Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021519\
Data File : BM018825.D
Acq On : 15 Feb 2019 20:07
Operator : JU/SJ
Sample : K1484-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** M-3-S

Quant Time: Feb 15 22:23:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 12146 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 0.00 | 136 | 0 | 0.00 | ng | -10.50 |
| 39) Acenaphthene-d10 | 0.00 | 164 | 0 | 0.00 | ng | -14.36 |
| 64) Phenanthrene-d10 | 0.00 | 188 | 0 | 0.00 | ng | -17.12 |
| 76) Chrysene-d12 | 21.32 | 240 | 708 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 23.59 | 264 | 801 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 2548603 | 3438.02 | ng | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 3124369 | 2991.81 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.87 | 82 | 2570749 | 0.00 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.86 | 330 | 1415559 | 0.00 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.97 | 172 | 4789413 | 0.00 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.74 | 244 | 7813110 | 227650.23 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.59 | 42 | 1130 | 5.044 | ng | # 1 |
| 9) Benzaldehyde | 6.89 | 77 | 8437 | 11.353 | ng | # 12 |
| 15) Benzyl Alcohol | 8.02 | 79 | 36083 | 43.484 | ng | # 41 |
| 18) Hexachloroethane | 8.81 | 117 | 1552 | 4.563 | ng | # 16 |
| 77) Benzidine | 19.40 | 184 | 16927 | 1061.576 | ng | # 91 |
| 78) Pyrene | 19.54 | 202 | 921 | 22.398 | ng | # 57 |
| 80) Butylbenzylphthalate | 20.44 | 149 | 1520 | 81.110 | ng | # 65 |
| 81) Benzo(a)anthracene | 21.30 | 228 | 233 | 5.646 | ng | # 51 |
| 82) 3,3'-Dichlorobenzidine | 21.26 | 252 | 784 | 48.066 | ng | # 95 |
| 83) Chrysene | 21.36 | 228 | 496 | 12.539 | ng | # 49 |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 3240 | 118.127 | ng | # 80 |
| 85) Di-n-octyl phthalate | 22.09 | 149 | 364 | 7.896 | ng | # 1 |
| 86) Indeno(1,2,3-cd)pyrene | 25.90 | 276 | 382 | 8.364 | ng | # 69 |
| 88) Benzo(b)fluoranthene | 22.90 | 252 | 894 | 19.508 | ng | # 1 |
| 89) Benzo(k)fluoranthene | 22.96 | 252 | 494 | 10.827 | ng | # 1 |
| 90) Benzo(a)pyrene | 23.49 | 252 | 879 | 20.247 | ng | # 1 |
| 91) Dibenzo(a,h)anthracene | 25.89 | 278 | 182 | 4.231 | ng | # 34 |
| 92) Benzo(g,h,i)perylene | 26.60 | 276 | 118 | 2.947 | ng | # 53 |

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

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**Instrument :**
BNA_M
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M-3-S

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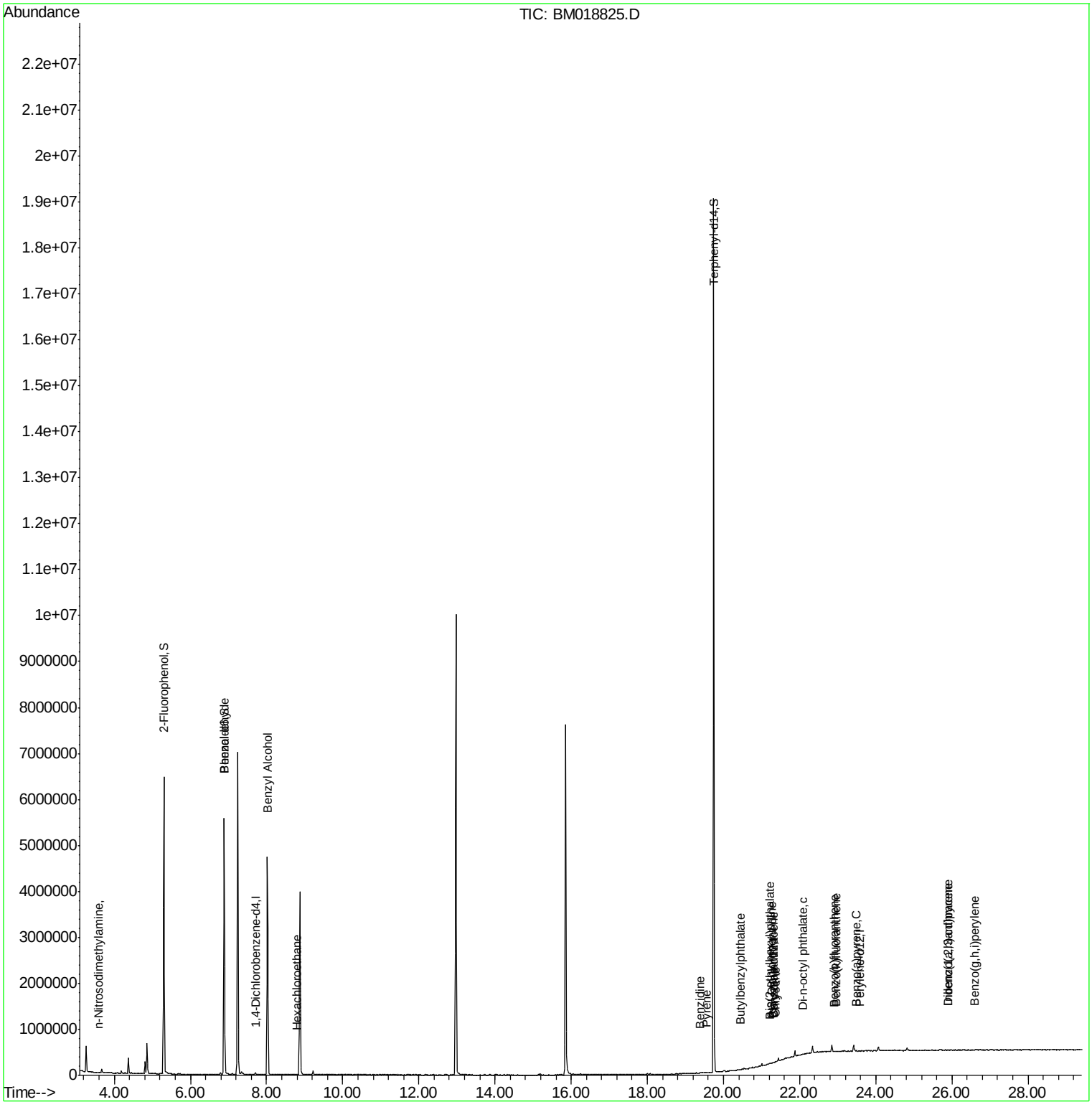
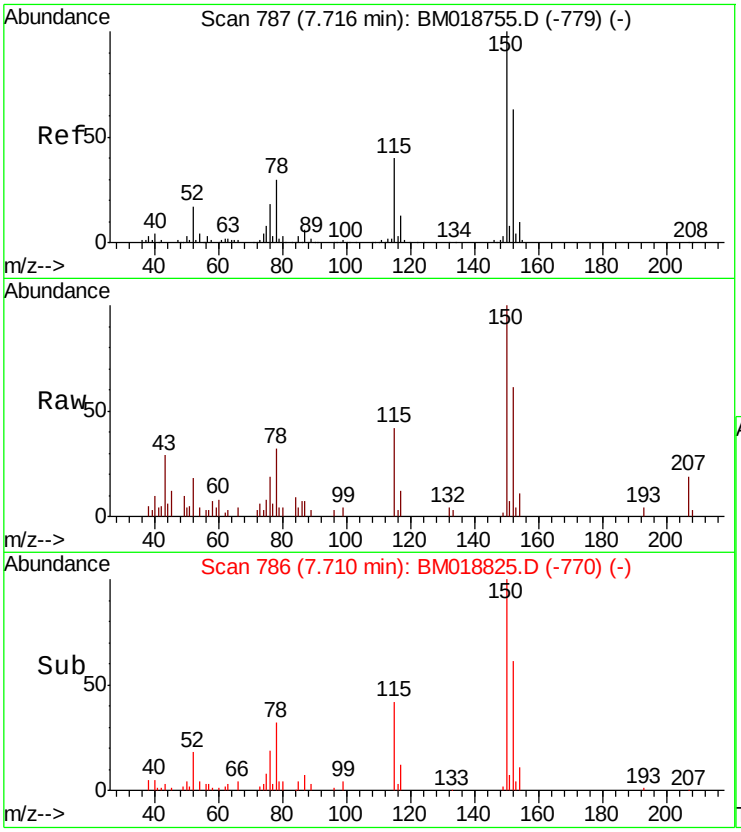


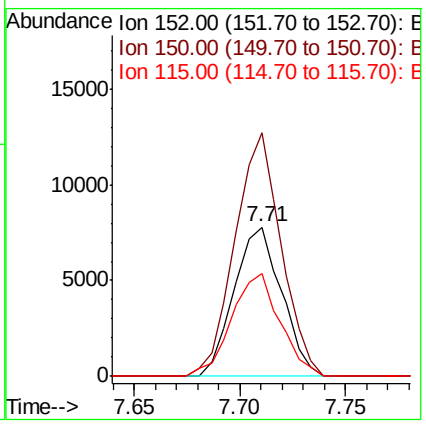


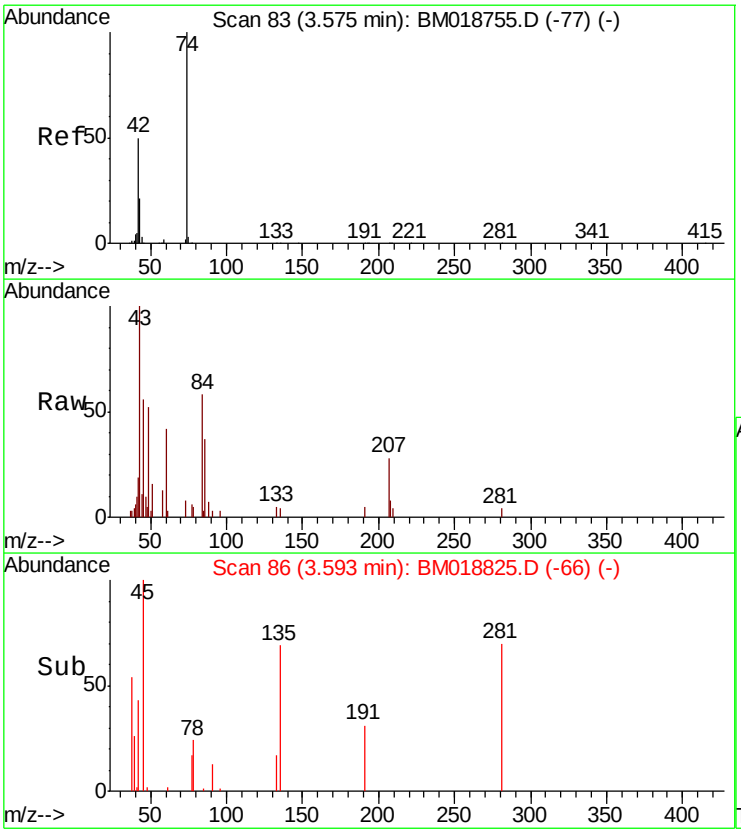

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:152 Resp: 12146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.4 | 127.3 | 190.9 |
| 115 | 69.0 | 50.8 | 76.2 |

