Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103991.D
Acq On : 28 Mar 2018 00:43
Operator : JU/SJ
Sample : J2048-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 28 04:02:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 133312 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.27 | 136 | 374850 | 20.00 | ng | 0.01 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 228191 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 301049 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.17 | 240 | 232172 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.71 | 264 | 207102 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 827038 | 94.36 | ng | 0.01 |
| 7) Phenol-d6 | 6.61 | 99 | 1032031 | 96.24 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 539022 | 100.28 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 199242 | 101.55 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.33 | 172 | 1032497 | 72.18 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.10 | 244 | 685064 | 68.49 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.53 | 77 | 103457 | 14.686 | ng | # 1 |
| 10) Phenol | 6.62 | 94 | 41013 | 3.599 | ng | # 71 |
| 18) Hexachloroethane | 7.50 | 117 | 328526 | 88.879 | ng | # 1 |
| 22) Acetophenone | 7.43 | 105 | 49984 | 5.188 | ng | # 54 |
| 24) Nitrobenzene | 7.57 | 77 | 27589 | 4.372 | ng | # 14 |
| 25) Isophorone | 7.54 | 82 | 522705 | 42.007 | ng | # 65 |
| 26) 2-Nitrophenol | 7.86 | 139 | 3962 | 10.771 | ng | # 1 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 15772 | 2.093 | ng | # 87 |
| 31) Naphthalene | 8.30 | 128 | 8139979 | 429.880 | ng | 97 |
| 32) Benzoic acid | 8.02 | 122 | 2234 | 10.377 | ng | # 1 |
| 33) 4-Chloroaniline | 8.30 | 127 | 1158411 | 145.821 | ng | # 34 |
| 37) 2-Methylnaphthalene | 8.99 | 142 | 3463473 | 288.429 | ng | # 94 |
| 45) 1,1'-Biphenyl | 9.43 | 154 | 709123 | 37.268 | ng | 99 |
| 47) 2-Nitroaniline | 9.53 | 65 | 7115 | 8.358 | ng | # 30 |
| 48) Acenaphthylene | 9.88 | 152 | 226269 | 9.655 | ng | # 88 |
| 49) Dimethylphthalate | 9.72 | 163 | 101734 | 5.843 | ng | # 93 |
| 50) 2,6-Dinitrotoluene | 9.86 | 165 | 4144 | 5.112 | ng | # 53 |
| 51) Acenaphthene | 10.05 | 154 | 121367 | 8.722 | ng | # 87 |
| 52) 3-Nitroaniline | 9.96 | 138 | 1240 | 4.097 | ng | # 39 |
| 53) 2,4-Dinitrophenol | 10.06 | 184 | 325 | 7.034 | ng | # 1 |
| 54) Dibenzofuran | 10.22 | 168 | 109171 | 5.493 | ng | # 94 |
| 55) 4-Nitrophenol | 10.12 | 139 | 14951 | 9.369 | ng | # 72 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 14336 | 9.139 | ng | # 86 |
| 57) Fluorene | 10.57 | 166 | 352271 | 22.842 | ng | # 95 |
| 61) 4-Nitroaniline | 10.56 | 138 | 3713 | 4.631 | ng | # 37 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 1900 | 9.991 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 38943 | 3.800 | ng | # 56 |
| 70) Phenanthrene | 11.54 | 178 | 1151702 | 69.935 | ng | 100 |
| 71) Anthracene | 11.59 | 178 | 423739 | 25.334 | ng | 99 |
| 74) Fluoranthene | 12.74 | 202 | 753549 | 44.416 | ng | 98 |
| 77) Pyrene | 12.97 | 202 | 1178151 | 69.098 | ng | 99 |
| 80) Benzo(a)anthracene | 14.16 | 228 | 591454 | 40.245 | ng | 97 |
| 82) Chrysene | 14.20 | 228 | 533867 | 38.108 | ng | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.29 | 276 | 111594 | 9.121 | ng | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103991.D
Acq On : 28 Mar 2018 00:43
Operator : JU/SJ
Sample : J2048-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 28 04:02:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 87) Benzo(b)fluoranthene | 15.25 | 252 | 446218 | 34.104 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 446924 | 35.534 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.64 | 252 | 332945 | 28.055 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.48 | 278 | 47797 | 4.651 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.77 | 276 | 110906 | 11.094 | ng | | 95 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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**Instrument :**
BNA_F
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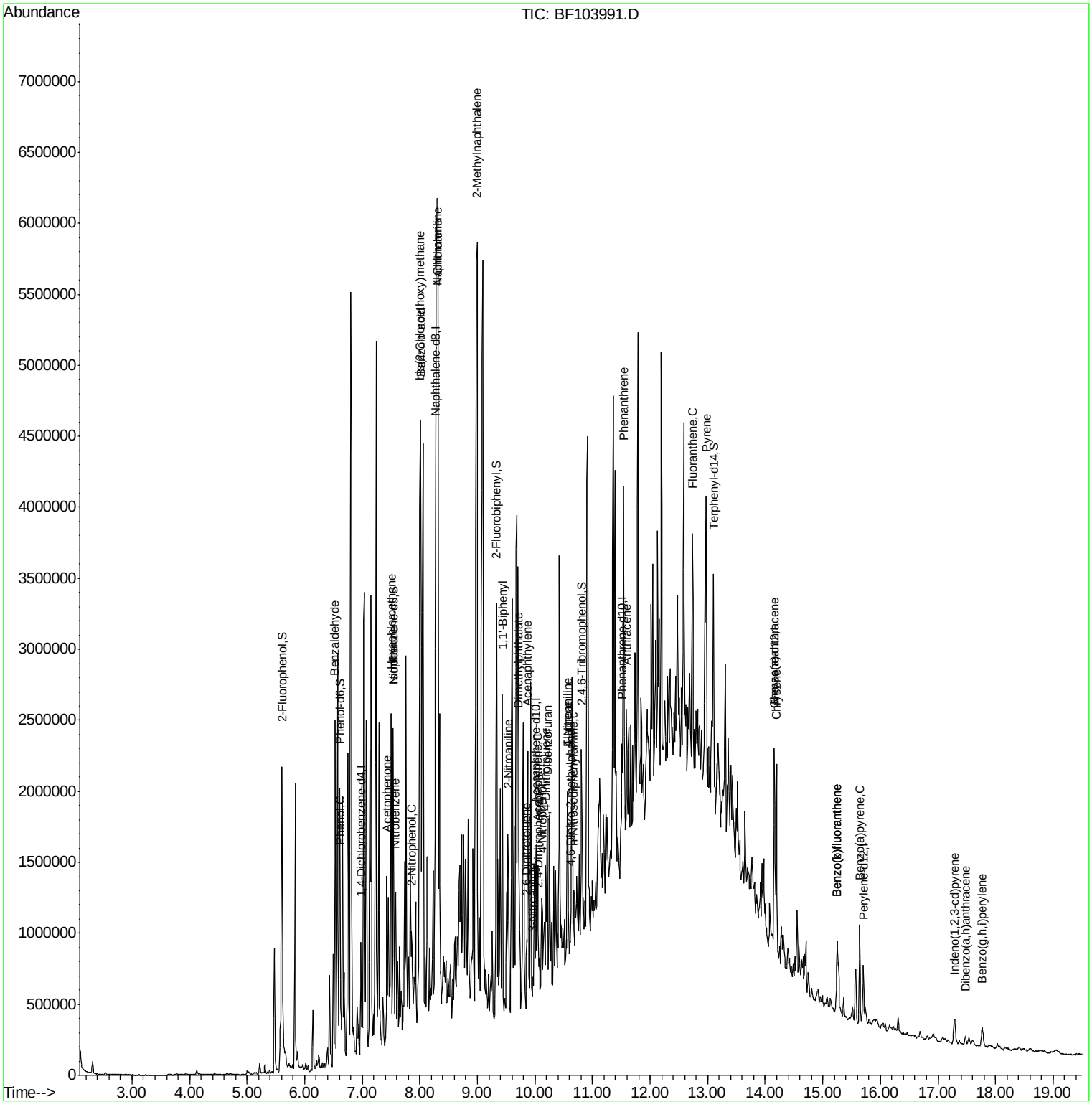
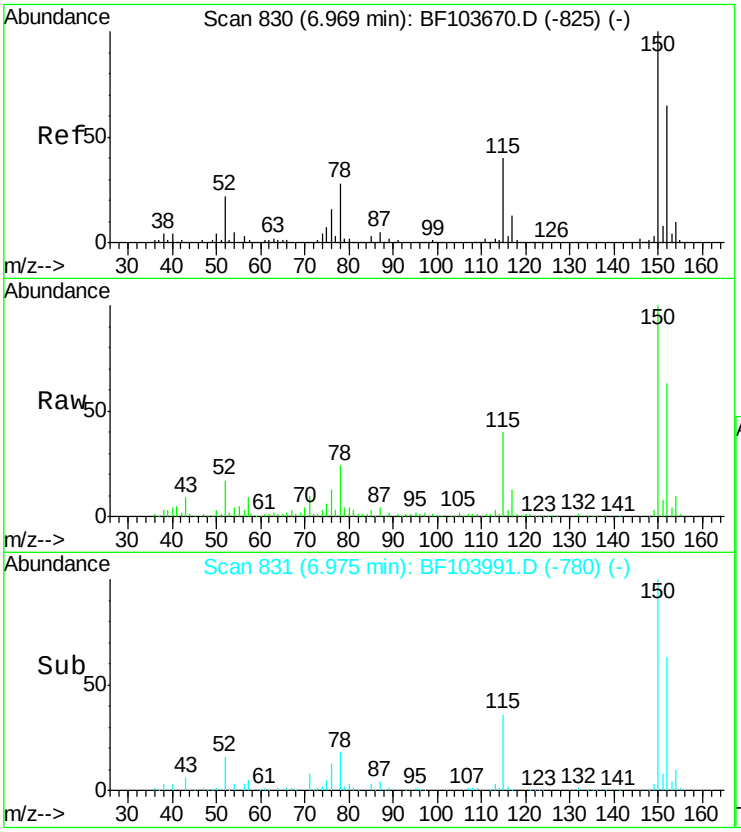
Quant Time: Mar 28 04:02:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration



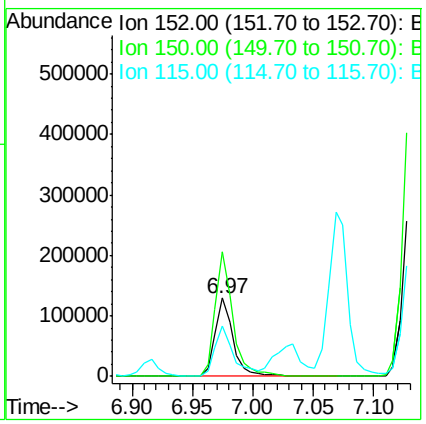


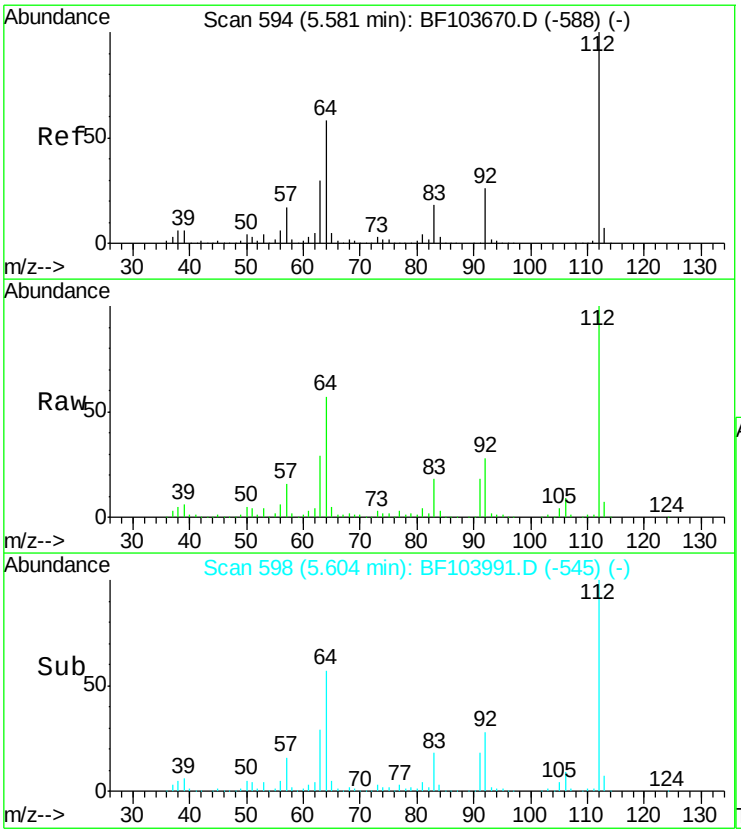

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:152 Resp: 133312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.1 | 124.6 | 186.8 |
| 115 | 64.1 | 50.1 | 75.1 |

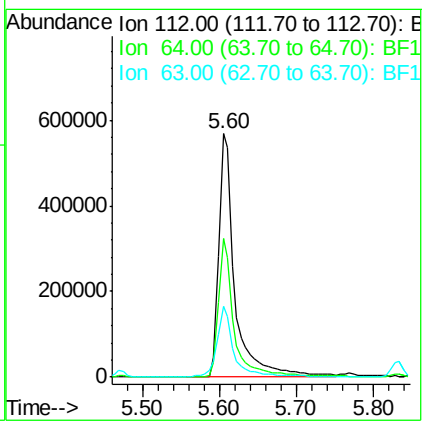


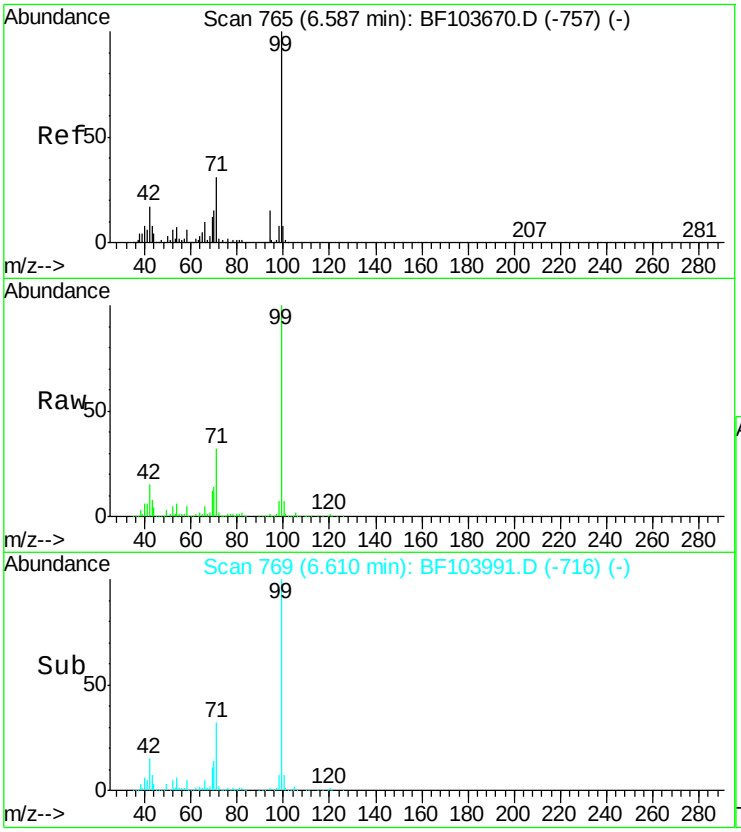




#5
2-Fluorophenol
Concen: 94.359 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:112 Resp: 827038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.7 | 47.9 | 71.9 |
| 63 | 29.1 | 23.7 | 35.5 |



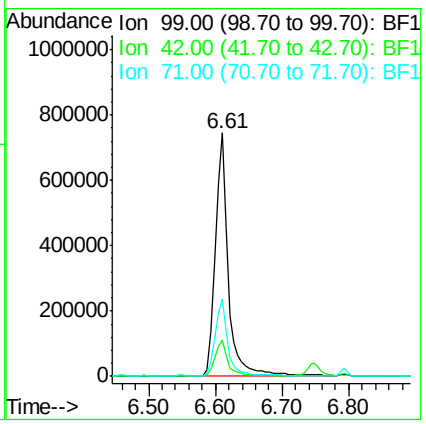


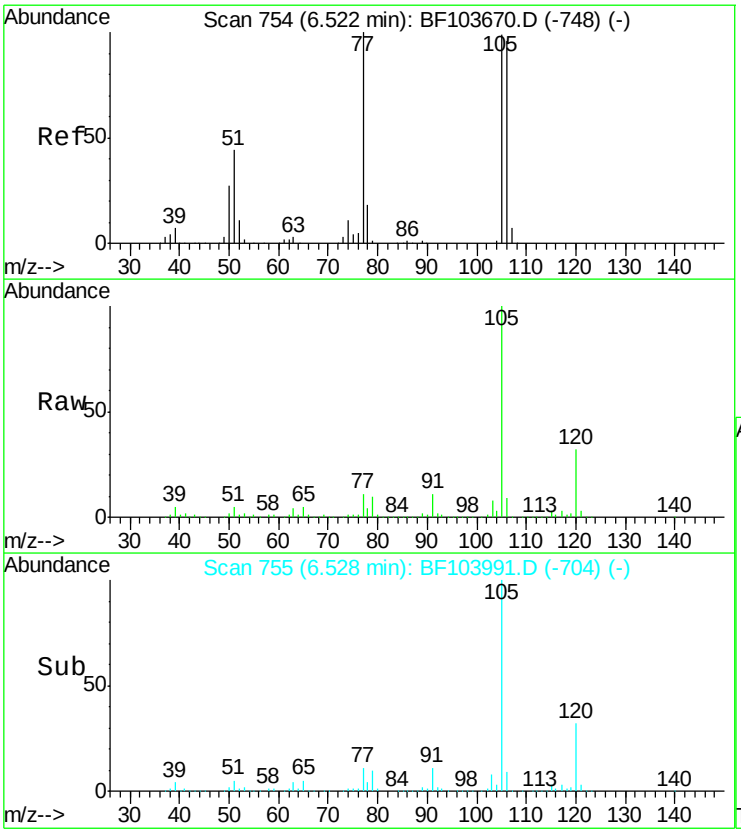

#7
Phenol-d6
Concen: 96.244 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion: 99 Resp: 1032031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.1 | 14.5 | 21.7 |
| 71 | 31.8 | 25.4 | 38.0 |

