Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\
Data File : BG031940.D
Acq On : 5 Jan 2018 19:45
Operator : SJ/JU
Sample : J1012-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jan 05 23:12:45 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 05 15:31:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.78 | 152 | 49000 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.67 | 136 | 201888 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.42 | 164 | 144966 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 18.15 | 188 | 393480 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 22.49 | 240 | 449983 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 26.23 | 264 | 445358 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.21 | 112 | 311869 | 115.93 | ng | | 0.00 |
| 7) Phenol-d6 | 7.89 | 99 | 371913 | 106.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.98 | 82 | 253518 | 94.82 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.89 | 330 | 328551 | 148.53 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 14.04 | 172 | 907638 | 78.58 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.68 | 244 | 1846392 | 93.74 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 9.98 | 70 | 33164 | 13.903 | ng | # | 75 |
| 31) Naphthalene | 11.72 | 128 | 187609 | 18.413 | ng | | 97 |
| 32) Benzoic acid | 10.91 | 122 | 183 | 6.771 | ng | # | 1 |
| 33) 4-Chloroaniline | 11.72 | 127 | 25634 | 5.651 | ng | # | 27 |
| 50) 2,6-Dinitrotoluene | 15.41 | 165 | 18625 | 7.928 | ng | # | 20 |
| 56) 2,4-Dinitrotoluene | 15.41 | 165 | 18625 | 6.165 | ng | # | 18 |
| 64) 4,6-Dinitro-2-methylphenol | 16.14 | 198 | 62 | 8.333 | ng | # | 29 |
| 66) 4-Bromophenyl-phenylether | 16.89 | 248 | 26608 | 4.676 | ng | # | 1 |

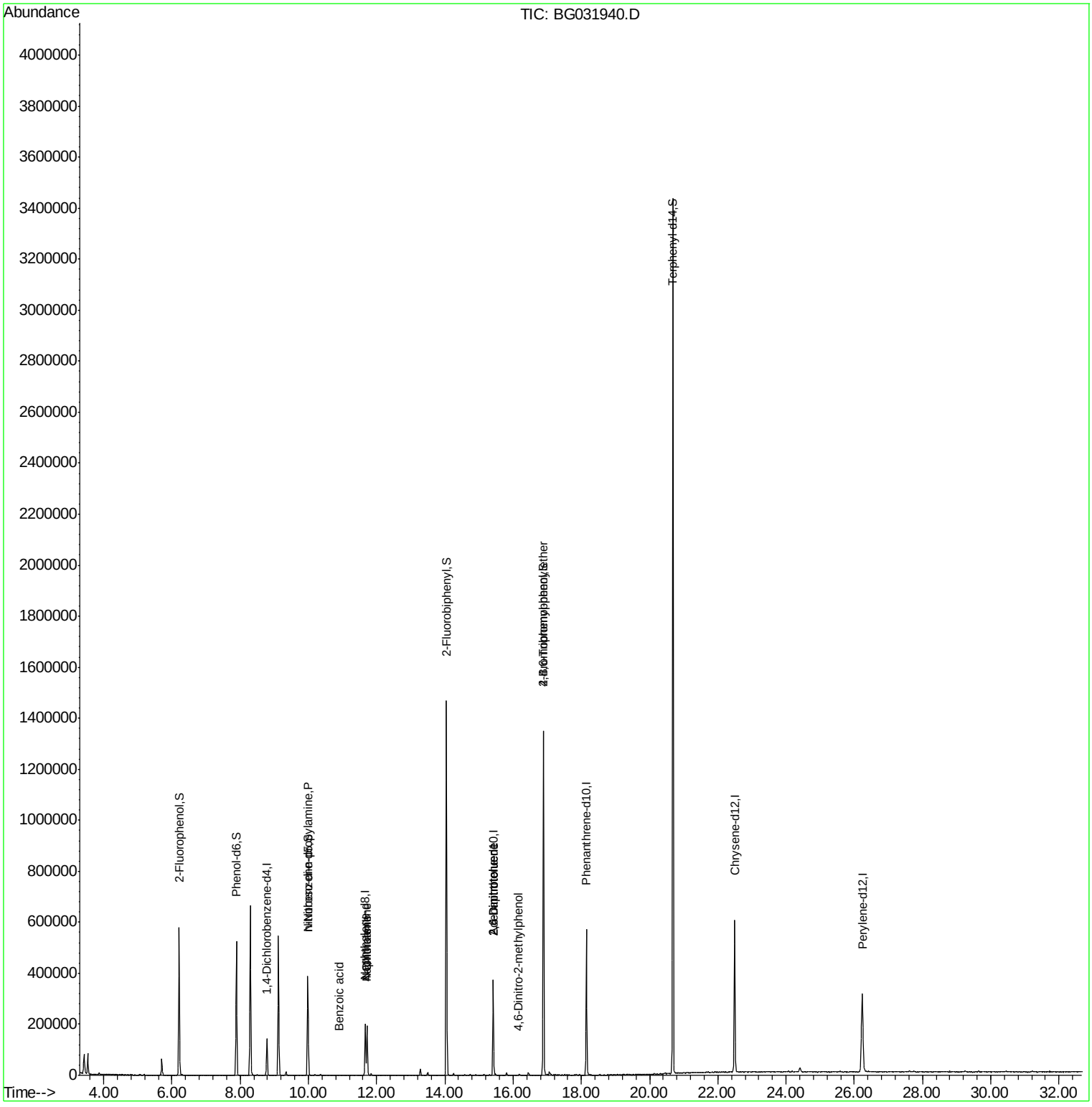
(#) = qualifier out of range (m) = manual integration (+) = signals summed

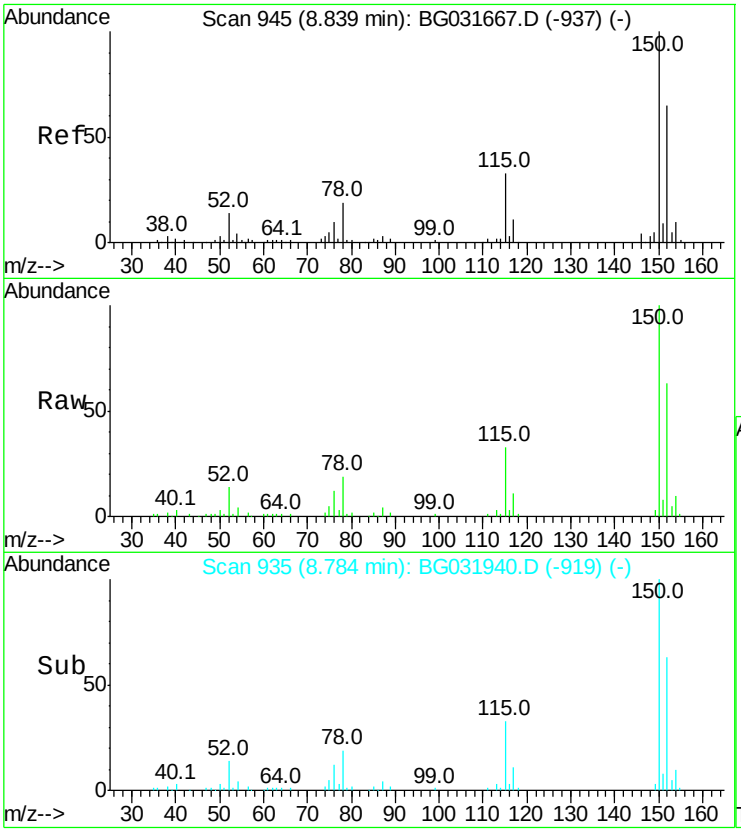
Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\
Data File : BG031940.D
Acq On : 5 Jan 2018 19:45
Operator : SJ/JU
Sample : J1012-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jan 05 23:12:45 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 05 15:31:34 2018
Response via : Initial Calibration



