Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
Data File : BF108303.D
Acq On : 20 Aug 2018 21:12
Operator : JU/SJ
Sample : J4274-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HD-02-081718

Quant Time: Aug 21 00:54:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.02 | 152 | 175339 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 632456 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.07 | 164 | 272069 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.57 | 188 | 464216 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.23 | 240 | 302228 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.79 | 264 | 256324 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 85423 | 8.82 | ng | | 0.00 |
| 7) Phenol-d6 | 6.63 | 99 | 115869 | 9.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 66749 | 5.89 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 20096 | 7.41 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.37 | 172 | 129310 | 7.63 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.14 | 244 | 106979 | 9.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 25) Isophorone | 7.57 | 82 | 66747 | 3.090 | ng | # | 64 |
| 31) Naphthalene | 8.32 | 128 | 136400 | 4.742 | ng | | 98 |
| 32) Benzoic acid | 8.08 | 122 | 330 | 6.026 | ng | # | 32 |
| 37) 2-Methylnaphthalene | 9.01 | 142 | 91991 | 4.520 | ng | | 99 |
| 48) Acenaphthylene | 9.92 | 152 | 161169 | 6.430 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.04 | 165 | 8048 | 2.030 | ng | # | 48 |
| 51) Acenaphthene | 10.10 | 154 | 331294 | 21.580 | ng | | 99 |
| 54) Dibenzofuran | 10.27 | 168 | 308990 | 13.892 | ng | | 99 |
| 55) 4-Nitrophenol | 10.27 | 139 | 119100 | 36.254 | ng | # | 10 |
| 57) Fluorene | 10.61 | 166 | 427192 | 24.263 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.92 | 198 | 543 | 5.635 | ng | # | 52 |
| 70) Phenanthrene | 11.60 | 178 | 3430849 | 156.692 | ng | | 93 |
| 71) Anthracene | 11.64 | 178 | 1257609 | 56.040 | ng | | 99 |
| 72) Carbazole | 11.79 | 167 | 263901 | 13.236 | ng | | 99 |
| 74) Fluoranthene | 12.80 | 202 | 4757479 | 199.090 | ng | | 94 |
| 77) Pyrene | 13.04 | 202 | 4095481 | 214.040 | ng | # | 91 |
| 80) Benzo(a)anthracene | 14.22 | 228 | 2220189 | 128.003 | ng | | 96 |
| 82) Chrysene | 14.26 | 228 | 1631328 | 102.589 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.43 | 276 | 804624 | 58.399 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 15.33 | 252 | 2580610 | 168.487 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 15.33 | 252 | 2580610 | 183.288 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.66 | 252 | 865350 | 63.093 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.44 | 278 | 208301 | 18.355 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 17.93 | 276 | 714758 | 63.964 | ng | # | 91 |

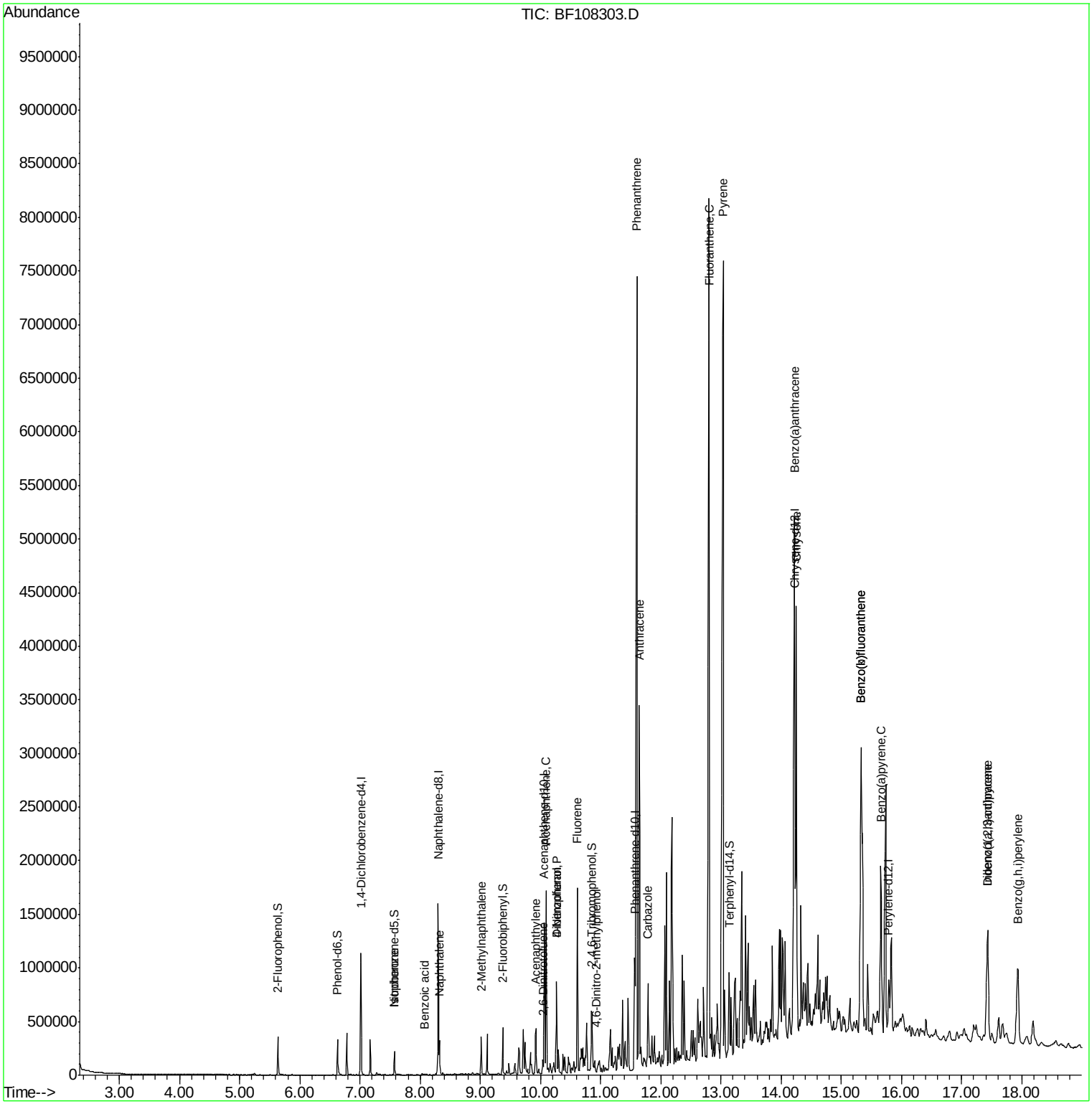
(#) = qualifier out of range (m) = manual integration (+) = signals summed

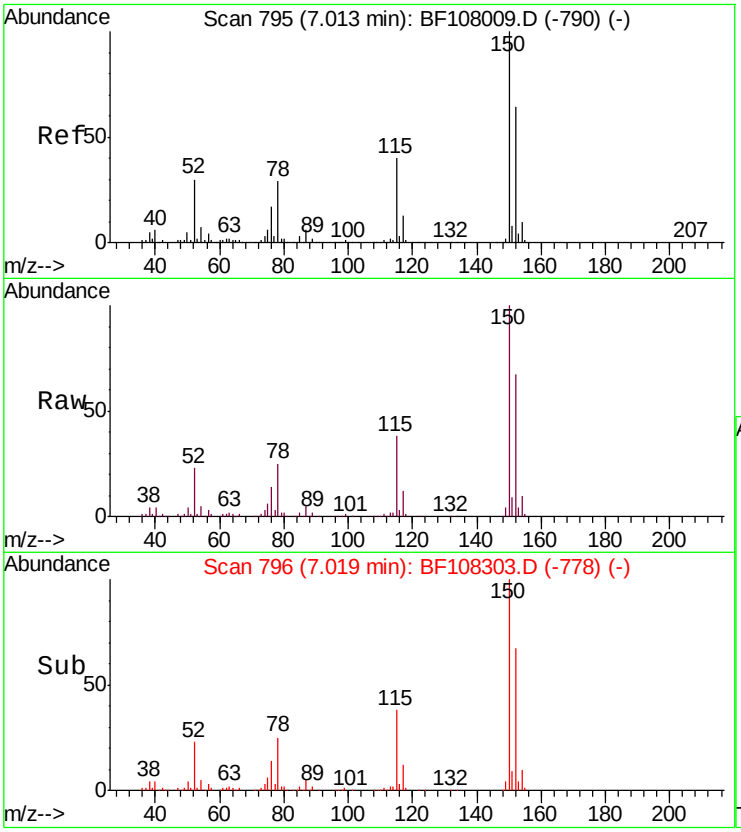
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
Data File : BF108303.D
Acq On : 20 Aug 2018 21:12
Operator : JU/SJ
Sample : J4274-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Quant Time: Aug 21 00:54:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration



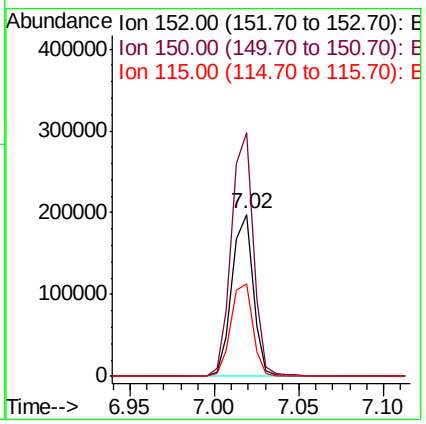


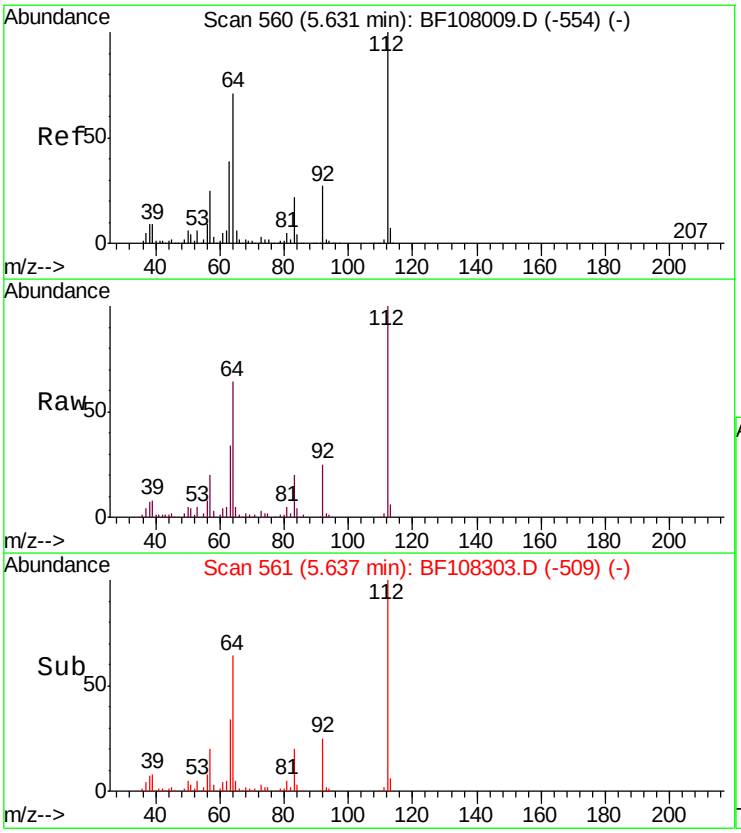

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:152 Resp: 175339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.0 | 124.6 | 186.8 |
| 115 | 56.8 | 50.1 | 75.1 |

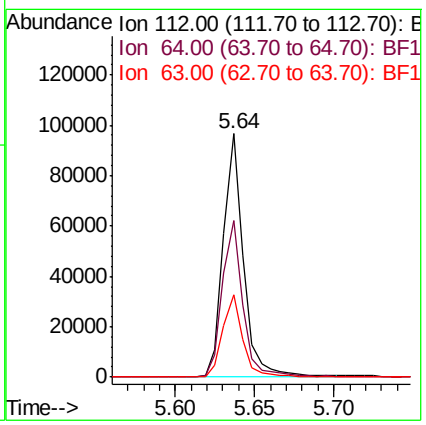


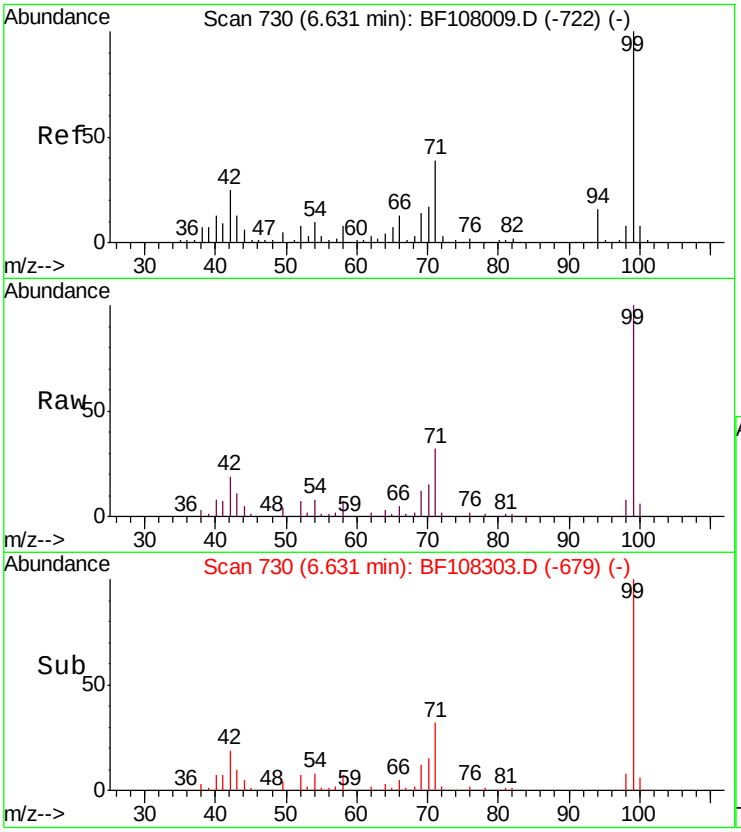




#5
2-Fluorophenol
Concen: 8.820 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:112 Resp: 85423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.3 | 47.9 | 71.9 |
| 63 | 33.6 | 23.7 | 35.5 |



