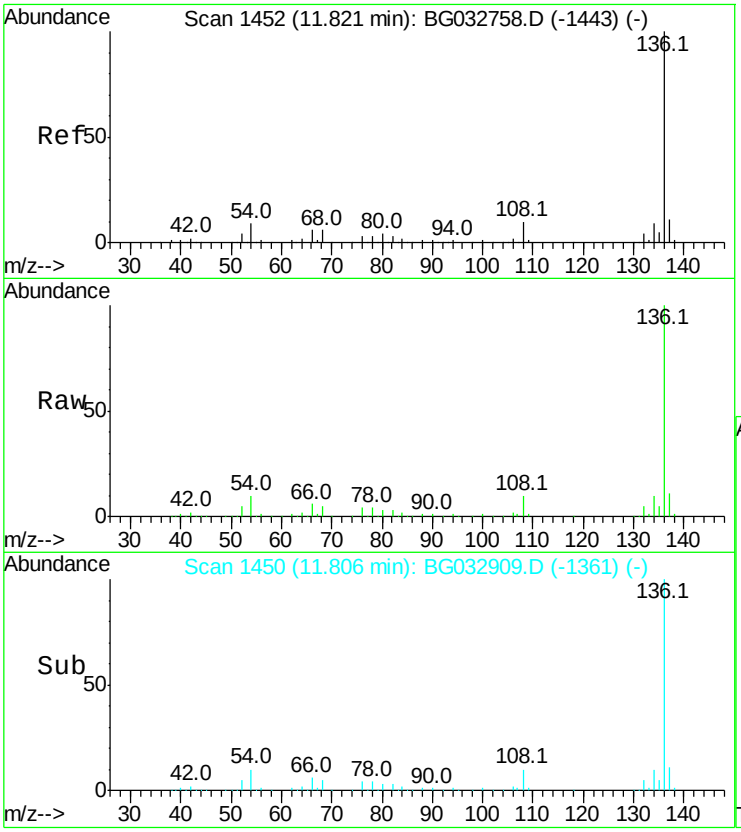




#19
n-Nitroso-di-n-propylamine
Concen: 15.382 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.38 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion: 70 Resp: 66567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.9 | 49.1 | 73.7 |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 2.3 | 13.4 | 20.0# |



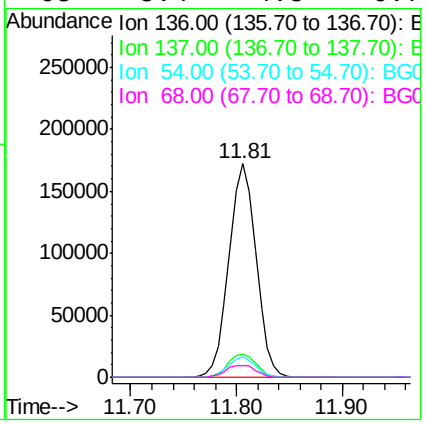


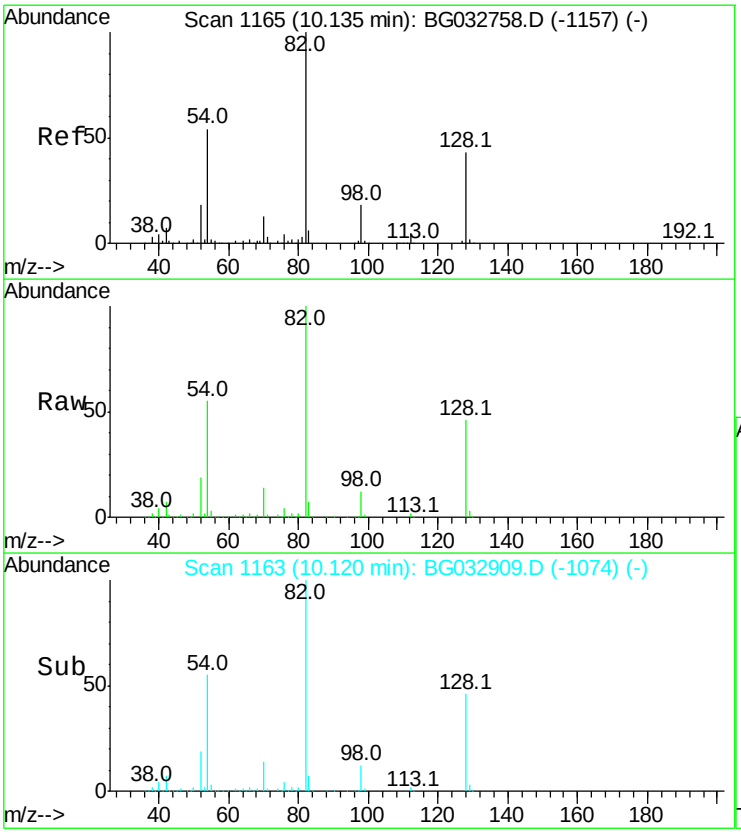

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 305833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.2 | 13.8 |
| 54 | 9.6 | 10.3 | 15.5# |
| 68 | 5.4 | 4.5 | 6.7 |