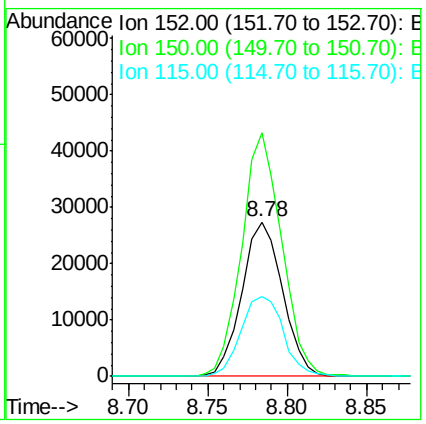


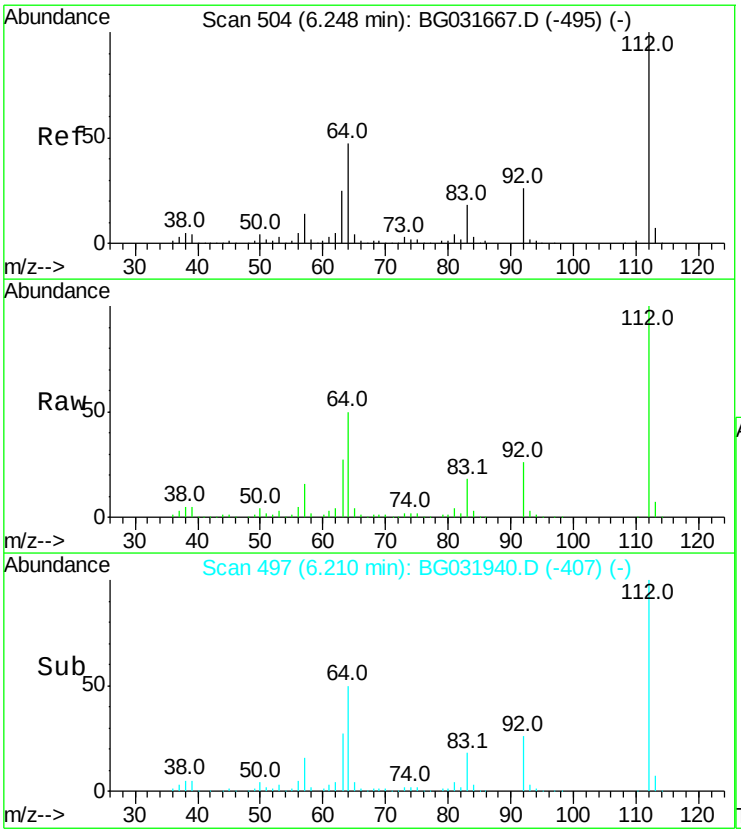

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:152 Resp: 49000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 126.6 | 189.8 |
| 115 | 51.6 | 53.0 | 79.4# |

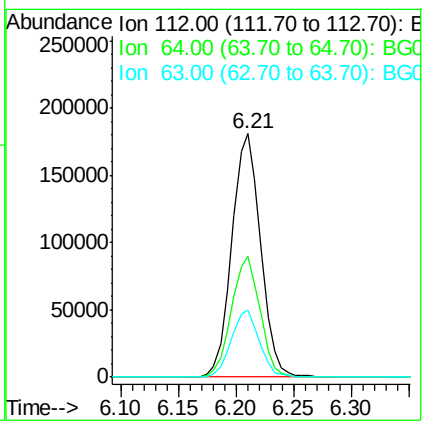


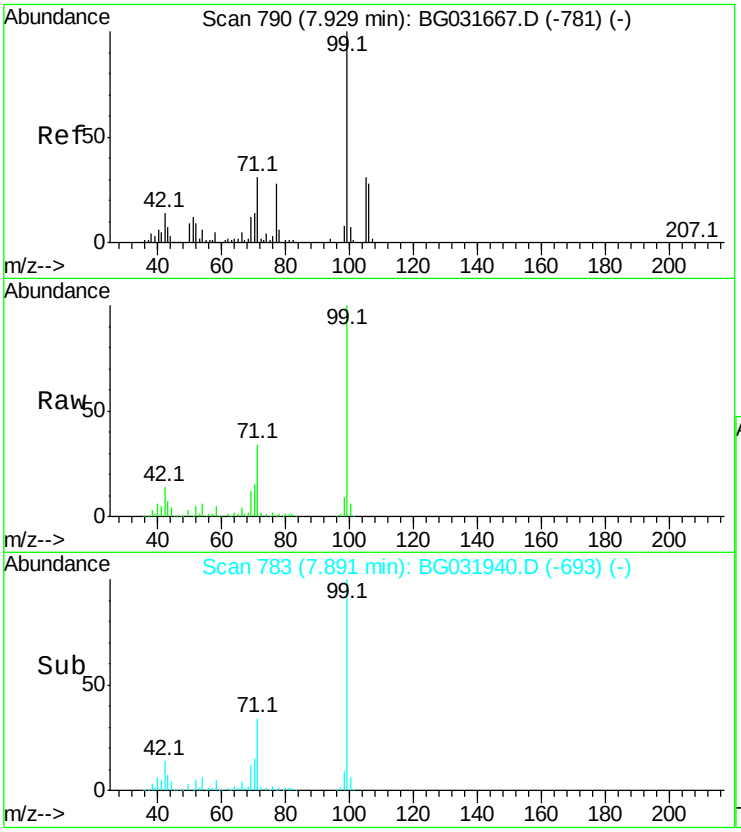




#5
2-Fluorophenol
Concen: 115.925 ng
RT: 6.21 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:112 Resp: 311869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.8 | 56.3 | 84.5# |
| 63 | 27.4 | 30.1 | 45.1# |



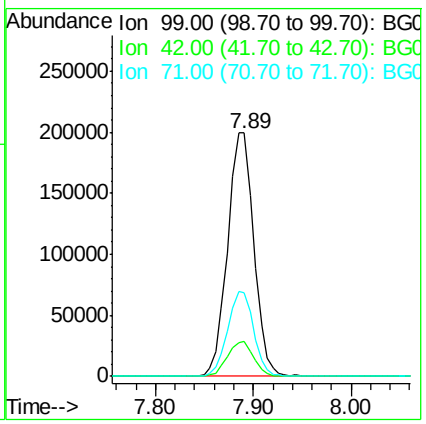


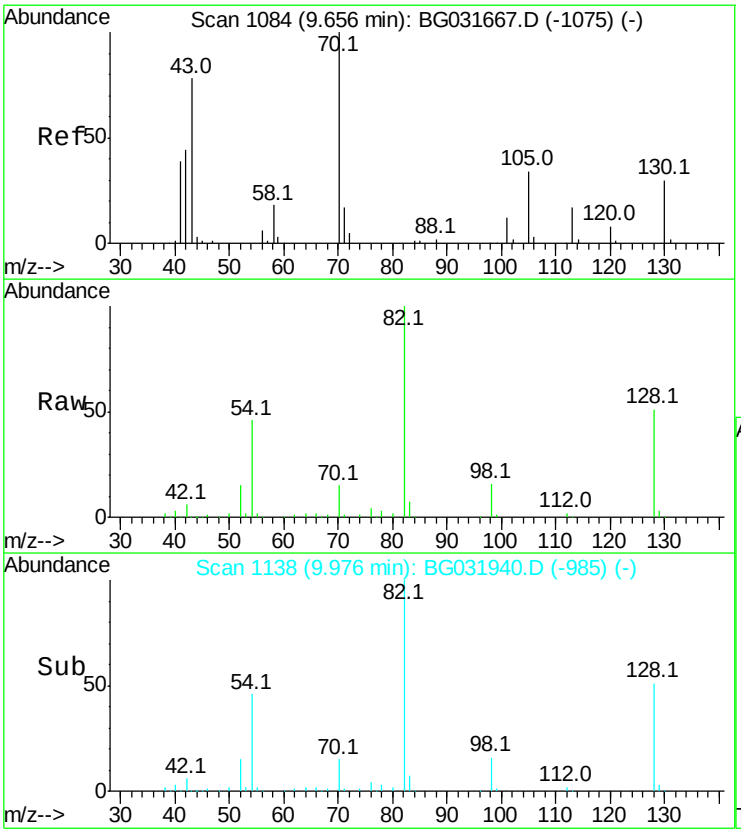

#7
Phenol-d6
Concen: 106.478 ng
RT: 7.89 min Scan# 783
Delta R.T. 0.00 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion: 99 Resp: 371913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.5 | 14.1 | 21.1 |
| 71 | 34.1 | 26.1 | 39.1 |