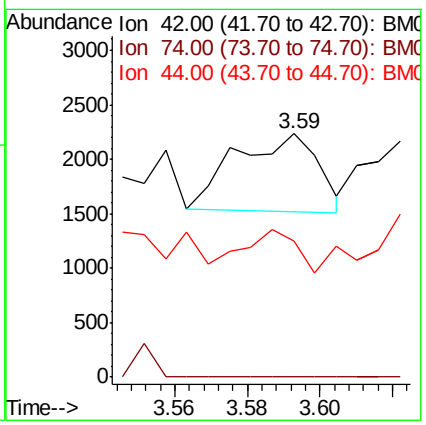


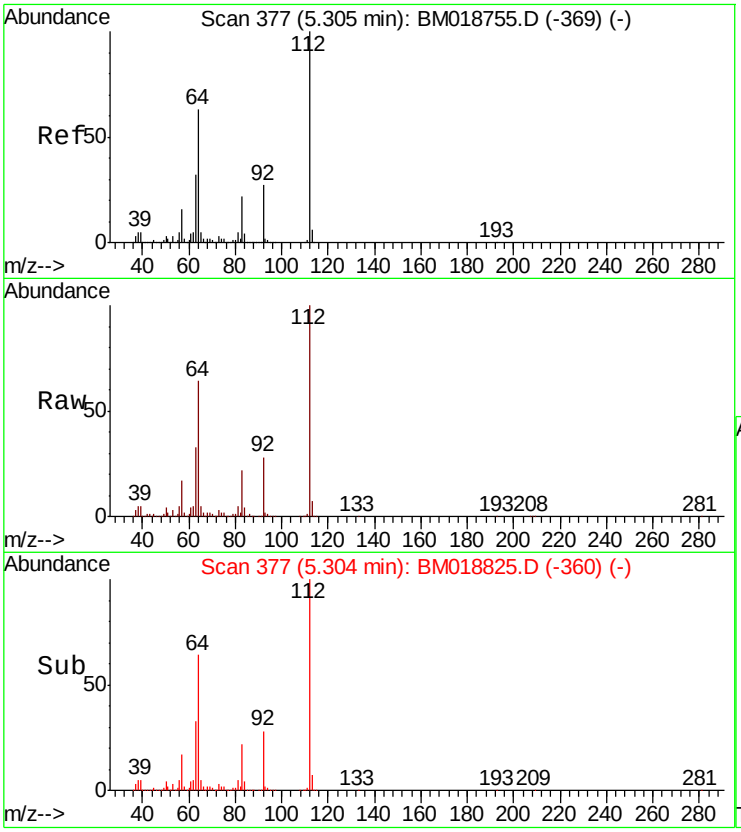




#4
n-Nitrosodimethylamine
Concen: 5.044 ng
RT: 3.59 min Scan# 86
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion: 42 Resp: 1130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 158.1 | 237.1# |
| 44 | 56.1 | 4.9 | 7.3# |



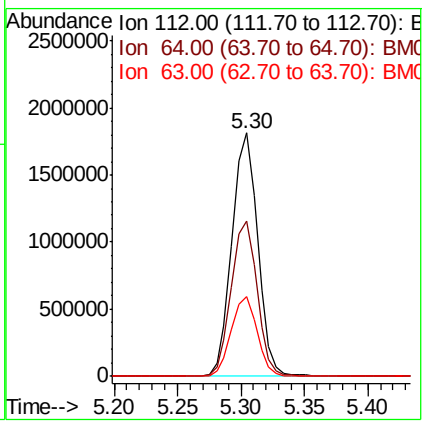


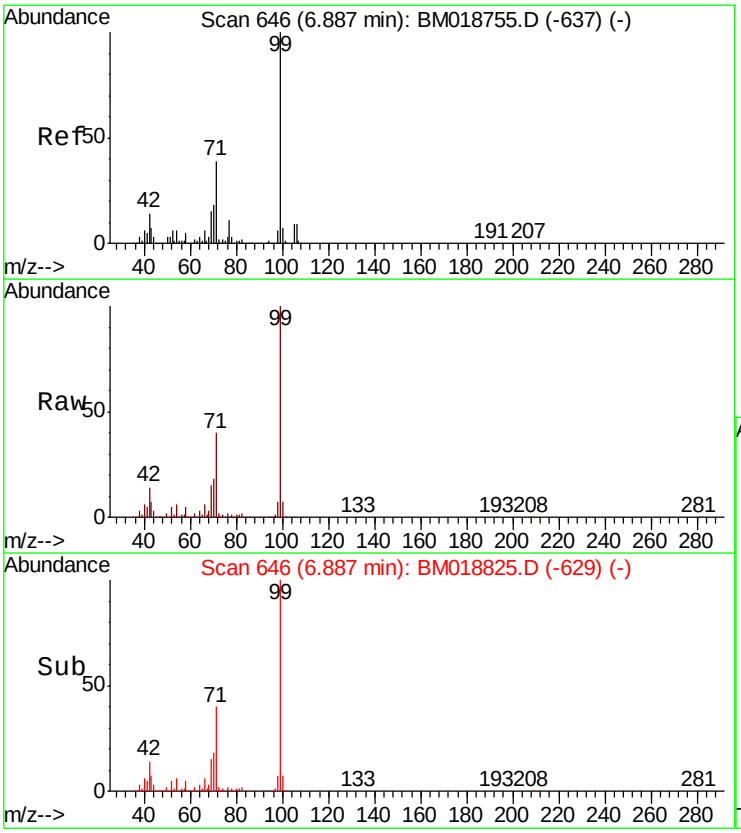

#5
2-Fluorophenol
Concen: 3438.021 ng
RT: 5.30 min  Scan# 377
Delta R.T.  -0.00 min
Lab File:  BM018825.D
Acq: 15 Feb 2019  20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:112 Resp: 2548603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.7 | 50.6 | 75.8 |
| 63 | 32.6 | 25.7 | 38.5 |

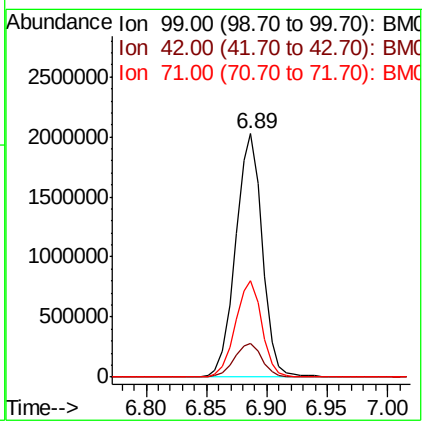


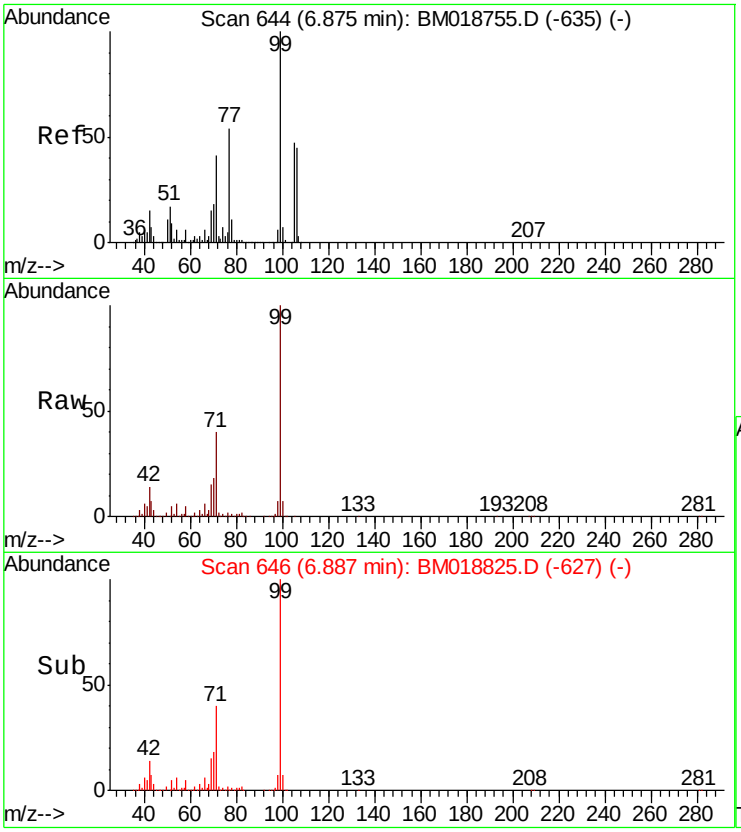




#7
Phenol-d6
Concen: 2991.806 ng
RT: 6.89 min  Scan# 646
Delta R.T.  -0.00 min
Lab File:  BM018825.D
Acq: 15 Feb 2019  20:07

Tgt Ion: 99 Resp: 3124369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.0 | 11.0 | 16.6 |
| 71 | 39.5 | 31.3 | 46.9 |



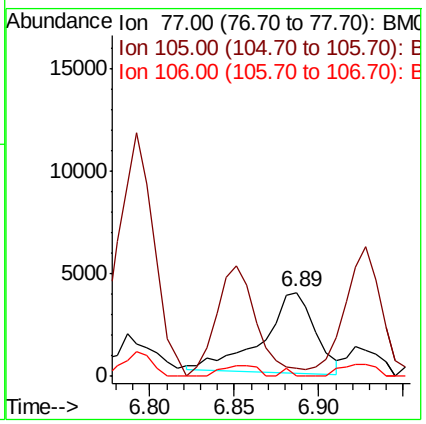


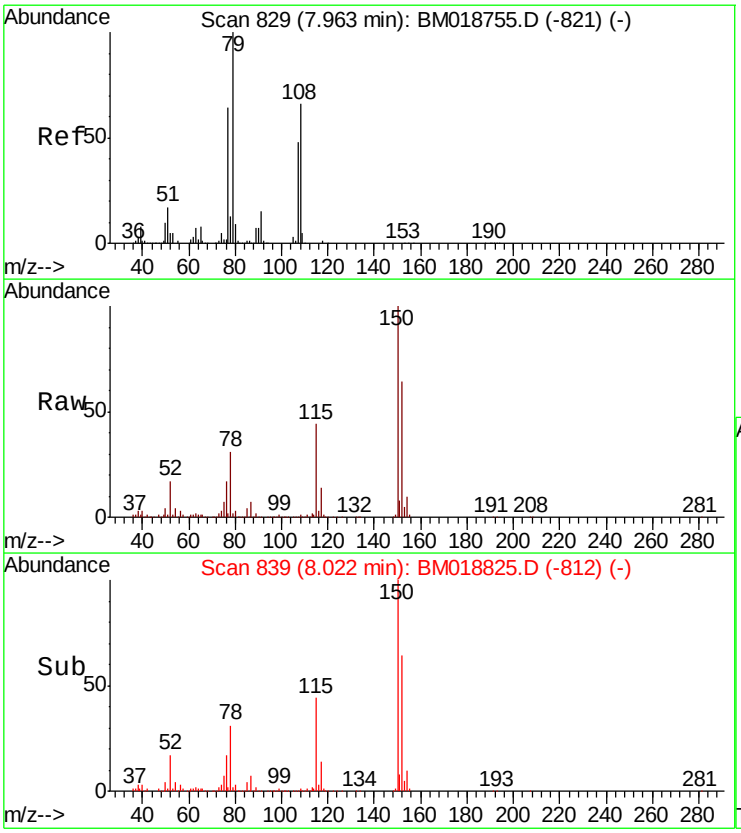

#9
Benzaldehyde
Concen: 11.353 ng
RT: 6.89 min Scan# 646
Delta R.T. 0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion: 77 Resp: 8437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 9.8 | 67.3 | 107.3# |
| 106 | 0.0 | 62.9 | 102.9# |

