Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
Data File : BG031830.D
Acq On : 28 Dec 2017 18:12
Operator : SJ/JU
Sample : I6685-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 29 06:27:54 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.80 | 152 | 50029 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 11.69 | 136 | 196191 | 20.00 | ng | | -0.04 |
| 38) Acenaphthene-d10 | 15.43 | 164 | 134633 | 20.00 | ng | | -0.04 |
| 63) Phenanthrene-d10 | 18.16 | 188 | 369284 | 20.00 | ng | | -0.04 |
| 75) Chrysene-d12 | 22.51 | 240 | 434669 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 26.25 | 264 | 440844 | 20.00 | ng | | -0.11 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.23 | 112 | 374950 | 136.51 | ng | | -0.02 |
| 7) Phenol-d6 | 7.90 | 99 | 418559 | 117.37 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 10.00 | 82 | 301491 | 116.04 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 16.91 | 330 | 372115 | 181.14 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 14.06 | 172 | 1051986 | 98.07 | ng | | -0.04 |
| 78) Terphenyl-d14 | 20.70 | 244 | 1974150 | 103.76 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 8.31 | 77 | 9396 | 4.376 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 10.00 | 70 | 39864 | 16.368 | ng | # | 71 |
| 31) Naphthalene | 11.74 | 128 | 48845 | 4.933 | ng | # | 96 |
| 32) Benzoic acid | 10.84 | 122 | 72 | 6.725 | ng | # | 1 |
| 50) 2,6-Dinitrotoluene | 15.43 | 165 | 17188 | 7.878 | ng | # | 18 |
| 56) 2,4-Dinitrotoluene | 15.43 | 165 | 17188 | 6.126 | ng | # | 16 |
| 64) 4,6-Dinitro-2-methylphenol | 16.90 | 198 | 851 | 8.698 | ng | # | 56 |
| 66) 4-Bromophenyl-phenylether | 16.90 | 248 | 29604 | 5.544 | ng | # | 1 |

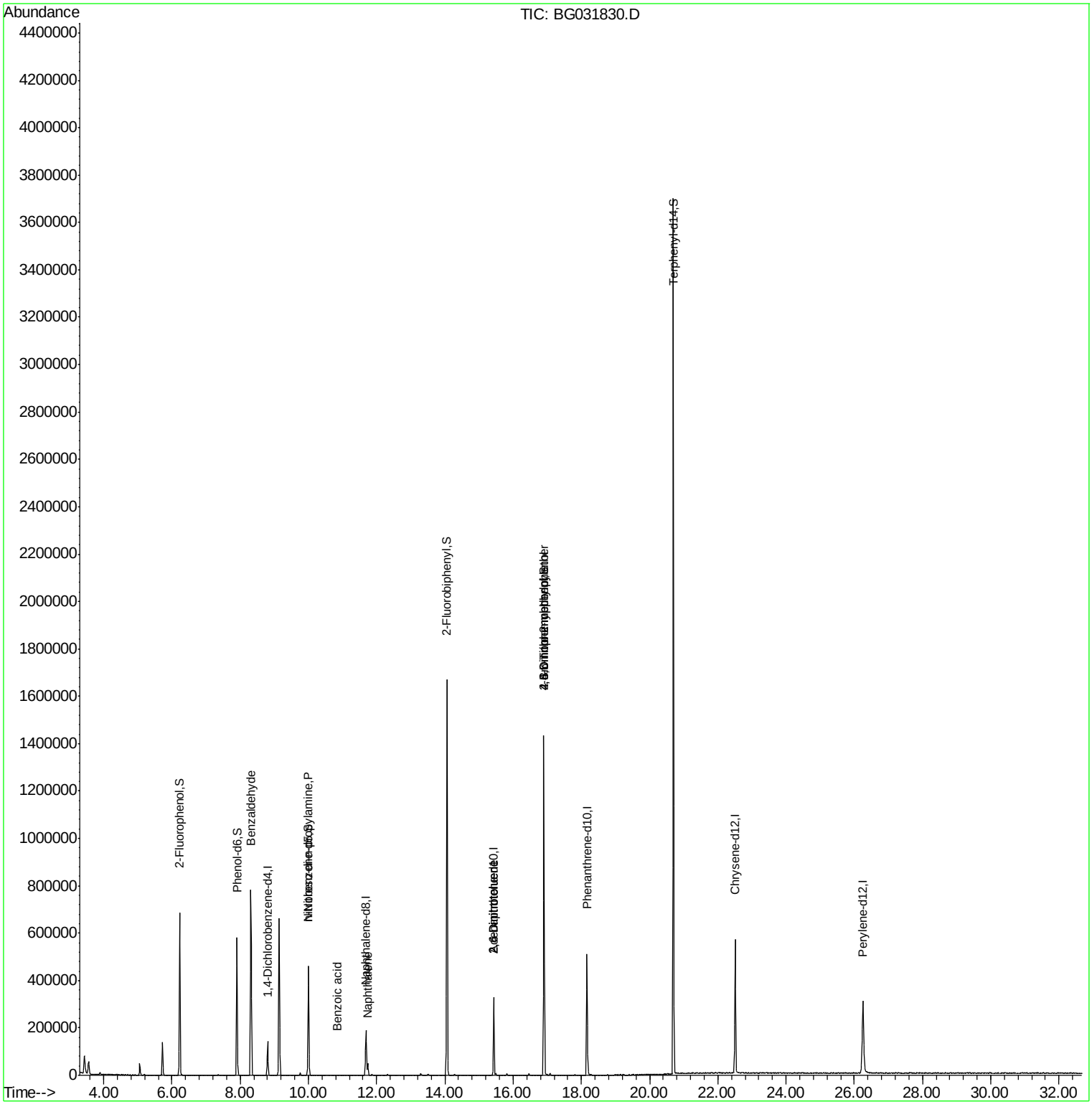
(#) = qualifier out of range (m) = manual integration (+) = signals summed

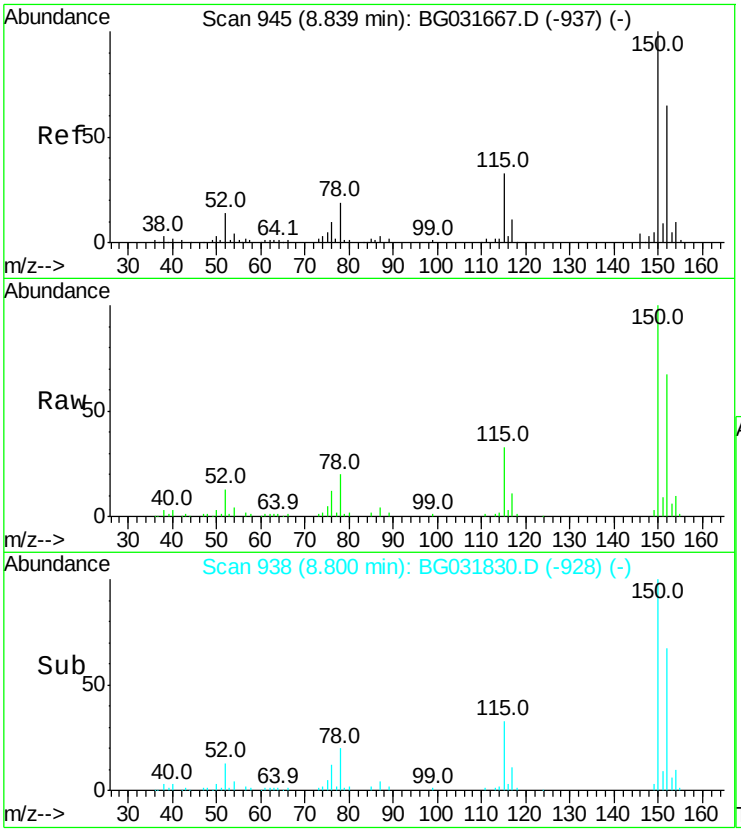
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
Data File : BG031830.D
Acq On : 28 Dec 2017 18:12
Operator : SJ/JU
Sample : I6685-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 29 06:27:54 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration