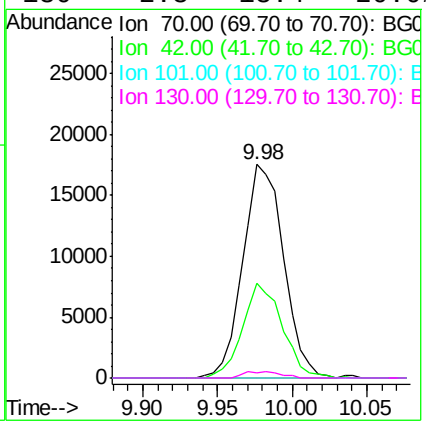


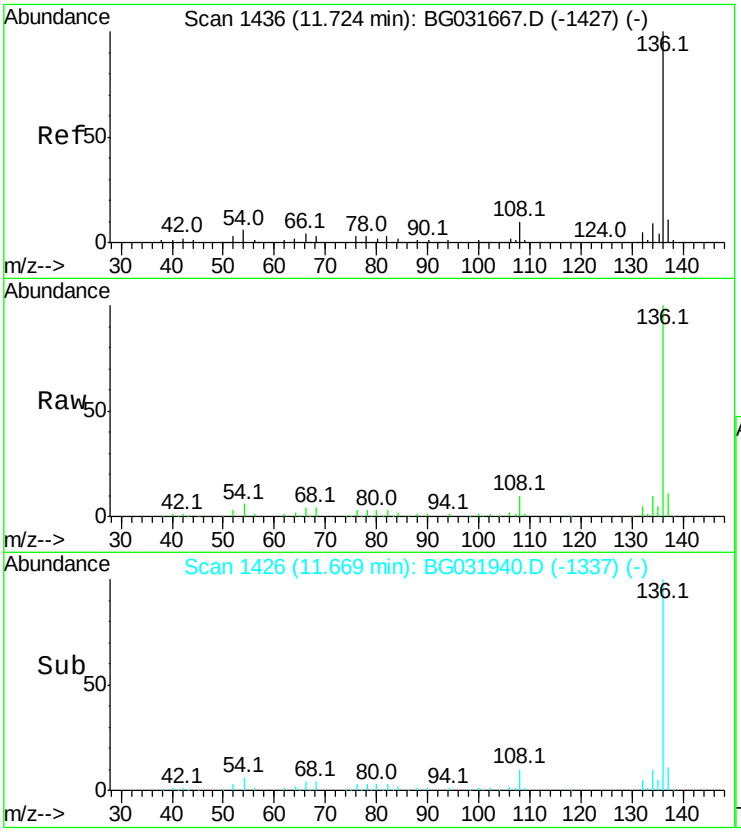




#19
n-Nitroso-di-n-propylamine
Concen: 13.903 ng
RT: 9.98 min Scan# 1138
Delta R.T. 0.37 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion: 70 Resp: 33164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.1 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 2.3 | 13.4 | 20.0# |



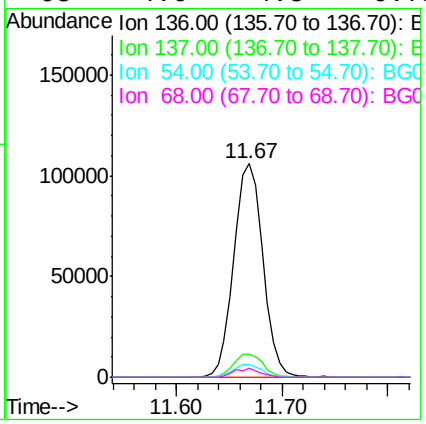


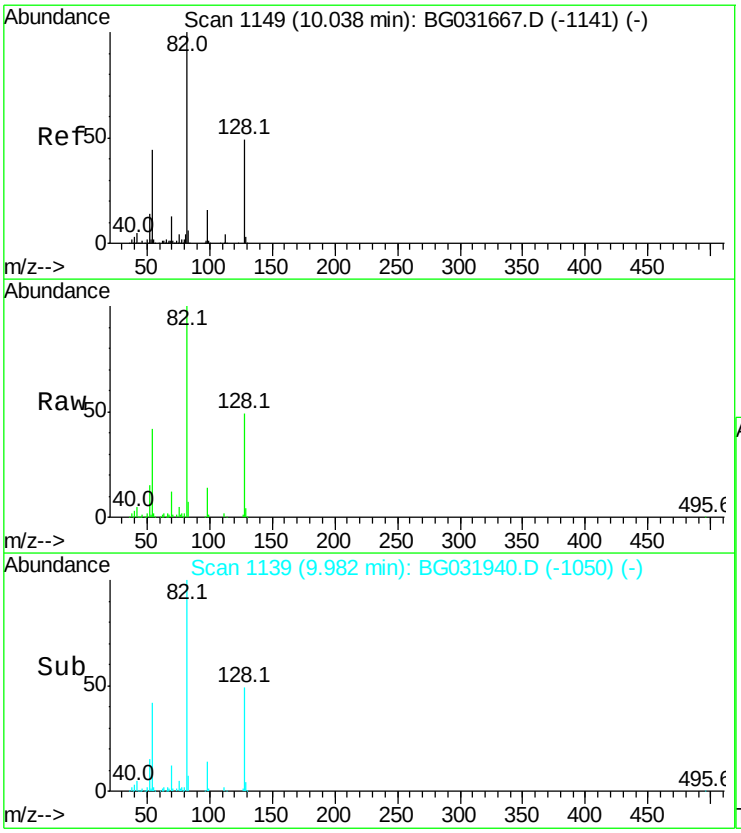

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:136 Resp: 201888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.2 | 13.8 |
| 54 | 6.3 | 10.3 | 15.5# |
| 68 | 4.0 | 4.5 | 6.7# |