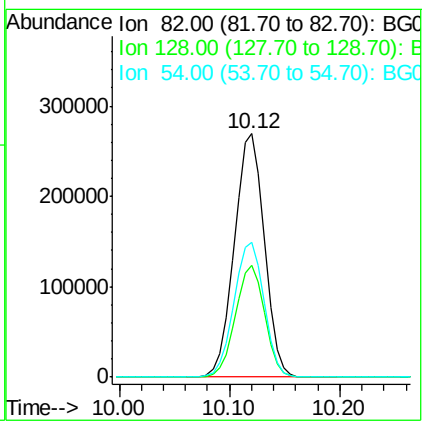


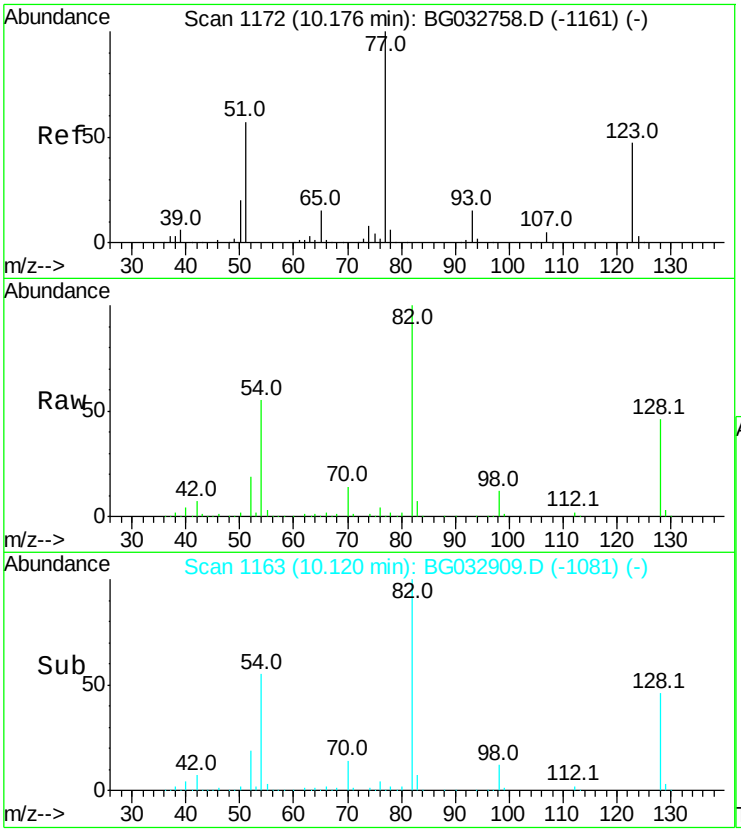




#23
Nitrobenzene-d5
Concen: 113.041 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion: 82 Resp: 514500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 29.7 | 44.5# |
| 54 | 55.3 | 43.1 | 64.7 |



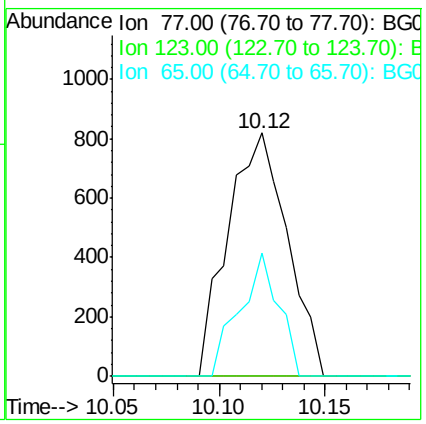


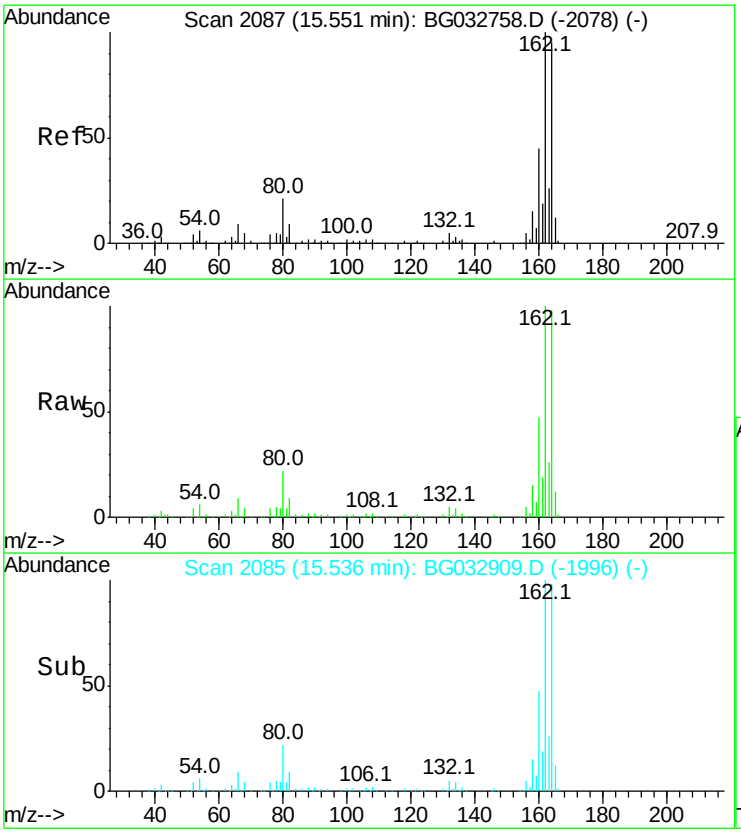

#24
Nitrobenzene
Concen: 6.665 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 77 Resp: 1599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 33.0 | 49.6# |
| 65 | 50.6 | 13.0 | 19.6# |