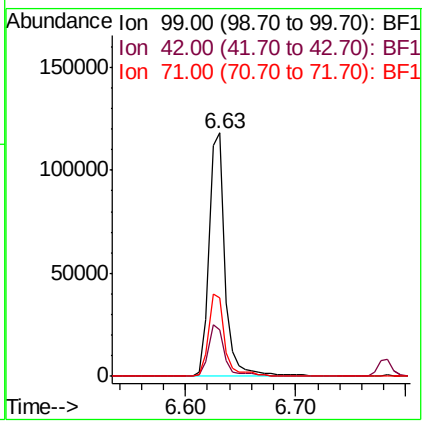


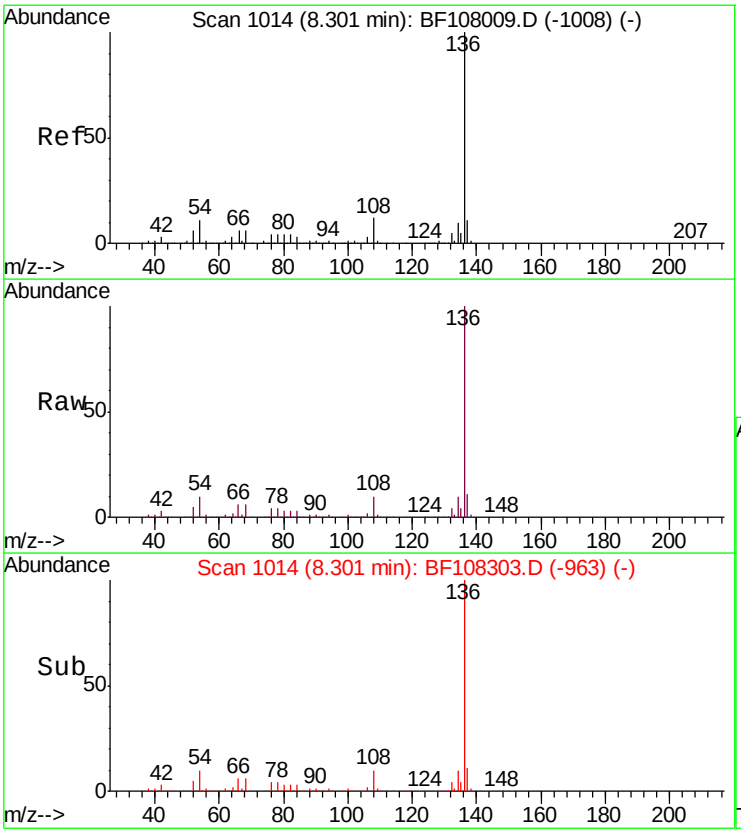

#7
Phenol-d6
Concen: 9.003 ng
RT: 6.63 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion: 99 Resp: 115869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 14.5 | 21.7 |
| 71 | 32.5 | 25.4 | 38.0 |

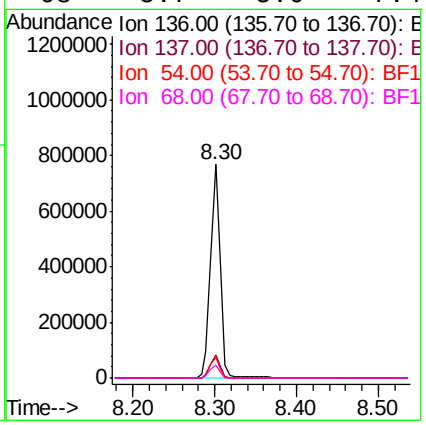


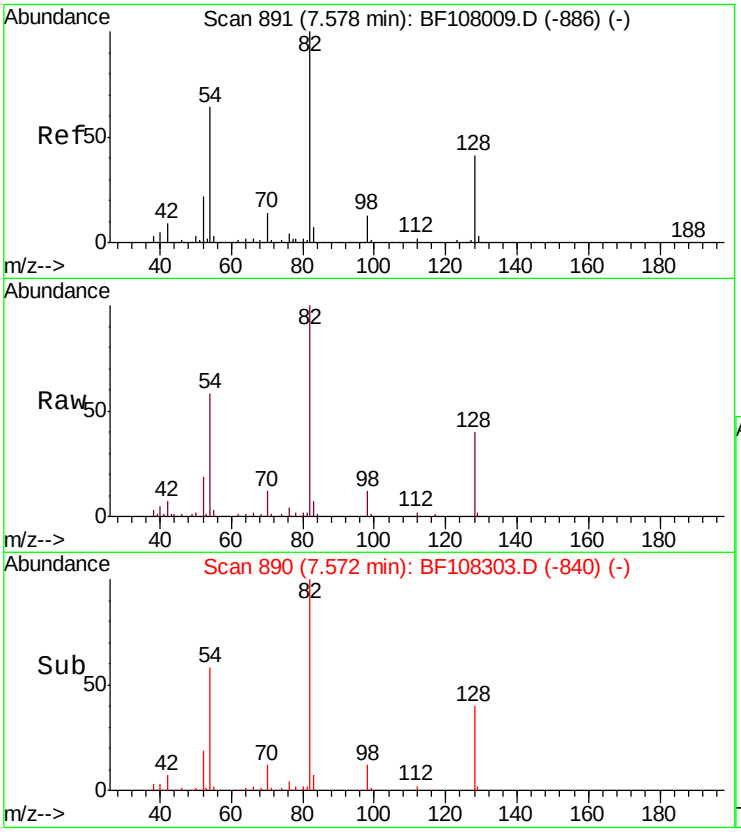




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:136 Resp: 632456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 9.6 | 6.6 | 9.8 |
| 68 | 5.7 | 5.0 | 7.4 |



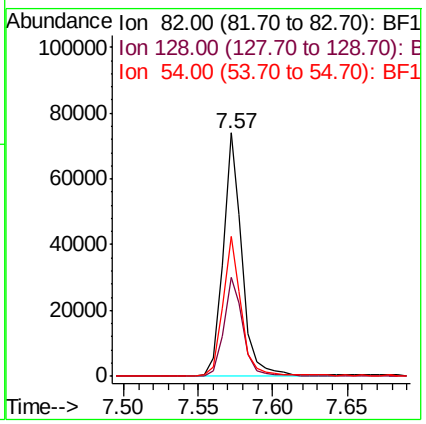


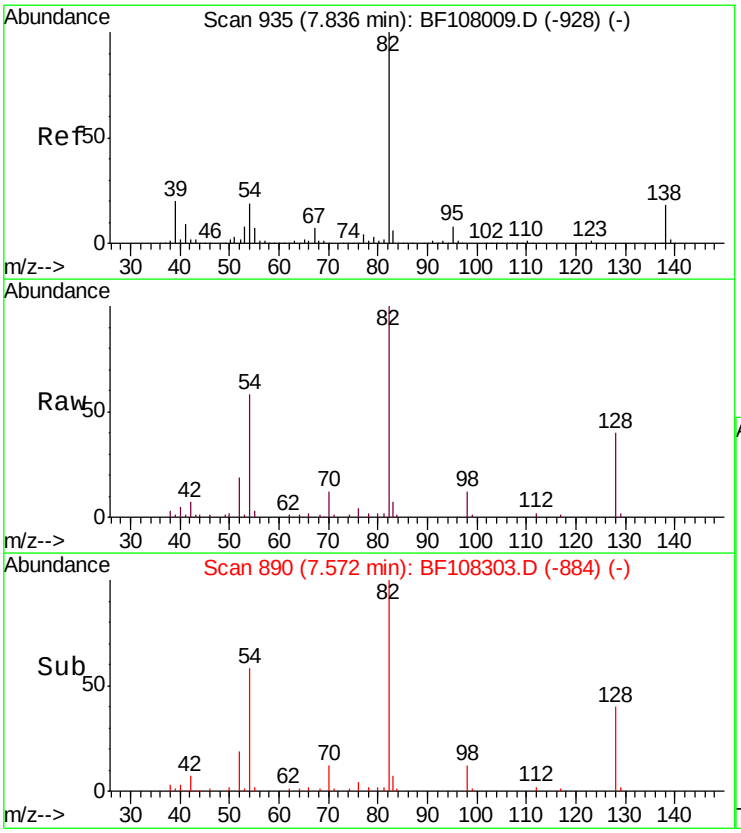

#23
Nitrobenzene-d5
Concen: 5.889 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion: 82 Resp: 66749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.4 | 36.1 | 54.1 |
| 54 | 57.7 | 41.4 | 62.2 |

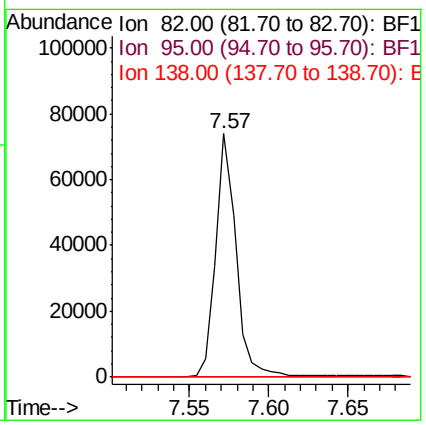


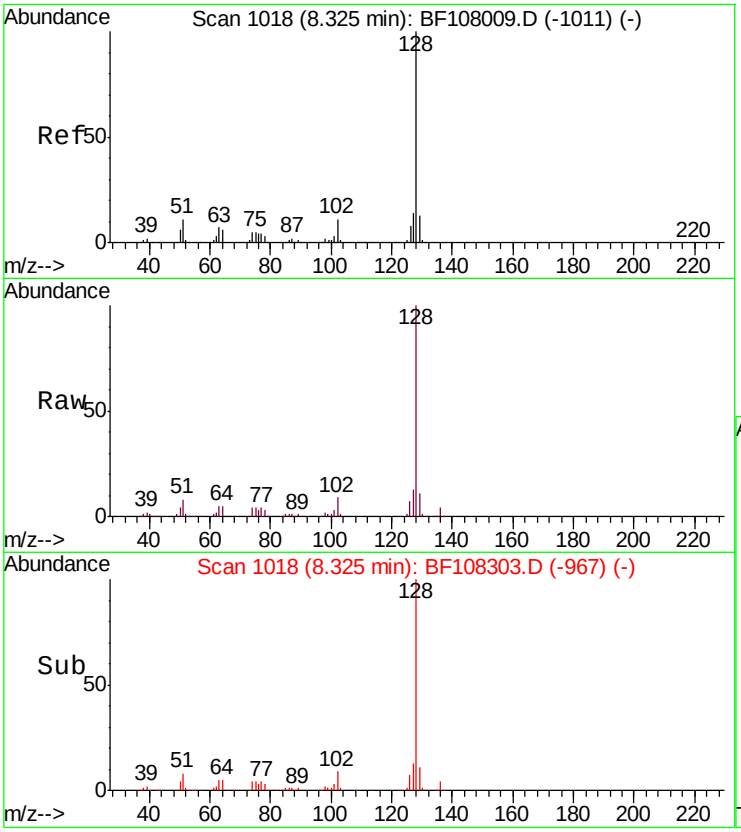




#25
Isophorone
Concen: 3.090 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion: 82 Resp: 66747

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



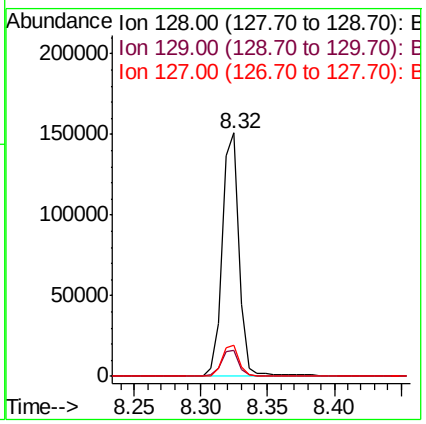


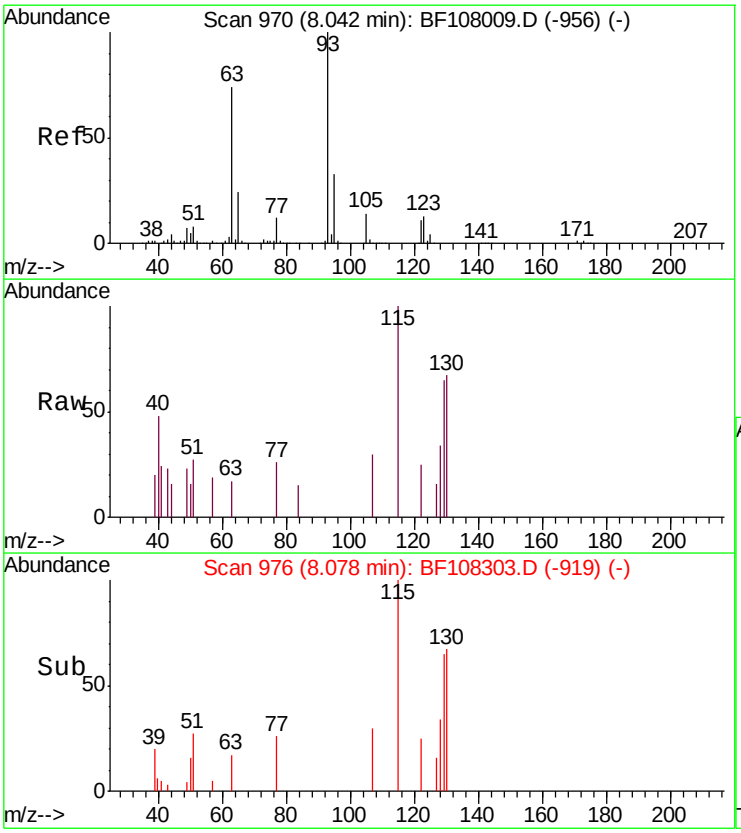

#31
Naphthalene
Concen: 4.742 ng
RT: 8.32 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:128 Resp: 136400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.8 | 13.2 |
| 127 | 12.7 | 10.9 | 16.3 |