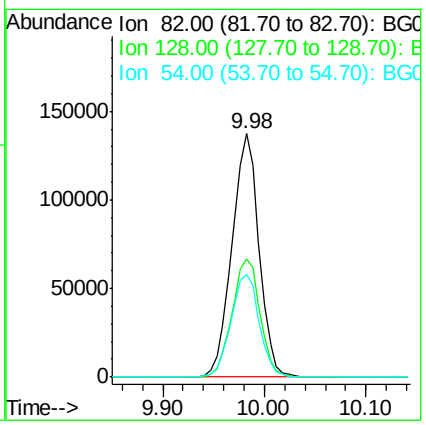


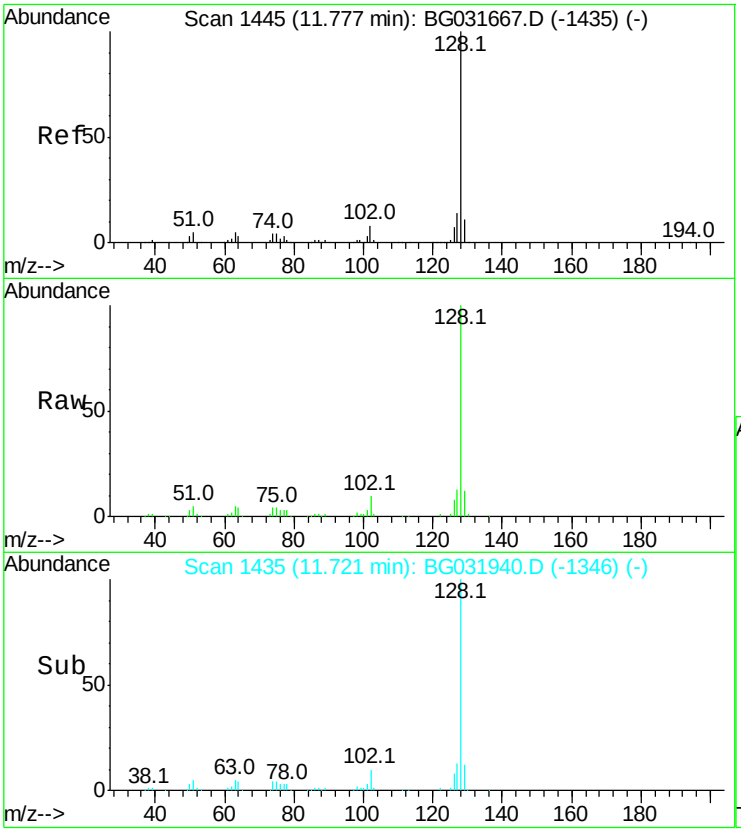




#23
Nitrobenzene-d5
Concen: 94.823 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion: 82 Resp: 253518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.8 | 29.7 | 44.5# |
| 54 | 42.5 | 43.1 | 64.7# |



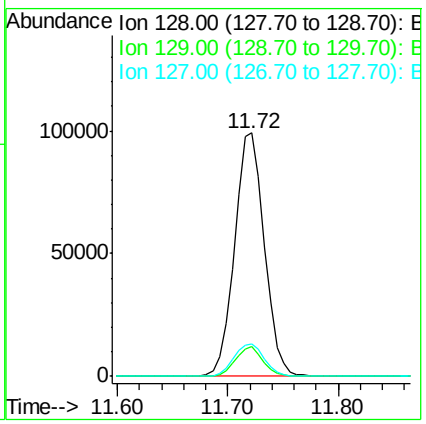


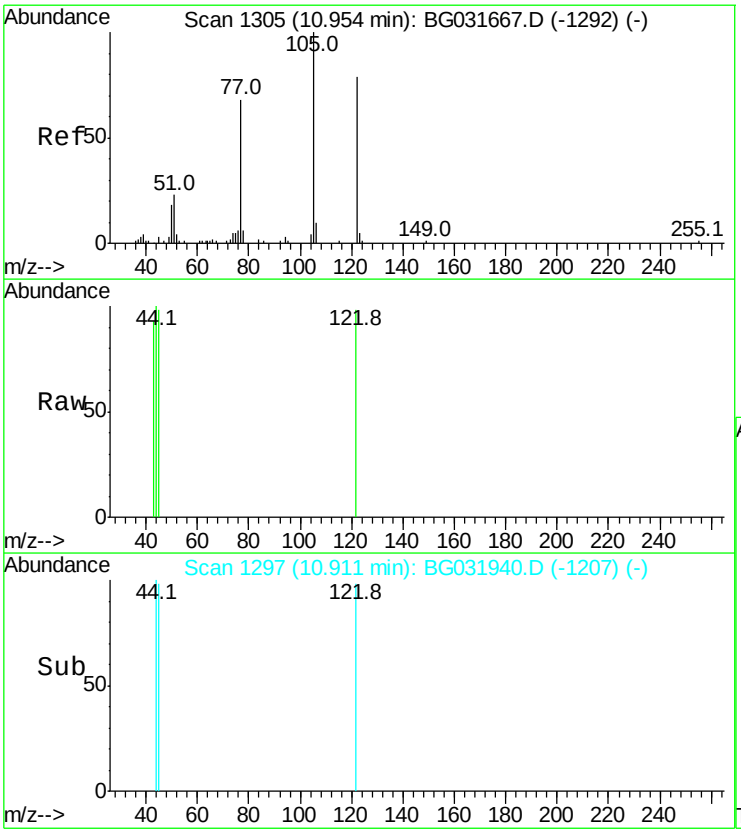

#31
Naphthalene
Concen: 18.413 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:128 Resp: 187609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.0 | 8.6 | 12.8 |
| 127 | 13.2 | 11.6 | 17.4 |

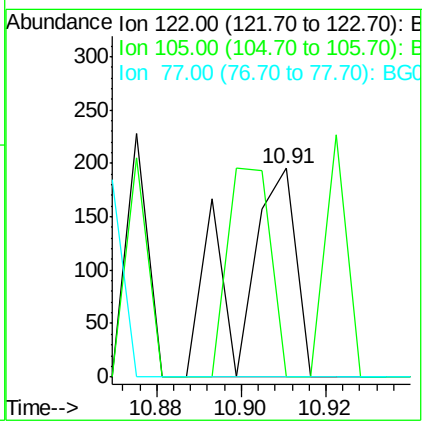


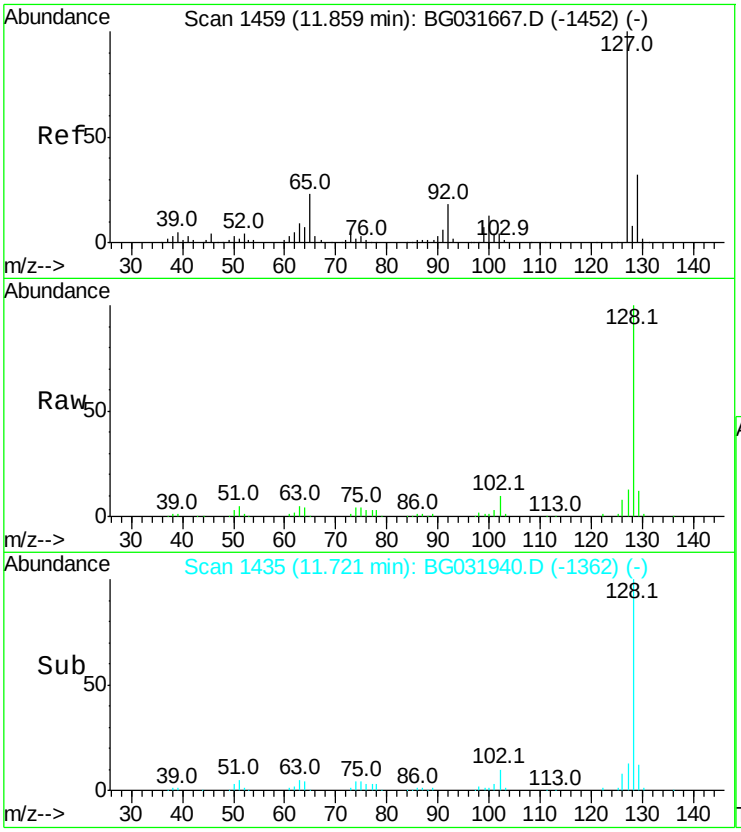




#32
Benzoic acid
Concen: 6.771 ng
RT: 10.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:122 Resp: 183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 123.5 | 163.5# |
| 77 | 0.0 | 85.7 | 125.7# |