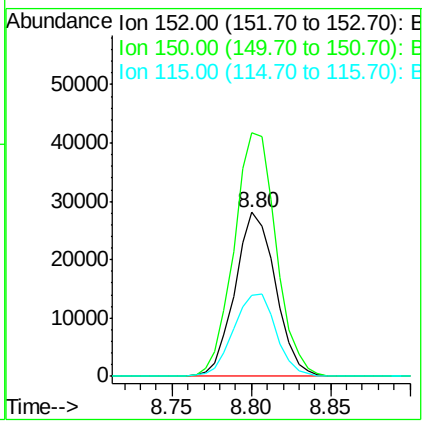


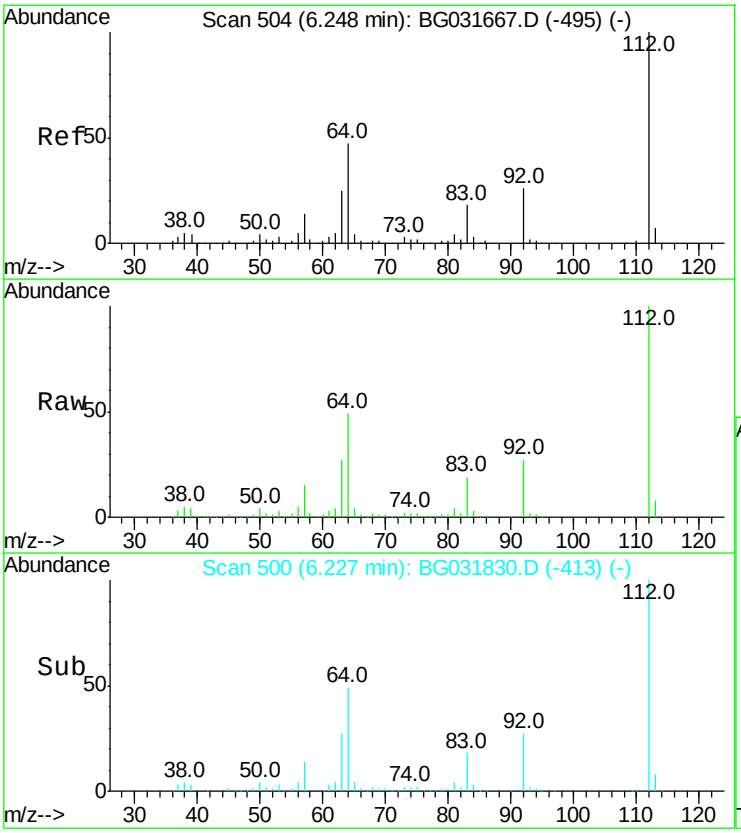

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 938
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:152 Resp: 50029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.7 | 126.6 | 189.8 |
| 115 | 49.6 | 53.0 | 79.4# |

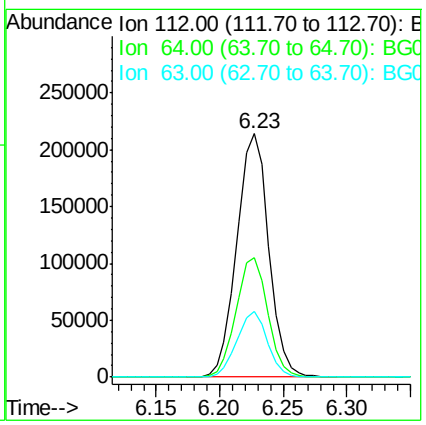


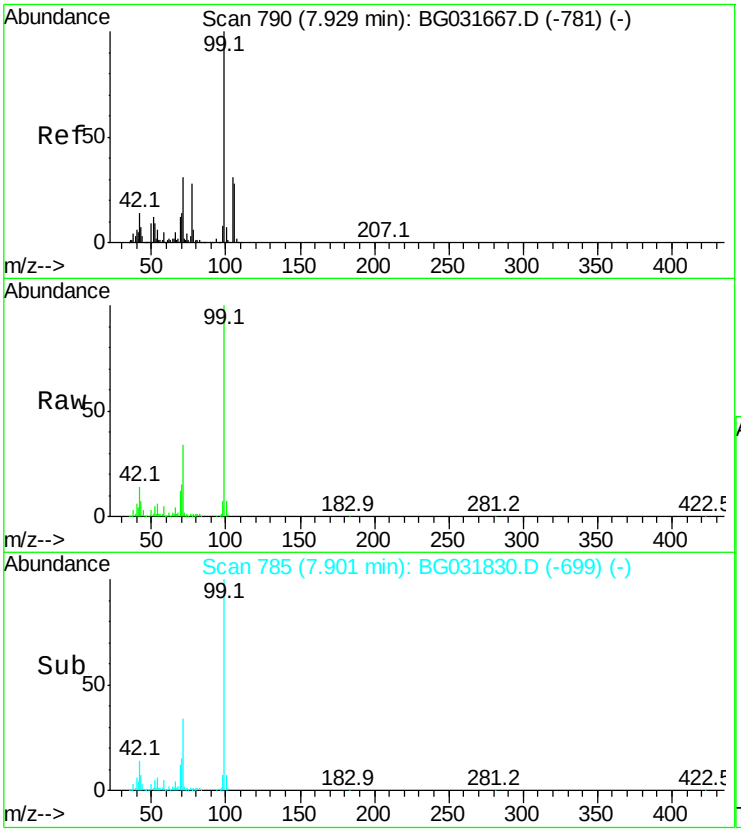




#5
2-Fluorophenol
Concen: 136.506 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:112 Resp: 374950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.2 | 56.3 | 84.5# |
| 63 | 26.8 | 30.1 | 45.1# |



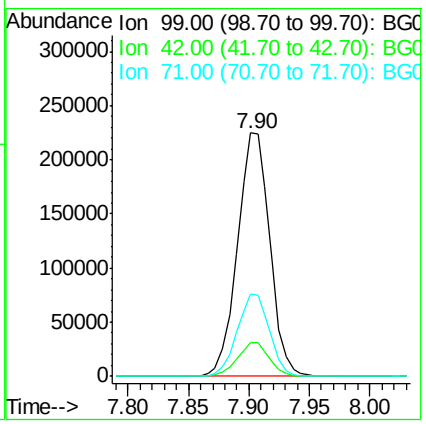


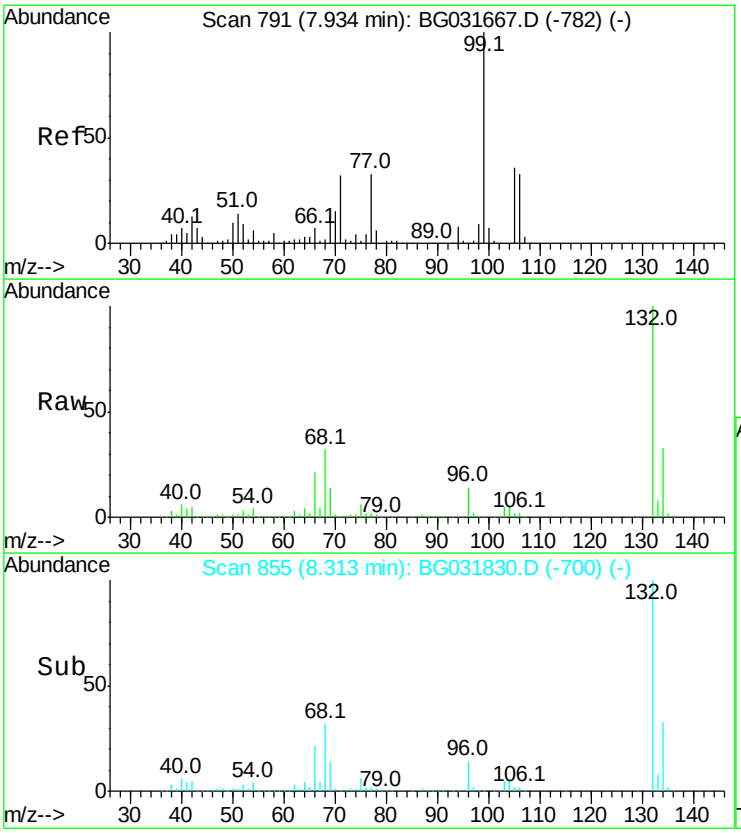

#7
Phenol-d6
Concen: 117.368 ng
RT: 7.90 min Scan# 785
Delta R.T. -0.03 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion: 99 Resp: 418559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.8 | 14.1 | 21.1# |
| 71 | 33.9 | 26.1 | 39.1 |

