Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089067.D
Acq On : 16 Jul 2016 21:13
Operator : UM/SJ
Sample : H4018-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 18 01:17:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 56703 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 7.95 | 136 | 242265 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 93193 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.19 | 188 | 139711 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.82 | 240 | 112322 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.19 | 264 | 80895 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 408410 | 107.95 | ng | | -0.02 |
| 7) Phenol-d6 | 6.33 | 99 | 511856 | 104.70 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.23 | 82 | 279729 | 60.51 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.50 | 330 | 68850 | 79.56 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.04 | 172 | 605326 | 102.60 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.78 | 244 | 349809 | 69.37 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 38363 | 11.68 | ng | # | 74 |
| 25) Isophorone | 7.23 | 82 | 234631 | 27.40 | ng | # | 65 |
| 49) Dimethylphthalate | 9.43 | 163 | 110965 | 16.71 | ng | | 100 |
| 56) 2,4-Dinitrotoluene | 9.70 | 165 | 11934 | 6.20 | ng | # | 36 |
| 66) 4-Bromophenyl-phenylether | 10.49 | 248 | 5229 | 3.71 | ng | # | 1 |
| 70) Phenanthrene | 11.21 | 178 | 26484 | 3.47 | ng | | 98 |
| 74) Fluoranthene | 12.39 | 202 | 59733 | 7.72 | ng | | 99 |
| 77) Pyrene | 12.62 | 202 | 61110 | 6.42 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.81 | 228 | 31152 | 4.31 | ng | | 94 |
| 82) Chrysene | 13.81 | 228 | 31152 | 4.35 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 29869 | 6.16 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.47 | 276 | 11561 | 2.10 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.81 | 252 | 42928 | 8.46 | ng | # | 84 |
| 88) Benzo(k)fluoranthene | 14.81 | 252 | 42928 | 9.72 | ng | # | 89 |
| 89) Benzo(a)pyrene | 15.13 | 252 | 20221 | 4.71 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 16.86 | 276 | 14662 | 3.95 | ng | # | 88 |

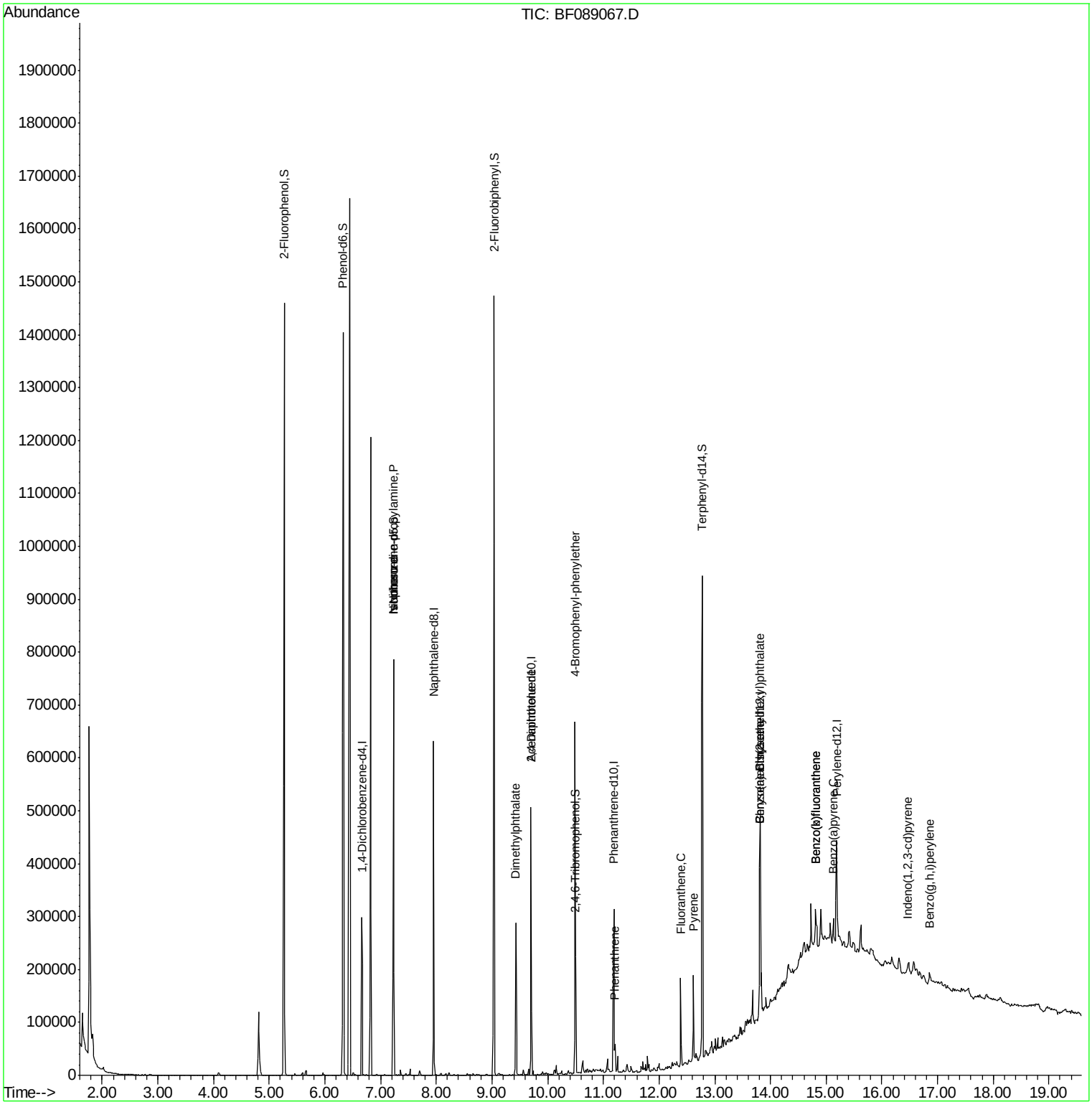
(#) = qualifier out of range (m) = manual integration (+) = signals summed

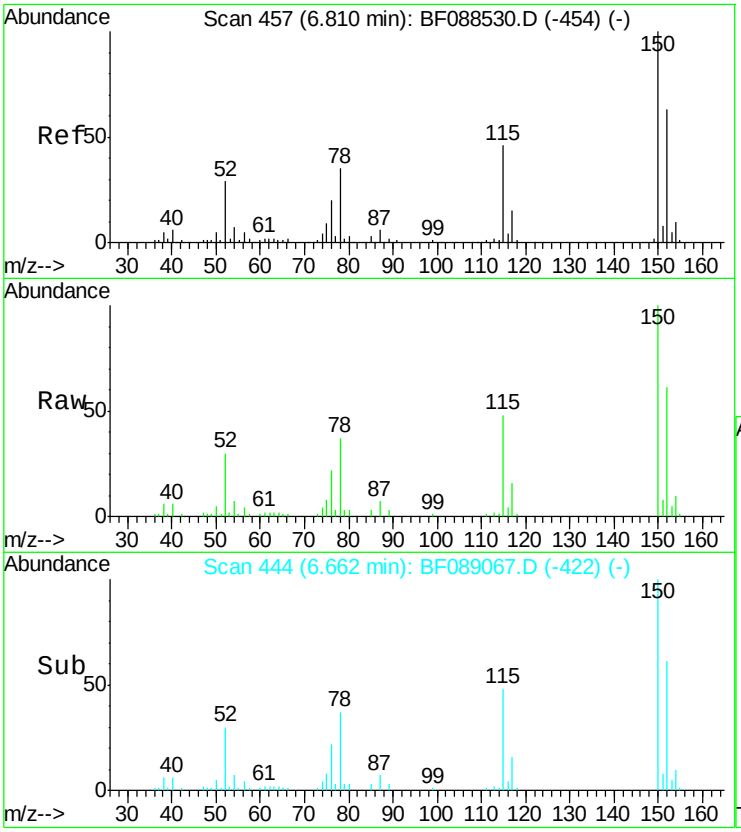
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089067.D
Acq On : 16 Jul 2016 21:13
Operator : UM/SJ
Sample : H4018-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 18 01:17:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration



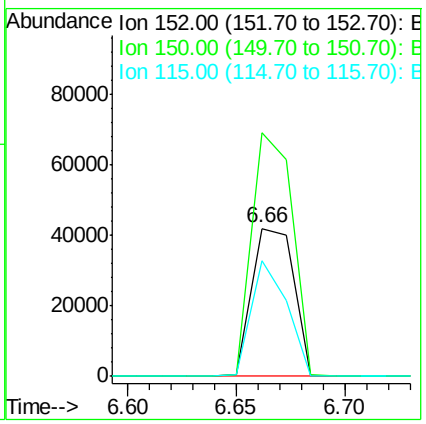


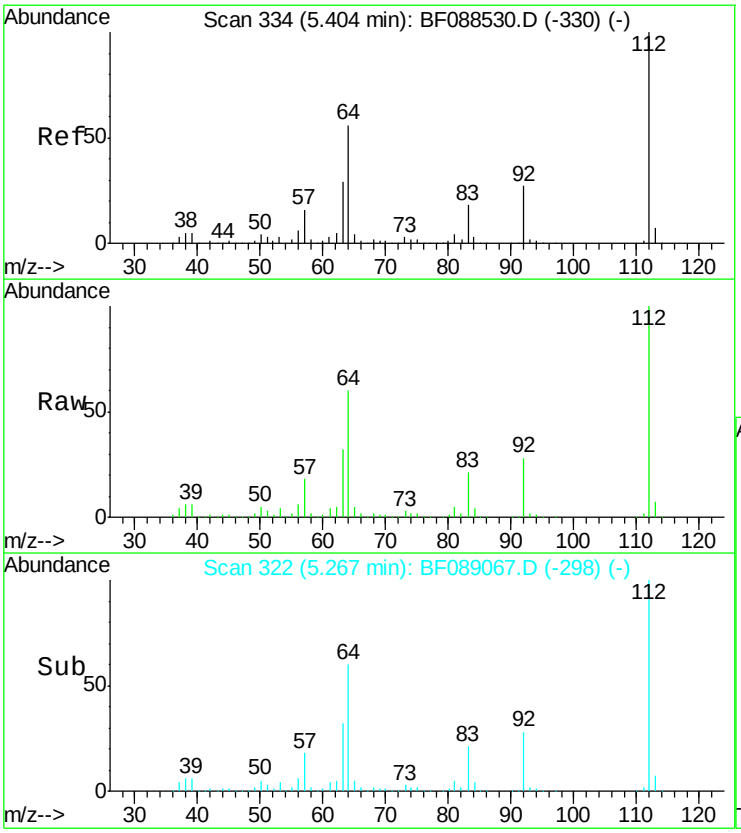

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:152 Resp: 56703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 164.3 | 123.8 | 185.6 |
| 115 | 78.1 | 39.6 | 59.4# |

