Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
Data File : BF107765.D
Acq On : 27 Jul 2018 23:58
Operator : JU/SJ
Sample : J4184-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-7BS

Quant Time: Jul 28 01:19:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 168840 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.24 | 136 | 657291 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 262509 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 448758 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.15 | 240 | 436034 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.68 | 264 | 338022 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 498712 | 47.49 | ng | | -0.01 |
| 7) Phenol-d6 | 6.60 | 99 | 424394 | 33.66 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 1001360 | 102.82 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 376712 | 126.20 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 1773078 | 136.10 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.08 | 244 | 1495717 | 87.82 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.53 | 70 | 122578 | 15.048 | ng | # | 78 |
| 25) Isophorone | 7.53 | 82 | 1010403 | 48.588 | ng | # | 64 |
| 31) Naphthalene | 8.27 | 128 | 1154944 | 39.958 | ng | | 99 |
| 32) Benzoic acid | 8.04 | 122 | 2355 | 8.216 | ng | # | 1 |
| 33) 4-Chloroaniline | 8.27 | 127 | 150211 | 11.890 | ng | # | 35 |
| 37) 2-Methylnaphthalene | 9.05 | 142 | 314327 | 15.693 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 134414 | 5.878 | ng | | 97 |
| 48) Acenaphthylene | 9.86 | 152 | 175897 | 6.699 | ng | | 97 |
| 51) Acenaphthene | 10.04 | 154 | 285622 | 17.361 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.15 | 184 | 218 | 8.443 | ng | # | 1 |
| 57) Fluorene | 10.55 | 166 | 107343 | 6.212 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.75 | 198 | 858 | 9.005 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 22271 | 4.216 | ng | # | 1 |
| 70) Phenanthrene | 11.52 | 178 | 334197 | 15.282 | ng | | 97 |
| 71) Anthracene | 11.58 | 178 | 68807 | 3.125 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 6384 | Below Cal | | # | 85 |
| 77) Pyrene | 12.94 | 202 | 62237 | 2.087 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 411 | Below Cal | | # | 27 |

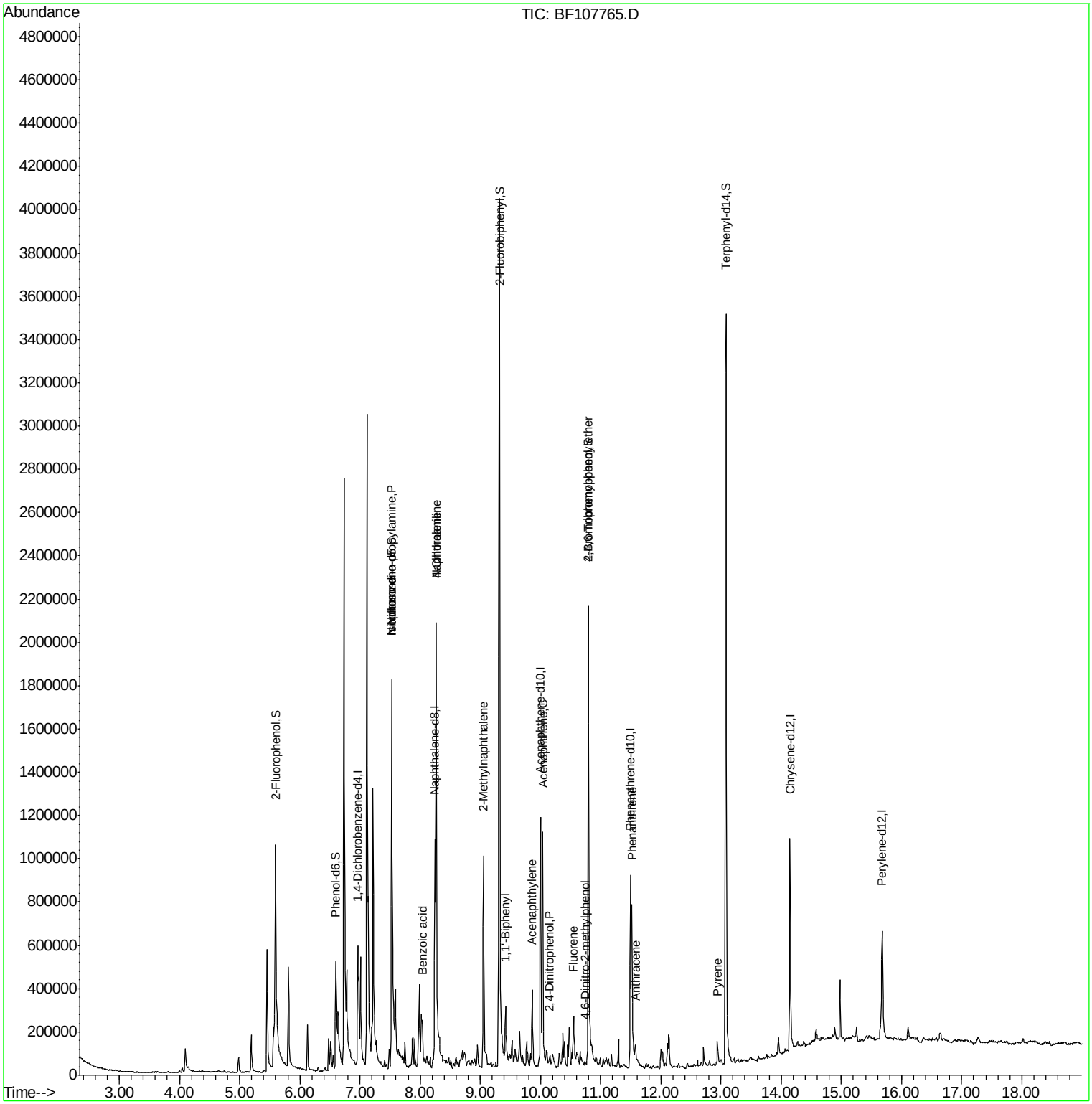
(#) = qualifier out of range (m) = manual integration (+) = signals summed

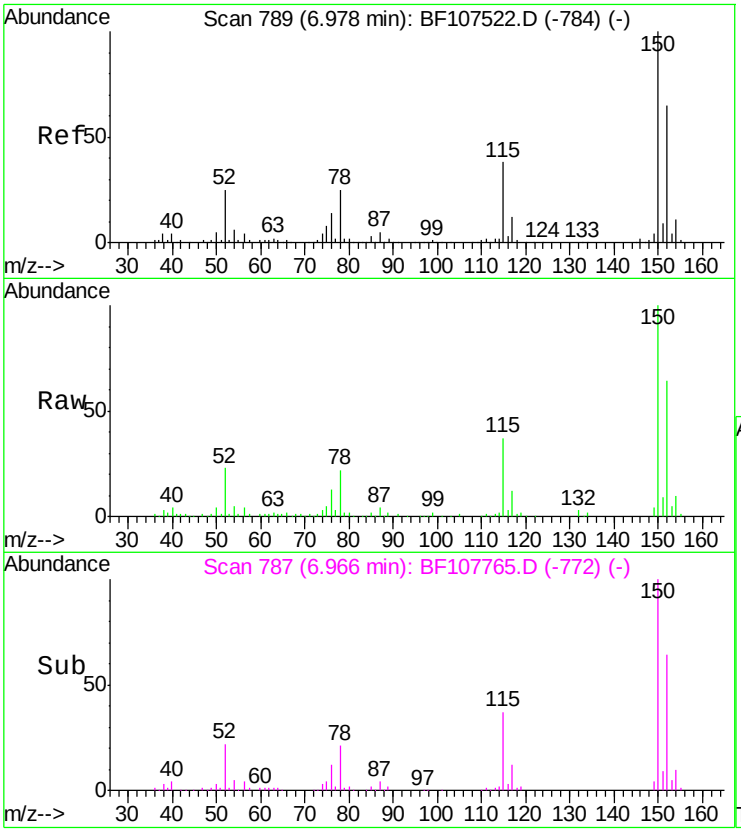
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
Data File : BF107765.D
Acq On : 27 Jul 2018 23:58
Operator : JU/SJ
Sample : J4184-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Quant Time: Jul 28 01:19:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



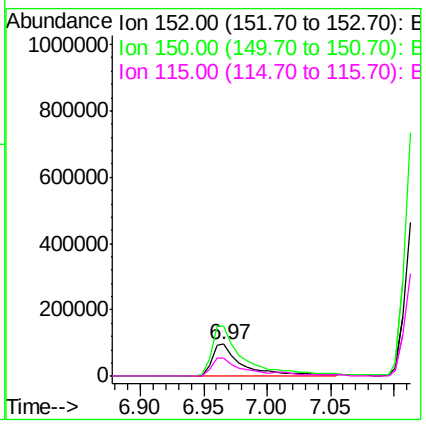


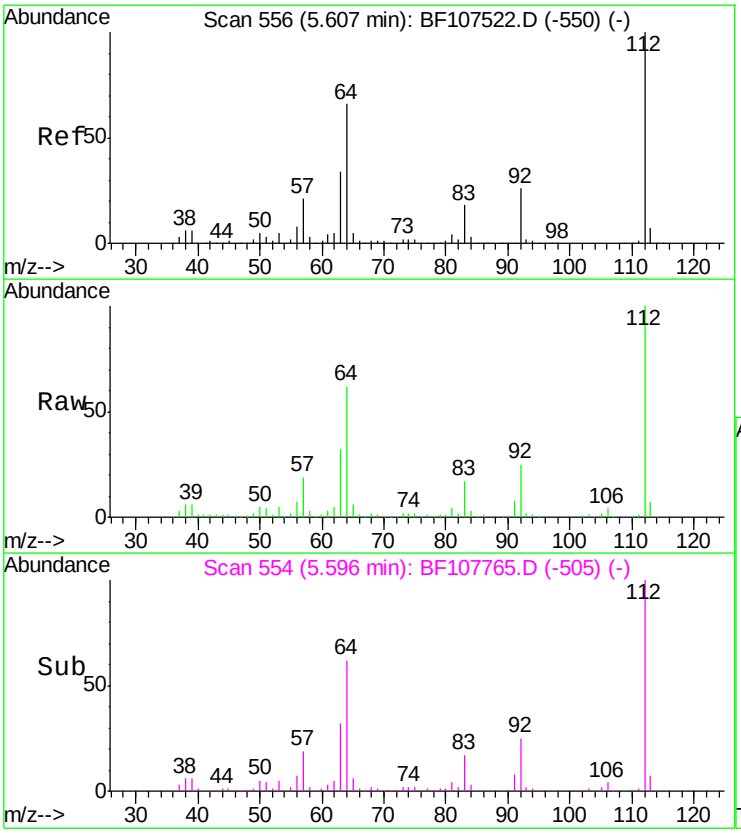

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:152 Resp: 168840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 124.6 | 186.8 |
| 115 | 58.6 | 50.1 | 75.1 |