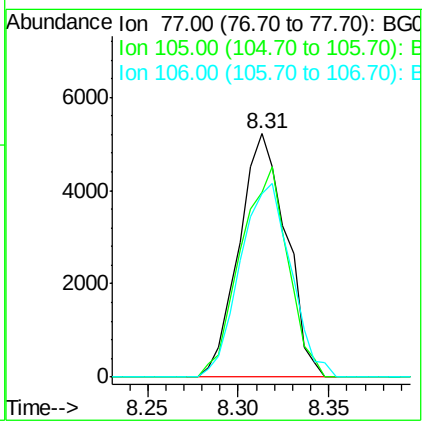


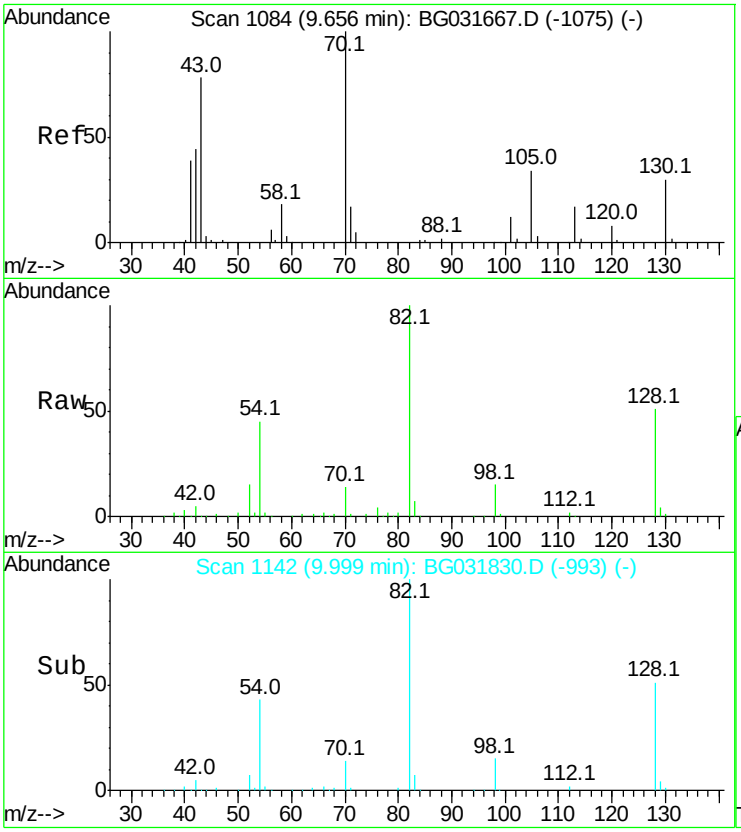




#9
Benzaldehyde
Concen: 4.376 ng
RT: 8.31 min Scan# 855
Delta R.T. 0.38 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion: 77 Resp: 9396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 76.0 | 71.3 | 111.3 |
| 106 | 75.2 | 64.2 | 104.2 |



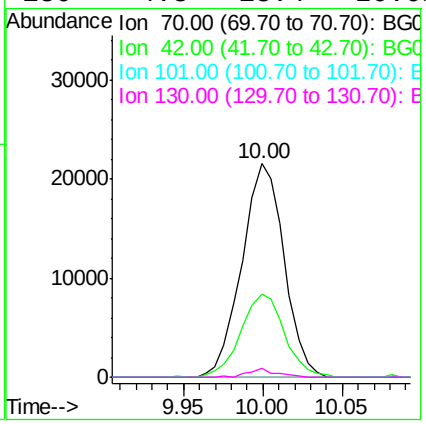


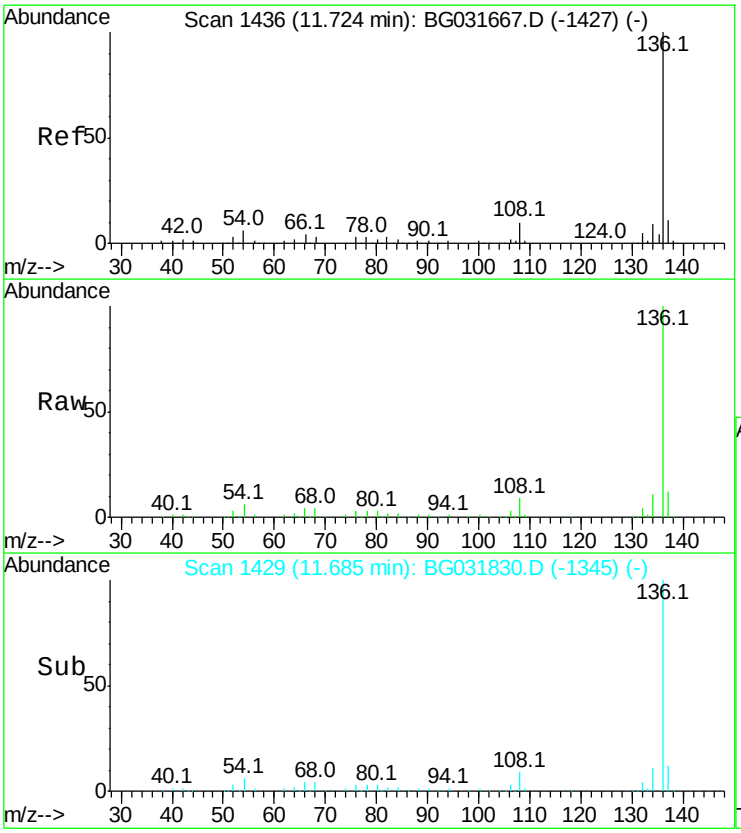

#19
n-Nitroso-di-n-propylamine
Concen: 16.368 ng
RT: 10.00 min Scan# 1142
Delta R.T. 0.34 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion: 70 Resp: 39864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.0 | 49.1 | 73.7# |
| 101 | 0.0 | 8.5 | 12.7# |
| 130 | 4.3 | 13.4 | 20.0# |

