

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010698.D
 Acq On : 23 Jun 2017 20:02
 Operator : SJ/JU
 Sample : I3625-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B82

Quant Time: Jun 24 04:40:25 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 24 04:37:39 2017
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 71150 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.22 | 136 | 327603 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.11 | 164 | 220250 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.87 | 188 | 507920 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.09 | 240 | 562648 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.23 | 264 | 423712 | 20.00 | ng/ul | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 6370 | 5.13 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.65 | 99 | 168275 | 24.83 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.81 | 67 | 100303 | 25.92 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.00 | 132 | 132551 | 27.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.16 | 113 | 159556 | 28.39 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.60 | 128 | 76779 | 32.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.32 | 143 | 91764 | 34.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.85 | 165 | 178594 | 31.50 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 175099 | 29.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.53 | 166 | 605436 | 31.31 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.80 | 160 | 719790 | 32.01 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.32 | 143 | 92909 | 27.31 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.12 | 176 | 526686 | 31.51 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 97953 | 31.40 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 16.87 | 188 | 507920 | 20.71 | ng/ul | -0.10 |
| 76) Pyrene-d10 | 19.28 | 212 | 1138744 | 43.57 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.10 | 264 | 880855 | 43.01 | ng/ul | 0.01 |

Target Compounds

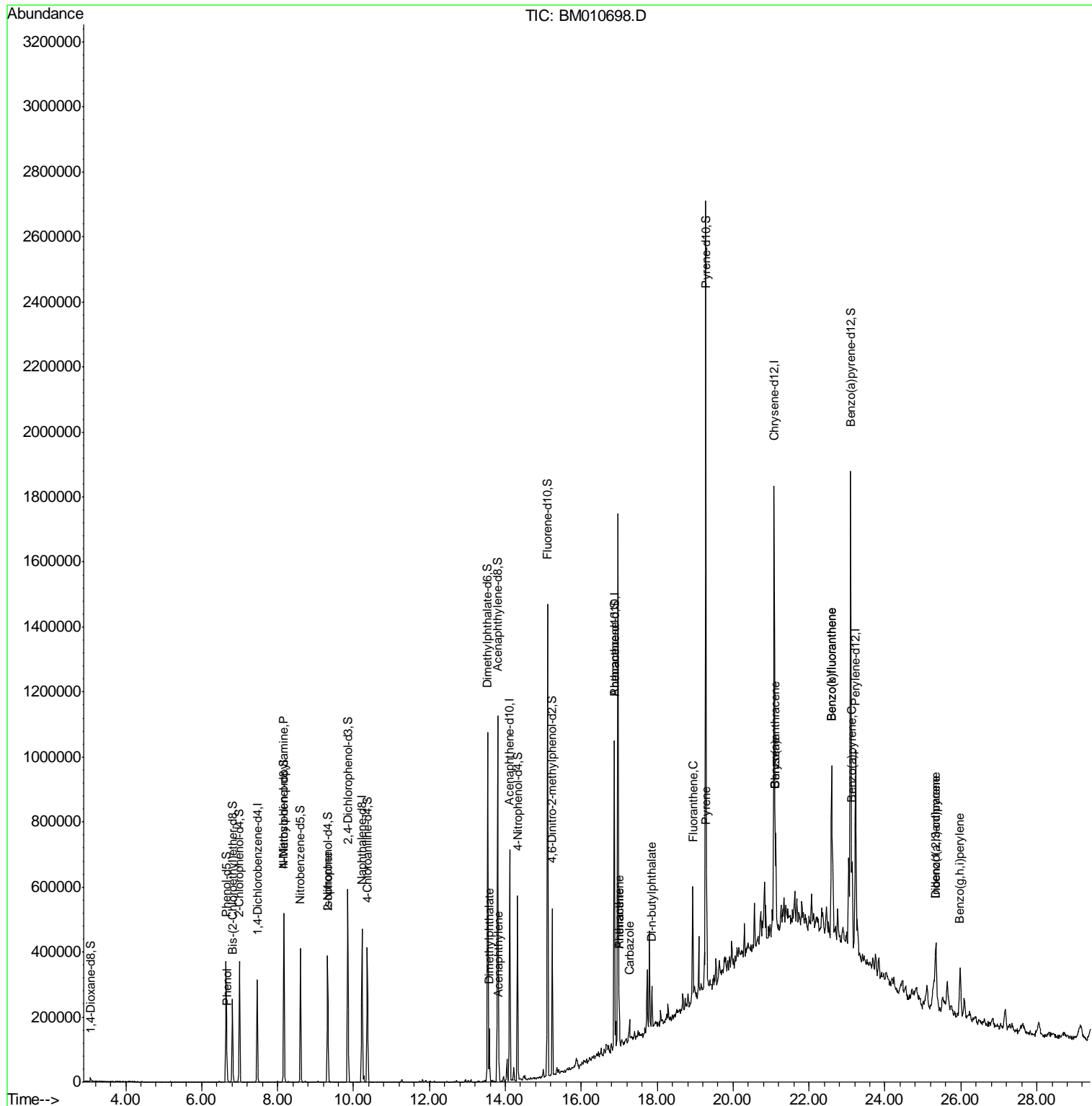
| | | | | | Qvalue |
|--------------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol | 6.67 | 94 | 11330 | 1.623 | ng/ul 90 |
| 15) N-Nitroso-di-n-propylamine | 8.16 | 70 | 5386 | 1.089 | ng/ul# 1 |
| 21) Isophorone | 9.32 | 82 | 14708 | 1.085 | ng/ul# 73 |
| 44) Dimethylphthalate | 13.58 | 163 | 83676 | 4.415 | ng/ul# 96 |
| 47) Acenaphthylene | 13.83 | 152 | 43581 | 2.035 | ng/ul 98 |
| 69) Phenanthrene | 17.00 | 178 | 83336 | 3.086 | ng/ul 99 |
| 71) Anthracene | 17.00 | 178 | 83336 | 2.996 | ng/ul 98 |
| 72) Carbazole | 17.27 | 167 | 34963 | 1.441 | ng/ul# 95 |
| 73) Di-n-butylphthalate | 17.86 | 149 | 74444 | 2.412 | ng/ul 97 |
| 74) Fluoranthene | 18.94 | 202 | 187583 | 5.390 | ng/ul# 97 |
| 77) Pyrene | 19.30 | 202 | 191935 | 5.906 | ng/ul 98 |
| 80) Benzo(a)anthracene | 21.12 | 228 | 198386 | 6.055 | ng/ul 96 |
| 82) Chrysene | 21.12 | 228 | 198483 | 6.794 | ng/ul 96 |
| 85) Benzo(b)fluoranthene | 22.59 | 252 | 403387 | 14.666 | ng/ul# 97 |
| 86) Benzo(k)fluoranthene | 22.59 | 252 | 403387 | 15.470 | ng/ul# 95 |
| 88) Benzo(a)pyrene | 23.13 | 252 | 174586 | 6.895 | ng/ul# 92 |
| 89) Indeno(1,2,3-cd)pyrene | 25.34 | 276 | 182596 | 6.953 | ng/ul 97 |
| 90) Dibenzo(a,h)anthracene | 25.34 | 278 | 47377 | 2.165 | ng/ul# 81 |
| 91) Benzo(g,h,i)perylene | 25.98 | 276 | 176350 | 8.436 | ng/ul# 97 |