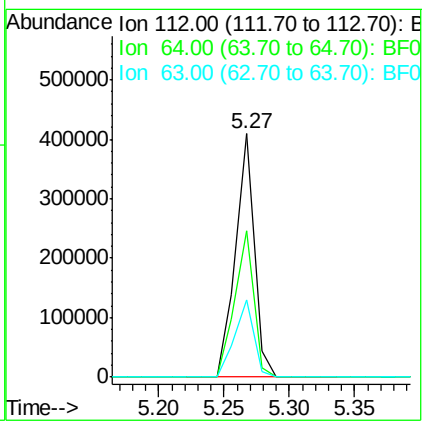


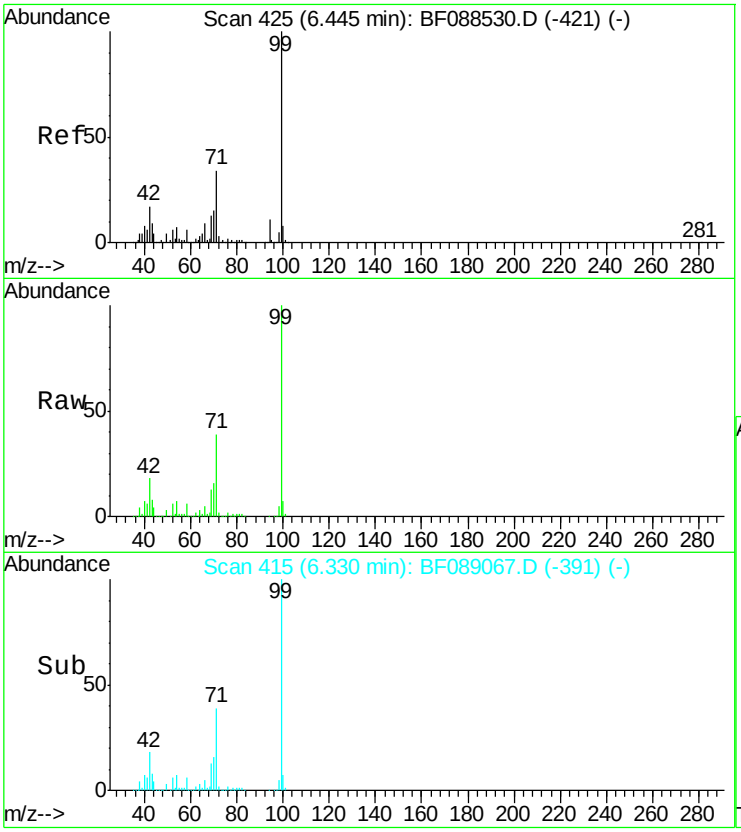




#5
2-Fluorophenol
Concen: 107.95 ng
RT: 5.27 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:112 Resp: 408410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.9 | 42.2 | 63.2 |
| 63 | 31.8 | 21.8 | 32.8 |



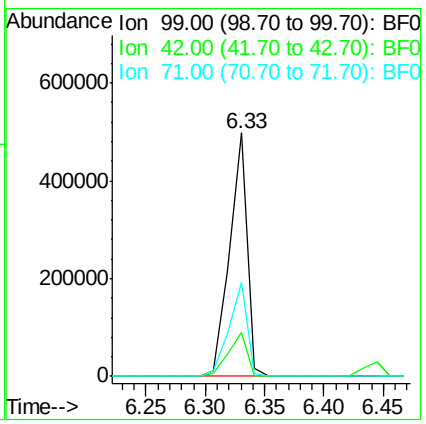


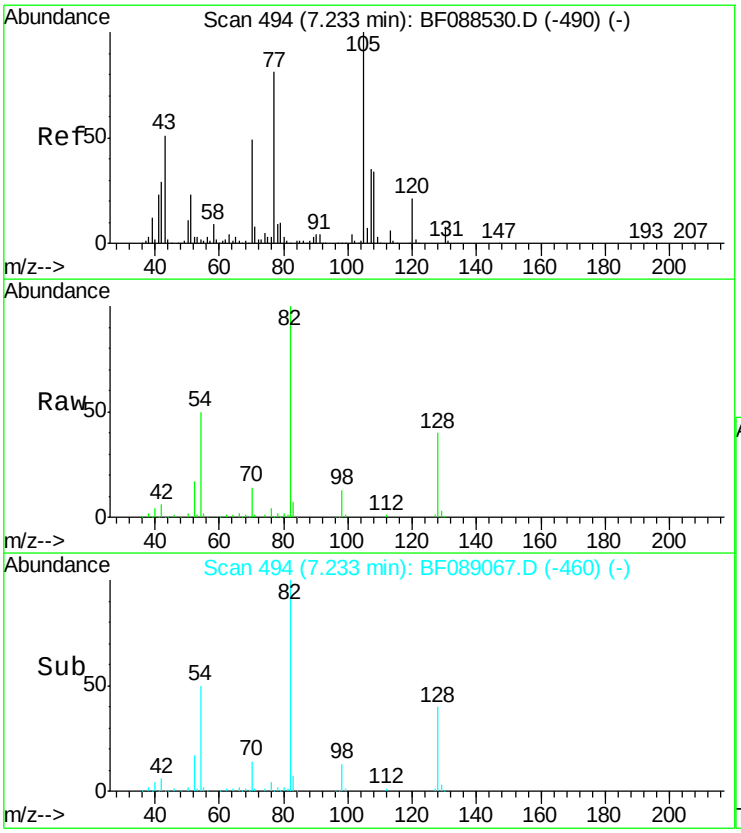

#7
Phenol-d6
Concen: 104.70 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion: 99 Resp: 511856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 12.2 | 18.2# |
| 71 | 38.6 | 23.4 | 35.0# |

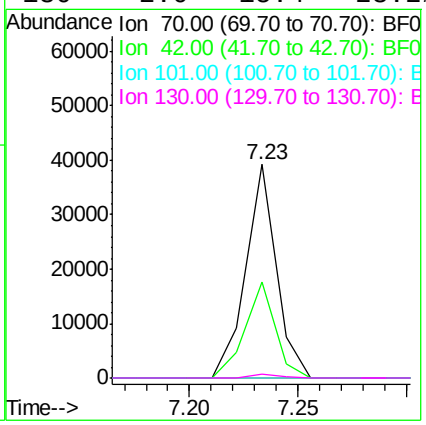


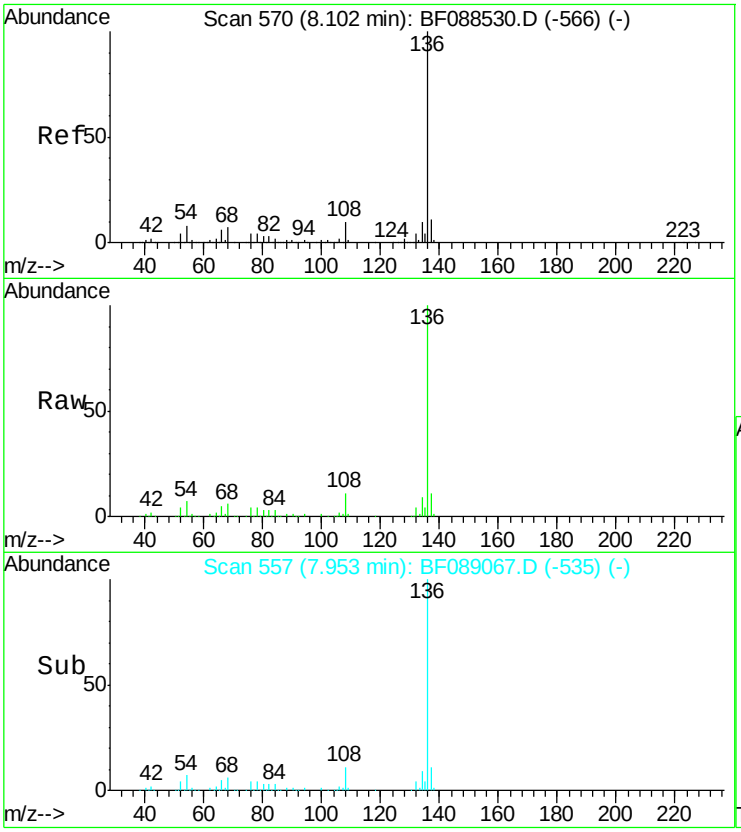




#19
n-Nitroso-di-n-propylamine
Concen: 11.68 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.09 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion: 70 Resp: 38363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.9 | 49.6 | 74.4# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.0 | 15.4 | 23.2# |



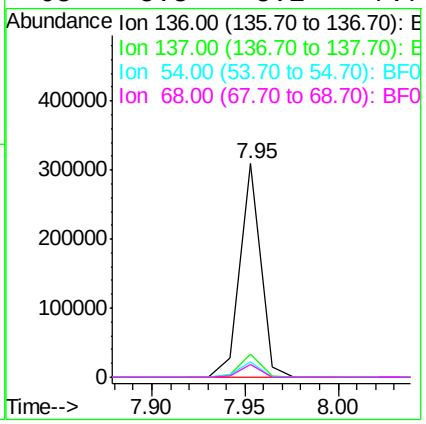


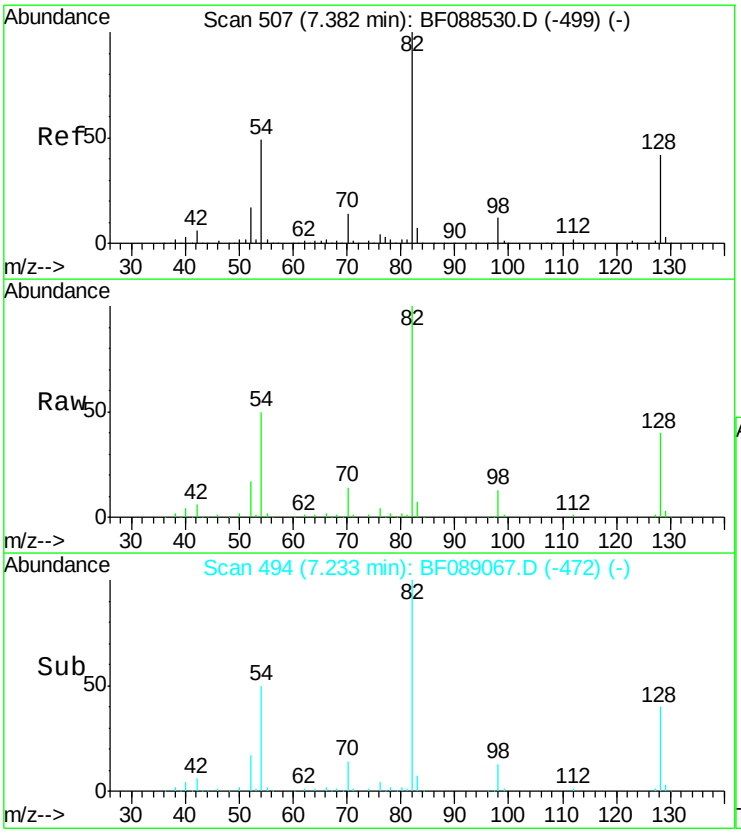

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.05 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:136 Resp: 242265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.1 | 13.7 |
| 54 | 7.2 | 6.6 | 10.0 |
| 68 | 5.8 | 5.1 | 7.7 |

