Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
Data File : BF103606.D
Acq On : 13 Mar 2018 16:08
Operator : SJ/JU
Sample : J1821-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 13 16:38:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 132498 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 574804 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 255537 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 434014 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.05 | 240 | 263444 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.56 | 264 | 233371 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 6871 | 0.78 | ng | | 0.14 |
| 7) Phenol-d6 | 6.53 | 99 | 194161 | 18.11 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 764958 | 76.00 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 5421 | 2.51 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1051789 | 67.46 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.98 | 244 | 780079 | 71.18 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.51 | 77 | 3633 | Below Cal | | # | 57 |
| 19) n-Nitroso-di-n-propylamine | 7.43 | 70 | 99283 | 14.881 | ng | # | 83 |
| 25) Isophorone | 7.43 | 82 | 764958 | 38.589 | ng | # | 64 |
| 32) Benzoic acid | 7.99 | 122 | 110 | 6.930 | ng | # | 35 |
| 49) Dimethylphthalate | 9.61 | 163 | 125494 | 6.122 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 34816 | 6.399 | ng | # | 24 |
| 70) Phenanthrene | 11.42 | 178 | 69921 | 2.927 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 69921 | 2.855 | ng | | 99 |
| 74) Fluoranthene | 12.62 | 202 | 146840 | 6.118 | ng | | 98 |
| 77) Pyrene | 12.85 | 202 | 139997 | 6.816 | ng | | 100 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 58354 | 3.414 | ng | | 97 |
| 82) Chrysene | 14.08 | 228 | 59010 | 3.555 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 36896 | 2.519 | ng | # | 99 |
| 87) Benzo(b)fluoranthene | 15.13 | 252 | 93501 | 6.094 | ng | # | 88 |
| 88) Benzo(k)fluoranthene | 15.13 | 252 | 93501 | 6.471 | ng | # | 90 |
| 89) Benzo(a)pyrene | 15.50 | 252 | 54329 | 3.965 | ng | # | 89 |
| 91) Benzo(g,h,i)perylene | 17.60 | 276 | 28746 | 2.778 | ng | # | 92 |

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

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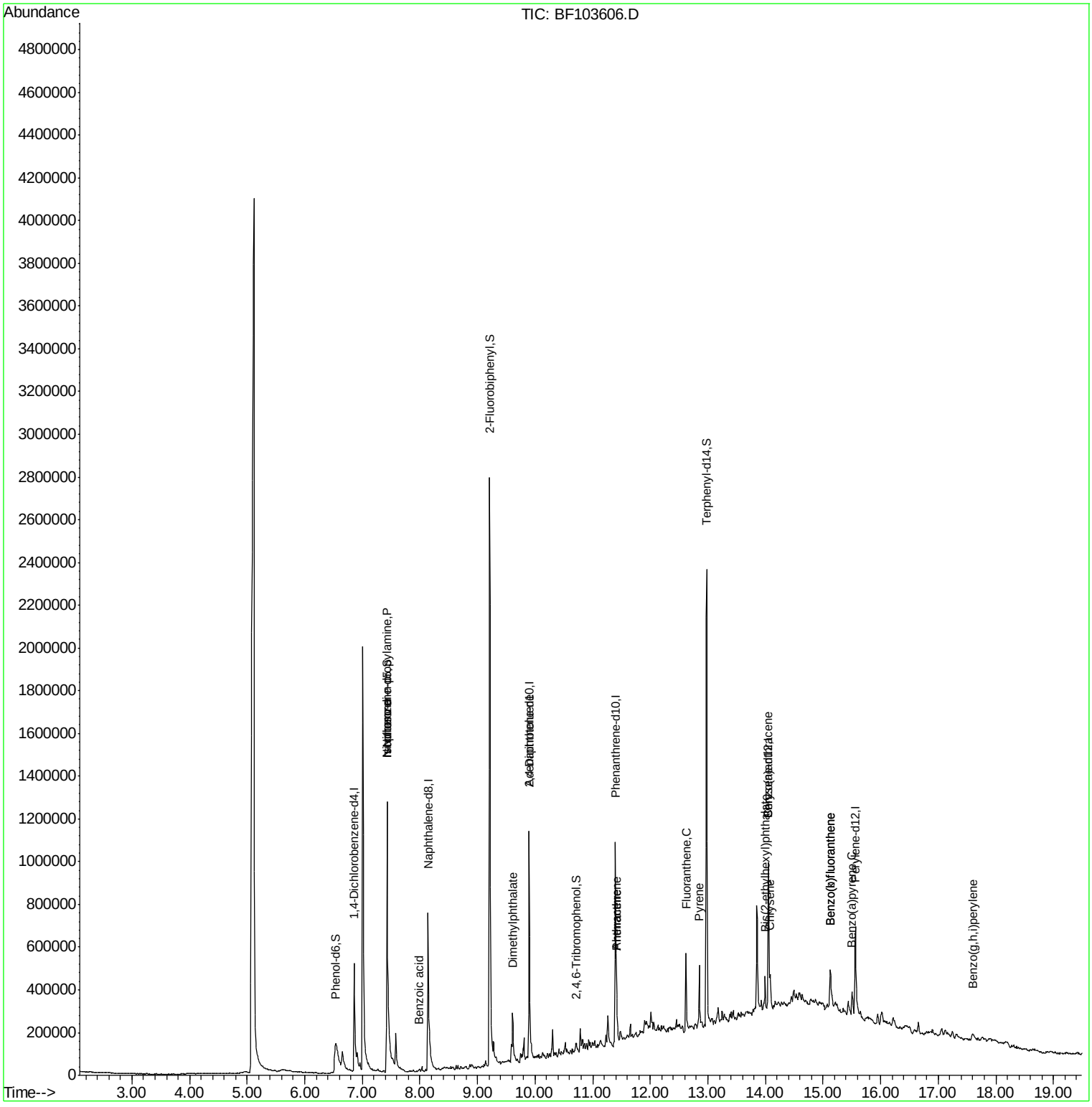
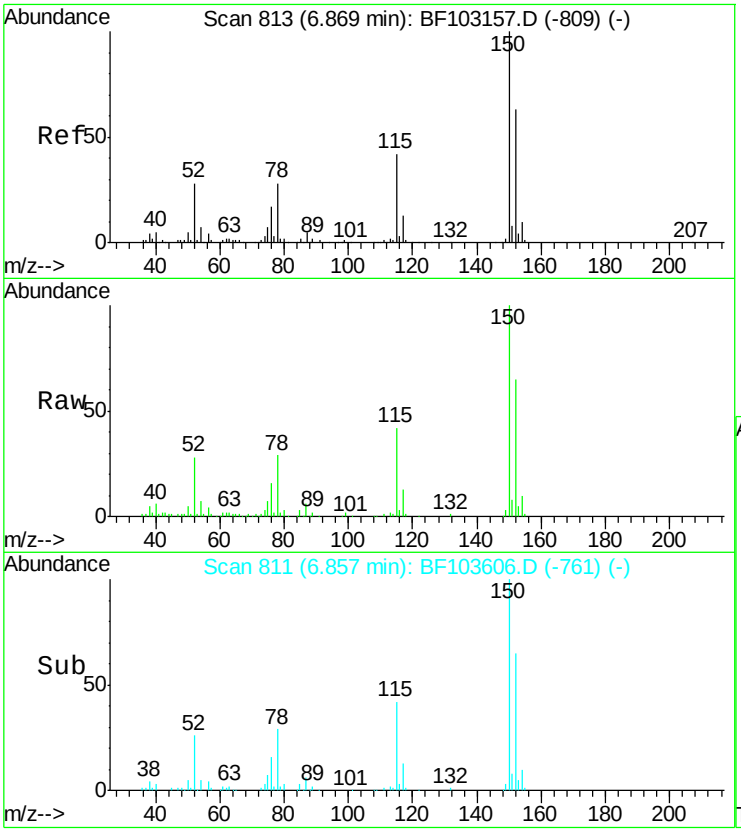
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
Data File : BF103606.D
Acq On : 13 Mar 2018 16:08
Operator : SJ/JU
Sample : J1821-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 13 16:38:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration



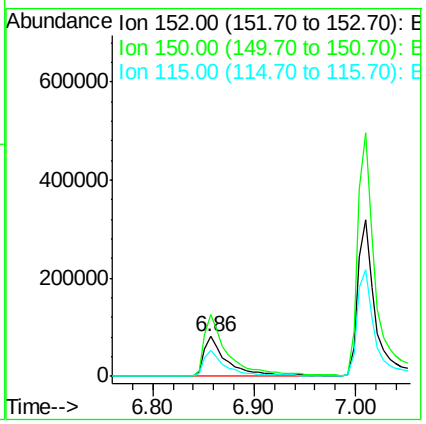


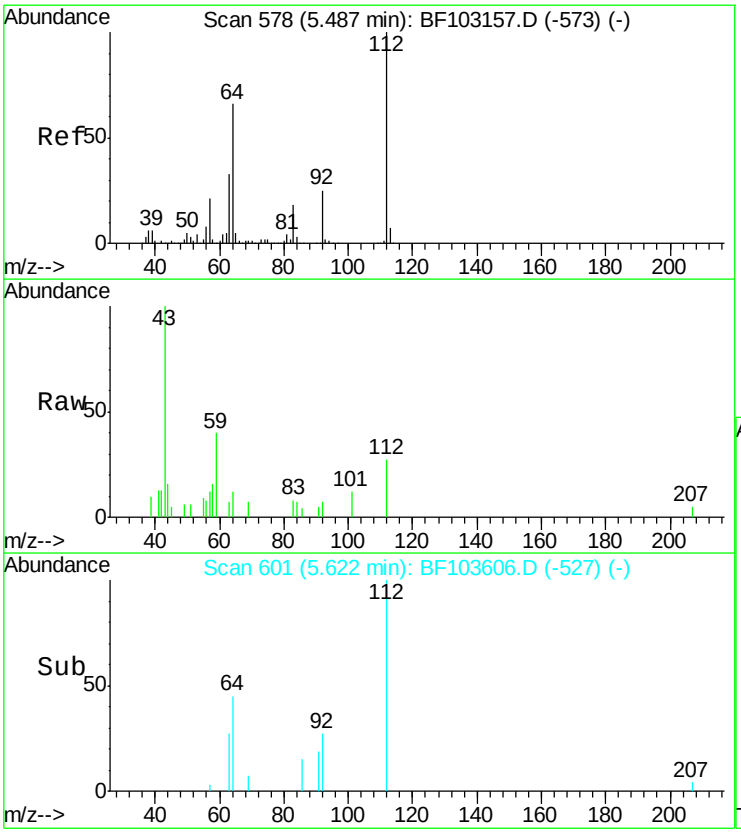

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:152 Resp: 132498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 124.6 | 186.8 |
| 115 | 64.5 | 50.1 | 75.1 |