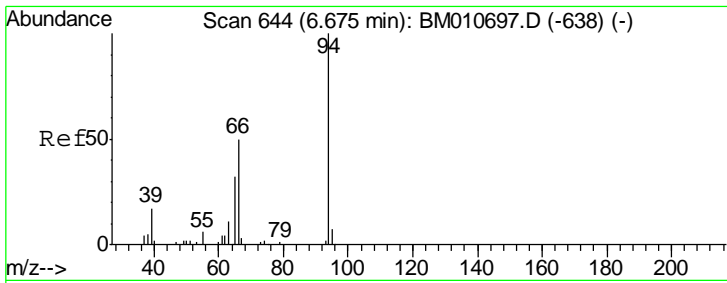
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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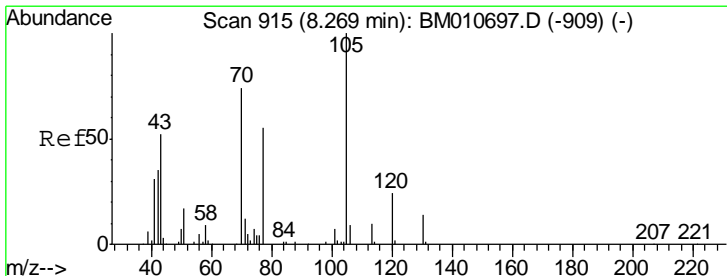
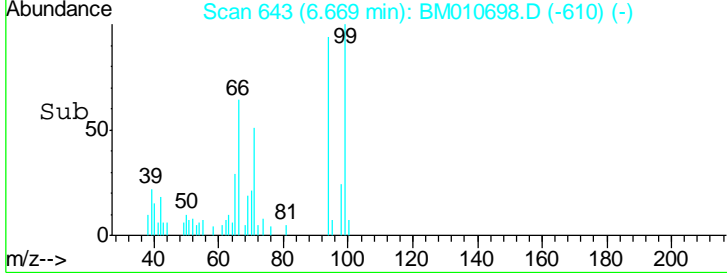
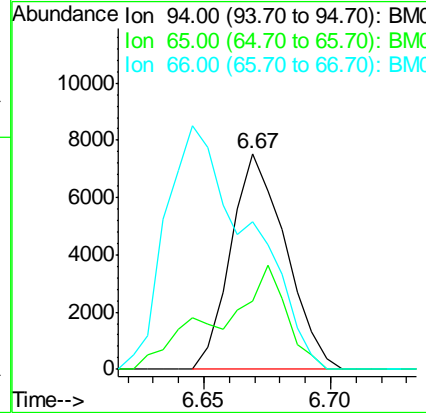
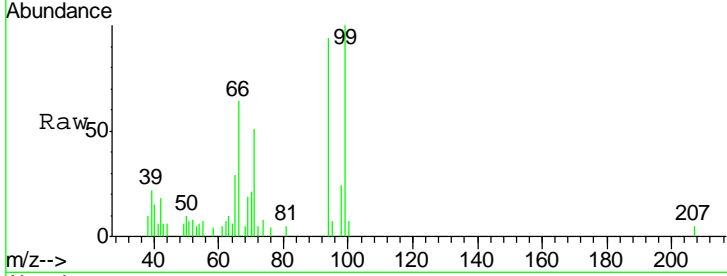