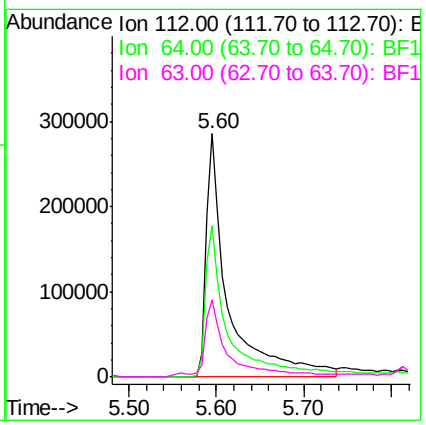


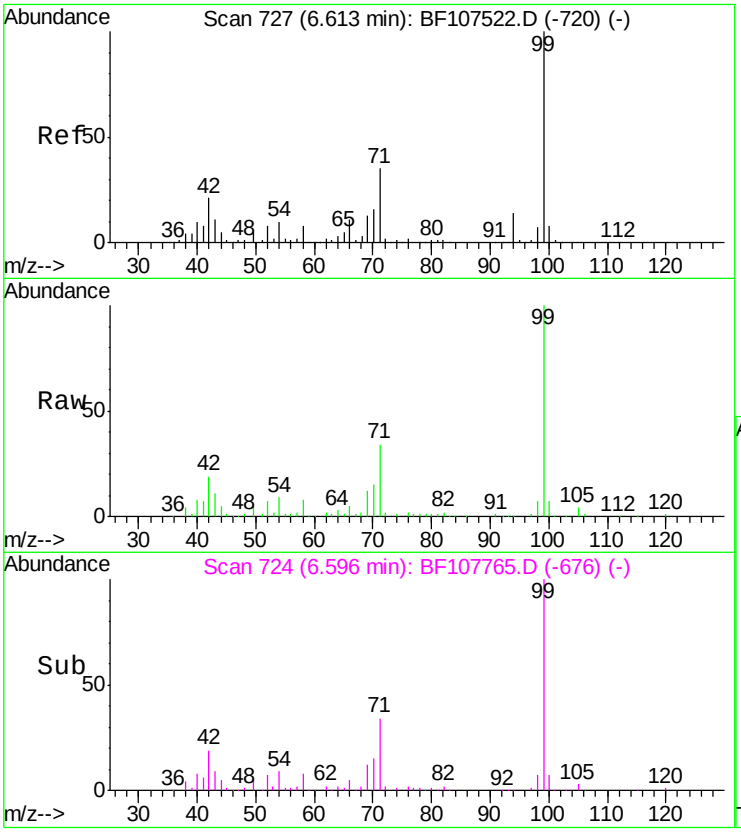




#5
2-Fluorophenol
Concen: 47.491 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:112 Resp: 498712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.2 | 47.9 | 71.9 |
| 63 | 31.8 | 23.7 | 35.5 |



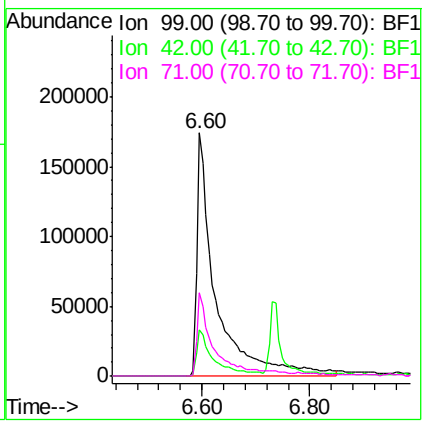


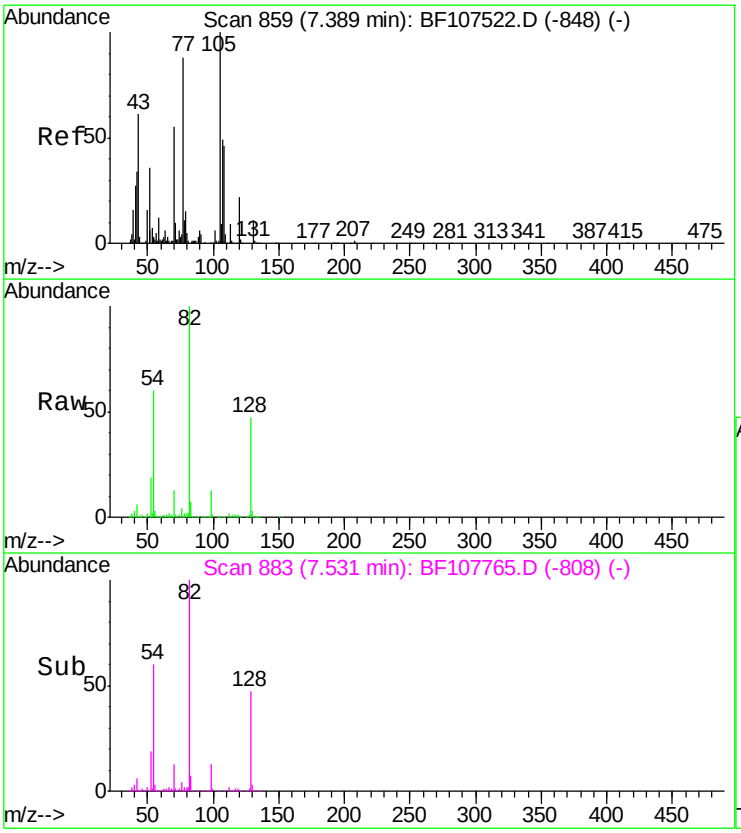

#7
Phenol-d6
Concen: 33.657 ng
RT: 6.60 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion: 99 Resp: 424394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 14.5 | 21.7 |
| 71 | 34.4 | 25.4 | 38.0 |

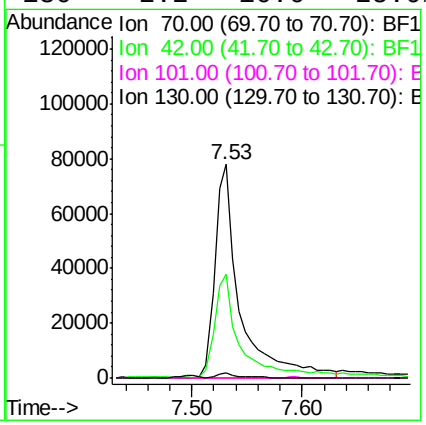


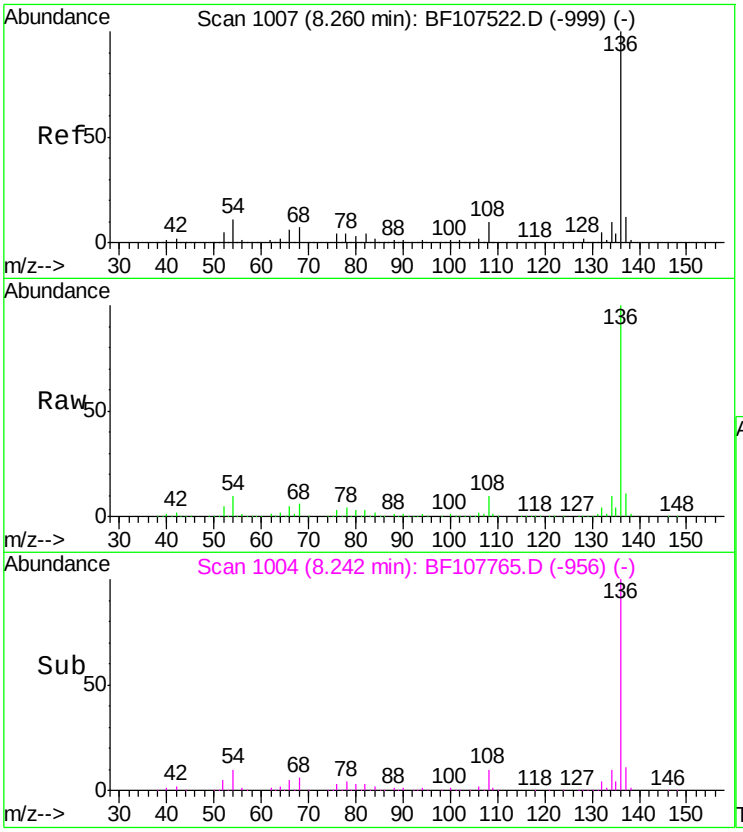




#19
n-Nitroso-di-n-propylamine
Concen: 15.048 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion: 70 Resp: 122578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.4 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.2 | 16.6 | 25.0# |



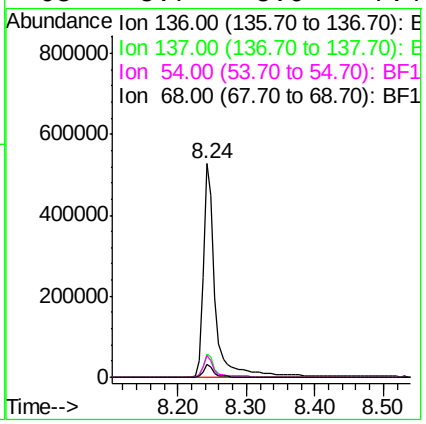


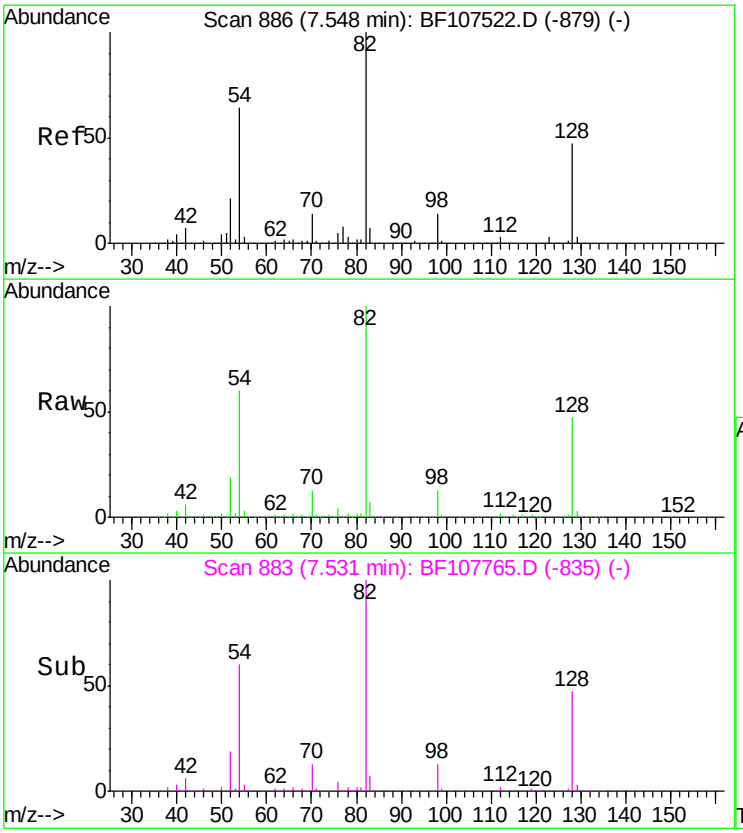

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:136 Resp: 657291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 9.9 | 6.6 | 9.8# |
| 68 | 5.7 | 5.0 | 7.4 |