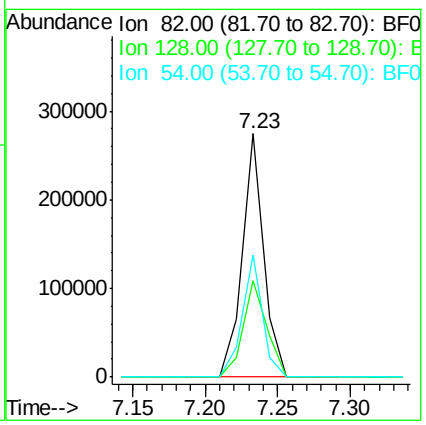


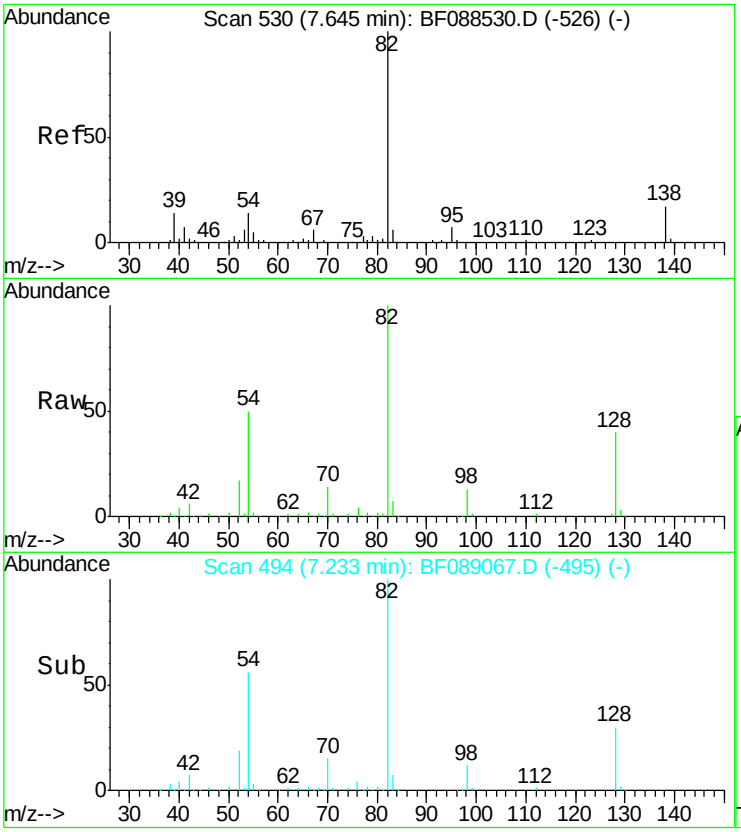




#23
Nitrobenzene-d5
Concen: 60.51 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion: 82 Resp: 279729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.6 | 35.9 | 53.9 |
| 54 | 50.3 | 40.9 | 61.3 |



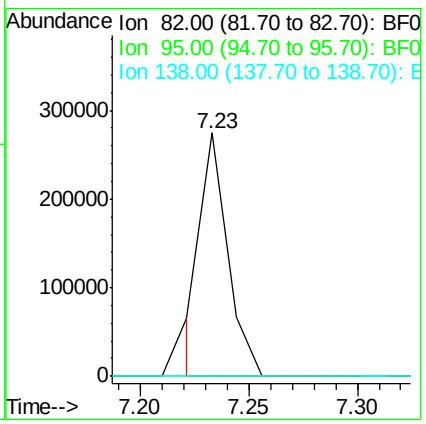


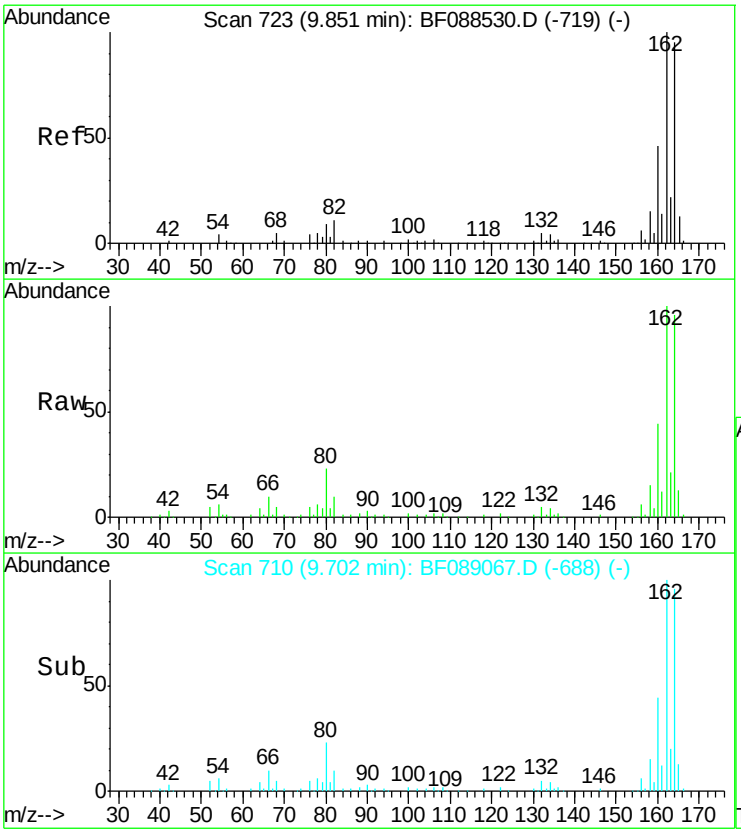

#25
Isophorone
Concen: 27.40 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.31 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion: 82 Resp: 234631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 14.6 | 21.8# |

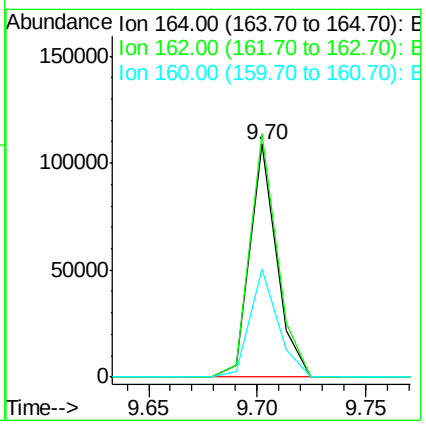


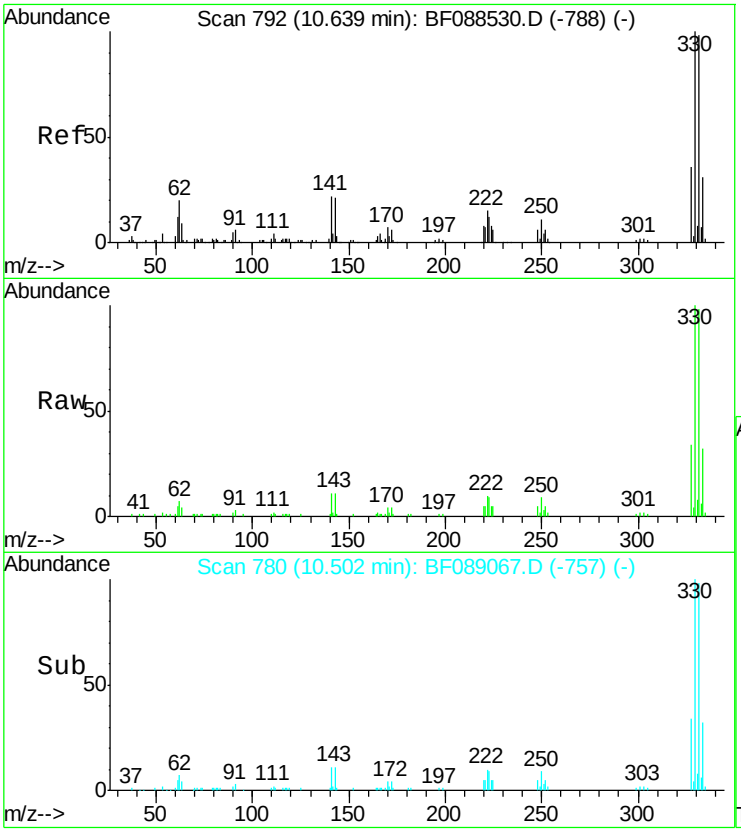




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:164 Resp: 93193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 85.4 | 128.2 |
| 160 | 46.4 | 39.5 | 59.3 |