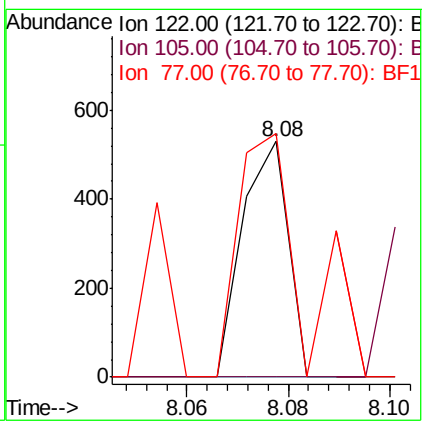


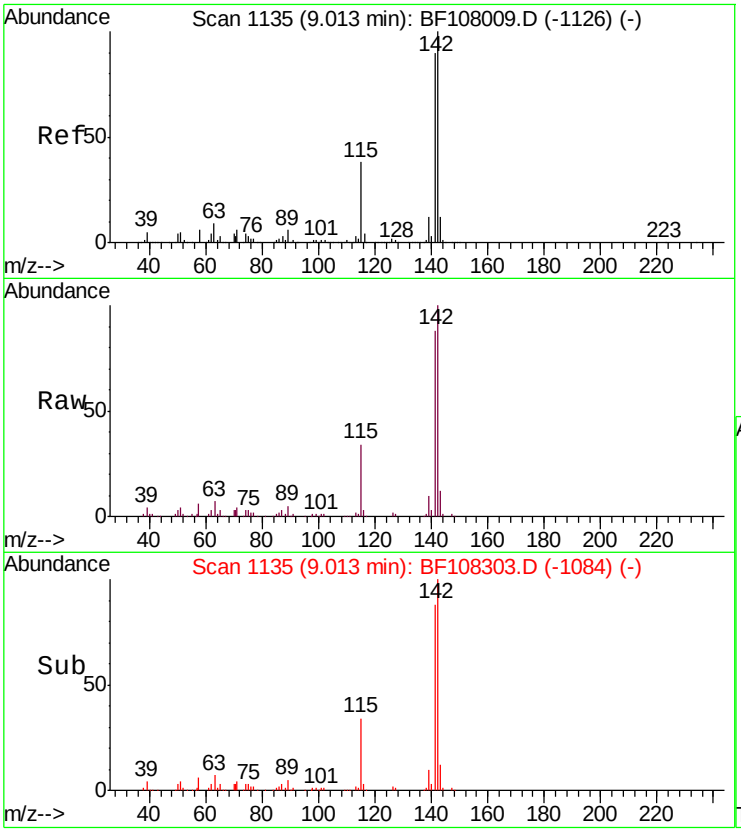




#32
Benzoic acid
Concen: 6.026 ng
RT: 8.08 min Scan# 976
Delta R.T. 0.04 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:122 Resp: 330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 101.1 | 141.1# |
| 77 | 103.2 | 70.7 | 110.7 |



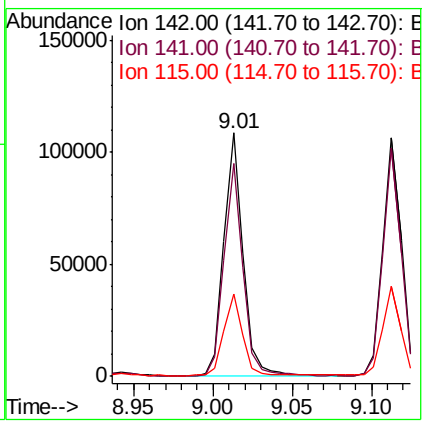


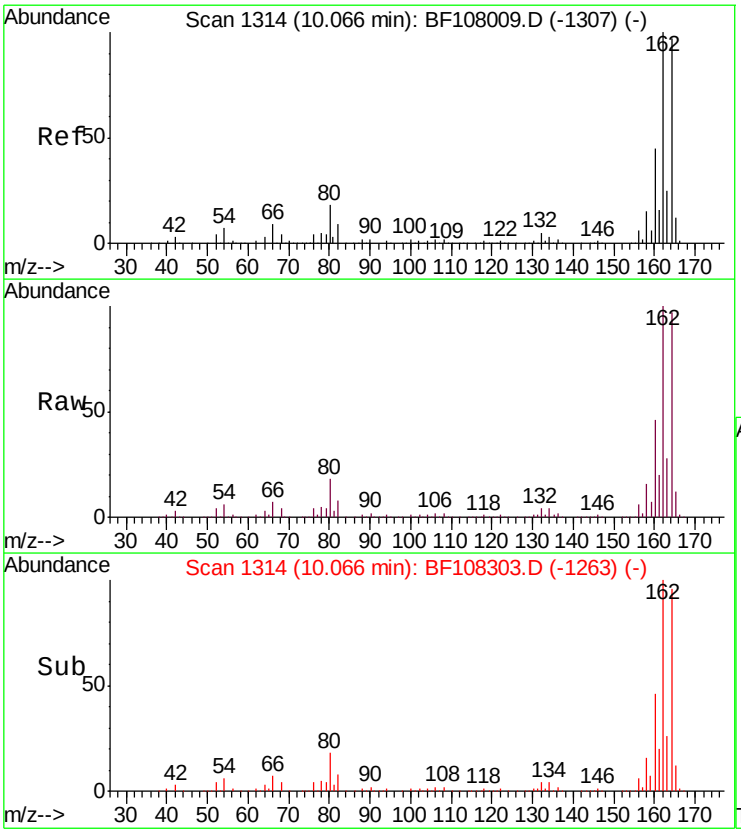

#37
2-Methylnaphthalene
Concen: 4.520 ng
RT: 9.01 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:142 Resp: 91991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.8 | 106.2 |
| 115 | 33.6 | 26.1 | 39.1 |

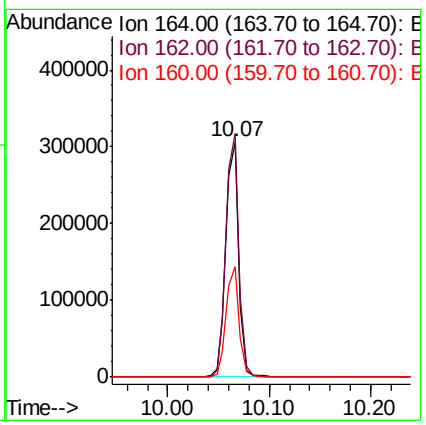


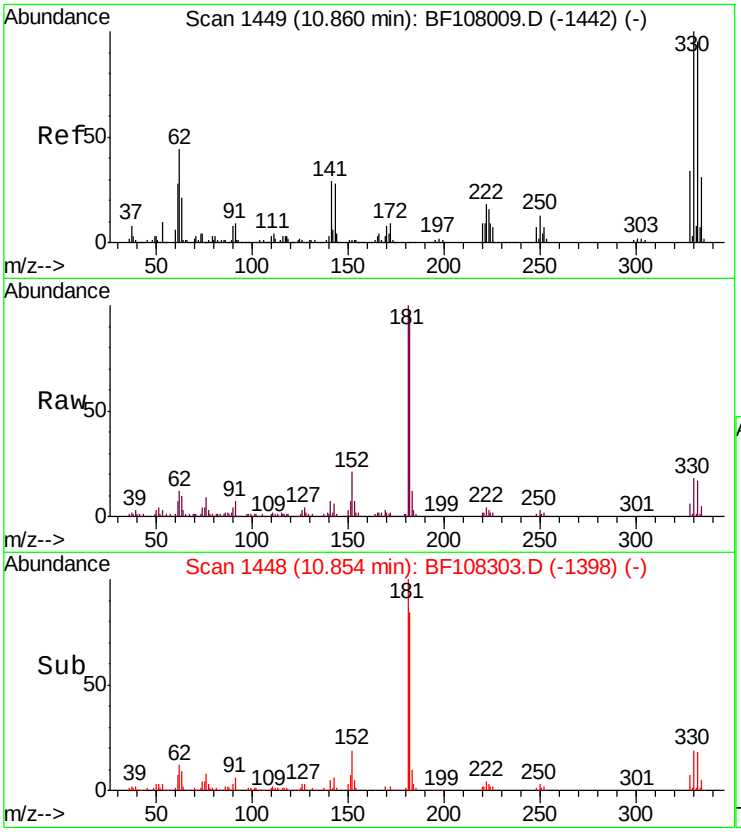




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:164 Resp: 272069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 86.1 | 129.1 |
| 160 | 47.2 | 38.3 | 57.5 |



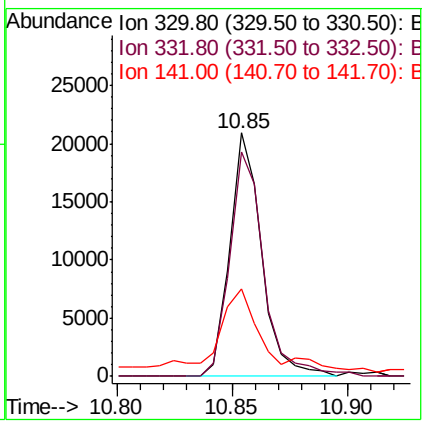


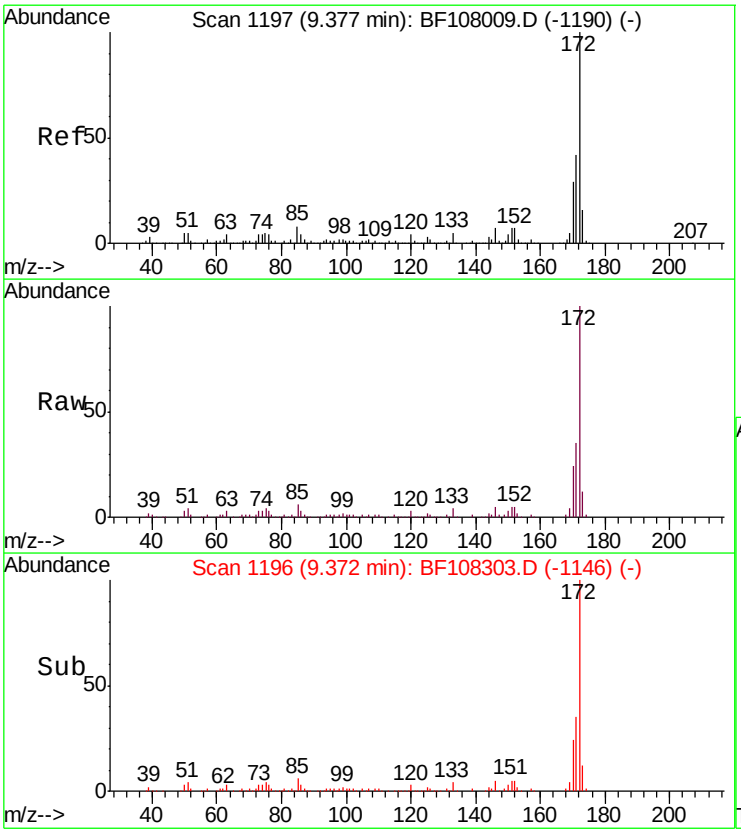

#41
2,4,6-Tribromophenol
Concen: 7.405 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:330 Resp: 20096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.7 | 77.0 | 115.6 |
| 141 | 52.1 | 29.9 | 44.9# |