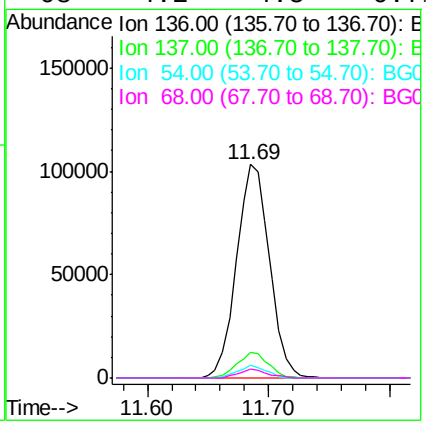


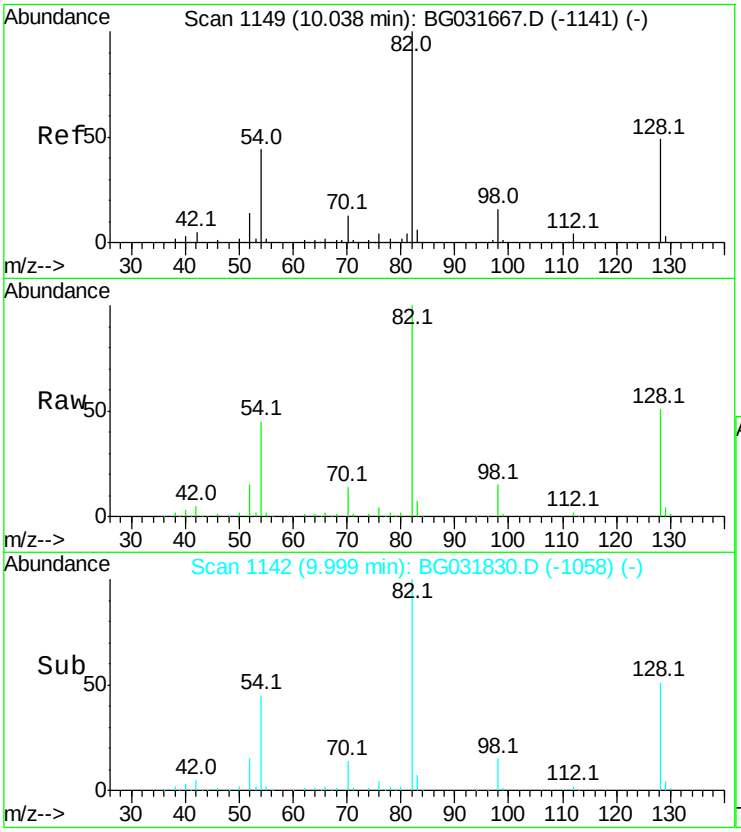




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1429
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:136 Resp: 196191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.2 | 13.8 |
| 54 | 5.7 | 10.3 | 15.5# |
| 68 | 4.2 | 4.5 | 6.7# |



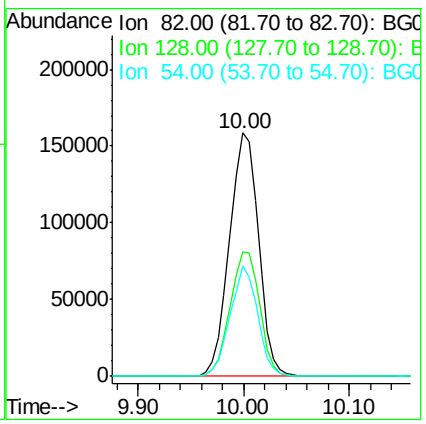


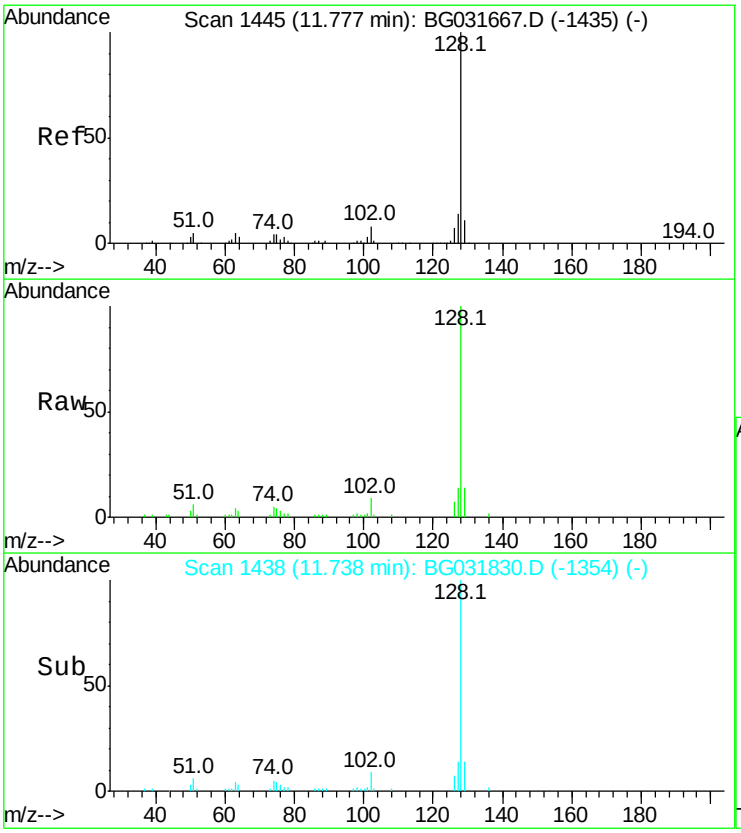

#23
Nitrobenzene-d5
Concen: 116.041 ng
RT: 10.00 min Scan# 1142
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion: 82 Resp: 301491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.2 | 29.7 | 44.5# |
| 54 | 45.4 | 43.1 | 64.7 |

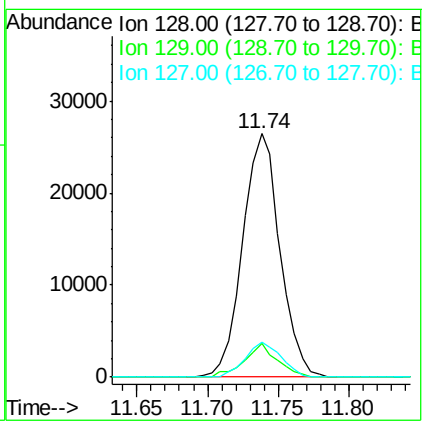


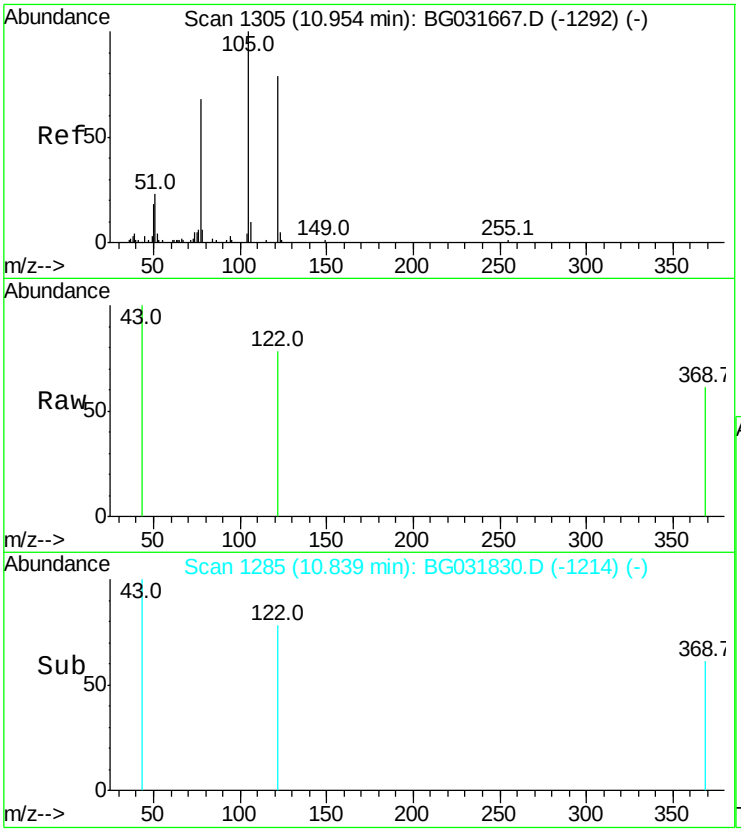




#31
Naphthalene
Concen: 4.933 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:128 Resp: 48845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.9 | 8.6 | 12.8# |
| 127 | 14.2 | 11.6 | 17.4 |