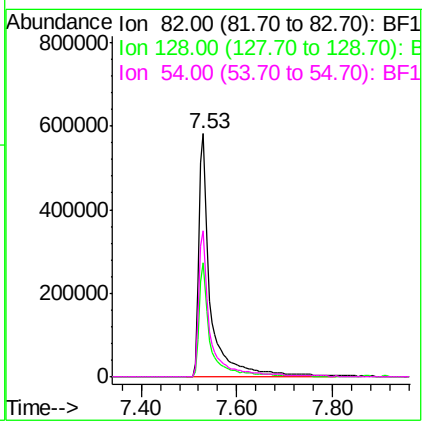


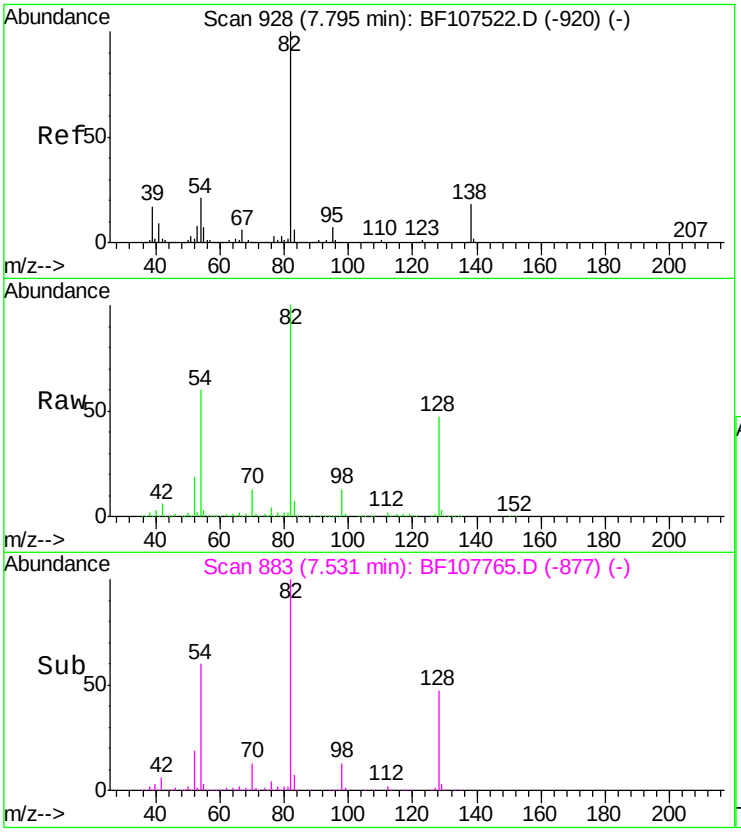




#23
Nitrobenzene-d5
Concen: 102.815 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion: 82 Resp: 1001360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 36.1 | 54.1 |
| 54 | 59.9 | 41.4 | 62.2 |



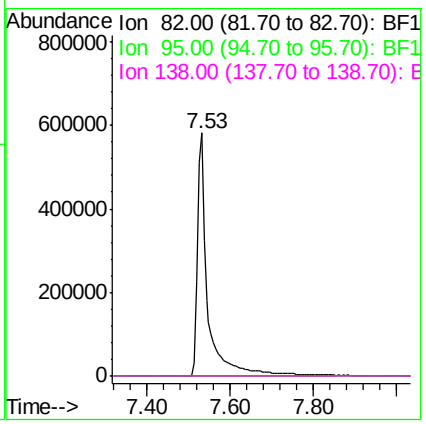


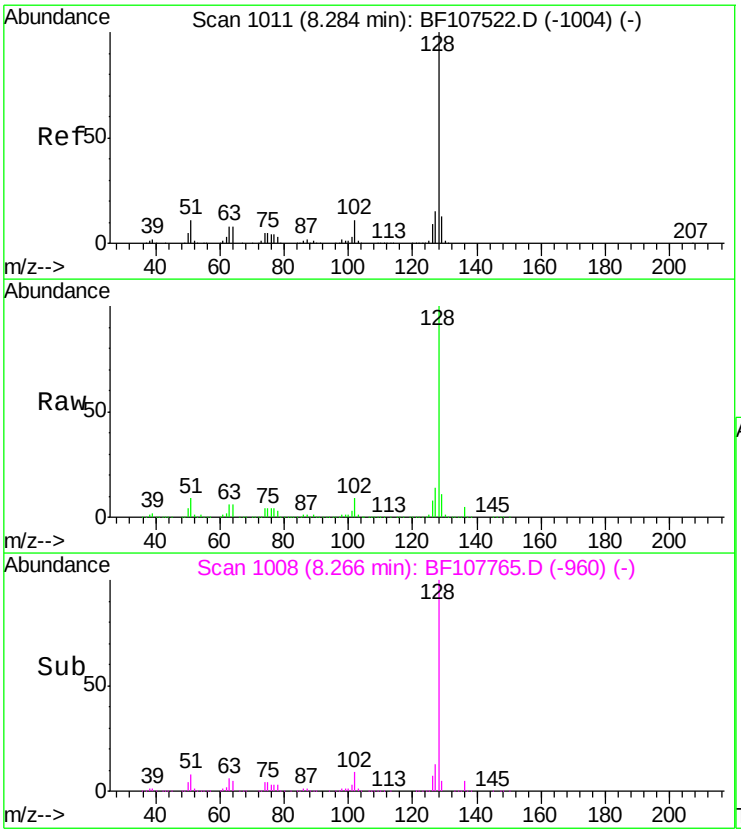

#25
Isophorone
Concen: 48.588 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion: 82 Resp: 1010403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.1 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

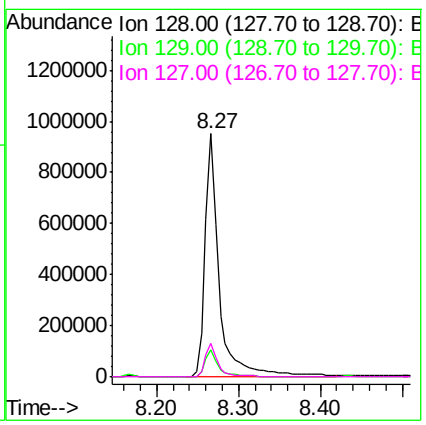


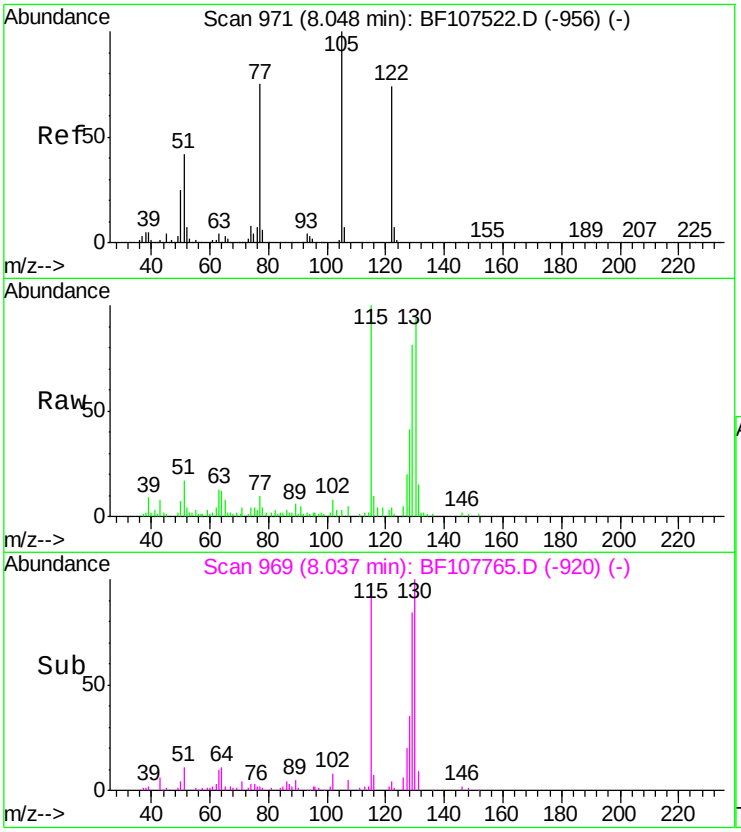




#31
Naphthalene
Concen: 39.958 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:128 Resp: 1154944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.8 | 13.2 |
| 127 | 13.9 | 10.9 | 16.3 |