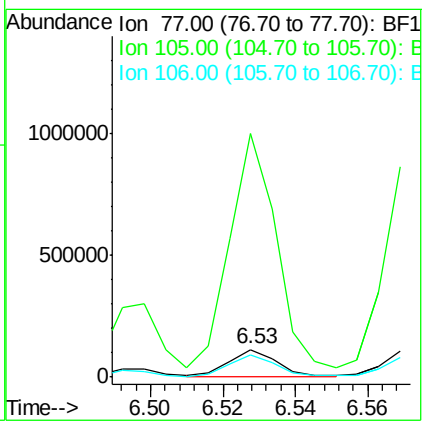


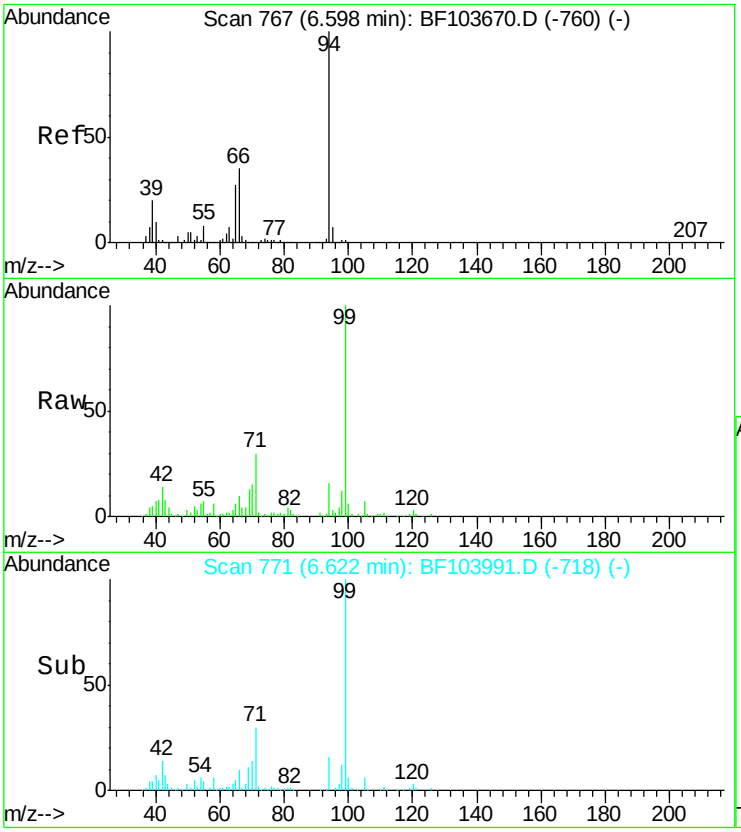




#9
Benzaldehyde
Concen: 14.686 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion: 77 Resp: 103457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 872.9 | 81.1 | 121.1# |
| 106 | 79.8 | 74.5 | 114.5 |



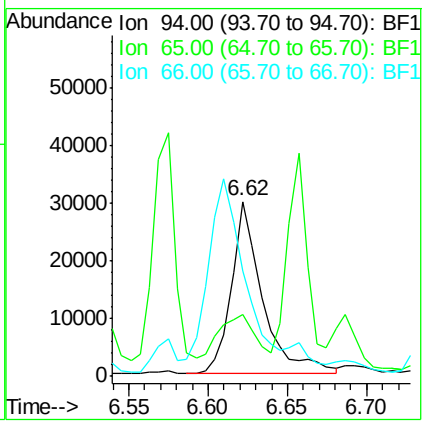


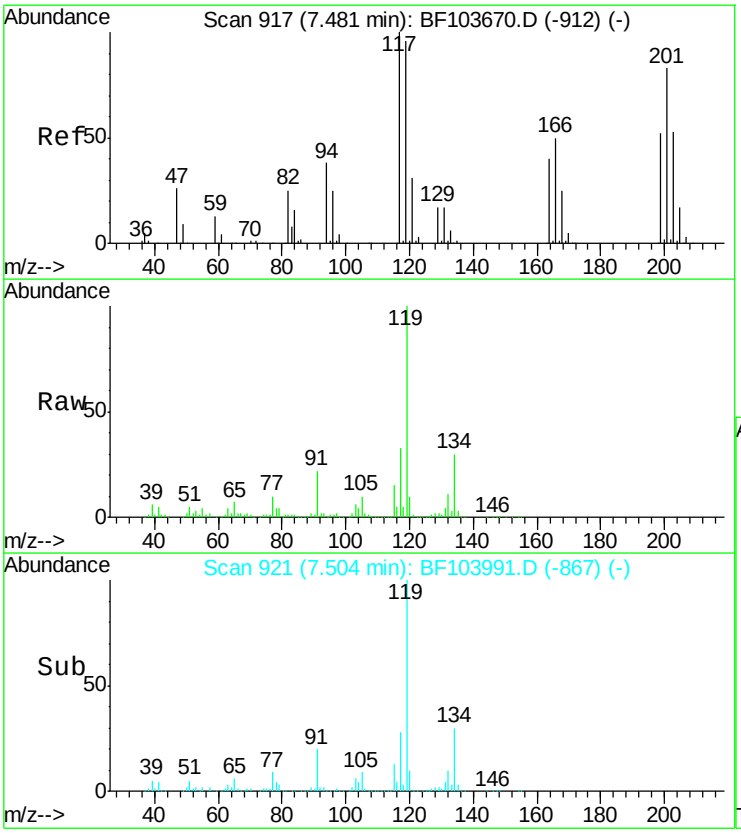

#10
Phenol
Concen: 3.599 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion: 94 Resp: 41013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 35.4 | 7.9 | 47.9 |
| 66 | 60.5 | 16.2 | 56.2# |

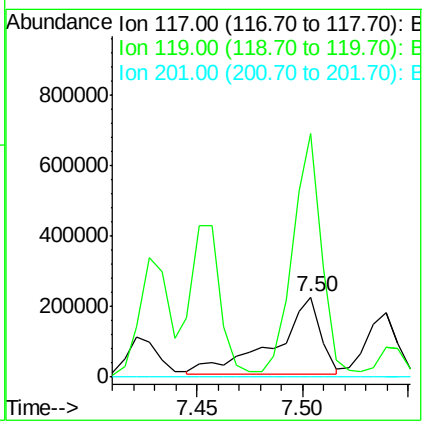


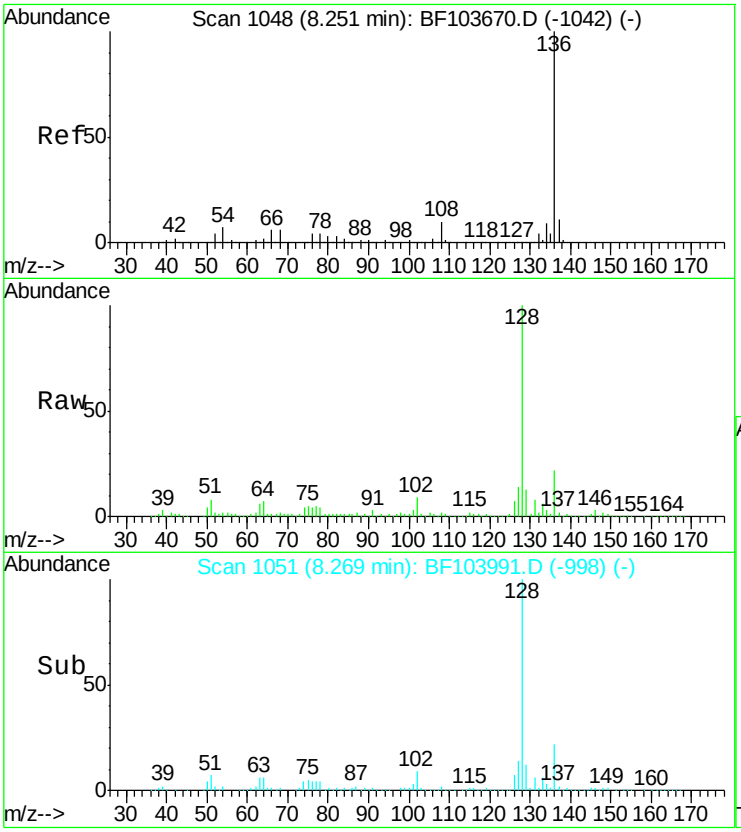




#18
Hexachloroethane
Concen: 88.879 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:117 Resp: 328526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 304.9 | 75.8 | 113.8# |
| 201 | 0.0 | 75.7 | 113.5# |



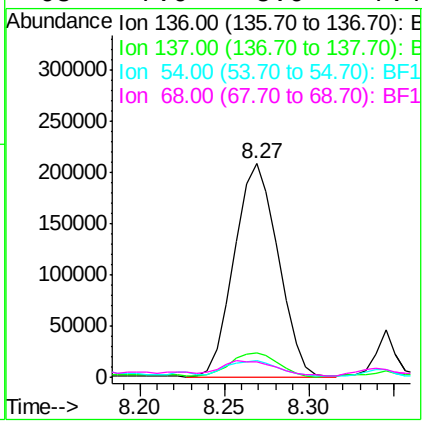


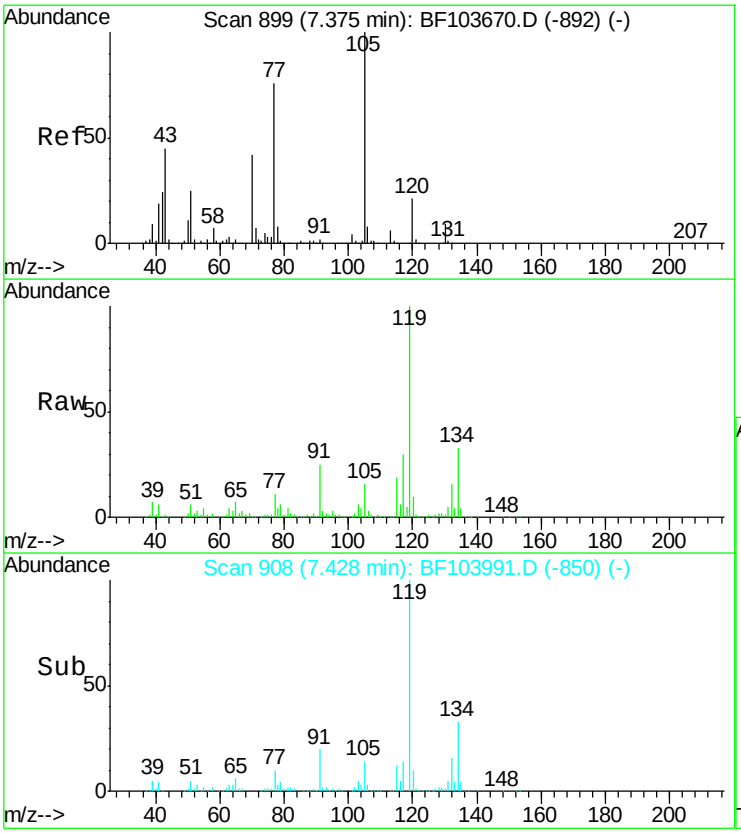

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:136 Resp: 374850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.9 | 13.3 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 7.0 | 5.0 | 7.4 |

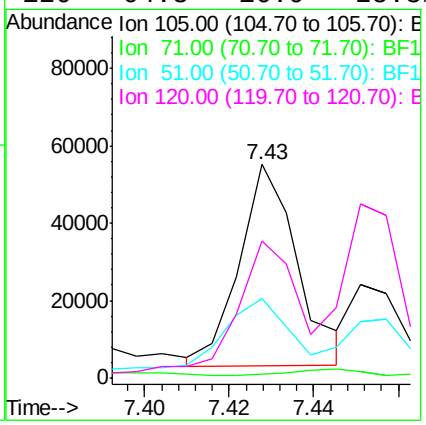


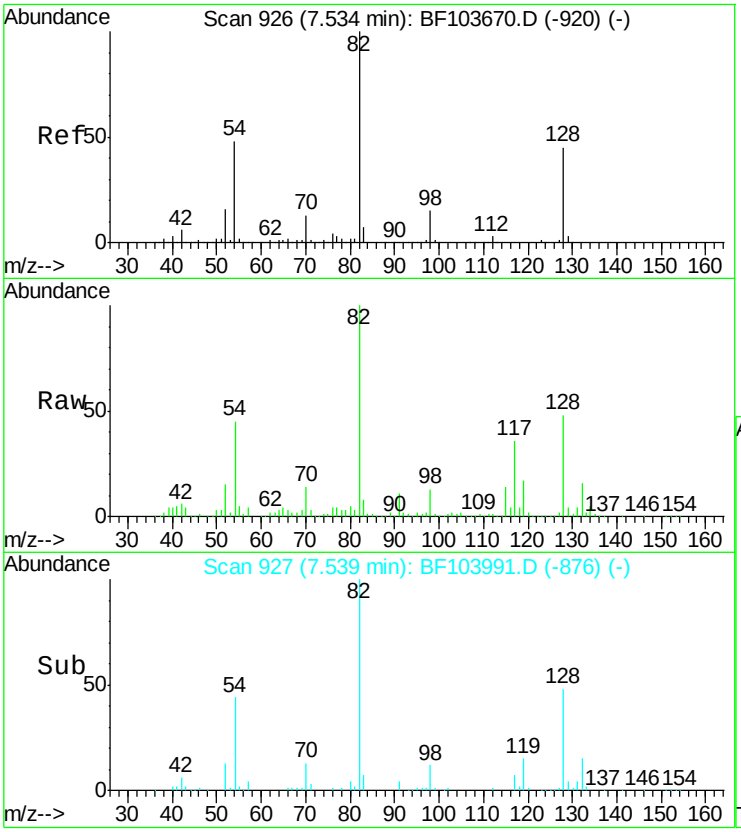




#22
Acetophenone
Concen: 5.188 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.04 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:105 Resp: 49984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.5 | 4.4 | 6.6# |
| 51 | 37.2 | 22.3 | 33.5# |
| 120 | 64.3 | 16.9 | 25.3# |



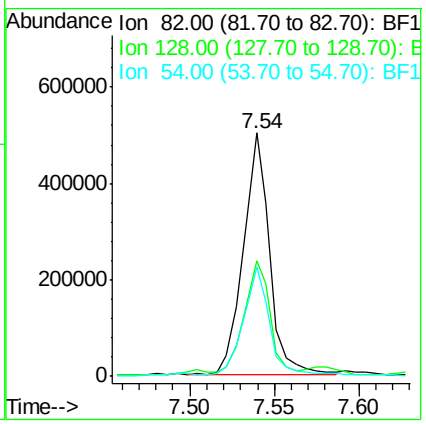


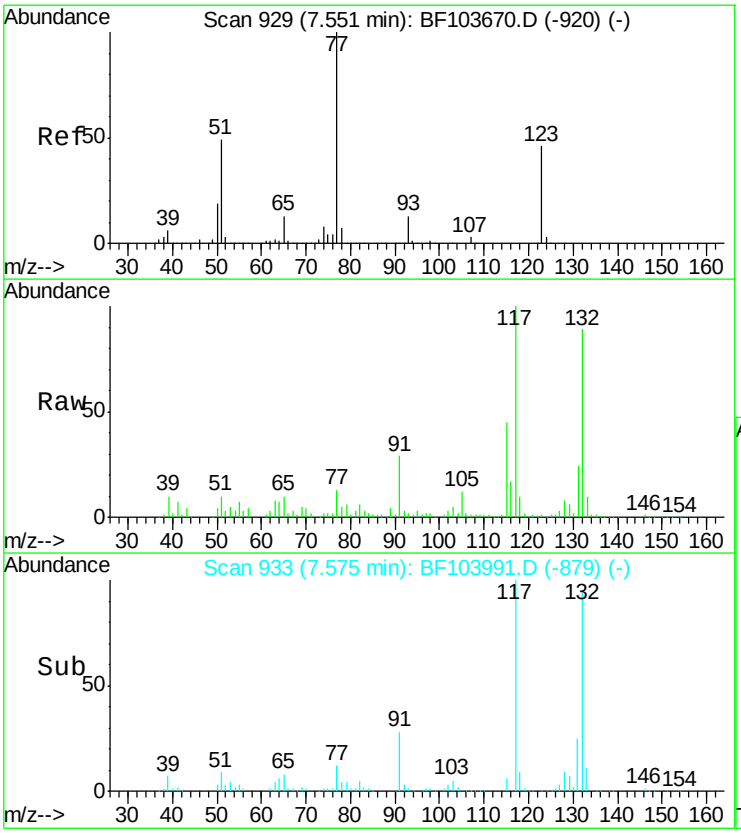

#23
Nitrobenzene-d5
Concen: 100.278 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion: 82 Resp: 539022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 36.1 | 54.1 |
| 54 | 44.8 | 41.4 | 62.2 |

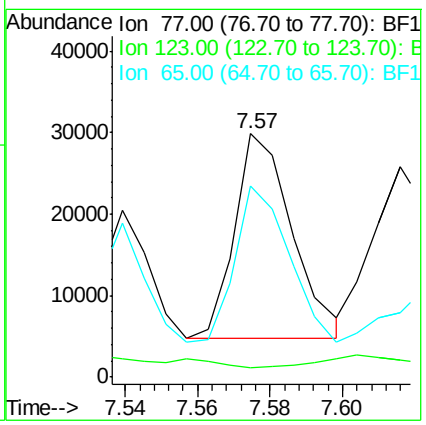


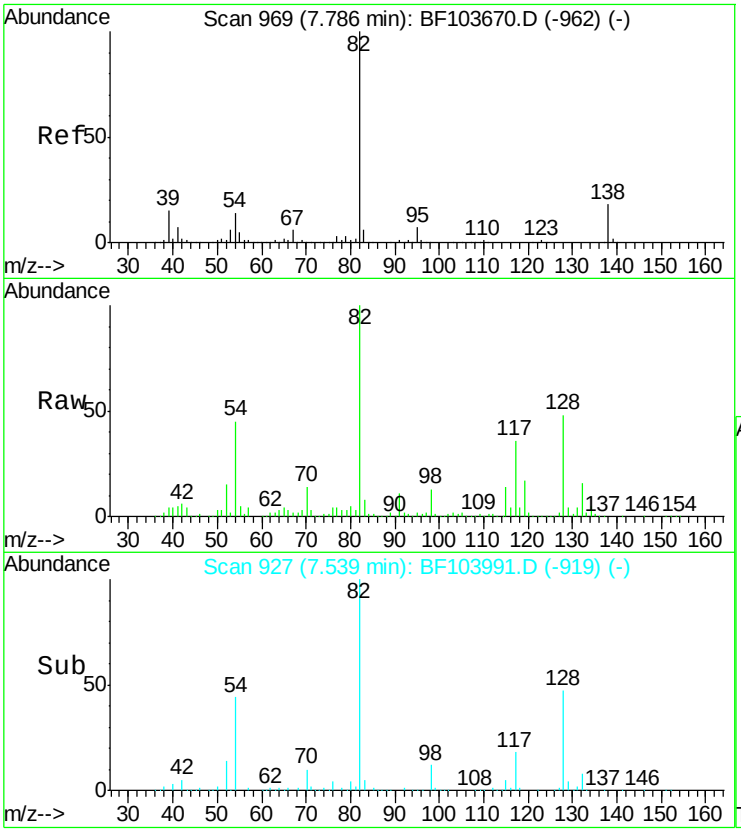




#24
Nitrobenzene
Concen: 4.372 ng
RT: 7.57 min Scan# 933
Delta R.T. 0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion: 77 Resp: 27589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 4.1 | 37.9 | 56.9# |
| 65 | 78.4 | 11.0 | 16.4# |