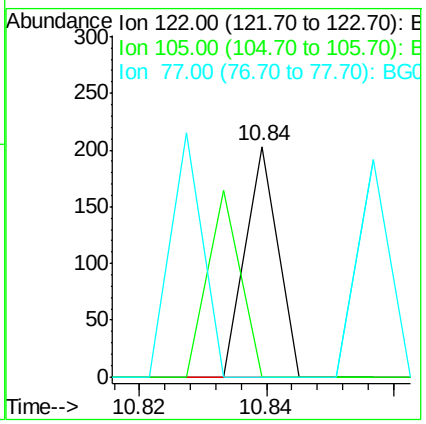


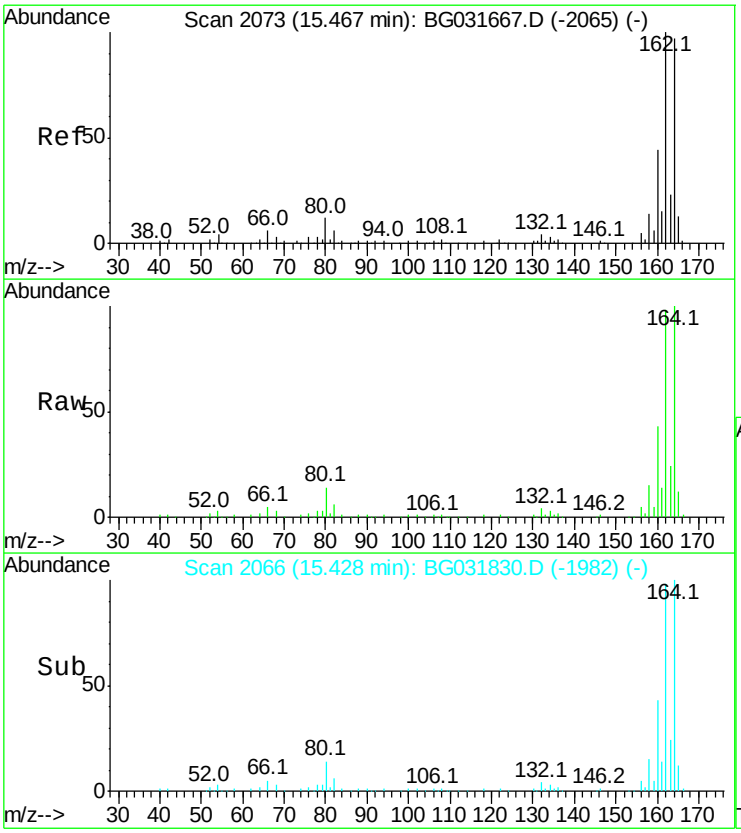

#32
Benzoic acid
Concen: 6.725 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.11 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:122 Resp: 72

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

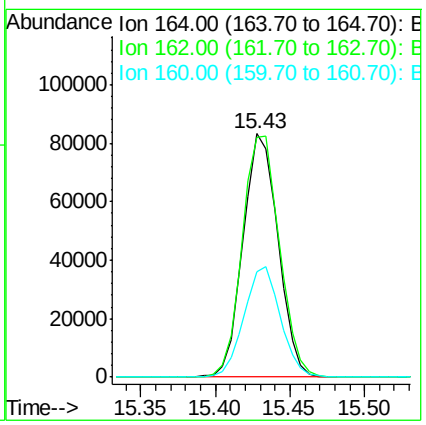


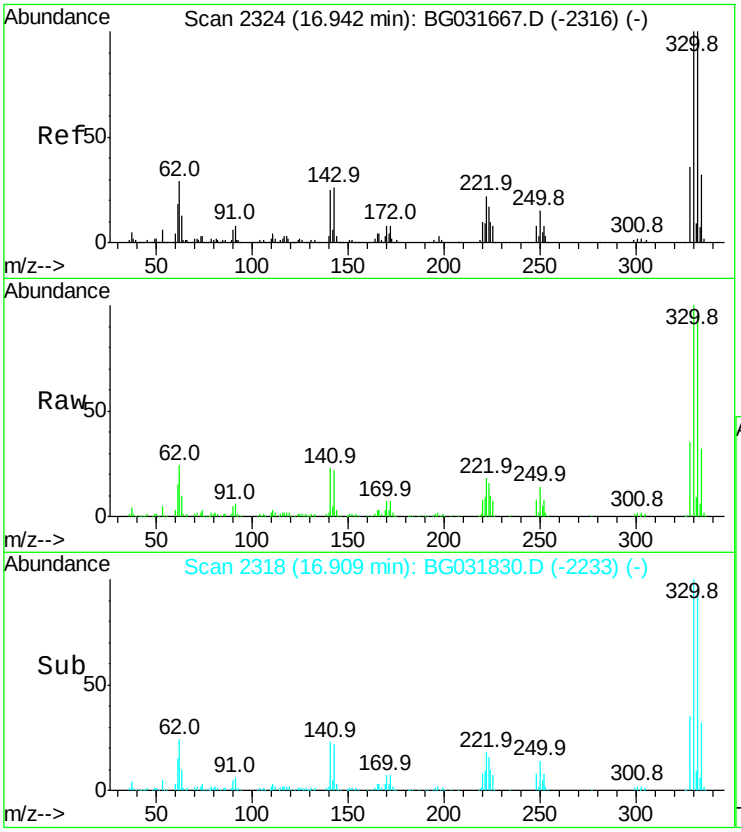




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.43 min Scan# 2066
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:164 Resp: 134633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.2 | 78.8 | 118.2 |
| 160 | 43.5 | 35.4 | 53.0 |



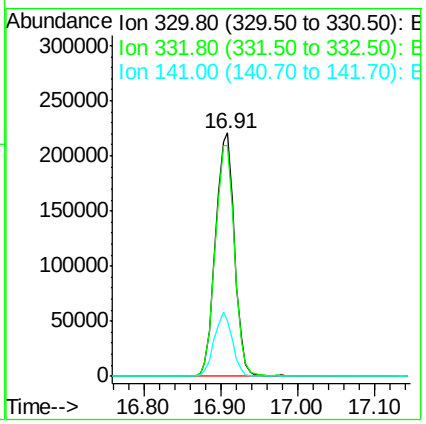


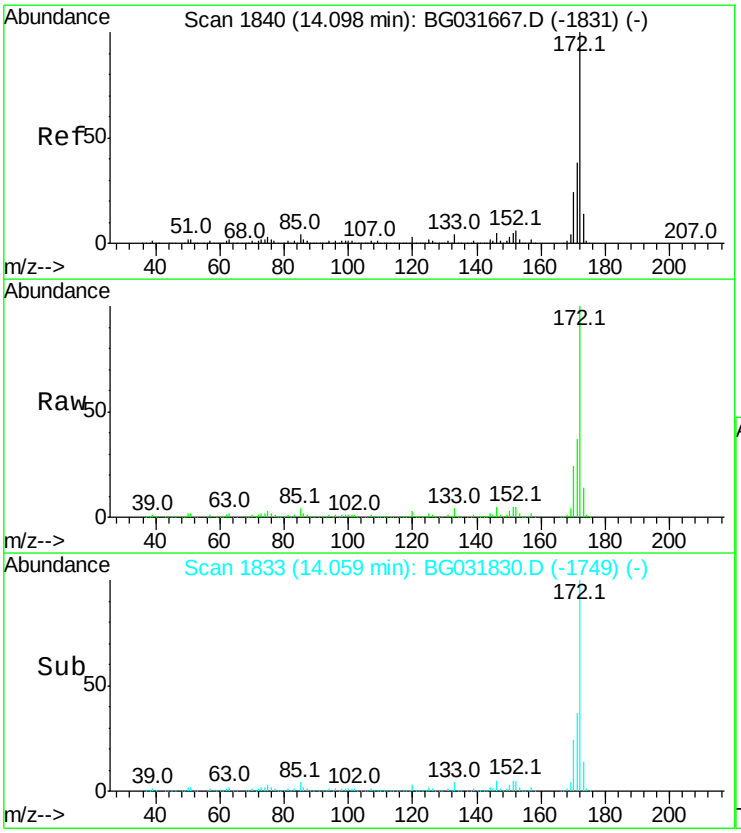

#41
2,4,6-Tribromophenol
Concen: 181.138 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.03 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:330 Resp: 372115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.0 | 115.6 |
| 141 | 25.2 | 25.2 | 37.8 |