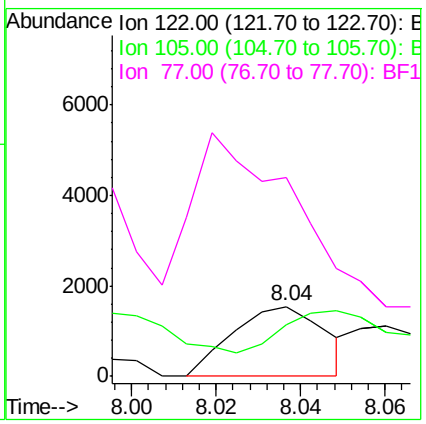


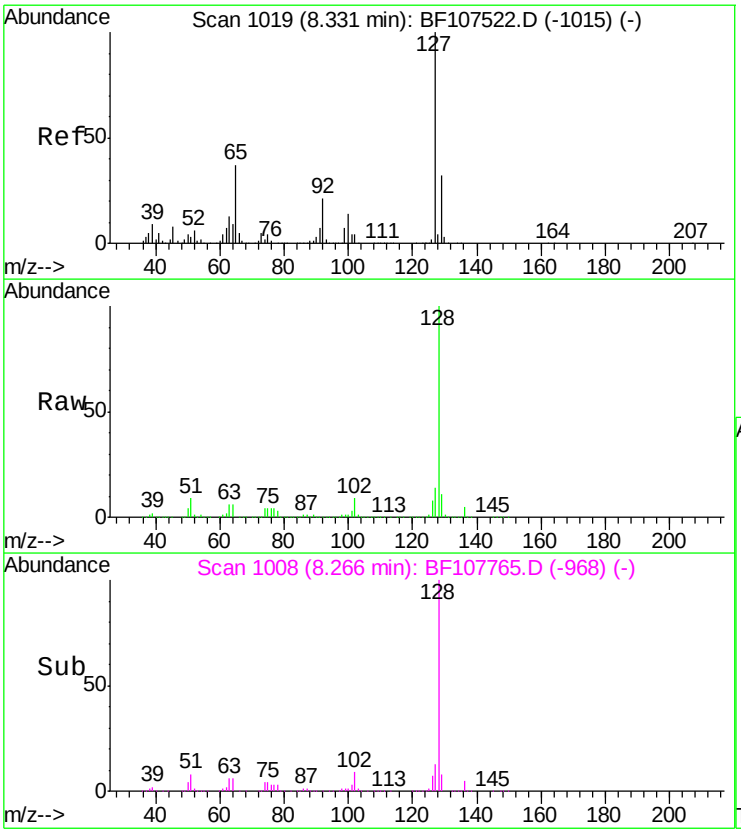

#32
Benzoic acid
Concen: 8.216 ng
RT: 8.04 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:122 Resp: 2355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 73.3 | 101.1 | 141.1# |
| 77 | 282.7 | 70.7 | 110.7# |

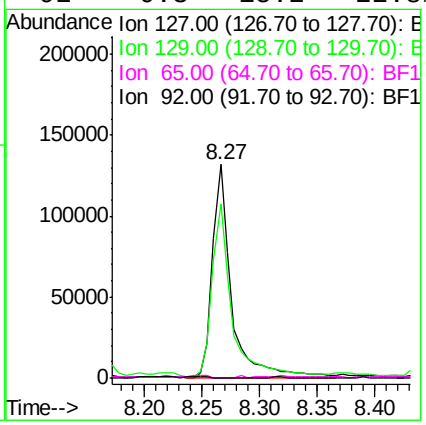


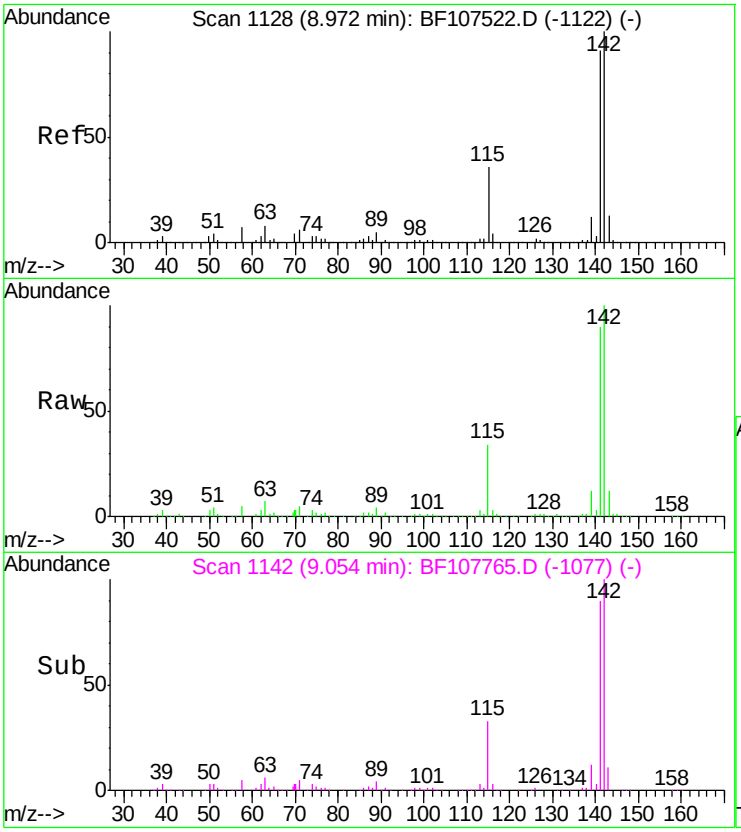




#33
4-Chloroaniline
Concen: 11.890 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:127 Resp: 150211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 81.3 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.3 | 15.2 | 22.8# |



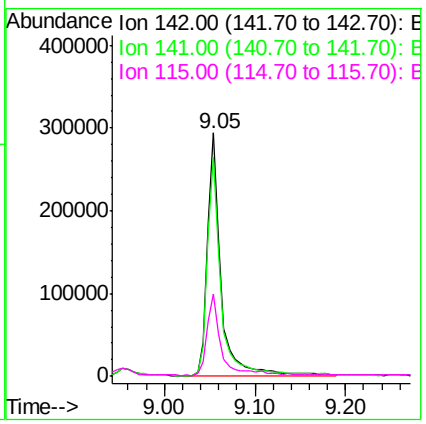


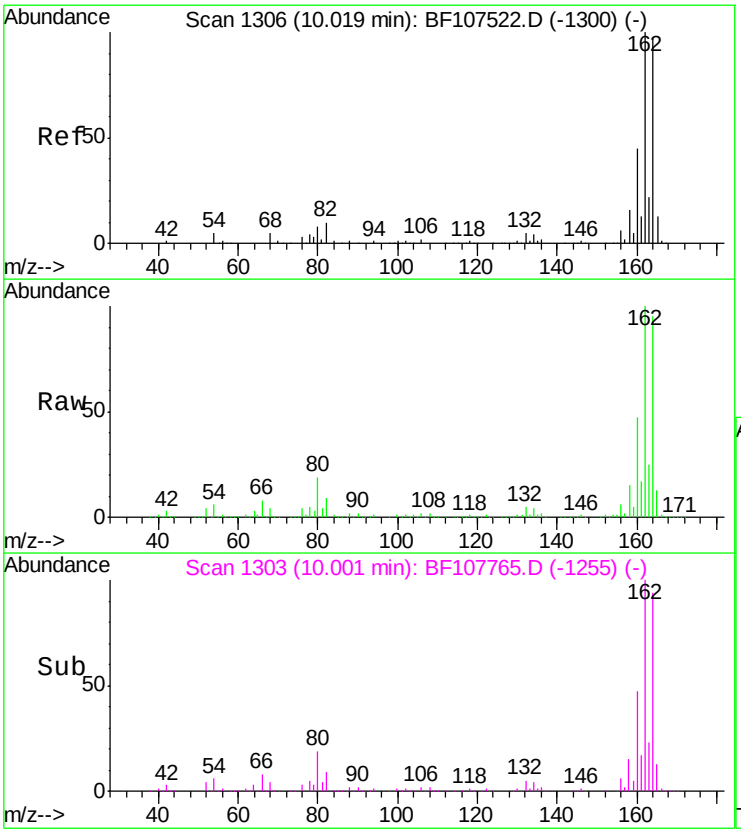

#37
2-Methylnaphthalene
Concen: 15.693 ng
RT: 9.05 min Scan# 1142
Delta R.T. 0.08 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:142 Resp: 314327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 70.8 | 106.2 |
| 115 | 34.0 | 26.1 | 39.1 |

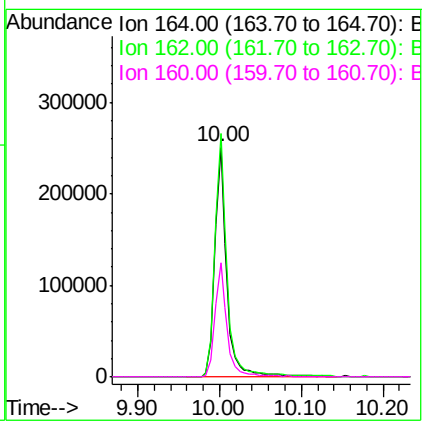


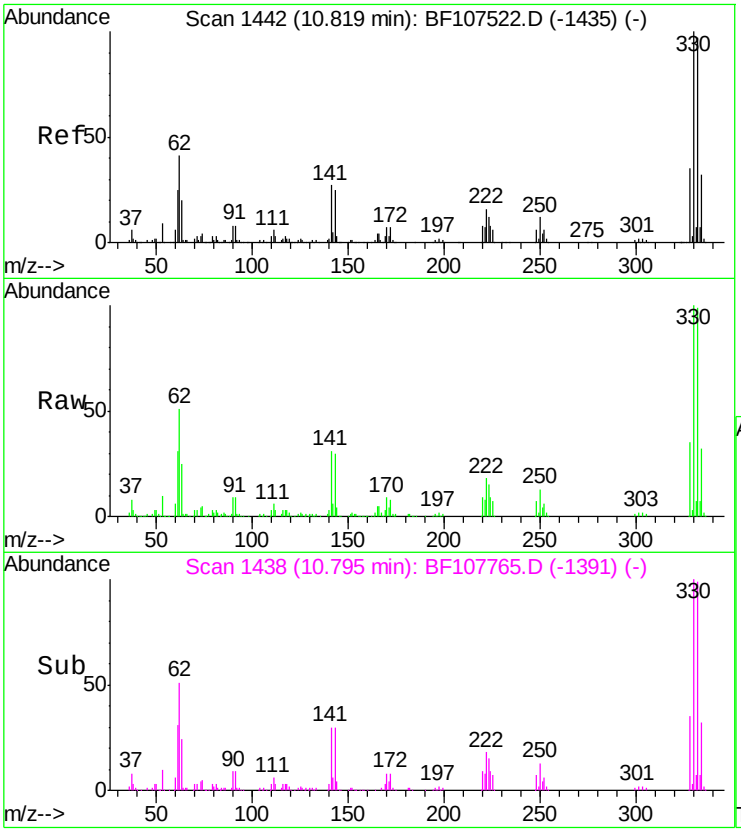




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:164 Resp: 262509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.8 | 86.1 | 129.1 |
| 160 | 49.7 | 38.3 | 57.5 |



