Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108741.D
Acq On : 4 Sep 2018 15:26
Operator : JU/SJ
Sample : J4712-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 04 16:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 70546 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.27 | 136 | 272526 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.03 | 164 | 127178 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.53 | 188 | 273642 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.19 | 240 | 231093 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.74 | 264 | 156255 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 286325 | 70.51 | ng | | -0.02 |
| 7) Phenol-d6 | 6.62 | 99 | 493934 | 84.92 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 339526 | 63.24 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.83 | 330 | 137703 | 82.02 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 636183 | 67.26 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.11 | 244 | 759601 | 63.86 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.76 | 77 | 9215 | 2.563 | ng | # | 71 |
| 19) n-Nitroso-di-n-propylamine | 7.56 | 70 | 39580 | 10.162 | ng | # | 87 |
| 25) Isophorone | 7.56 | 82 | 343453 | 38.508 | ng | # | 64 |
| 49) Dimethylphthalate | 9.74 | 163 | 93775 | 9.364 | ng | | 100 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 16113 | 5.513 | ng | # | 21 |
| 66) 4-Bromophenyl-phenylether | 10.83 | 248 | 8569 | 2.548 | ng | # | 1 |
| 74) Fluoranthene | 12.75 | 202 | 208020 | 13.380 | ng | | 94 |
| 77) Pyrene | 12.98 | 202 | 218760 | 12.593 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.18 | 228 | 135216 | 9.598 | ng | | 98 |
| 82) Chrysene | 14.21 | 228 | 119270 | 8.803 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 78983 | 8.384 | ng | # | 81 |
| 87) Benzo(b)fluoranthene | 15.28 | 252 | 234061 | 24.385 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 15.28 | 252 | 234061 | 24.616 | ng | | 96 |
| 89) Benzo(a)pyrene | 15.68 | 252 | 115674 | 13.335 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 17.37 | 278 | 14988 | 2.163 | ng | # | 83 |
| 91) Benzo(g,h,i)perylene | 17.86 | 276 | 83312 | 12.373 | ng | # | 87 |

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

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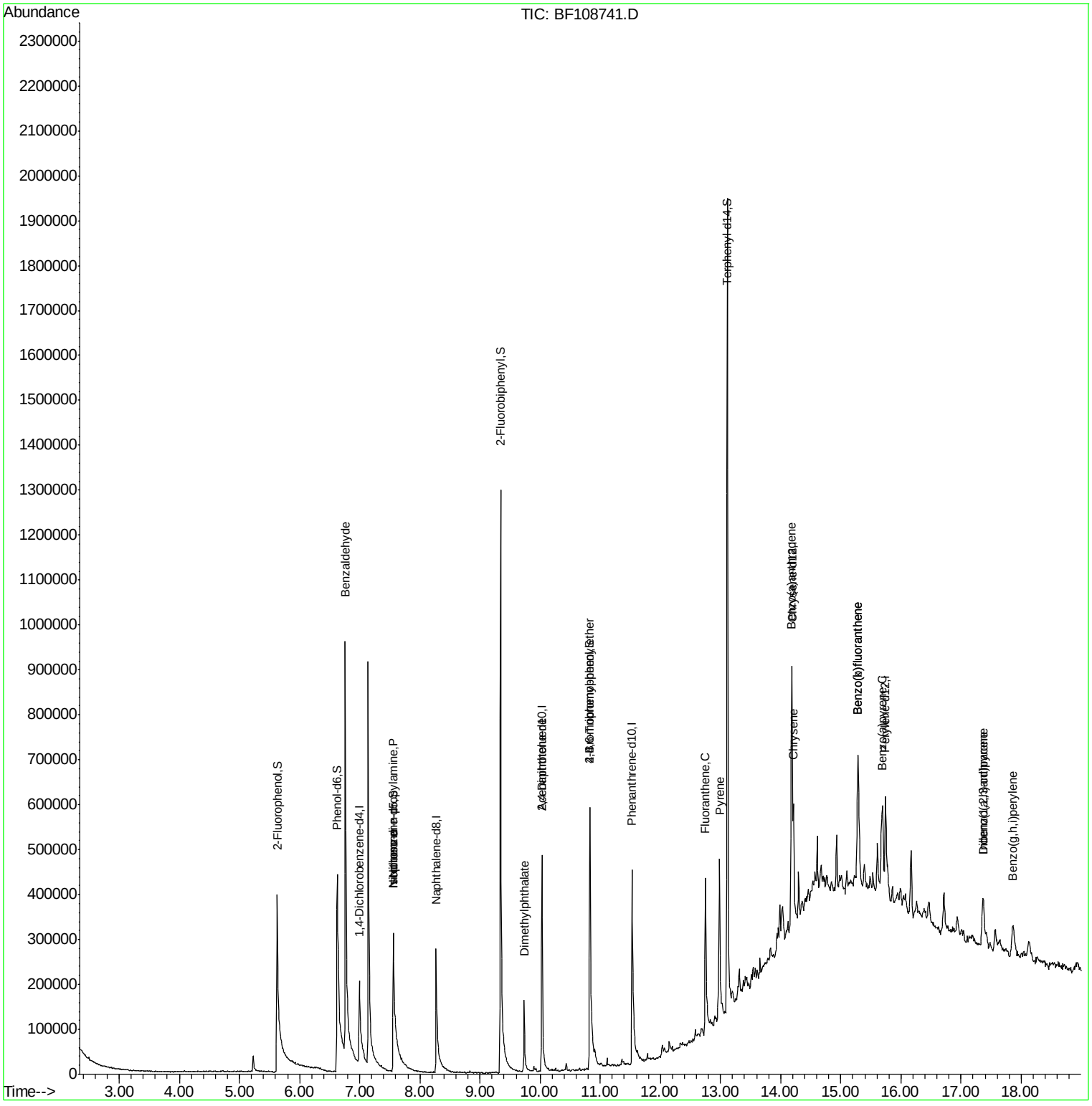
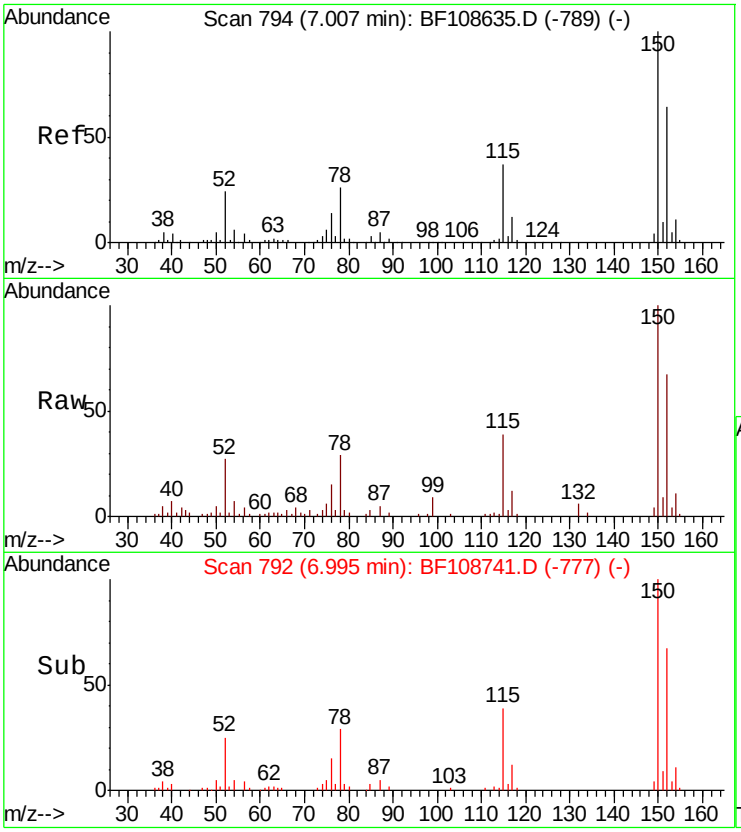
Acq On : 4 Sep 2018 15:26
Operator : JU/SJ
Sample : J4712-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 04 16:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration



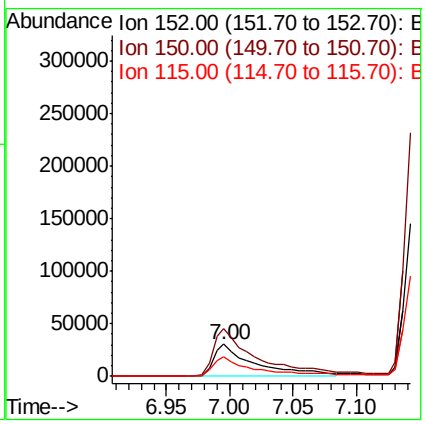


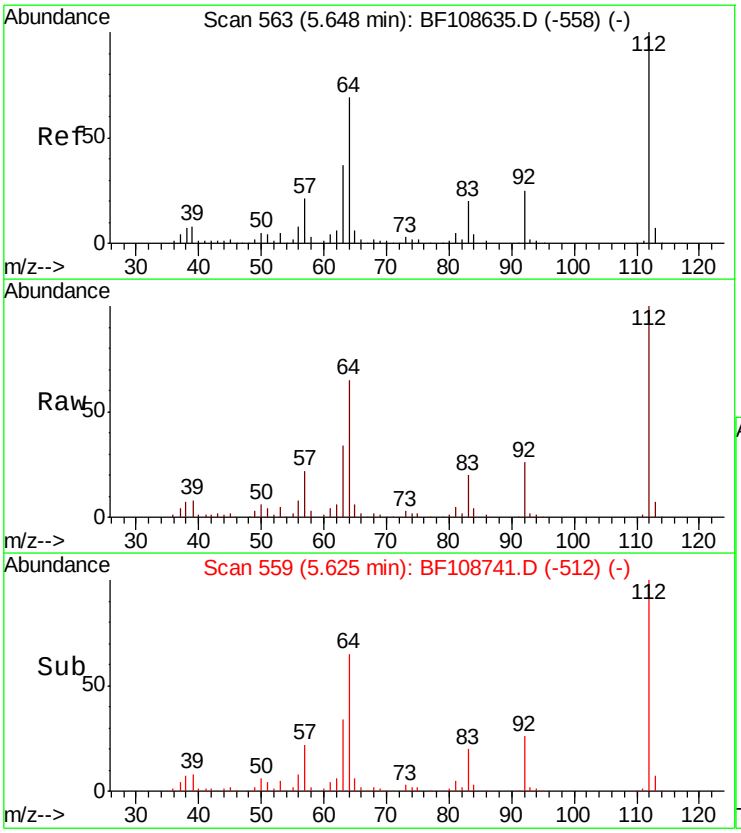

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:152 Resp: 70546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 149.4 | 124.6 | 186.8 |
| 115 | 59.0 | 50.1 | 75.1 |