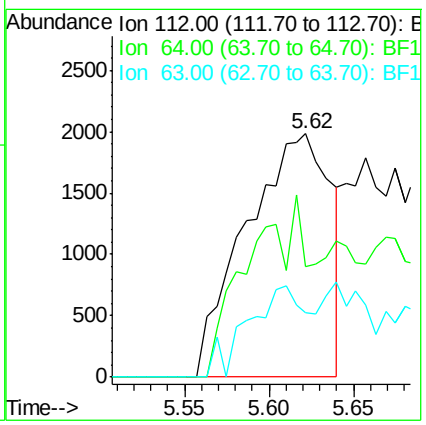


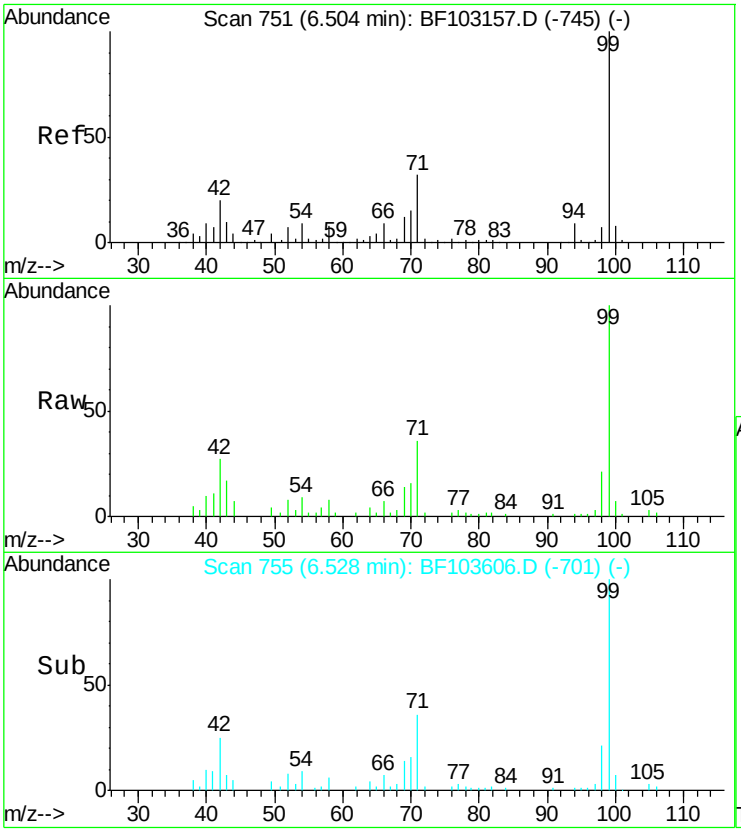




#5
2-Fluorophenol
Concen: 0.784 ng
RT: 5.62 min Scan# 601
Delta R.T. 0.14 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:112 Resp: 6871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 45.2 | 47.9 | 71.9# |
| 63 | 26.7 | 23.7 | 35.5 |



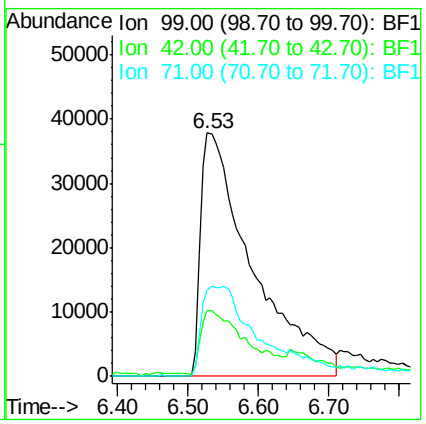


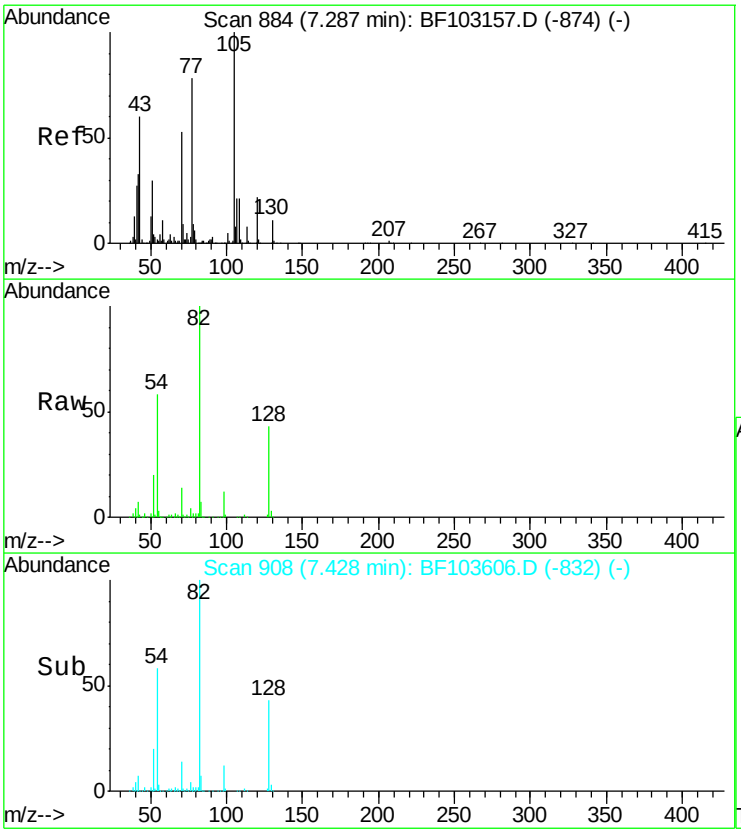

#7
Phenol-d6
Concen: 18.112 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.02 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion: 99 Resp: 194161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.1 | 14.5 | 21.7# |
| 71 | 35.5 | 25.4 | 38.0 |

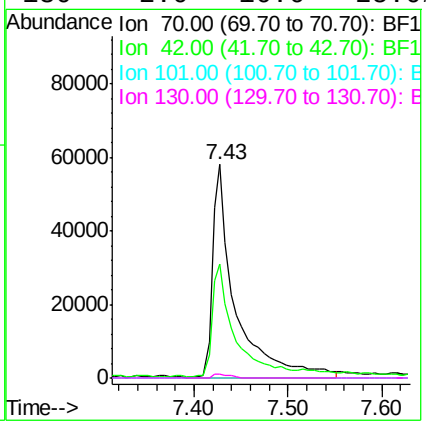


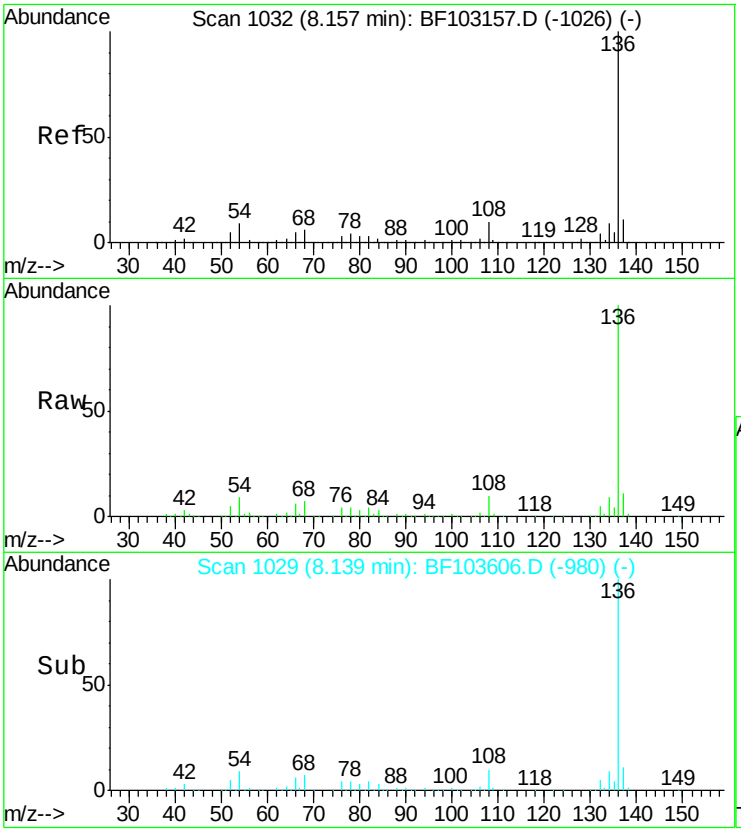




#19
n-Nitroso-di-n-propylamine
Concen: 14.881 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.15 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion: 70 Resp: 99283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.3 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.0 | 16.6 | 25.0# |



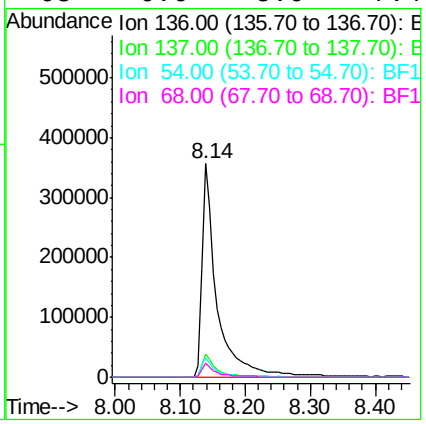


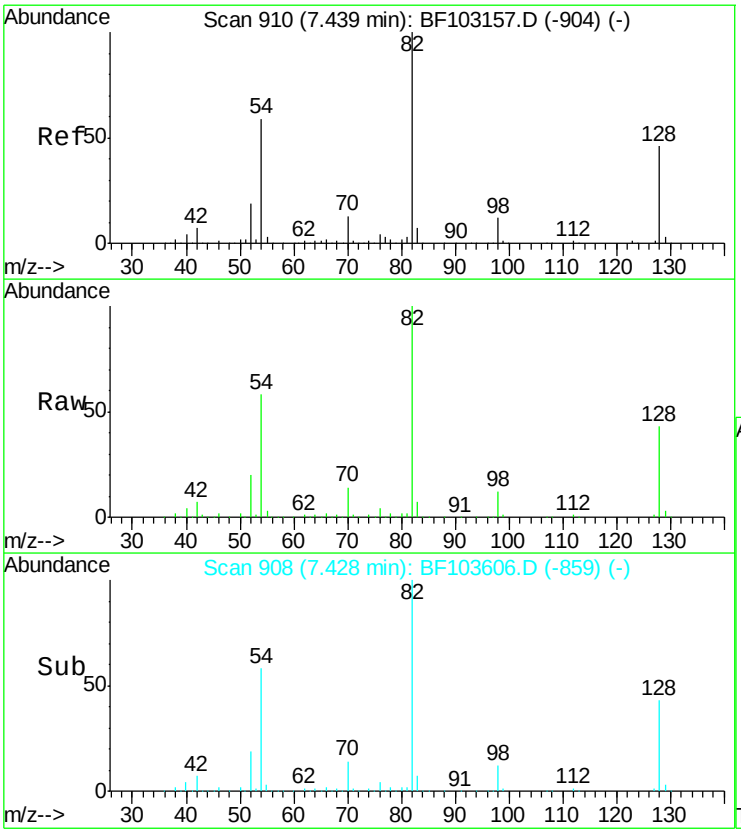

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:136 Resp: 574804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 9.3 | 6.6 | 9.8 |
| 68 | 6.6 | 5.0 | 7.4 |