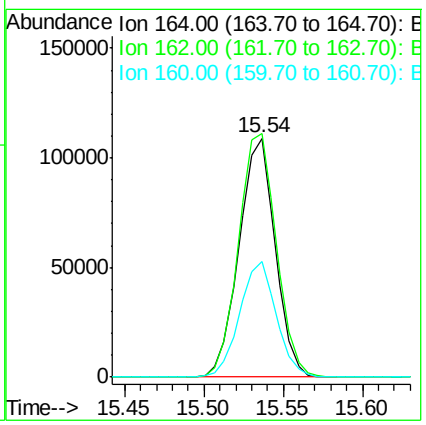


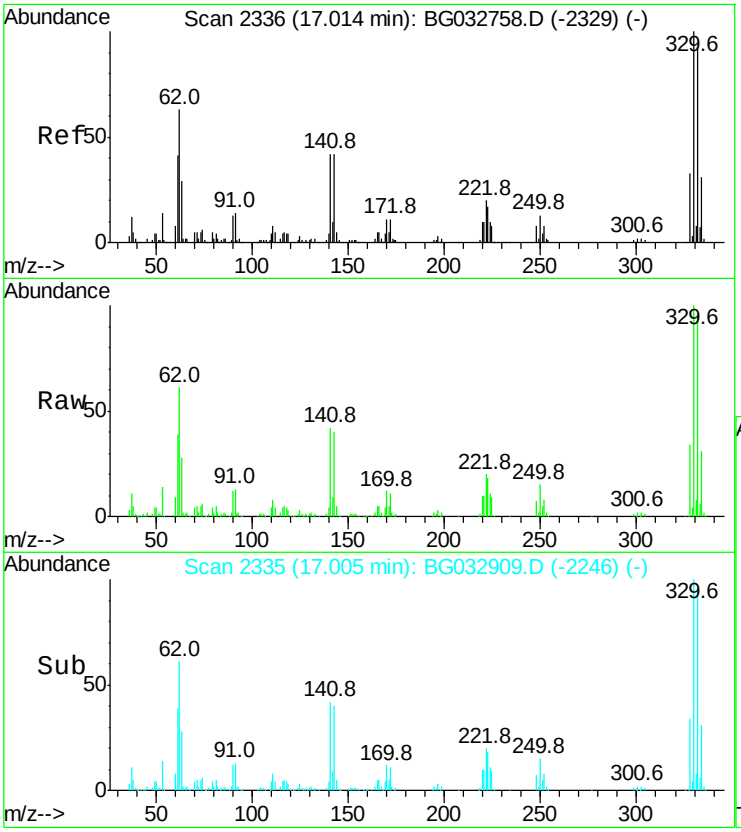




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:164 Resp: 171929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 78.8 | 118.2 |
| 160 | 48.1 | 35.4 | 53.0 |



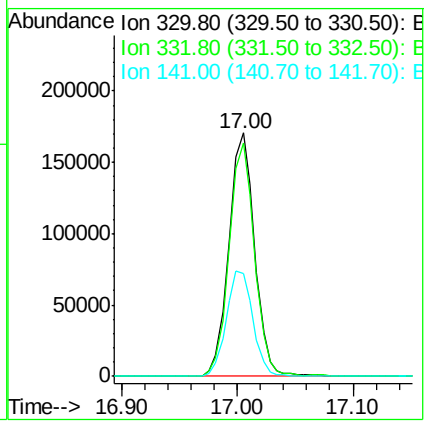


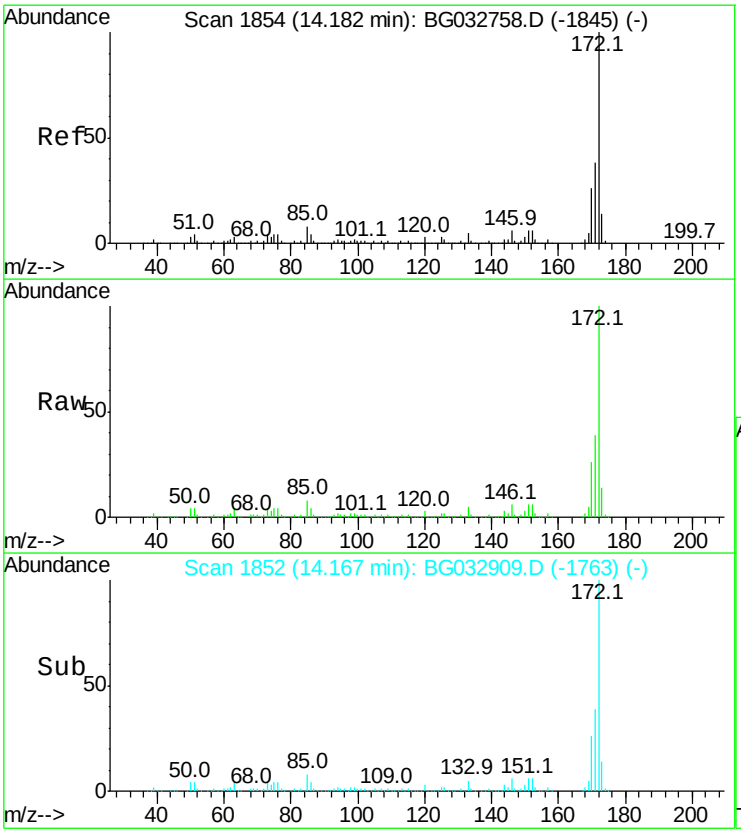

#41
2,4,6-Tribromophenol
Concen: 145.664 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 263327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.5 | 77.0 | 115.6 |
| 141 | 44.7 | 25.2 | 37.8# |