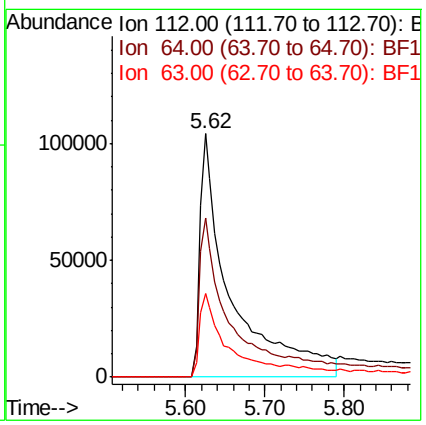


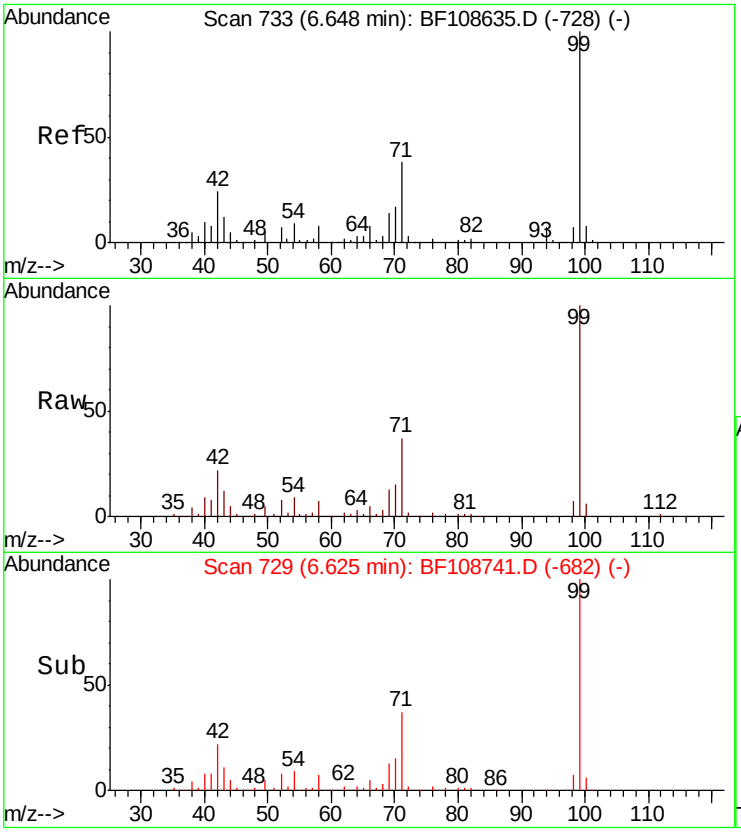




#5
2-Fluorophenol
Concen: 70.508 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:112 Resp: 286325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.3 | 47.9 | 71.9 |
| 63 | 34.4 | 23.7 | 35.5 |



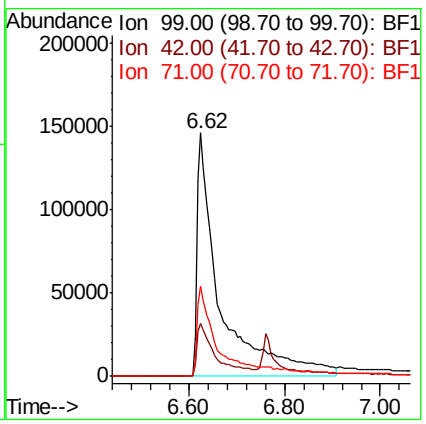


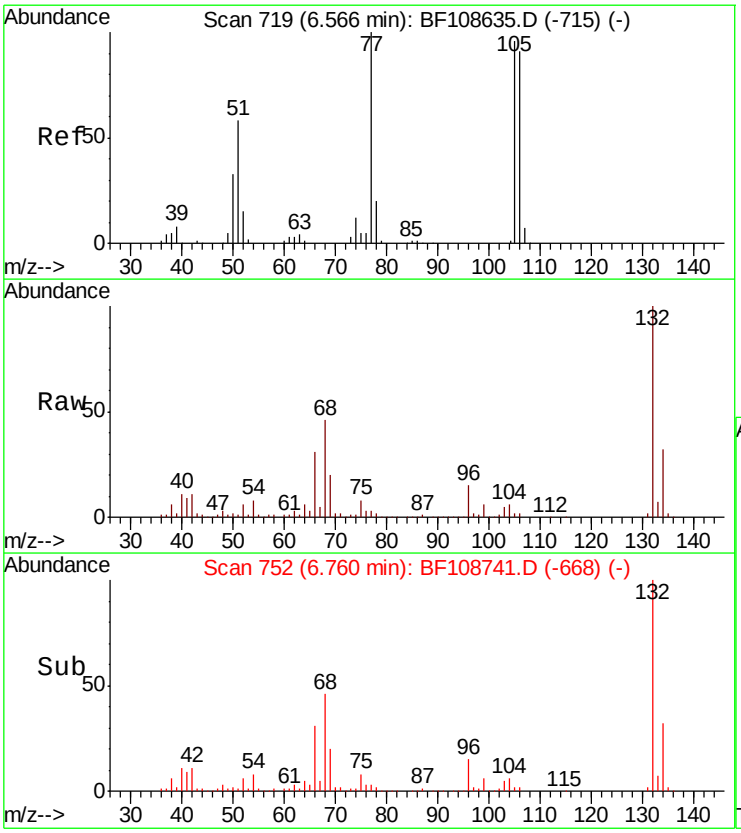

#7
Phenol-d6
Concen: 84.923 ng
RT: 6.62 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion: 99 Resp: 493934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.8 | 14.5 | 21.7# |
| 71 | 36.8 | 25.4 | 38.0 |

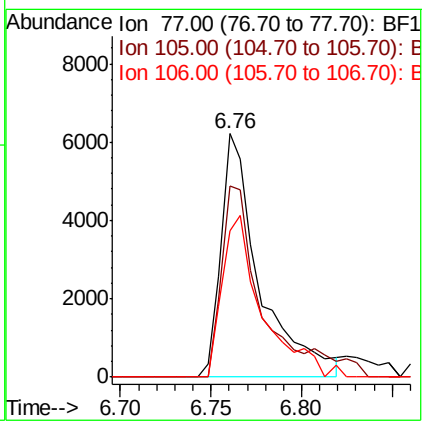


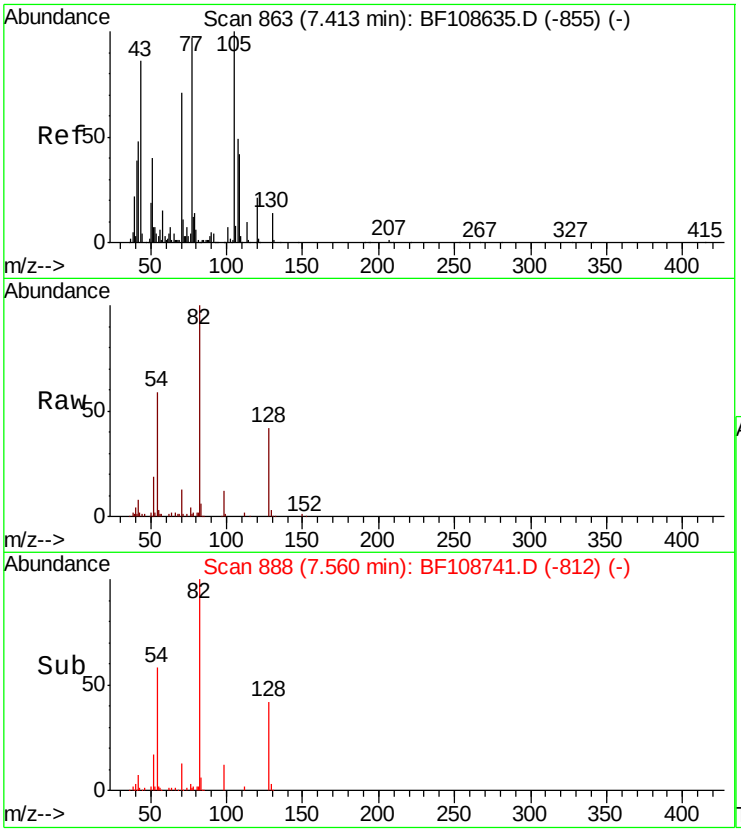




#9
Benzaldehyde
Concen: 2.563 ng
RT: 6.76 min Scan# 752
Delta R.T. 0.19 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion: 77 Resp: 9215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 78.5 | 81.1 | 121.1# |
| 106 | 60.2 | 74.5 | 114.5# |



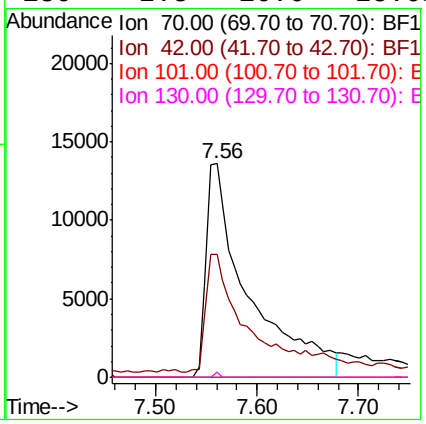


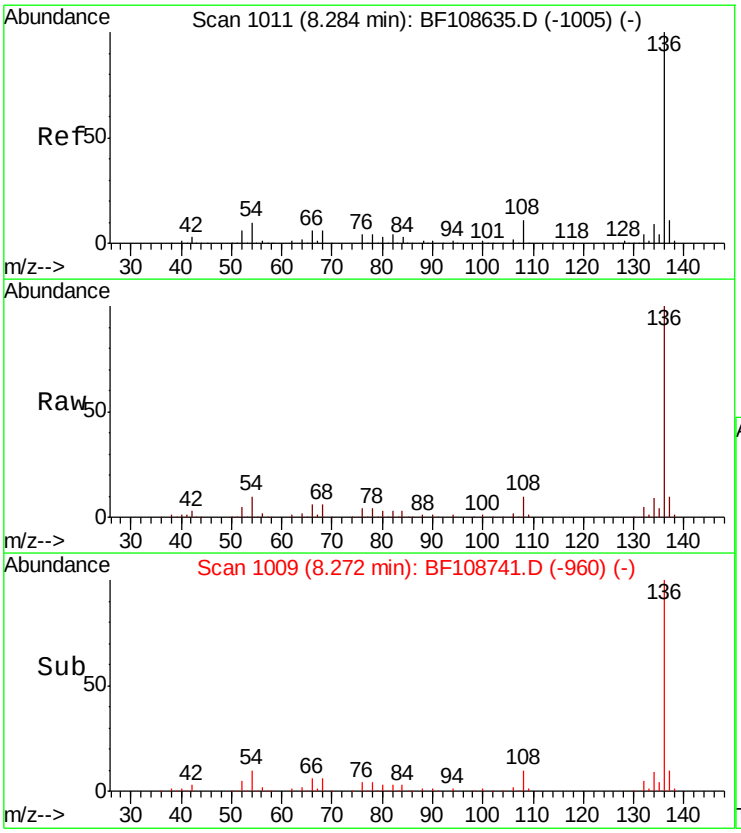

#19
n-Nitroso-di-n-propylamine
Concen: 10.162 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion: 70 Resp: 39580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.6 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.3 | 16.6 | 25.0# |