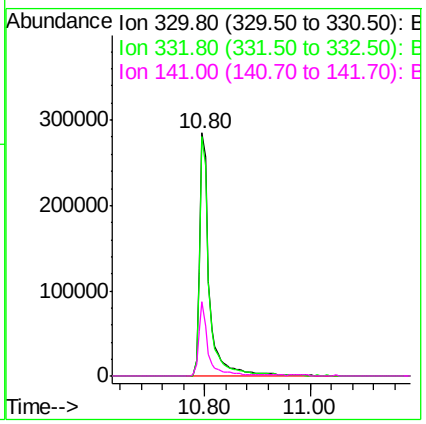


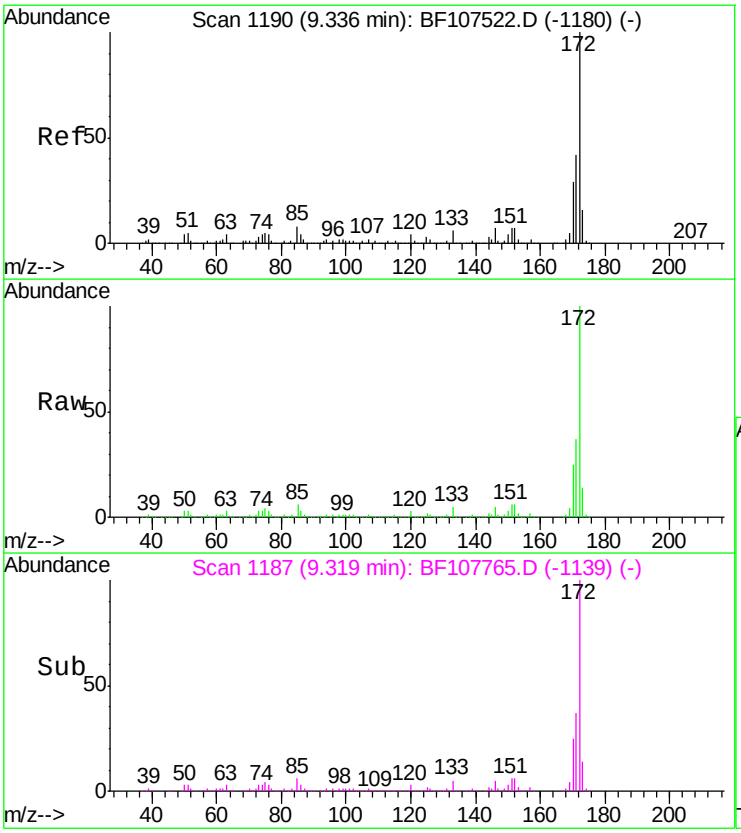

#41
2,4,6-Tribromophenol
Concen: 126.196 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:330 Resp: 376712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.9 | 77.0 | 115.6 |
| 141 | 28.2 | 29.9 | 44.9# |

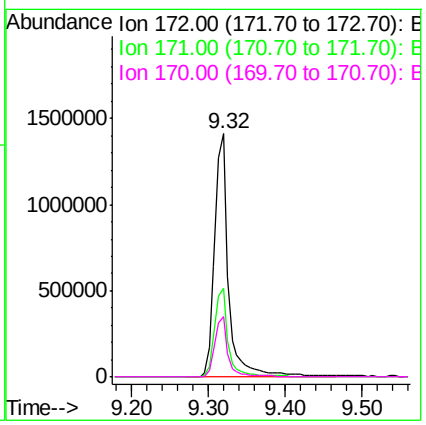


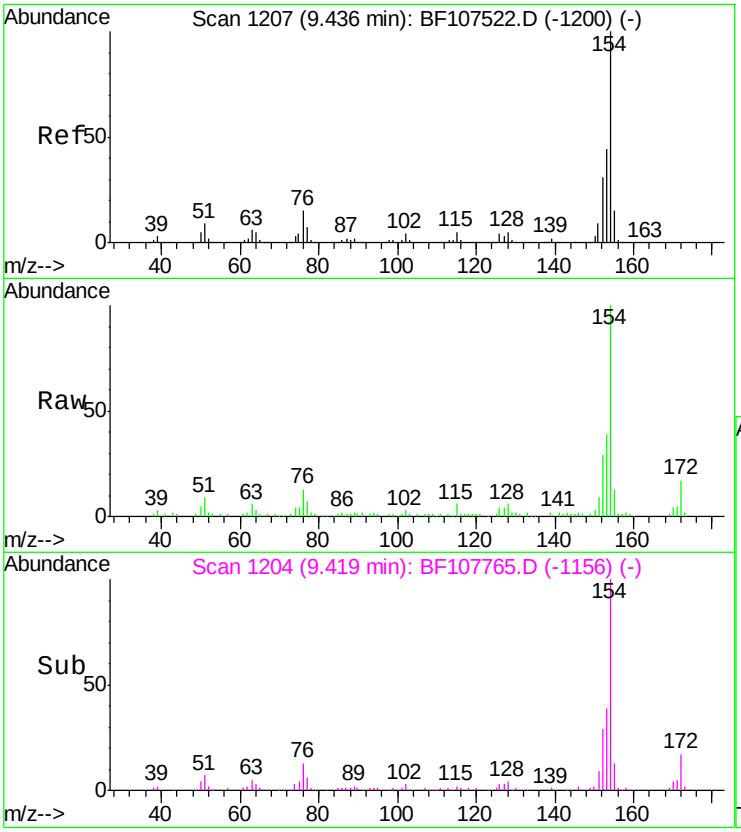




#44
2-Fluorobiphenyl
Concen: 136.104 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:172 Resp: 1773078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 24.6 | 19.6 | 29.4 |



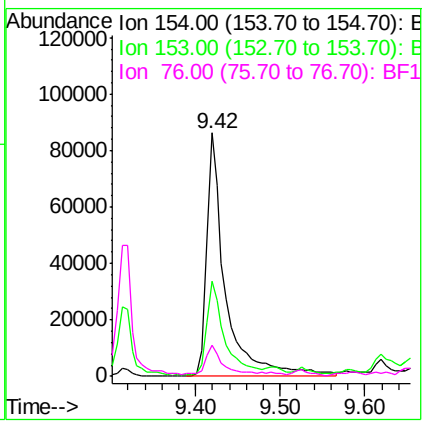


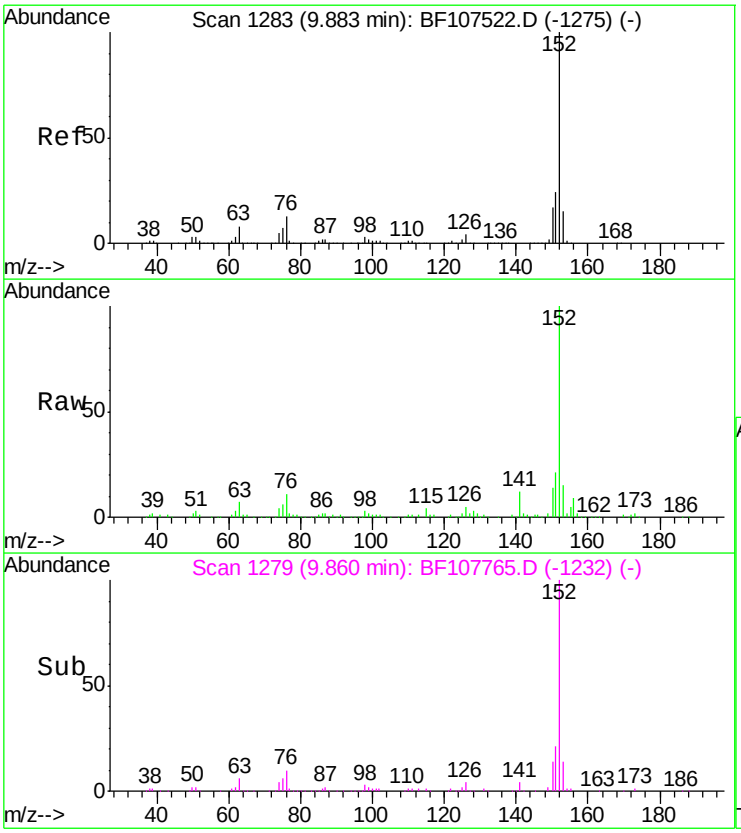

#45
1,1'-Biphenyl
Concen: 5.878 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:154 Resp: 134414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.3 | 21.3 | 61.3 |
| 76 | 12.5 | 0.0 | 34.0 |

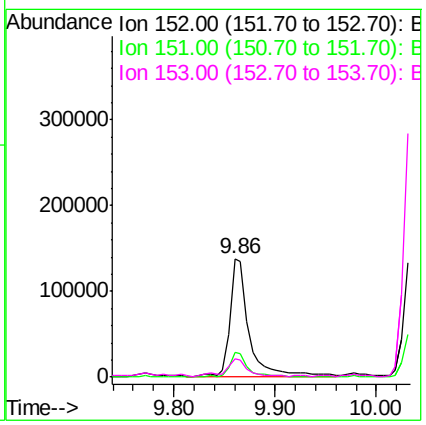


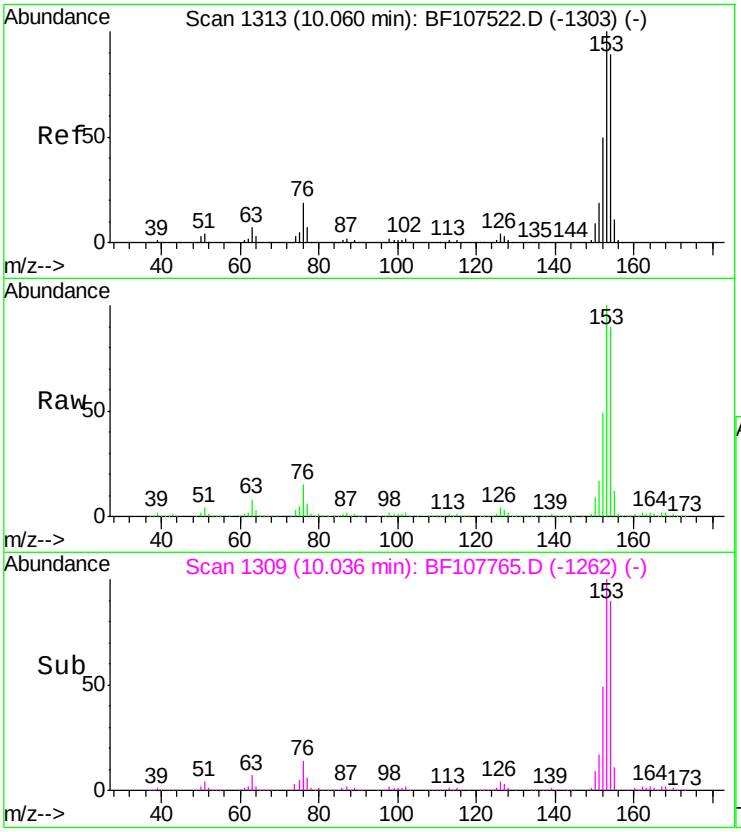




#48
Acenaphthylene
Concen: 6.699 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:152 Resp: 175897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.3 | 24.5 |
| 153 | 15.3 | 10.7 | 16.1 |