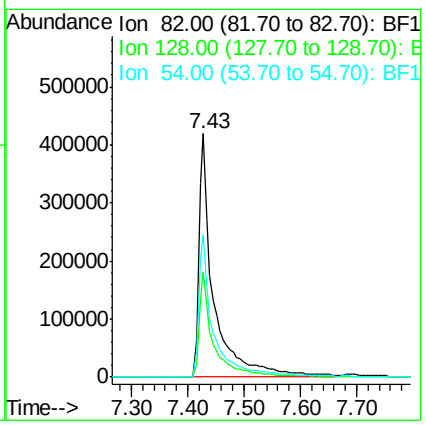


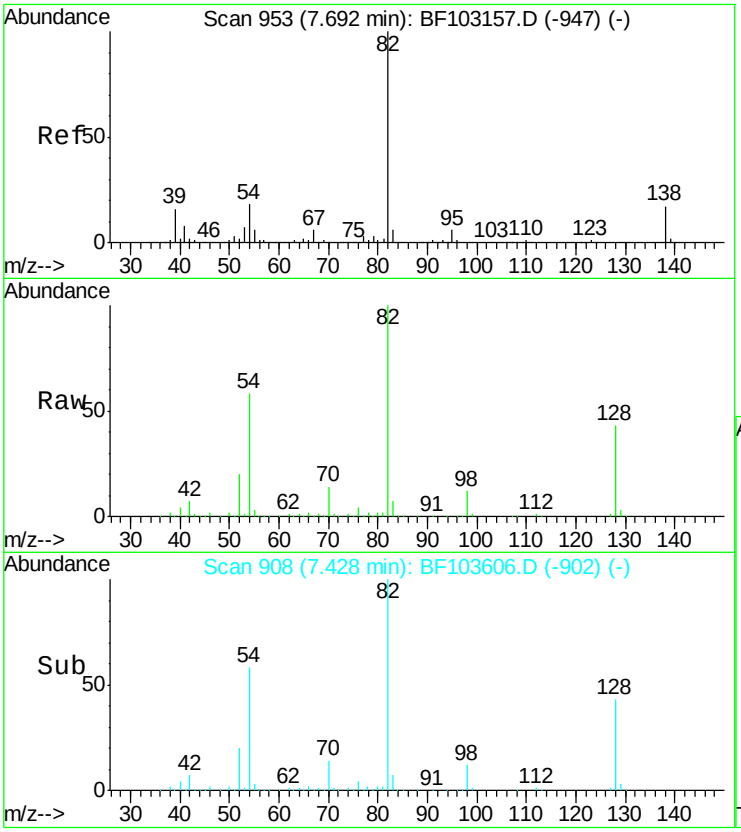




#23
Nitrobenzene-d5
Concen: 76.001 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion: 82 Resp: 764958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.1 | 36.1 | 54.1 |
| 54 | 58.5 | 41.4 | 62.2 |



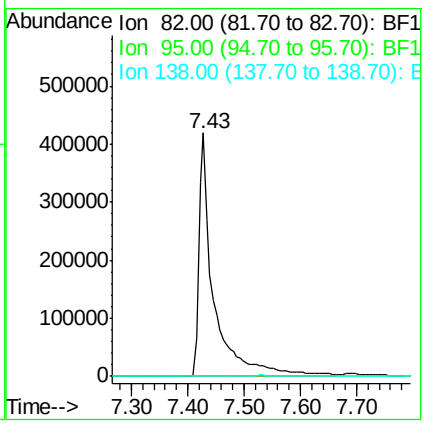


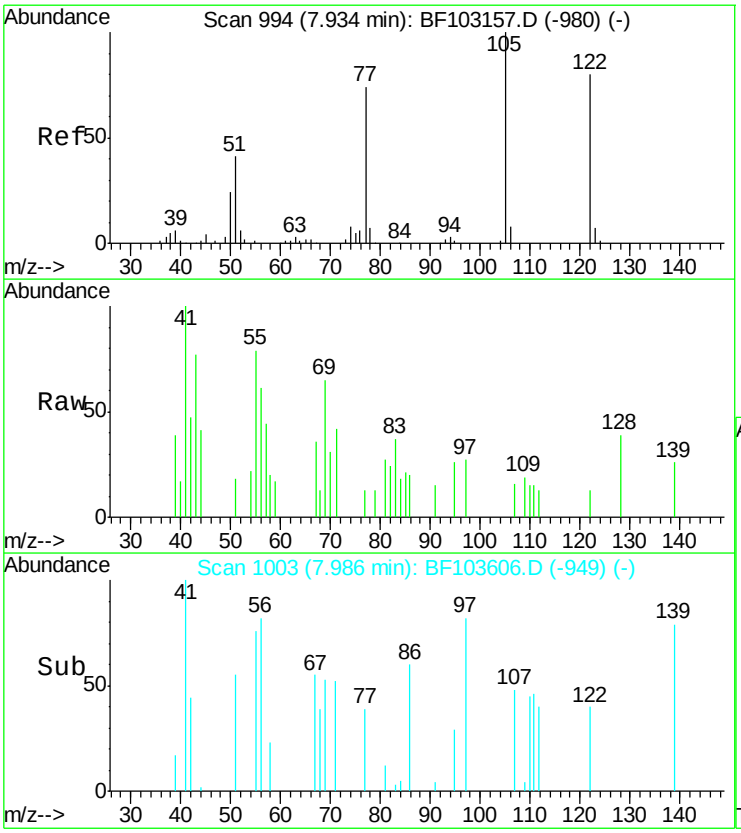

#25
Isophorone
Concen: 38.589 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion: 82 Resp: 764958

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

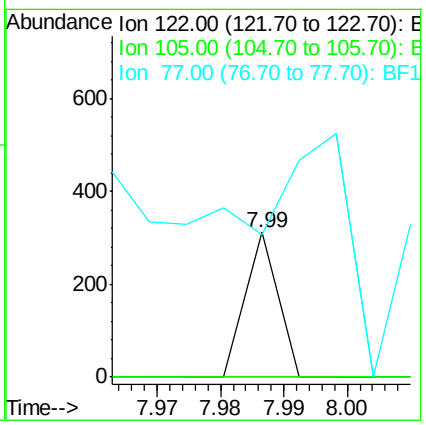


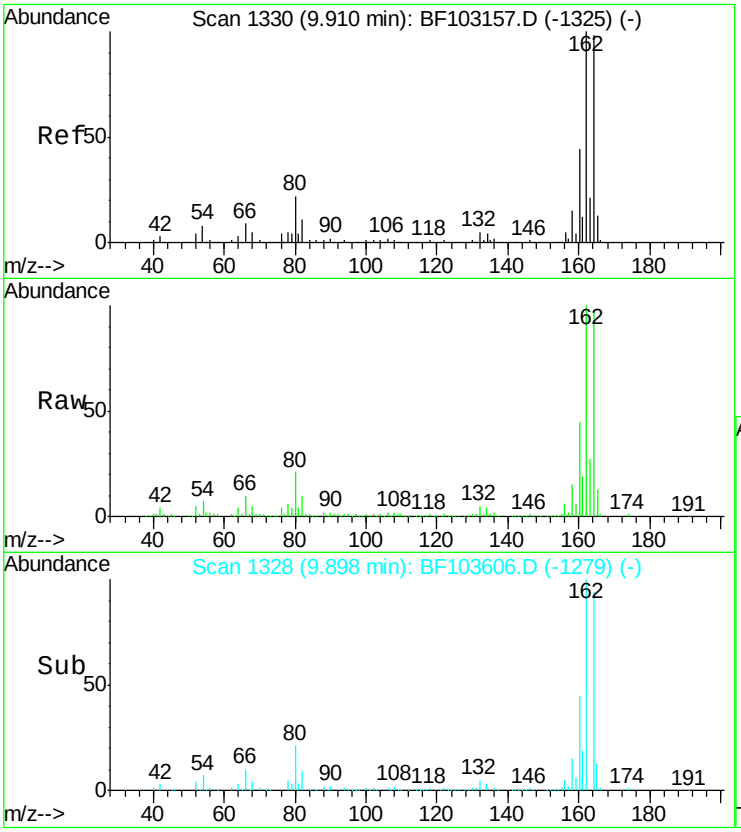




#32
Benzoic acid
Concen: 6.930 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.02 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:122 Resp: 110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 98.4 | 70.7 | 110.7 |