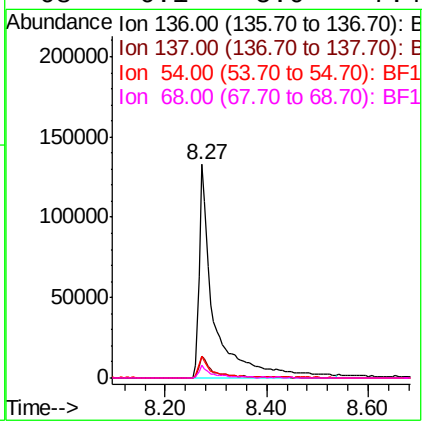


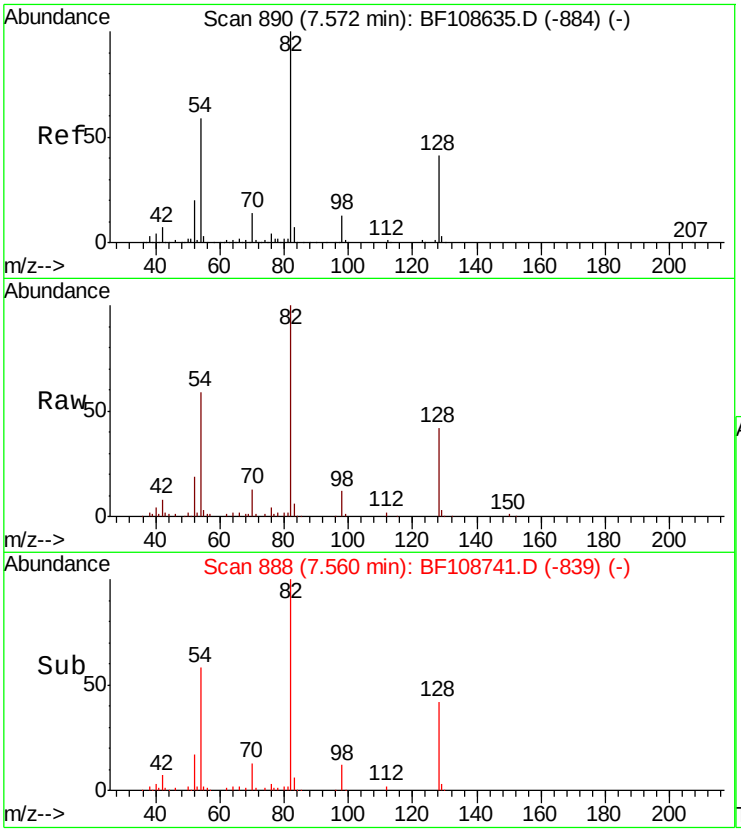




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:136 Resp: 272526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.9 | 13.3 |
| 54 | 10.3 | 6.6 | 9.8# |
| 68 | 6.1 | 5.0 | 7.4 |



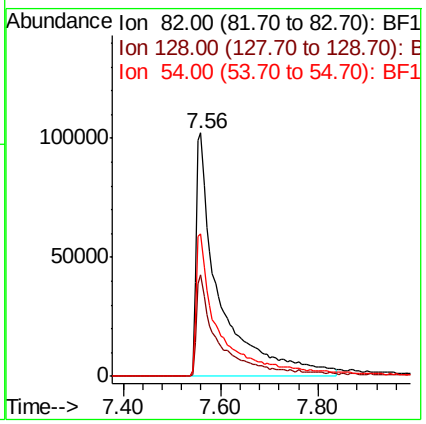


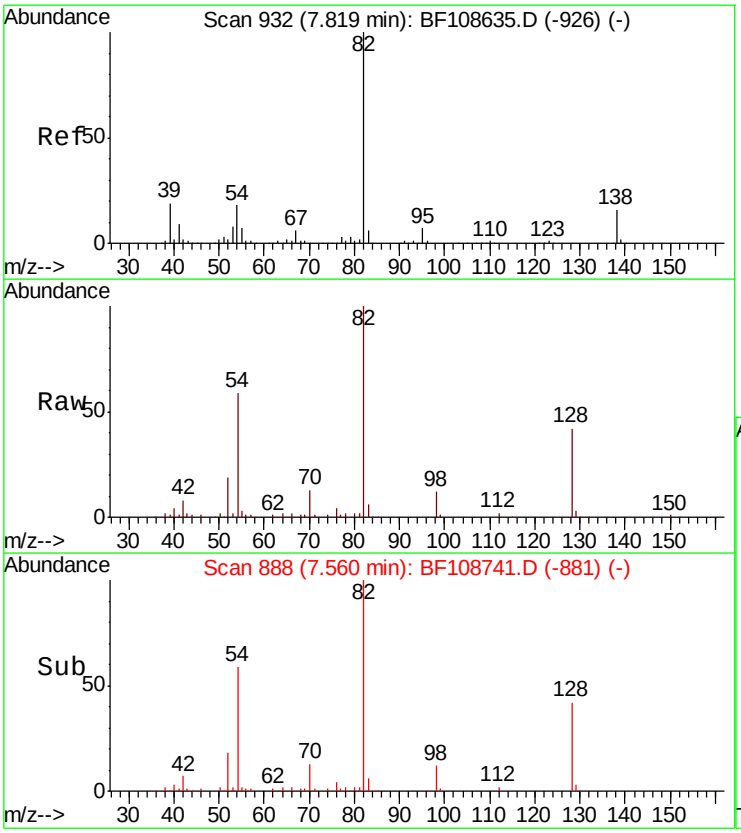

#23
Nitrobenzene-d5
Concen: 63.238 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion: 82 Resp: 339526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 36.1 | 54.1 |
| 54 | 58.7 | 41.4 | 62.2 |

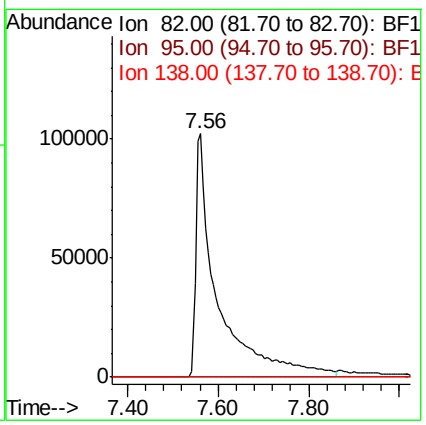


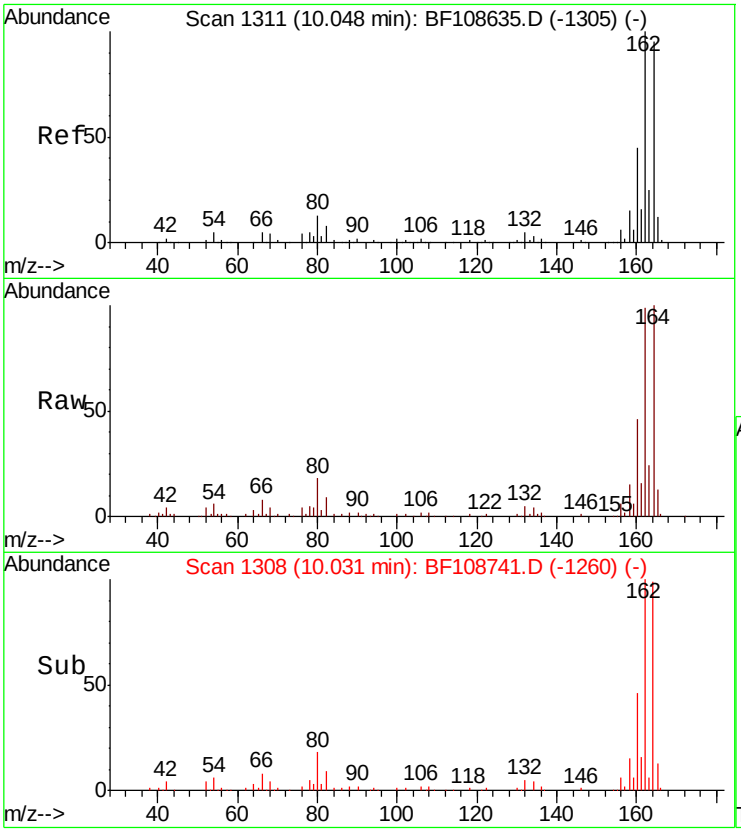




#25
Isophorone
Concen: 38.508 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion: 82 Resp: 343453