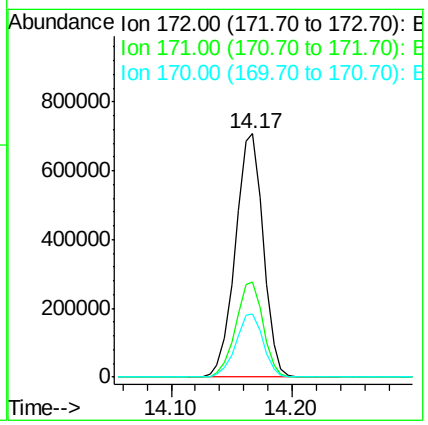


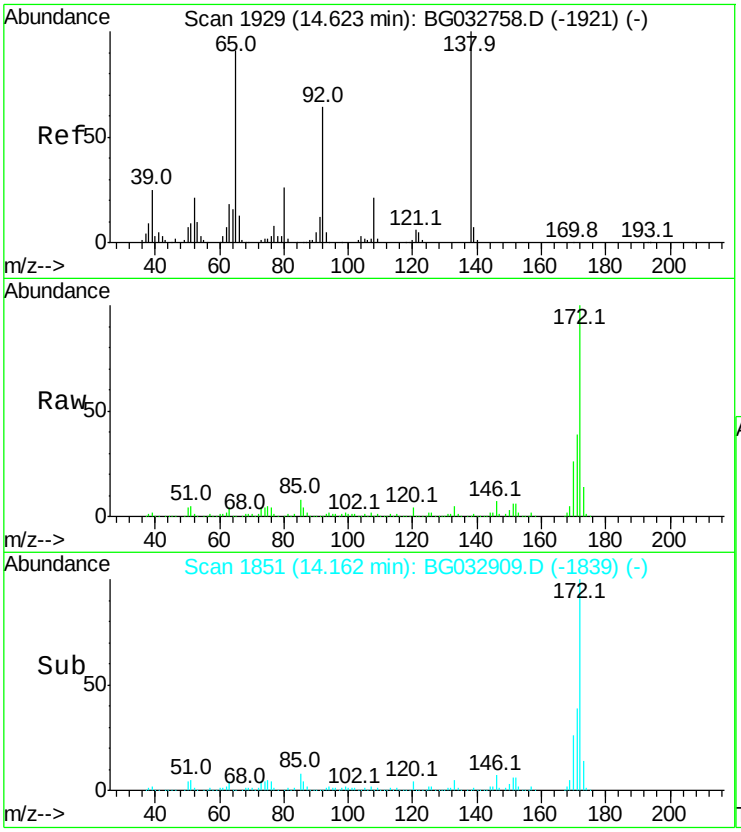




#44
2-Fluorobiphenyl
Concen: 95.274 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:172 Resp: 1135748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.0 | 30.0 | 45.0 |
| 170 | 25.8 | 19.5 | 29.3 |



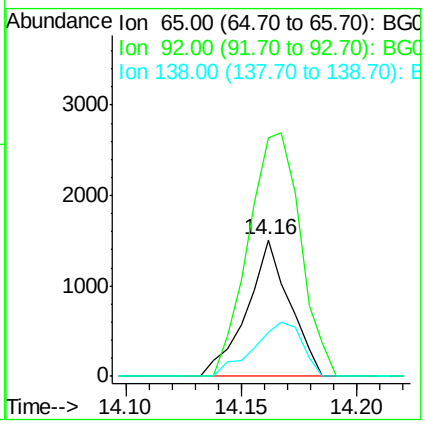


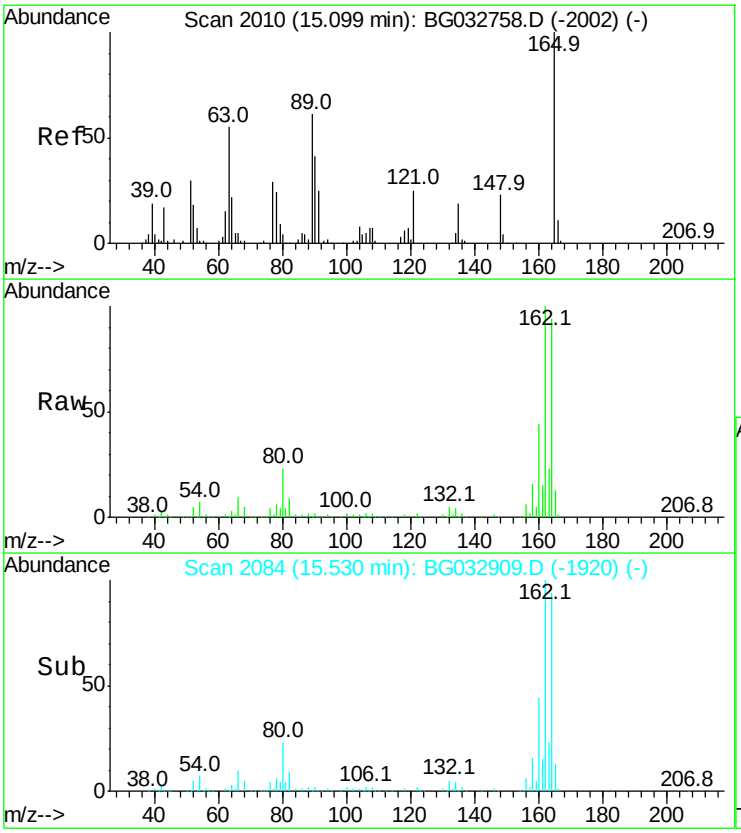

#47
2-Nitroaniline
Concen: 10.382 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.46 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 65 Resp: 1945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 175.0 | 54.6 | 82.0# |
| 138 | 32.3 | 72.9 | 109.3# |