#6
 Phenol
 Concen: 1.623 ng/ul
 RT: 6.67 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

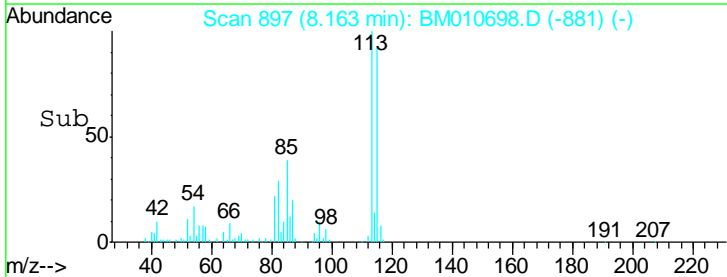
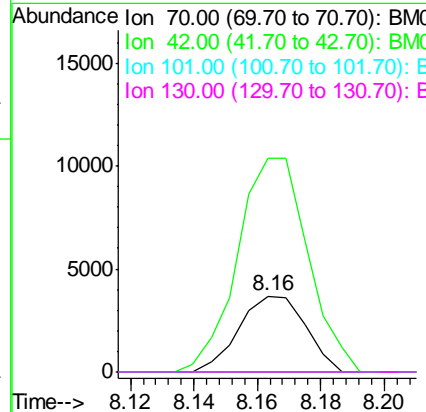
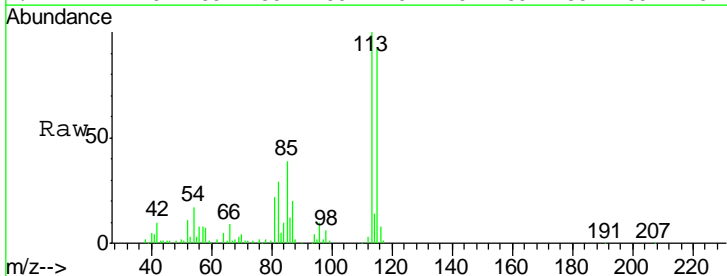
Instrument :
 BNA_M
 ClientSampled :
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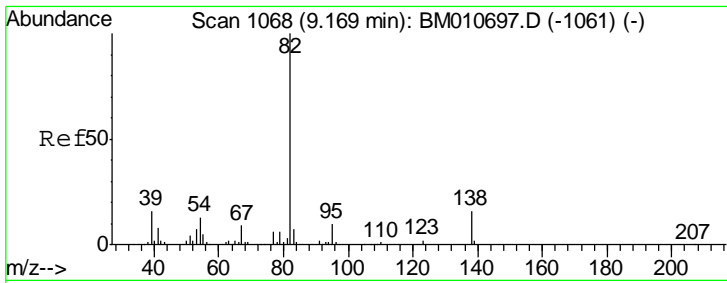
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 94 | 11330 | | |
| 65 | 31.4 | 28.2 | 42.4 |
| 66 | 68.2 | 47.2 | 70.8 |