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



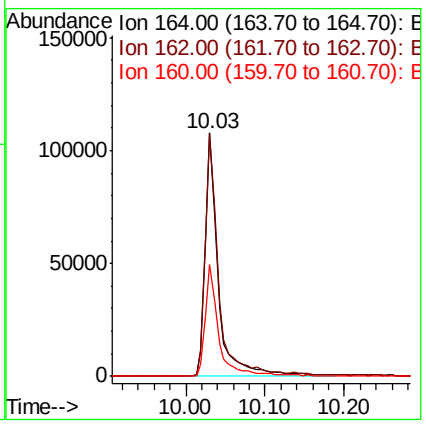


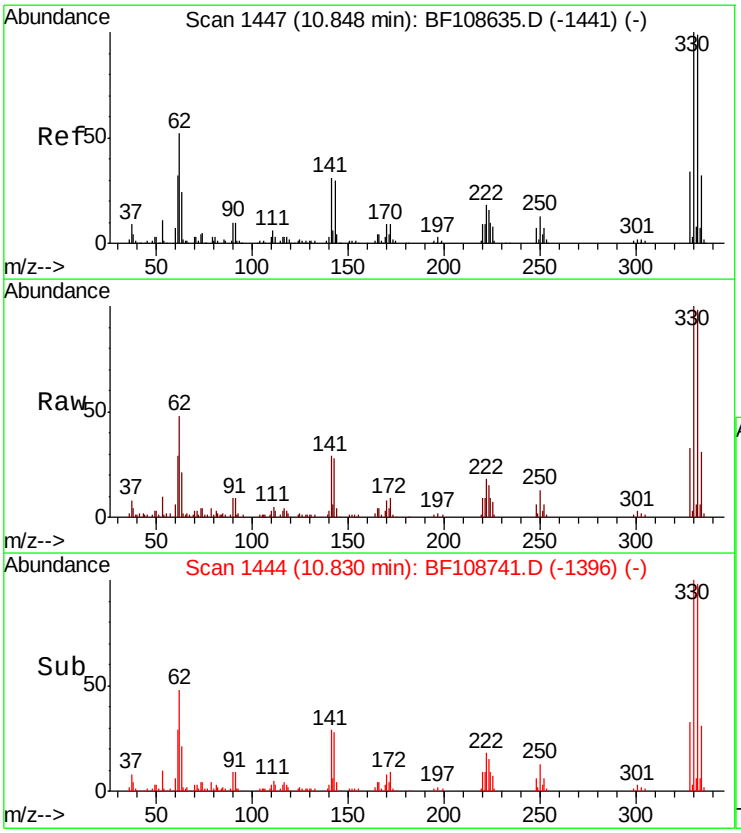

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:164 Resp: 127178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 86.1 | 129.1 |
| 160 | 46.0 | 38.3 | 57.5 |

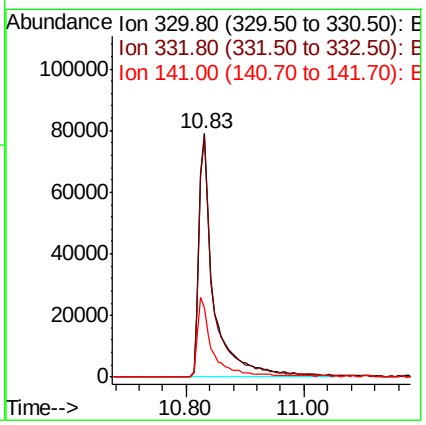


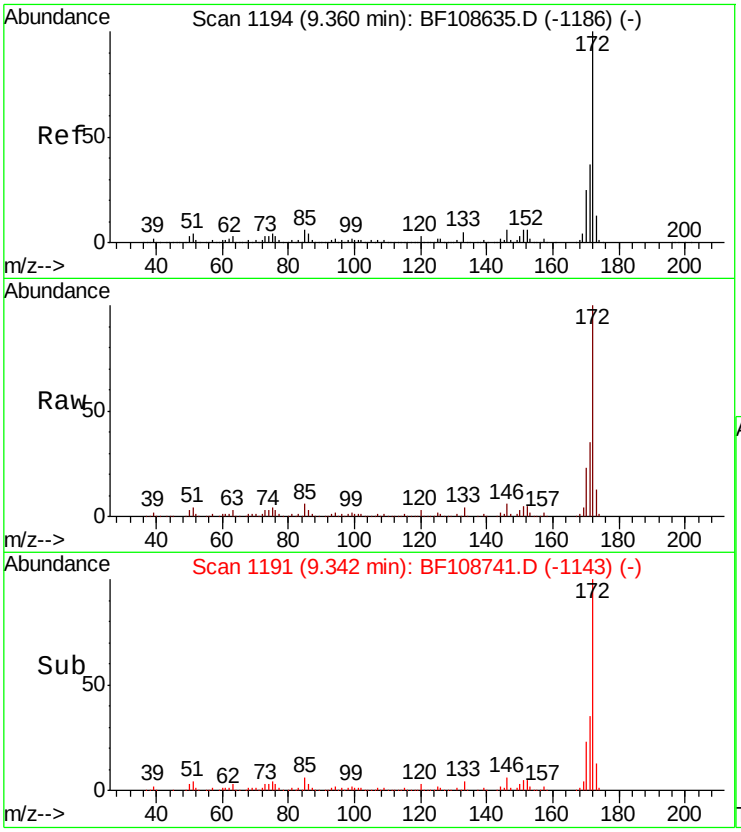




#41
2,4,6-Tribromophenol
Concen: 82.020 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:330 Resp: 137703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.0 | 115.6 |
| 141 | 32.8 | 29.9 | 44.9 |



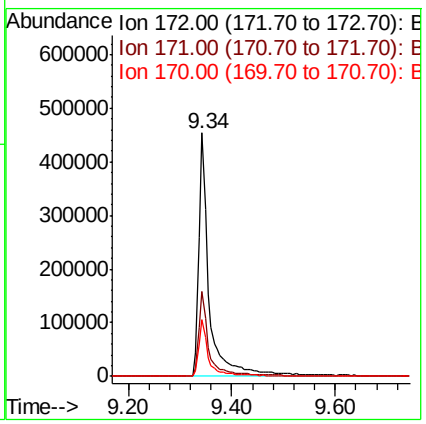


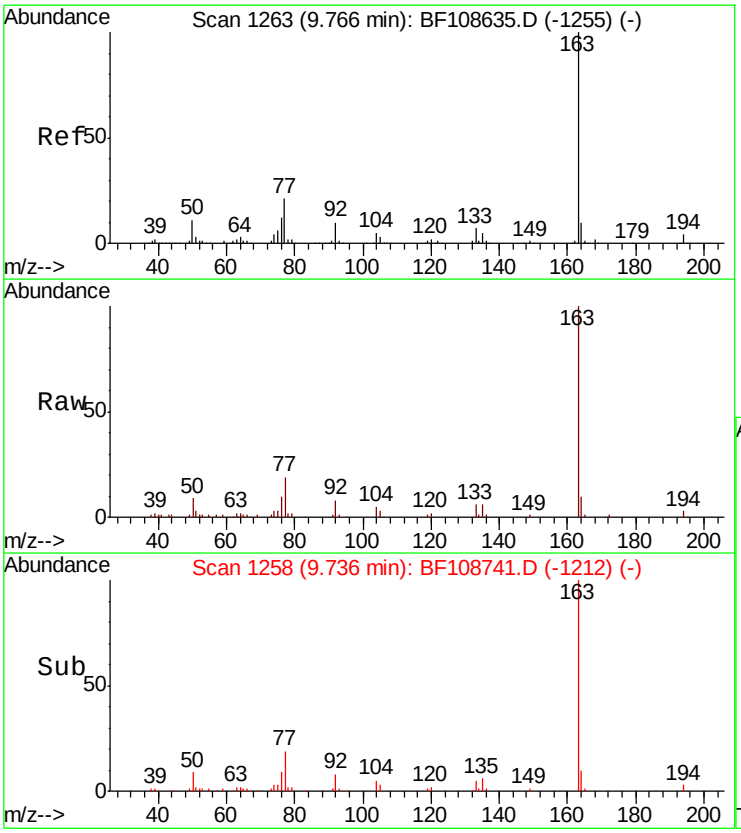

#44
2-Fluorobiphenyl
Concen: 67.260 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:172 Resp: 636183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 29.7 | 44.5 |
| 170 | 23.3 | 19.6 | 29.4 |

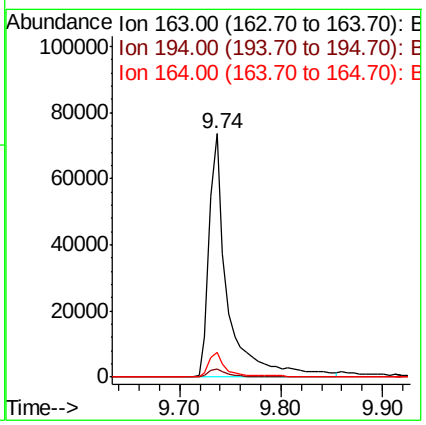


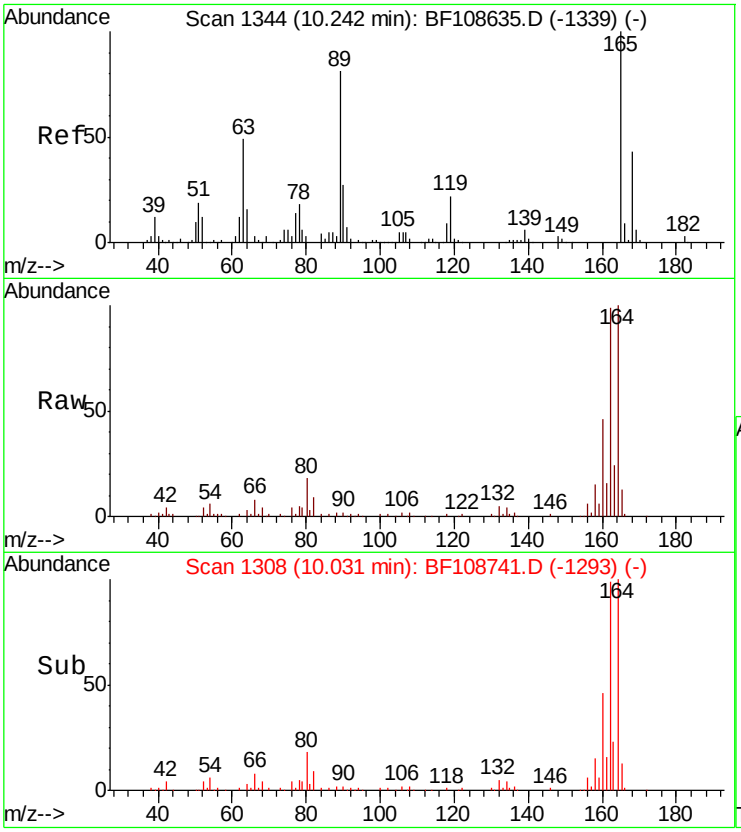




#49
Dimethylphthalate
Concen: 9.364 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:163 Resp: 93775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.7 | 4.1 |
| 164 | 10.0 | 8.2 | 12.2 |