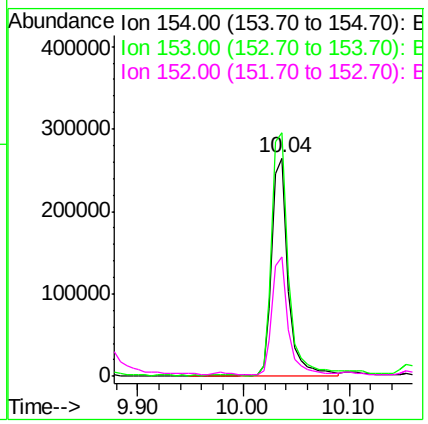


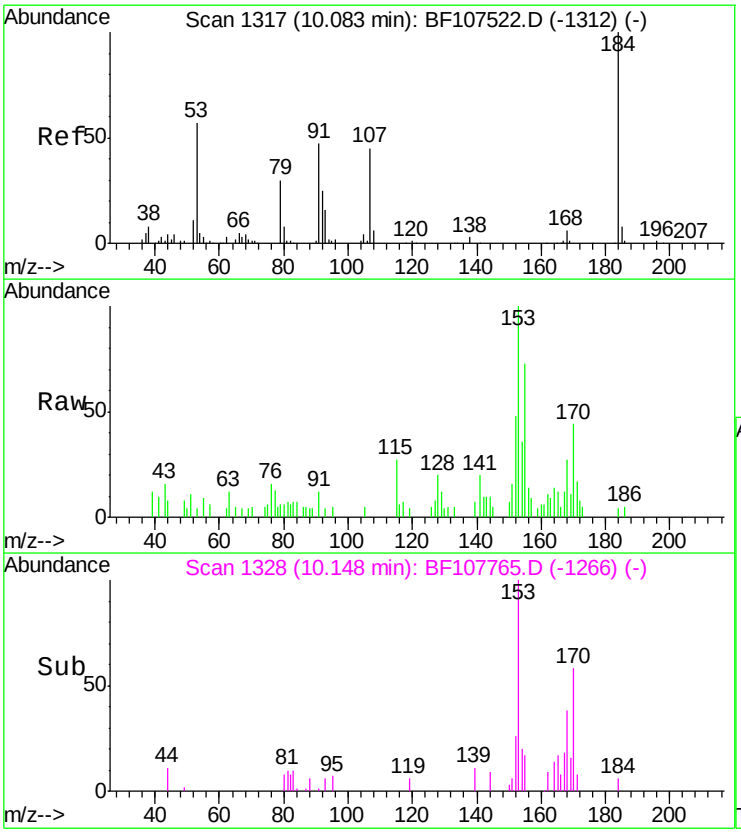

#51
Acenaphthene
Concen: 17.361 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:154 Resp: 285622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.4 | 91.2 | 136.8 |
| 152 | 54.9 | 43.8 | 65.8 |

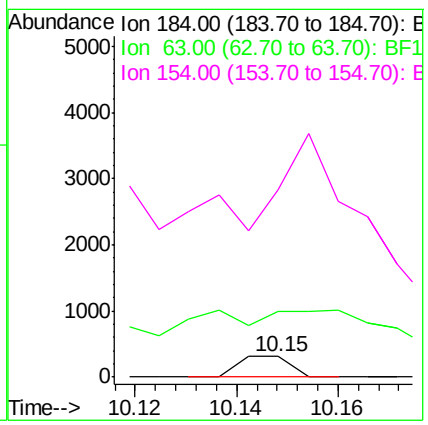


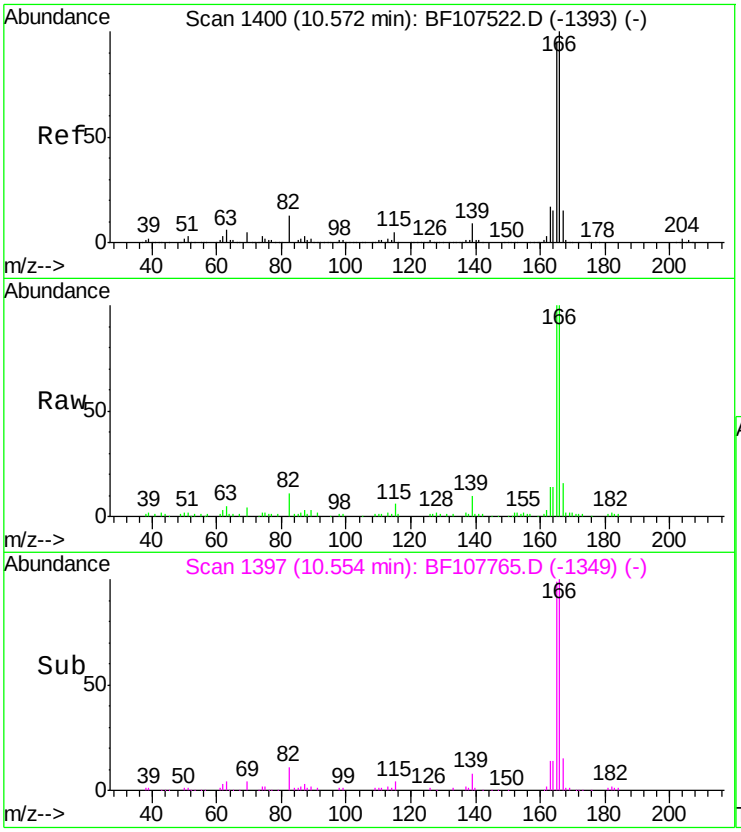




#53
2,4-Dinitrophenol
Concen: 8.443 ng
RT: 10.15 min Scan# 1328
Delta R.T. 0.07 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:184 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 318.6 | 54.2 | 81.2# |
| 154 | 909.6 | 184.0 | 276.0# |



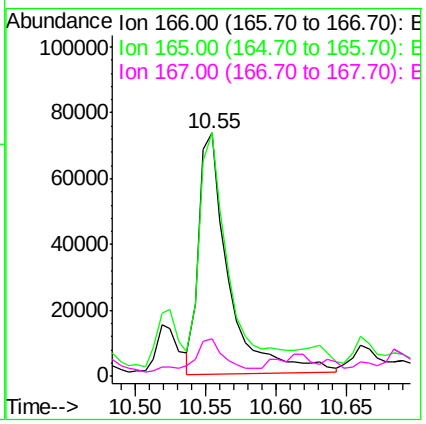


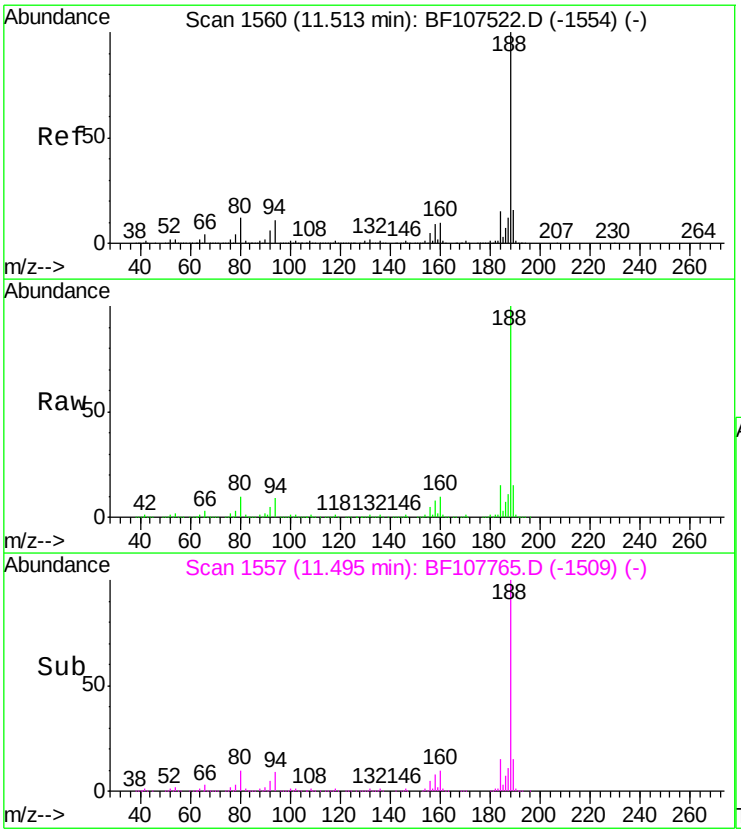

#57
Fluorene
Concen: 6.212 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:166 Resp: 107343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.2 | 79.8 | 119.8 |
| 167 | 15.7 | 10.6 | 16.0 |

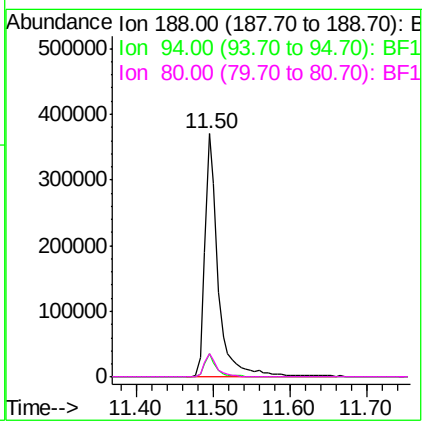


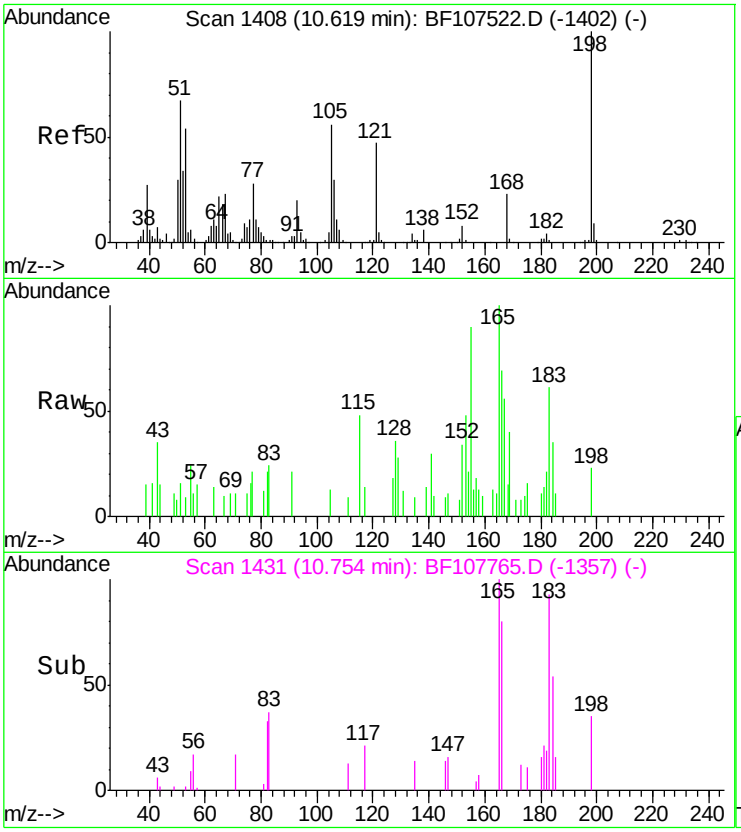




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:188 Resp: 448758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.4 | 8.5 | 12.7 |
| 80 | 9.7 | 9.2 | 13.8 |