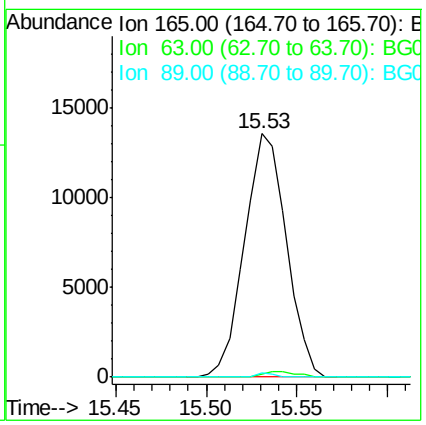


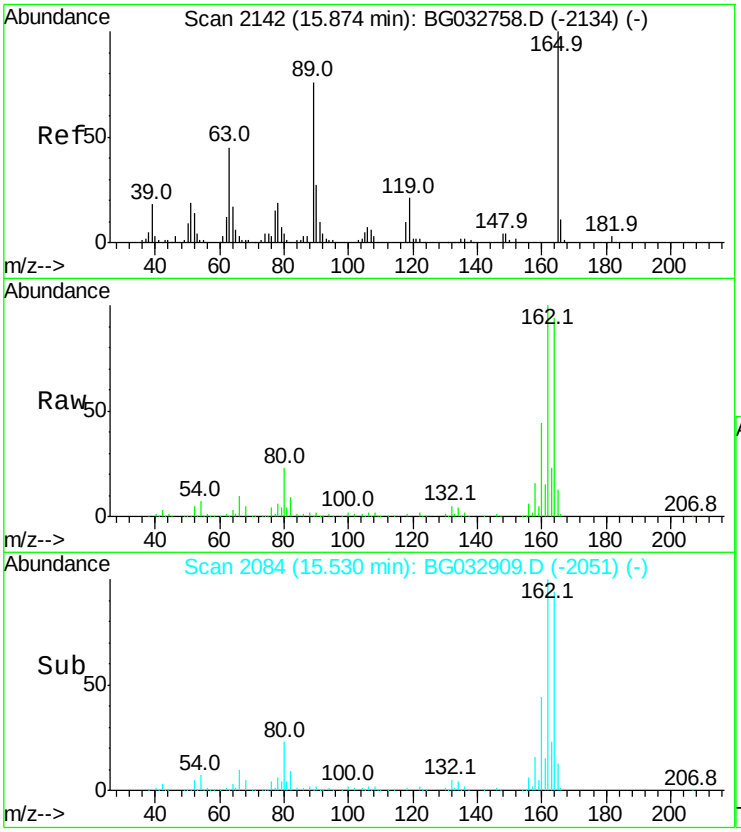




#50
2,6-Dinitrotoluene
Concen: 16.228 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:165 Resp: 21742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 52.7 | 79.1# |
| 89 | 1.8 | 49.2 | 73.8# |



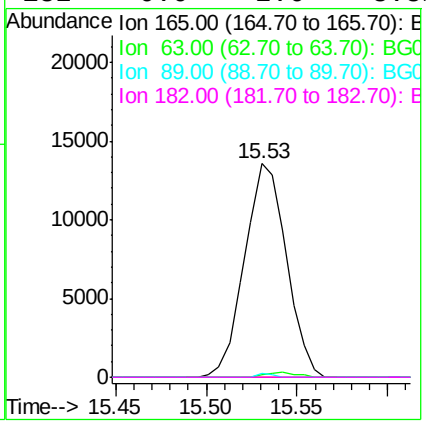


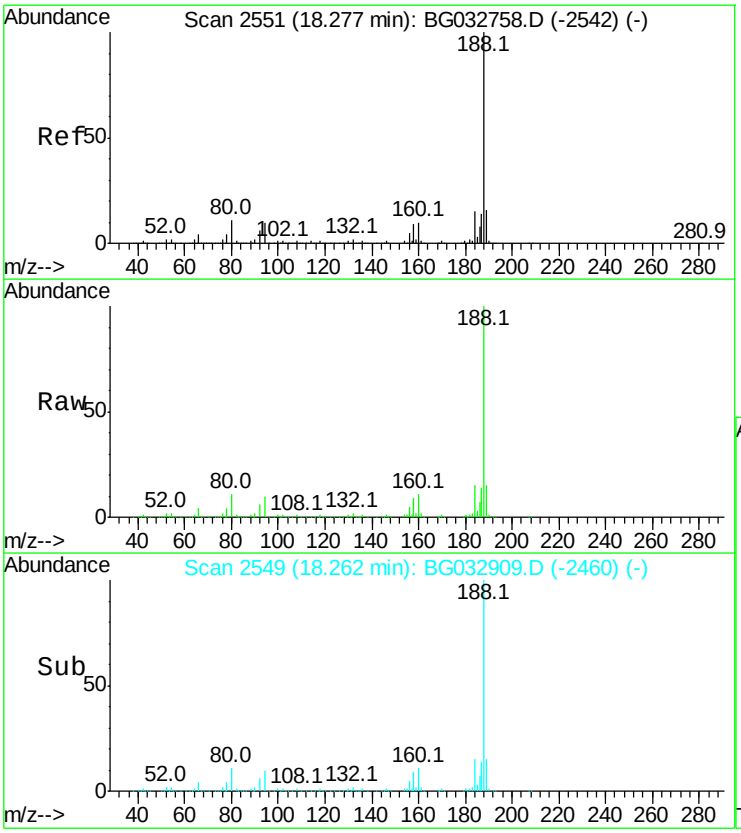

#56
2,4-Dinitrotoluene
Concen: 14.425 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:165 Resp: 21742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 42.0 | 63.0# |
| 89 | 1.8 | 66.9 | 100.3# |
| 182 | 0.0 | 2.6 | 3.8# |