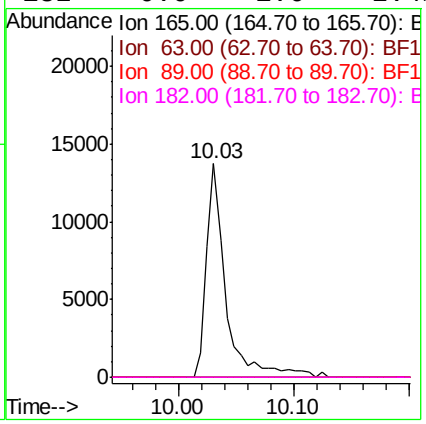


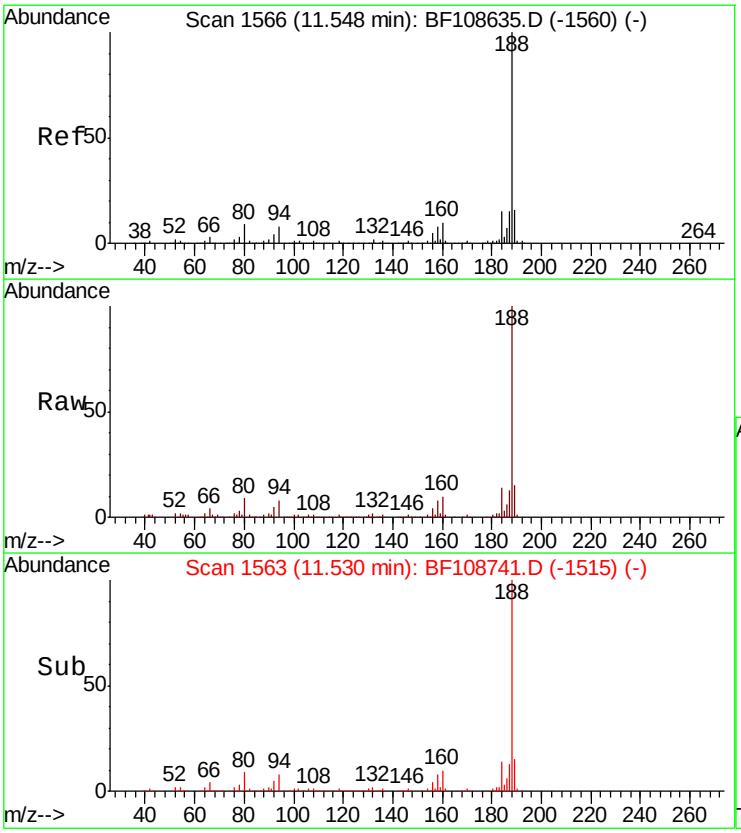

#56
2,4-Dinitrotoluene
Concen: 5.513 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:165 Resp: 16113

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

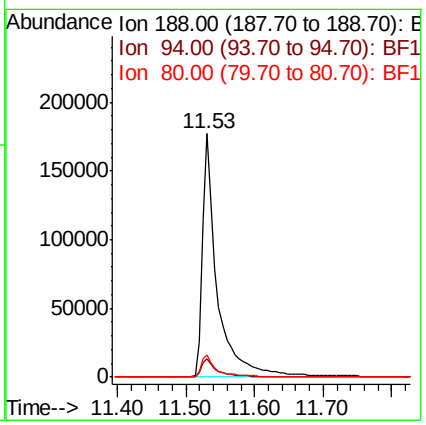


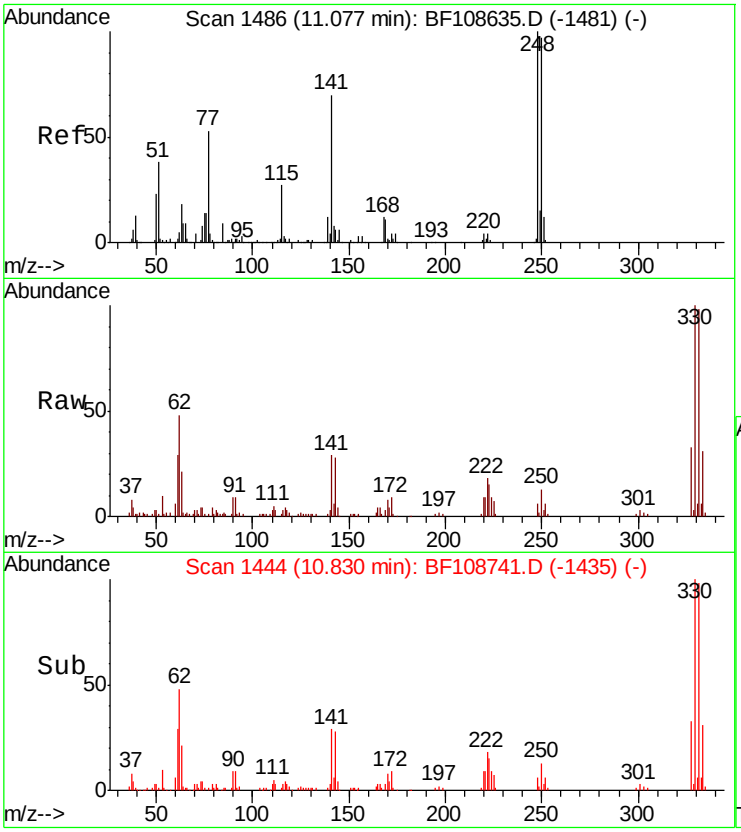




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:188 Resp: 273642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 8.5 | 12.7# |
| 80 | 8.9 | 9.2 | 13.8# |



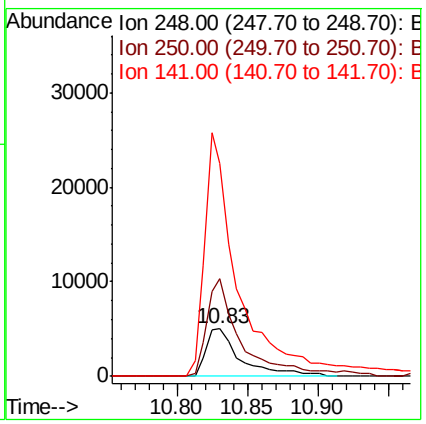


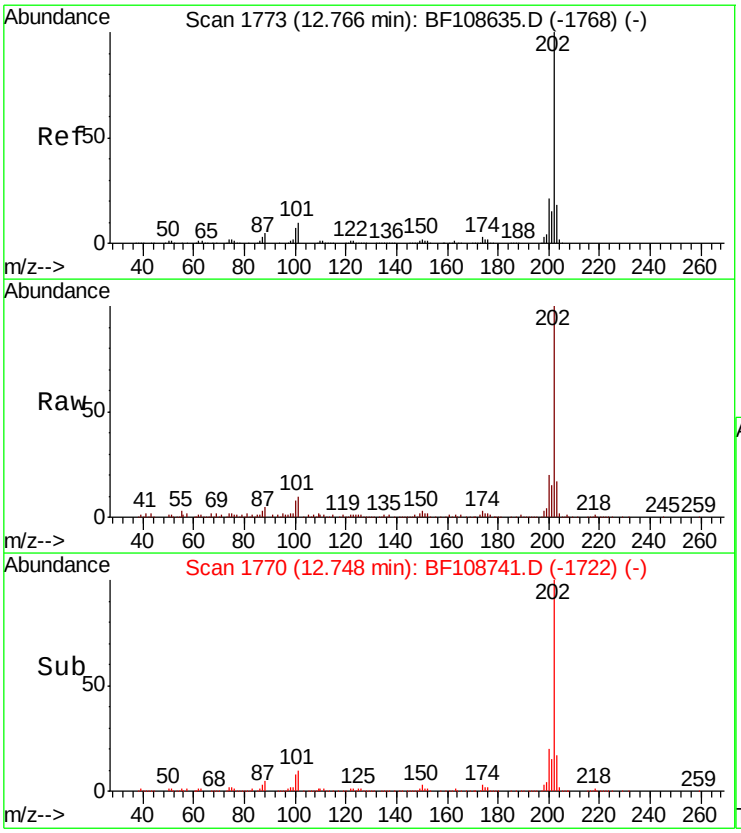

#66
4-Bromophenyl-phenylether
Concen: 2.548 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.25 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:248 Resp: 8569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 207.3 | 76.9 | 115.3# |
| 141 | 450.3 | 74.4 | 111.6# |

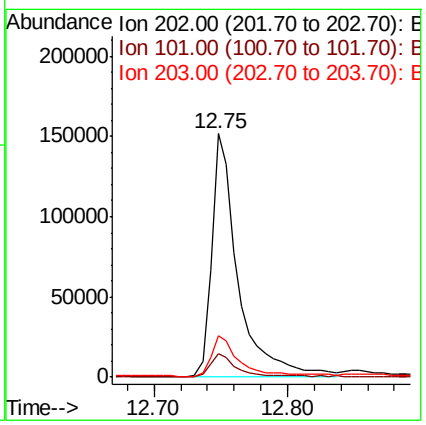


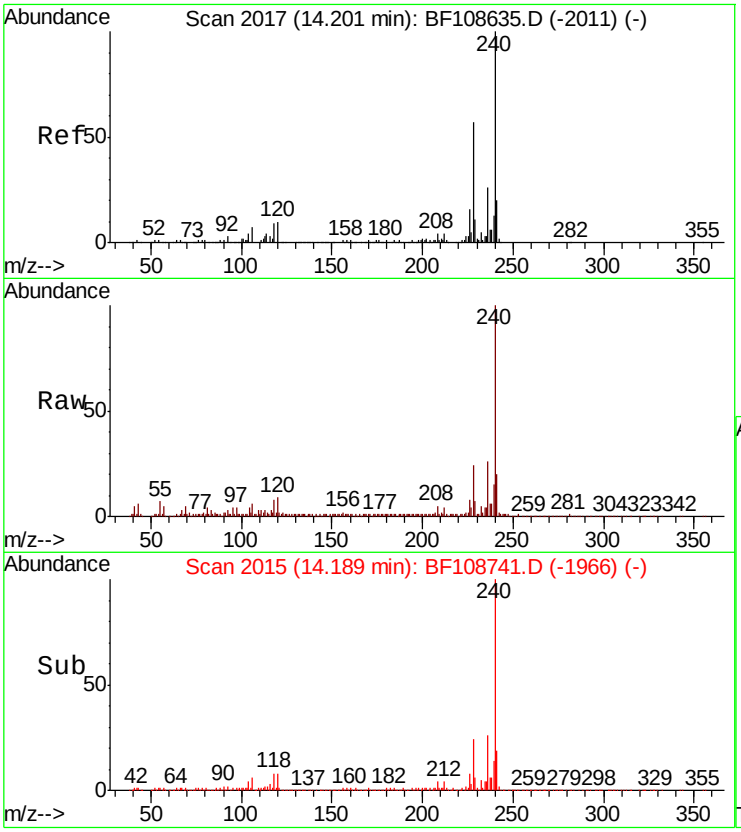




#74
Fluoranthene
Concen: 13.380 ng
RT: 12.75 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:202 Resp: 208020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 34.1 |
| 203 | 17.2 | 0.0 | 38.1 |