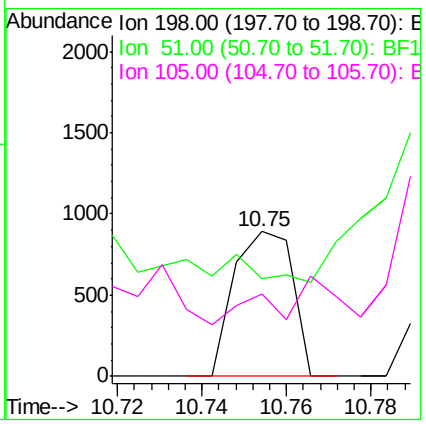


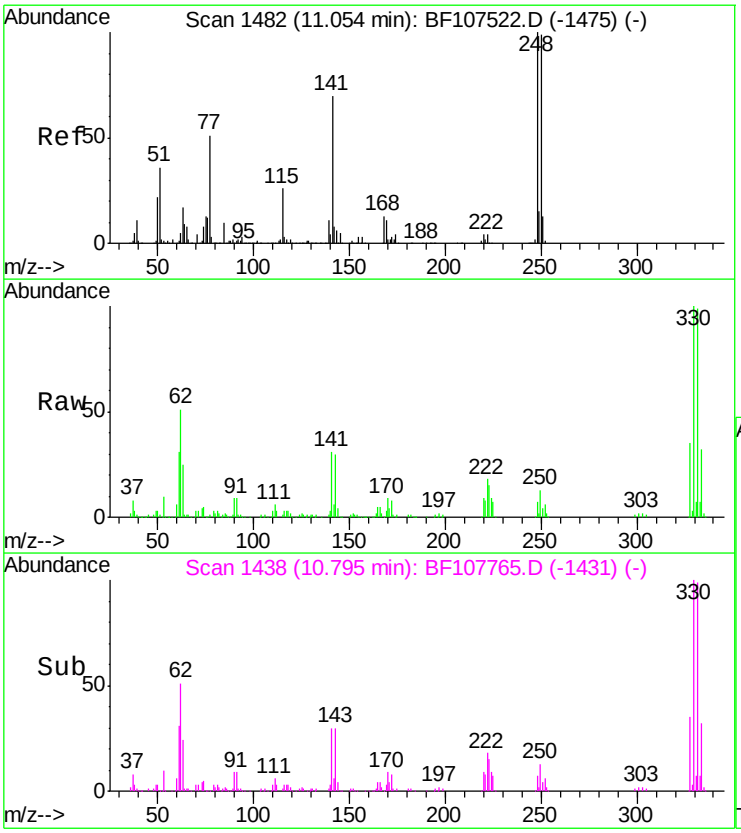

#64
4,6-Dinitro-2-methylphenol
Concen: 9.005 ng
RT: 10.75 min Scan# 1431
Delta R.T. 0.14 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:198 Resp: 858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 67.1 | 37.7 | 77.7 |
| 105 | 56.7 | 36.3 | 76.3 |

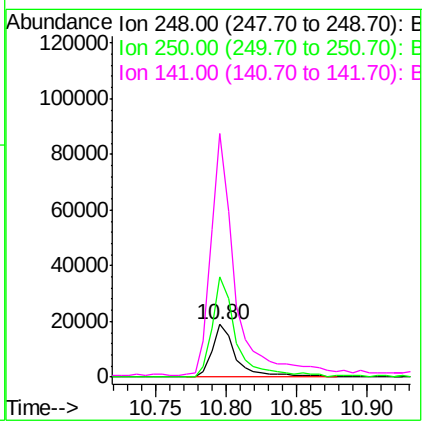


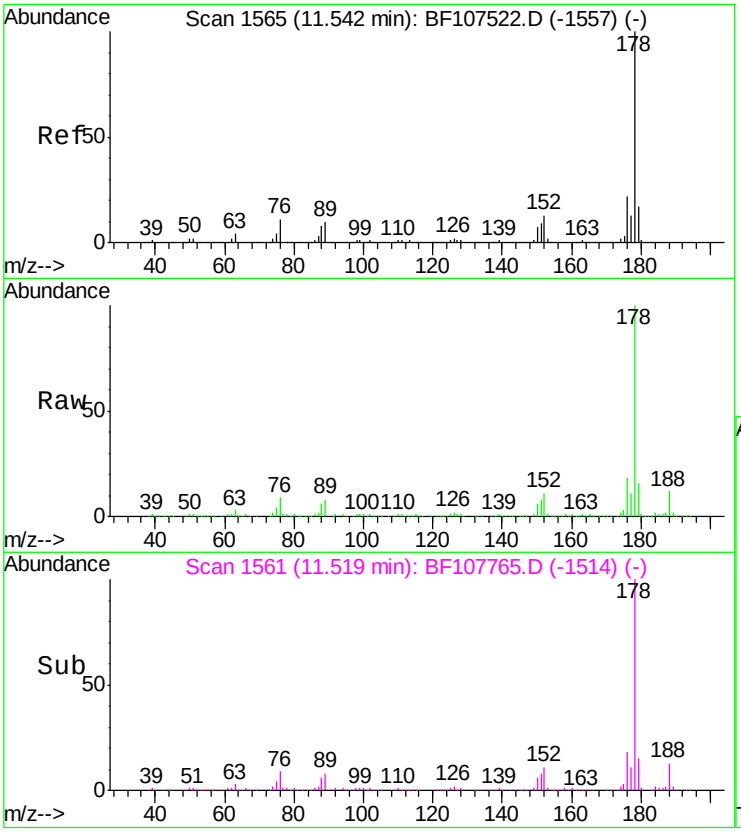




#66
4-Bromophenyl-phenylether
Concen: 4.216 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:248 Resp: 22271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 190.7 | 76.9 | 115.3# |
| 141 | 464.9 | 74.4 | 111.6# |



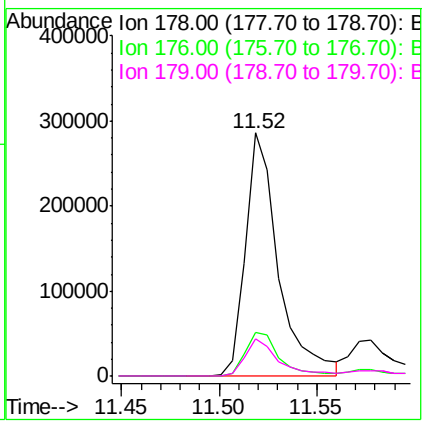


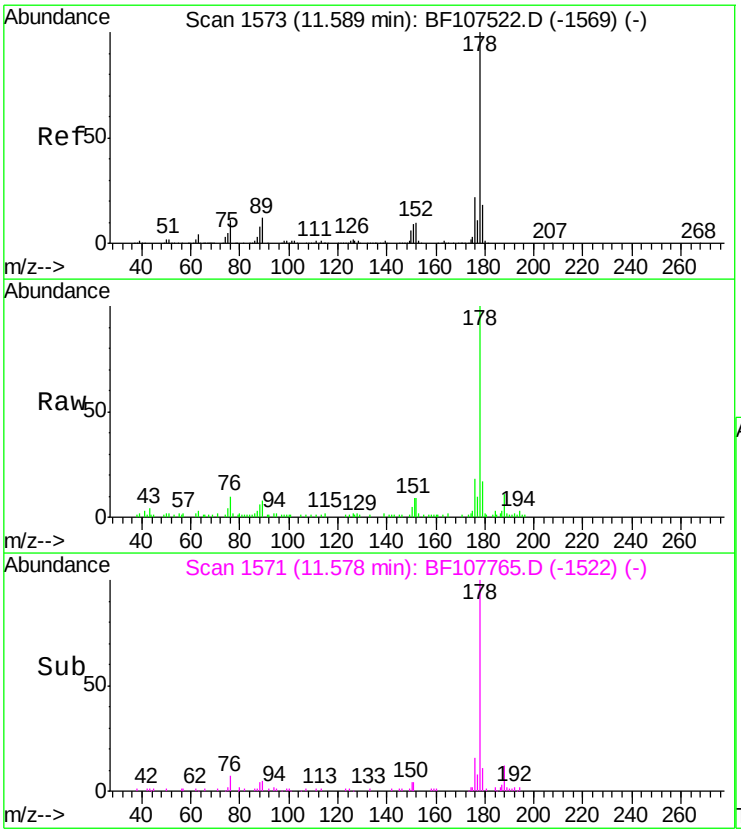

#70
Phenanthrene
Concen: 15.282 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:178 Resp: 334197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.8 | 23.8 |
| 179 | 15.6 | 13.0 | 19.6 |