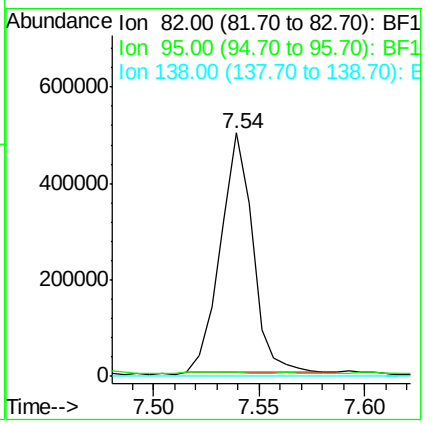


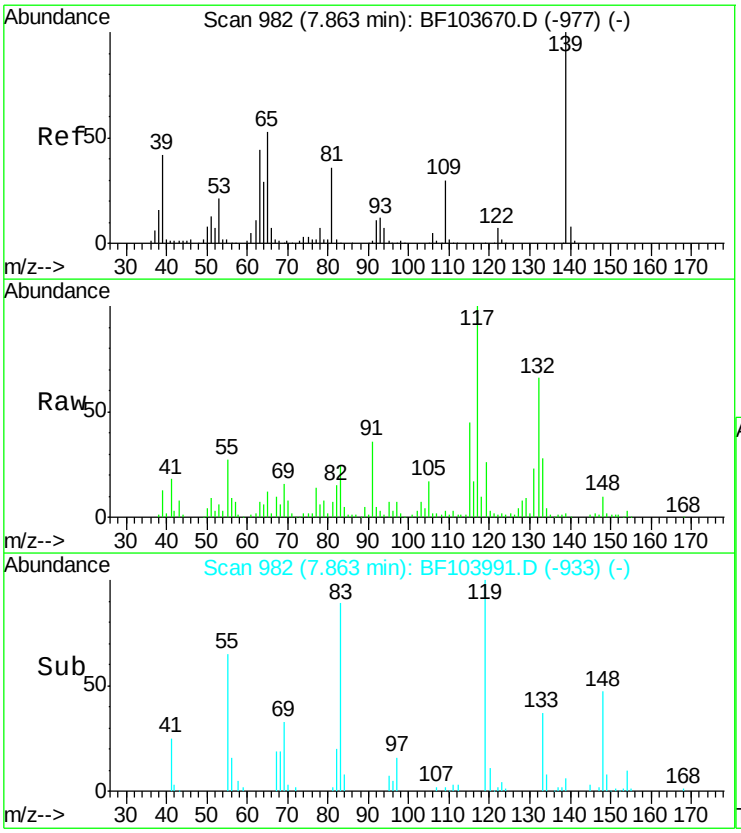

#25
Isophorone
Concen: 42.007 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.25 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion: 82 Resp: 522705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 1.6 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

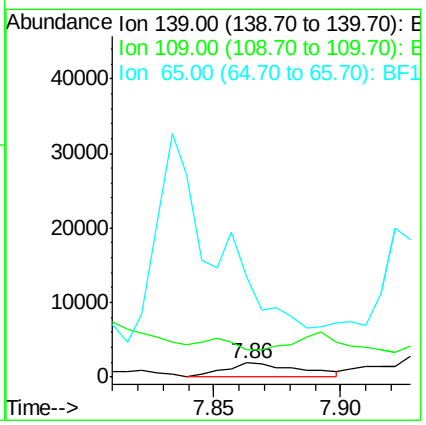


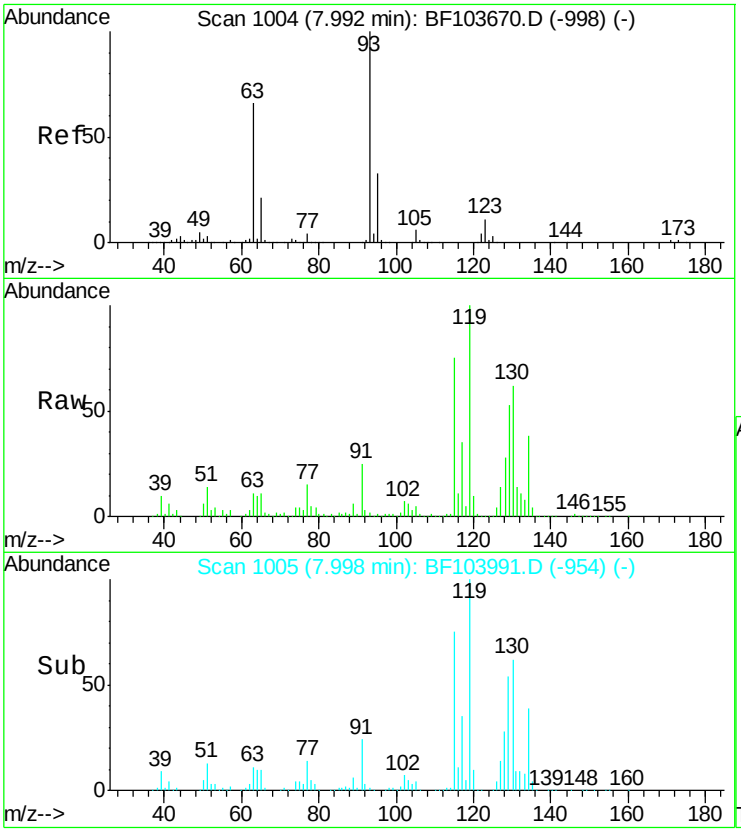




#26
2-Nitrophenol
Concen: 10.771 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:139 Resp: 3962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 193.2 | 22.7 | 34.1# |
| 65 | 692.1 | 40.5 | 60.7# |



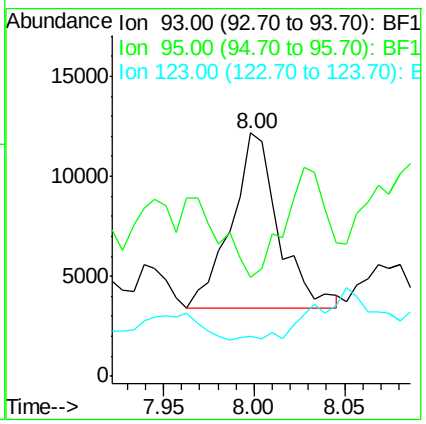


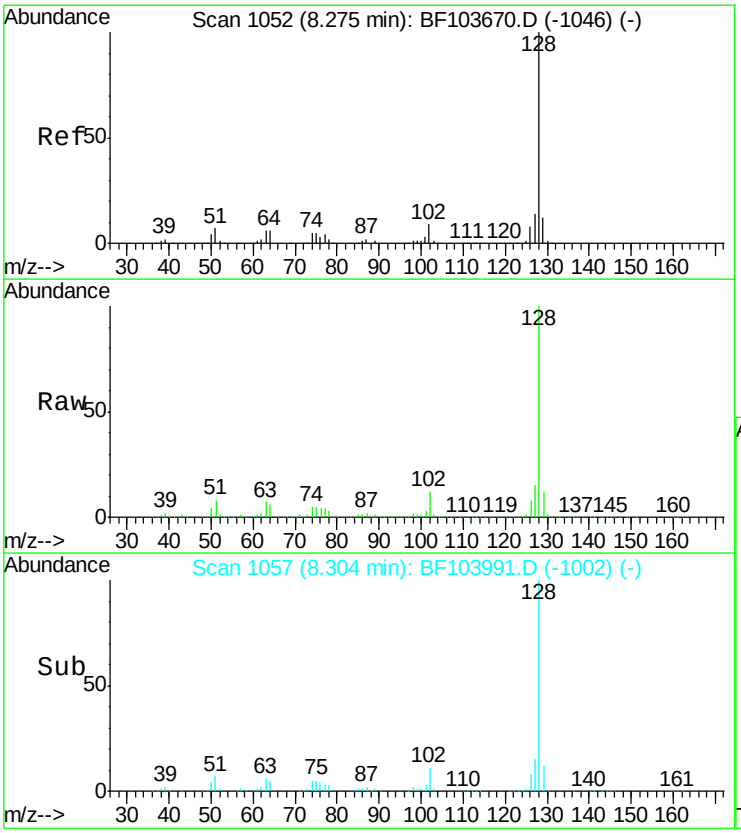

#28
bis(2-Chloroethoxy)methane
Concen: 2.093 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion: 93 Resp: 15772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 40.6 | 26.3 | 39.5# |
| 123 | 16.6 | 9.8 | 14.6# |

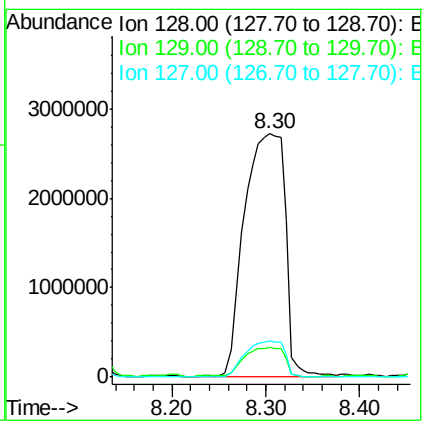


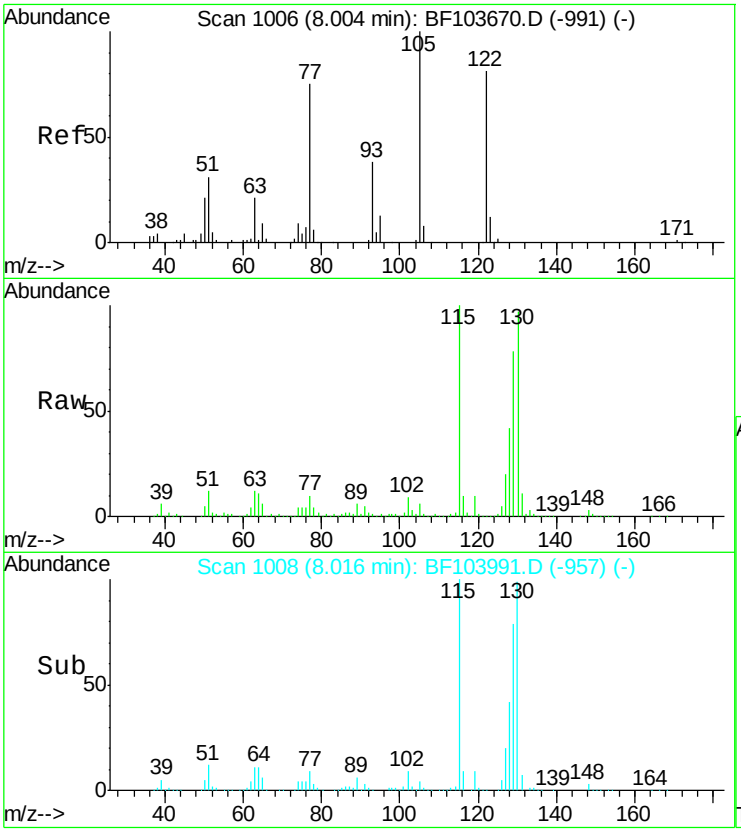




#31
Naphthalene
Concen: 429.880 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:128 Resp: 8139979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.1 | 8.8 | 13.2 |
| 127 | 14.7 | 10.9 | 16.3 |



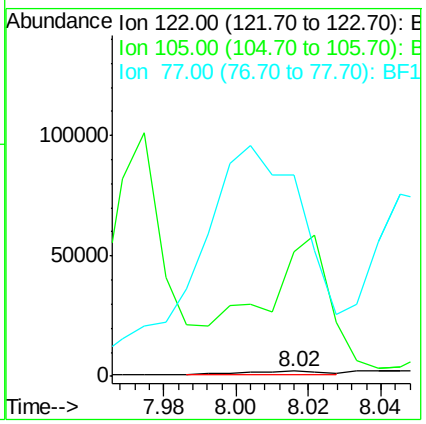


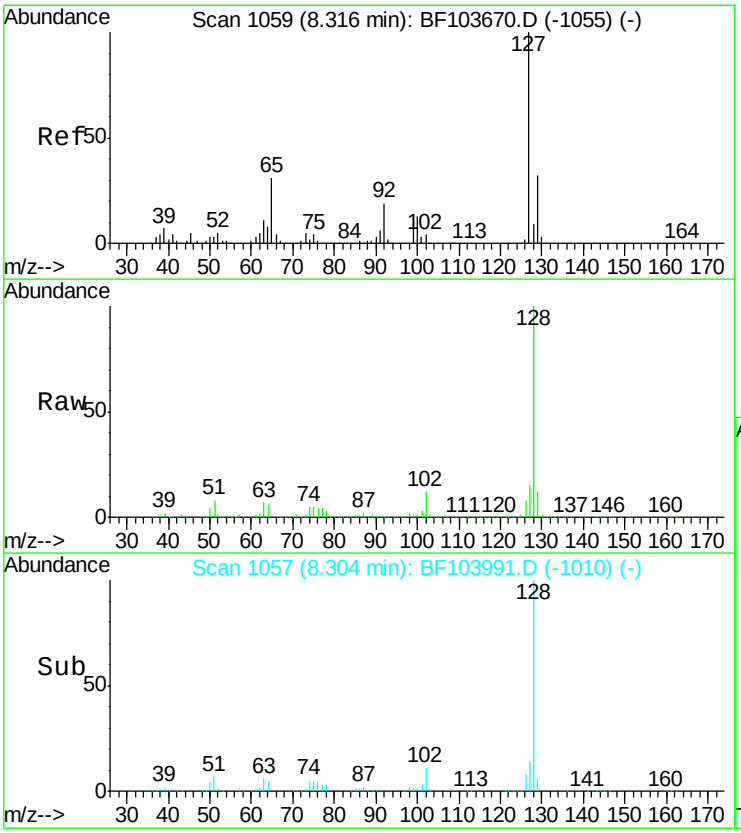

#32
Benzoic acid
Concen:  10.377 ng
RT: 8.02 min  Scan# 1008
Delta R.T.  -0.00 min
Lab File:  BF103991.D
Acq: 28 Mar 2018  00:43

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

Tgt Ion:122 Resp:  2234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 2464.7 | 101.1 | 141.1# |
| 77 | 4009.6 | 70.7 | 110.7# |

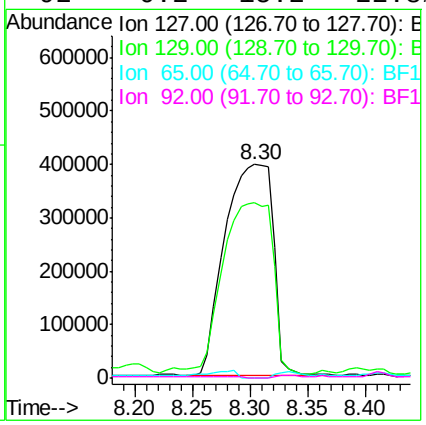


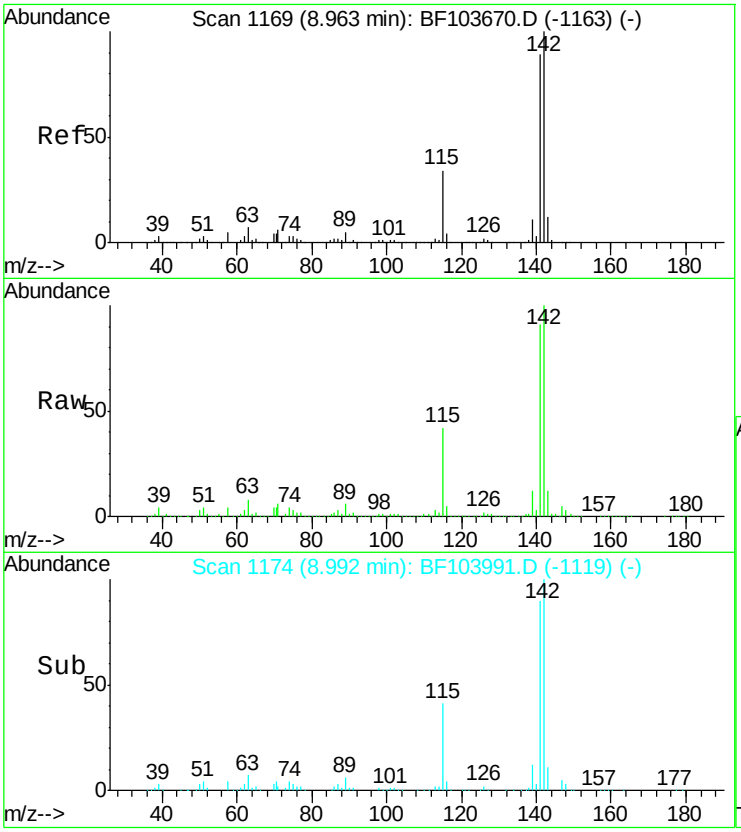




#33
4-Chloroaniline
Concen:  145.821 ng
RT: 8.30 min  Scan# 1057
Delta R.T.  -0.02 min
Lab File:  BF103991.D
Acq: 28 Mar 2018  00:43

Tgt Ion:127 Resp: 1158411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 82.1 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.2 | 15.2 | 22.8# |