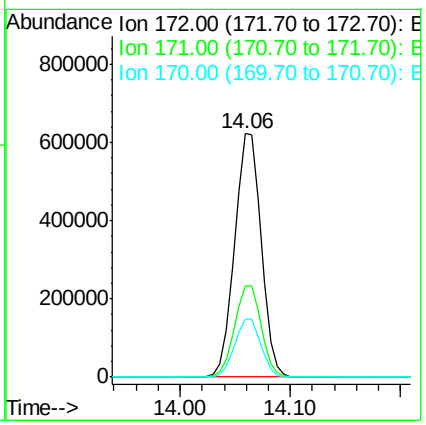


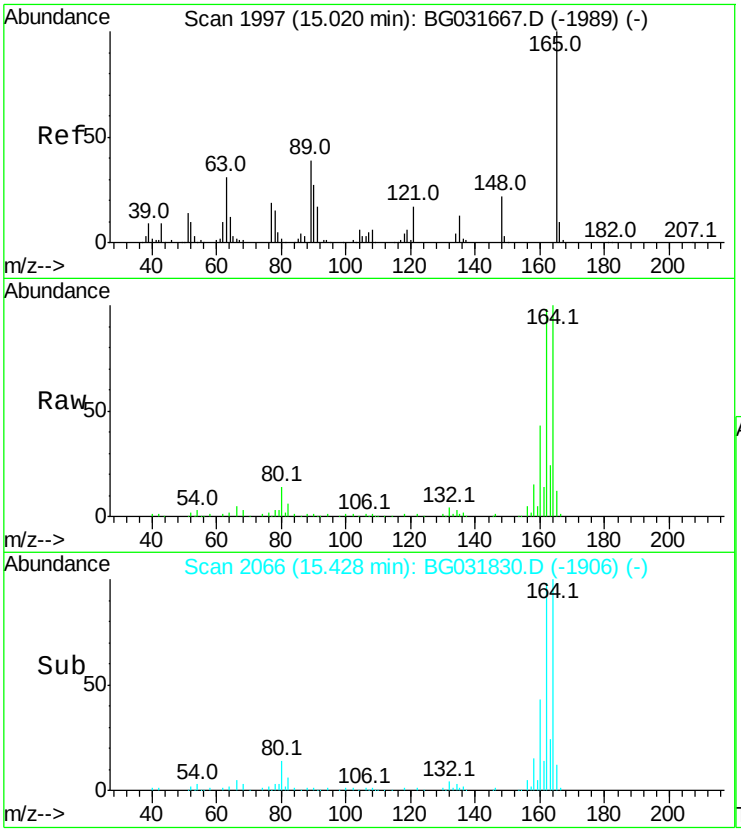




#44
2-Fluorobiphenyl
Concen: 98.073 ng
RT: 14.06 min Scan# 1833
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:172 Resp: 1051986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.4 | 30.0 | 45.0 |
| 170 | 23.8 | 19.5 | 29.3 |



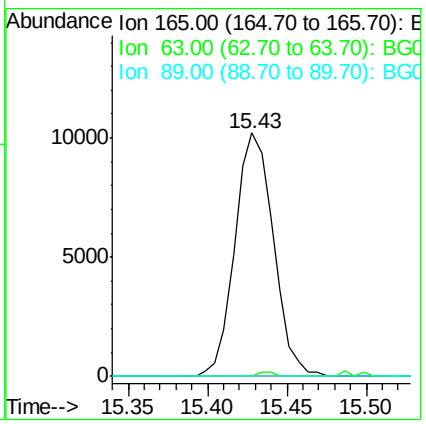


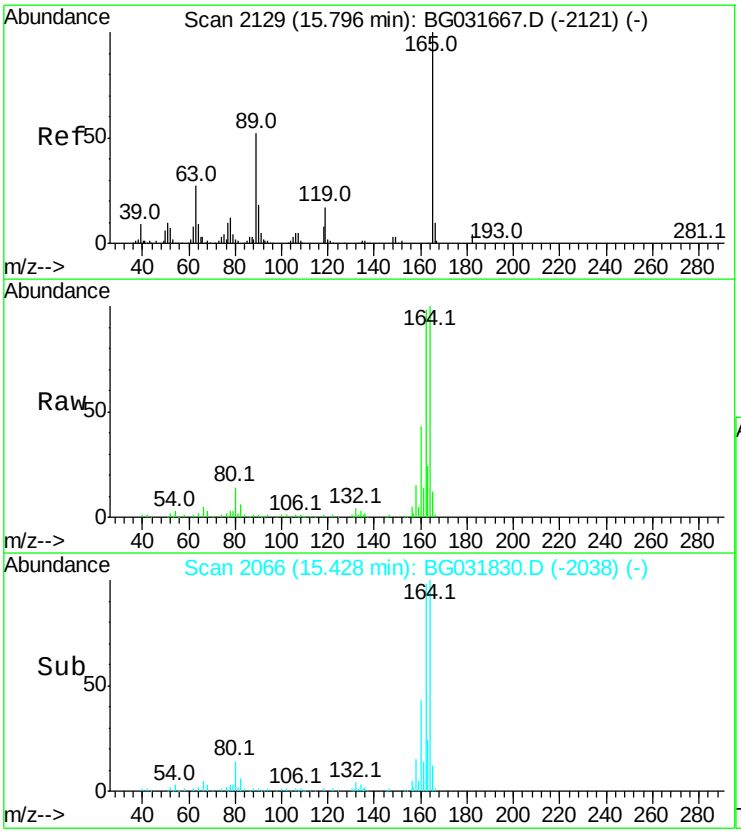

#50
2,6-Dinitrotoluene
Concen: 7.878 ng
RT: 15.43 min Scan# 2066
Delta R.T. 0.41 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:165 Resp: 17188

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

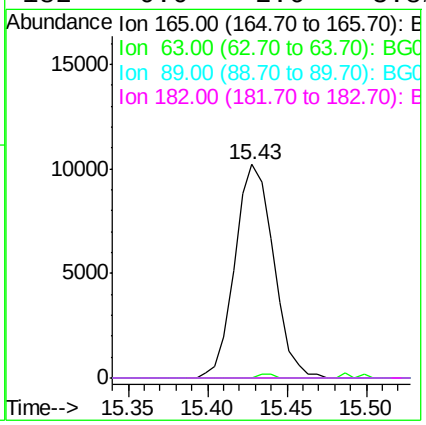


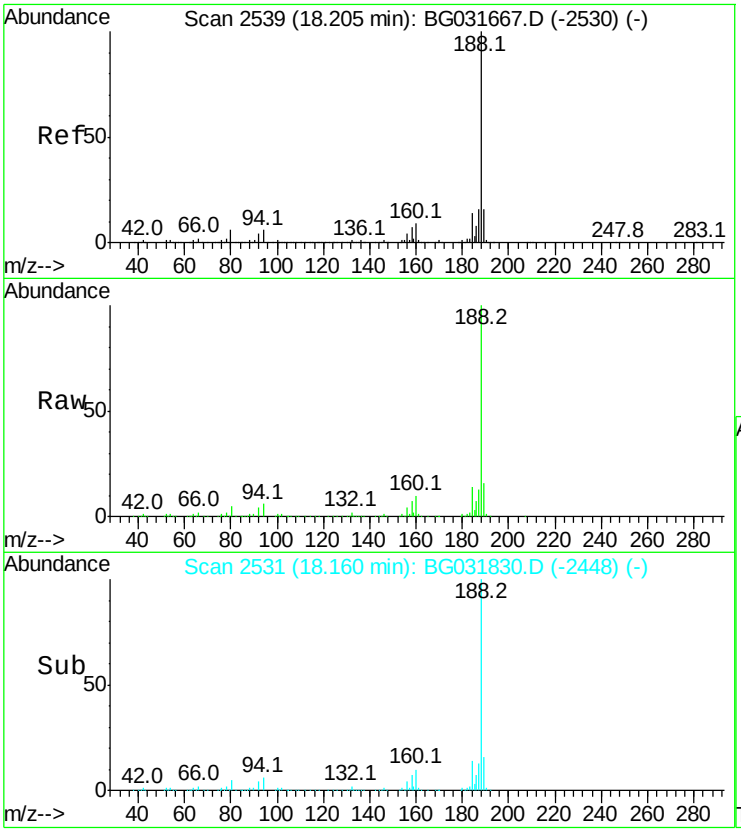




#56
2,4-Dinitrotoluene
Concen: 6.126 ng
RT: 15.43 min Scan# 2066
Delta R.T. -0.37 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:165 Resp: 17188