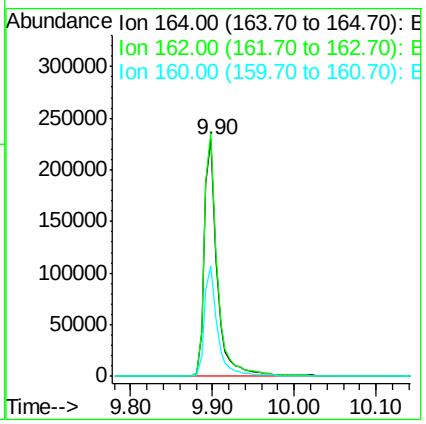




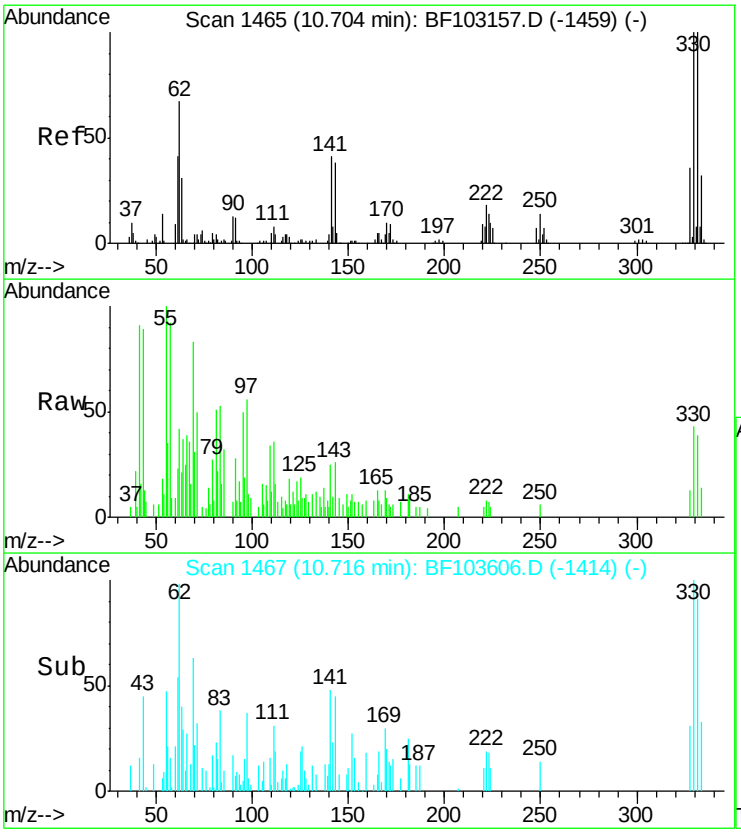

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:164 Resp: 255537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 86.1 | 129.1 |
| 160 | 46.5 | 38.3 | 57.5 |



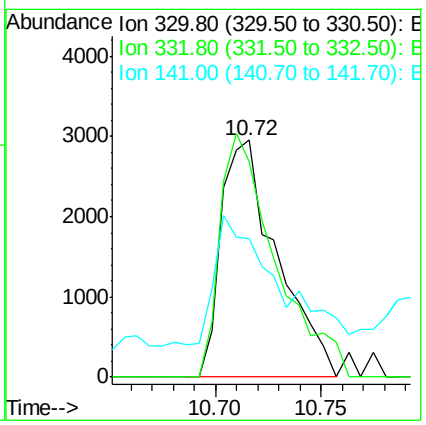

**Instrument :**
BNA_F
**ClientSampleId :**

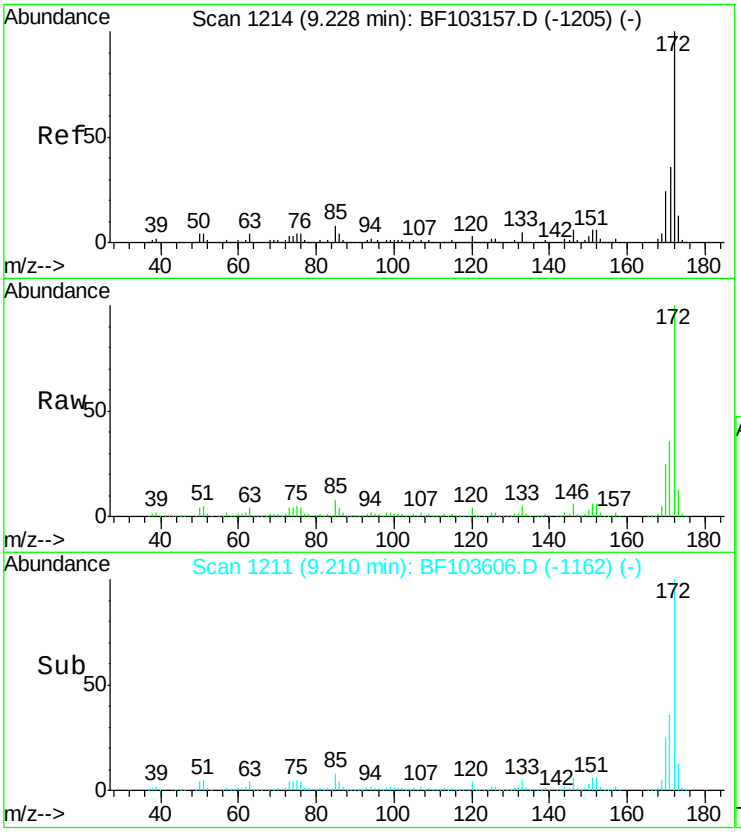



#41
2,4,6-Tribromophenol
Concen: 2.506 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:330 Resp: 5421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 102.3 | 77.0 | 115.6 |
| 141 | 61.4 | 29.9 | 44.9# |



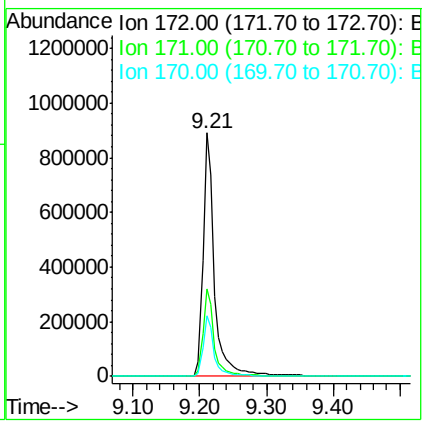


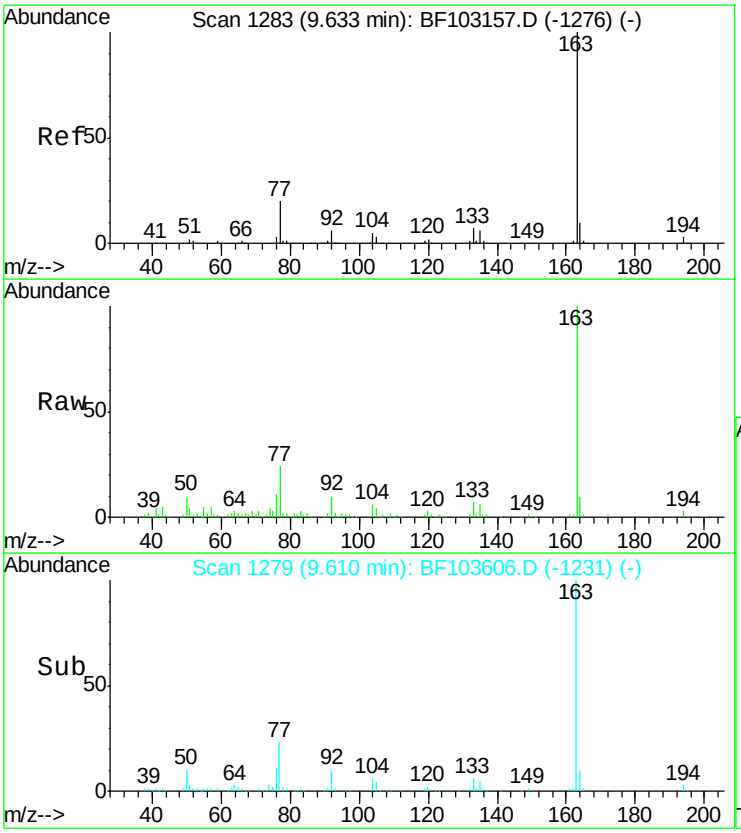

#44
2-Fluorobiphenyl
Concen: 67.457 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:172 Resp: 1051789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 24.8 | 19.6 | 29.4 |

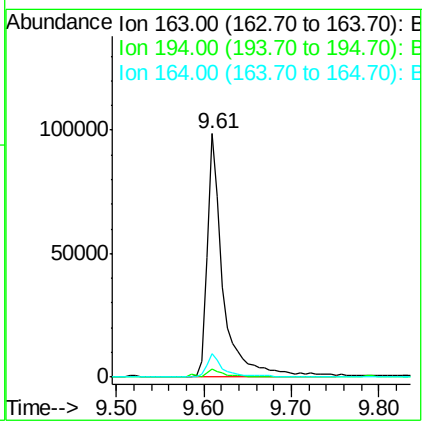


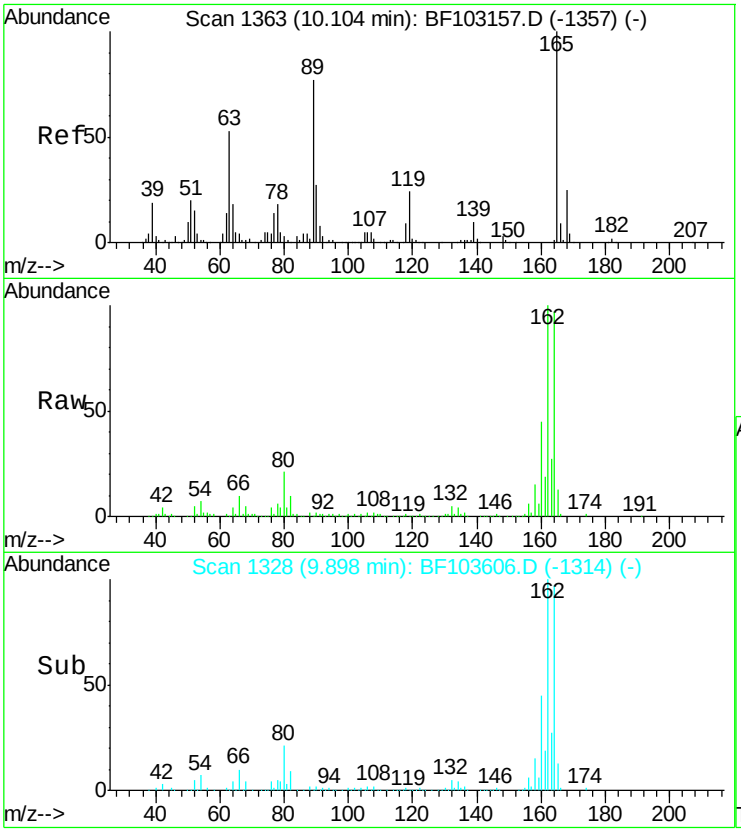




#49
Dimethylphthalate
Concen: 6.122 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:163 Resp: 125494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.7 | 4.1 |
| 164 | 9.6 | 8.2 | 12.2 |