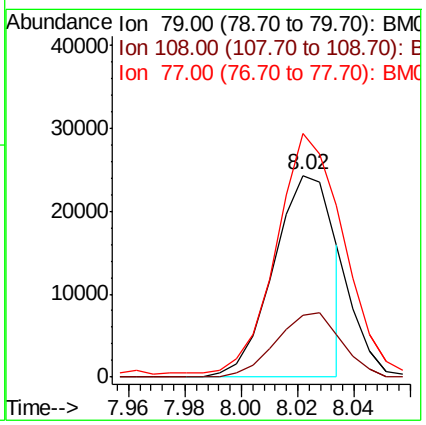


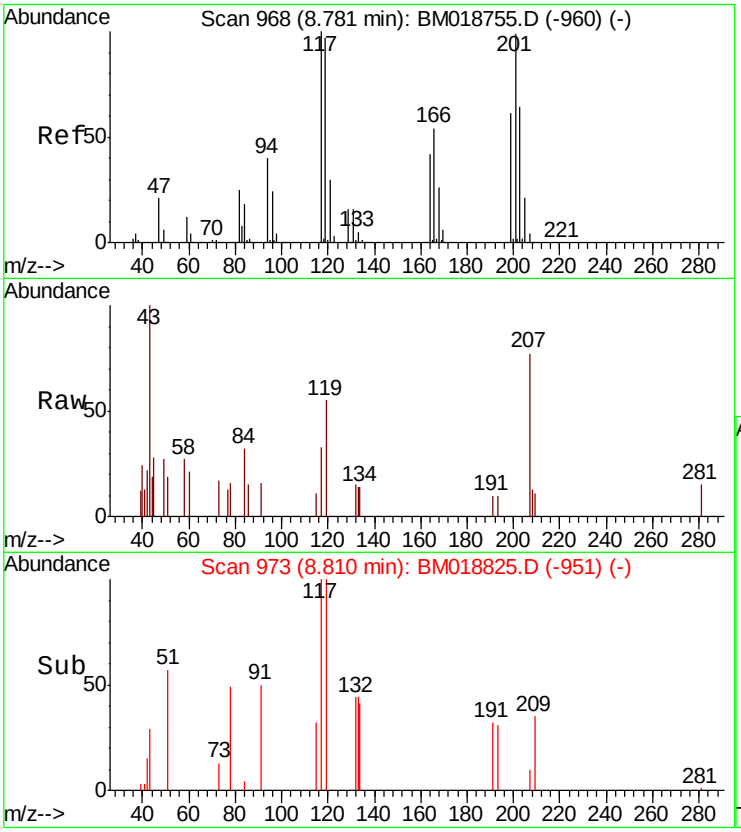




#15
Benzyl Alcohol
Concen: 43.484 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.06 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion: 79 Resp: 36083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 30.7 | 52.7 | 79.1# |
| 77 | 120.8 | 51.0 | 76.4# |



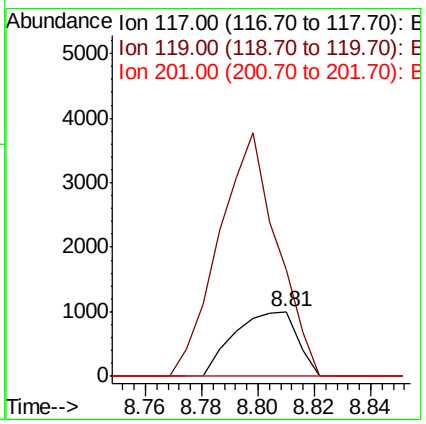


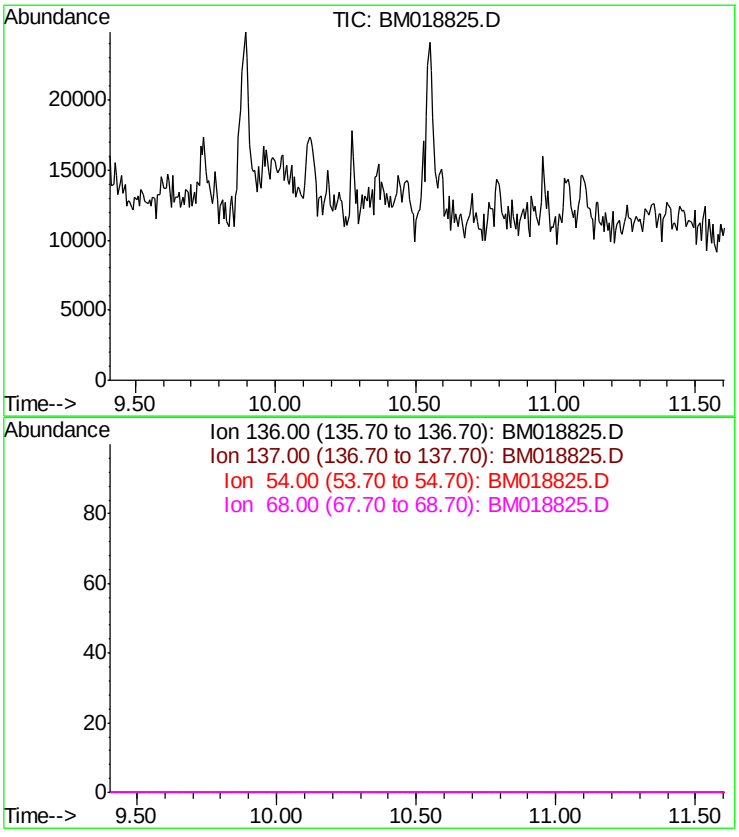

#18
Hexachloroethane
Concen: 4.563 ng
RT: 8.81 min Scan# 973
Delta R.T. 0.03 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:117 Resp: 1552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 165.3 | 77.9 | 116.9# |
| 201 | 0.0 | 79.2 | 118.8# |



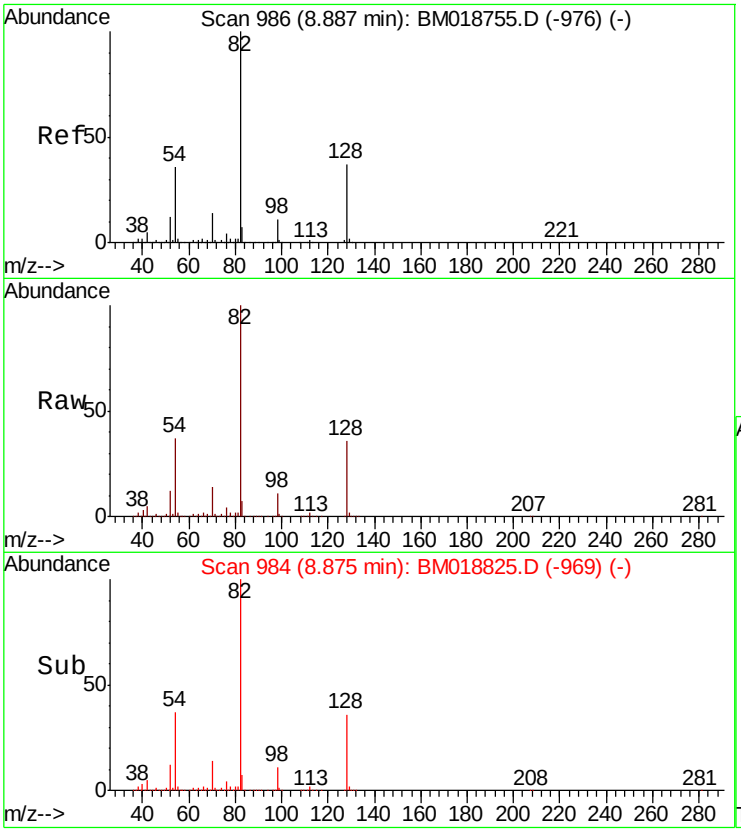




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.50 min

Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion: 136

| Sig | Exp Ratio |
|---|---|
| 136 | 100 |
| 137 | 11.0 |
| 54 | 6.3 |
| 68 | 6.9 |

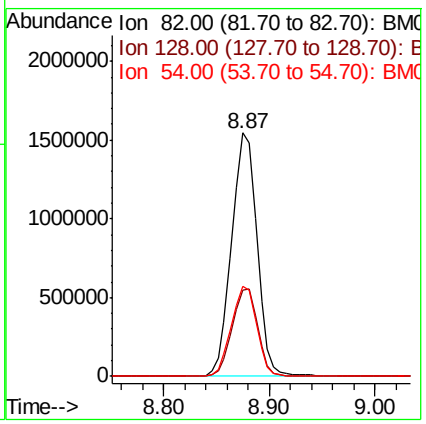


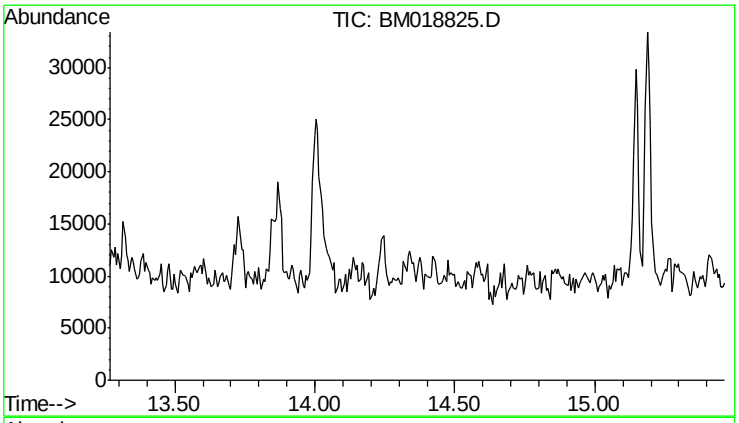

#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion: 82 Resp: 2570749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.5 | 29.9 | 44.9 |
| 54 | 36.8 | 29.1 | 43.7 |