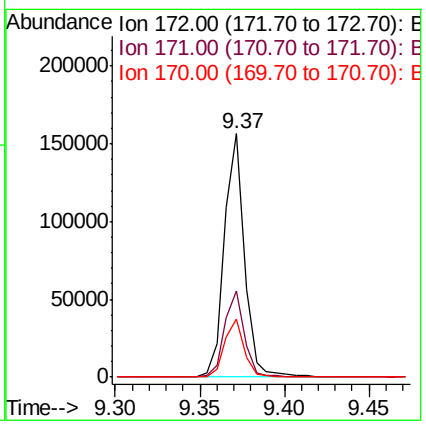


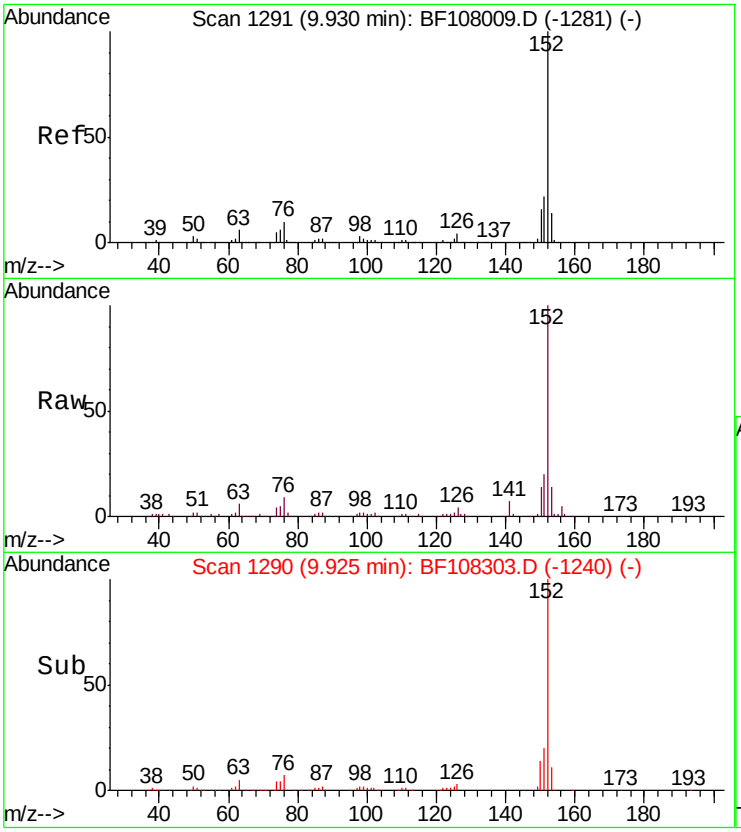




#44
2-Fluorobiphenyl
Concen: 7.631 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:172 Resp: 129310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 29.7 | 44.5 |
| 170 | 23.9 | 19.6 | 29.4 |



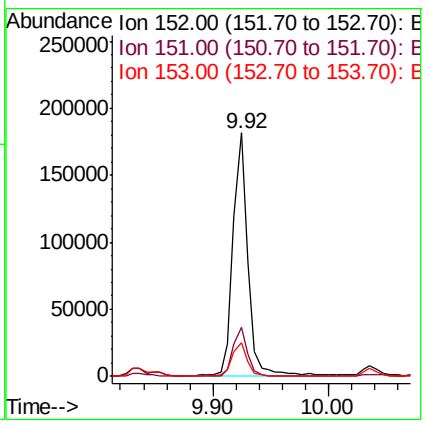


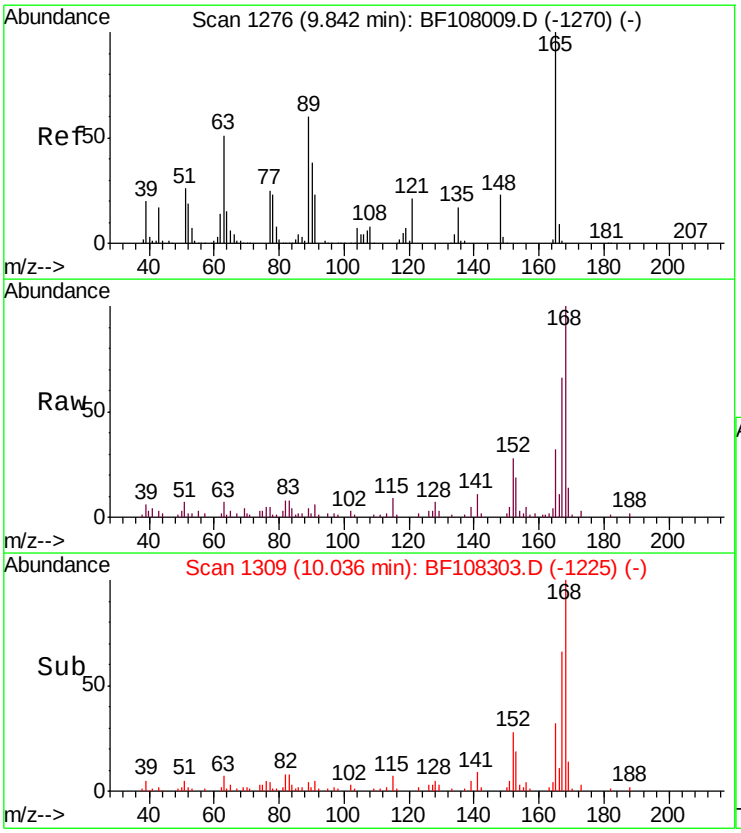

#48
Acenaphthylene
Concen: 6.430 ng
RT: 9.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:152 Resp: 161169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.3 | 24.5 |
| 153 | 13.8 | 10.7 | 16.1 |

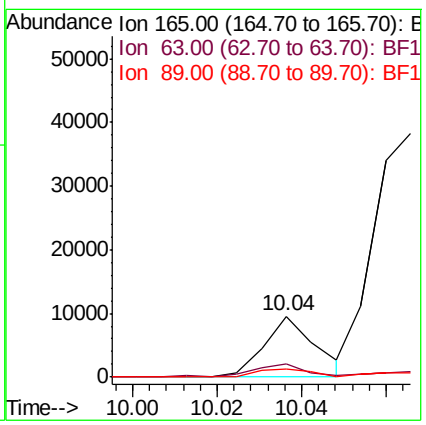


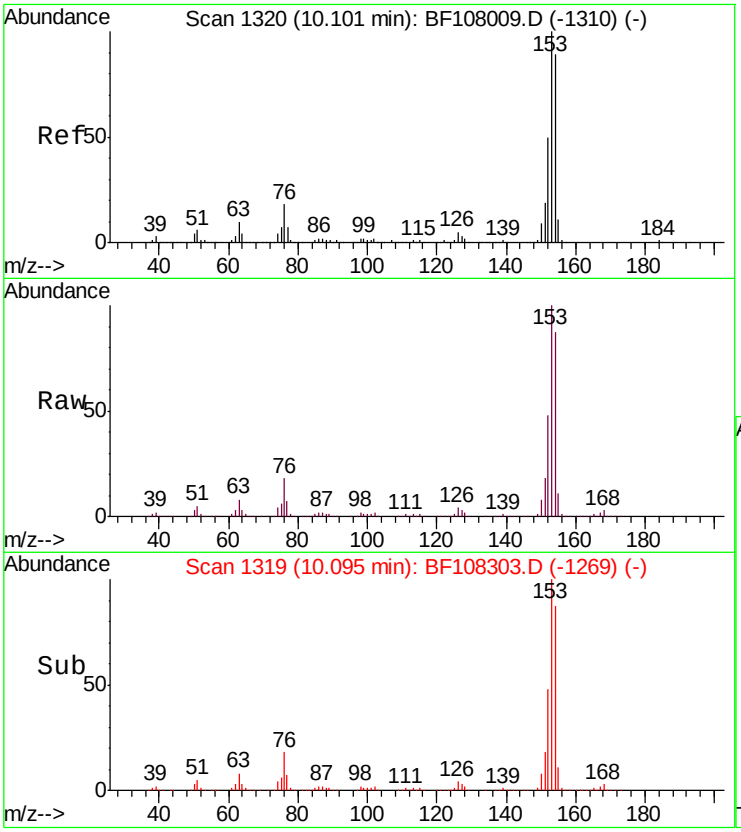




#50
2,6-Dinitrotoluene
Concen: 2.030 ng
RT: 10.04 min Scan# 1309
Delta R.T. 0.19 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:165 Resp: 8048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 21.2 | 44.7 | 67.1# |
| 89 | 13.7 | 44.0 | 66.0# |



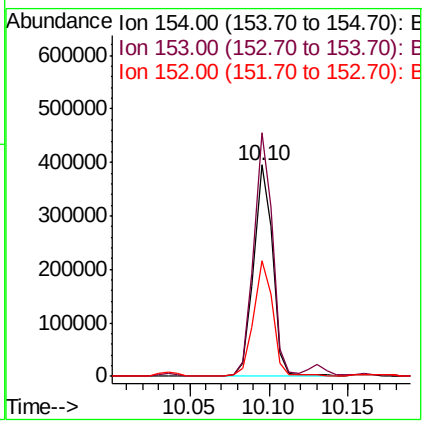


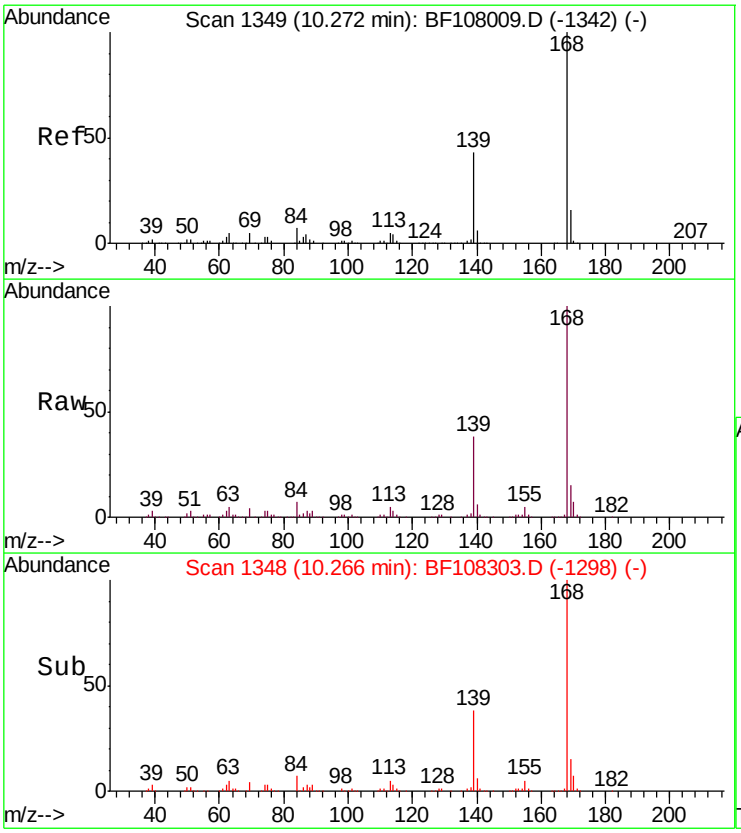

#51
Acenaphthene
Concen: 21.580 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:154 Resp: 331294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.1 | 91.2 | 136.8 |
| 152 | 54.9 | 43.8 | 65.8 |

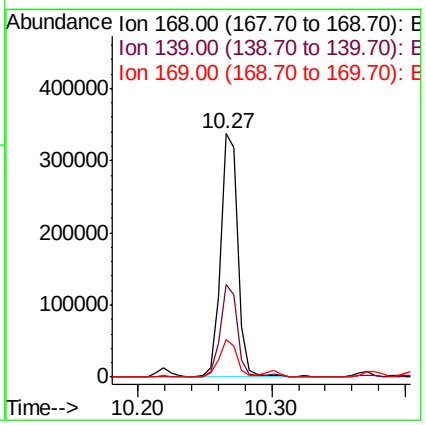


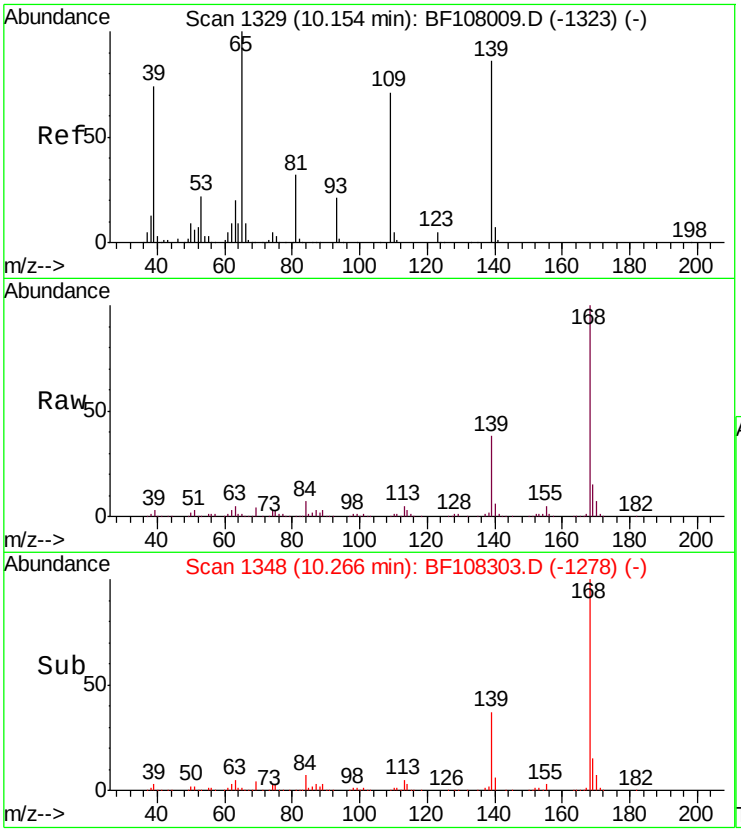




#54
Dibenzofuran
Concen: 13.892 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:168 Resp: 308990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 30.1 | 45.1 |
| 169 | 15.3 | 10.9 | 16.3 |