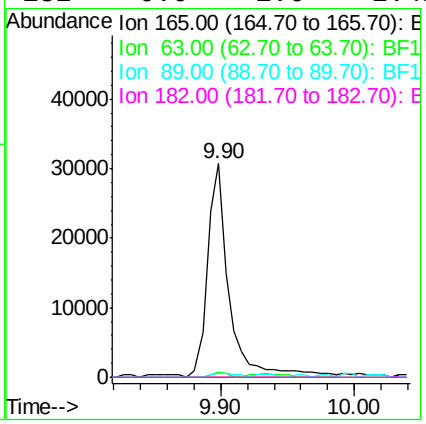


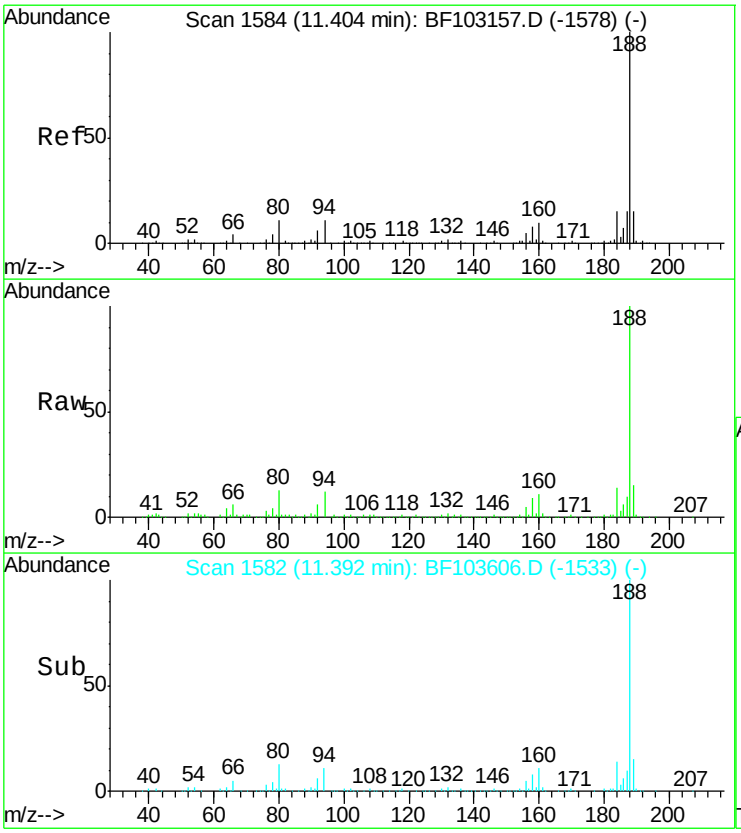

#56
2,4-Dinitrotoluene
Concen: 6.399 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:165 Resp: 34816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.2 | 36.4 | 54.6# |
| 89 | 2.0 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

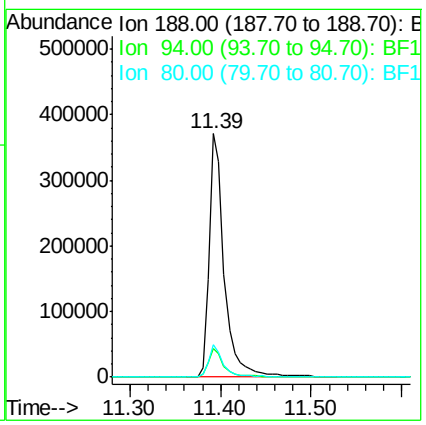


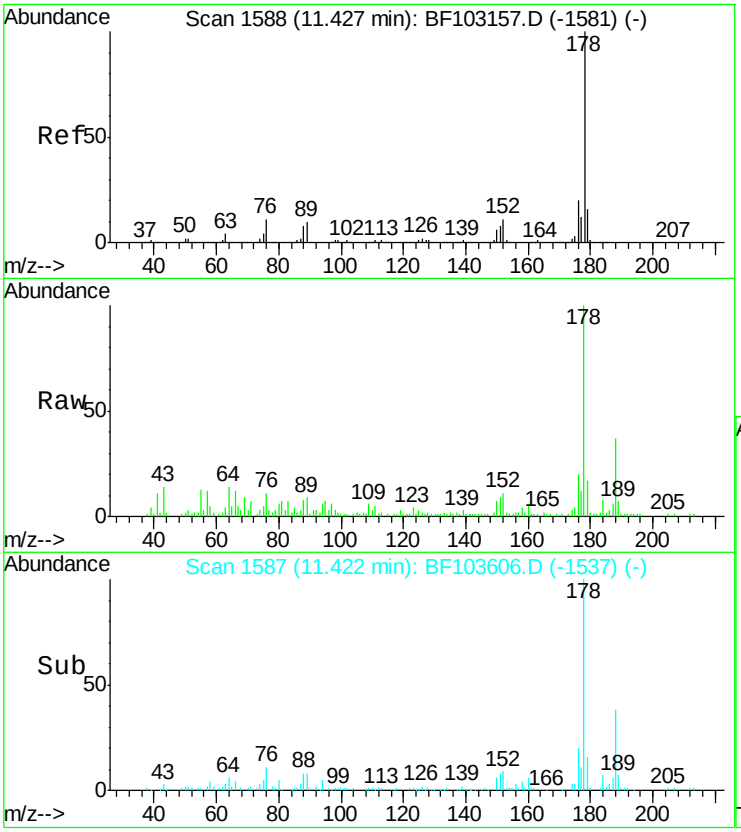




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:188 Resp: 434014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.6 | 8.5 | 12.7 |
| 80 | 13.3 | 9.2 | 13.8 |



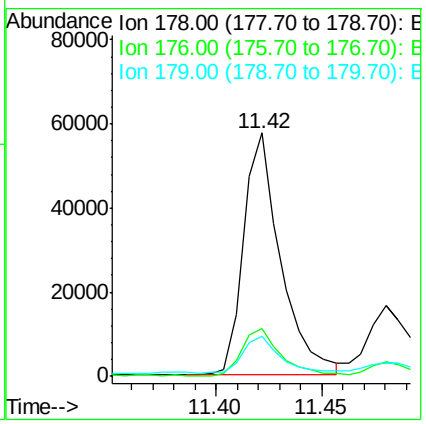


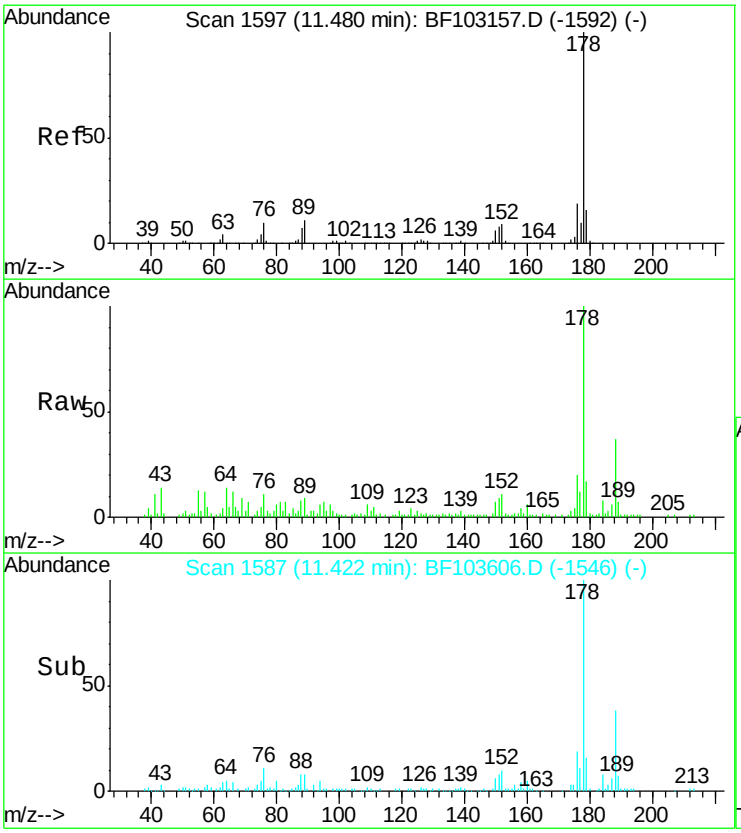

#70
Phenanthrene
Concen: 2.927 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:178 Resp: 69921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.8 | 23.8 |
| 179 | 16.7 | 13.0 | 19.6 |

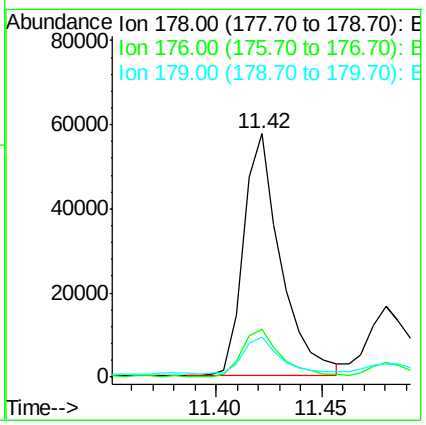


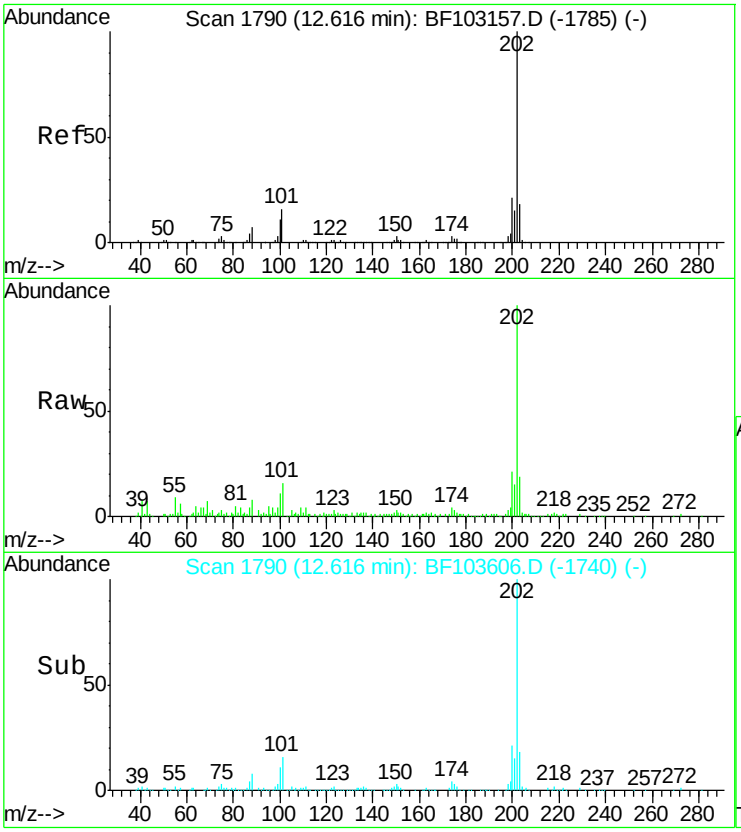




#71
Anthracene
Concen: 2.855 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.06 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:178 Resp: 69921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.2 |
| 179 | 16.7 | 12.6 | 19.0 |