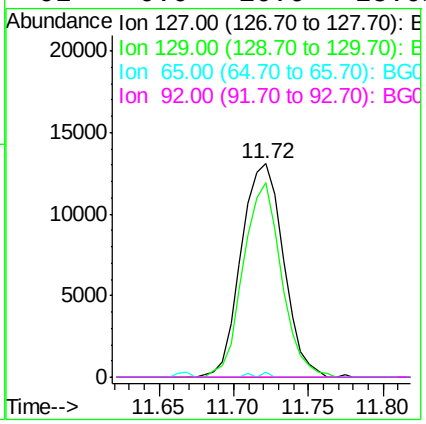


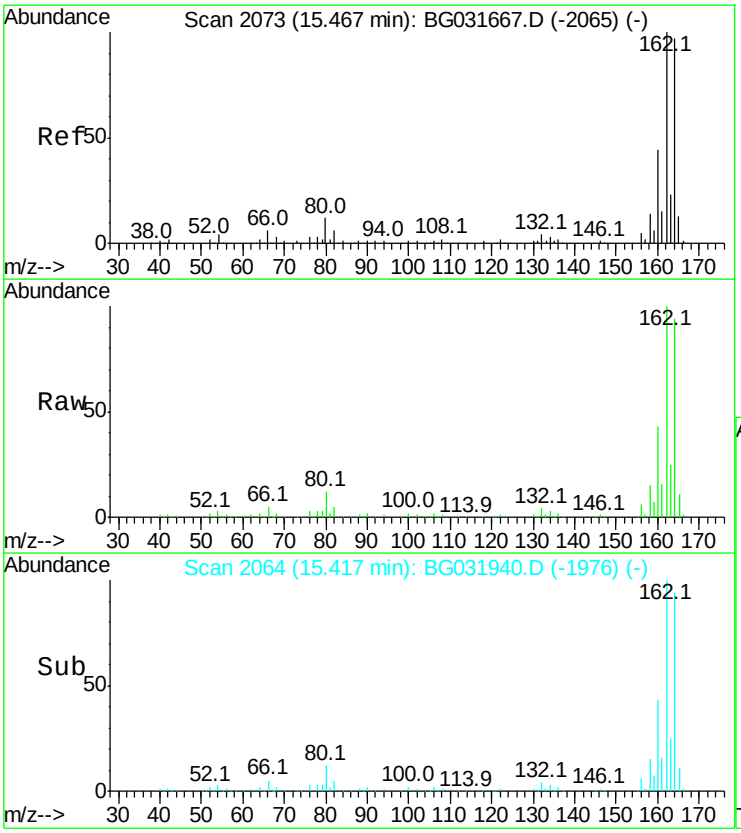

#33
4-Chloroaniline
Concen: 5.651 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.10 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:127 Resp: 25634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 91.2 | 24.0 | 36.0# |
| 65 | 2.3 | 27.0 | 40.4# |
| 92 | 0.0 | 16.6 | 25.0# |

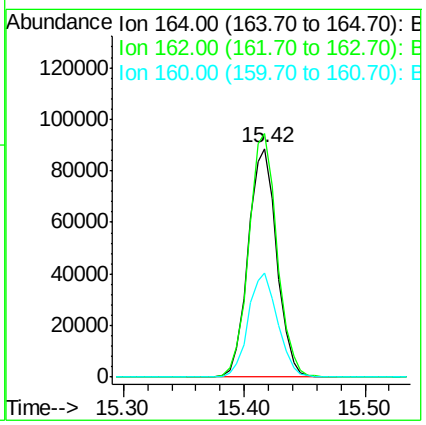


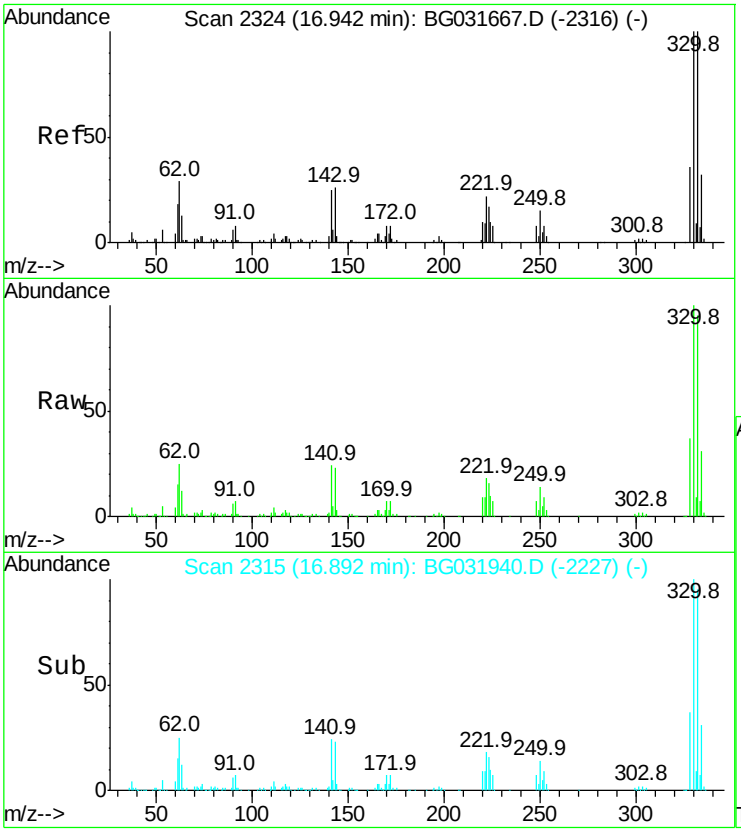




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.42 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:164 Resp: 144966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 78.8 | 118.2 |
| 160 | 45.4 | 35.4 | 53.0 |



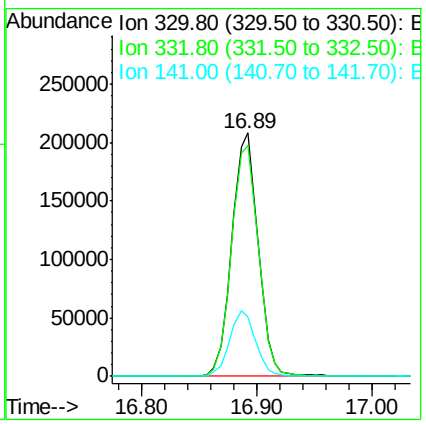


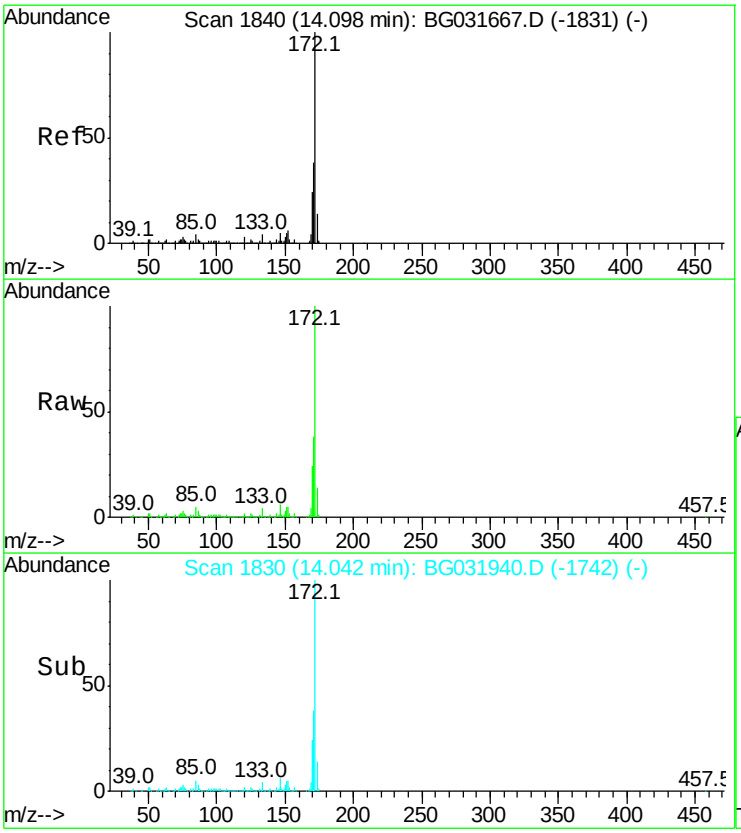

#41
2,4,6-Tribromophenol
Concen: 148.533 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:330 Resp: 328551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 77.0 | 115.6 |
| 141 | 26.9 | 25.2 | 37.8 |