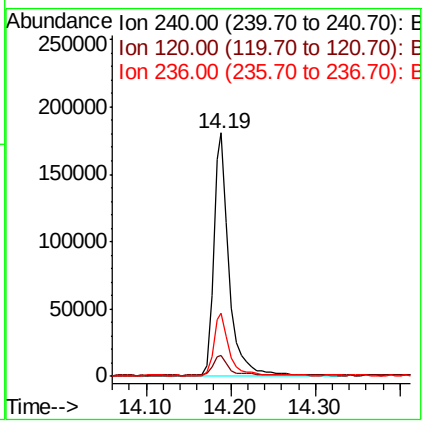


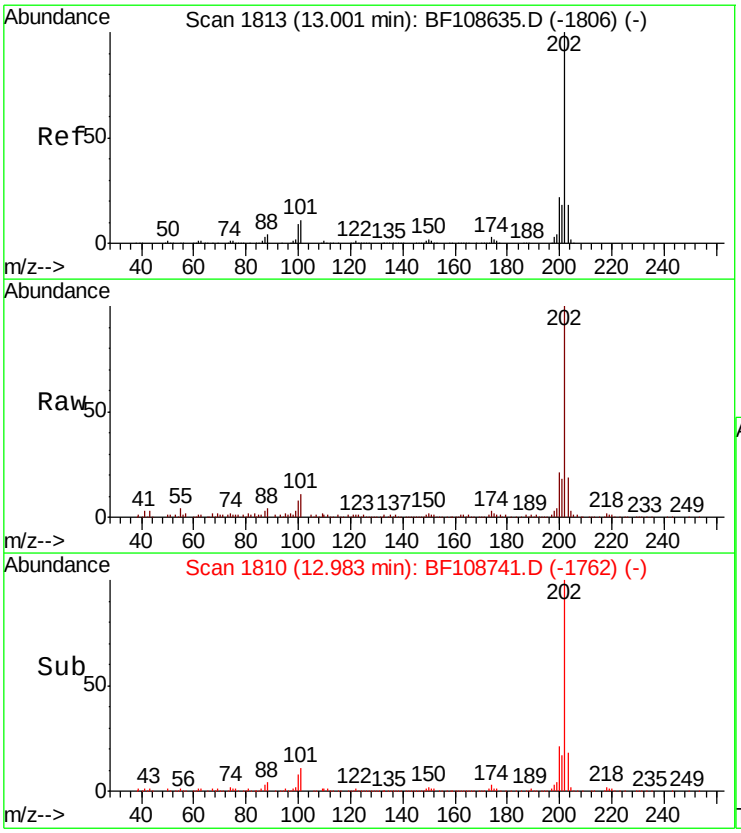

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:240 Resp: 231093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 9.5 | 14.3# |
| 236 | 26.0 | 20.7 | 31.1 |

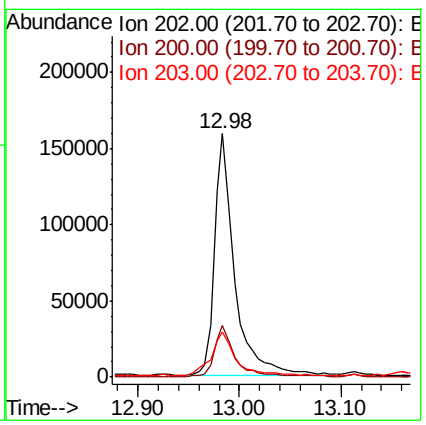


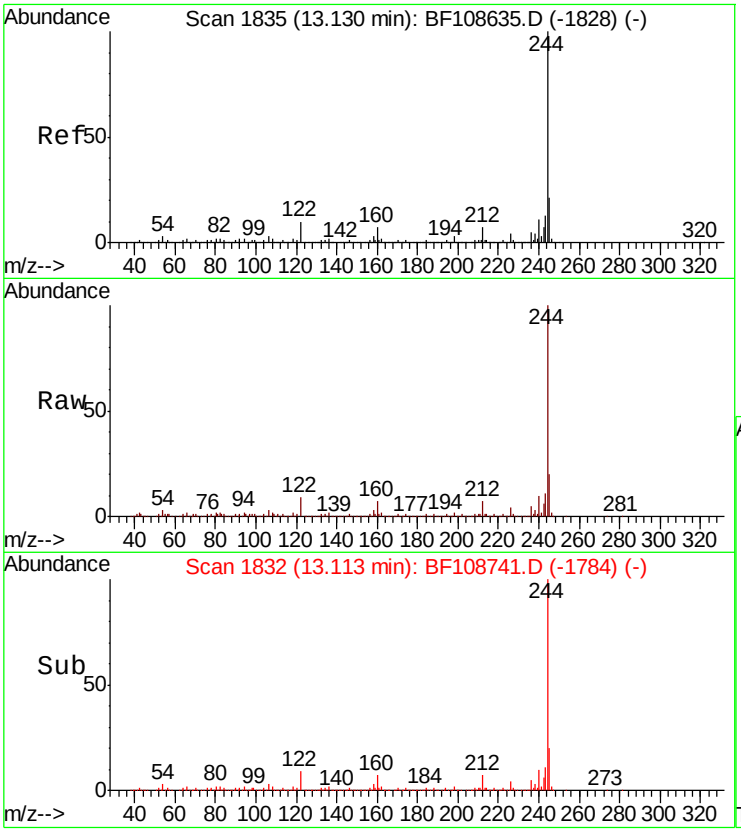




#77
Pyrene
Concen: 12.593 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:202 Resp: 218760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.4 | 26.2 |
| 203 | 18.8 | 14.3 | 21.5 |



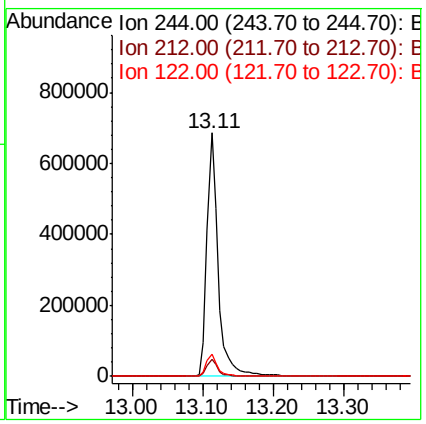


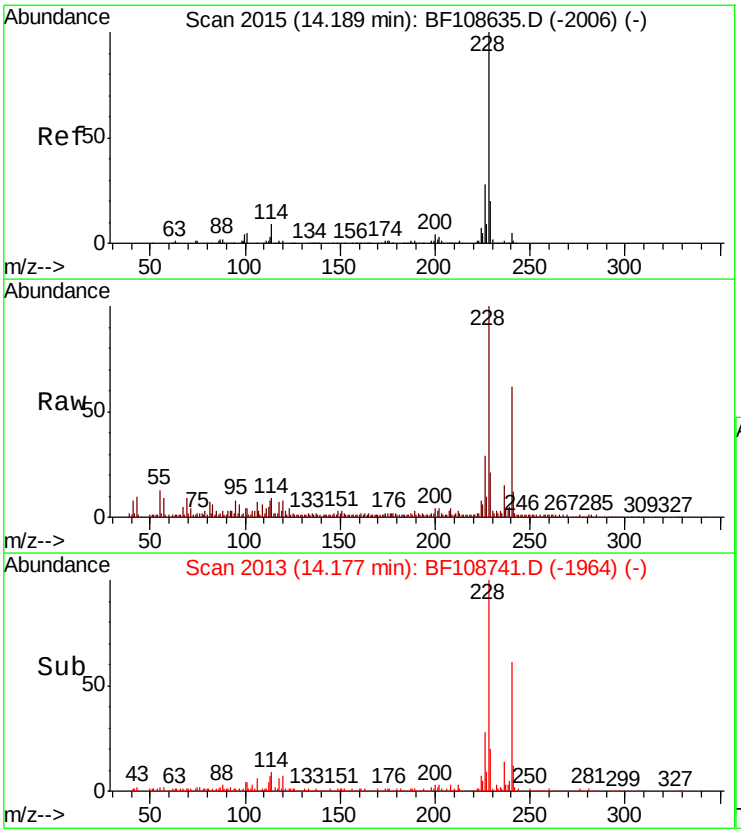

#78
Terphenyl-d14
Concen: 63.865 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:244 Resp: 759601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.0 |
| 122 | 9.2 | 11.0 | 16.4# |

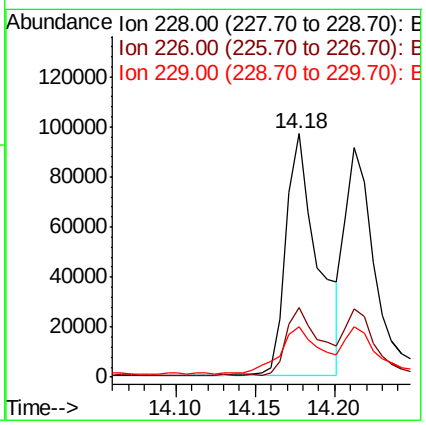


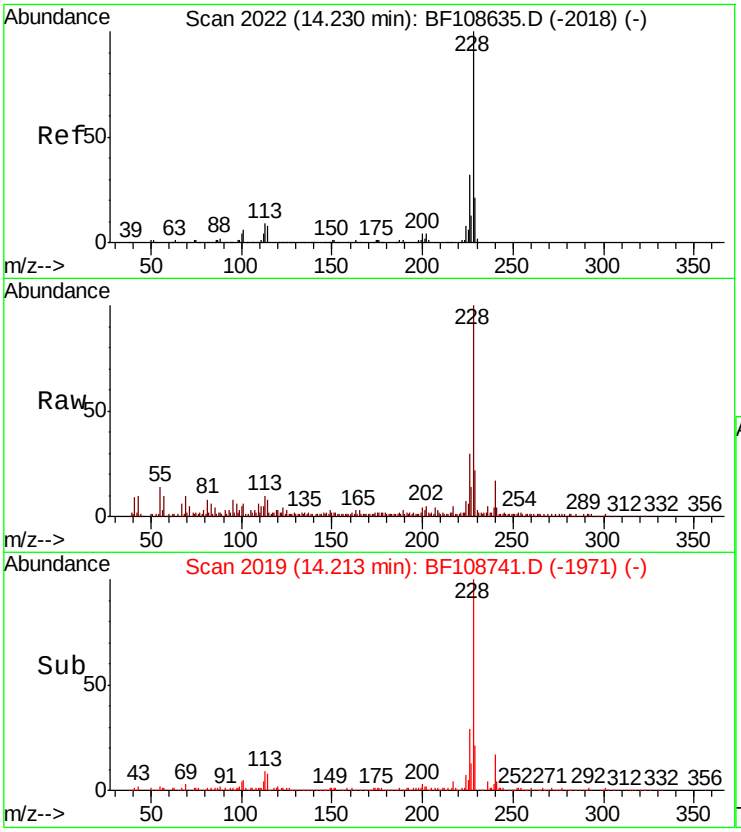




#80
Benzo(a)anthracene
Concen: 9.598 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:228 Resp: 135216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 22.6 | 33.8 |
| 229 | 20.8 | 15.8 | 23.6 |