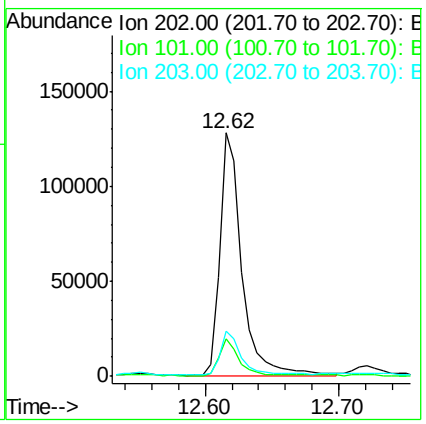


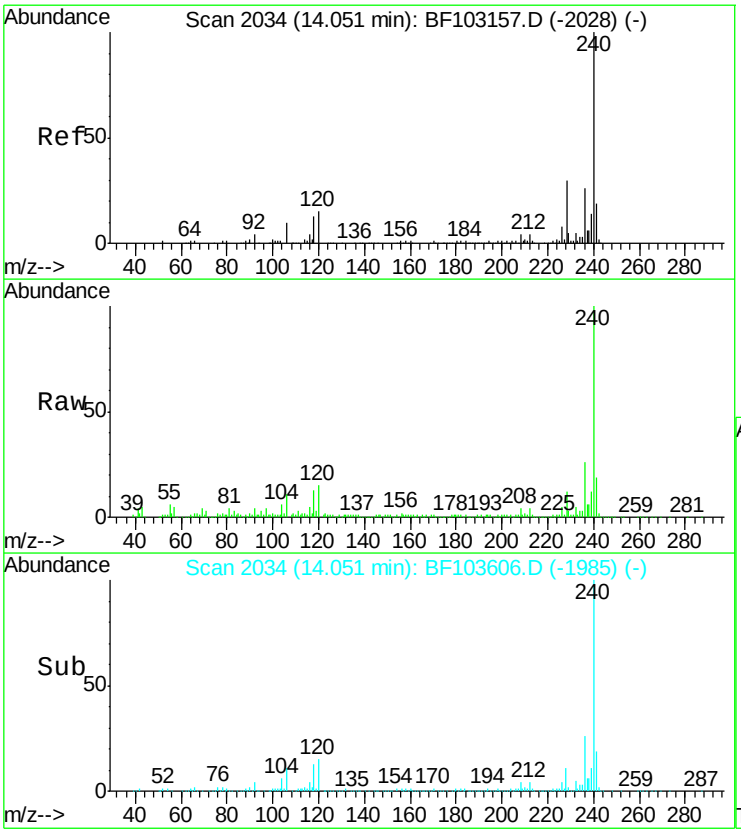

#74
Fluoranthene
Concen: 6.118 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:202 Resp: 146840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.6 | 0.0 | 34.1 |
| 203 | 18.5 | 0.0 | 38.1 |

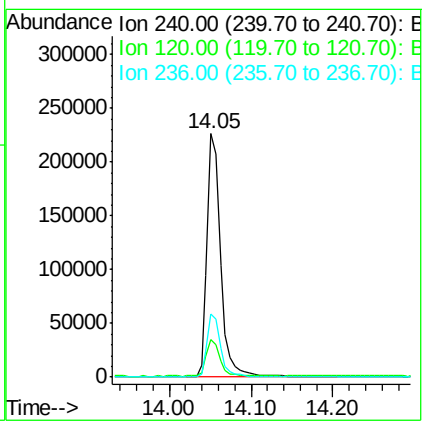


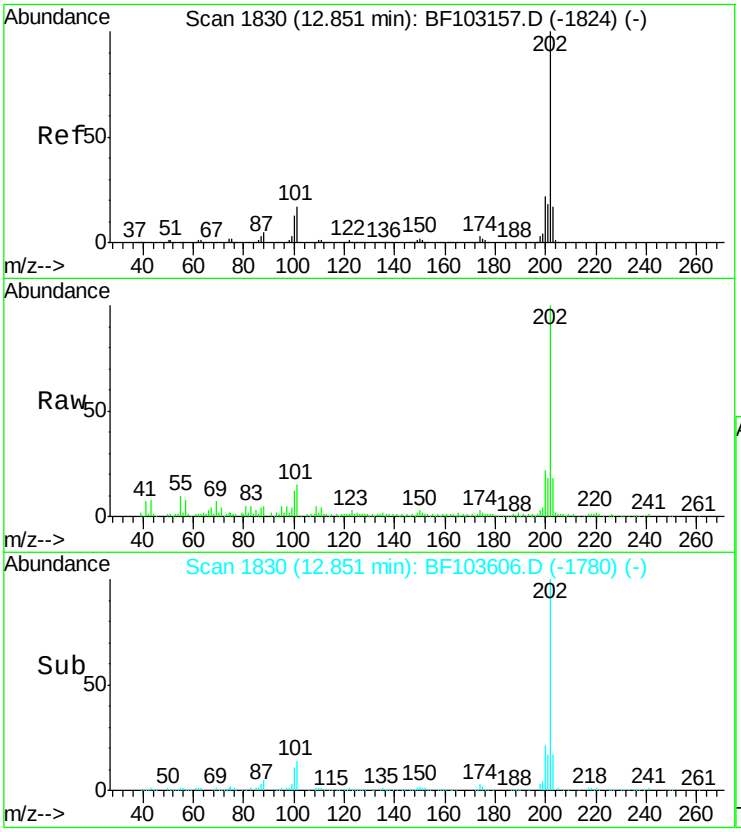




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:240 Resp: 263444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.3 | 9.5 | 14.3# |
| 236 | 26.0 | 20.7 | 31.1 |



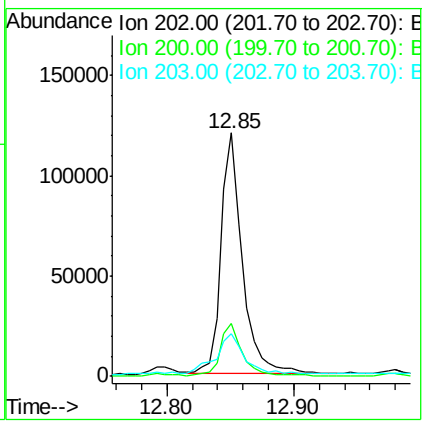


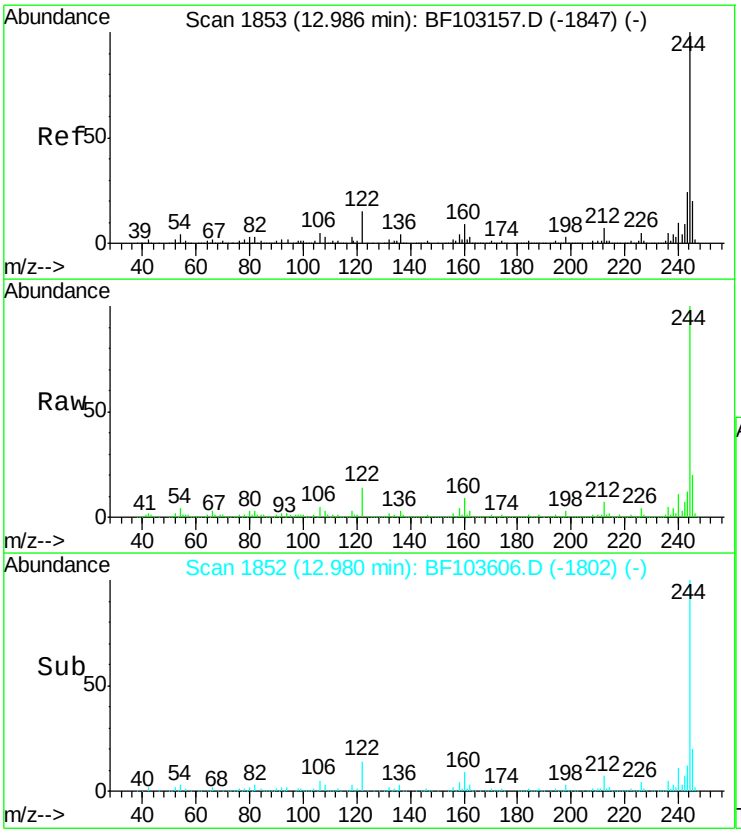

#77
Pyrene
Concen: 6.816 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:202 Resp: 139997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.4 | 26.2 |
| 203 | 17.6 | 14.3 | 21.5 |

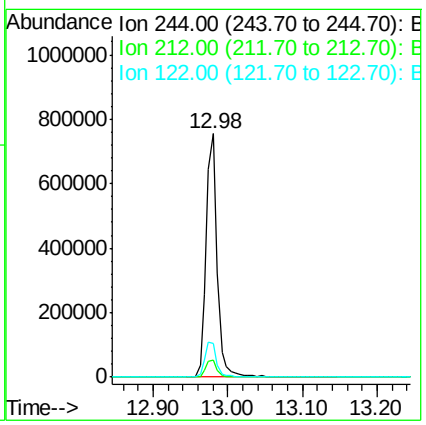


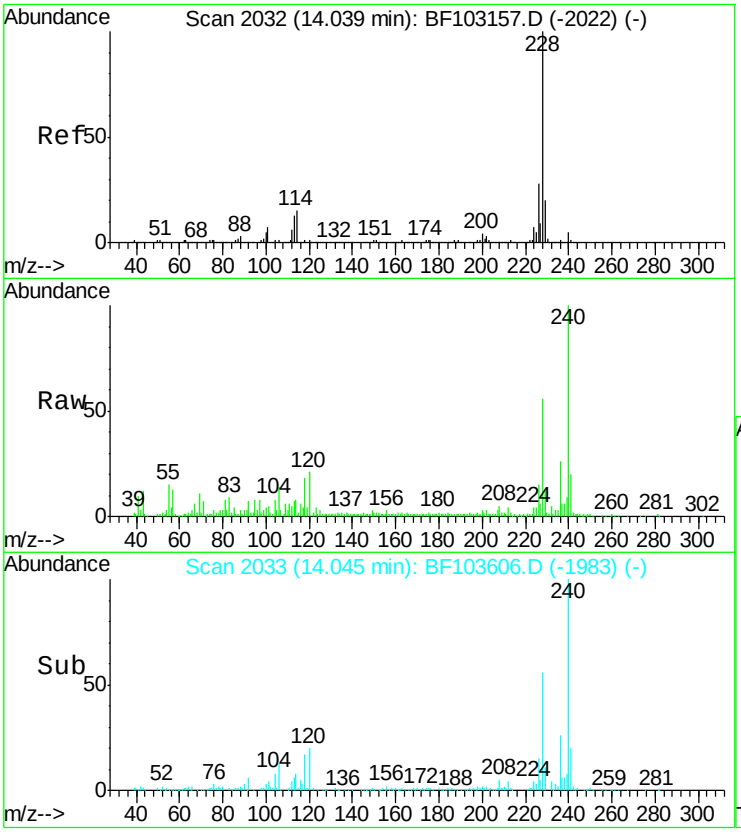




#78
Terphenyl-d14
Concen: 71.180 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:244 Resp: 780079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 13.8 | 11.0 | 16.4 |