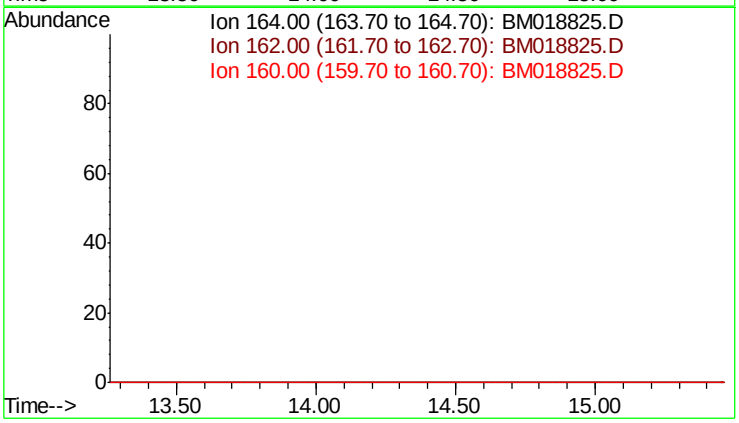



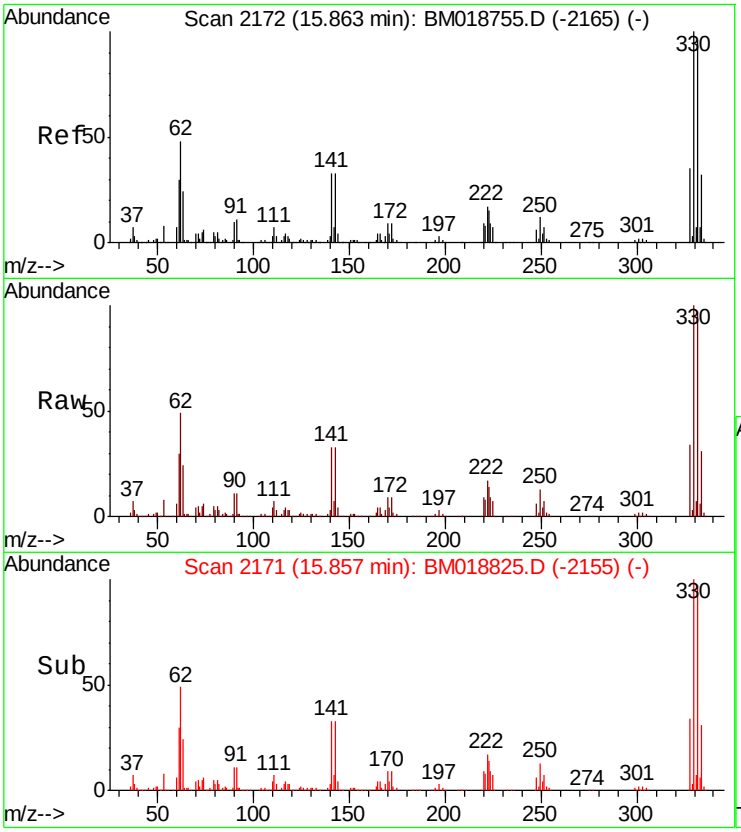

#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 14.36 min

Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion: 164

| Sig | Exp Ratio |
|---|---|
| 164 | 100 |
| 162 | 104.2 |
| 160 | 45.8 |



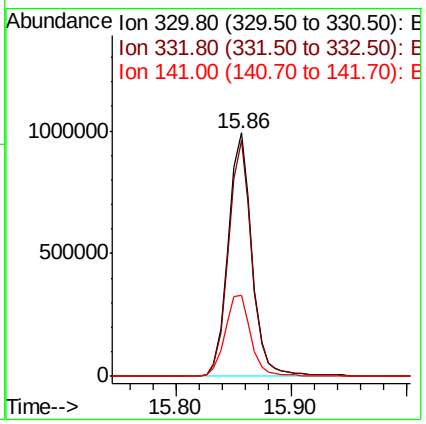


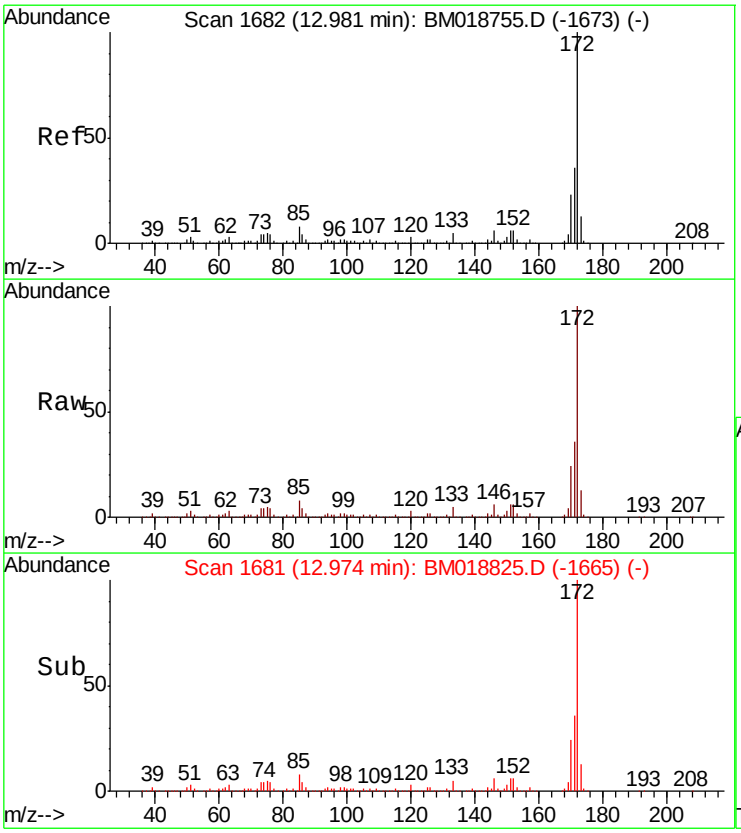

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 15.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:330 Resp: 1415559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.9 | 115.3 |
| 141 | 36.3 | 28.7 | 43.1 |

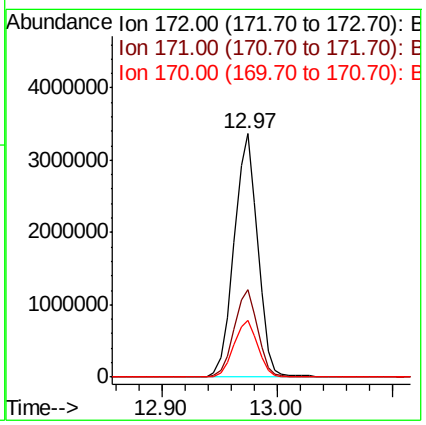


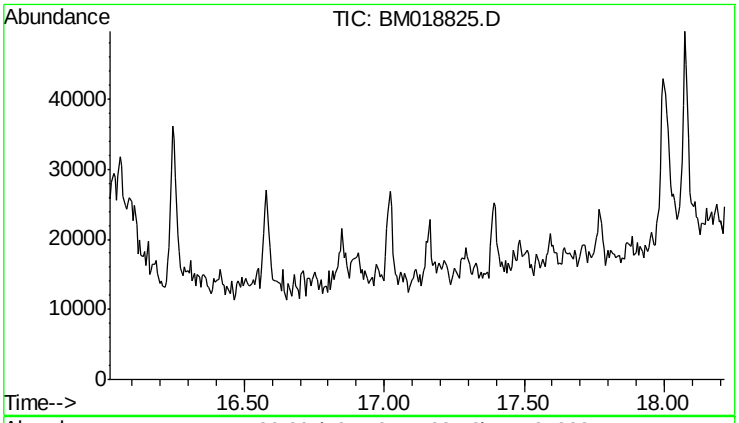




#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 12.97 min Scan# 1681
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:172 Resp: 4789413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.0 | 43.6 |
| 170 | 23.5 | 18.6 | 28.0 |





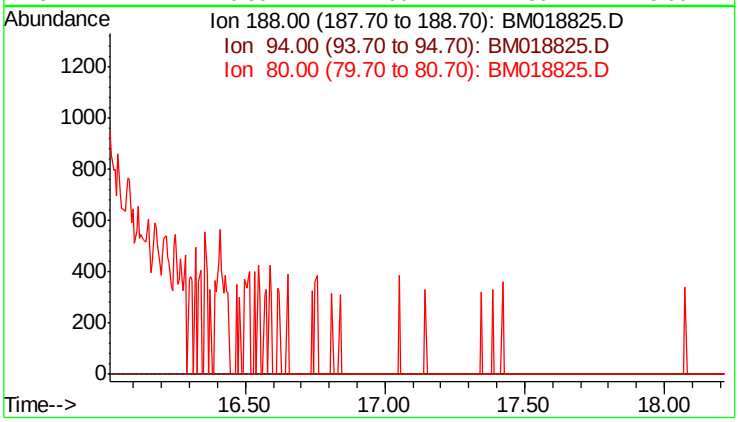

#64
Phenanthrene-d10
Concen: 0.000 ng
Expected RT: 17.12 min

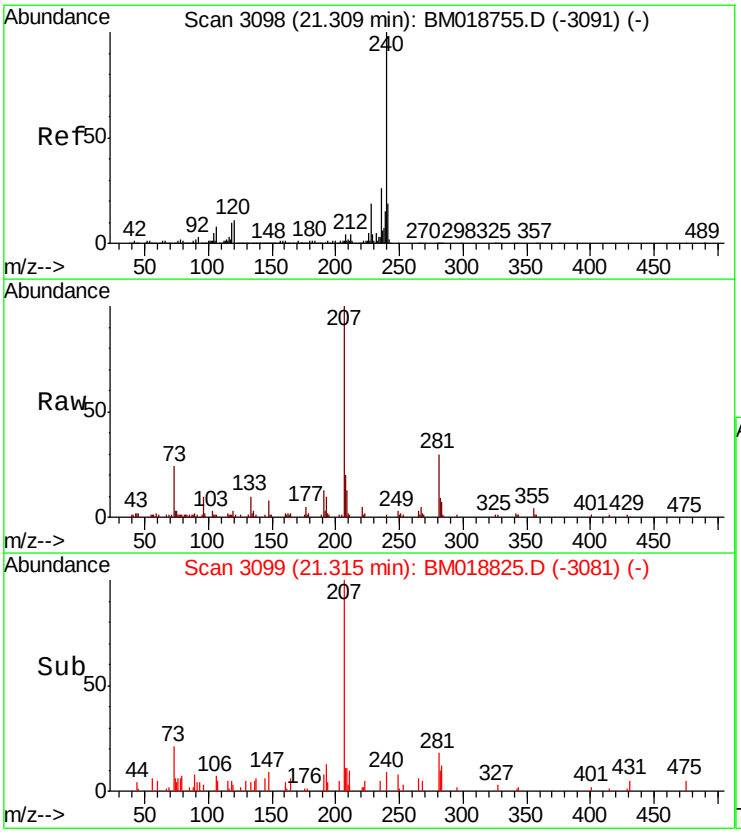
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion: 188

| Sig | Exp Ratio |
|---|---|
| 188 | 100 |
| 94 | 10.2 |
| 80 | 12.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