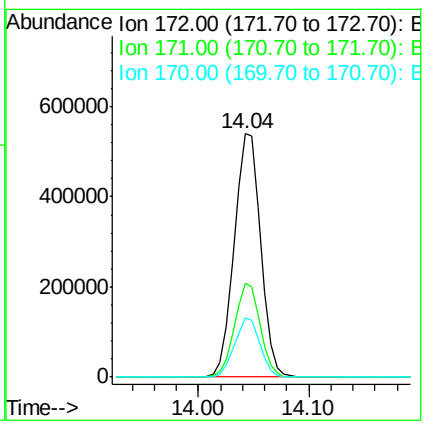


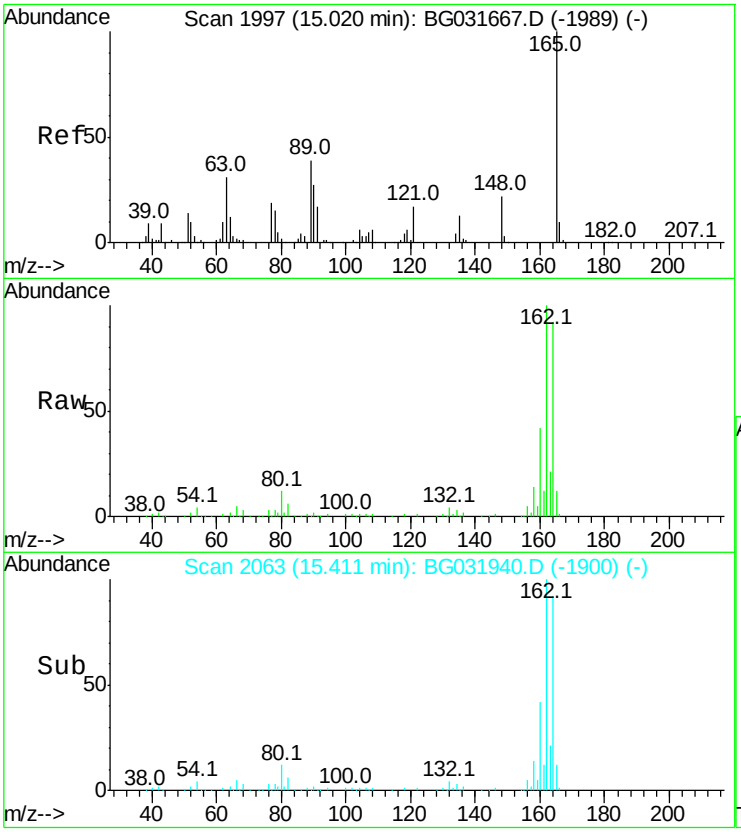




#44
2-Fluorobiphenyl
Concen: 78.584 ng
RT: 14.04 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:172 Resp: 907638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.3 | 30.0 | 45.0 |
| 170 | 24.3 | 19.5 | 29.3 |



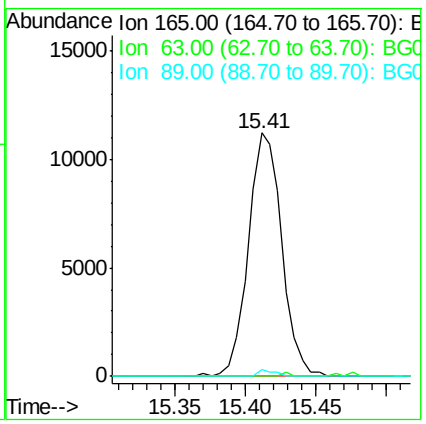


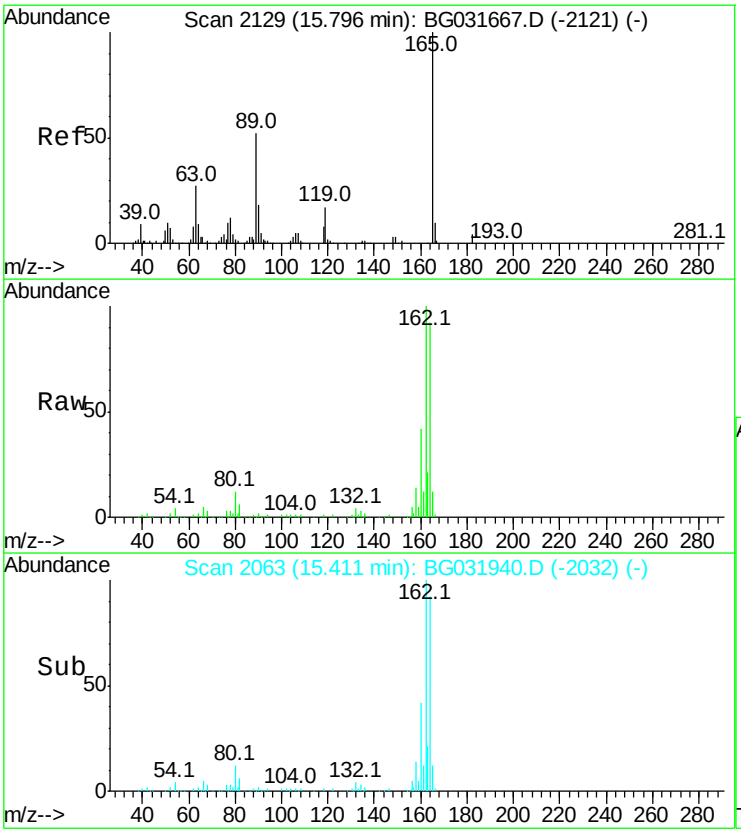

#50
2,6-Dinitrotoluene
Concen: 7.928 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.43 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:165 Resp: 18625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 52.7 | 79.1# |
| 89 | 2.9 | 49.2 | 73.8# |

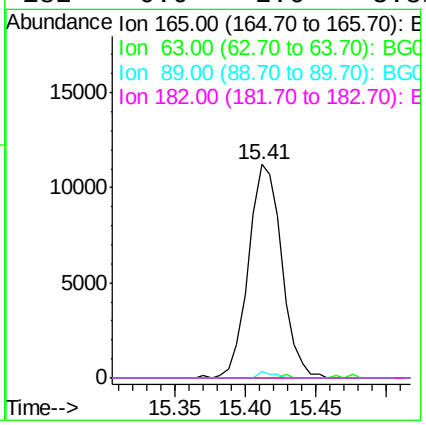


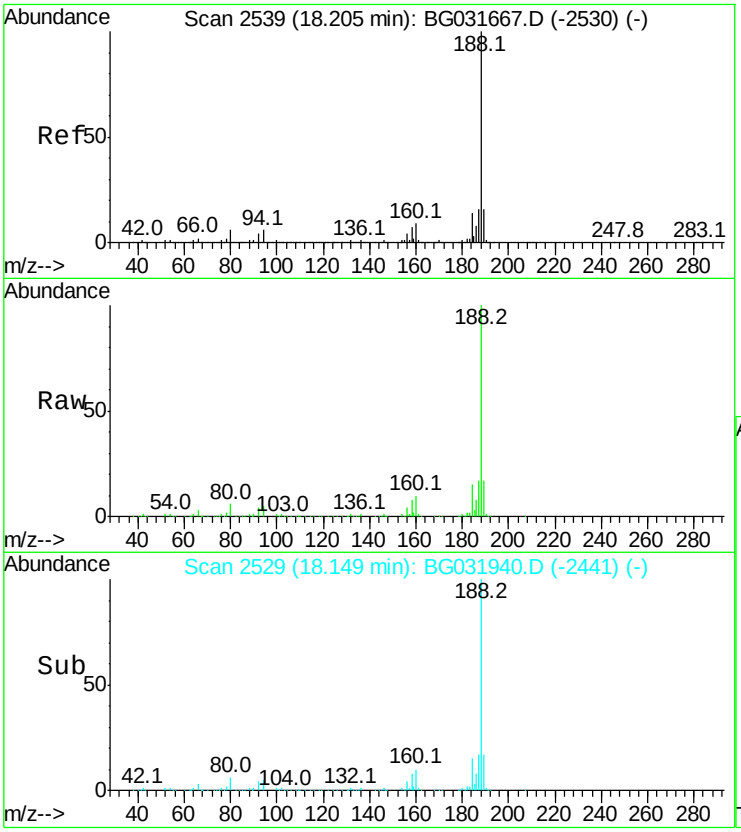




#56
2,4-Dinitrotoluene
Concen: 6.165 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.35 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:165 Resp: 18625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 42.0 | 63.0# |
| 89 | 2.9 | 66.9 | 100.3# |
| 182 | 0.0 | 2.6 | 3.8# |