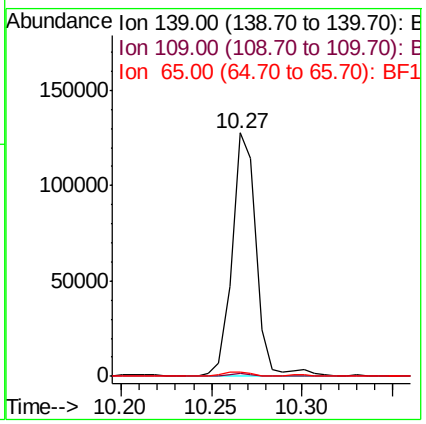


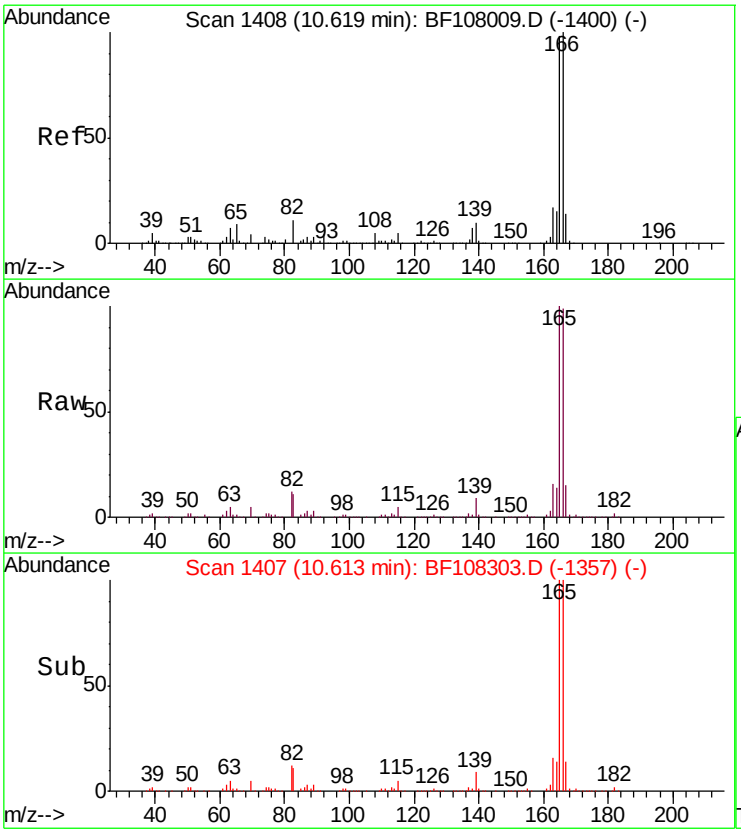

#55
4-Nitrophenol
Concen: 36.254 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.11 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:139 Resp: 119100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 1.0 | 48.4 | 88.4# |
| 65 | 2.0 | 72.6 | 112.6# |

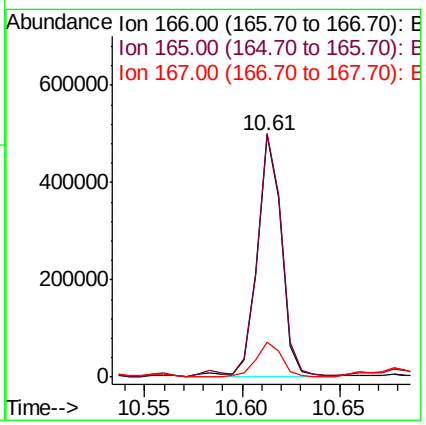


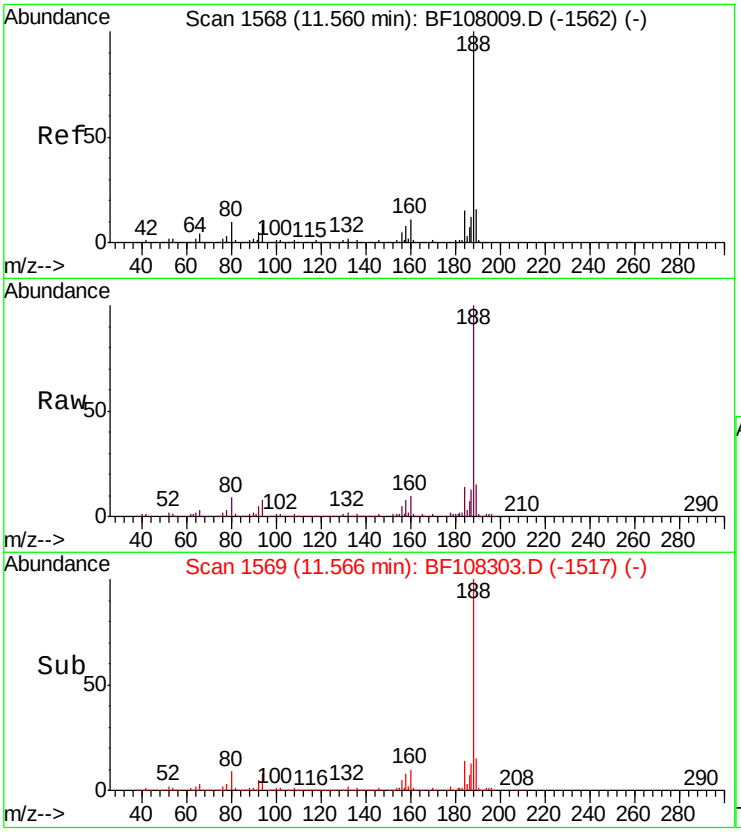




#57
Fluorene
Concen: 24.263 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:166 Resp: 427192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.6 | 79.8 | 119.8 |
| 167 | 14.6 | 10.6 | 16.0 |



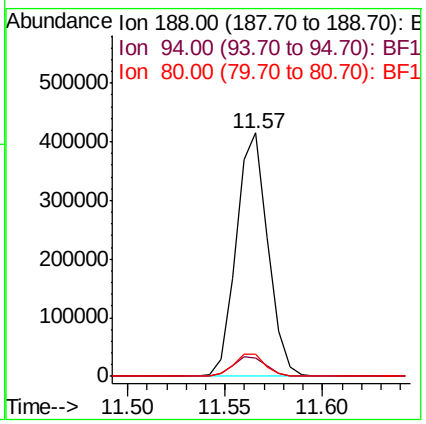


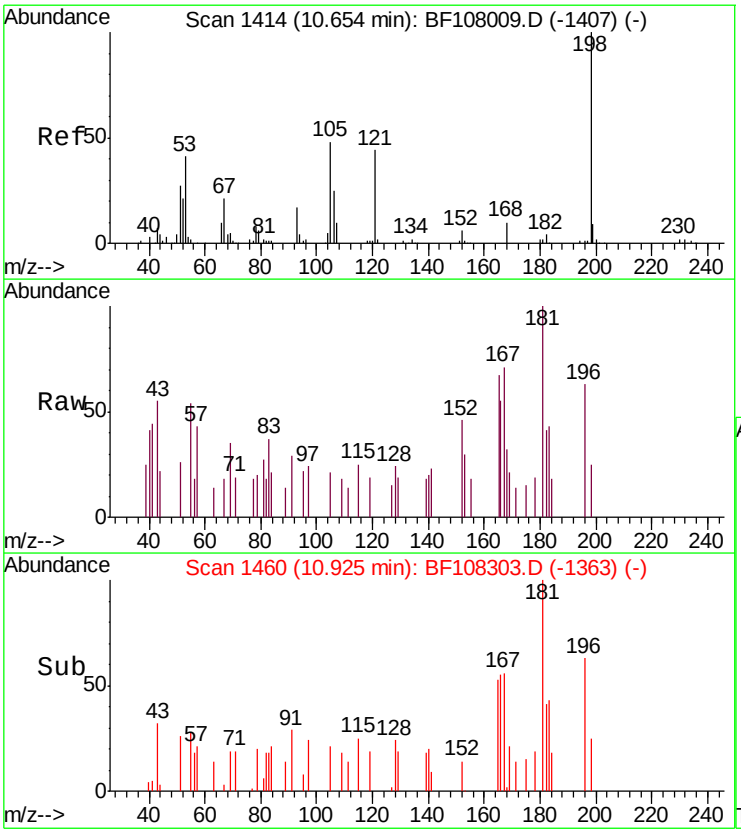

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:188 Resp: 464216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 8.5 | 12.7# |
| 80 | 8.9 | 9.2 | 13.8# |

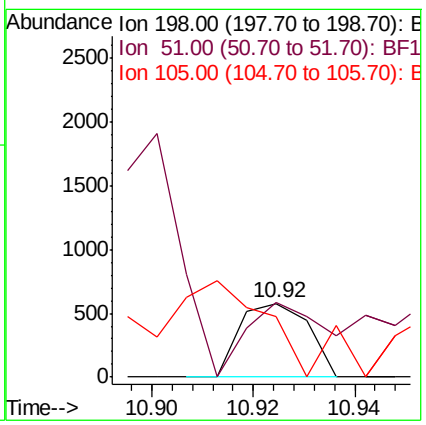


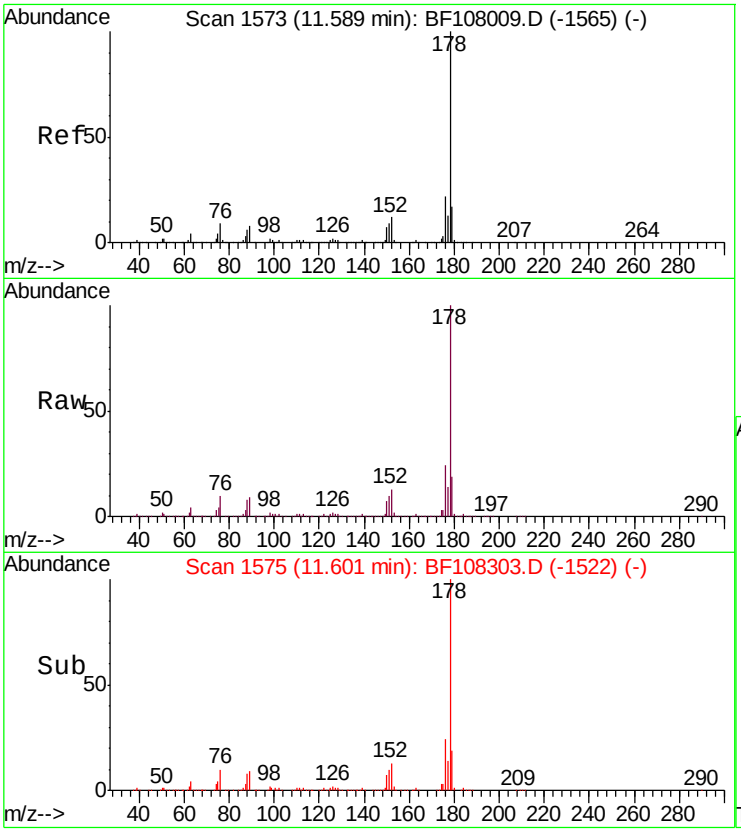




#64
4,6-Dinitro-2-methylphenol
Concen: 5.635 ng
RT: 10.92 min Scan# 1460
Delta R.T. 0.27 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:198 Resp: 543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 101.4 | 37.7 | 77.7# |
| 105 | 82.9 | 36.3 | 76.3# |



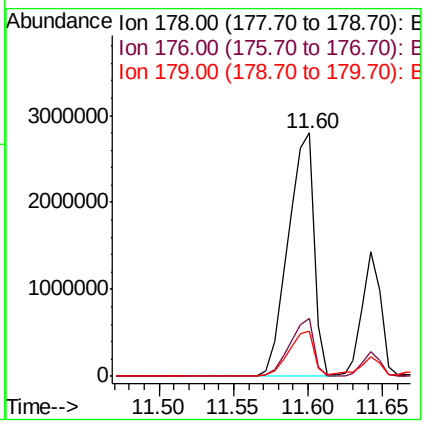


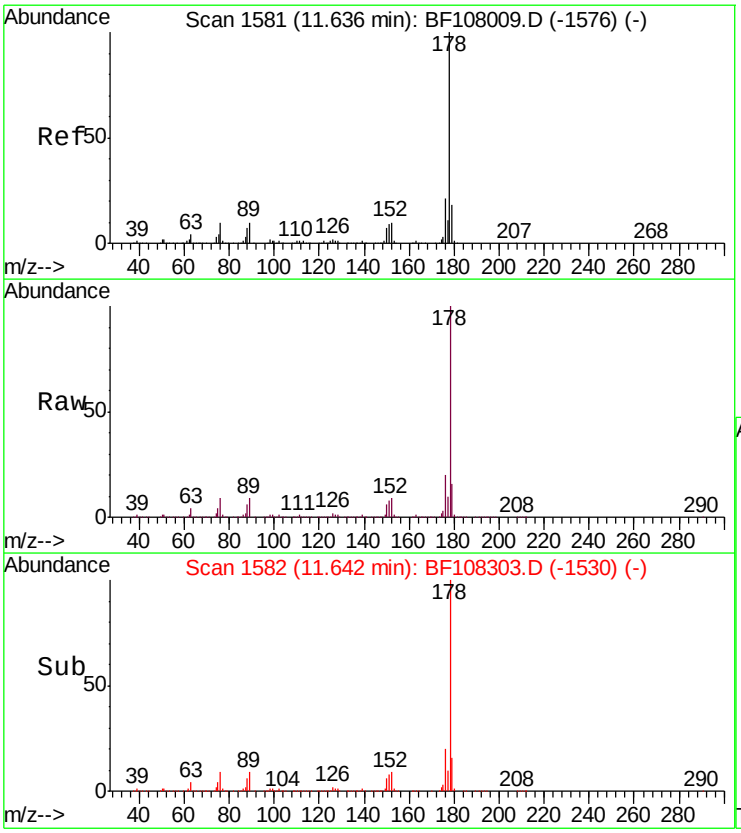

#70
Phenanthrene
Concen: 156.692 ng
RT: 11.60 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:178 Resp: 3430849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 23.6 | 15.8 | 23.8 |
| 179 | 18.6 | 13.0 | 19.6 |