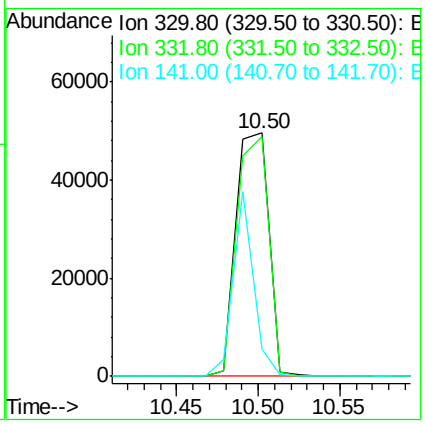


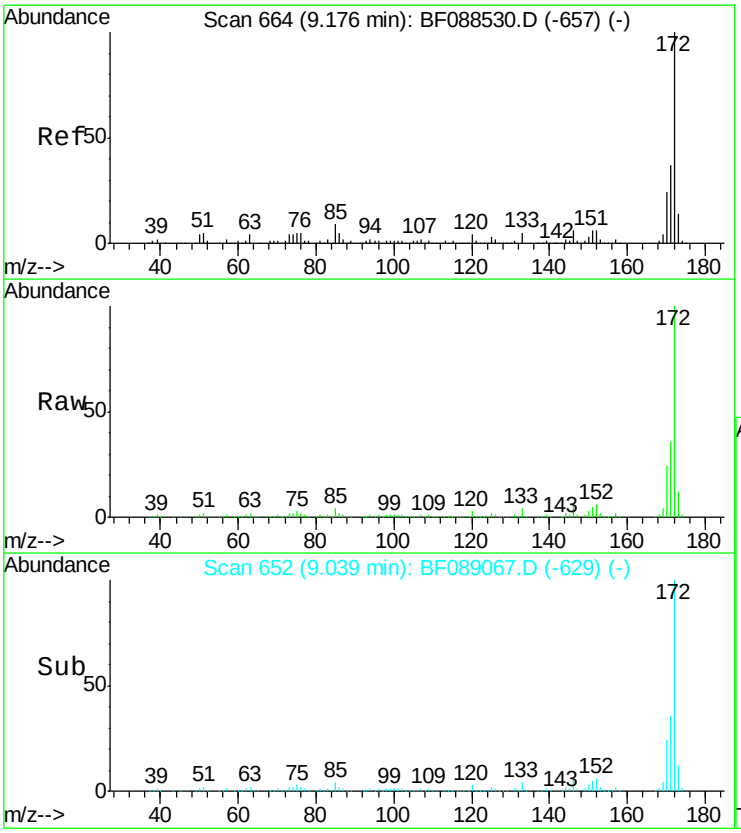

#41
2,4,6-Tribromophenol
Concen: 79.56 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:330 Resp: 68850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 0.0 | 0.0# |
| 141 | 46.8 | 0.0 | 0.0# |

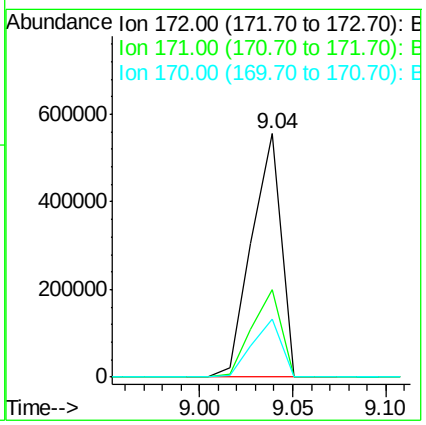


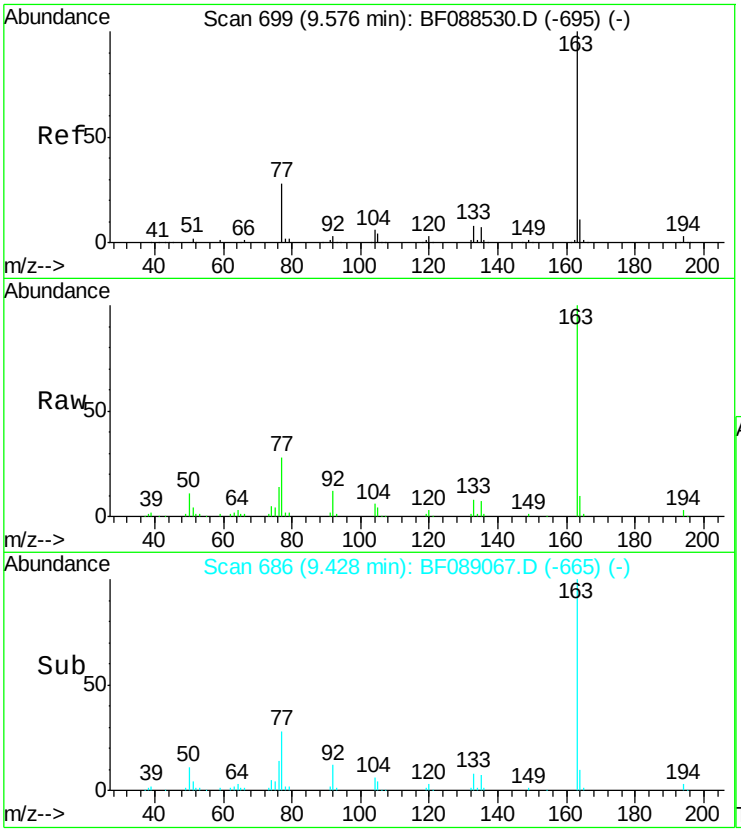




#44
2-Fluorobiphenyl
Concen: 102.60 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:172 Resp: 605326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.6 | 43.0 |
| 170 | 23.6 | 19.2 | 28.8 |



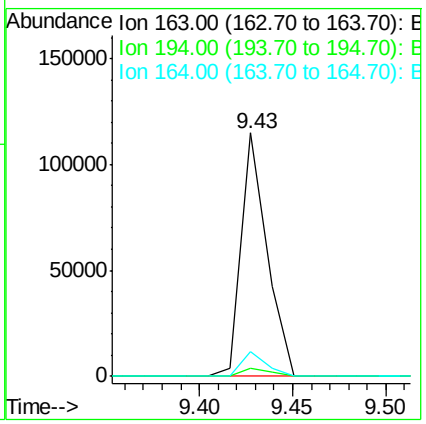


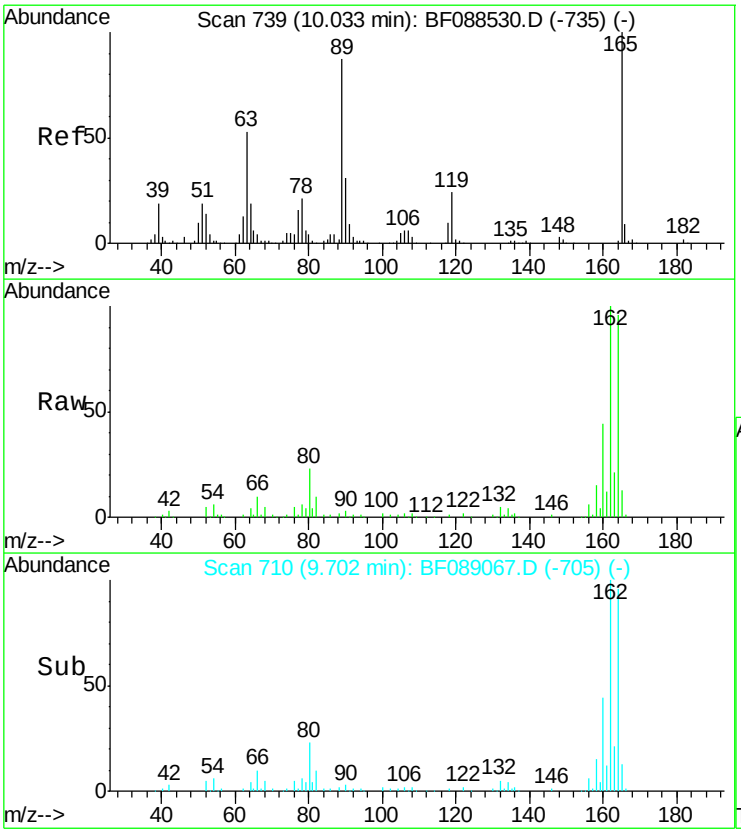

#49
Dimethylphthalate
Concen: 16.71 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:163 Resp: 110965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.8 | 4.2 |
| 164 | 10.4 | 8.3 | 12.5 |

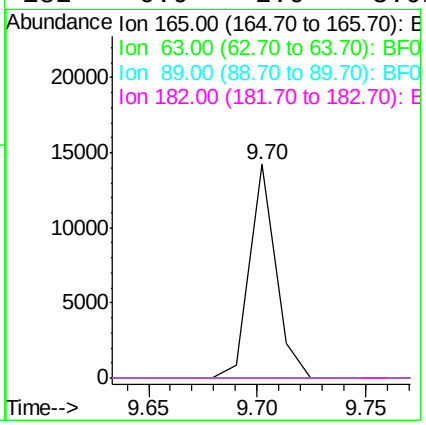


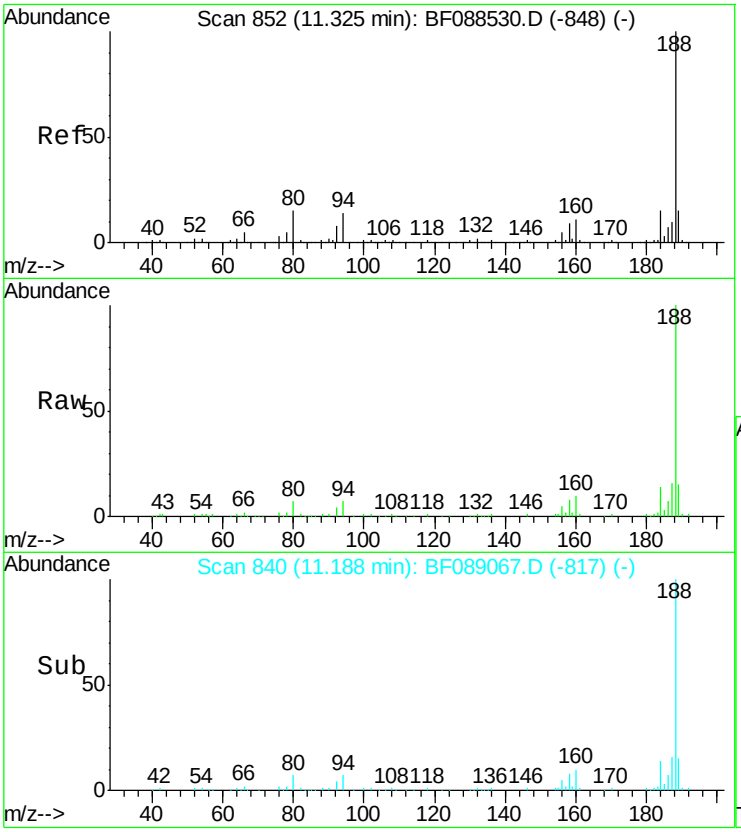




#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.24 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:165 Resp: 11934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 22.0 | 33.0# |
| 89 | 0.0 | 41.1 | 61.7# |
| 182 | 0.0 | 2.0 | 3.0# |