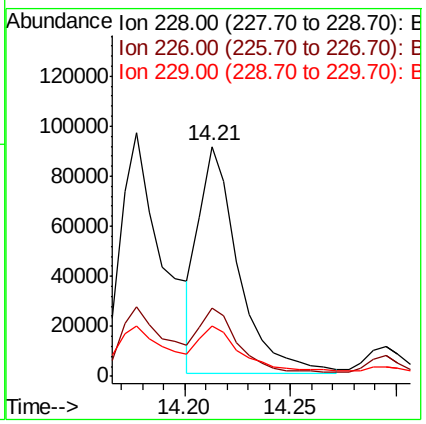


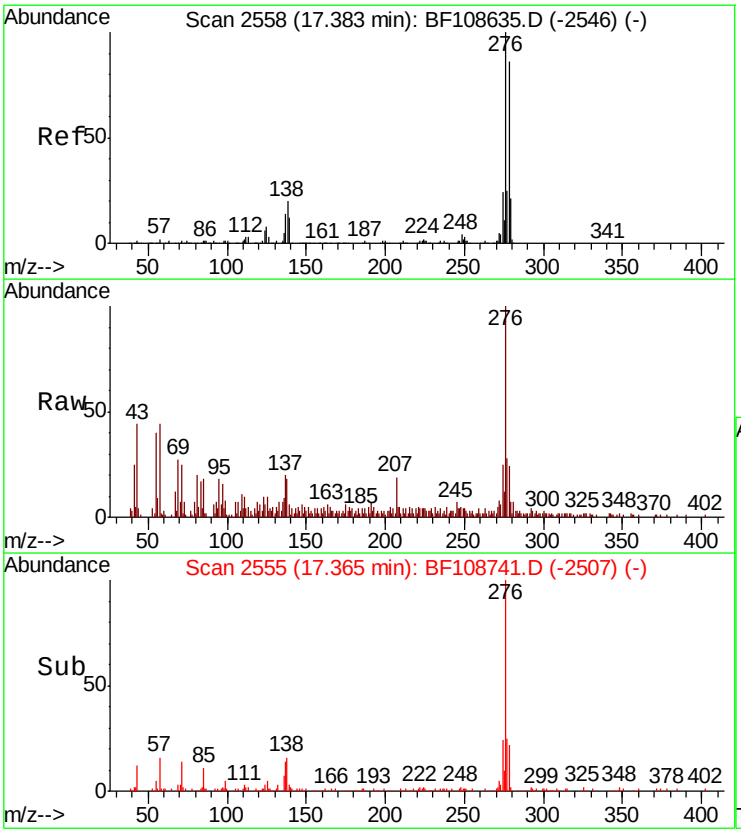

#82
Chrysene
Concen: 8.803 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:228 Resp: 119270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 25.0 | 37.6 |
| 229 | 22.0 | 16.2 | 24.4 |

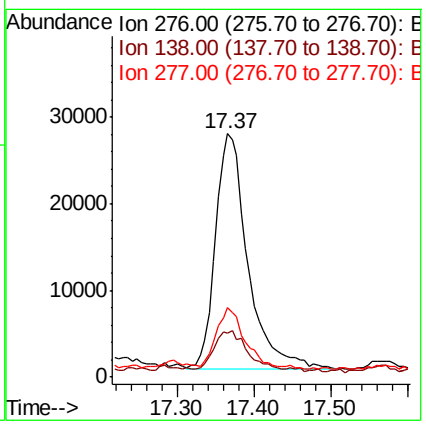


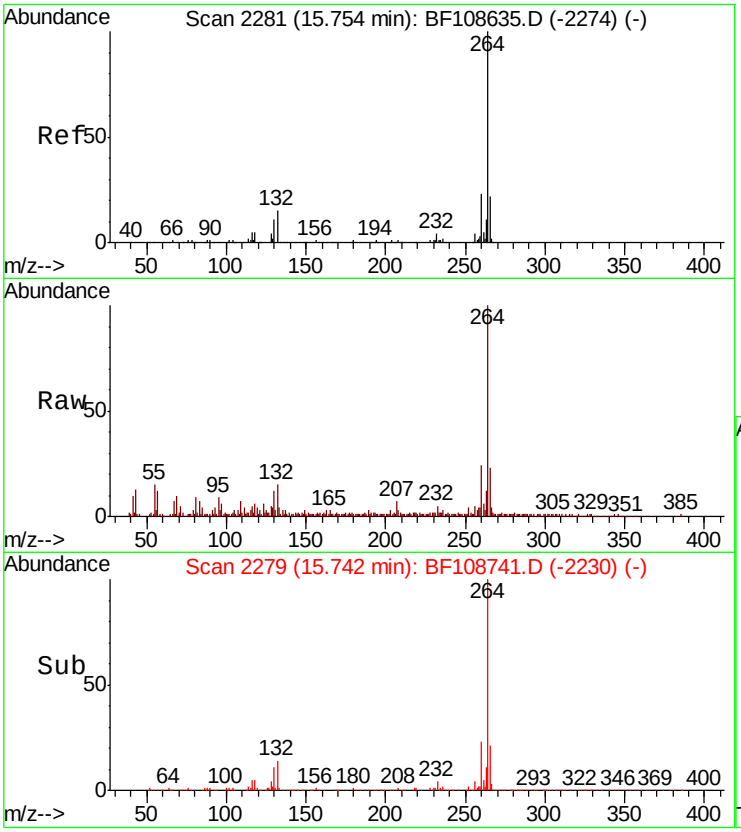




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.384 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:276 Resp: 78983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.2 | 25.0 | 37.6# |
| 277 | 21.1 | 20.1 | 30.1 |



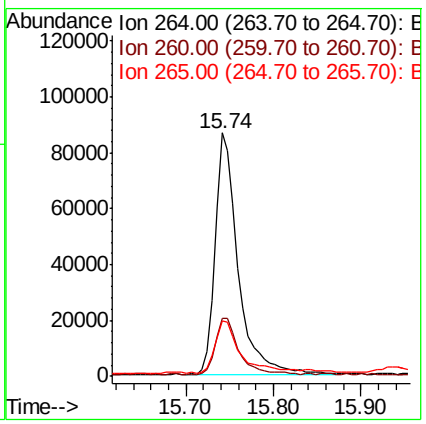


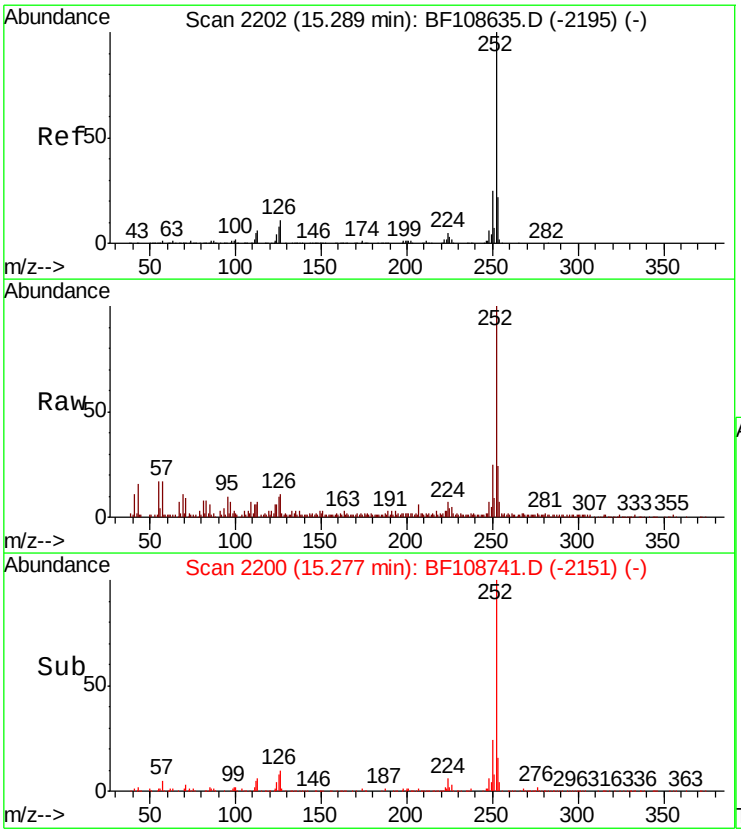

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:264 Resp: 156255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 22.6 | 17.5 | 26.3 |