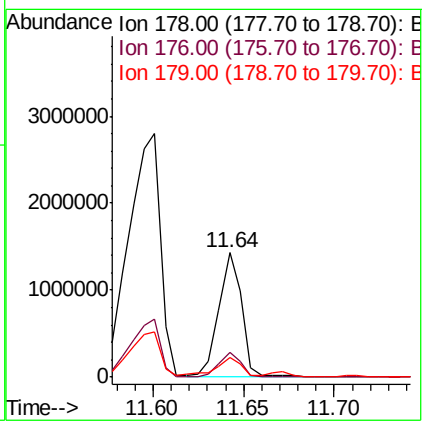


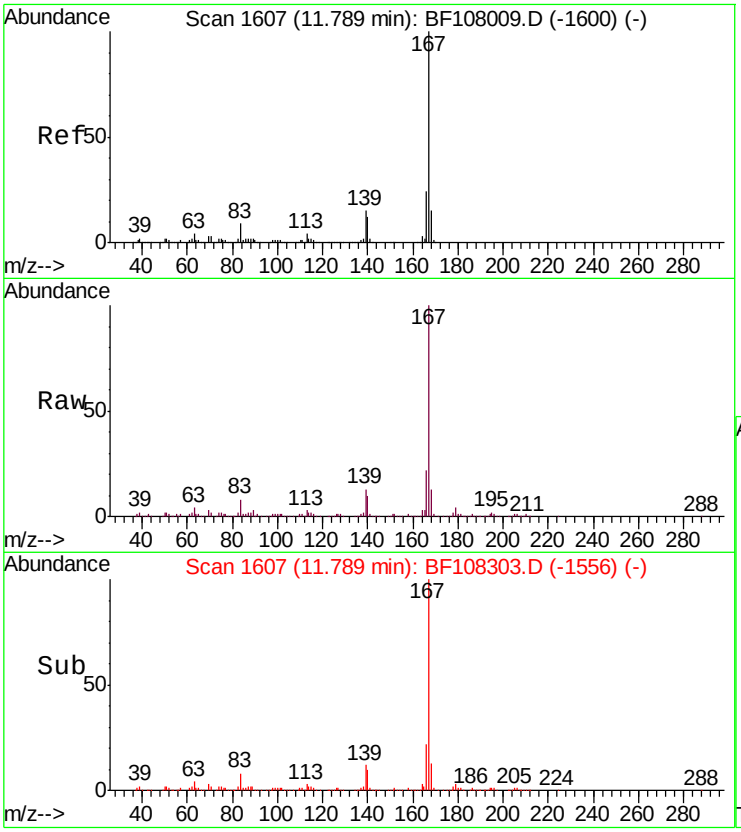




#71
Anthracene
Concen: 56.040 ng
RT: 11.64 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:178 Resp: 1257609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.4 | 23.2 |
| 179 | 16.3 | 12.6 | 19.0 |



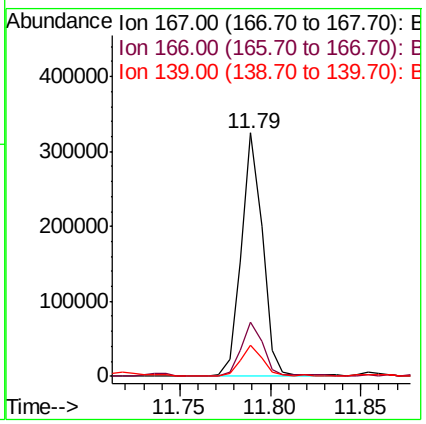


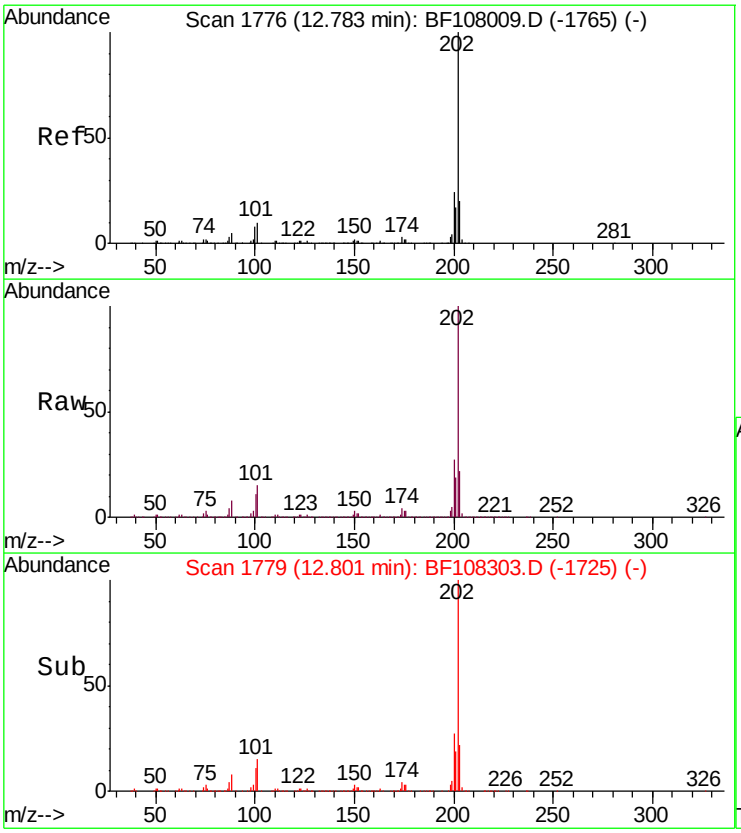

#72
Carbazole
Concen:  13.236 ng
RT: 11.79 min  Scan# 1607
Delta R.T.  0.00 min
Lab File:  BF108303.D
Acq: 20 Aug 2018  21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:167 Resp:  263901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.6 | 26.4 |
| 139 | 12.5 | 10.9 | 16.3 |

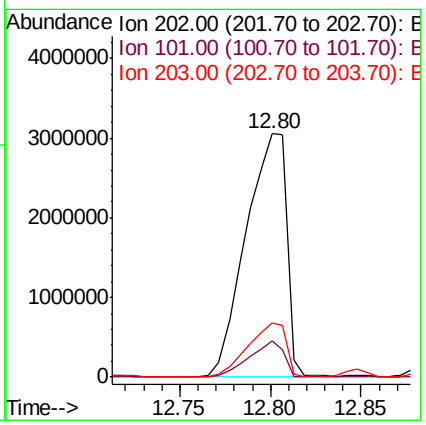


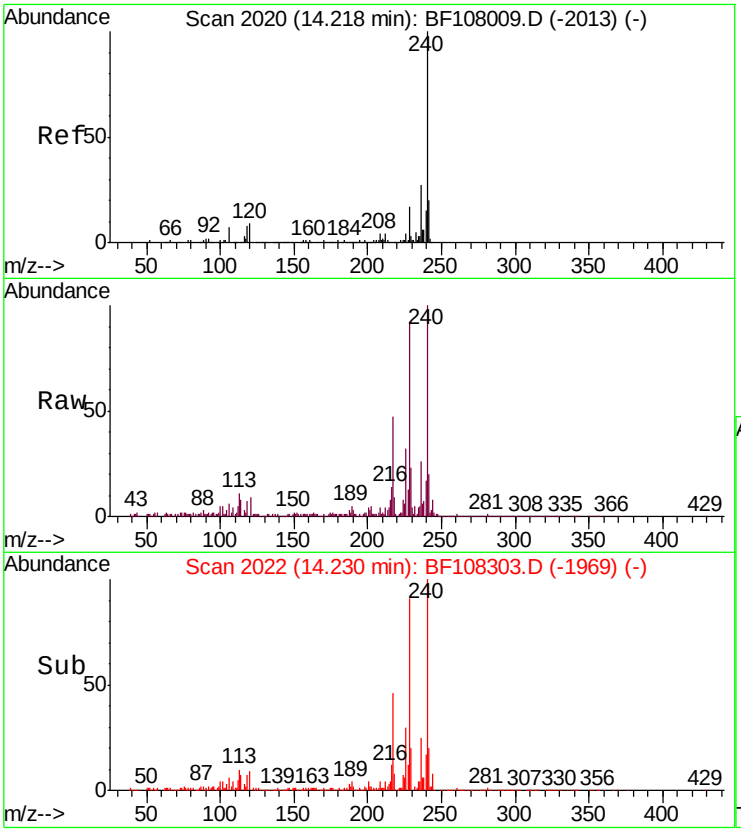




#74
Fluoranthene
Concen:  199.090 ng
RT: 12.80 min  Scan# 1779
Delta R.T.  0.02 min
Lab File:  BF108303.D
Acq: 20 Aug 2018  21:12

Tgt Ion:202 Resp:  4757479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.7 | 0.0 | 34.1 |
| 203 | 22.3 | 0.0 | 38.1 |



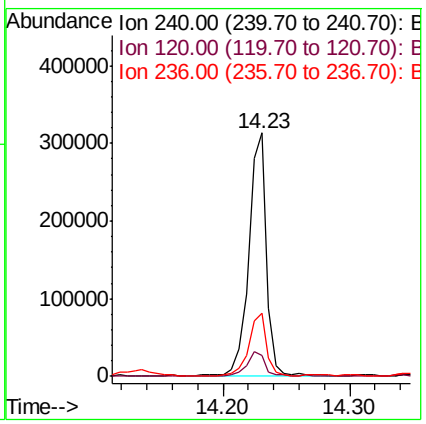


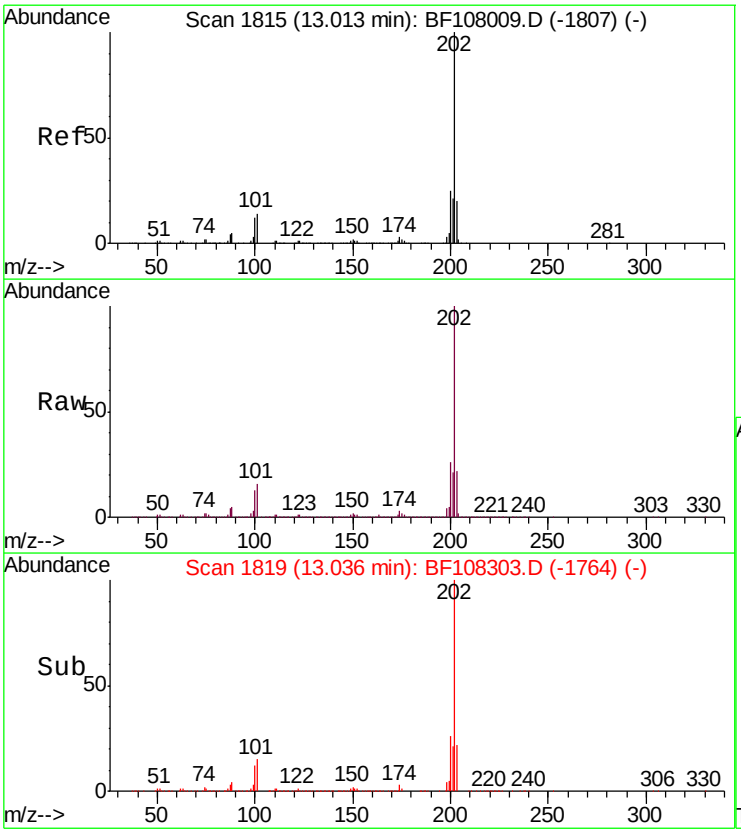

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.23 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:240 Resp: 302228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 9.5 | 14.3# |
| 236 | 26.1 | 20.7 | 31.1 |

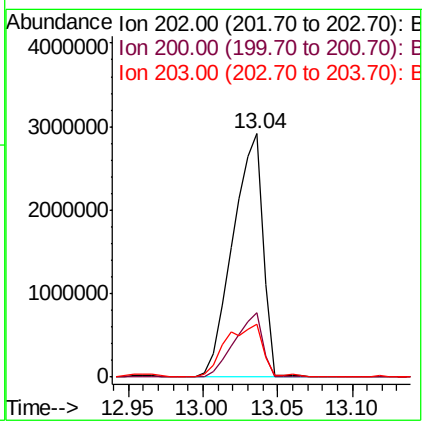


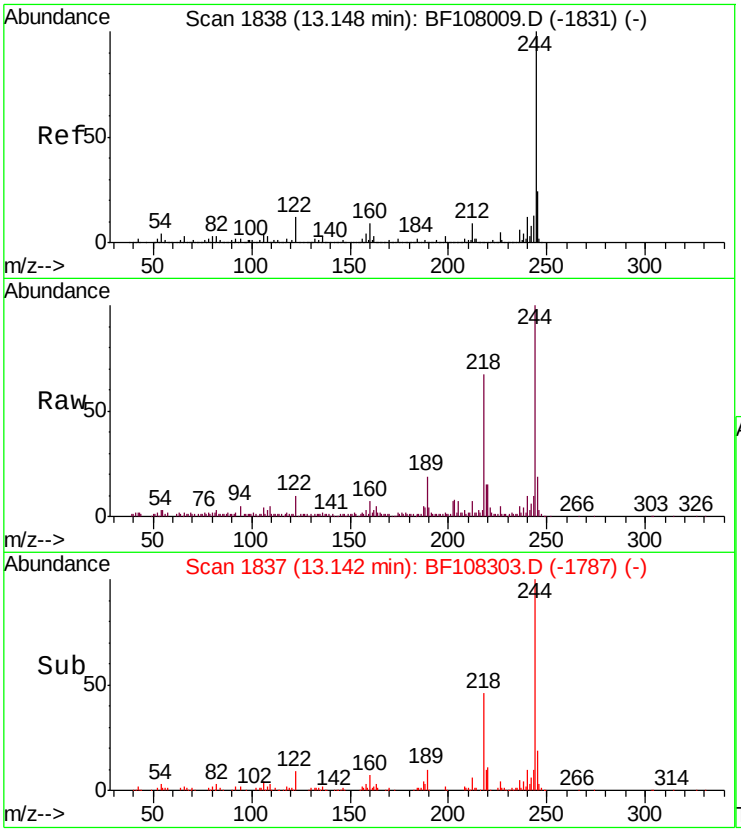




#77
Pyrene
Concen: 214.040 ng
RT: 13.04 min Scan# 1819
Delta R.T. 0.02 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:202 Resp: 4095481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 26.4 | 17.4 | 26.2# |
| 203 | 21.9 | 14.3 | 21.5# |