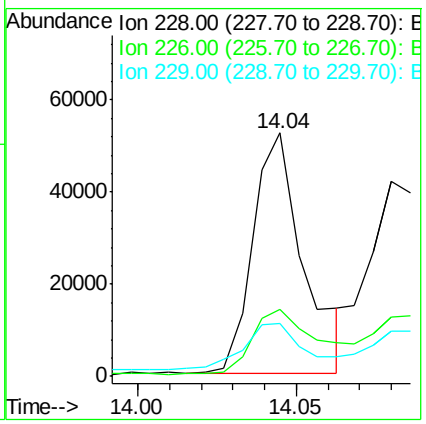


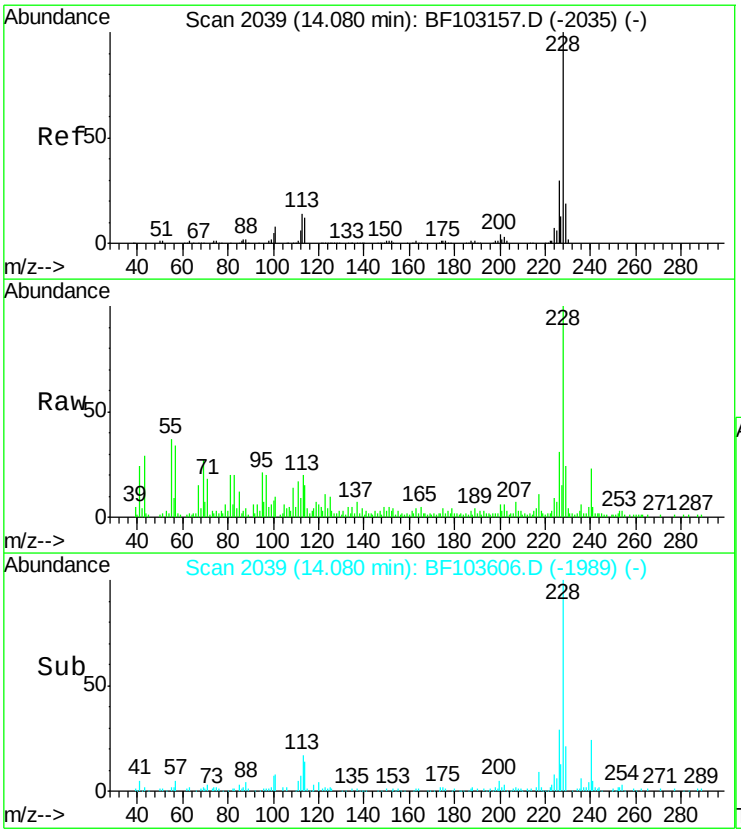

#80
Benzo(a)anthracene
Concen: 3.414 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:228 Resp: 58354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 22.6 | 33.8 |
| 229 | 21.5 | 15.8 | 23.6 |

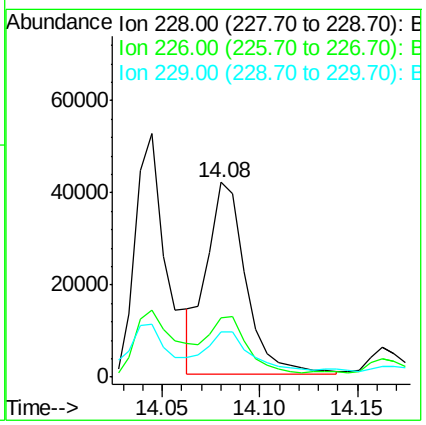


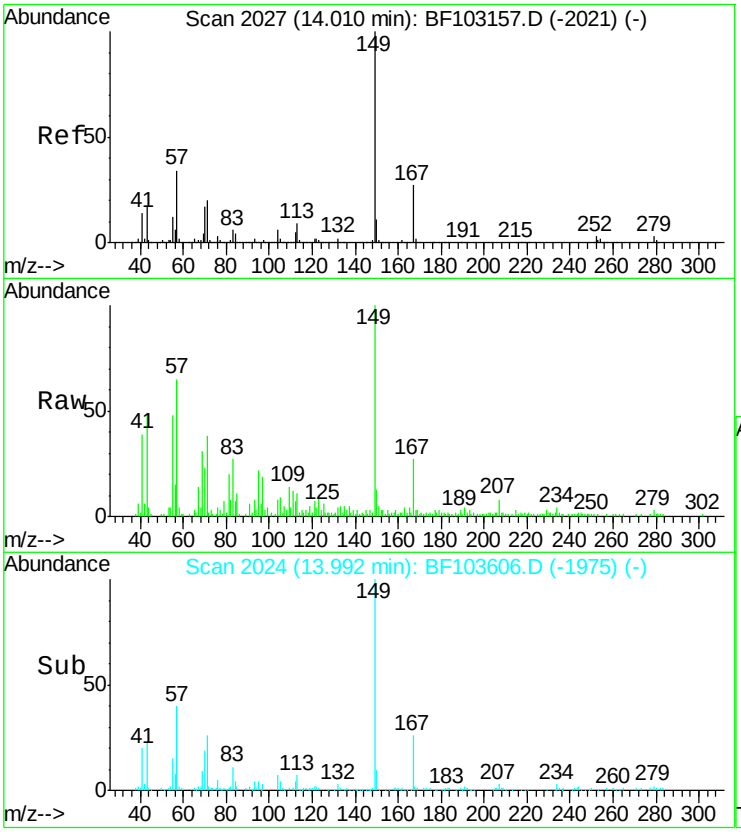




#82
Chrysene
Concen: 3.555 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:228 Resp: 59010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.0 | 37.6 |
| 229 | 23.5 | 16.2 | 24.4 |



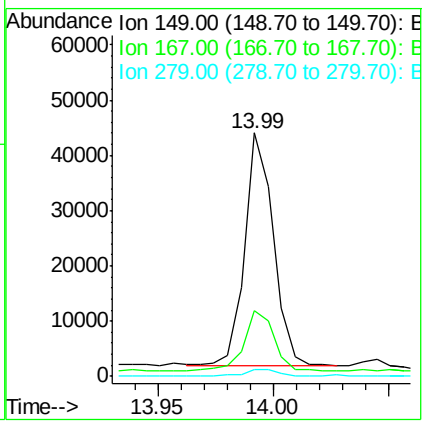


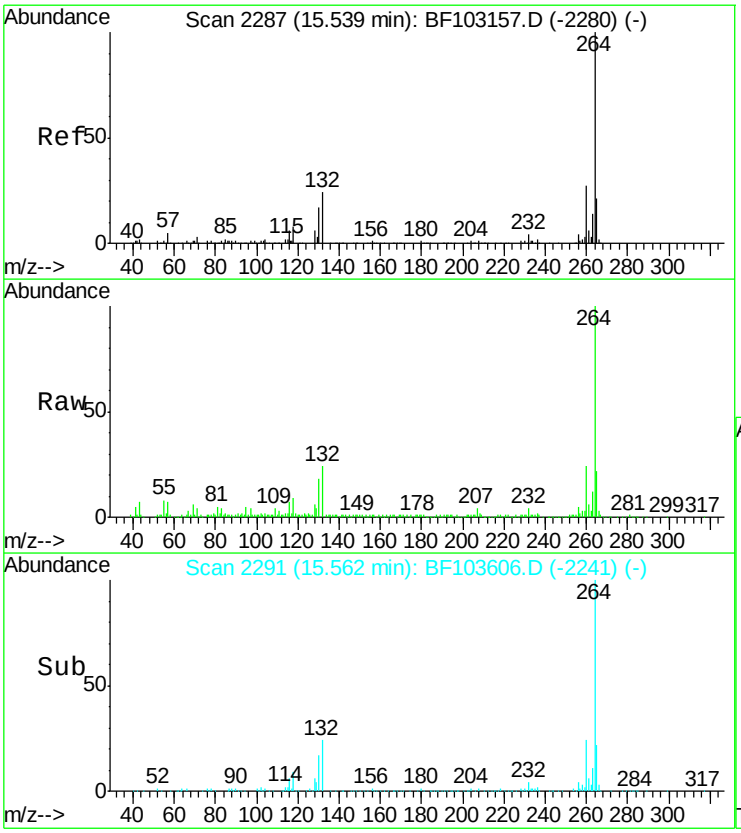

#83
Bis(2-ethylhexyl)phthalate
Concen: 2.519 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:149 Resp: 36896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.3 | 31.9 |
| 279 | 2.9 | 3.0 | 4.4# |