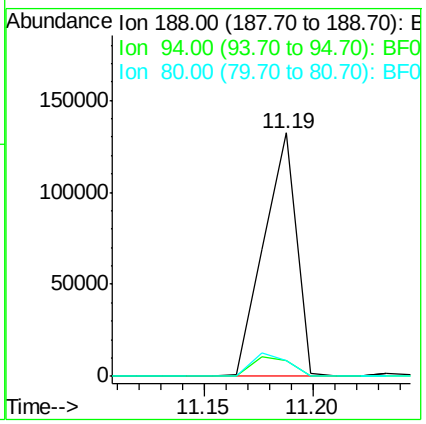


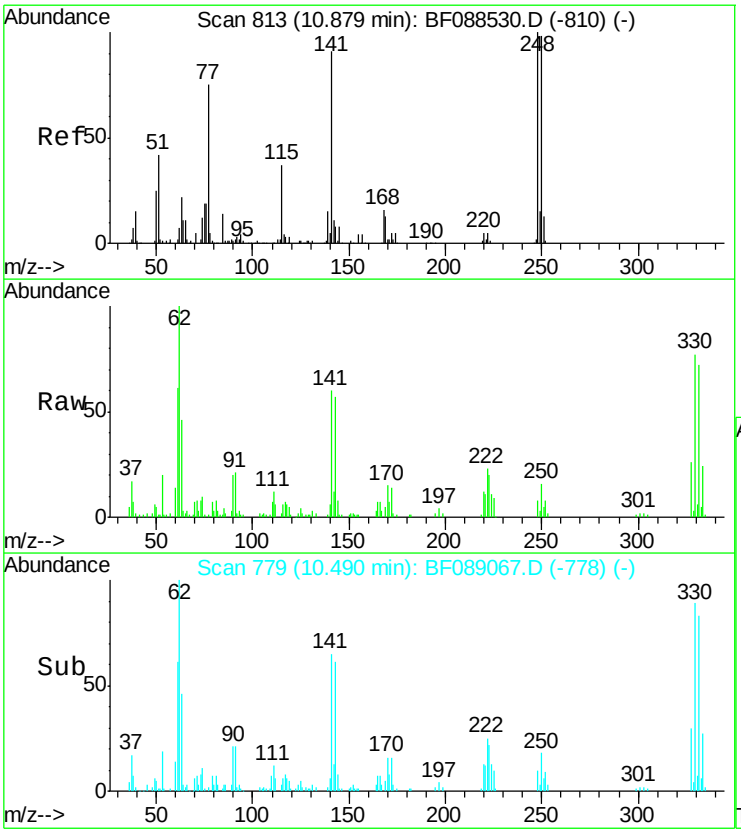

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:188 Resp: 139711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.7 | 9.0 | 13.6# |
| 80 | 6.7 | 10.0 | 15.0# |

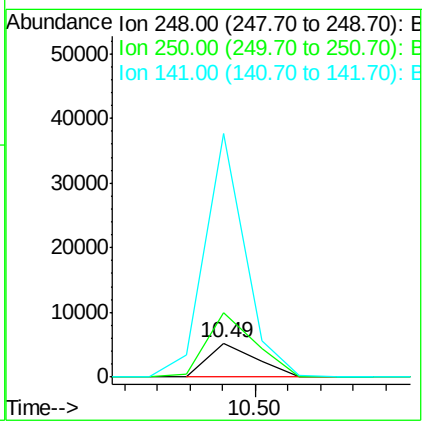


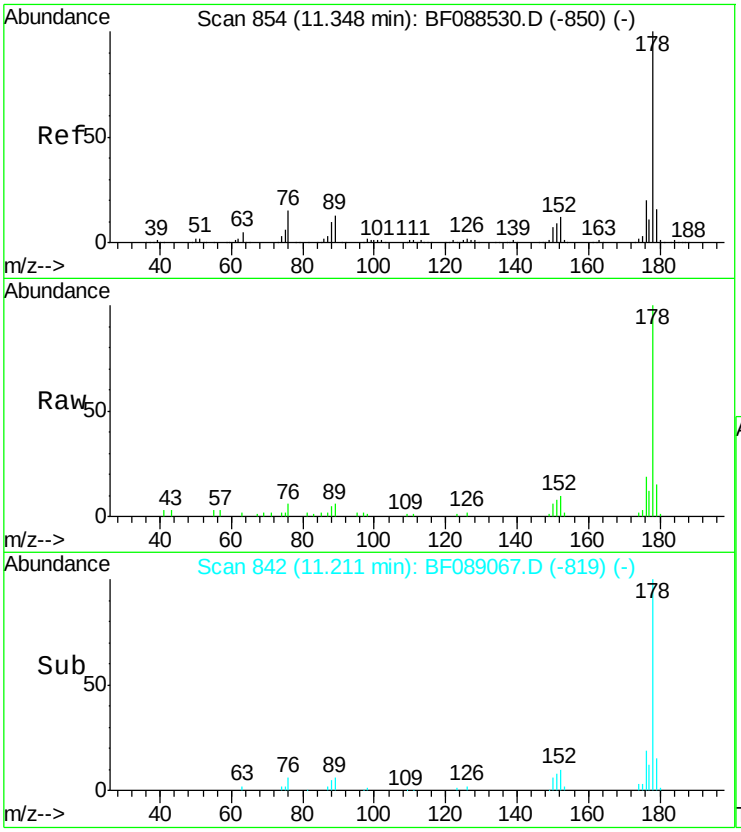




#66
4-Bromophenyl-phenylether
Concen: 3.71 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:248 Resp: 5229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 189.2 | 77.1 | 115.7# |
| 141 | 719.4 | 50.6 | 76.0# |



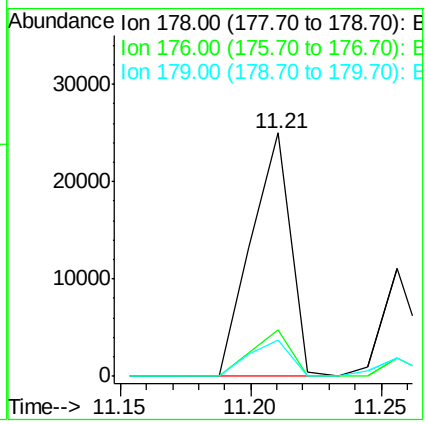


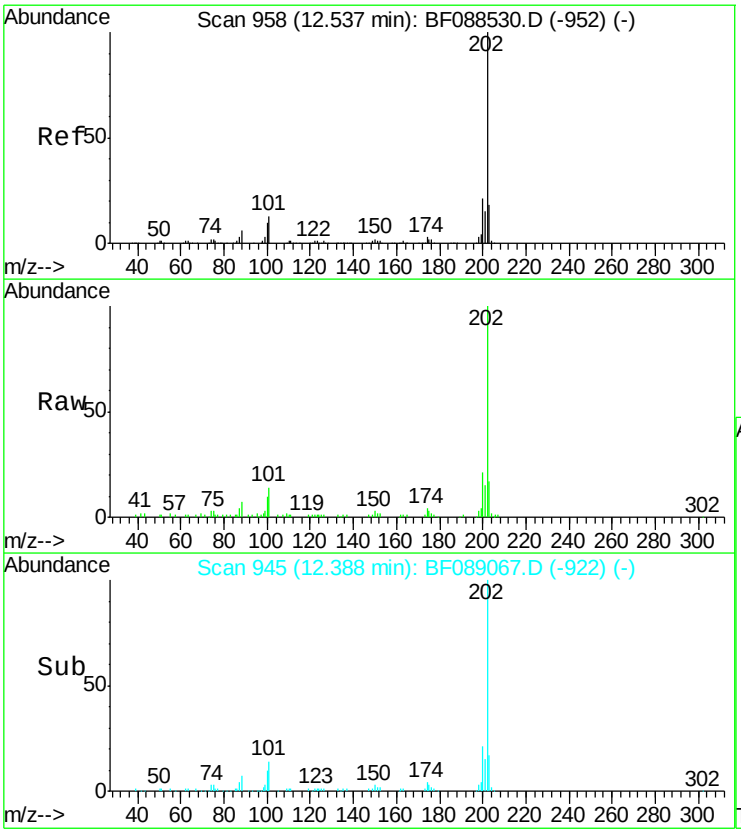

#70
Phenanthrene
Concen: 3.47 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:178 Resp: 26484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.8 | 23.6 |
| 179 | 15.0 | 13.0 | 19.4 |

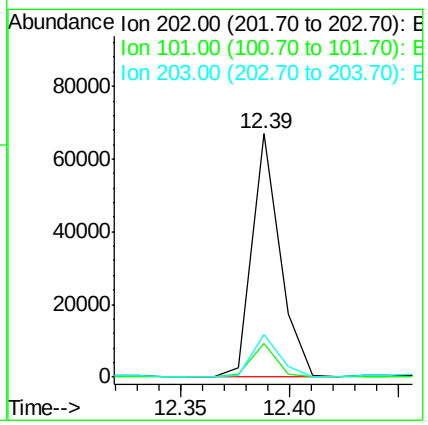


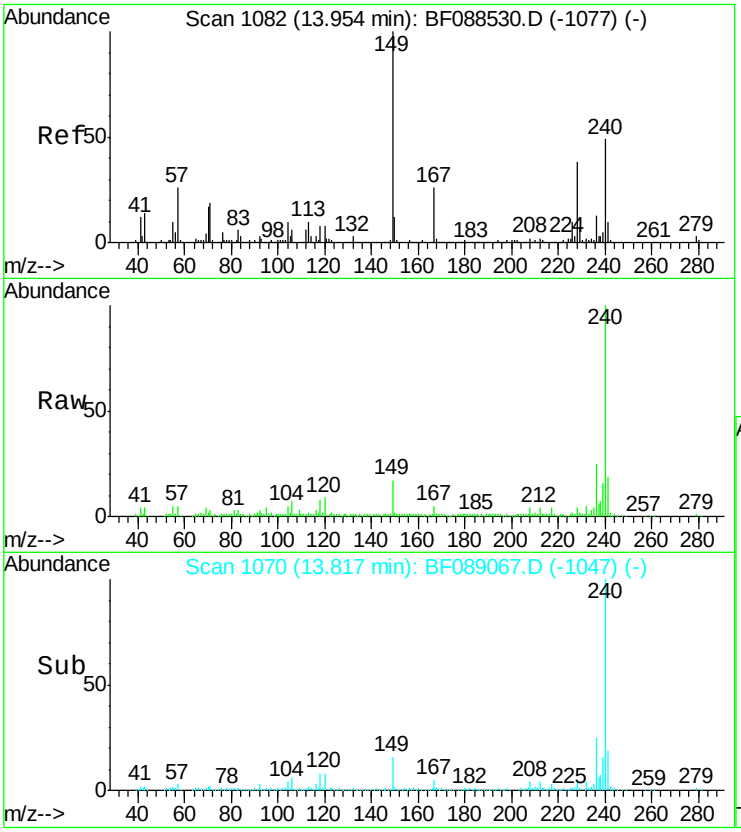




#74
Fluoranthene
Concen: 7.72 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:202 Resp: 59733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 0.0 | 33.1 |
| 203 | 17.5 | 0.0 | 38.1 |