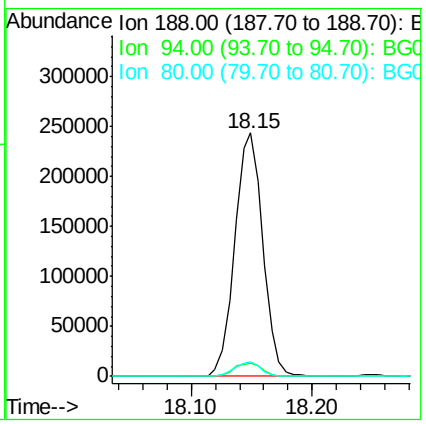


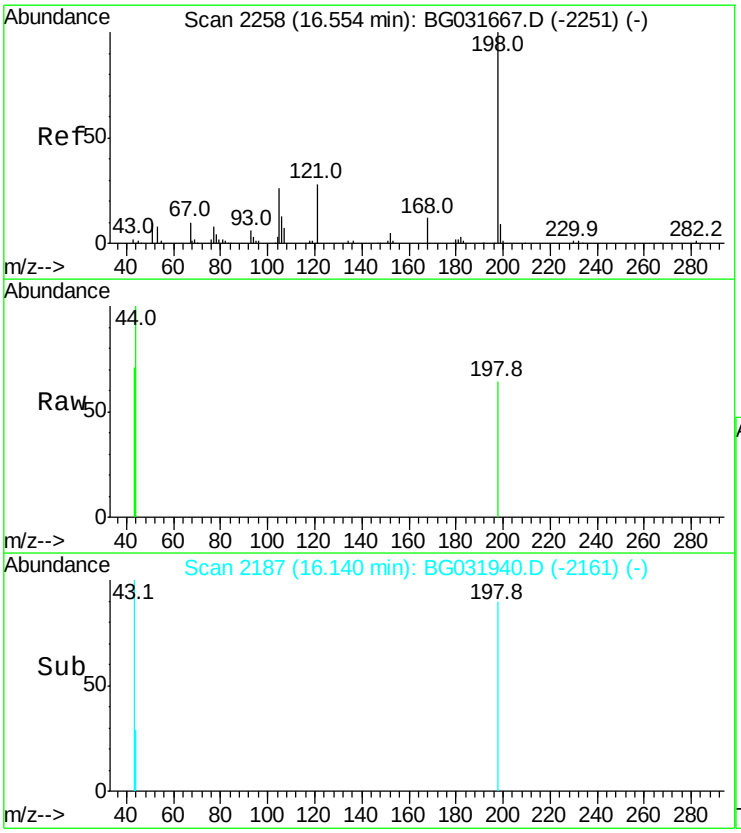

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:188 Resp: 393480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.4 | 6.9 | 10.3# |
| 80 | 5.8 | 7.7 | 11.5# |

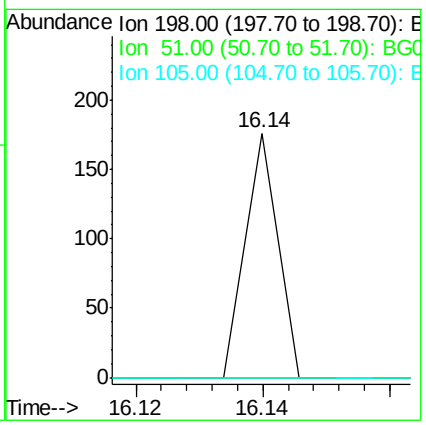


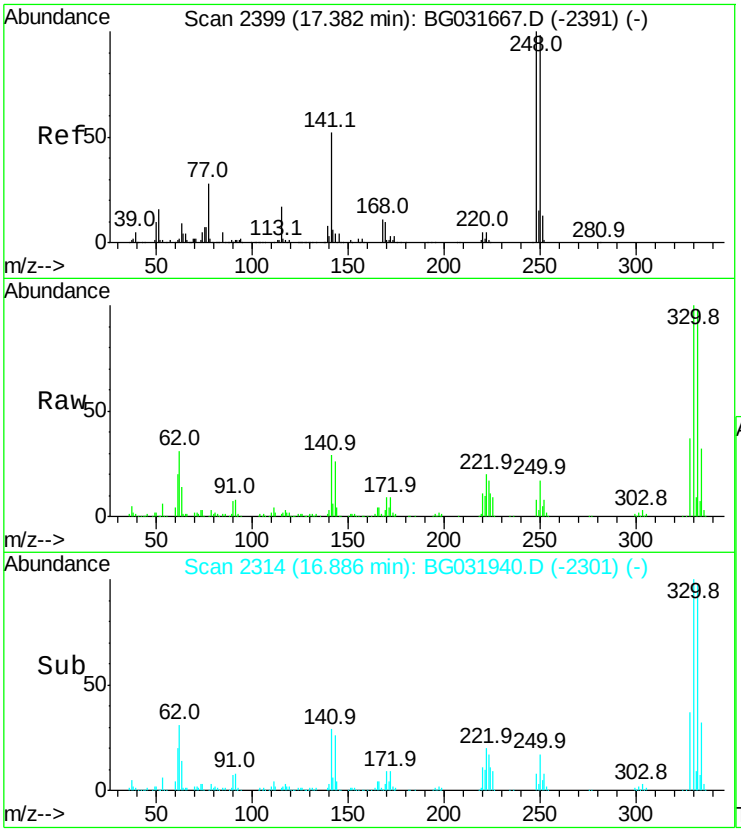




#64
4,6-Dinitro-2-methylphenol
Concen: 8.333 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.38 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:198 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 0.0 | 30.6 | 70.6# |
| 105 | 0.0 | 23.8 | 63.8# |