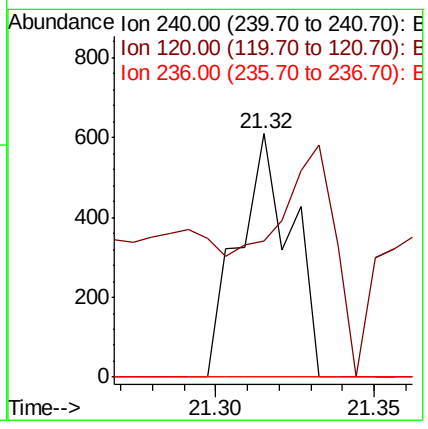


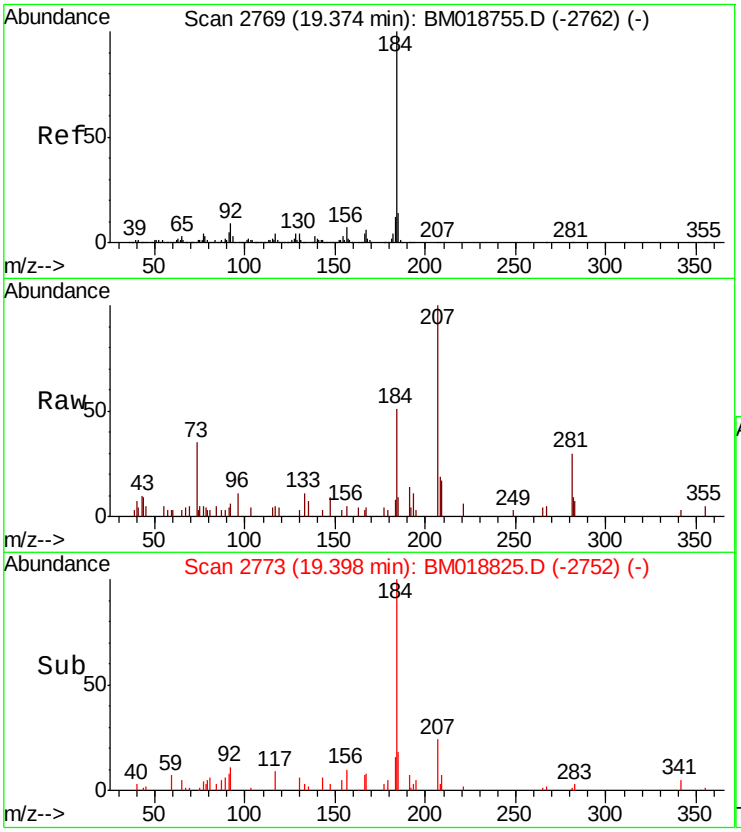




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.32 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:240 Resp: 708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 55.9 | 8.9 | 13.3# |
| 236 | 0.0 | 20.9 | 31.3# |



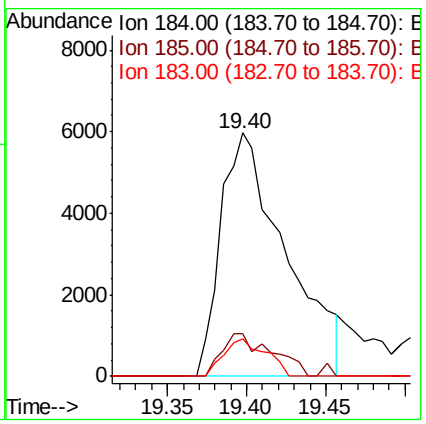


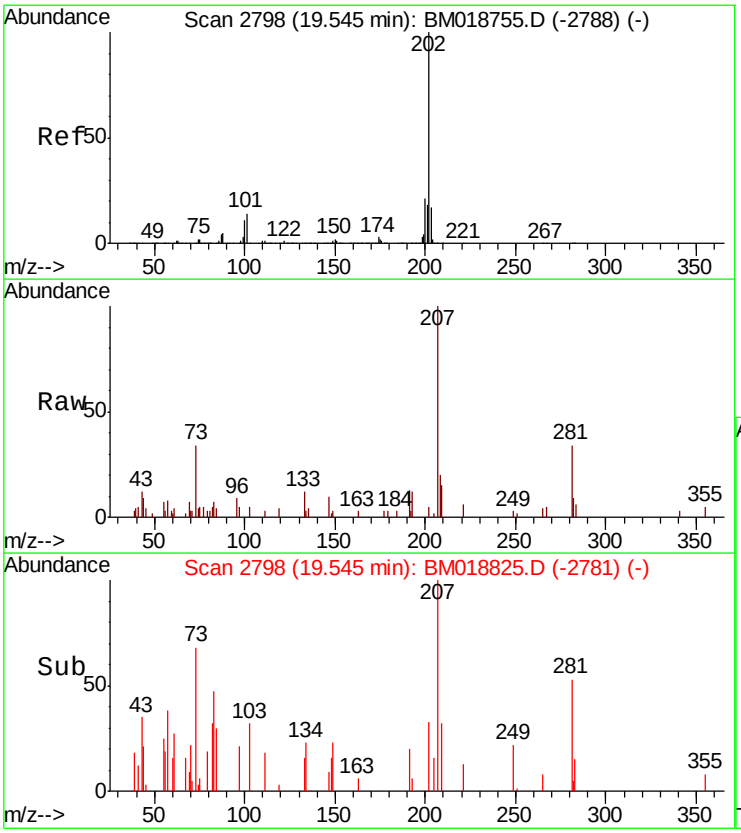

#77
Benzidine
Concen: 1061.576 ng
RT: 19.40 min Scan# 2773
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:184 Resp: 16927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.6 | 11.2 | 16.8# |
| 183 | 15.5 | 9.7 | 14.5# |

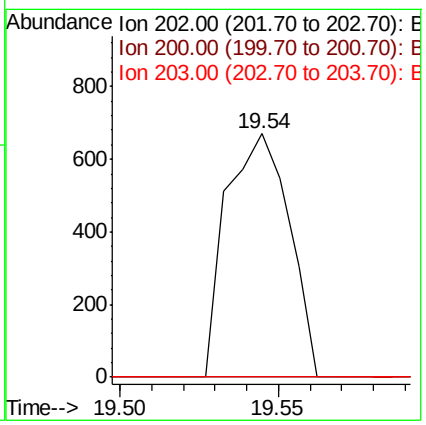


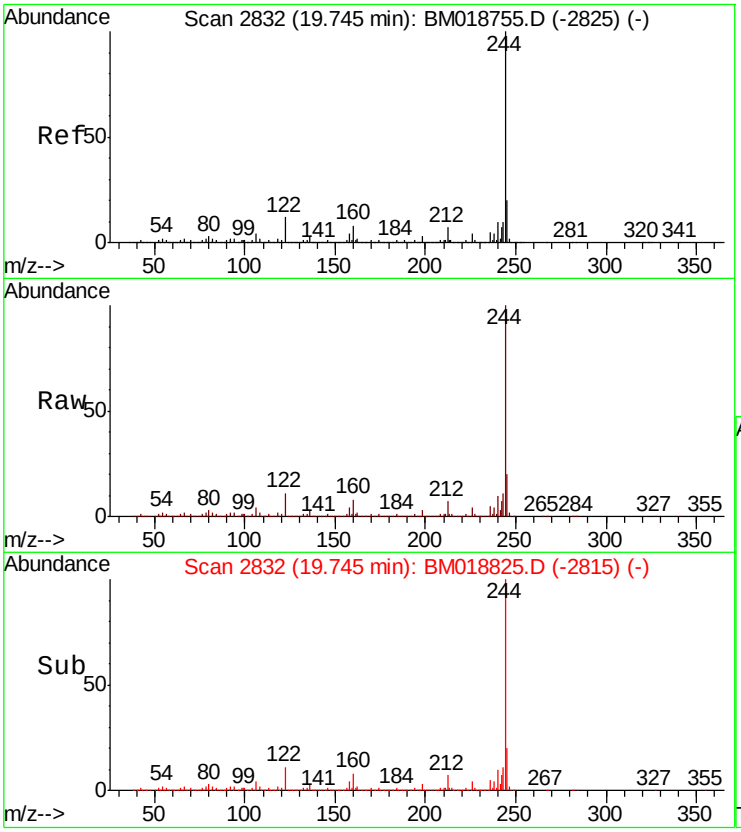




#78
Pyrene
Concen: 22.398 ng
RT: 19.54 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:202 Resp: 921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 16.9 | 25.3# |
| 203 | 0.0 | 13.8 | 20.8# |



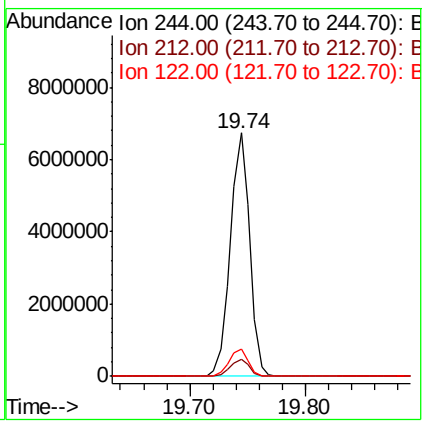


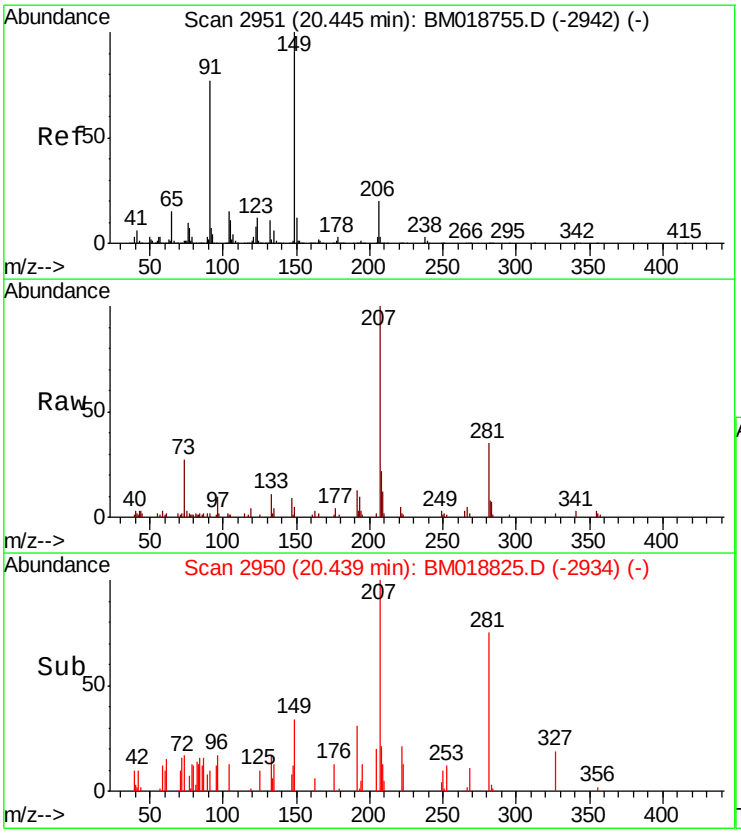

#79
Terphenyl-d14
Concen: 227650.234 ng
RT: 19.74 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:244 Resp: 7813110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 11.3 | 9.3 | 13.9 |