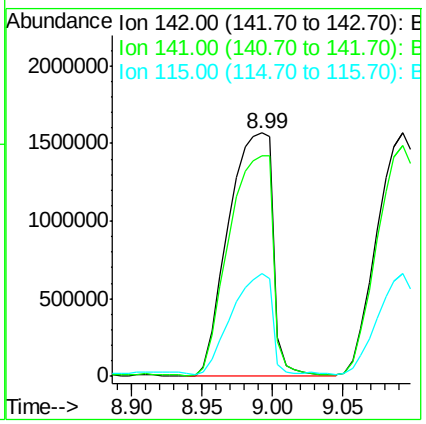


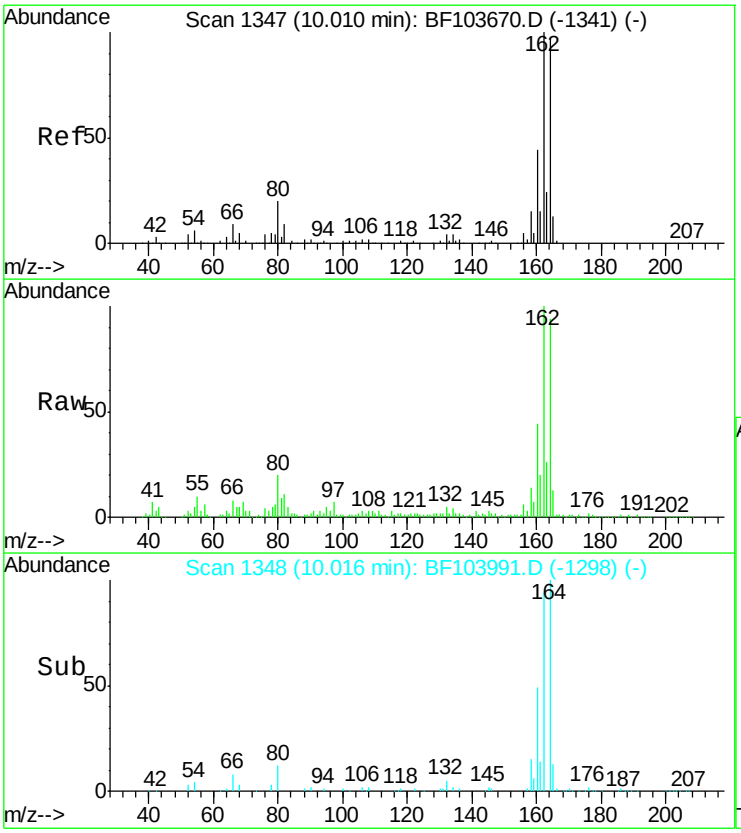

#37
2-Methylnaphthalene
Concen: 288.429 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:142 Resp: 3463473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 70.8 | 106.2 |
| 115 | 42.1 | 26.1 | 39.1# |

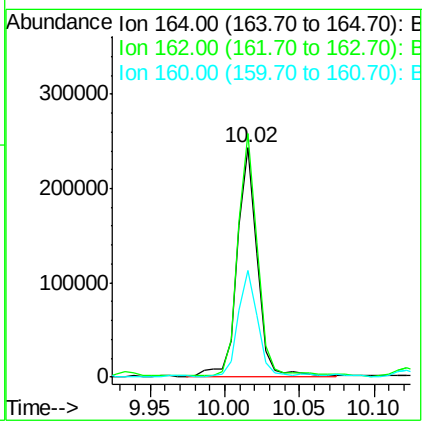


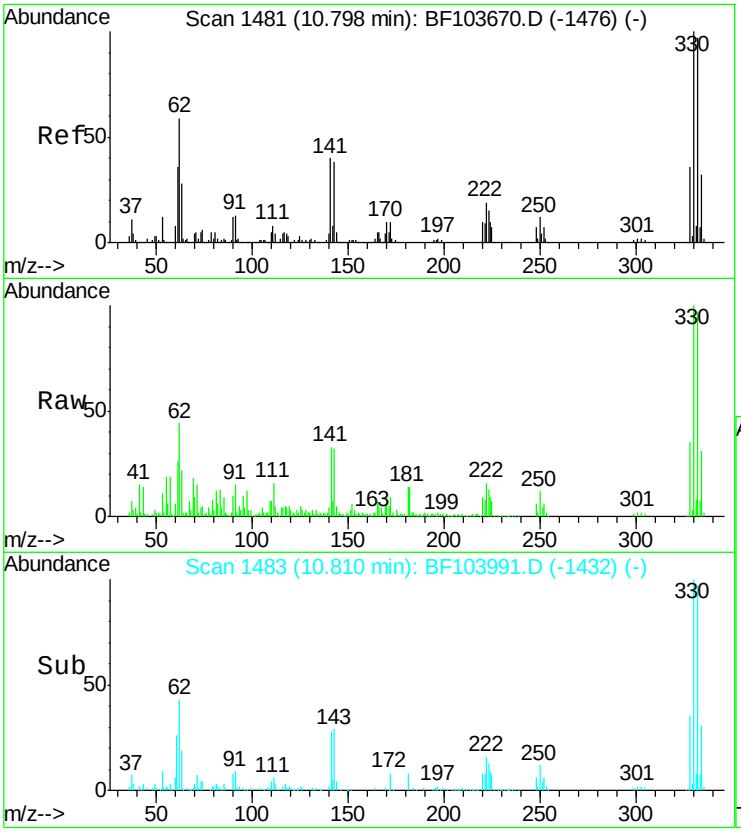




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:164 Resp: 228191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.3 | 86.1 | 129.1 |
| 160 | 46.8 | 38.3 | 57.5 |



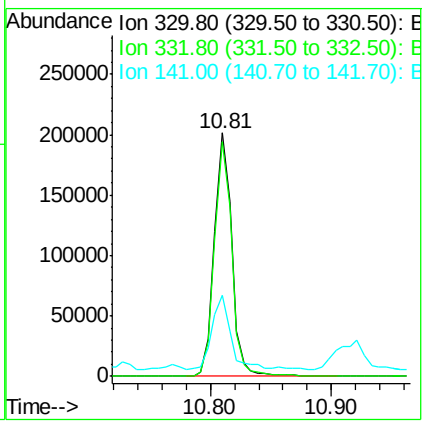


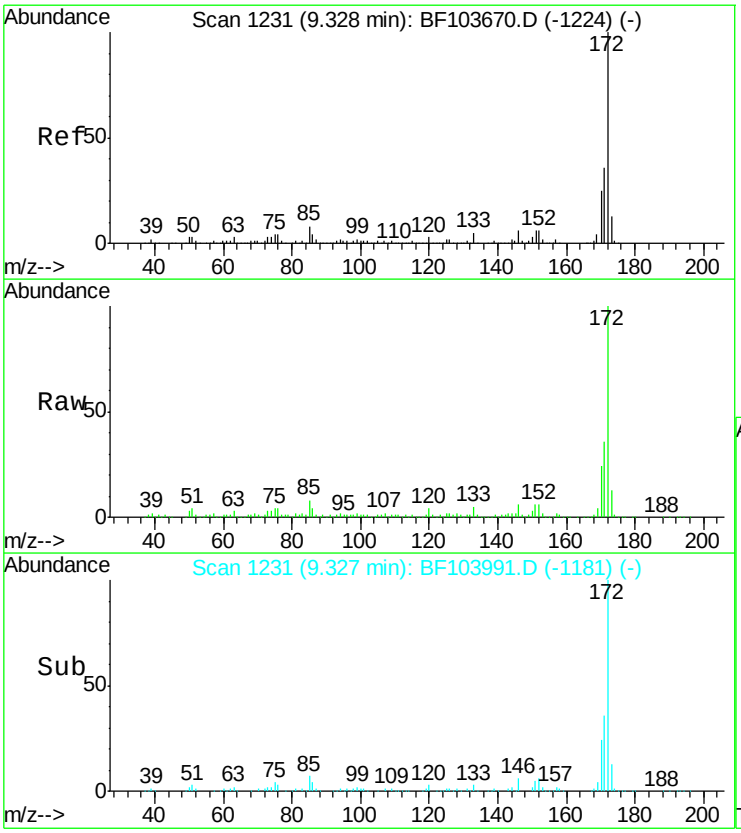

#41
2,4,6-Tribromophenol
Concen: 101.550 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:330 Resp: 199242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.0 | 115.6 |
| 141 | 31.3 | 29.9 | 44.9 |

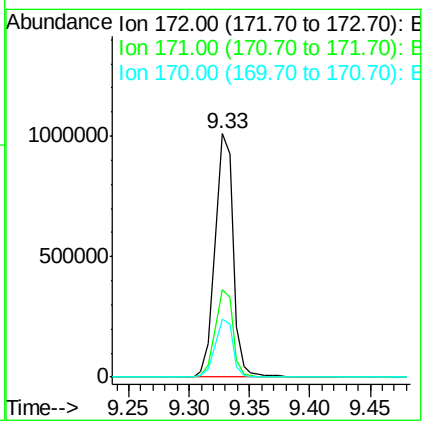


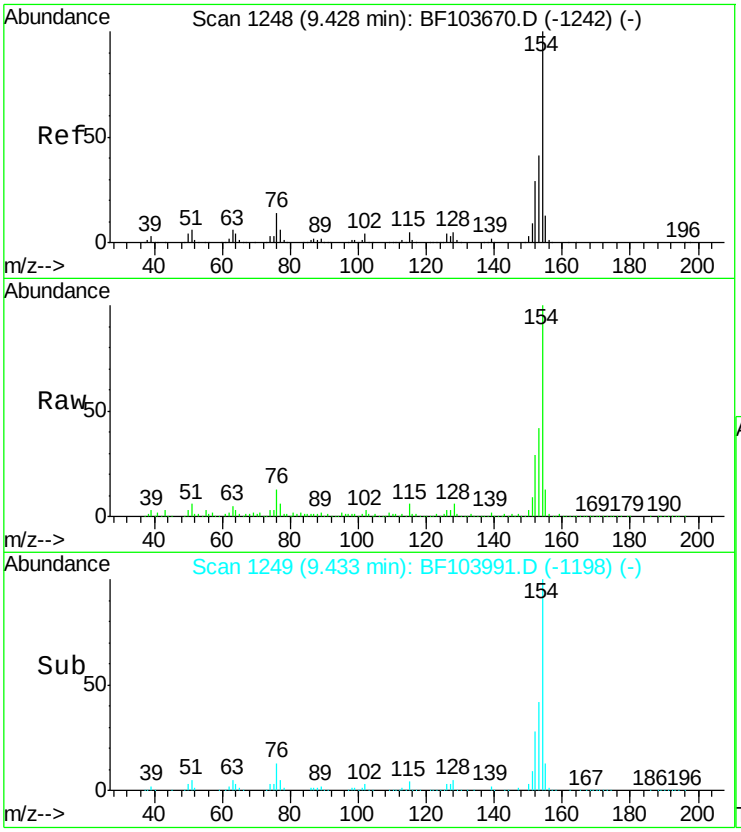




#44
2-Fluorobiphenyl
Concen: 72.176 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:172 Resp: 1032497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.7 | 44.5 |
| 170 | 24.0 | 19.6 | 29.4 |



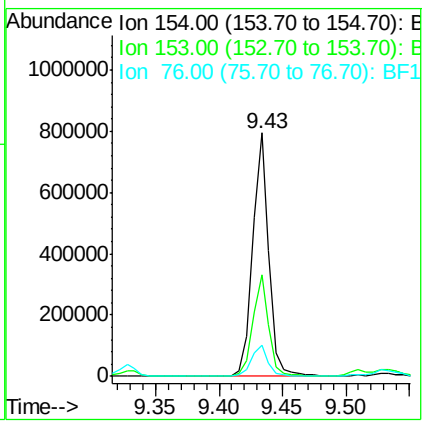


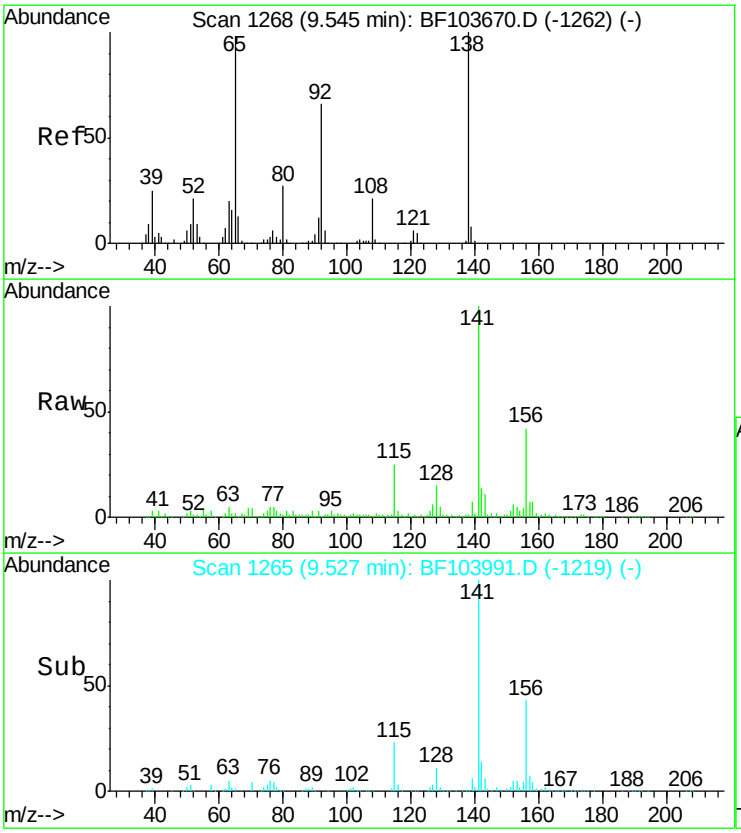

#45
1,1'-Biphenyl
Concen: 37.268 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:154 Resp: 709123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.6 | 21.3 | 61.3 |
| 76 | 12.8 | 0.0 | 34.0 |

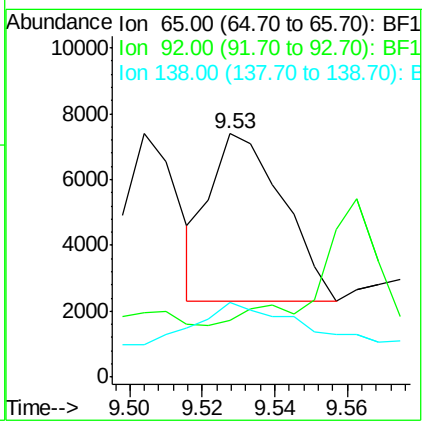


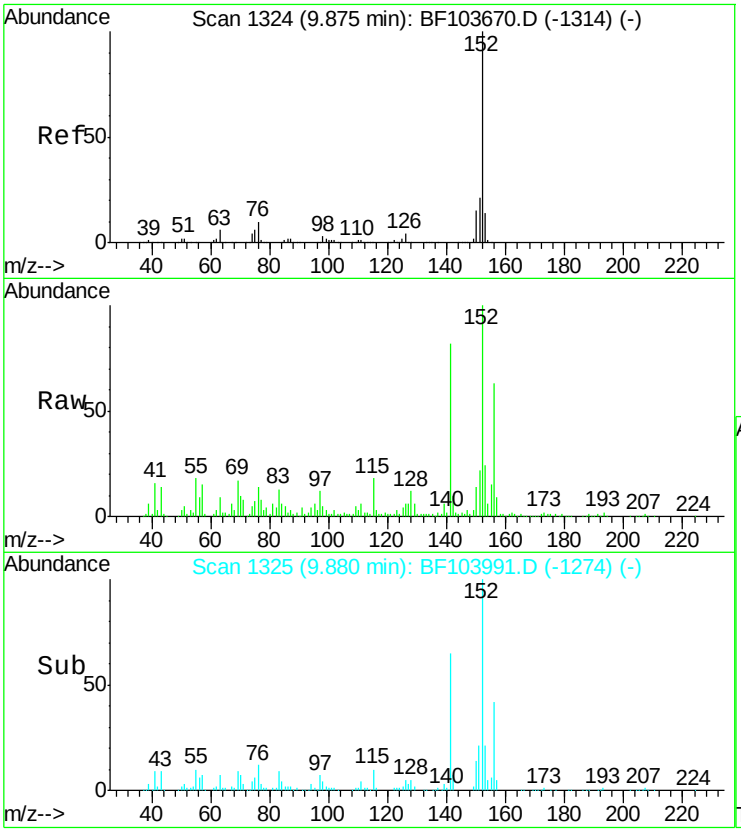




#47
2-Nitroaniline
Concen: 8.358 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion: 65 Resp: 7115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 23.3 | 55.8 | 83.6# |
| 138 | 30.5 | 91.2 | 136.8# |



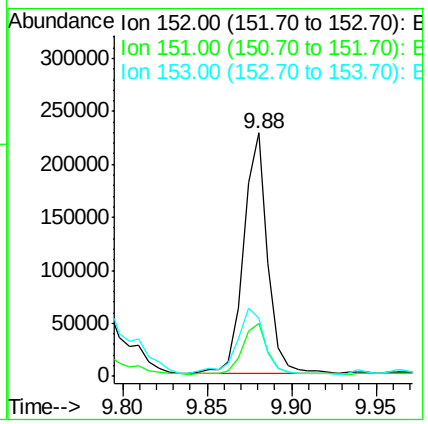


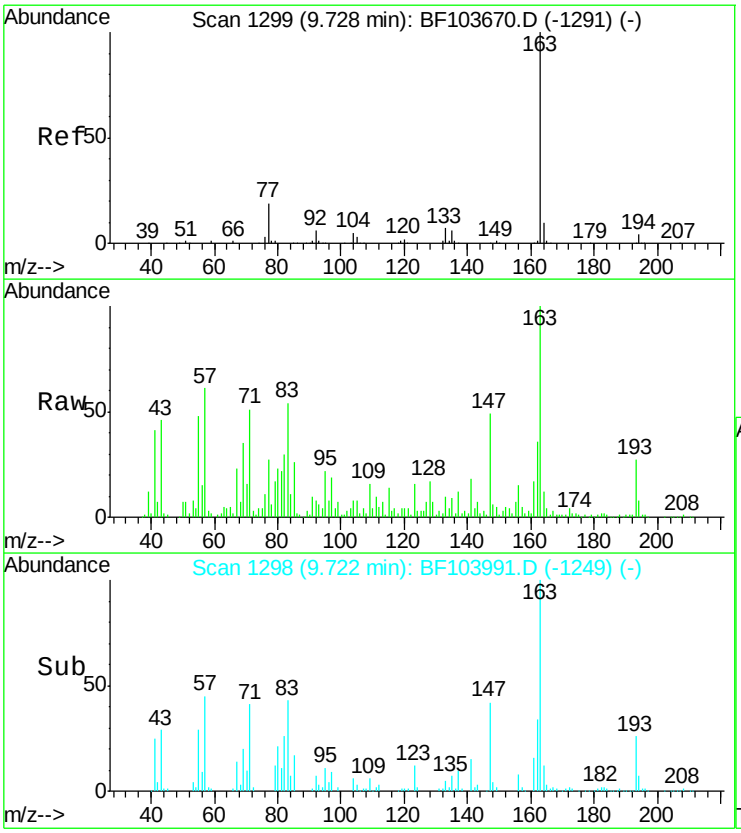

#48
Acenaphthylene
Concen: 9.655 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:152 Resp: 226269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.7 | 16.3 | 24.5 |
| 153 | 23.6 | 10.7 | 16.1# |