#15
 N-Nitroso-di-n-propylamine
 Concen: 1.089 ng/ul
 RT: 8.16 min Scan# 897
 Delta R.T. -0.11 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 70 | 5386 | | |
| 42 | 282.3 | 41.1 | 61.7# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 0.0 | 14.6 | 22.0# |

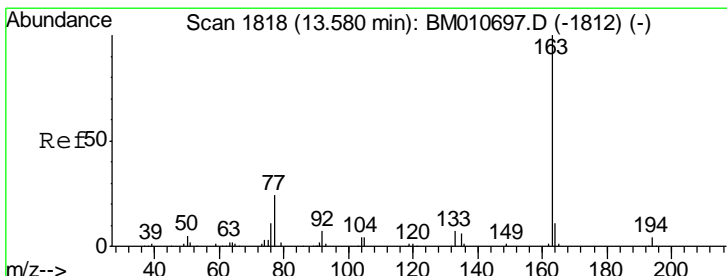
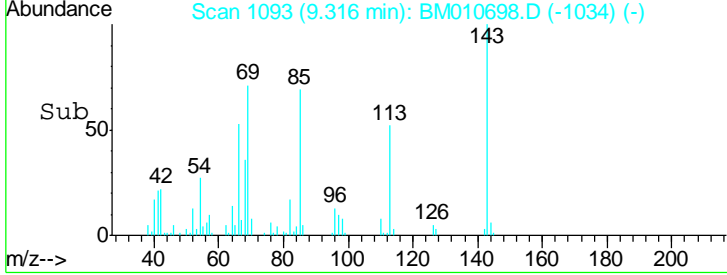
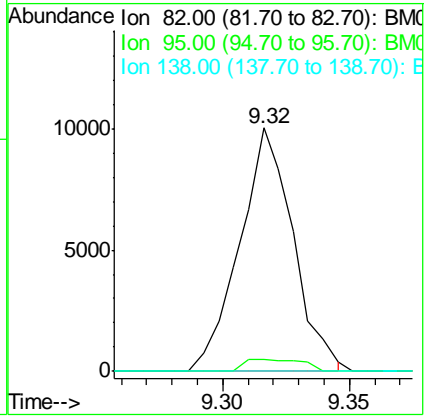
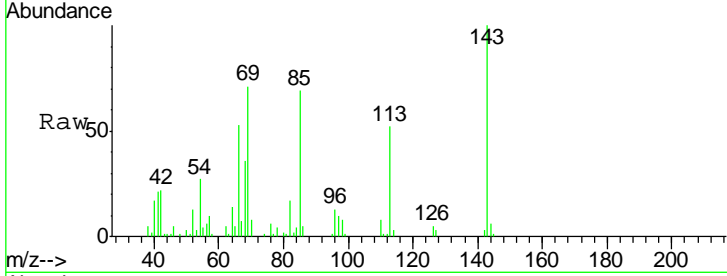




#21
 Isophorone
 Concen: 1.085 ng/ul
 RT: 9.32 min Scan# 1093
 Delta R.T. 0.15 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