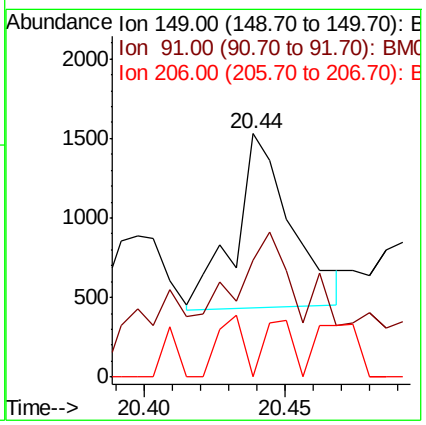


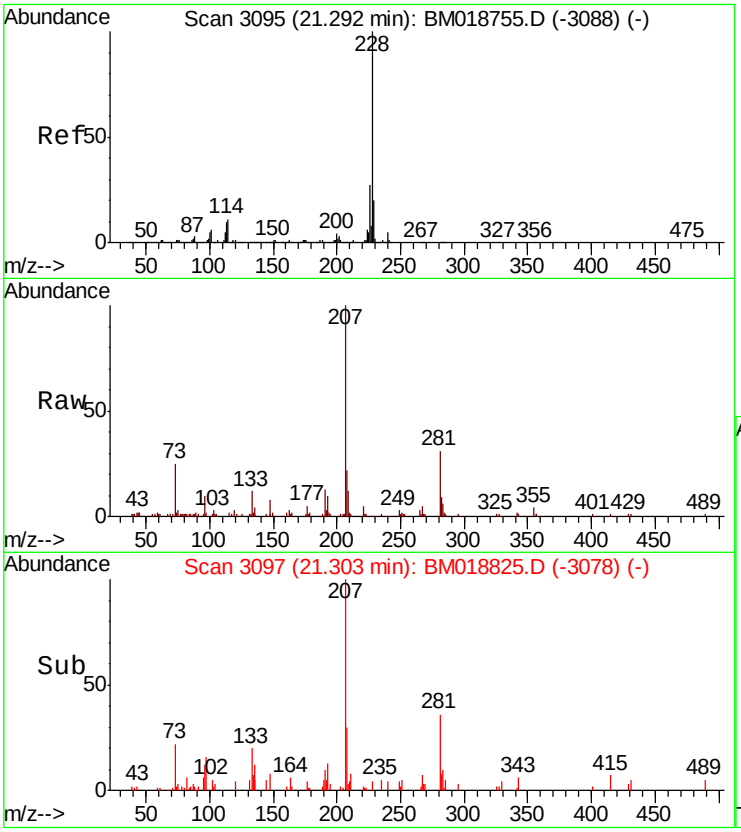




#80
Butylbenzylphthalate
Concen: 81.110 ng
RT: 20.44 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:149 Resp: 1520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 48.2 | 61.4 | 92.0# |
| 206 | 0.0 | 15.8 | 23.8# |



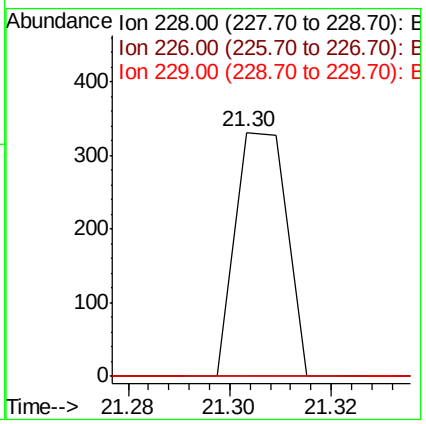


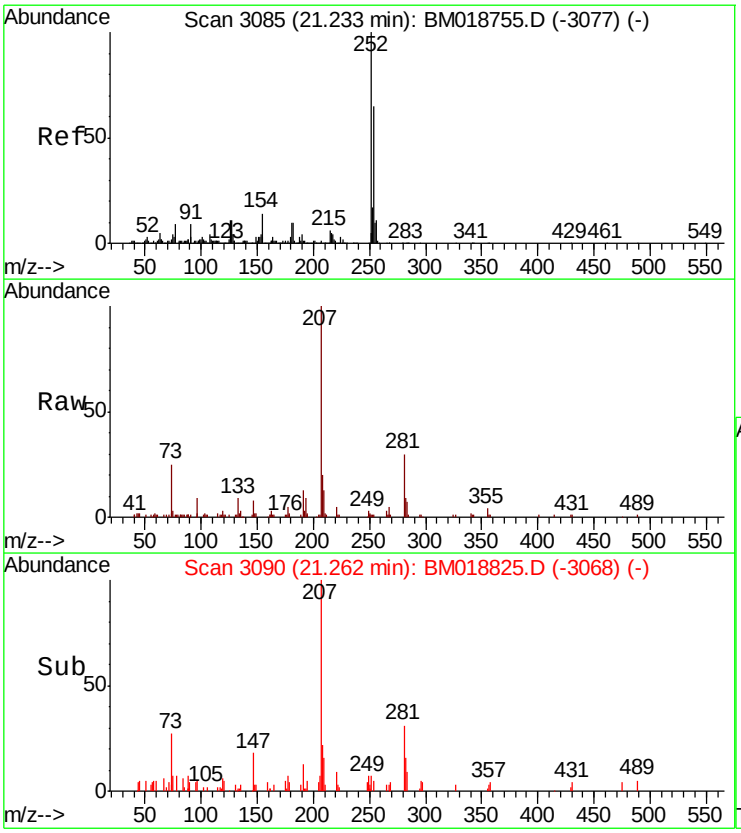

#81
Benzo(a)anthracene
Concen: 5.646 ng
RT: 21.30 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:228 Resp: 233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 21.9 | 32.9# |
| 229 | 0.0 | 15.9 | 23.9# |

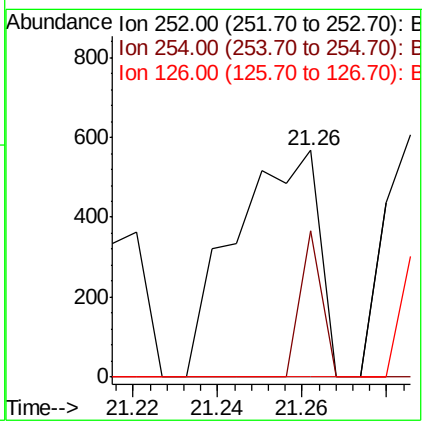


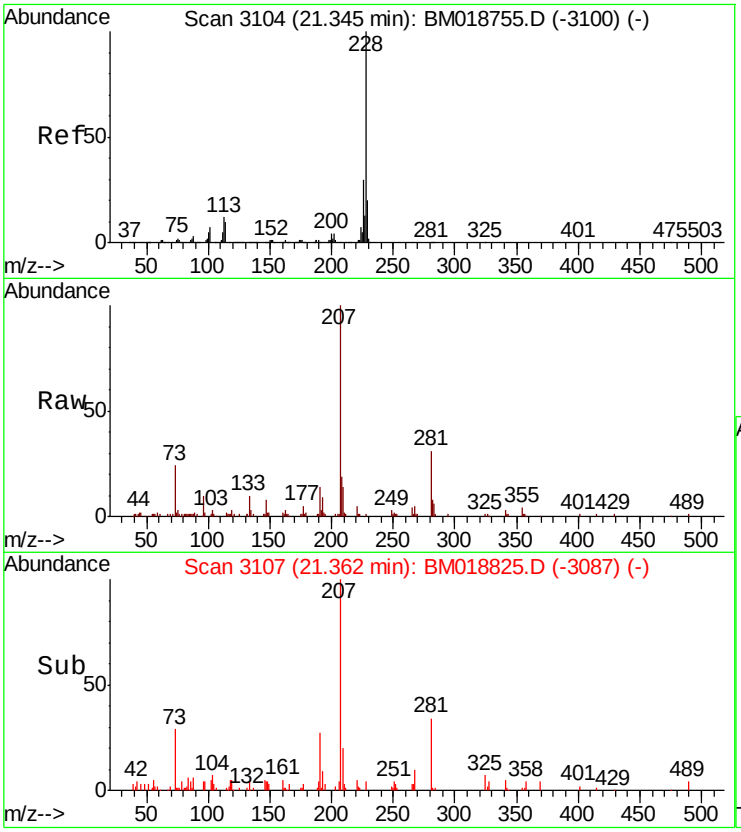




#82
3,3'-Dichlorobenzidine
Concen: 48.066 ng
RT: 21.26 min Scan# 3090
Delta R.T. 0.03 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:252 Resp: 784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.8 | 77.8 |
| 126 | 0.0 | 9.1 | 13.7# |



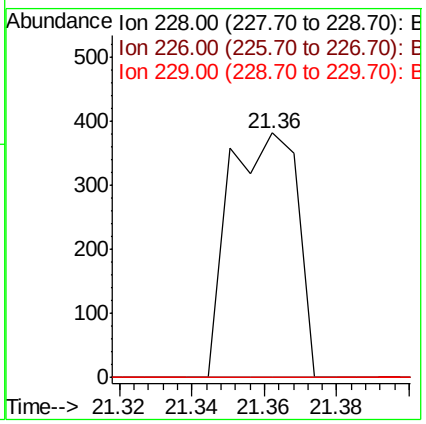


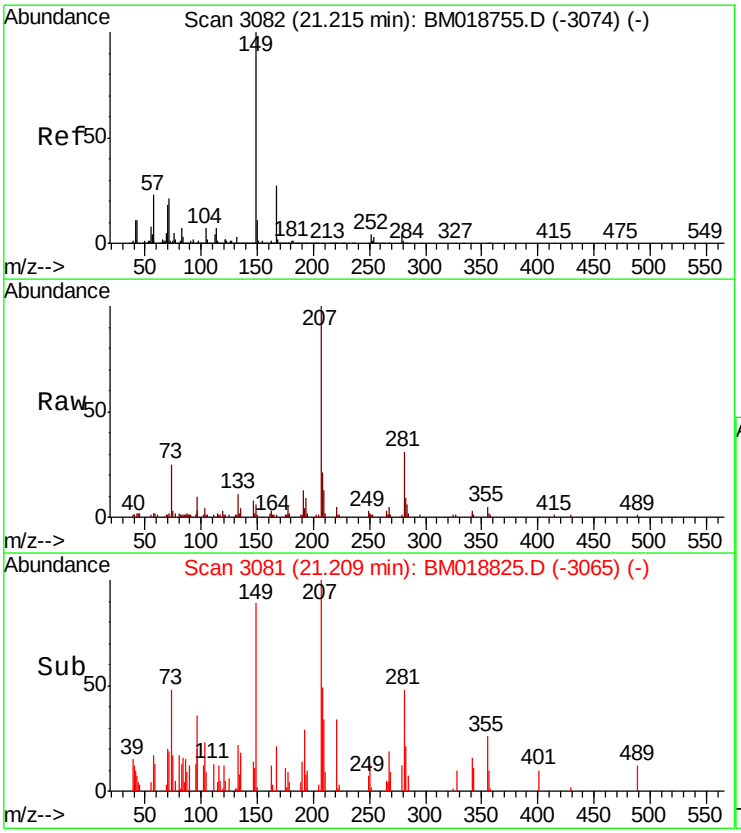

#83
Chrysene
Concen: 12.539 ng
RT: 21.36 min Scan# 3107
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:228 Resp: 496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 24.1 | 36.1# |
| 229 | 0.0 | 16.0 | 24.0# |