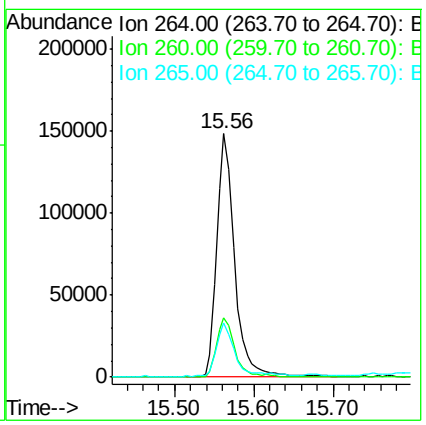


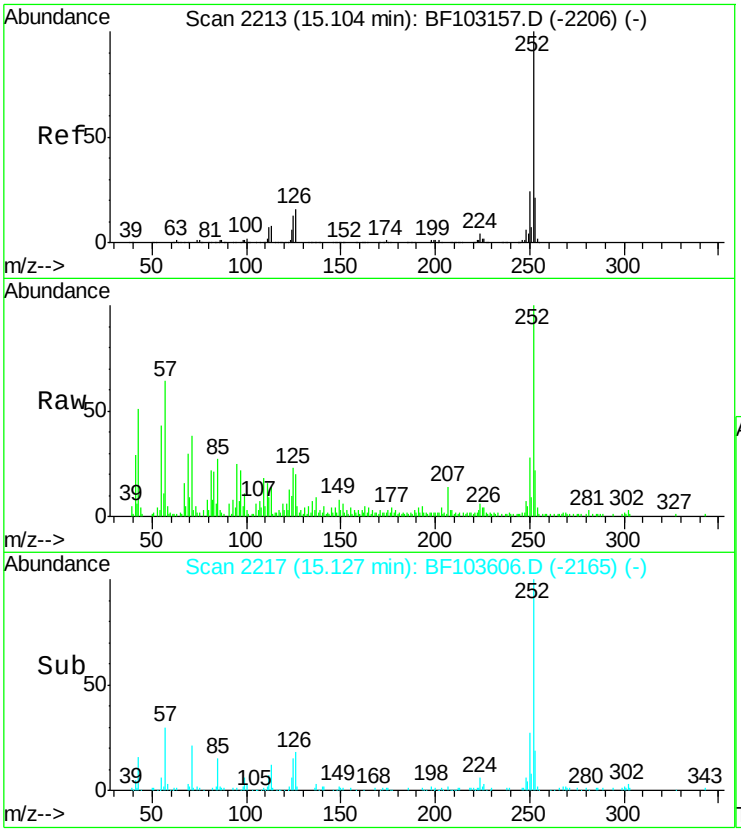




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:264 Resp: 233371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.2 | 28.8 |
| 265 | 22.5 | 17.5 | 26.3 |



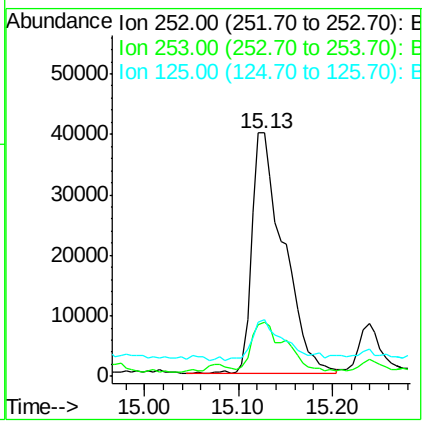


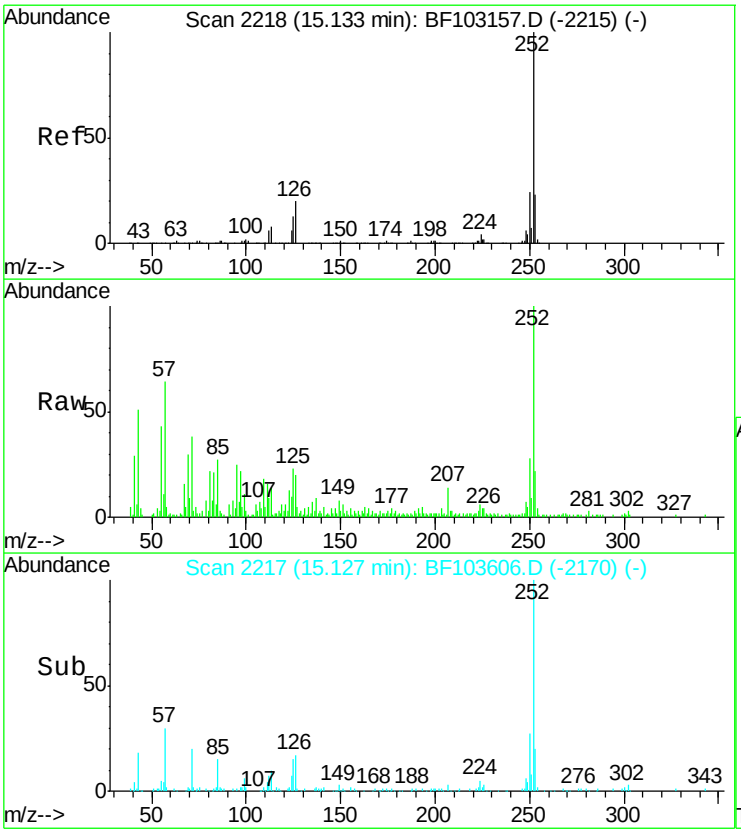

#87
Benzo(b)fluoranthene
Concen: 6.094 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:252 Resp: 93501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.0 | 25.6 |
| 125 | 23.1 | 9.0 | 13.6# |

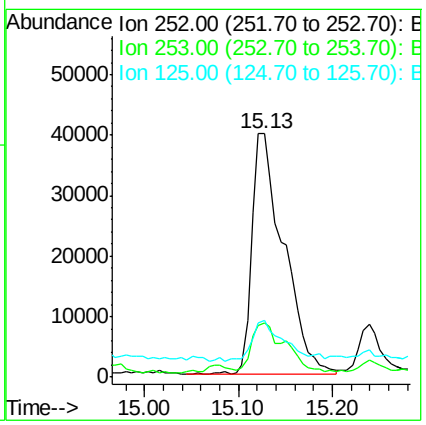


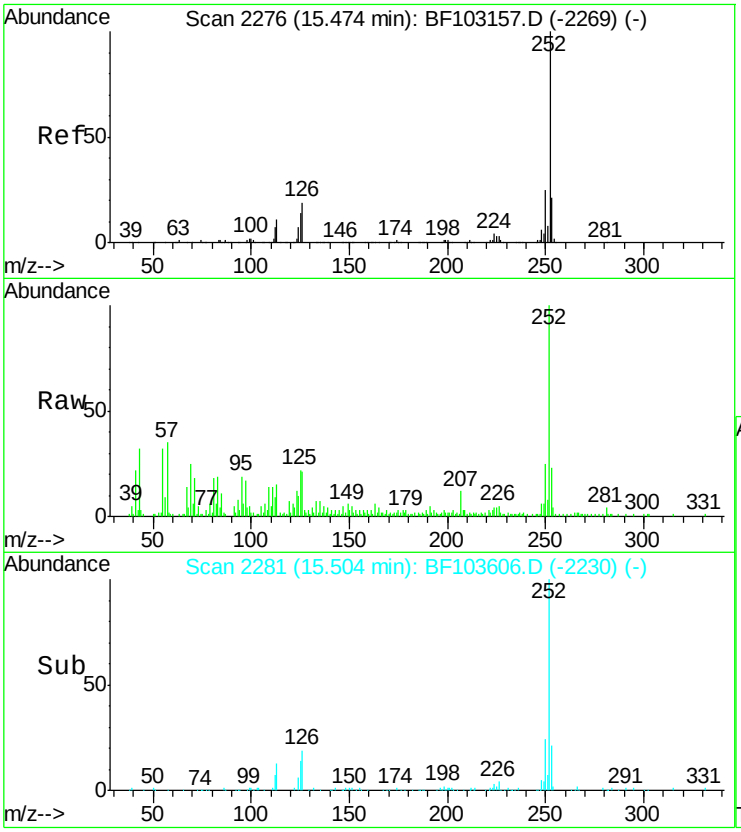




#88
Benzo(k)fluoranthene
Concen: 6.471 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:252 Resp: 93501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.9 | 26.9 |
| 125 | 23.1 | 10.2 | 15.2# |



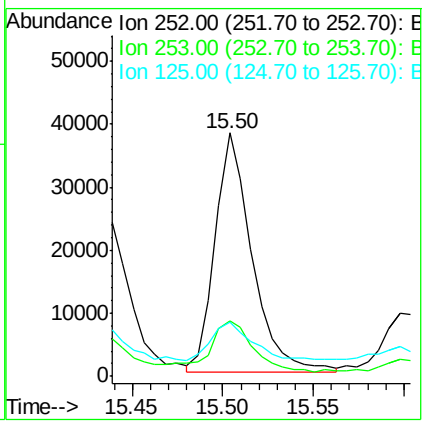


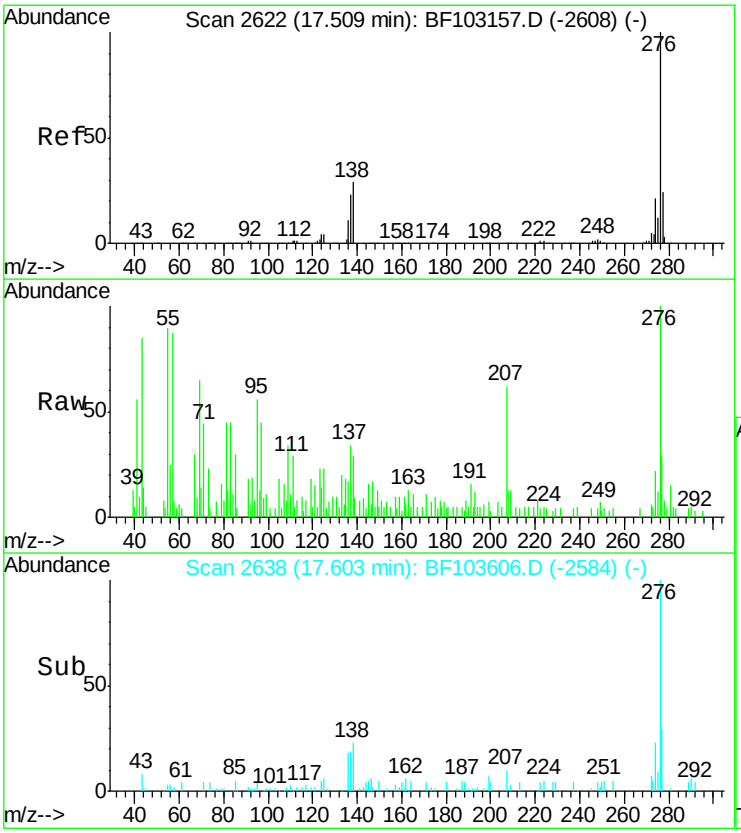

#89
Benzo(a)pyrene
Concen: 3.965 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

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

Tgt Ion:252 Resp: 54329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.1 | 25.7 |
| 125 | 22.3 | 9.8 | 14.6# |




#91
Benzo(g,h,i)perylene
Concen: 2.778 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.02 min
Lab File: BF103606.D
Acq: 13 Mar 2018 16:08

Tgt Ion:276 Resp: 28746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.6 | 17.9 | 26.9# |
| 138 | 29.2 | 21.8 | 32.8 |