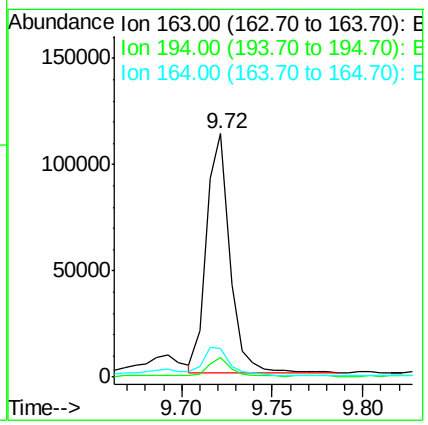


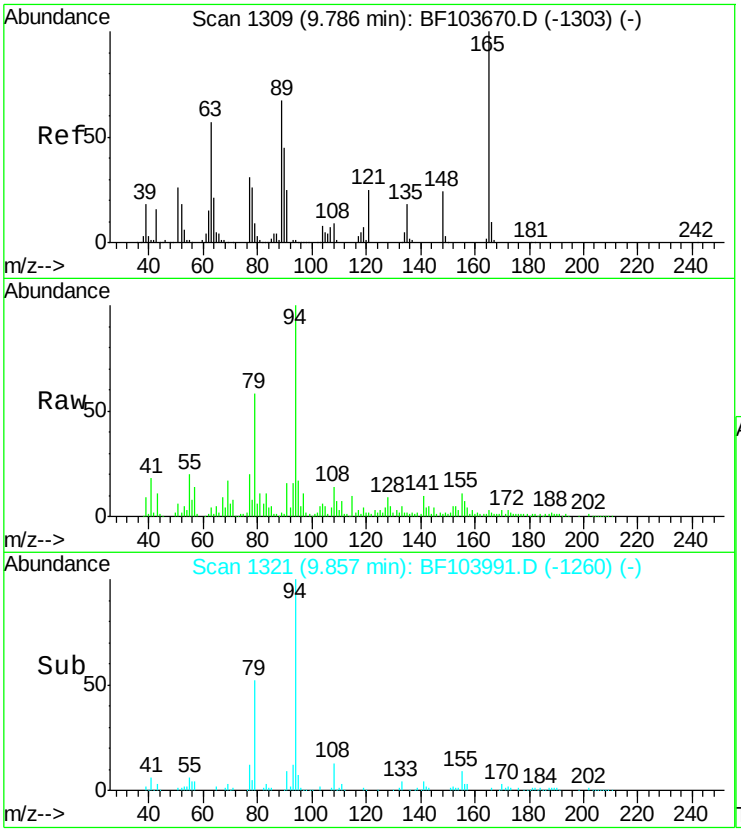




#49
Dimethylphthalate
Concen: 5.843 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:163 Resp: 101734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 7.9 | 2.7 | 4.1# |
| 164 | 11.8 | 8.2 | 12.2 |



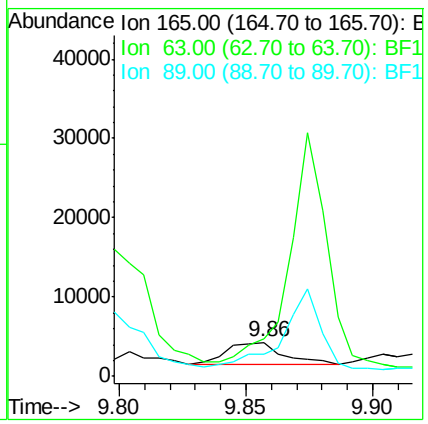


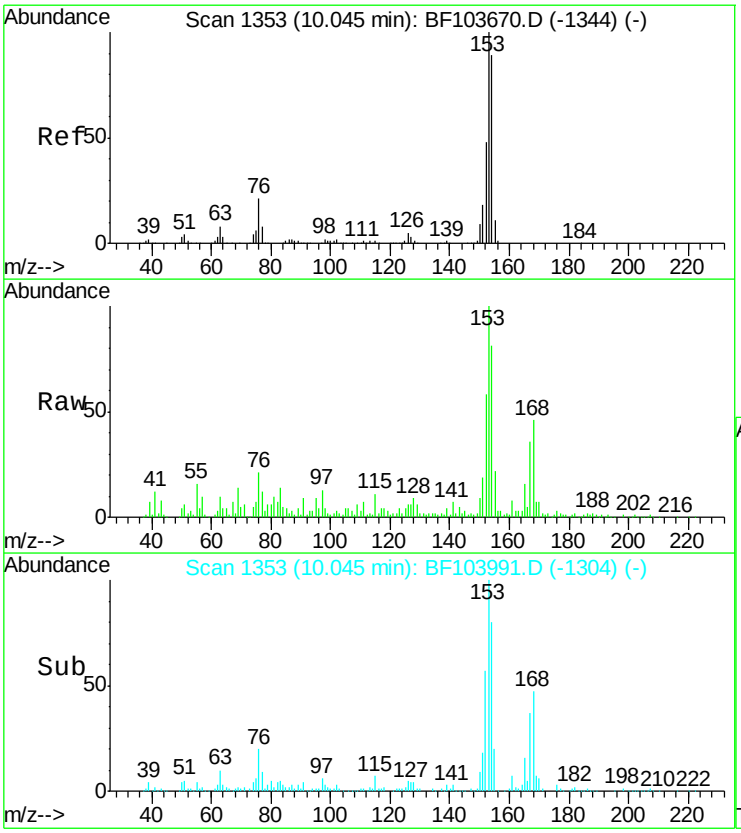

#50
2,6-Dinitrotoluene
Concen: 5.112 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.06 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:165 Resp: 4144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 111.4 | 44.7 | 67.1# |
| 89 | 67.1 | 44.0 | 66.0# |

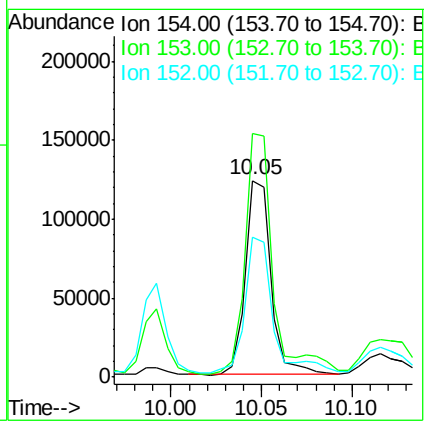


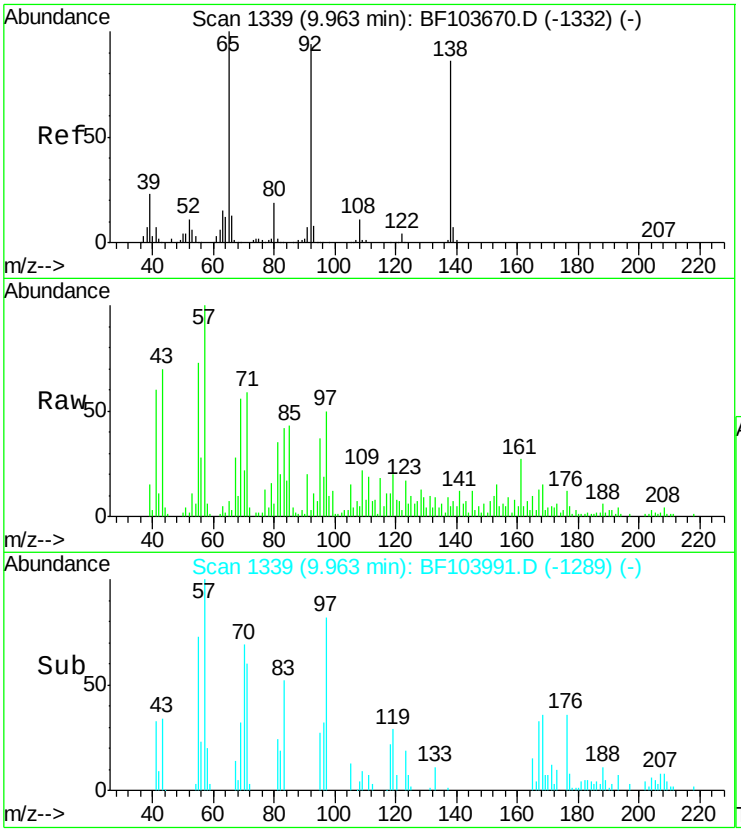




#51
Acenaphthene
Concen: 8.722 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:154 Resp: 121367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 123.7 | 91.2 | 136.8 |
| 152 | 71.2 | 43.8 | 65.8# |



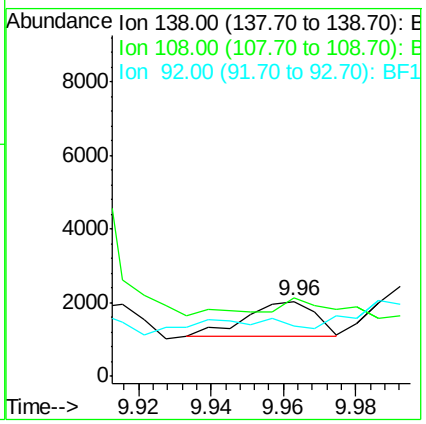


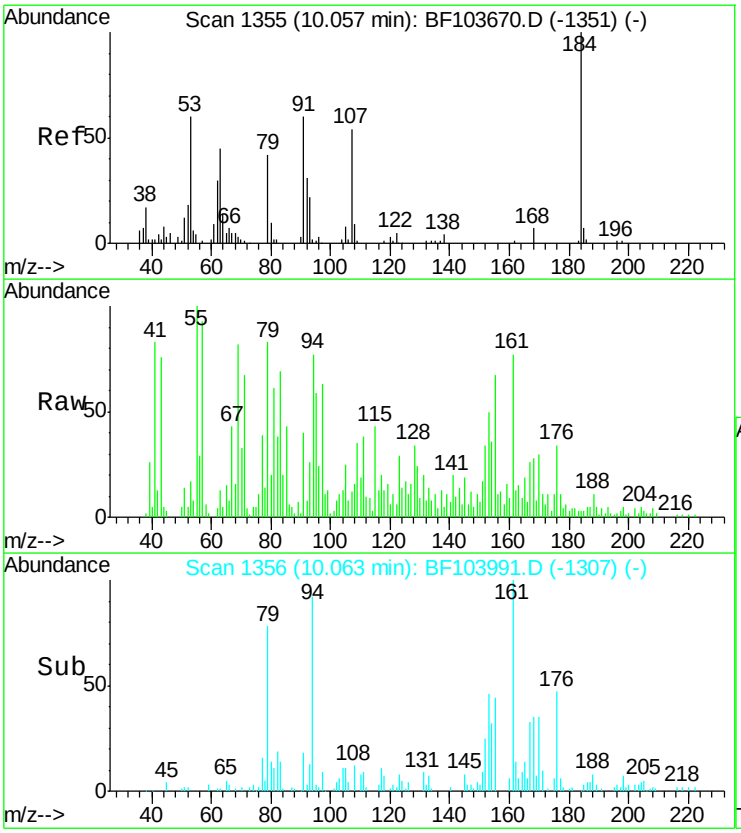

#52
3-Nitroaniline
Concen: 4.097 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:138 Resp: 1240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 105.3 | 9.4 | 14.0# |
| 92 | 67.4 | 89.4 | 134.2# |

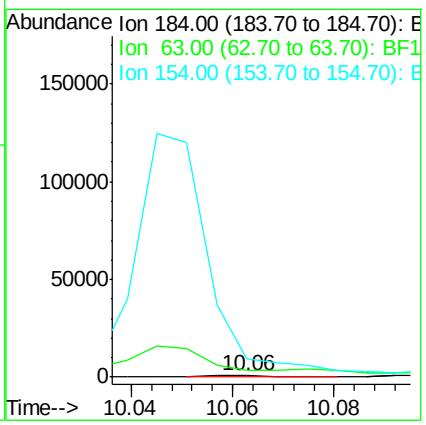


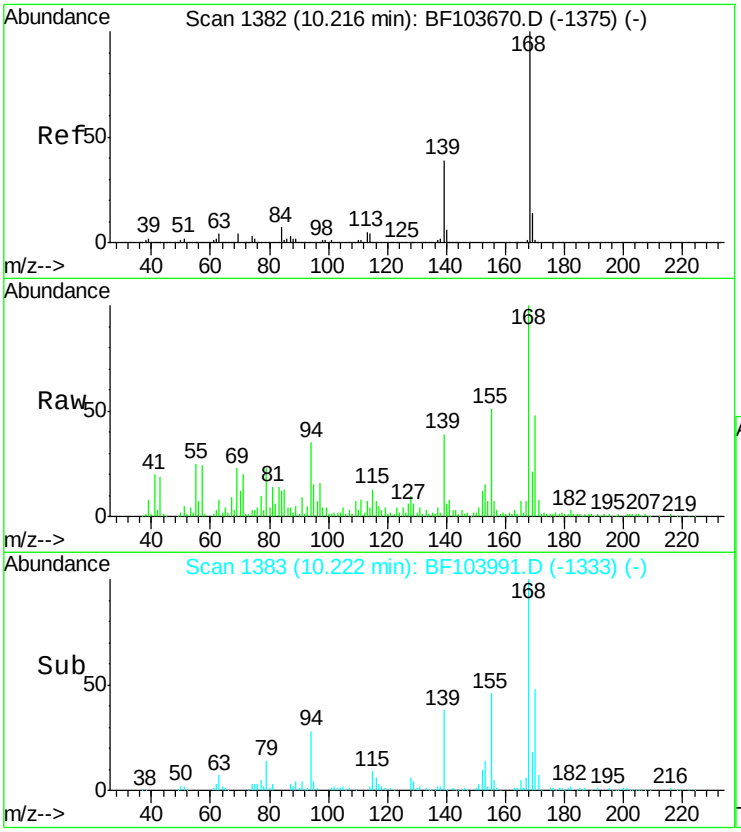




#53
2,4-Dinitrophenol
Concen: 7.034 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:184 Resp: 325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 486.5 | 54.2 | 81.2# |
| 154 | 1338.1 | 184.0 | 276.0# |



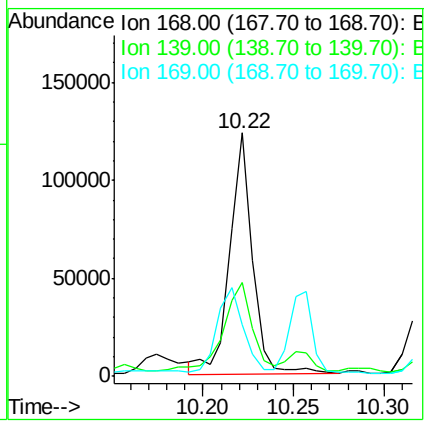


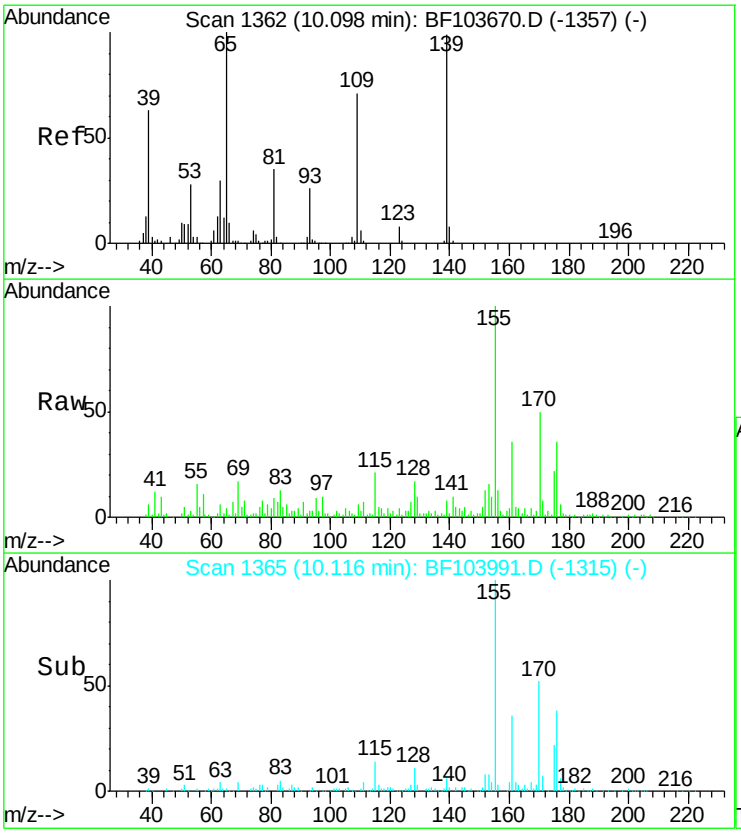

#54
Dibenzofuran
Concen: 5.493 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:168 Resp: 109171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.6 | 30.1 | 45.1 |
| 169 | 21.1 | 10.9 | 16.3# |

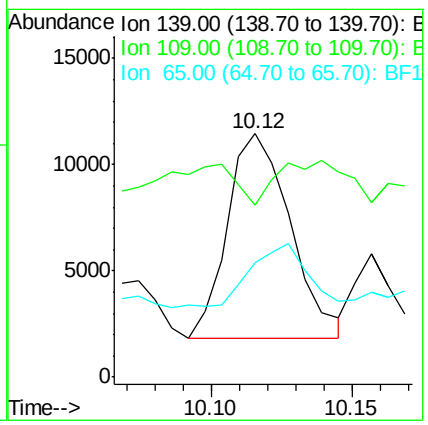


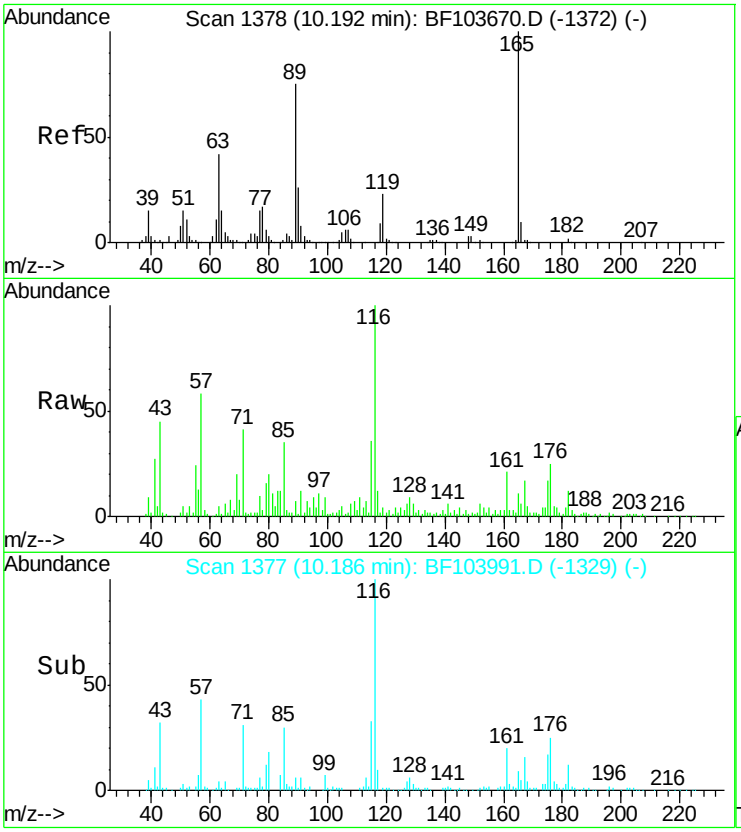




#55
4-Nitrophenol
Concen: 9.369 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:139 Resp: 14951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.5 | 48.4 | 88.4 |
| 65 | 47.0 | 72.6 | 112.6# |