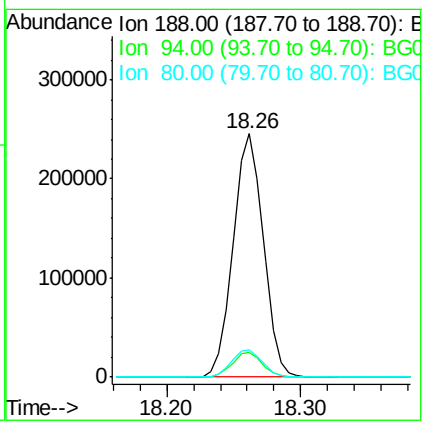


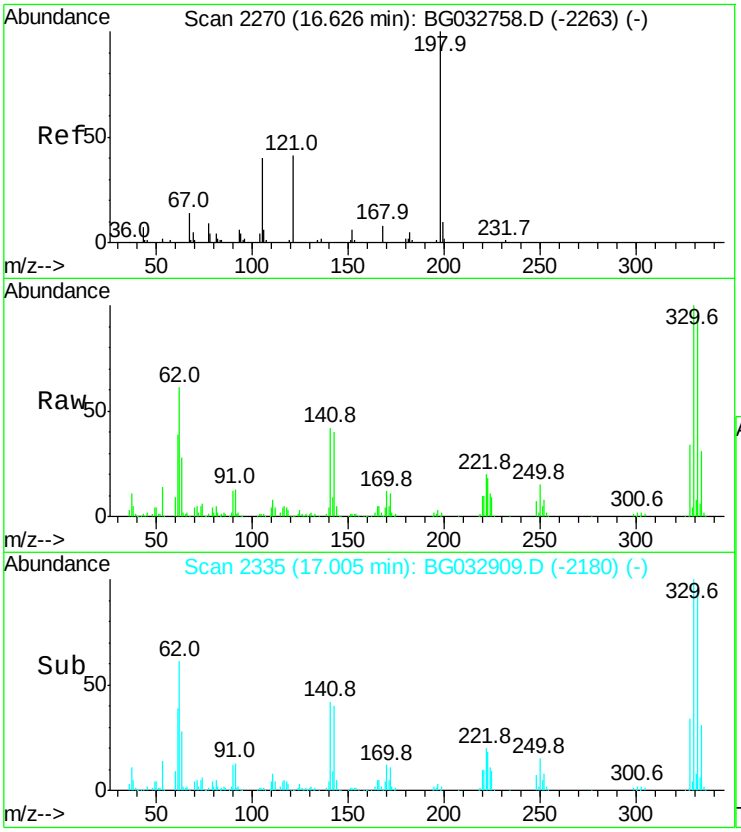




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:188 Resp: 384073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 6.9 | 10.3 |
| 80 | 11.1 | 7.7 | 11.5 |



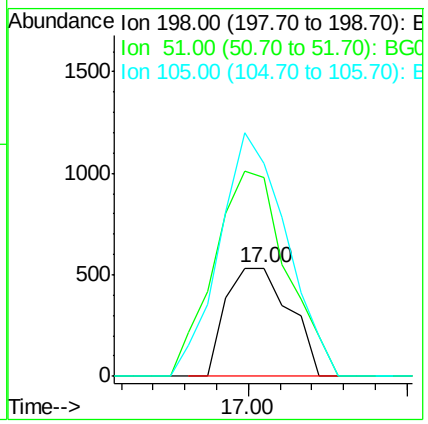


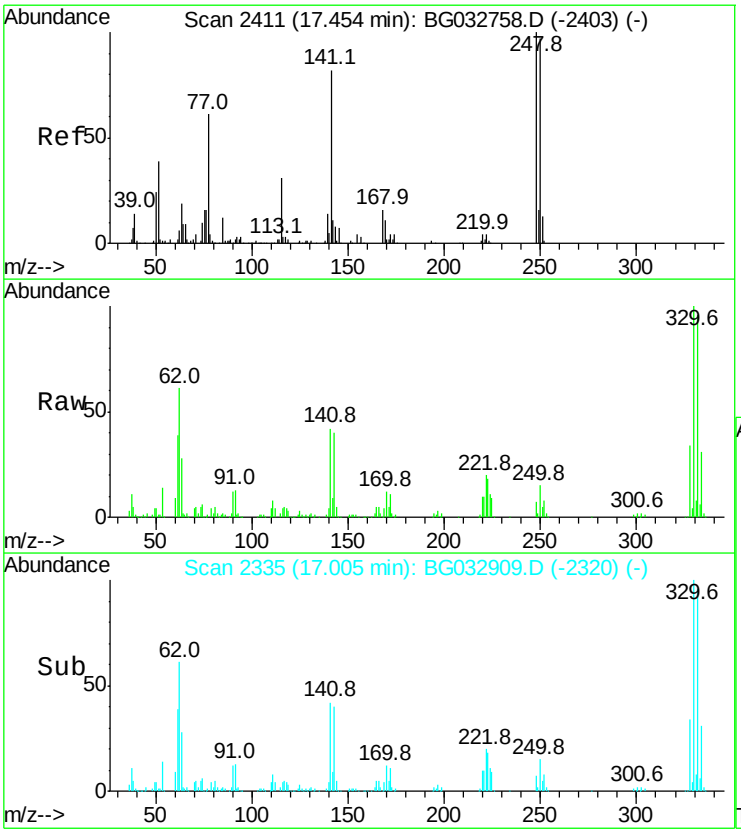

#64
4,6-Dinitro-2-methylphenol
Concen: 5.767 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.38 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:198 Resp: 740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 184.1 | 30.6 | 70.6# |
| 105 | 197.0 | 23.8 | 63.8# |