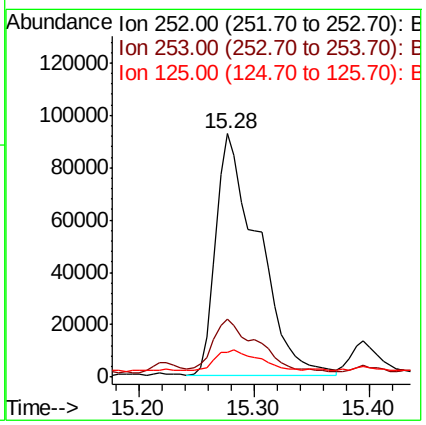


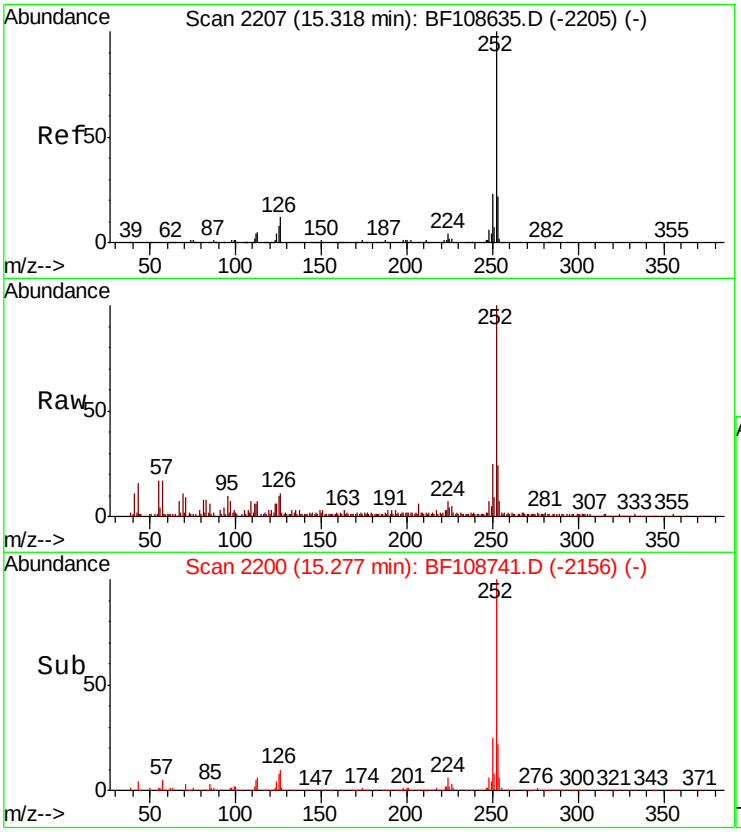




#87
Benzo(b)fluoranthene
Concen: 24.385 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:252 Resp: 234061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.0 | 25.6 |
| 125 | 10.2 | 9.0 | 13.6 |



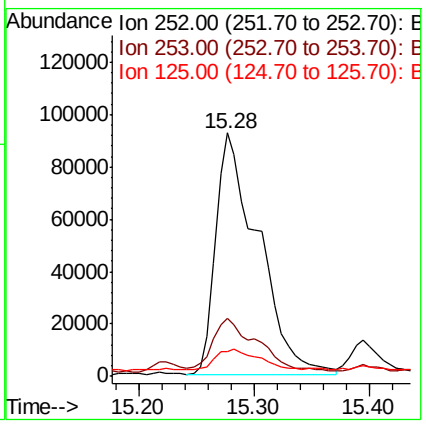


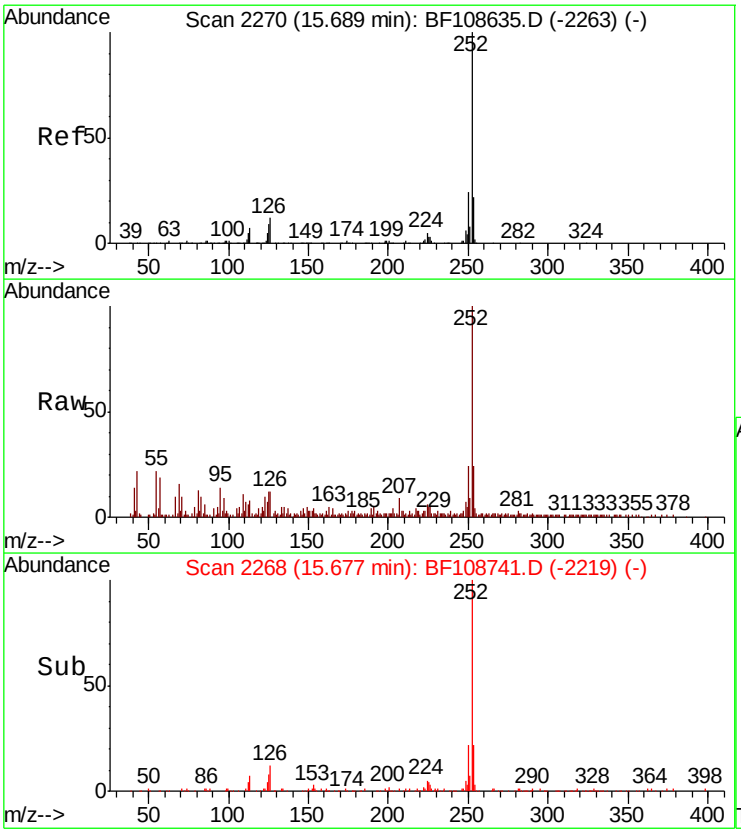

#88
Benzo(k)fluoranthene
Concen: 24.616 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:252 Resp: 234061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.9 | 26.9 |
| 125 | 10.2 | 10.2 | 15.2 |

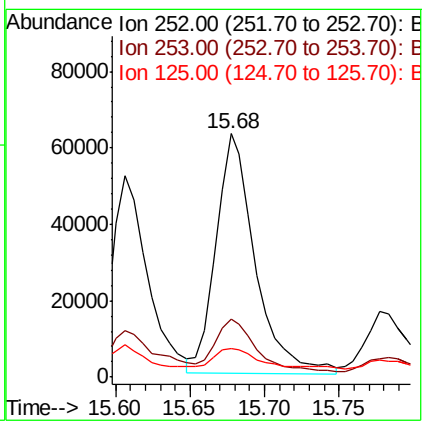


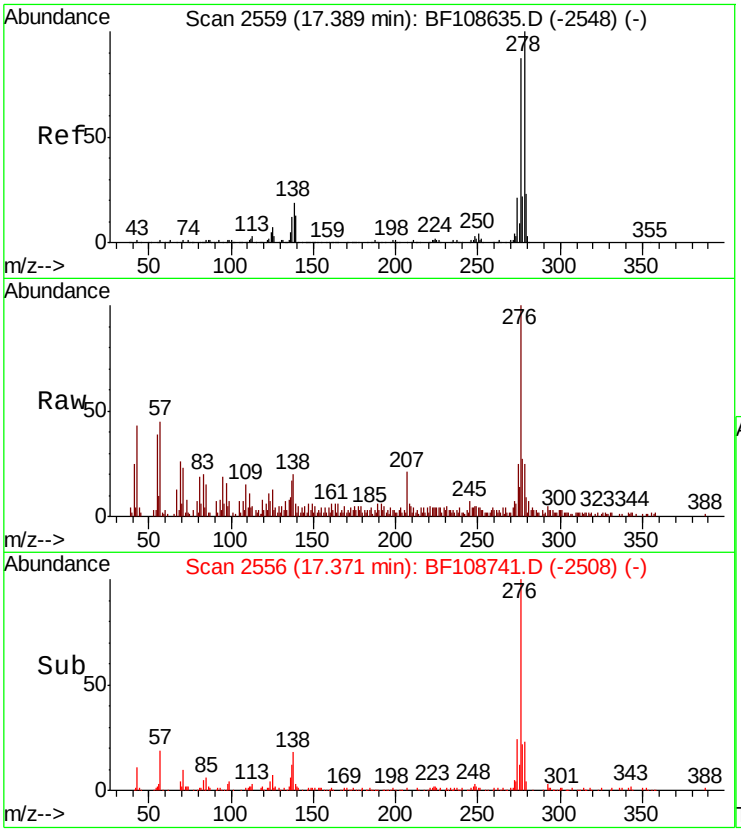




#89
Benzo(a)pyrene
Concen: 13.335 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:252 Resp: 115674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 17.1 | 25.7 |
| 125 | 11.9 | 9.8 | 14.6 |



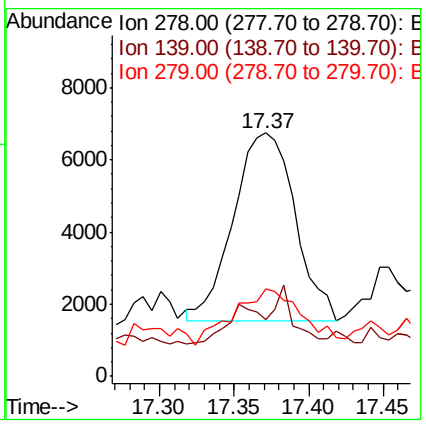


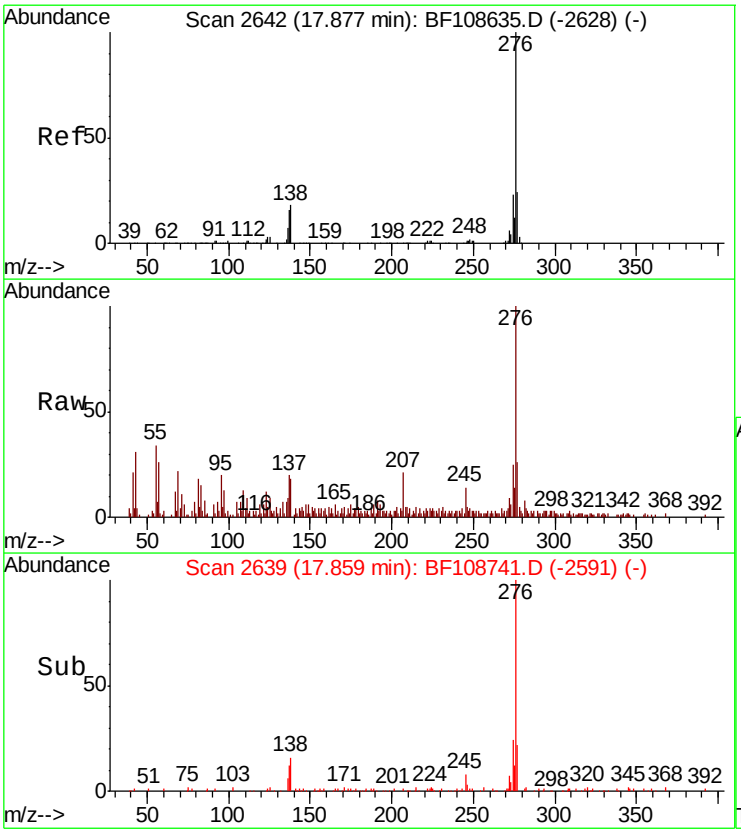

#90
Dibenzo(a,h)anthracene
Concen: 2.163 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

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

Tgt Ion:278 Resp: 14988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.5 | 15.9 | 23.9 |
| 279 | 35.9 | 19.0 | 28.4# |




#91
Benzo(g,h,i)perylene
Concen: 12.373 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:276 Resp: 83312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.6 | 17.9 | 26.9 |
| 138 | 18.3 | 21.8 | 32.8# |