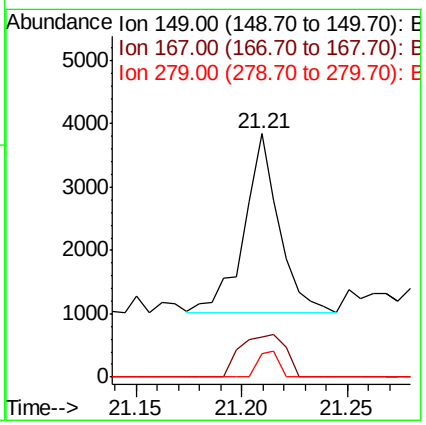


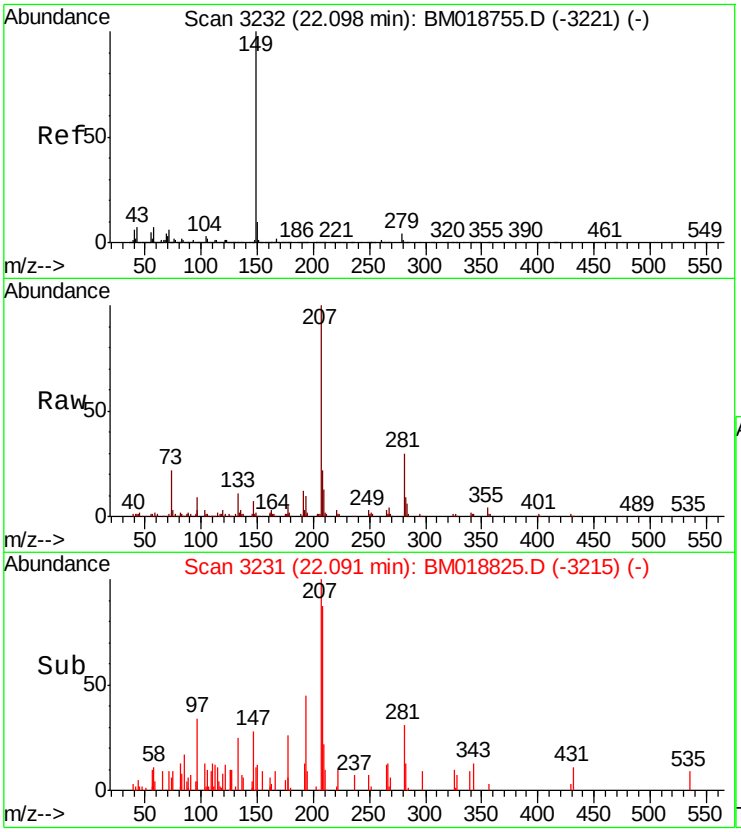




#84
Bis(2-ethylhexyl)phthalate
Concen: 118.127 ng
RT: 21.21 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:149 Resp: 3240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 16.7 | 21.8 | 32.6# |
| 279 | 9.6 | 3.6 | 5.4# |



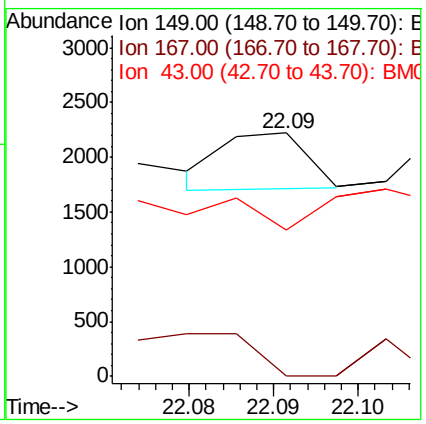


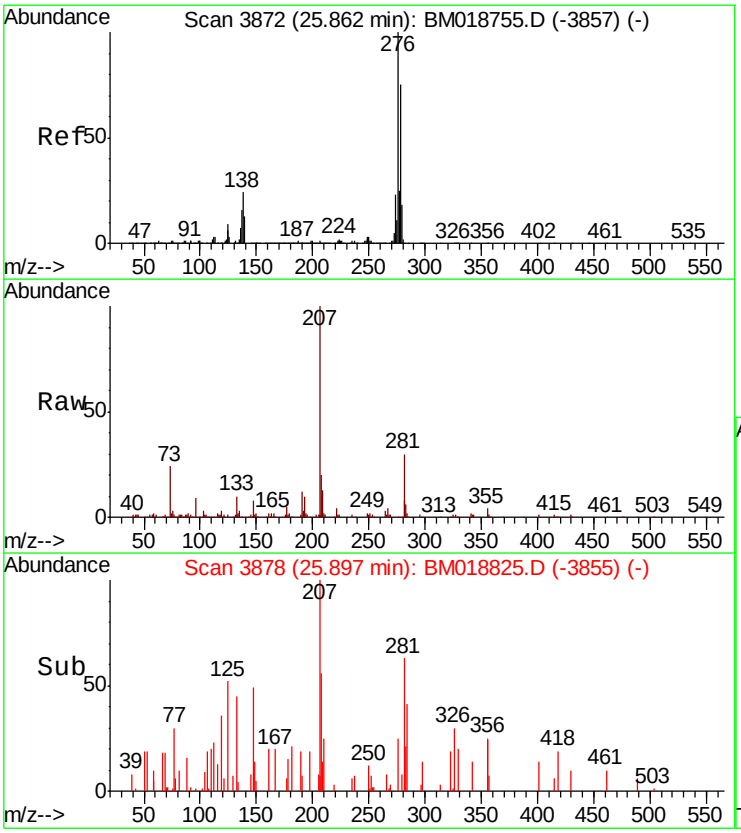

#85
Di-n-octyl phthalate
Concen: 7.896 ng
RT: 22.09 min Scan# 3231
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:149 Resp: 364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.7 | 1.3 | 1.9# |
| 43 | 95.6 | 6.0 | 9.0# |

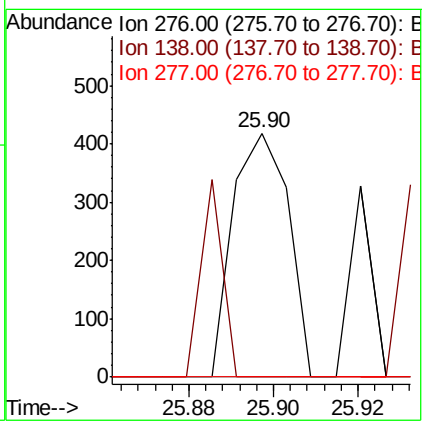


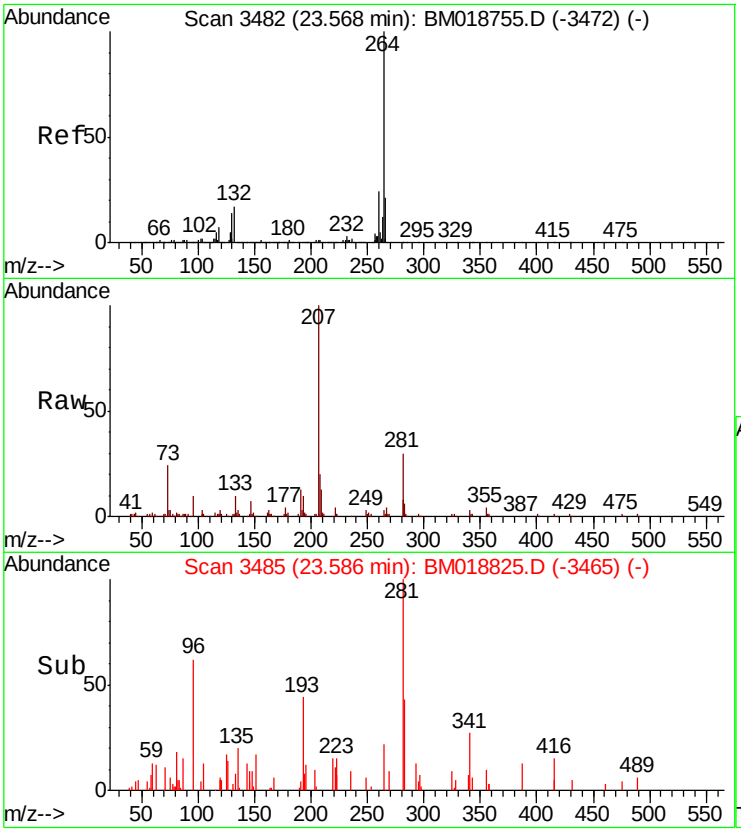




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.364 ng
RT: 25.90 min Scan# 3878
Delta R.T. 0.04 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:276 Resp: 382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.2 | 20.2 | 30.4# |
| 277 | 0.0 | 20.3 | 30.5# |



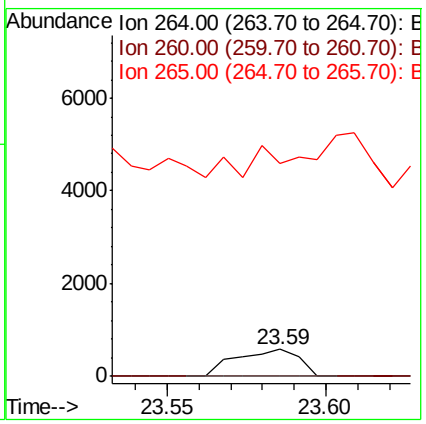


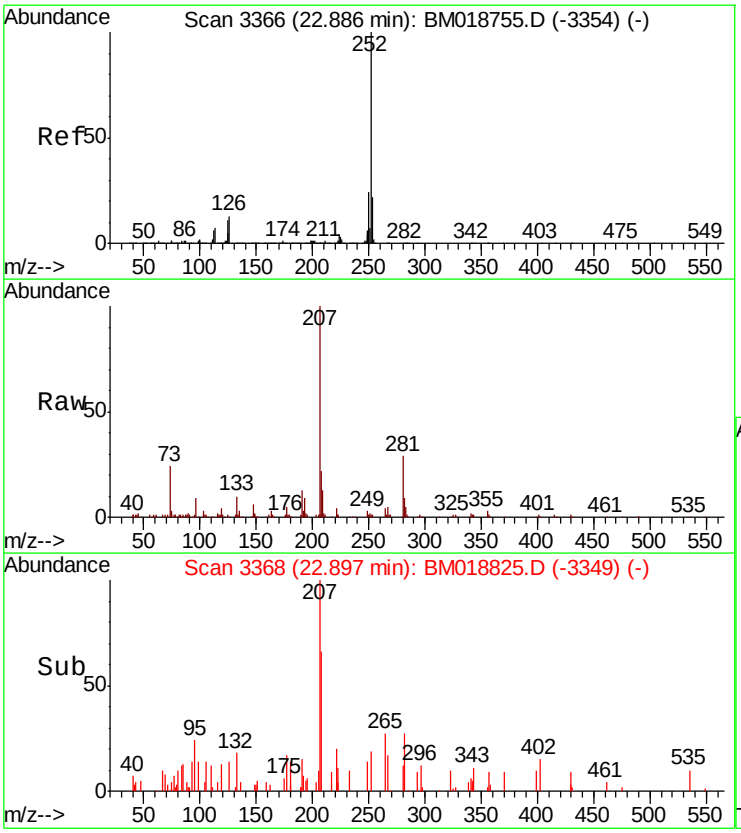

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.59 min Scan# 3485
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:264 Resp: 801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 0.0 | 18.9 | 28.3# |
| 265 | 782.9 | 17.3 | 25.9# |