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



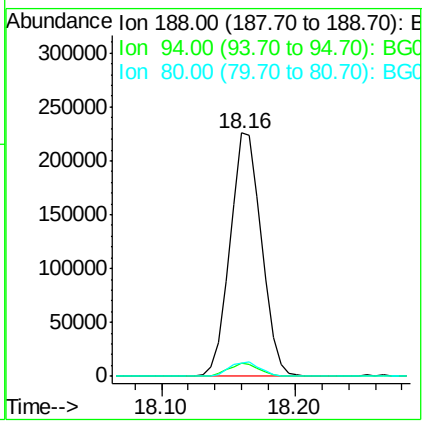


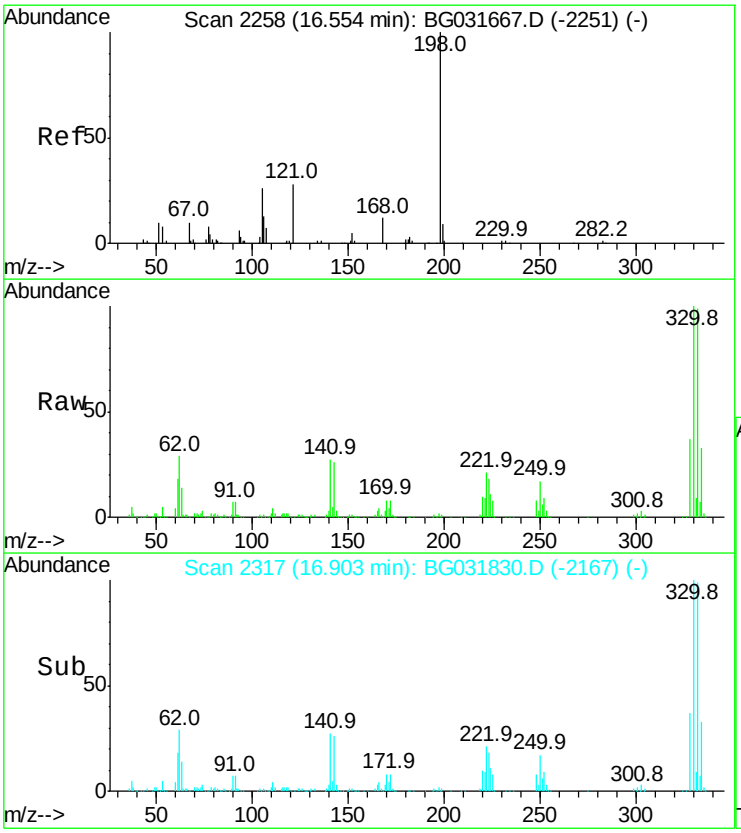

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.16 min Scan# 2531
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:188 Resp: 369284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.5 | 6.9 | 10.3# |
| 80 | 5.2 | 7.7 | 11.5# |

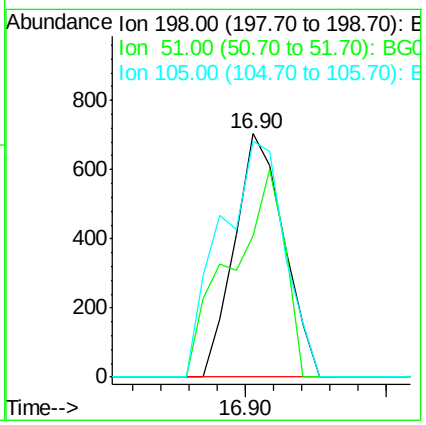


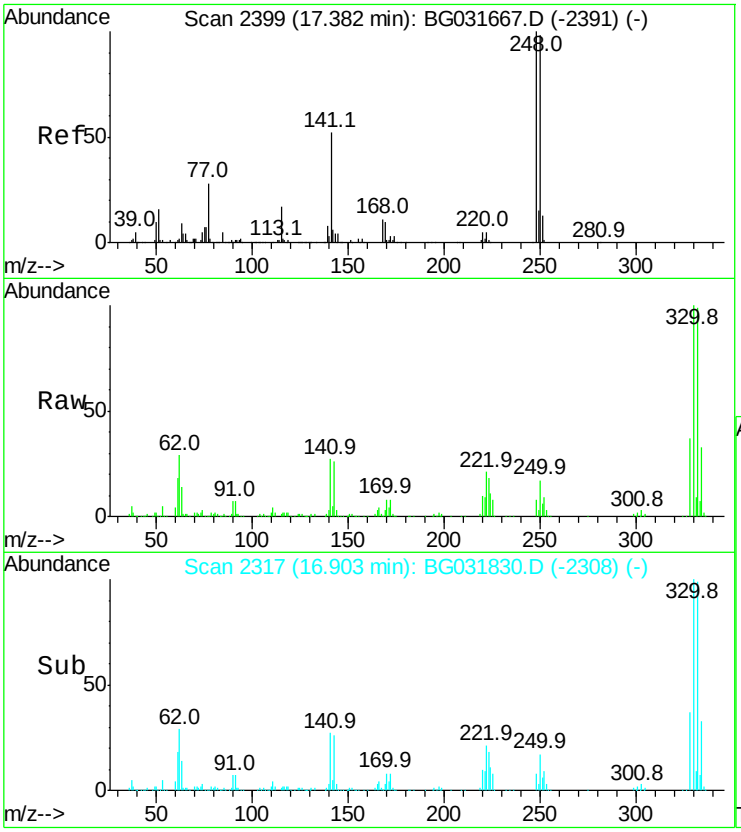




#64
4,6-Dinitro-2-methylphenol
Concen: 8.698 ng
RT: 16.90 min Scan# 2317
Delta R.T. 0.35 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:198 Resp: 851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 58.0 | 30.6 | 70.6 |
| 105 | 97.0 | 23.8 | 63.8# |