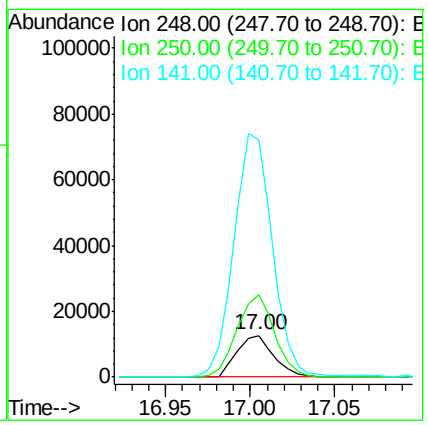


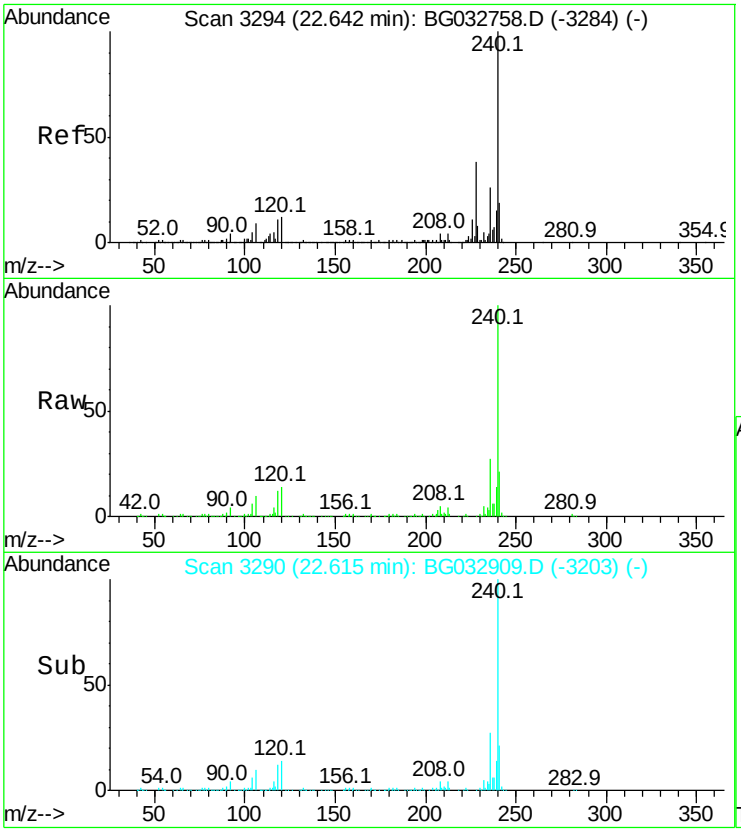




#66
4-Bromophenyl-phenylether
Concen: 4.721 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:248 Resp: 19173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.9 | 77.1 | 115.7# |
| 141 | 570.1 | 50.8 | 76.2# |



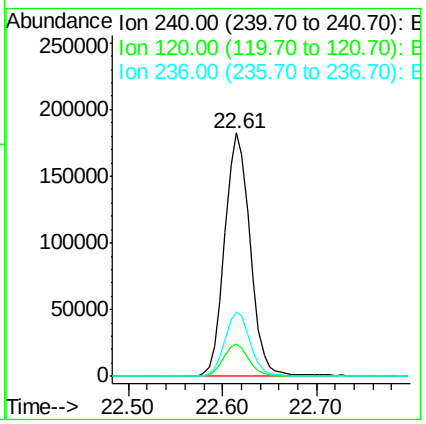


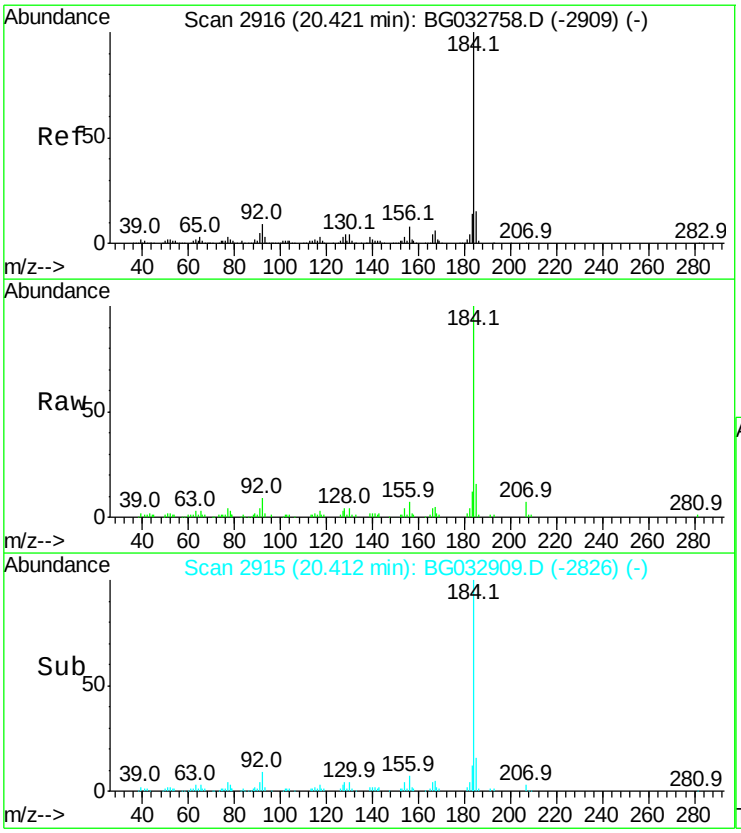

#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3290
Delta R.T. -0.02 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:240 Resp: 344513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.5 | 6.8 | 10.2# |
| 236 | 26.7 | 20.9 | 31.3 |