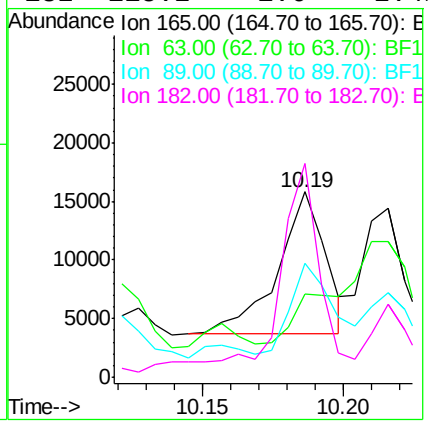


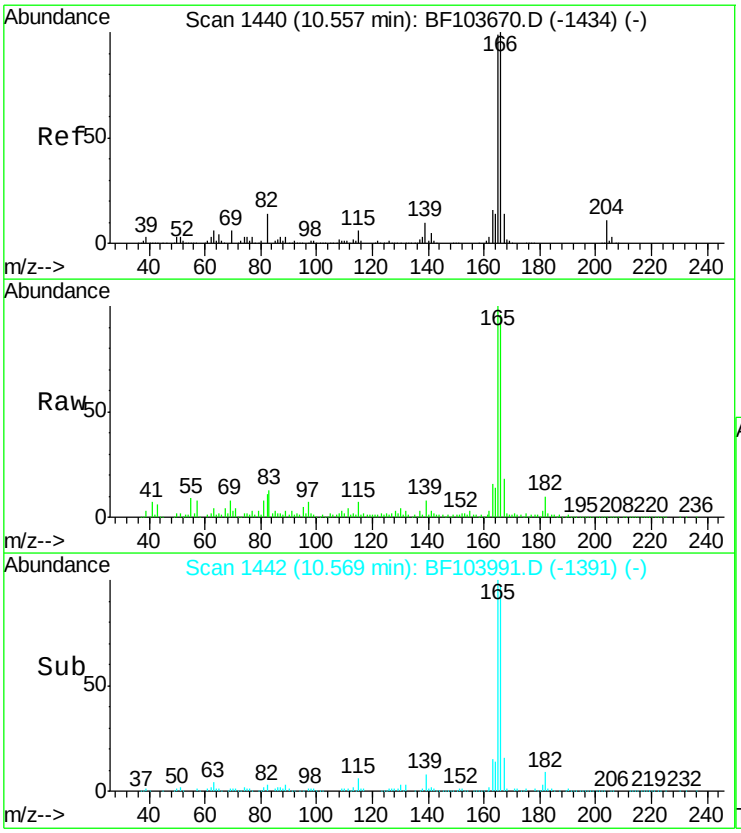

#56
2,4-Dinitrotoluene
Concen: 9.139 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:165 Resp: 14336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.9 | 36.4 | 54.6 |
| 89 | 61.2 | 57.8 | 86.6 |
| 182 | 115.2 | 1.6 | 2.4# |

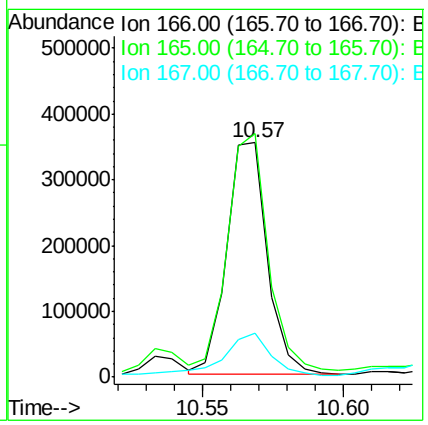


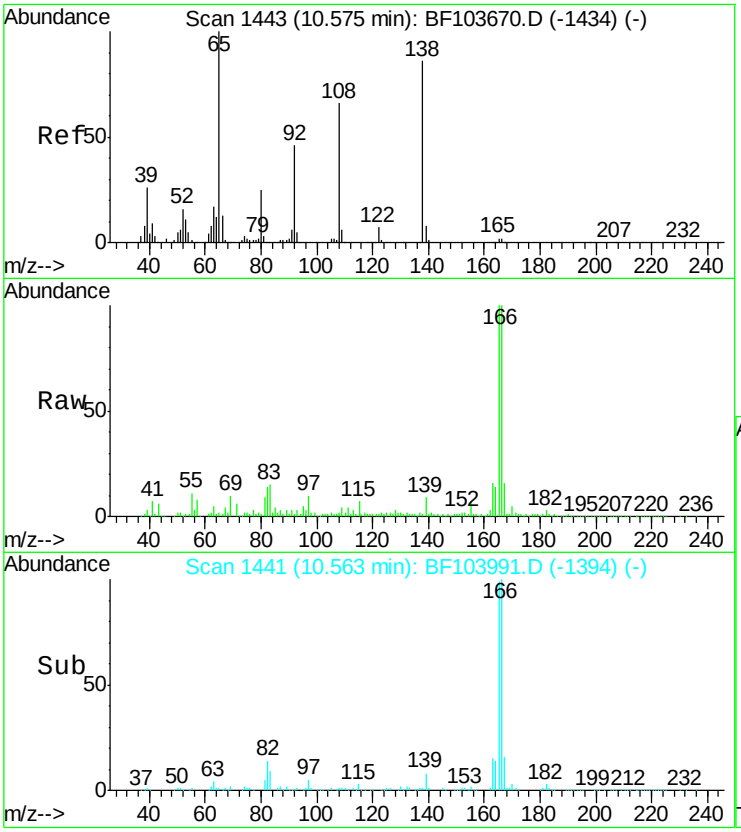




#57
Fluorene
Concen: 22.842 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:166 Resp: 352271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.9 | 79.8 | 119.8 |
| 167 | 18.7 | 10.6 | 16.0# |



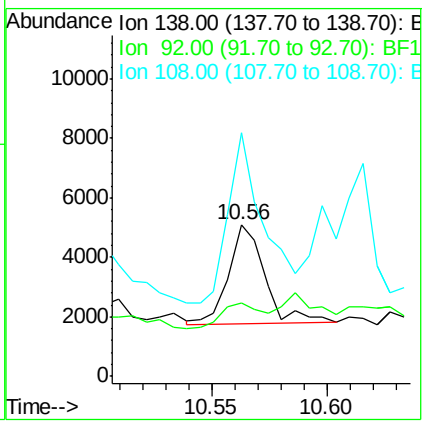


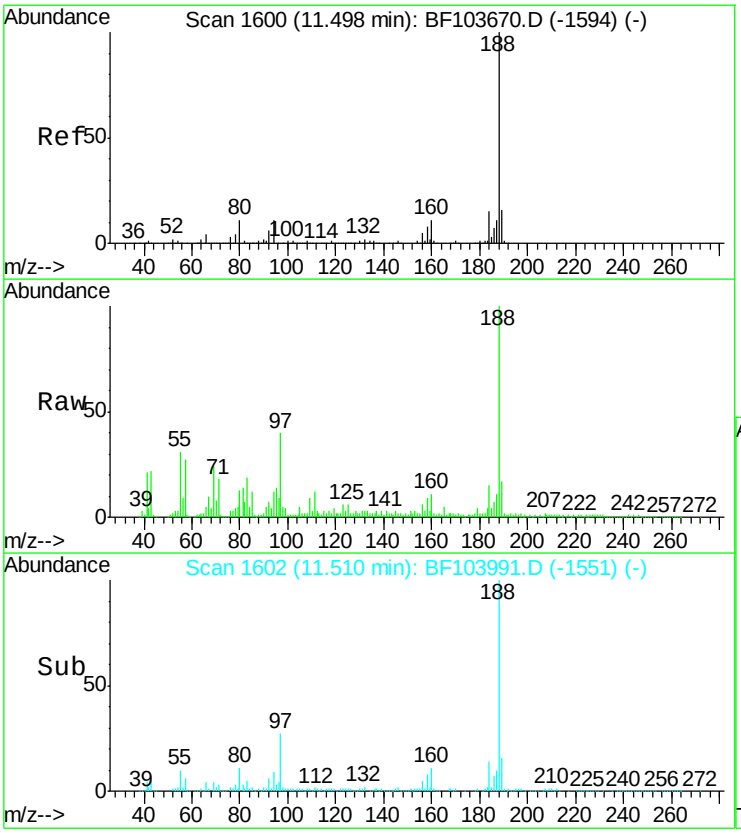

#61
4-Nitroaniline
Concen: 4.631 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:138 Resp: 3713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.2 | 30.2 | 70.2 |
| 108 | 160.2 | 52.5 | 92.5# |

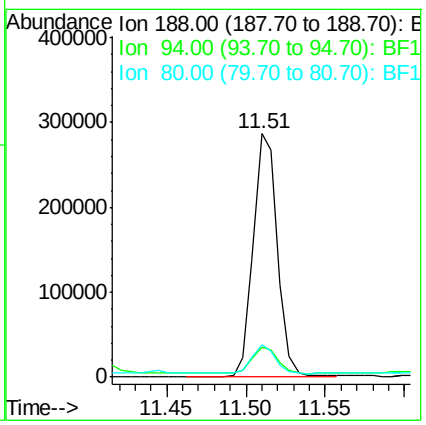


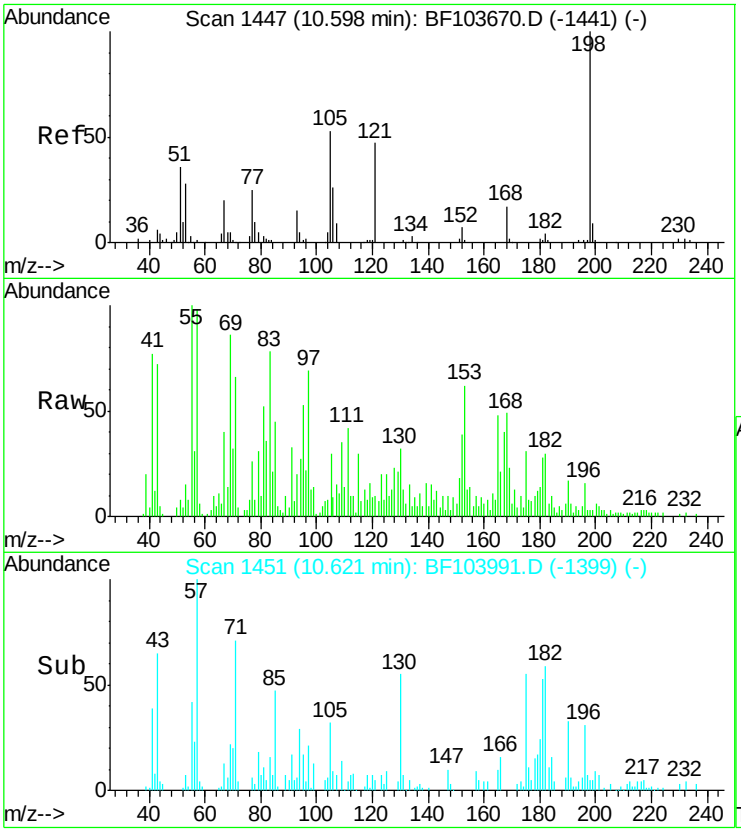




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:188 Resp: 301049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.4 | 8.5 | 12.7 |
| 80 | 13.1 | 9.2 | 13.8 |



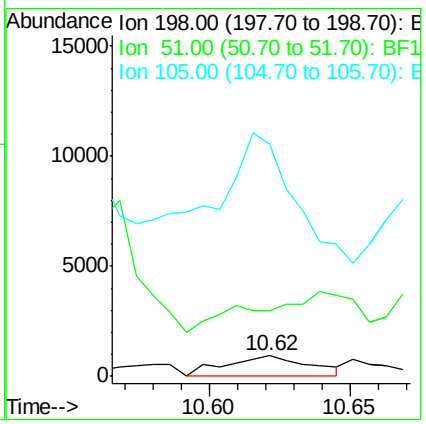


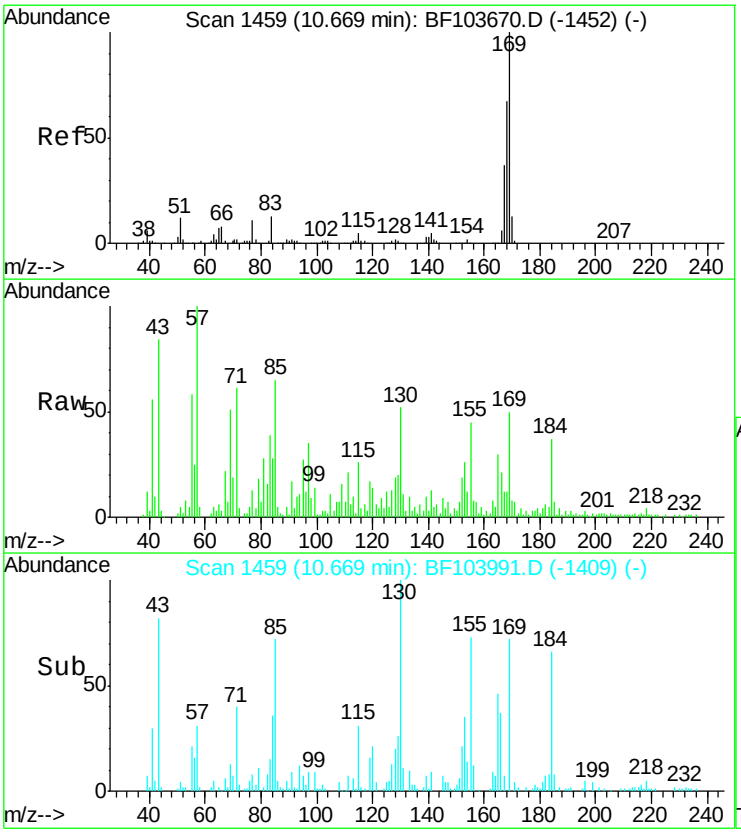

#64
4,6-Dinitro-2-methylphenol
Concen: 9.991 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:198 Resp: 1900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 320.4 | 37.7 | 77.7# |
| 105 | 1142.8 | 36.3 | 76.3# |

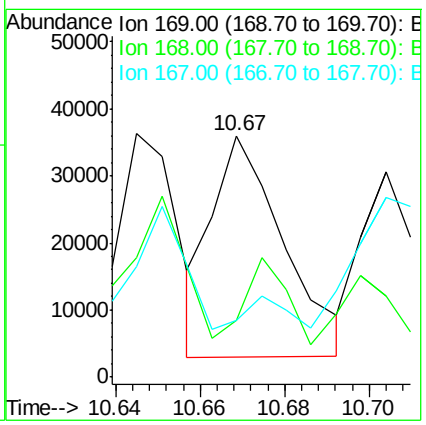


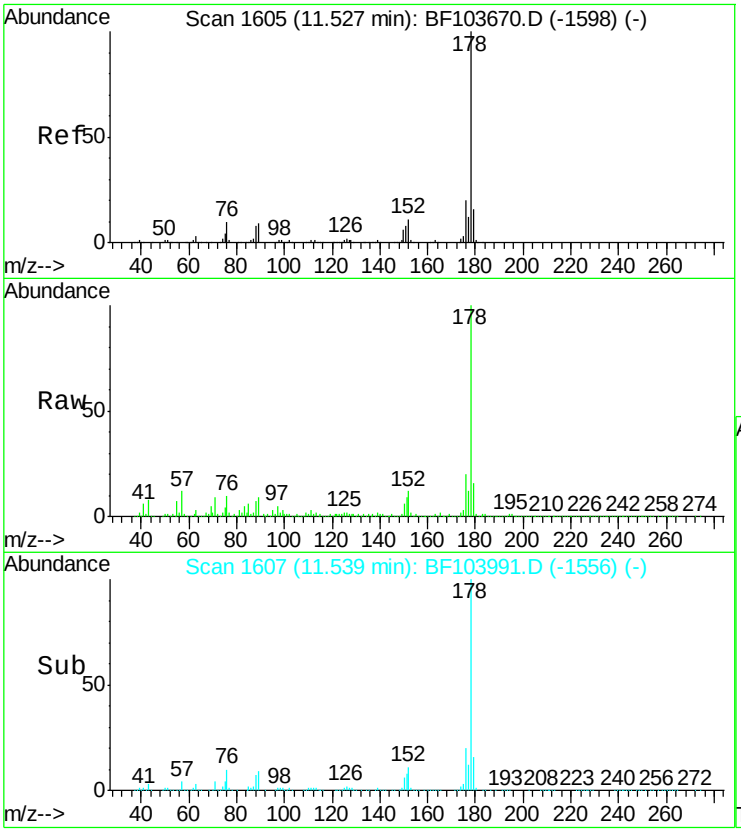




#65
n-Nitrosodiphenylamine
Concen: 3.800 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:169 Resp: 38943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 23.4 | 54.4 | 81.6# |
| 167 | 23.5 | 29.8 | 44.6# |



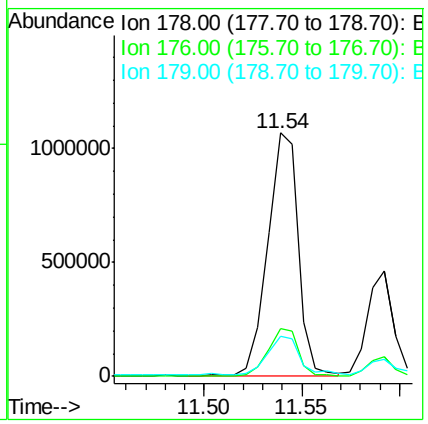


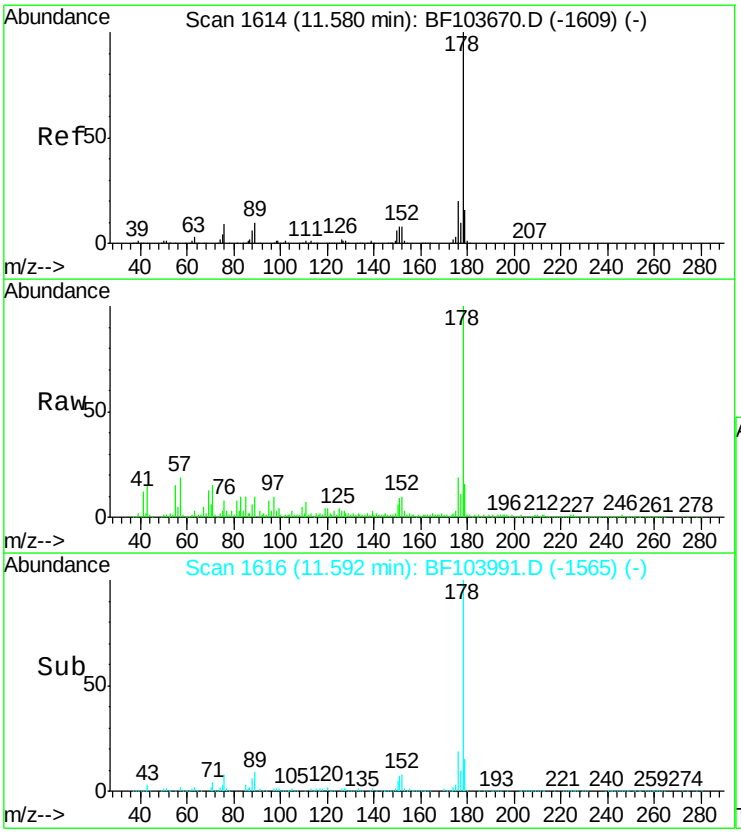

#70
Phenanthrene
Concen: 69.935 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:178 Resp: 1151702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.8 | 23.8 |
| 179 | 16.3 | 13.0 | 19.6 |