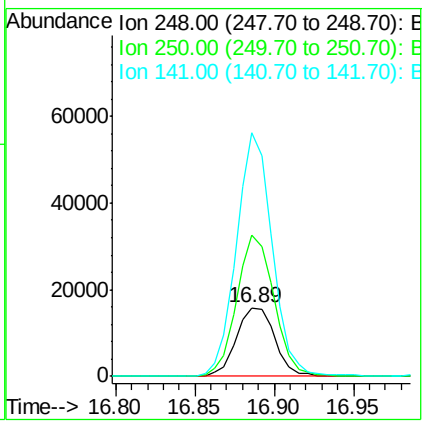


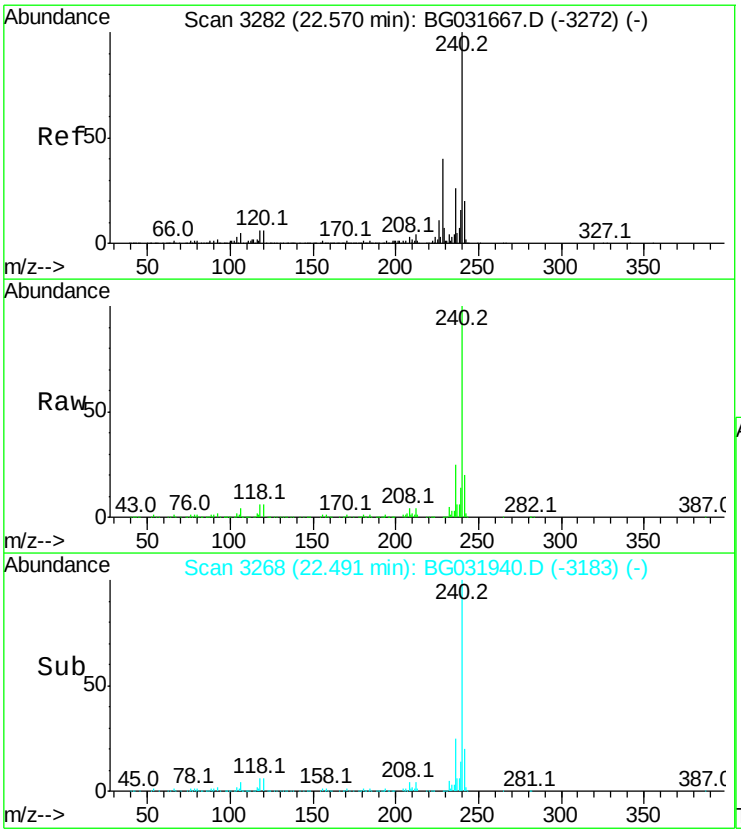

#66
4-Bromophenyl-phenylether
Concen: 4.676 ng
RT: 16.89 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:248 Resp: 26608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 204.9 | 77.1 | 115.7# |
| 141 | 354.0 | 50.8 | 76.2# |

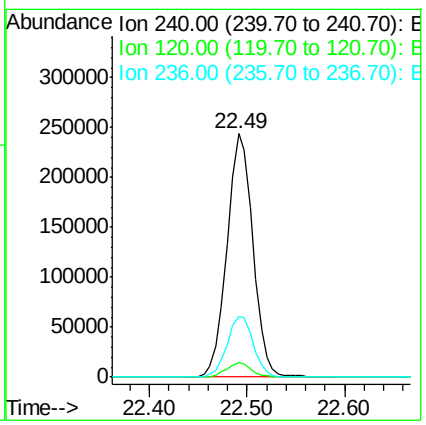


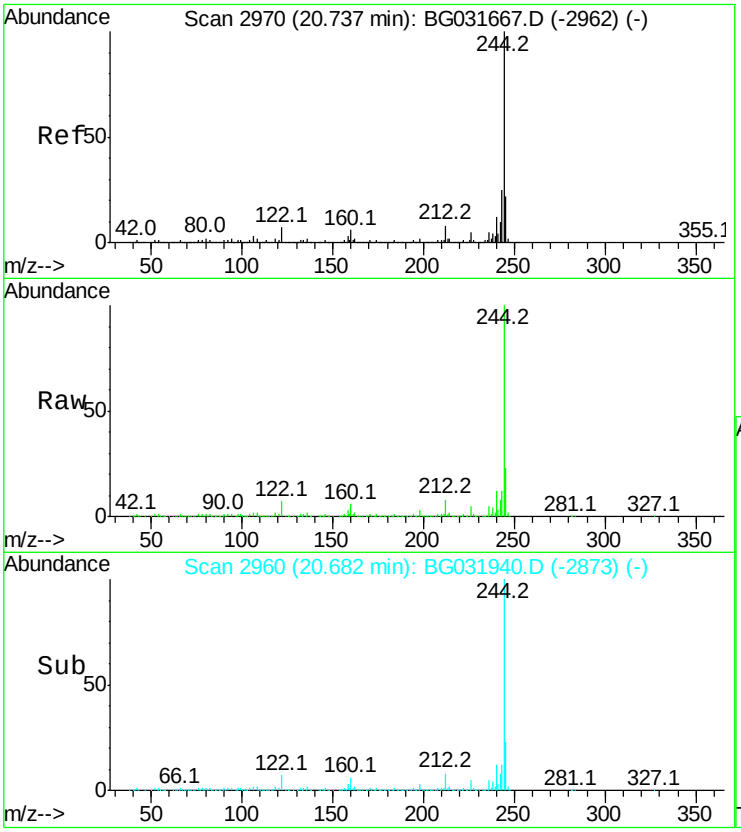




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.03 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:240 Resp: 449983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.9 | 6.8 | 10.2# |
| 236 | 24.8 | 20.9 | 31.3 |



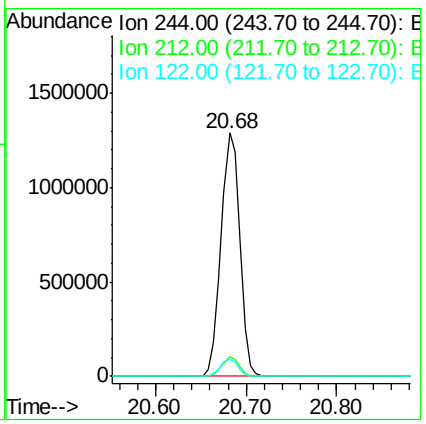


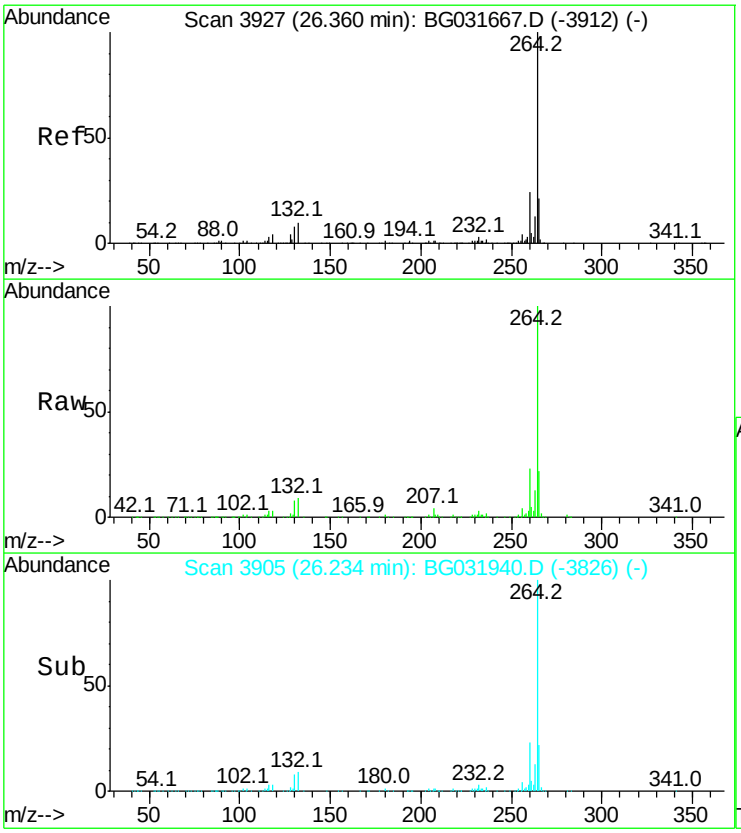

#78
Terphenyl-d14
Concen: 93.745 ng
RT: 20.68 min Scan# 2960
Delta R.T. -0.02 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

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

Tgt Ion:244 Resp: 1846392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 5.8 | 8.8 |
| 122 | 7.1 | 7.0 | 10.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.23 min Scan# 3905
Delta R.T. -0.06 min
Lab File: BG031940.D
Acq: 5 Jan 2018 19:45

Tgt Ion:264 Resp: 445358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 17.4 | 26.0 |
| 265 | 22.2 | 17.7 | 26.5 |