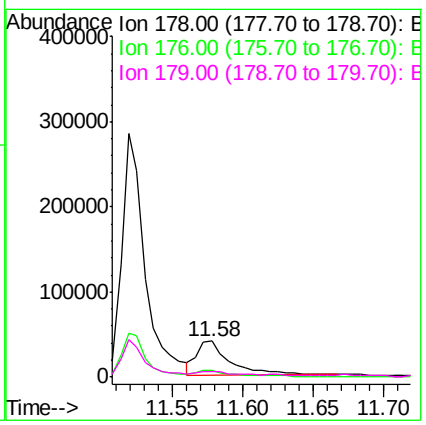


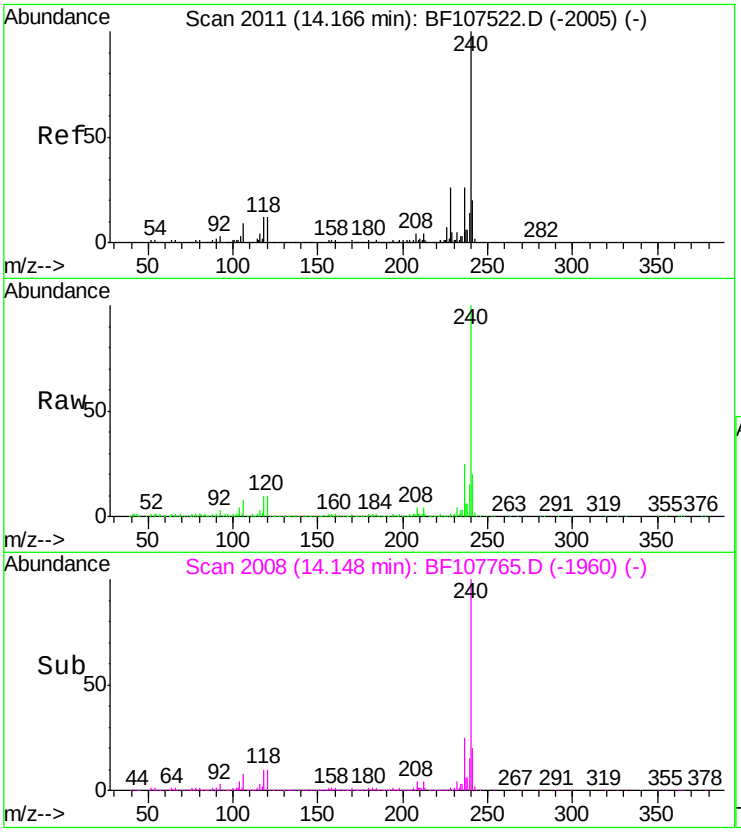




#71
Anthracene
Concen: 3.125 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:178 Resp: 68807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.9 | 15.4 | 23.2 |
| 179 | 17.0 | 12.6 | 19.0 |



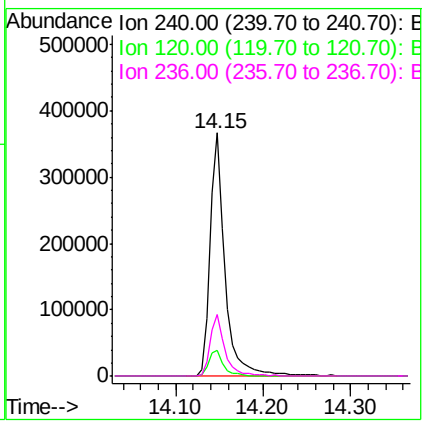


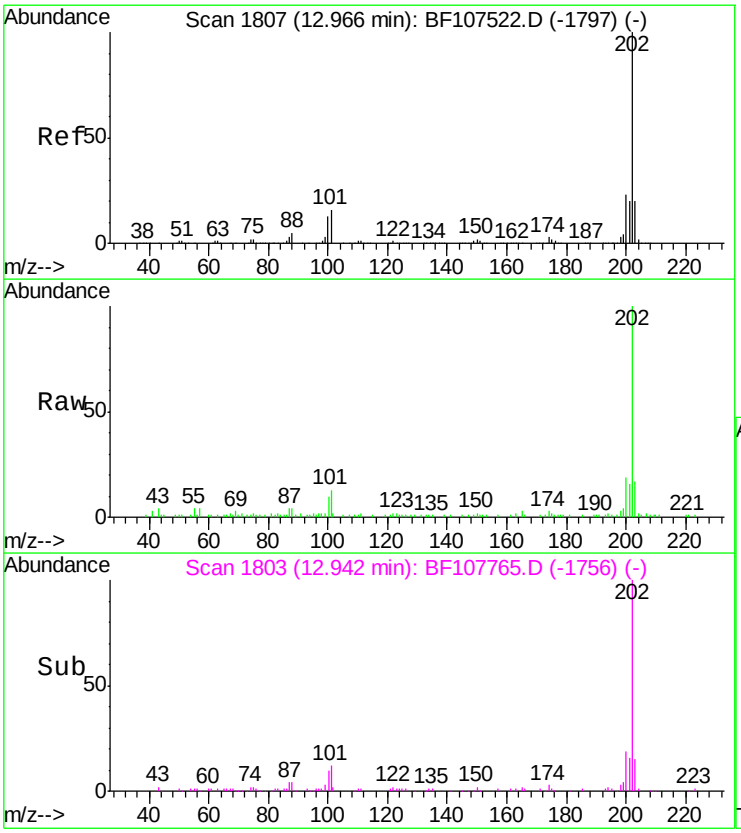

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:240 Resp: 436034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 9.5 | 14.3 |
| 236 | 25.4 | 20.7 | 31.1 |

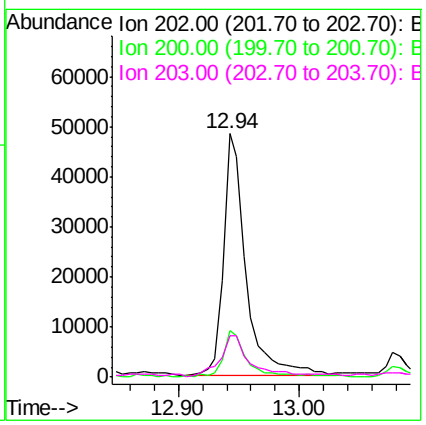


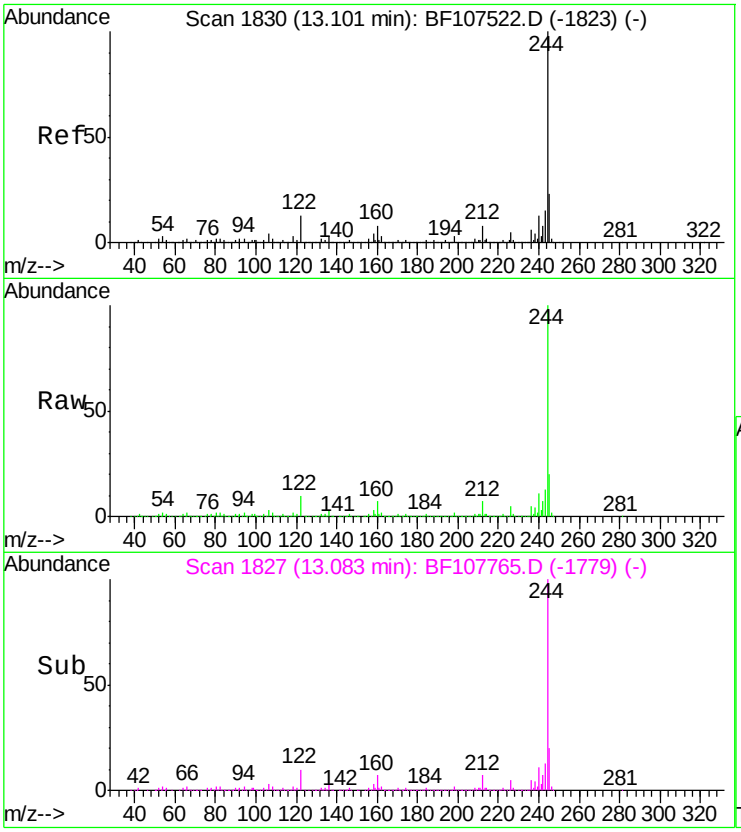




#77
Pyrene
Concen: 2.087 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:202 Resp: 62237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.1 | 17.4 | 26.2 |
| 203 | 17.2 | 14.3 | 21.5 |



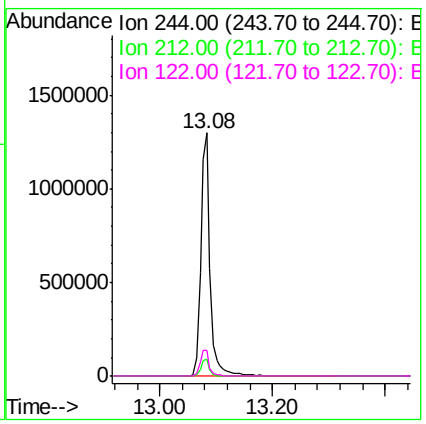


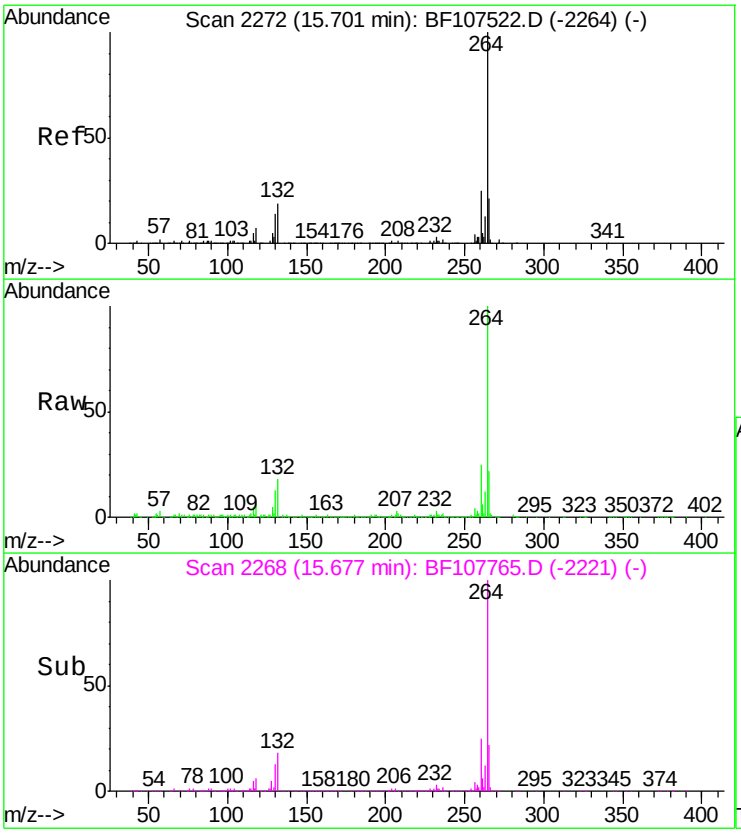

#78
Terphenyl-d14
Concen: 87.818 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

**Instrument :**
BNA_F
**ClientSampleId :**
MW-7BS

Tgt Ion:244 Resp: 1495717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 10.5 | 11.0 | 16.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107765.D
Acq: 27 Jul 2018 23:58

Tgt Ion:264 Resp: 338022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.2 | 28.8 |
| 265 | 21.9 | 17.5 | 26.3 |