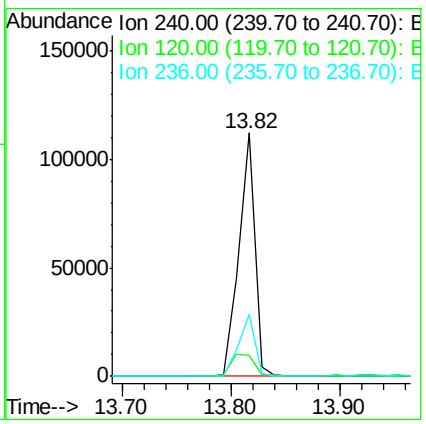


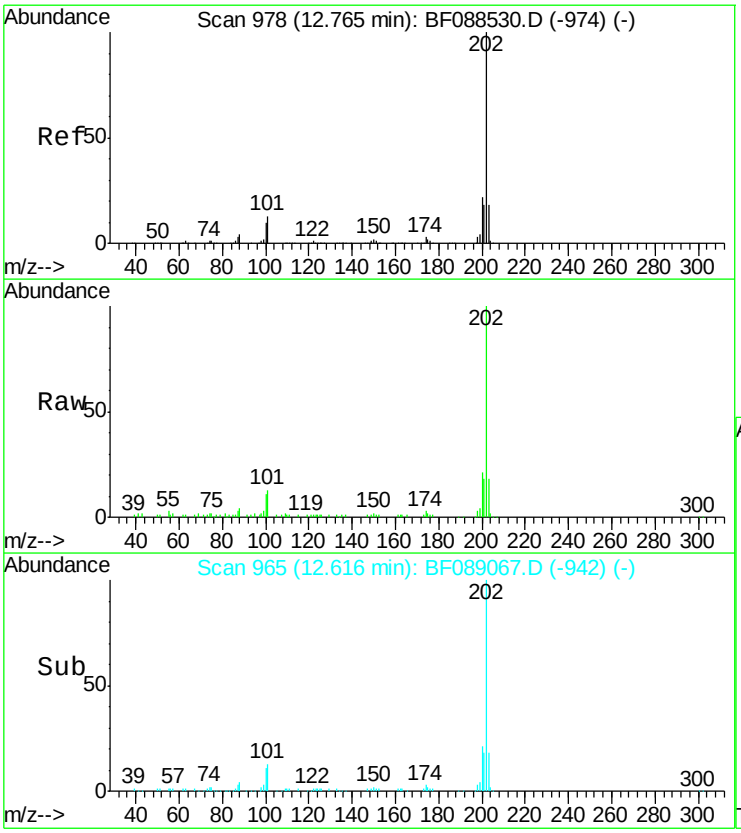

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:240 Resp: 112322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 6.8 | 10.2 |
| 236 | 25.5 | 20.2 | 30.2 |

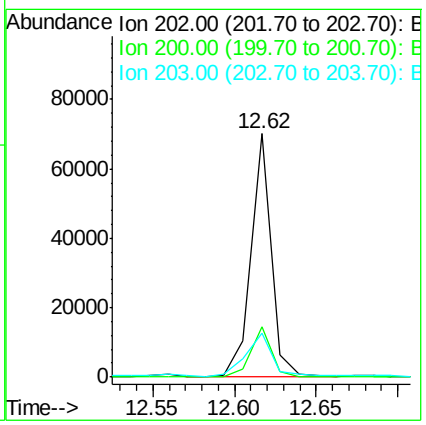


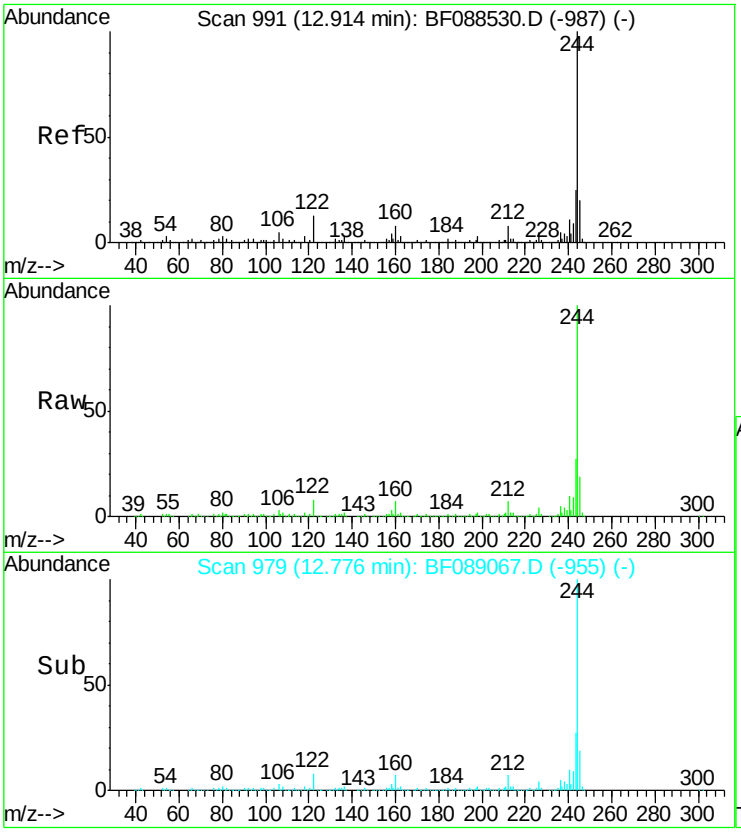




#77
Pyrene
Concen: 6.42 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:202 Resp: 61110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.4 | 26.2 |
| 203 | 18.1 | 14.5 | 21.7 |



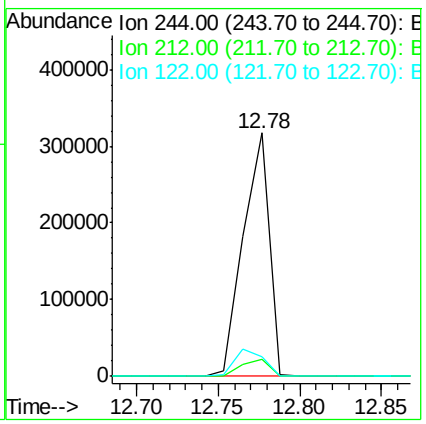


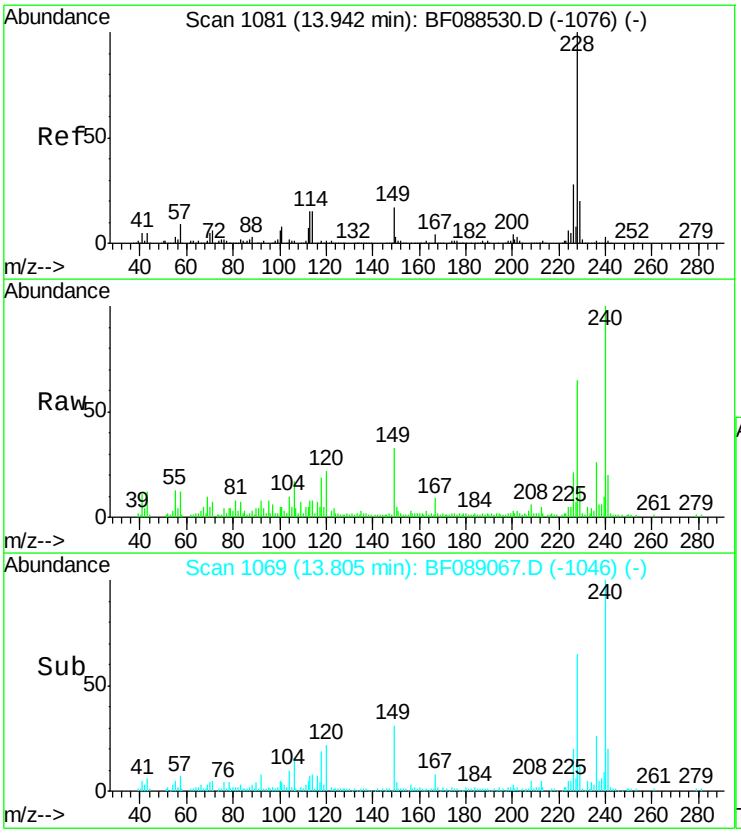

#78
Terphenyl-d14
Concen: 69.37 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:244 Resp: 349809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 8.1 | 11.2 | 16.8# |

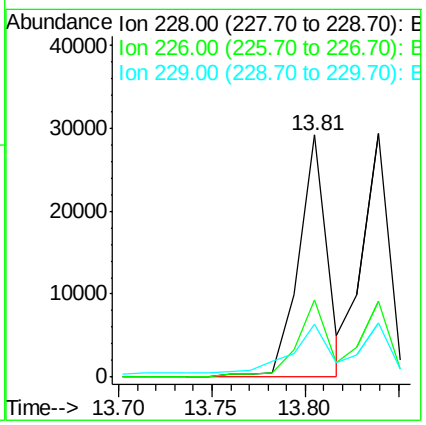


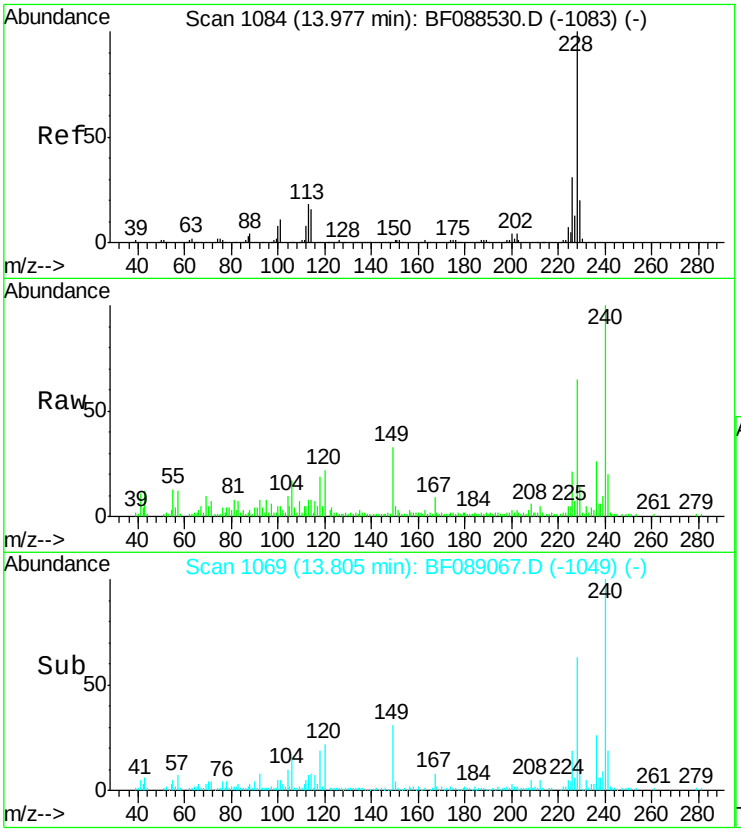




#80
Benzo(a)anthracene
Concen: 4.31 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:228 Resp: 31152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.8 | 22.3 | 33.5 |
| 229 | 21.7 | 16.0 | 24.0 |