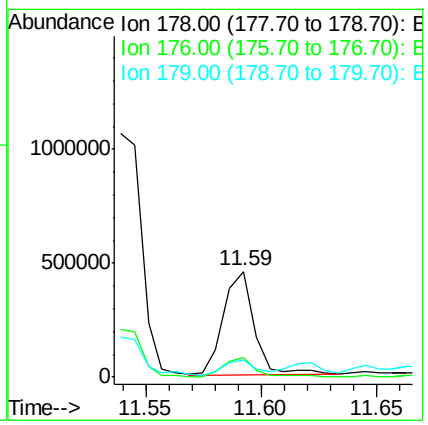


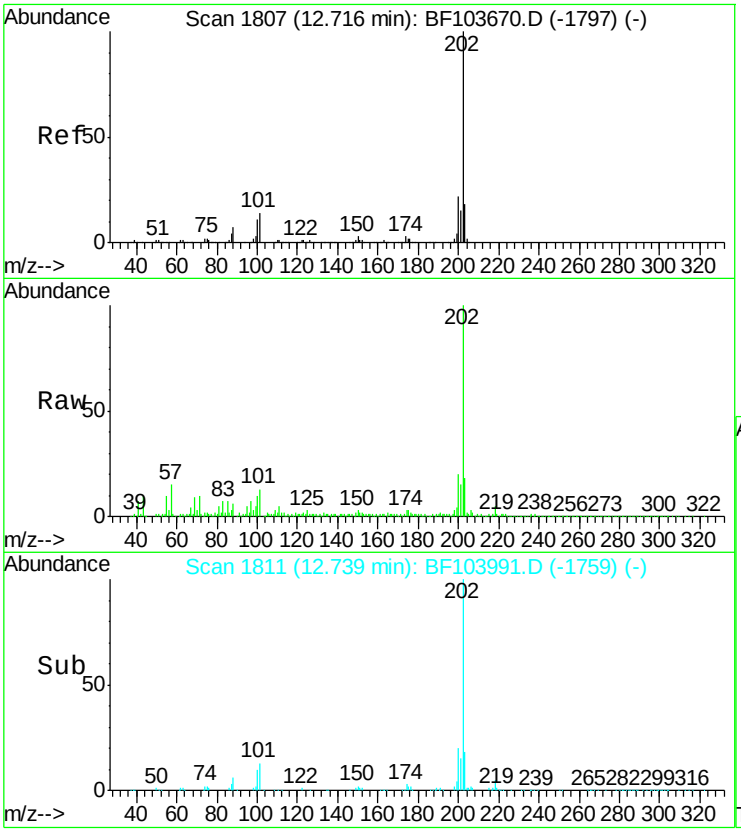




#71
Anthracene
Concen: 25.334 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:178 Resp: 423739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 16.2 | 12.6 | 19.0 |



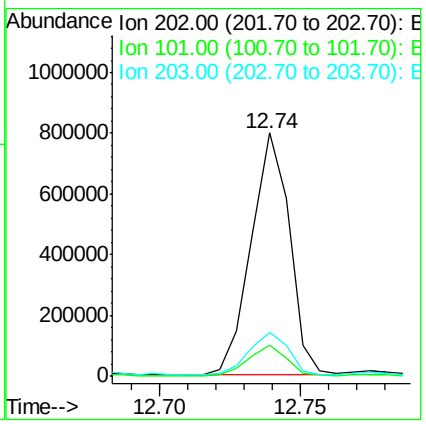


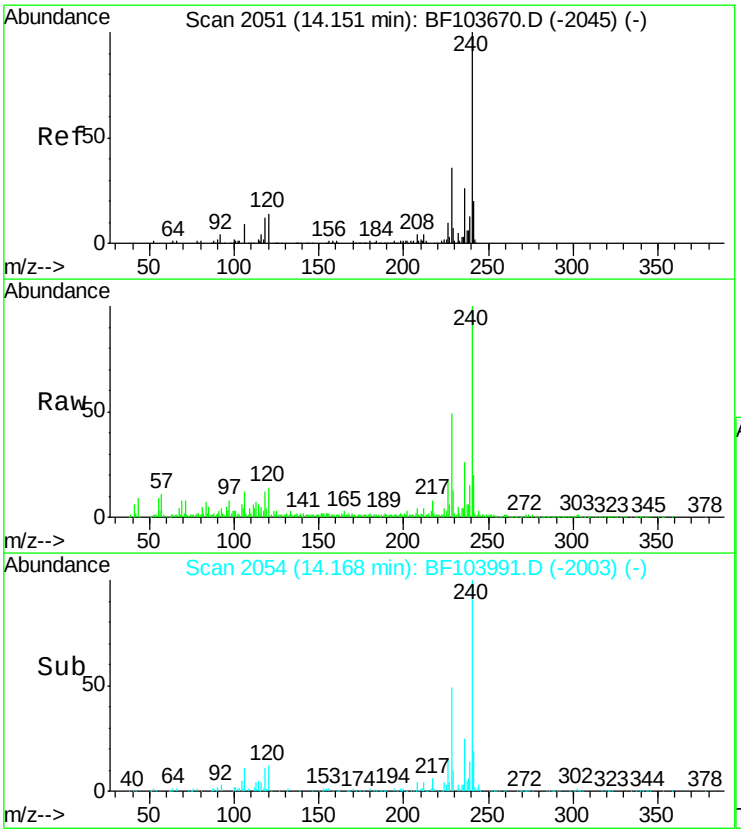

#74
Fluoranthene
Concen: 44.416 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:202 Resp: 753549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 34.1 |
| 203 | 18.3 | 0.0 | 38.1 |

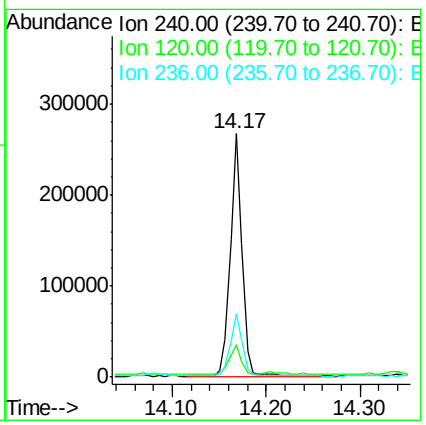


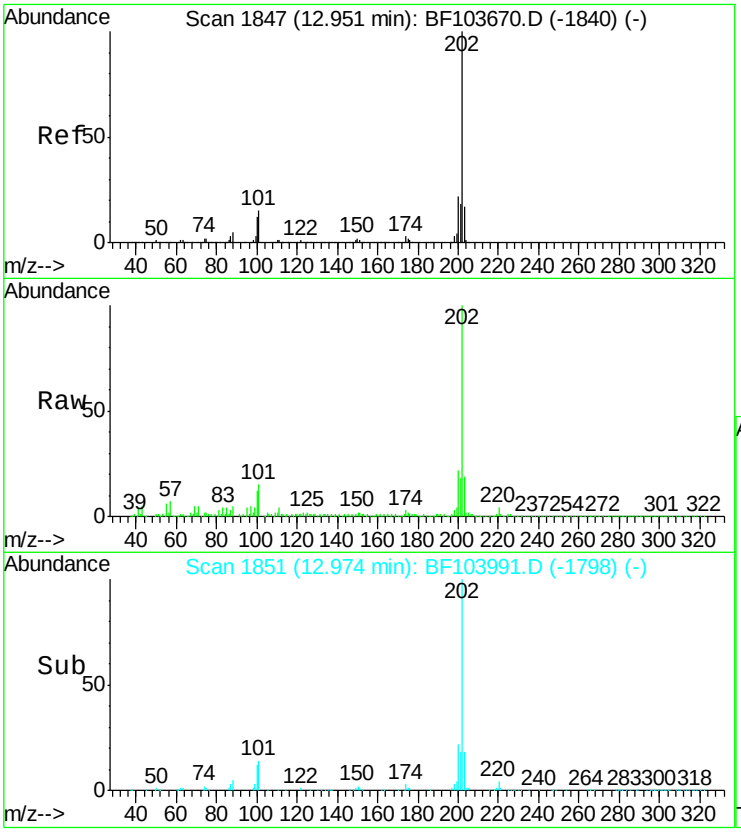




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:240 Resp: 232172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.5 | 9.5 | 14.3 |
| 236 | 25.8 | 20.7 | 31.1 |



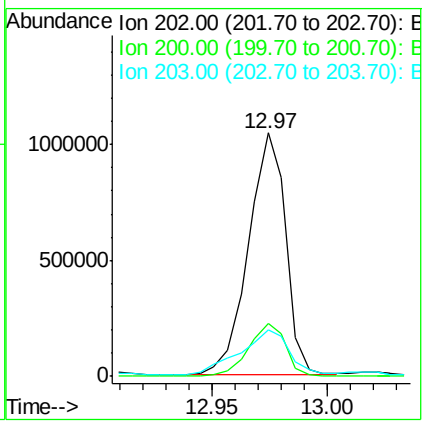


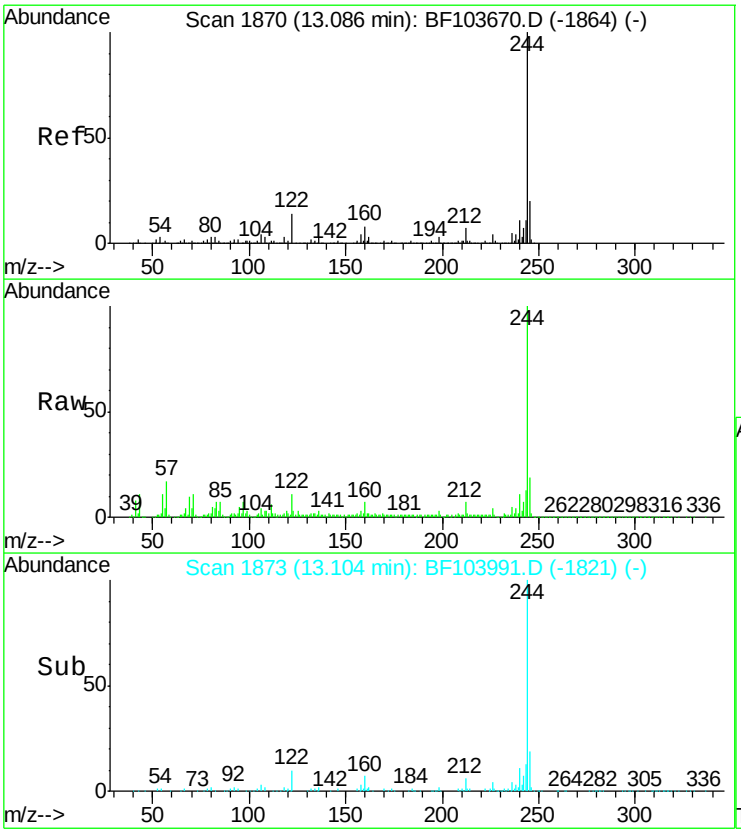

#77
Pyrene
Concen: 69.098 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:202 Resp: 1178151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.4 | 26.2 |
| 203 | 19.1 | 14.3 | 21.5 |

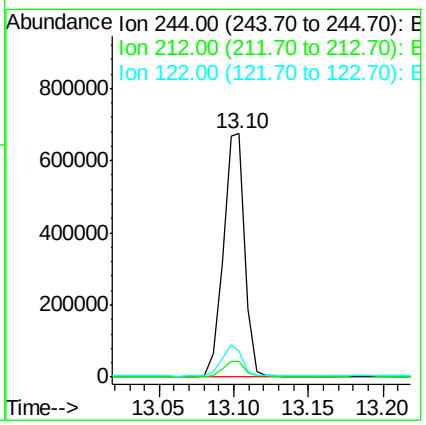


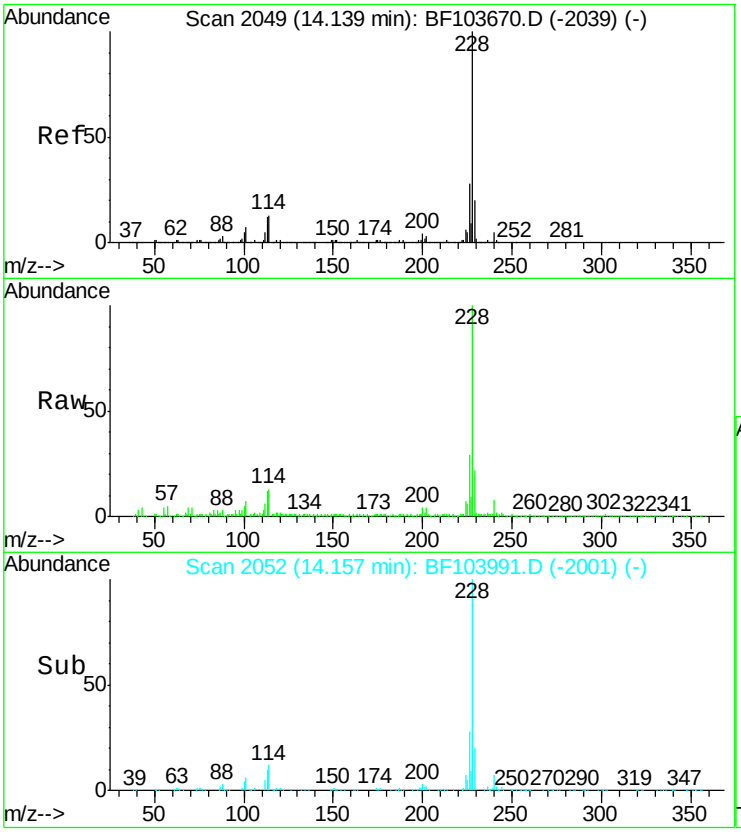




#78
Terphenyl-d14
Concen: 68.489 ng
RT: 13.10 min Scan# 1873
Delta R.T. 0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:244 Resp: 685064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 10.8 | 11.0 | 16.4# |



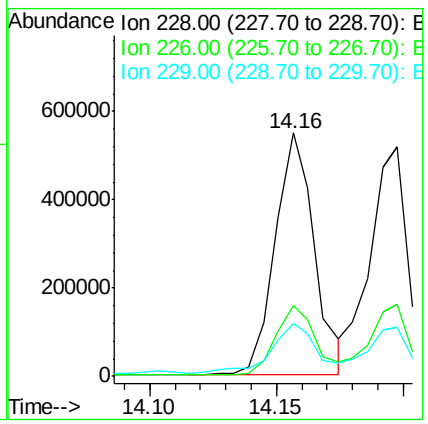


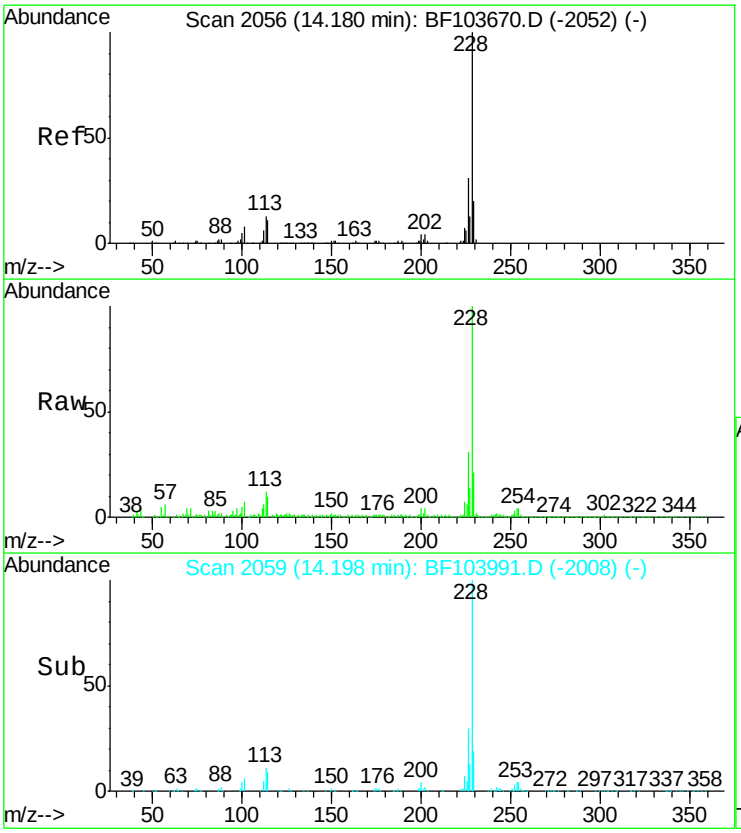

#80
Benzo(a)anthracene
Concen: 40.245 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:228 Resp: 591454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.6 | 33.8 |
| 229 | 21.9 | 15.8 | 23.6 |