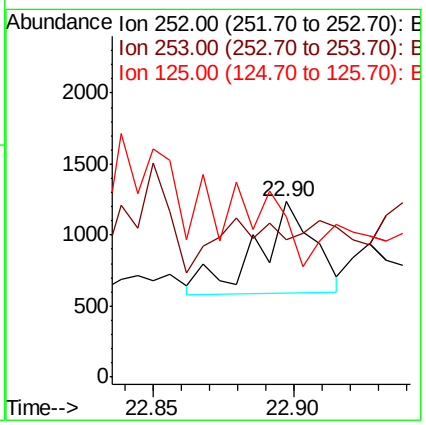


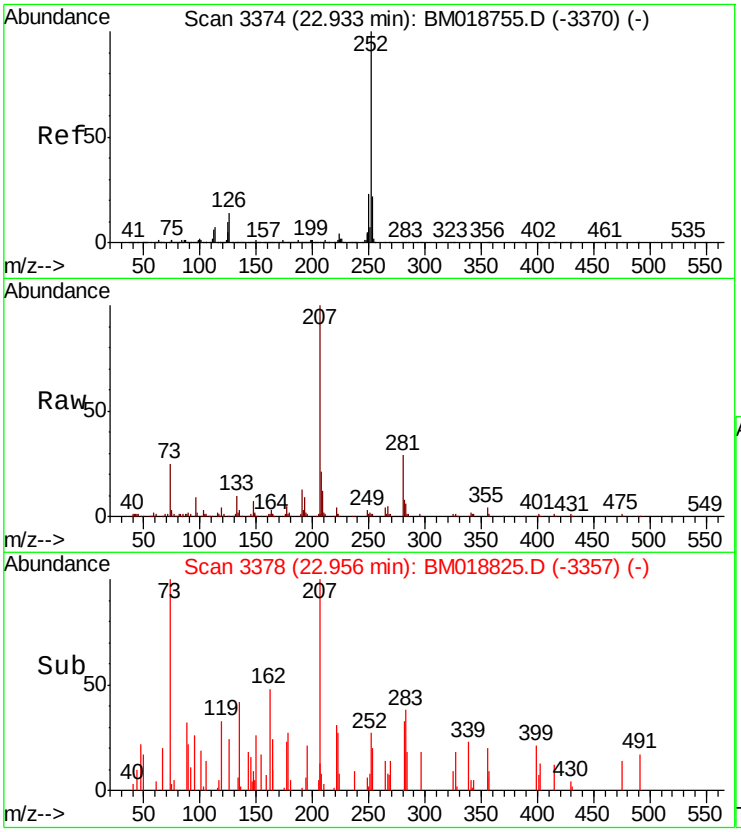




#88
Benzo(b)fluoranthene
Concen: 19.508 ng
RT: 22.90 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:252 Resp: 894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 78.1 | 17.8 | 26.6# |
| 125 | 91.3 | 8.6 | 12.8# |



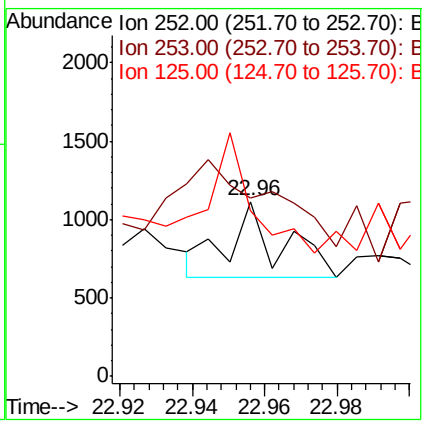


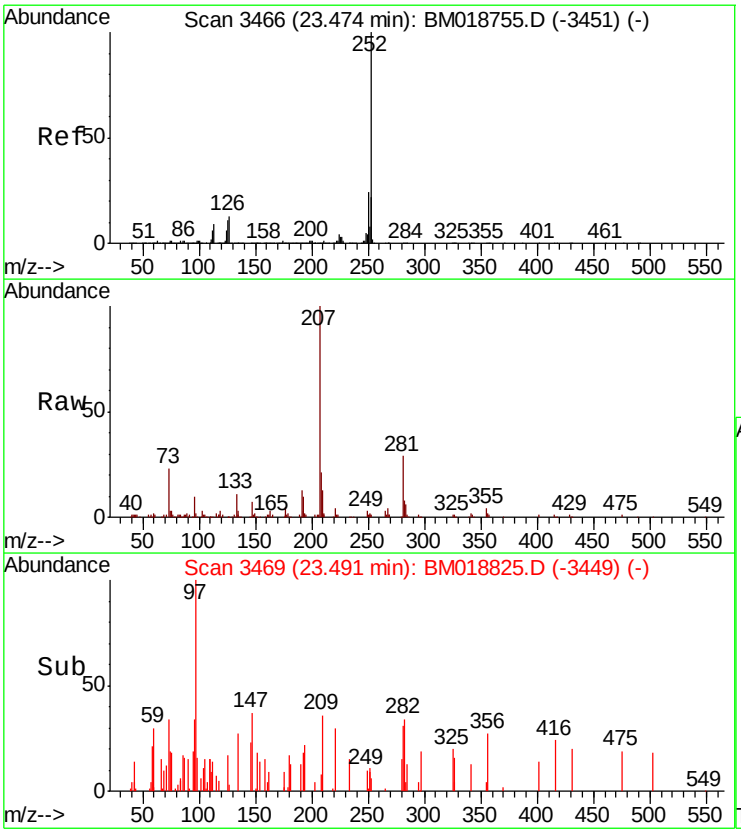

#89
Benzo(k)fluoranthene
Concen: 10.827 ng
RT: 22.96 min Scan# 3378
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:252 Resp: 494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 102.3 | 17.7 | 26.5# |
| 125 | 95.1 | 8.2 | 12.4# |

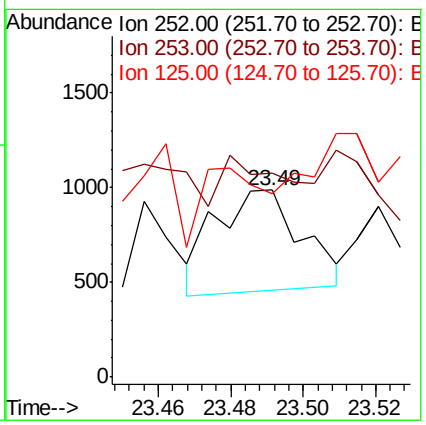


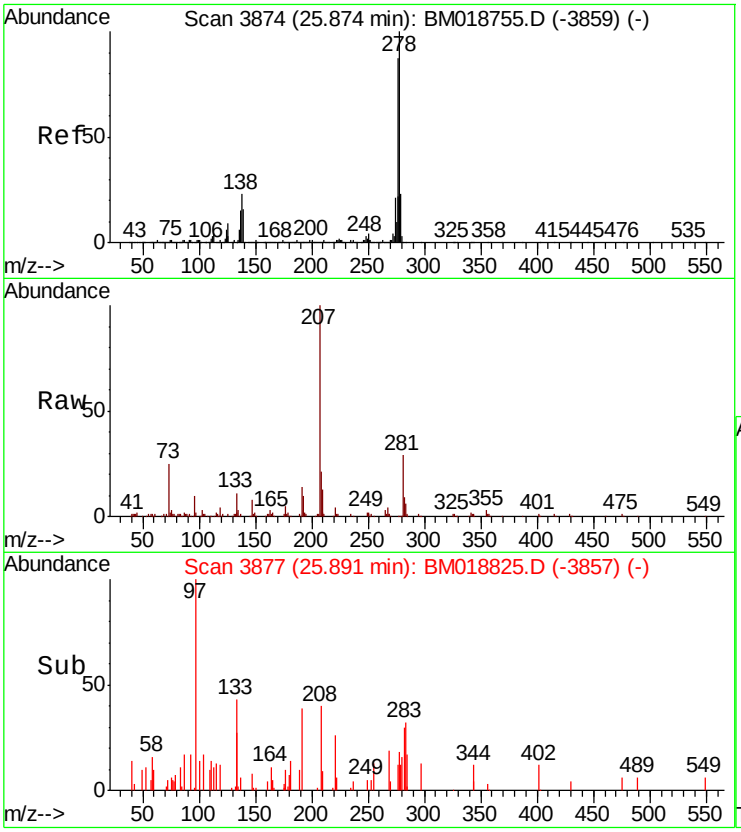




#90
Benzo(a)pyrene
Concen: 20.247 ng
RT: 23.49 min Scan# 3469
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:252 Resp: 879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 109.3 | 17.4 | 26.0# |
| 125 | 98.3 | 8.6 | 13.0# |



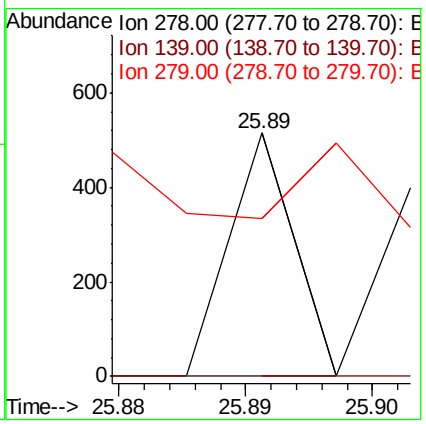


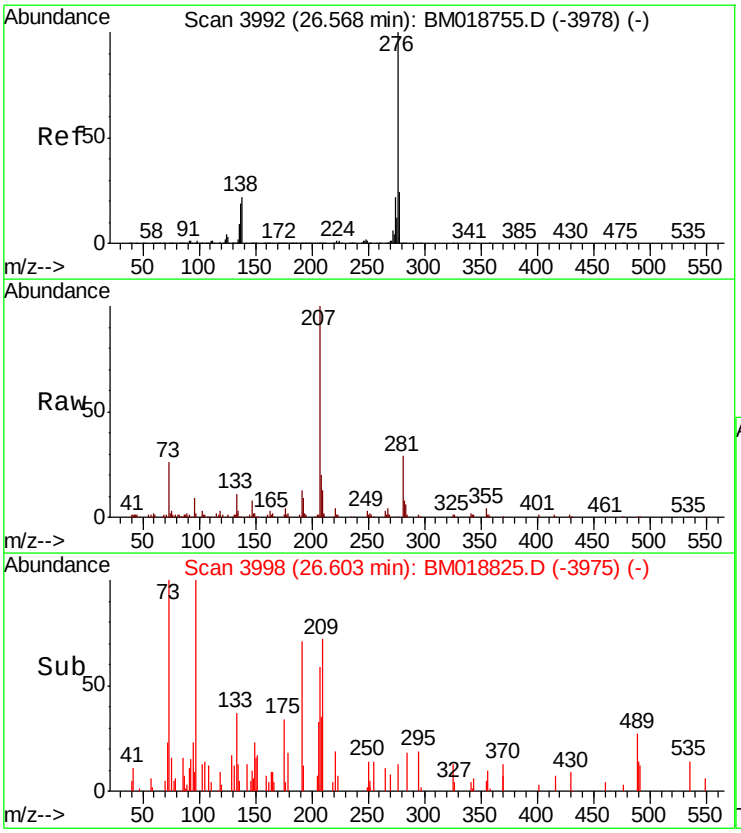

#91
Dibenzo(a,h)anthracene
Concen: 4.231 ng
RT: 25.89 min Scan# 3877
Delta R.T. 0.02 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

**Instrument :**
BNA_M
**ClientSampleId :**
M-3-S

Tgt Ion:278 Resp: 182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 12.6 | 18.8# |
| 279 | 64.9 | 18.6 | 28.0# |




#92
Benzo(g,h,i)perylene
Concen: 2.947 ng
RT: 26.60 min Scan# 3998
Delta R.T. 0.04 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:276 Resp: 118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 0.0 | 19.2 | 28.8# |
| 138 | 0.0 | 17.3 | 25.9# |