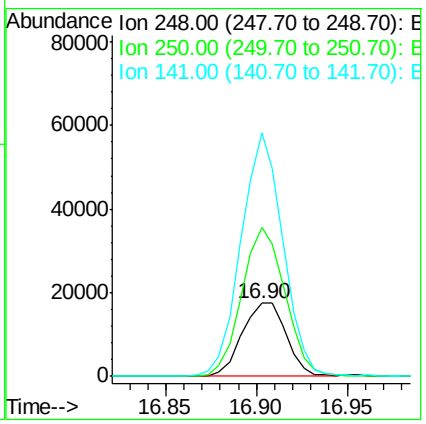


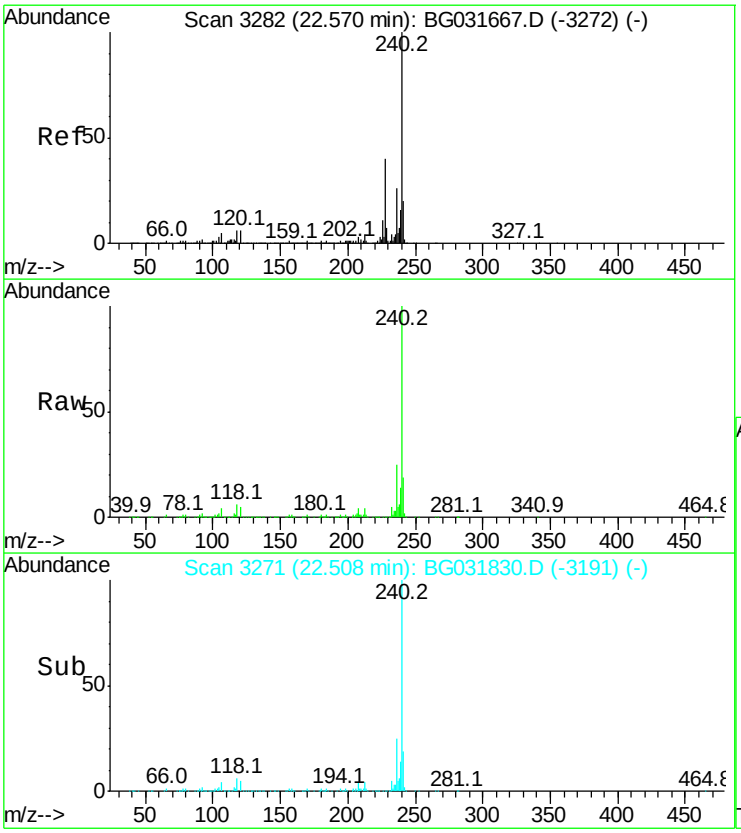

#66
4-Bromophenyl-phenylether
Concen: 5.544 ng
RT: 16.90 min Scan# 2317
Delta R.T. -0.48 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:248 Resp: 29604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 204.4 | 77.1 | 115.7# |
| 141 | 333.2 | 50.8 | 76.2# |

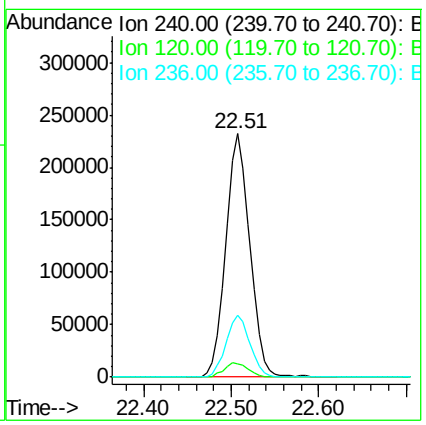


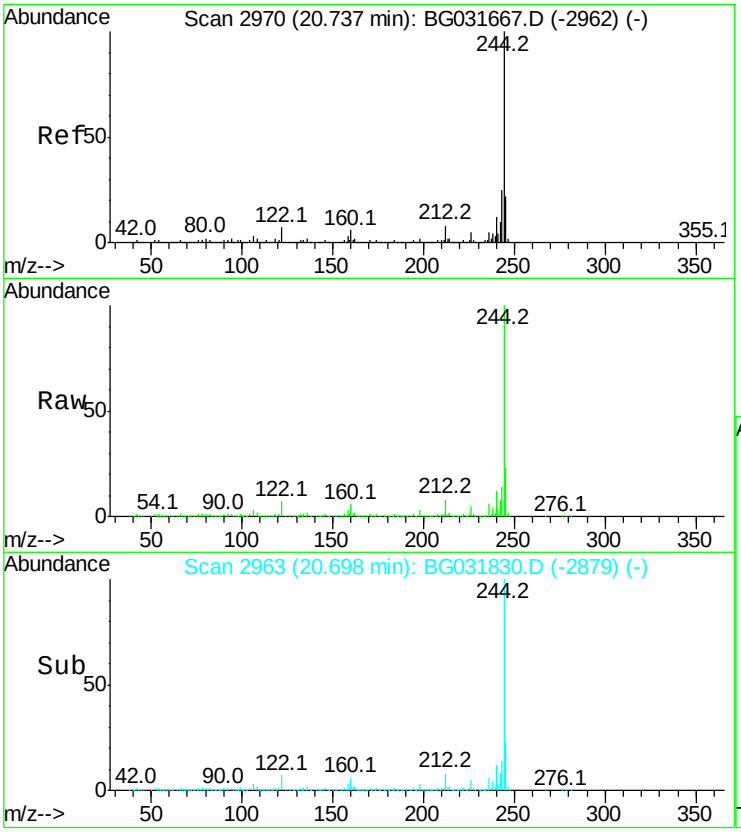




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.51 min Scan# 3271
Delta R.T. -0.06 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:240 Resp: 434669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.4 | 6.8 | 10.2# |
| 236 | 25.5 | 20.9 | 31.3 |



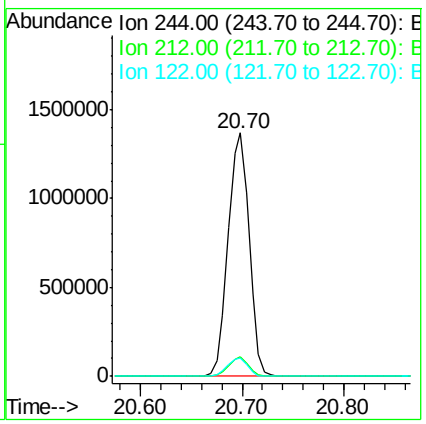


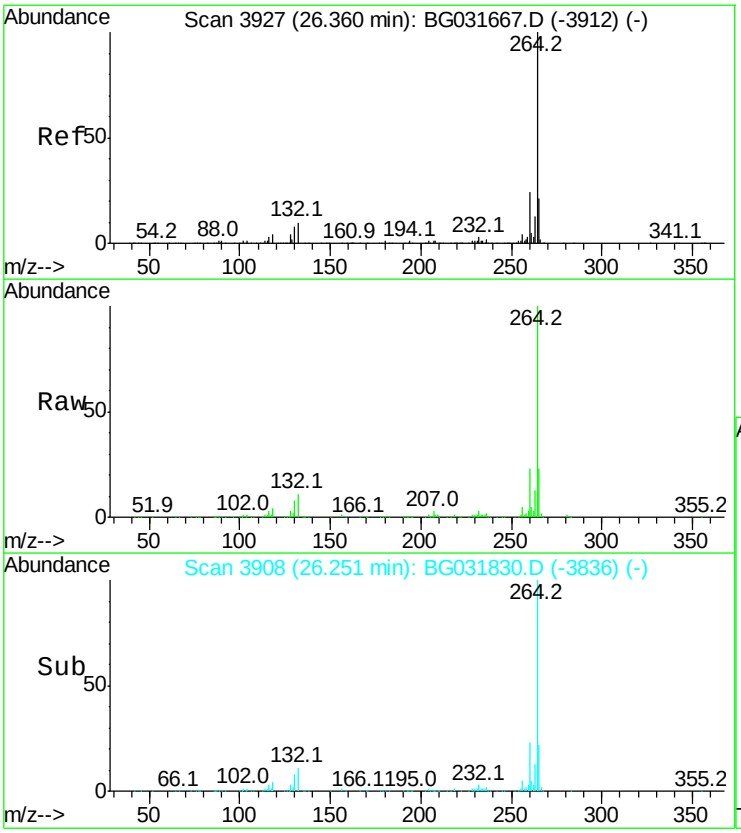

#78
Terphenyl-d14
Concen: 103.763 ng
RT: 20.70 min Scan# 2963
Delta R.T. -0.04 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

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

Tgt Ion:244 Resp: 1974150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 5.8 | 8.8 |
| 122 | 7.4 | 7.0 | 10.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.25 min Scan# 3908
Delta R.T. -0.11 min
Lab File: BG031830.D
Acq: 28 Dec 2017 18:12

Tgt Ion:264 Resp: 440844

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