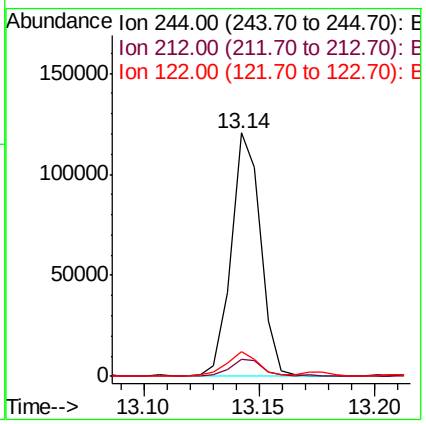


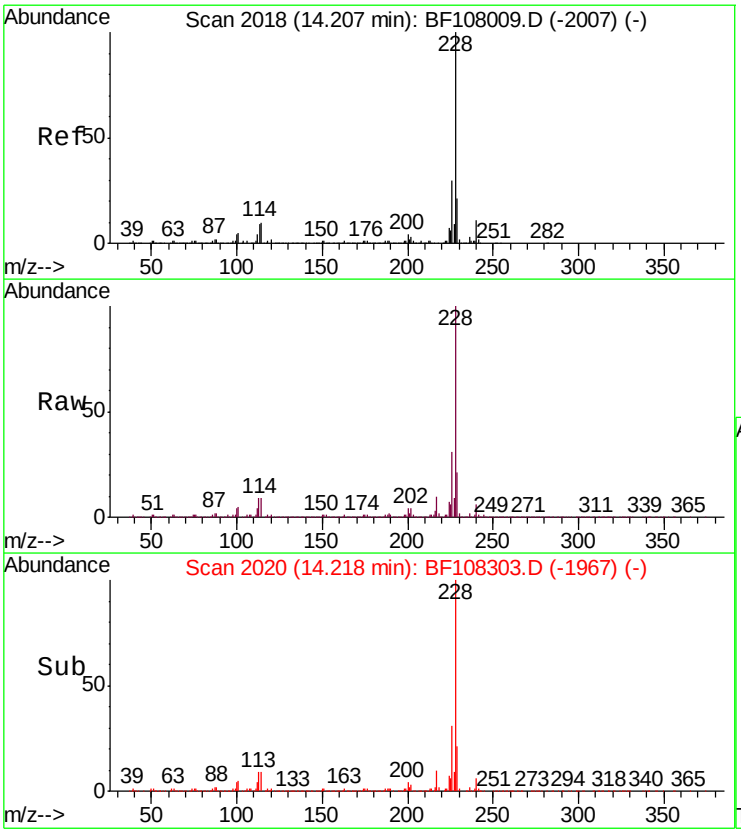

#78
Terphenyl-d14
Concen: 9.000 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:244 Resp: 106979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 10.1 | 11.0 | 16.4# |

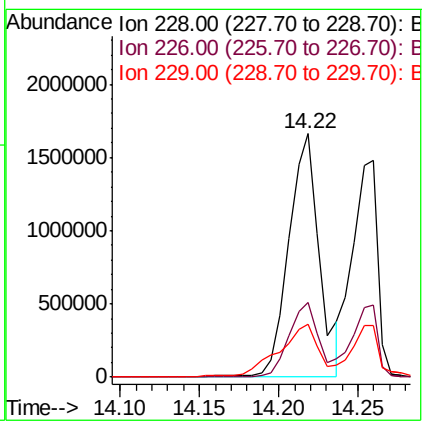


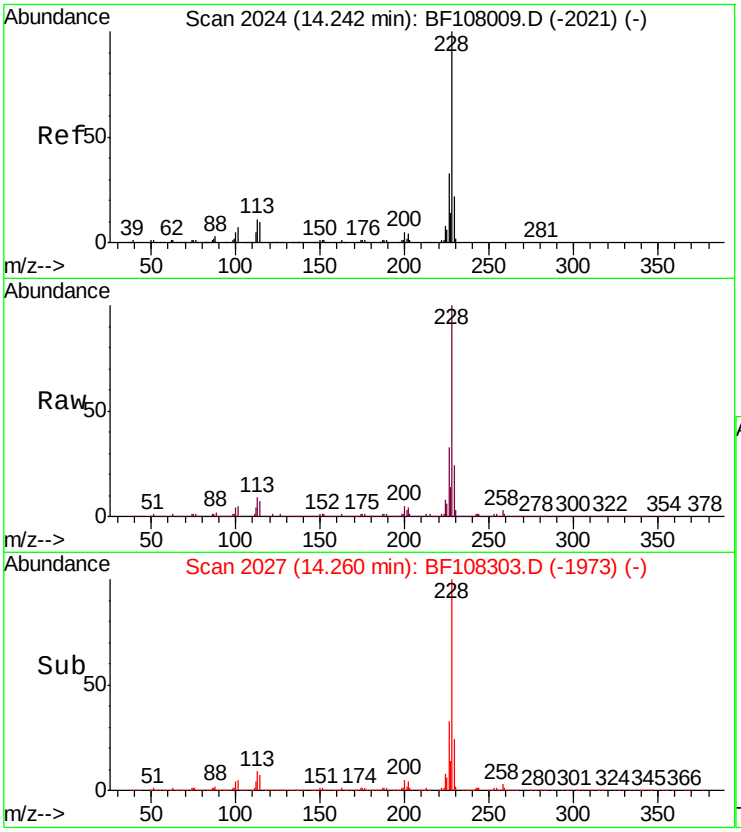




#80
Benzo(a)anthracene
Concen: 128.003 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:228 Resp: 2220189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 22.6 | 33.8 |
| 229 | 21.5 | 15.8 | 23.6 |



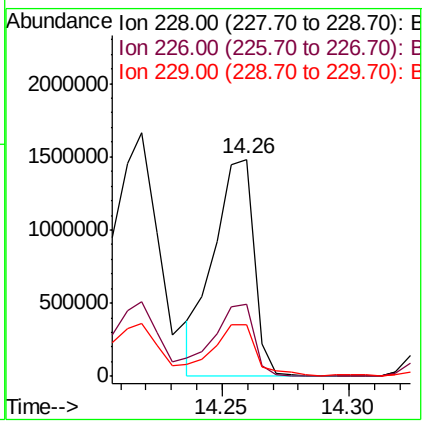


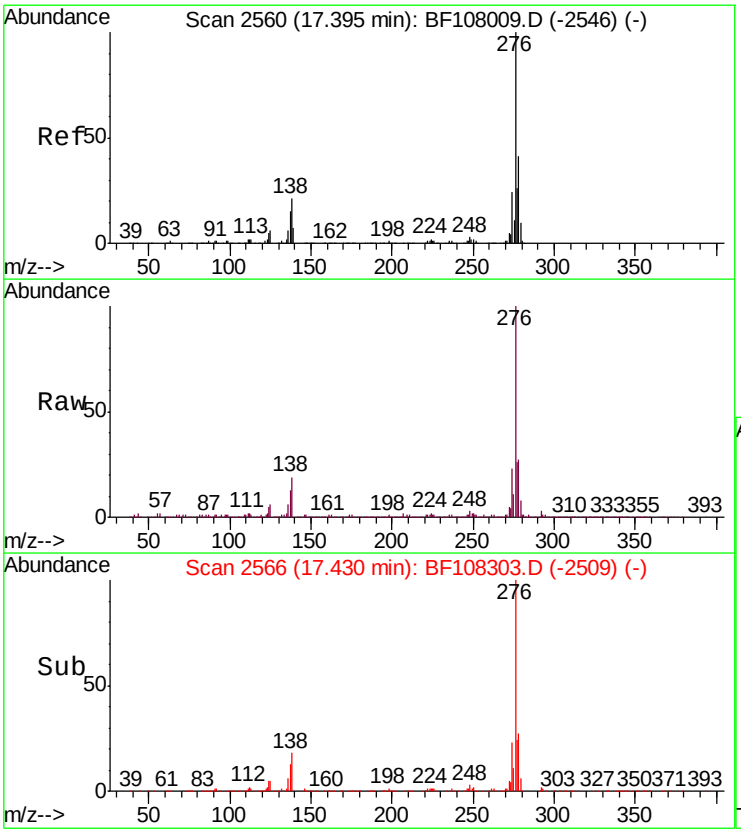

#82
Chrysene
Concen: 102.589 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:228 Resp: 1631328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.0 | 25.0 | 37.6 |
| 229 | 23.8 | 16.2 | 24.4 |

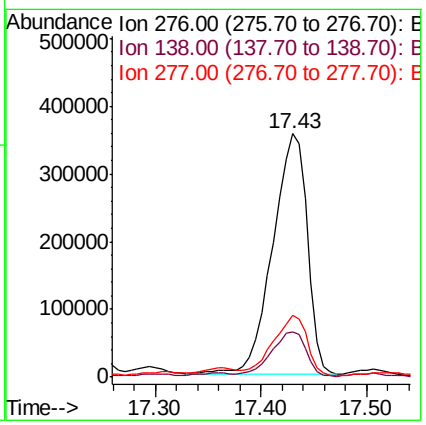


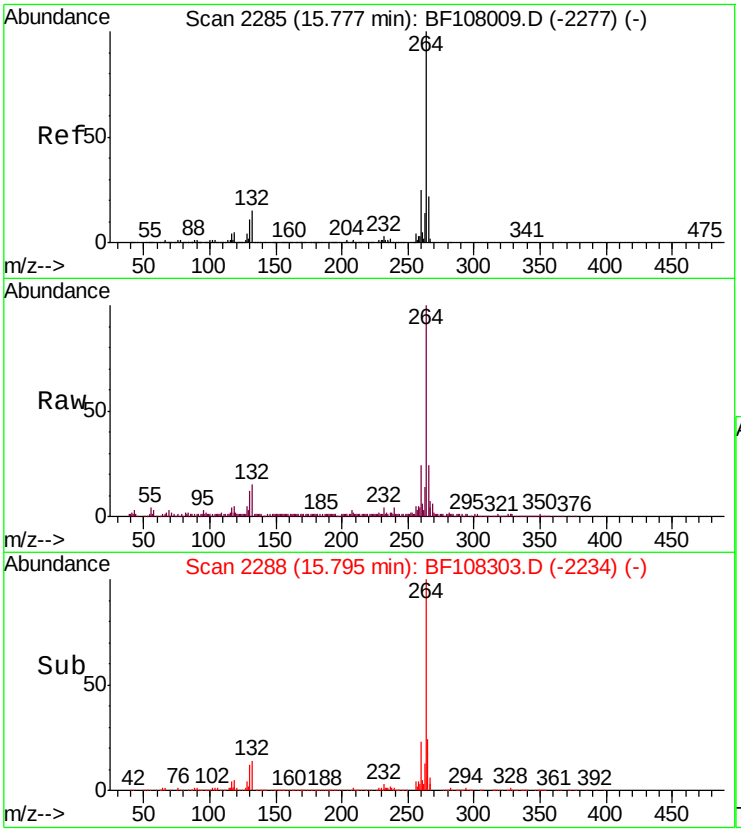




#85
Indeno(1,2,3-cd)pyrene
Concen: 58.399 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:276 Resp: 804624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.4 | 25.0 | 37.6# |
| 277 | 24.6 | 20.1 | 30.1 |