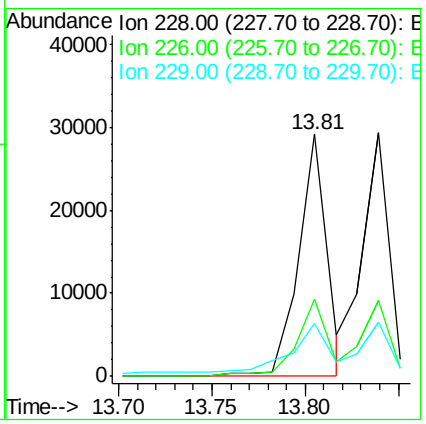


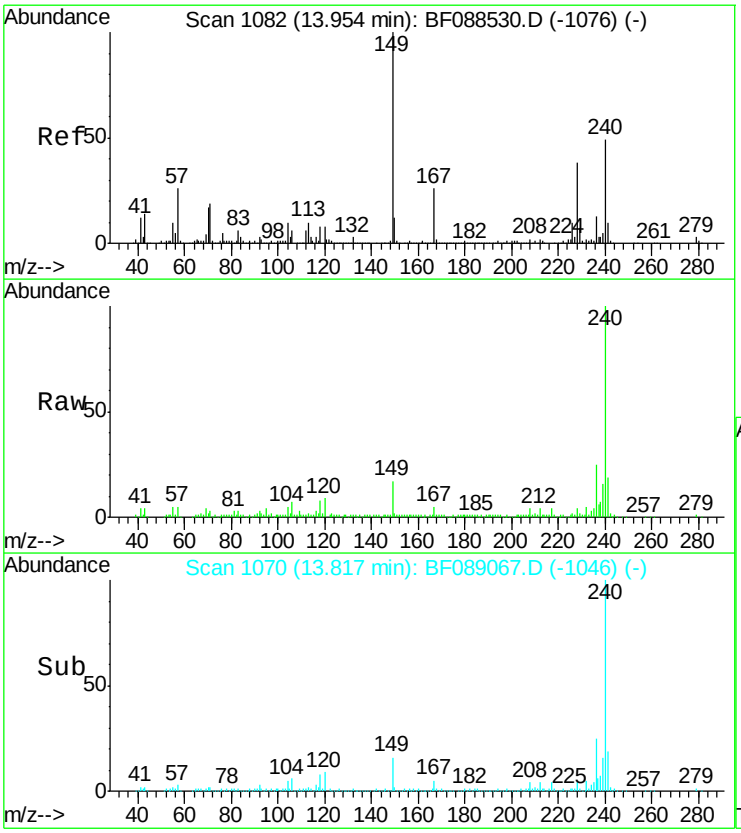

#82
Chrysene
Concen: 4.35 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.07 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:228 Resp: 31152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.8 | 25.4 | 38.2 |
| 229 | 21.7 | 16.3 | 24.5 |

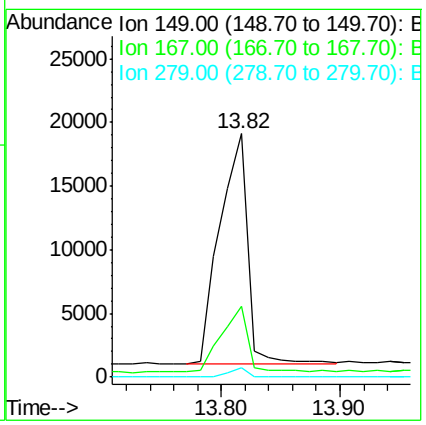


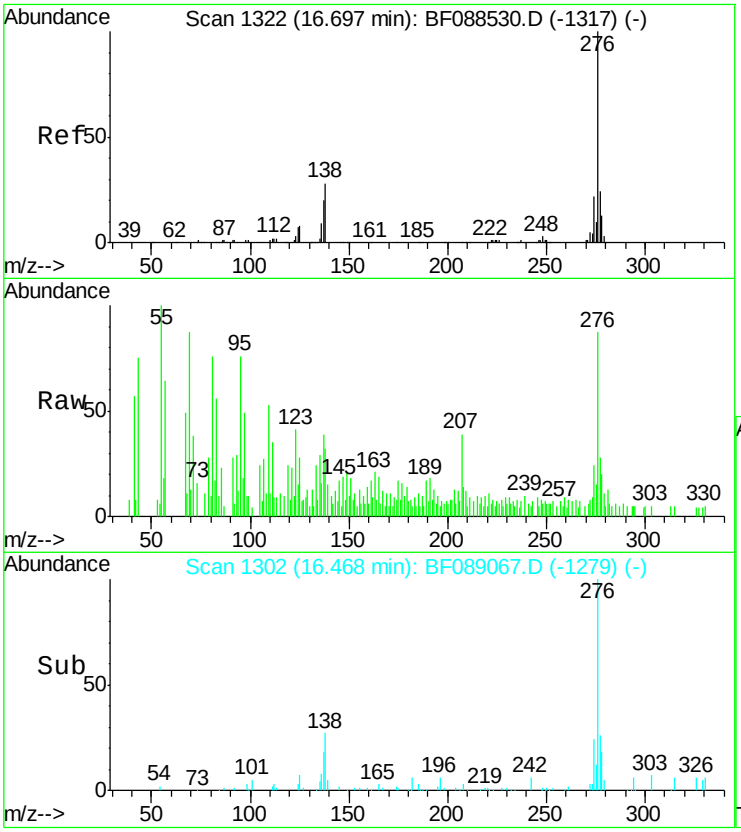




#83
Bis(2-ethylhexyl)phthalate
Concen: 6.16 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:149 Resp: 29869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 20.5 | 30.7 |
| 279 | 4.1 | 2.0 | 3.0# |



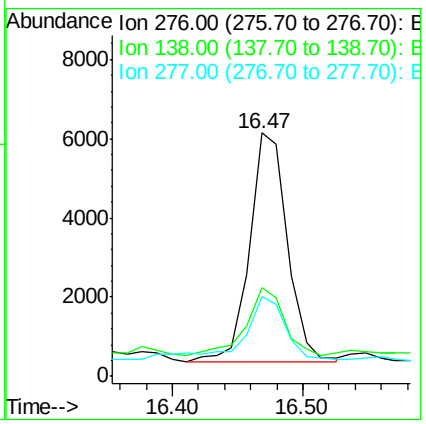


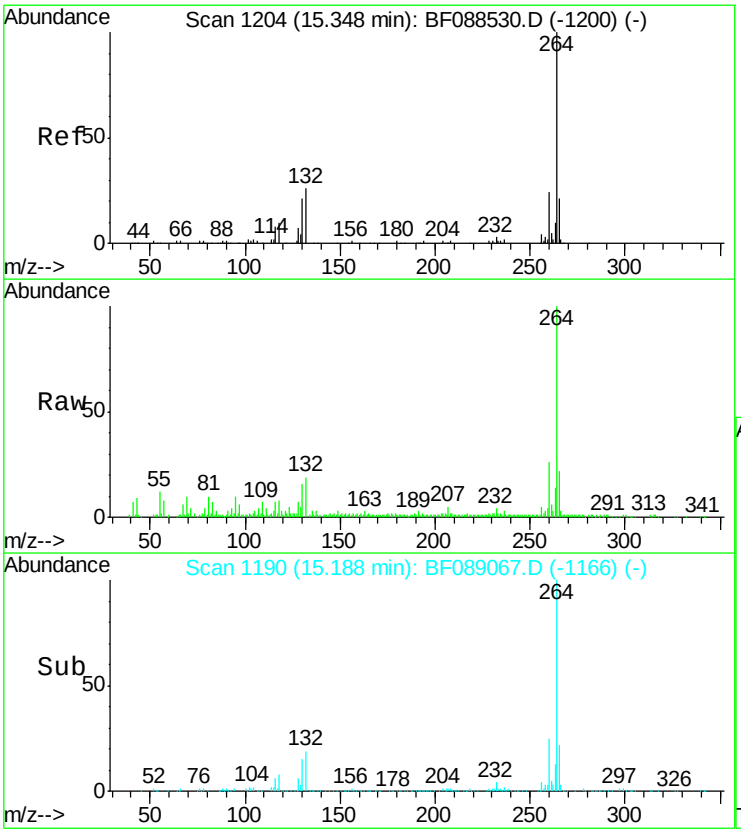

#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:276 Resp: 11561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.3 | 0.0 | 0.0# |
| 277 | 31.5 | 0.0 | 0.0# |