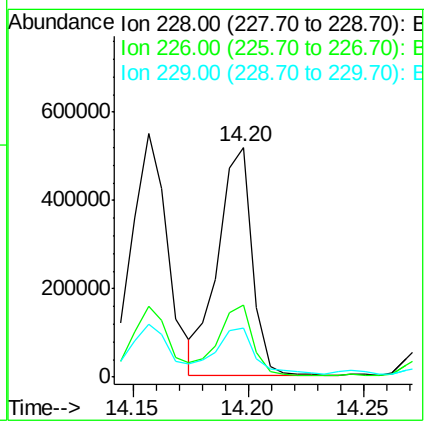


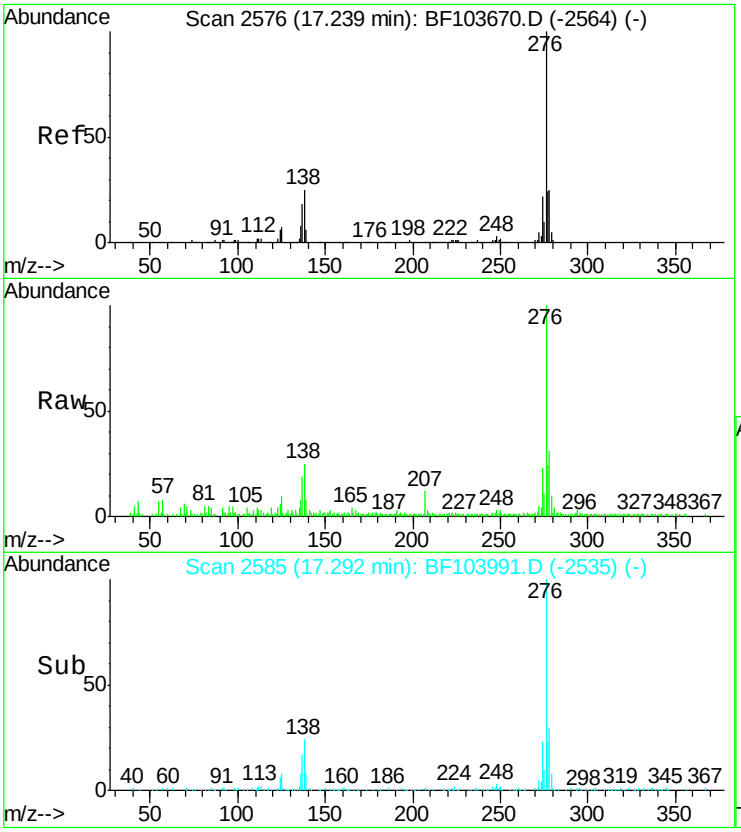




#82
Chrysene
Concen: 38.108 ng
RT: 14.20 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:228 Resp: 533867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 25.0 | 37.6 |
| 229 | 21.2 | 16.2 | 24.4 |



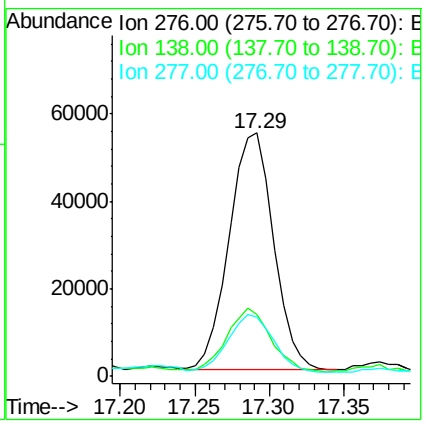


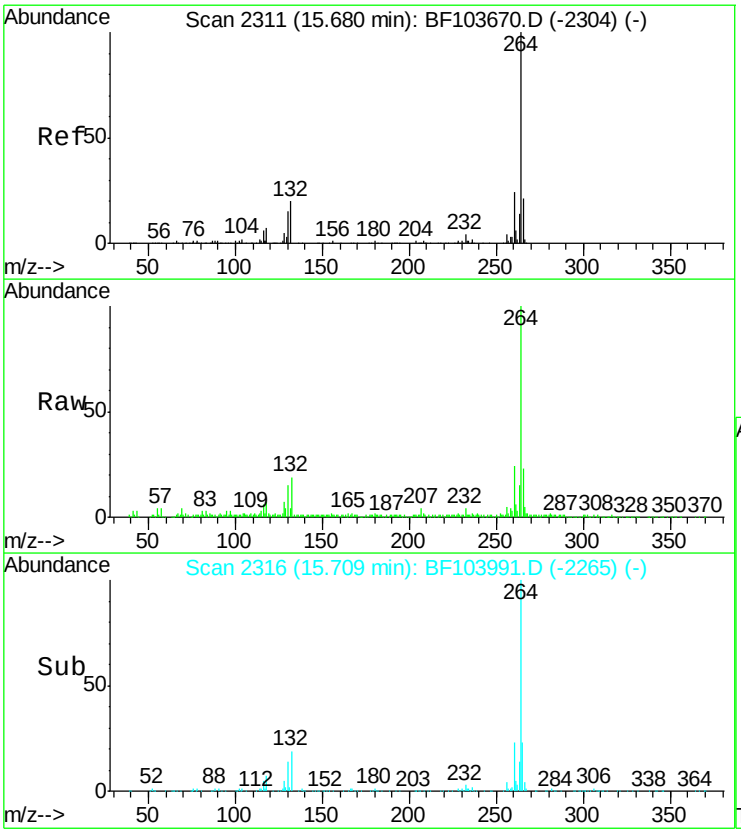

#85
Indeno(1,2,3-cd)pyrene
Concen: 9.121 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:276 Resp: 111594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 25.0 | 37.6 |
| 277 | 25.0 | 20.1 | 30.1 |

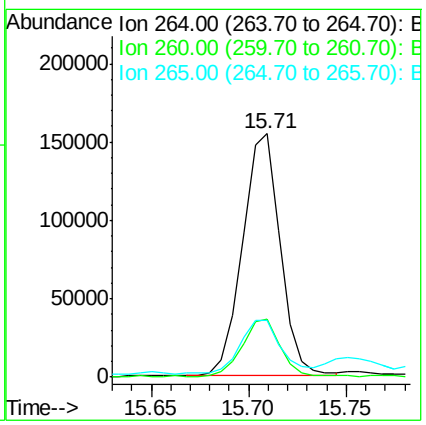


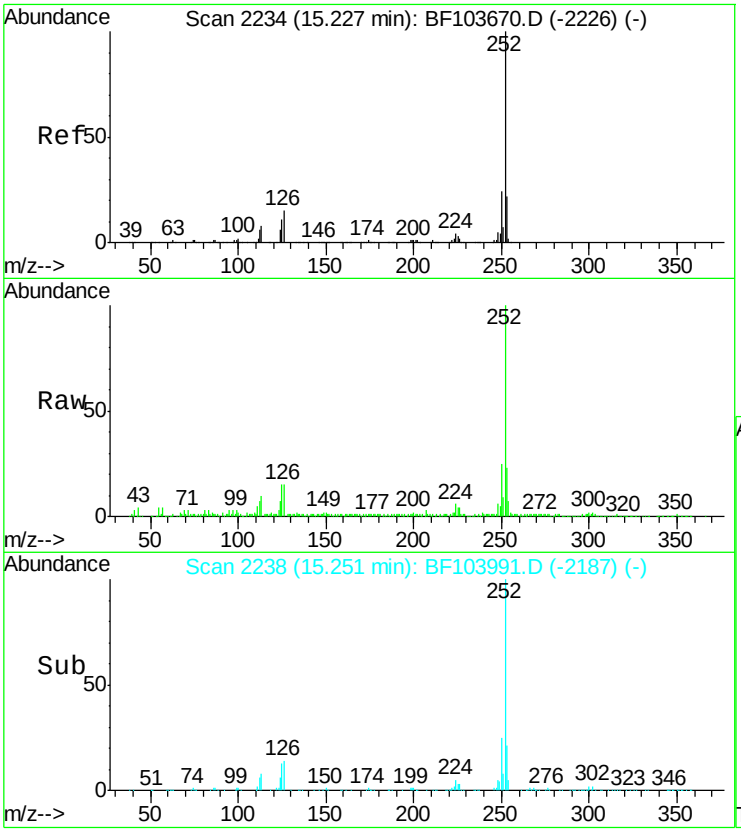




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:264 Resp: 207102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 23.2 | 17.5 | 26.3 |



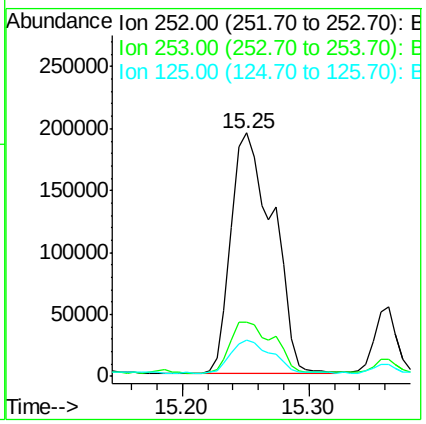


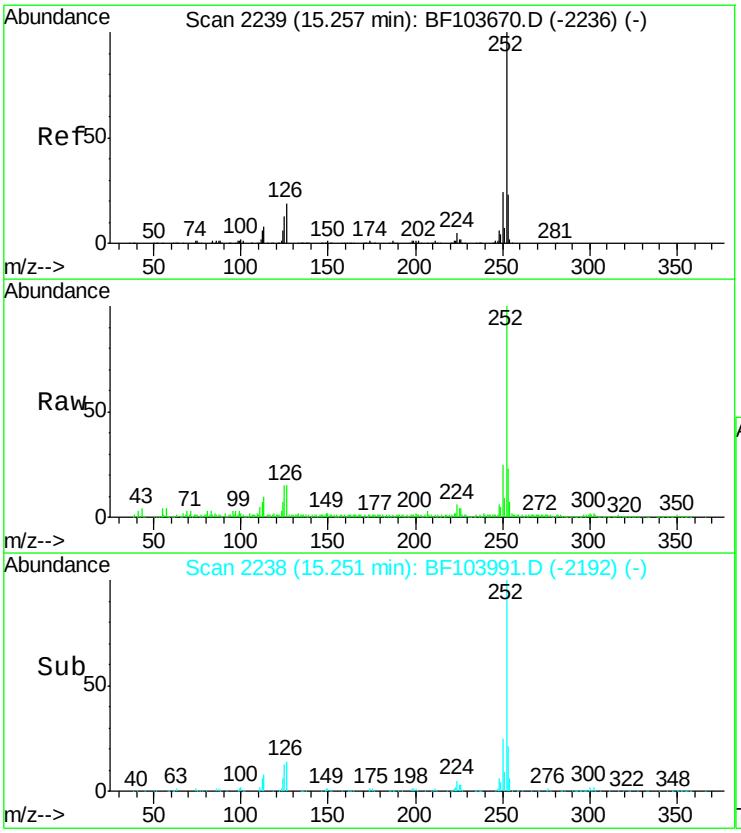

#87
Benzo(b)fluoranthene
Concen: 34.104 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:252 Resp: 446218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.0 | 25.6 |
| 125 | 14.7 | 9.0 | 13.6# |

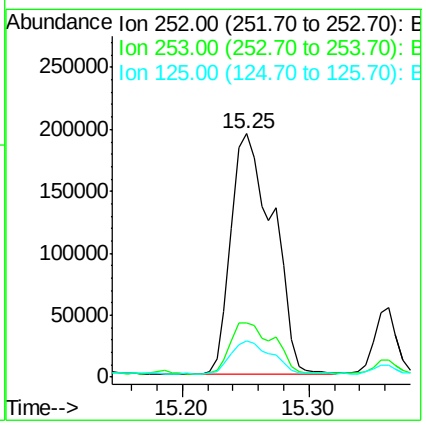


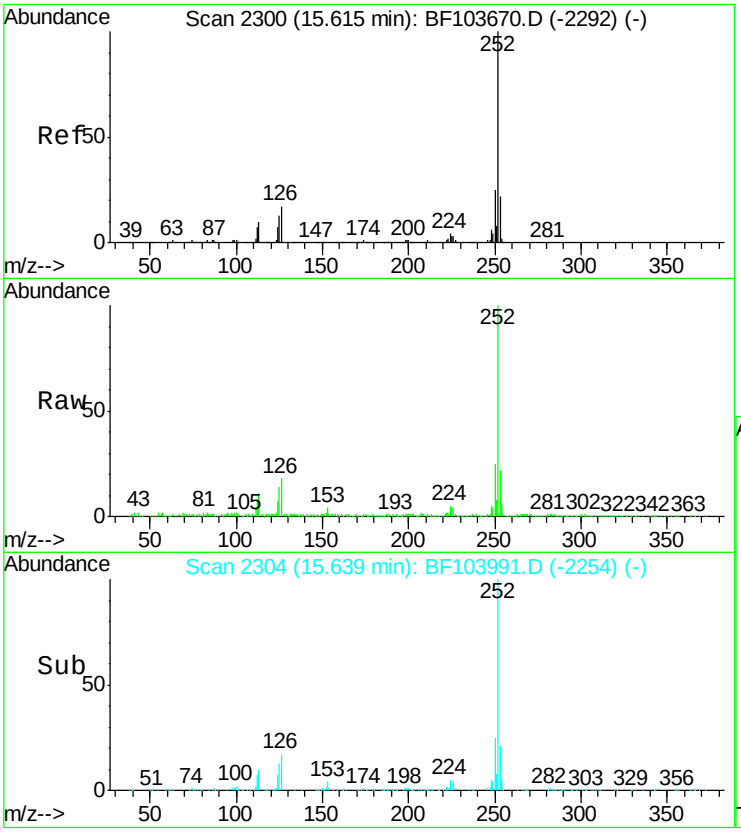




#88
Benzo(k)fluoranthene
Concen: 35.534 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.03 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:252 Resp: 446924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.9 | 26.9 |
| 125 | 14.7 | 10.2 | 15.2 |



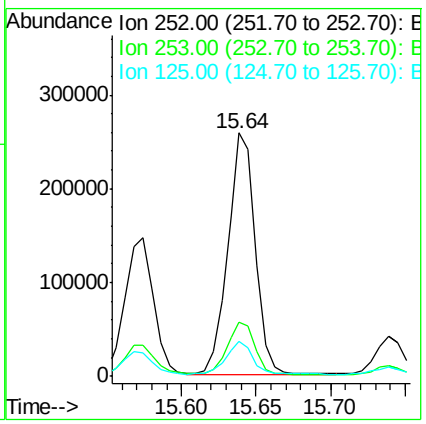


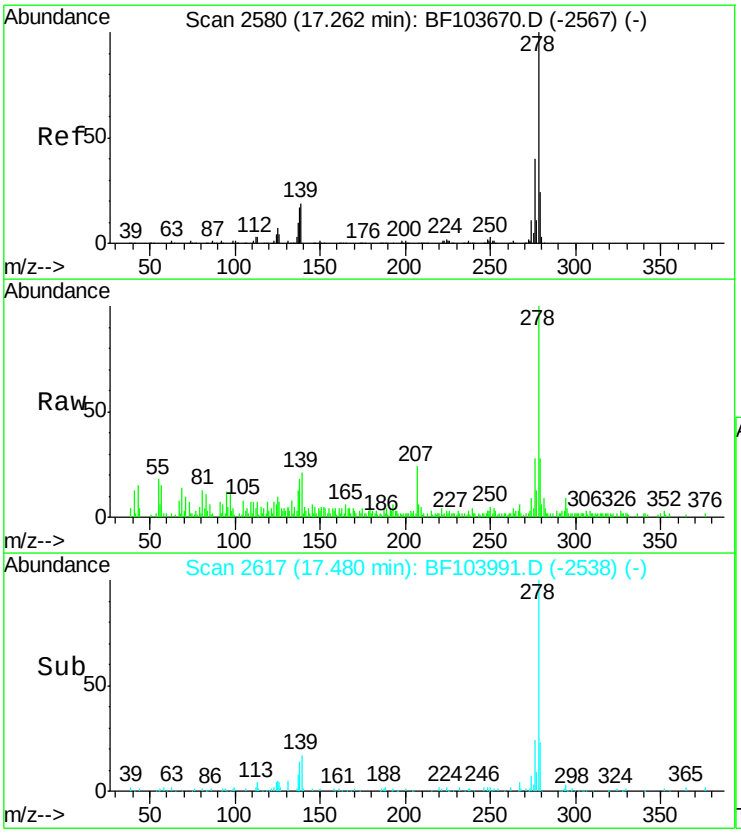

#89
Benzo(a)pyrene
Concen: 28.055 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:252 Resp: 332945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.1 | 25.7 |
| 125 | 14.3 | 9.8 | 14.6 |

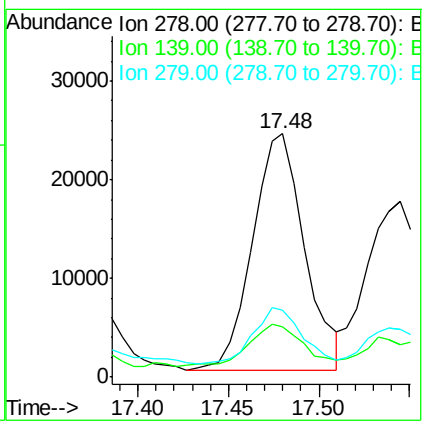


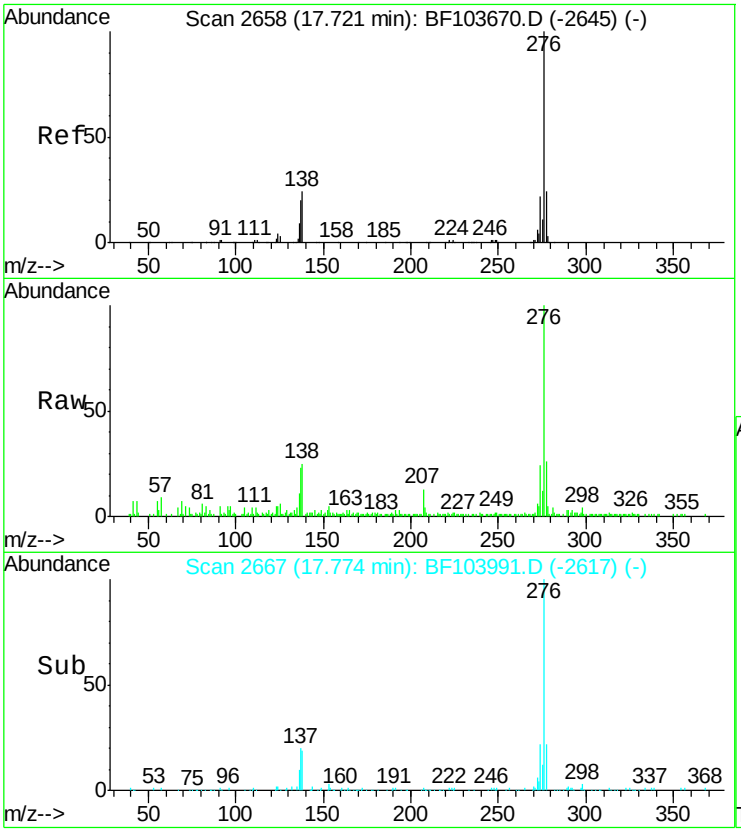




#90
Dibenzo(a,h)anthracene
Concen: 4.651 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.16 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

Tgt Ion:278 Resp: 47797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.6 | 15.9 | 23.9 |
| 279 | 27.7 | 19.0 | 28.4 |






#91
Benzo(g,h,i)perylene
Concen: 11.094 ng
RT: 17.77 min Scan# 2667
Delta R.T. -0.01 min
Lab File: BF103991.D
Acq: 28 Mar 2018 00:43

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

Tgt Ion:276 Resp: 110906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 17.9 | 26.9 |
| 138 | 25.0 | 21.8 | 32.8 |