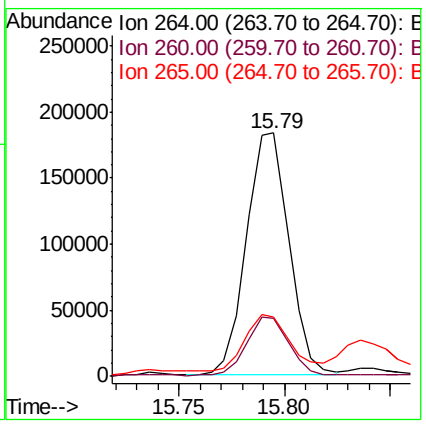


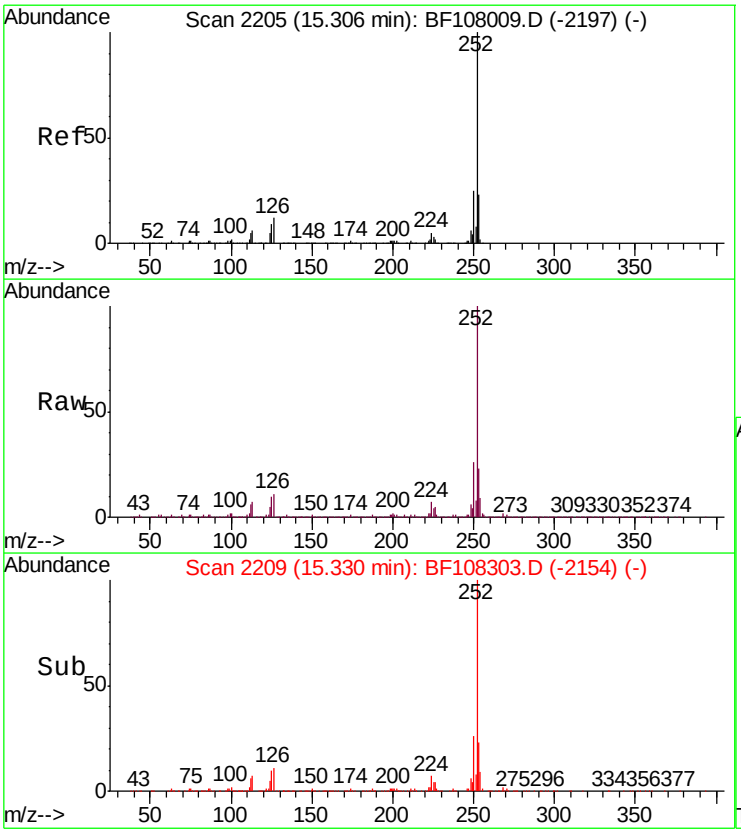

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:264 Resp: 256324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 24.3 | 17.5 | 26.3 |

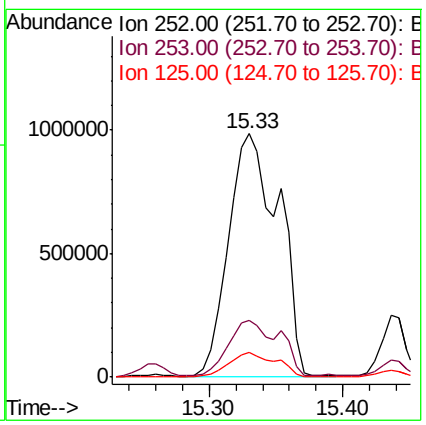


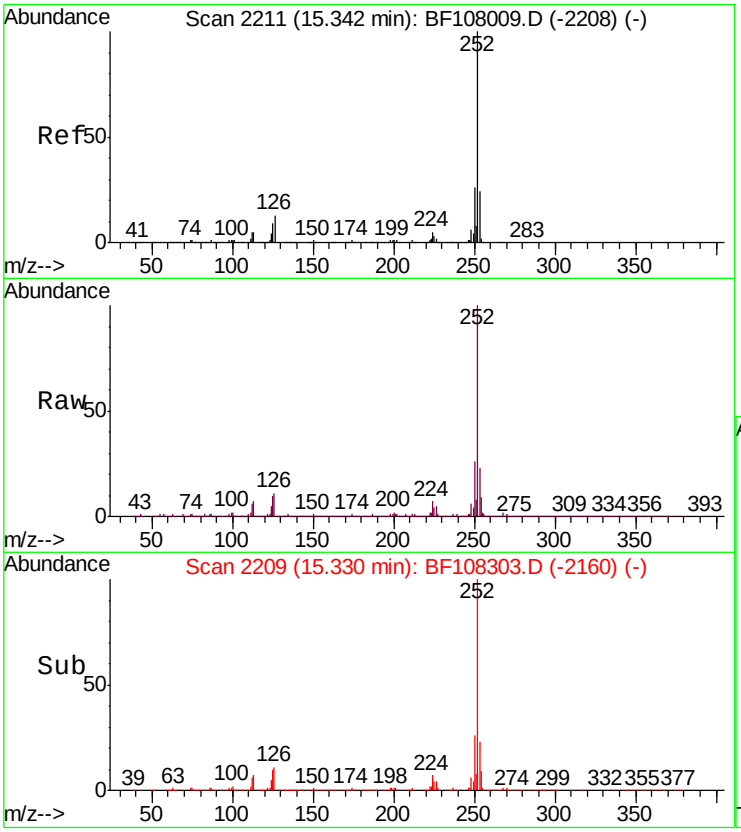




#87
Benzo(b)fluoranthene
Concen: 168.487 ng
RT: 15.33 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:252 Resp: 2580610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.0 | 25.6 |
| 125 | 10.0 | 9.0 | 13.6 |



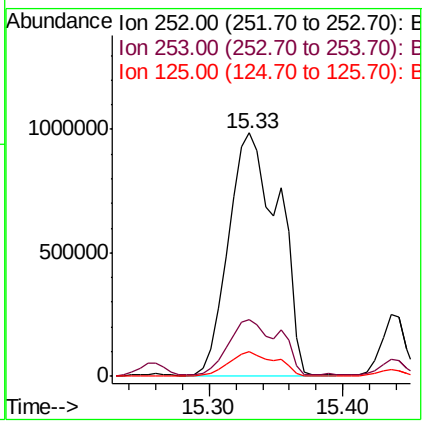


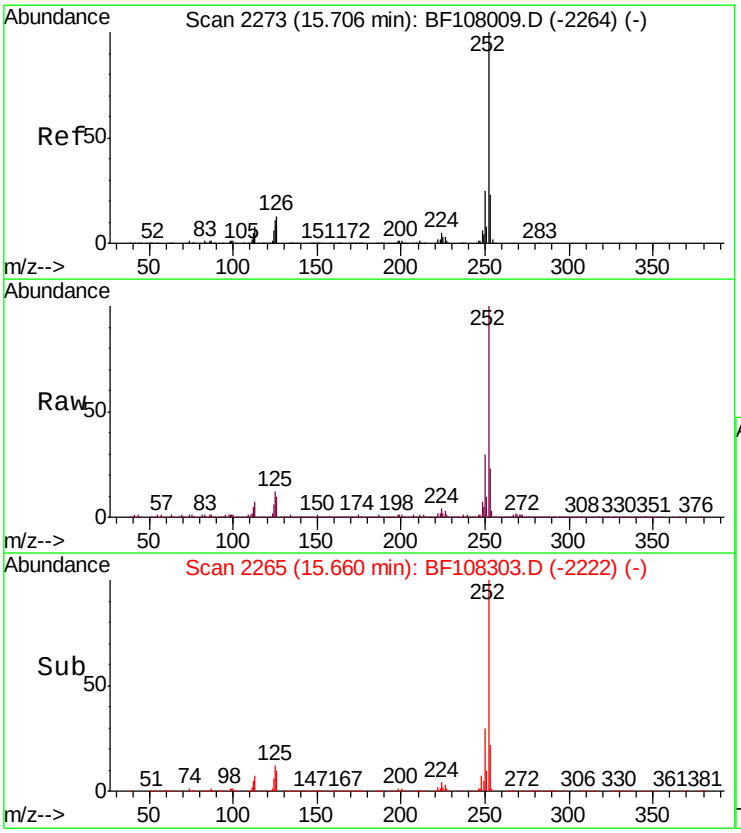

#88
Benzo(k)fluoranthene
Concen: 183.288 ng
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:252 Resp: 2580610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.9 | 26.9 |
| 125 | 10.0 | 10.2 | 15.2# |

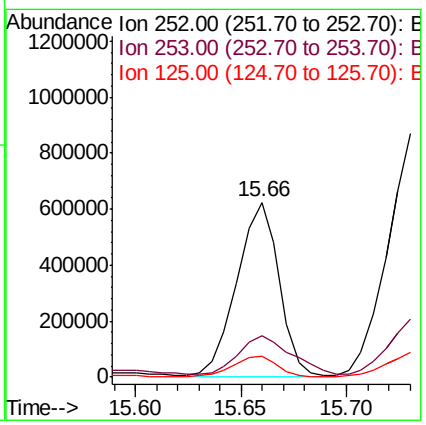


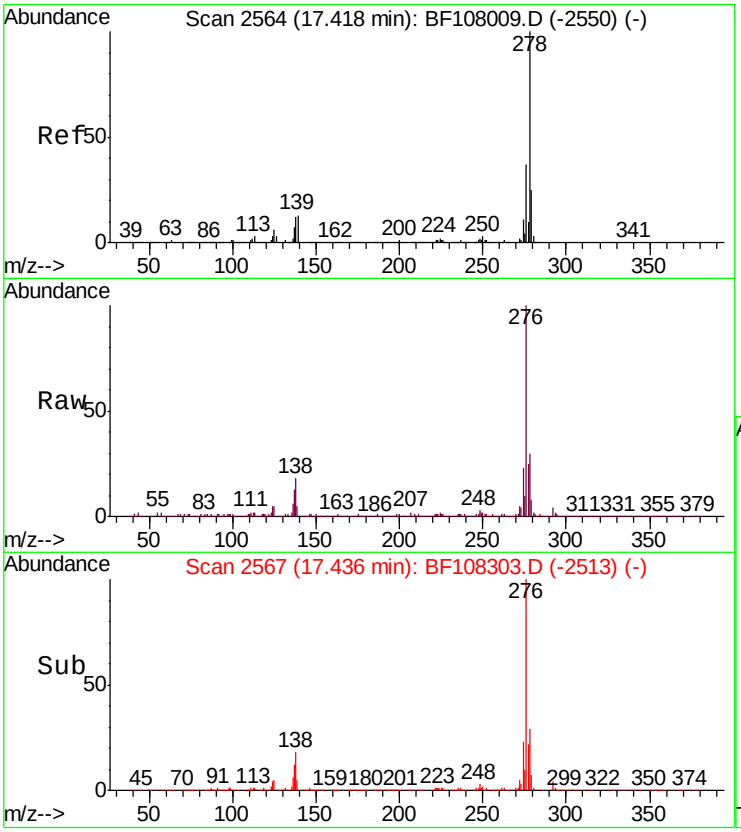




#89
Benzo(a)pyrene
Concen: 63.093 ng
RT: 15.66 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:252 Resp: 865350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.1 | 25.7 |
| 125 | 12.3 | 9.8 | 14.6 |



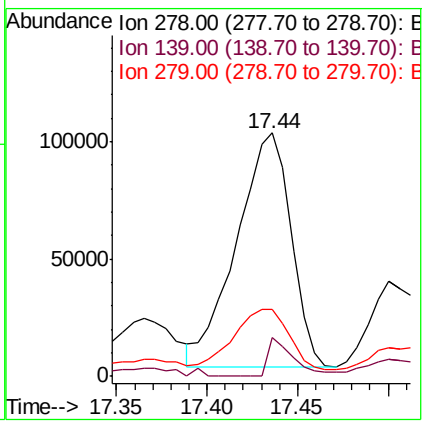


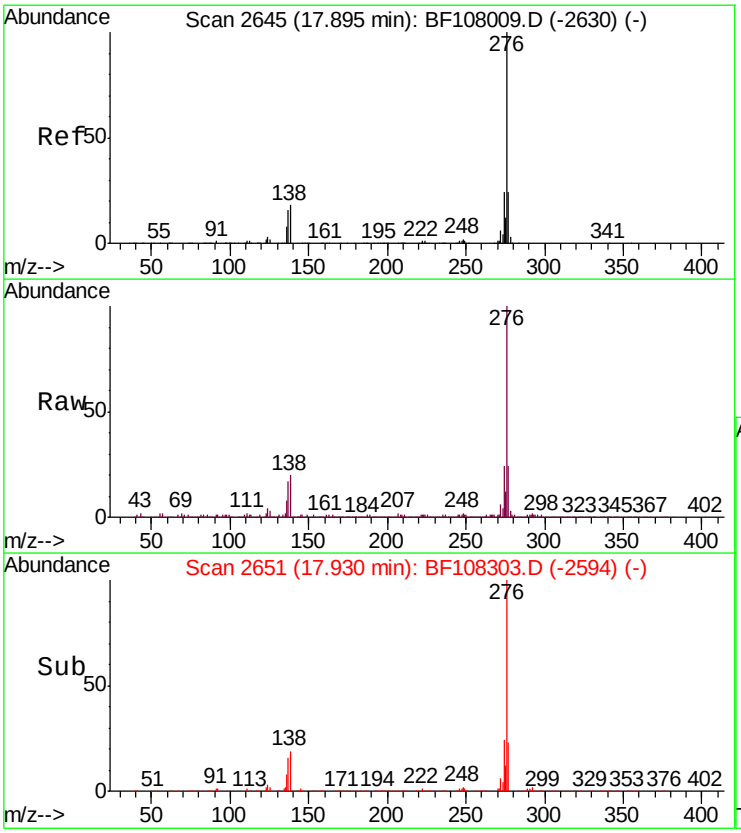

#90
Dibenzo(a,h)anthracene
Concen: 18.355 ng
RT: 17.44 min Scan# 2567
Delta R.T. 0.02 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

**Instrument :**
BNA_F
**ClientSampleId :**
HD-02-081718

Tgt Ion:278 Resp: 208301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.9 | 15.9 | 23.9# |
| 279 | 27.3 | 19.0 | 28.4 |




#91
Benzo(g,h,i)perylene
Concen: 63.964 ng
RT: 17.93 min Scan# 2651
Delta R.T. 0.04 min
Lab File: BF108303.D
Acq: 20 Aug 2018 21:12

Tgt Ion:276 Resp: 714758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 17.9 | 26.9 |
| 138 | 20.1 | 21.8 | 32.8# |