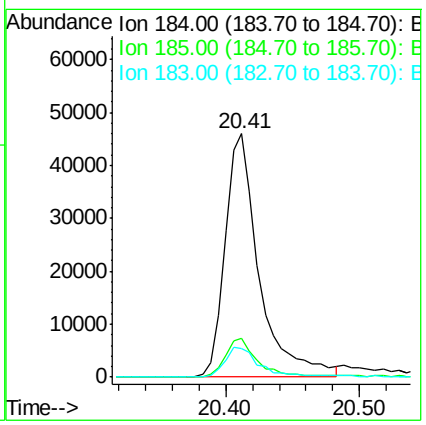


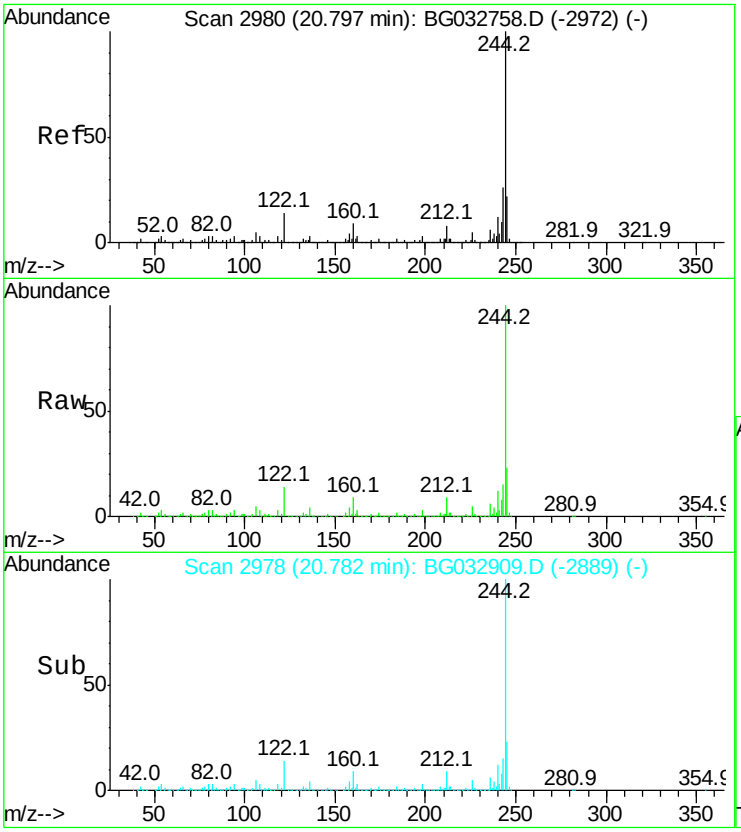




#76
Benzidine
Concen: 6.989 ng
RT: 20.41 min Scan# 2915
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:184 Resp: 82075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.8 | 11.1 | 16.7 |
| 183 | 12.0 | 10.6 | 16.0 |



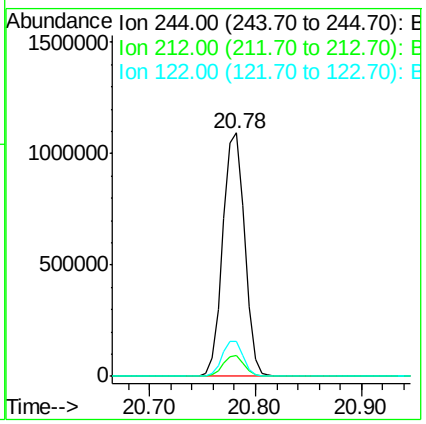


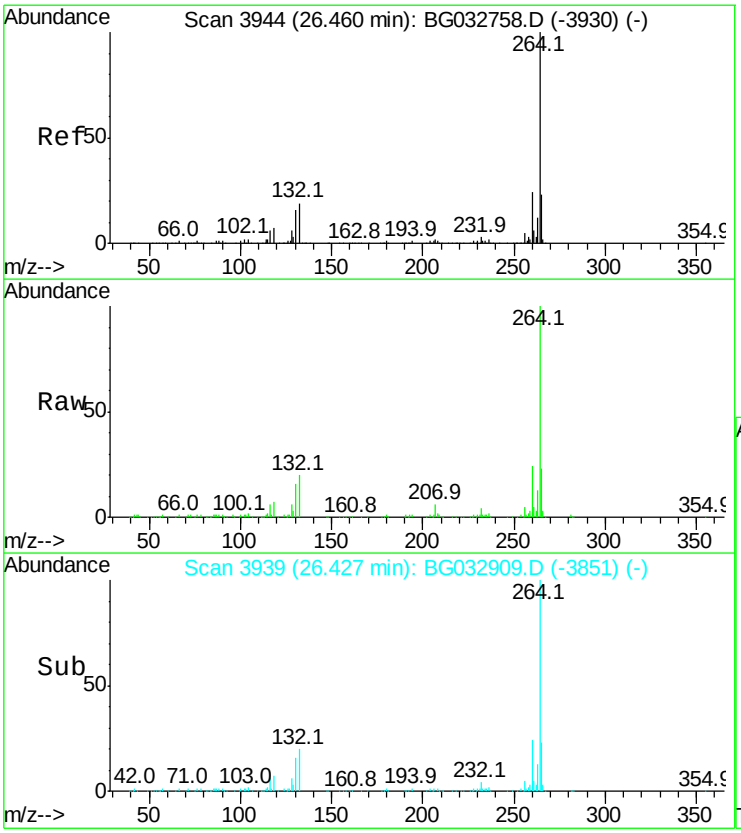

#78
Terphenyl-d14
Concen: 102.280 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 1568354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.6 | 5.8 | 8.8 |
| 122 | 14.1 | 7.0 | 10.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3939
Delta R.T. -0.01 min
Lab File: BG032909.D
Acq: 1 Mar 2018 5:56

Tgt Ion:264 Resp: 346444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 17.4 | 26.0 |
| 265 | 22.5 | 17.7 | 26.5 |