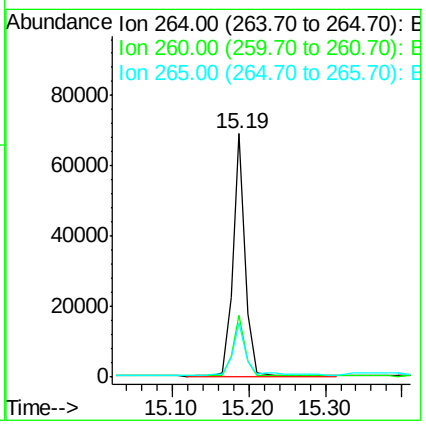


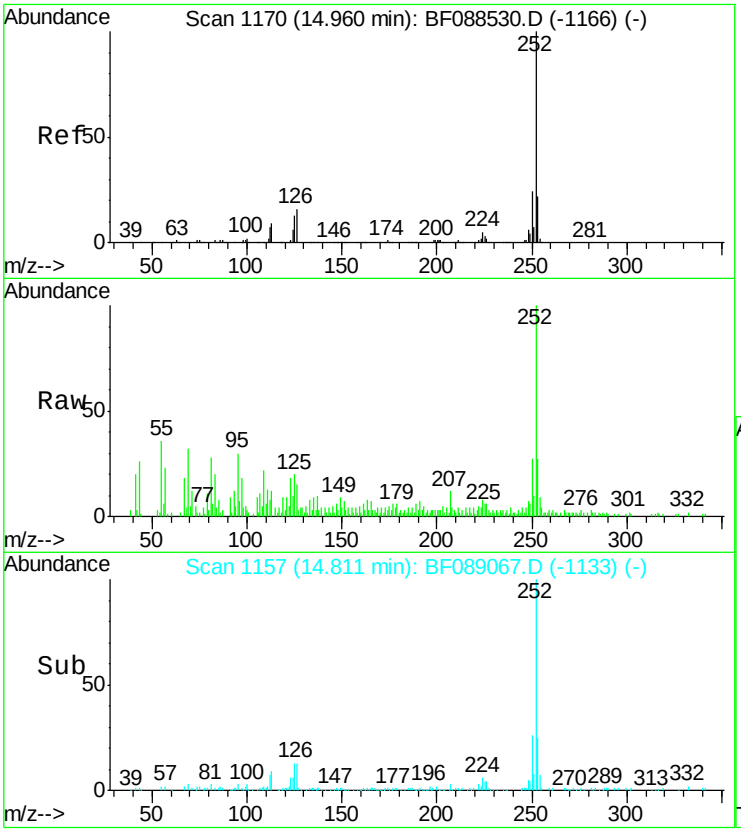




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:264 Resp: 80895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.5 | 19.2 | 28.8 |
| 265 | 22.3 | 16.9 | 25.3 |



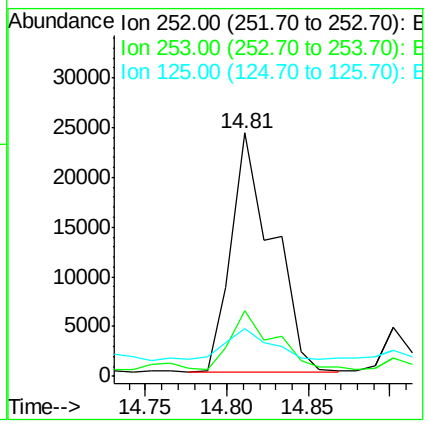


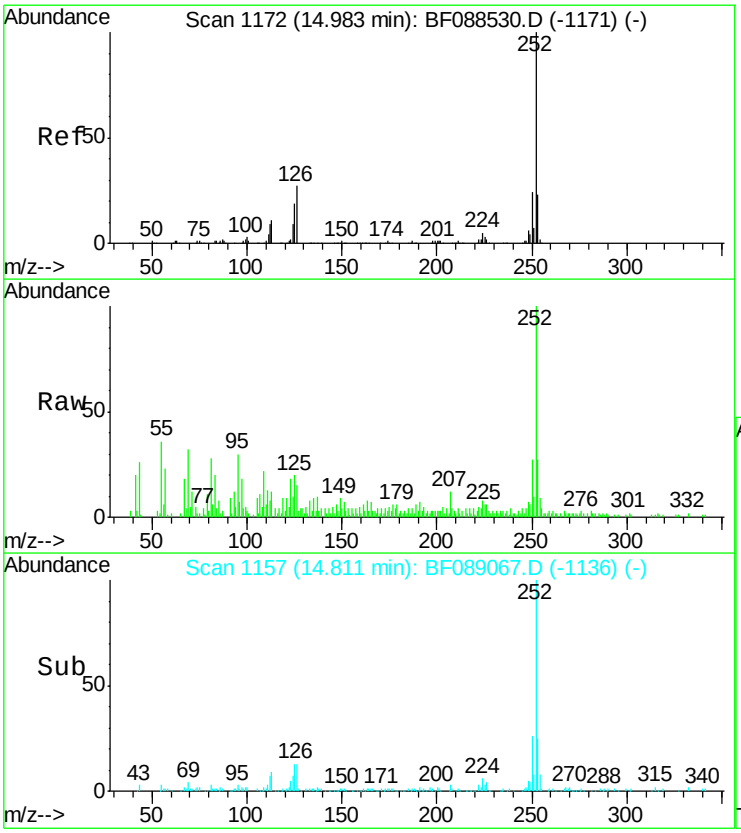

#87
Benzo(b)fluoranthene
Concen: 8.46 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:252 Resp: 42928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.8 | 17.4 | 26.2# |
| 125 | 19.5 | 7.1 | 10.7# |

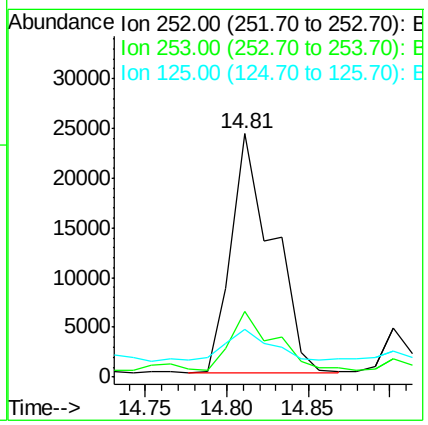


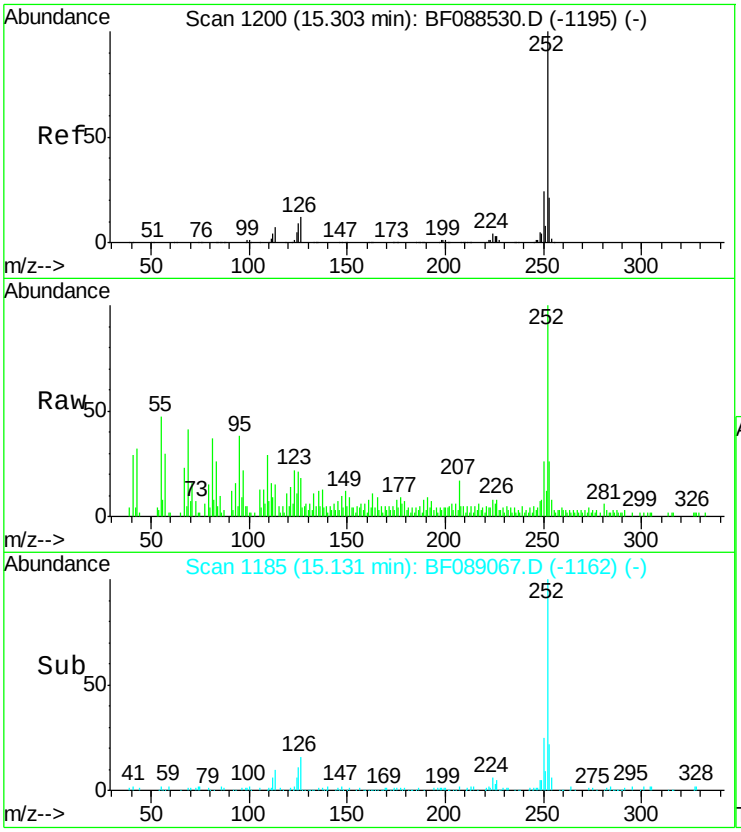




#88
Benzo(k)fluoranthene
Concen: 9.72 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.06 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:252 Resp: 42928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.8 | 18.0 | 27.0 |
| 125 | 19.5 | 11.2 | 16.8# |



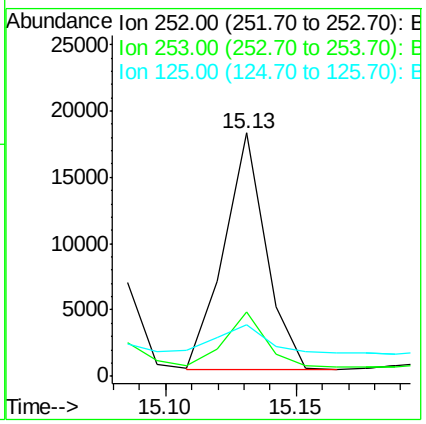


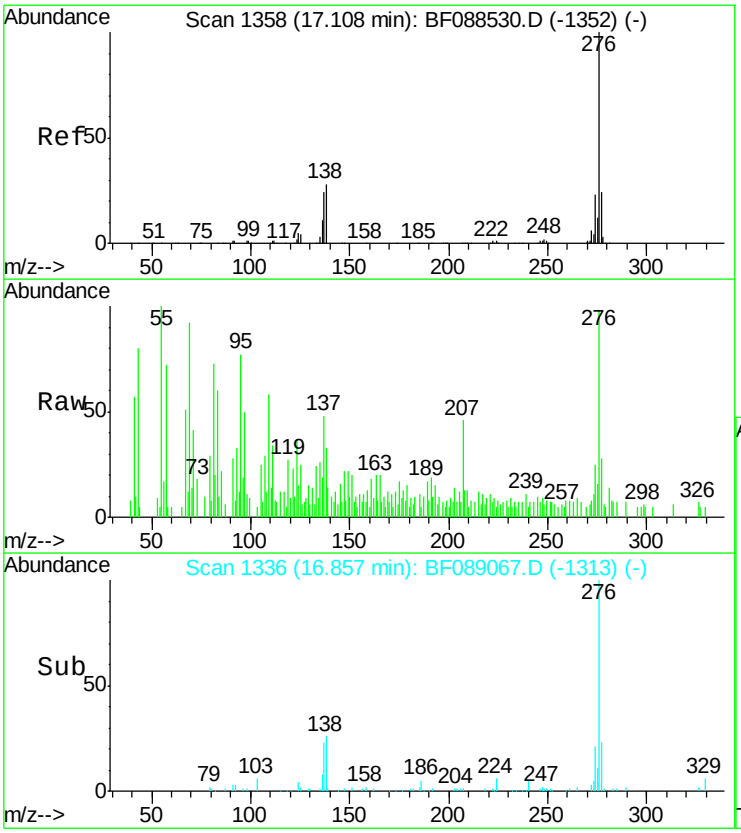

#89
Benzo(a)pyrene
Concen: 4.71 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

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

Tgt Ion:252 Resp: 20221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 17.9 | 26.9 |
| 125 | 21.2 | 12.5 | 18.7# |




#91
Benzo(g,h,i)perylene
Concen: 3.95 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.03 min
Lab File: BF089067.D
Acq: 16 Jul 2016 21:13

Tgt Ion:276 Resp: 14662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.4 | 18.9 | 28.3# |
| 138 | 33.9 | 21.4 | 32.2# |