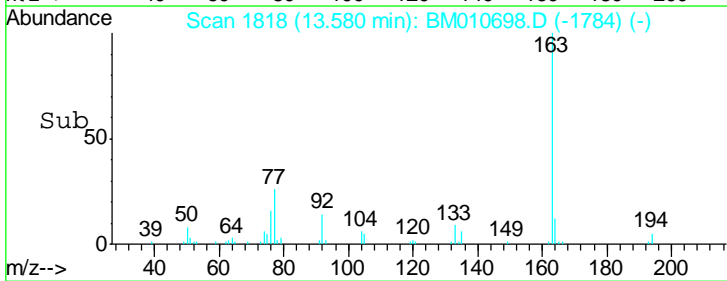
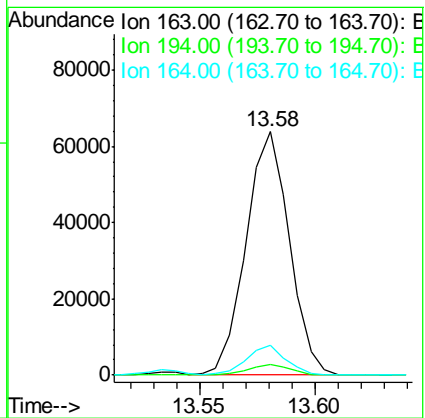
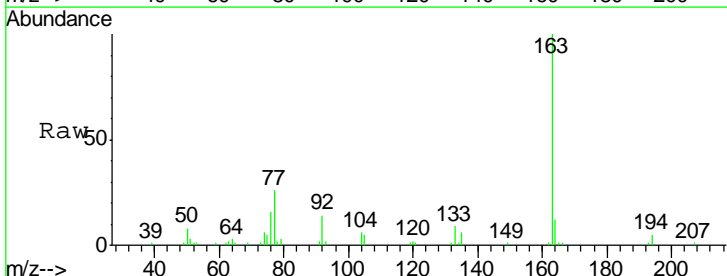
Instrument :
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ClientSampled :
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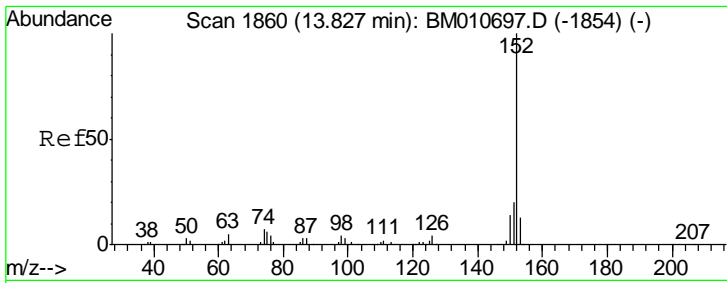
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 82 | 14708 | | |
| 95 | 5.1 | 7.8 | 11.8# |
| 138 | 0.0 | 11.9 | 17.9# |



#44
 Dimethylphthalate
 Concen: 4.415 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 163 | 83676 | | |
| 194 | 4.5 | 3.5 | 5.3 |
| 164 | 12.4 | 8.2 | 12.4# |

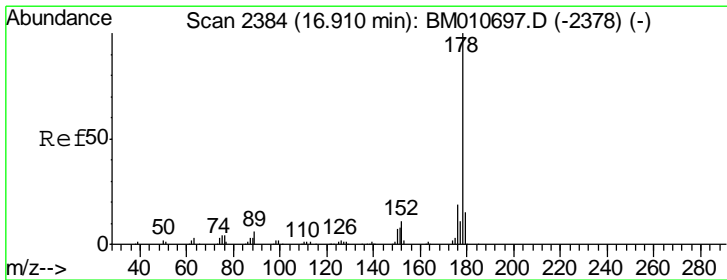
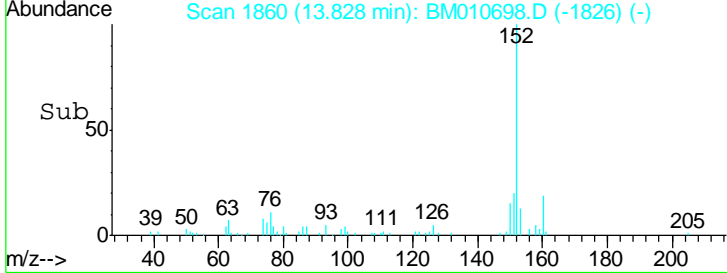
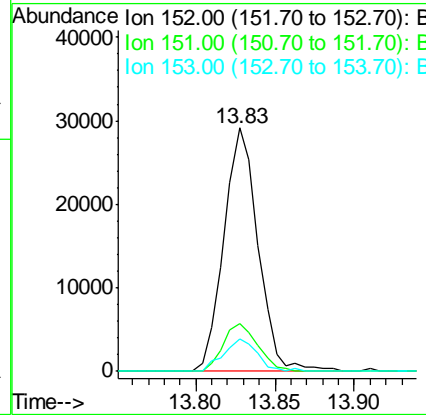
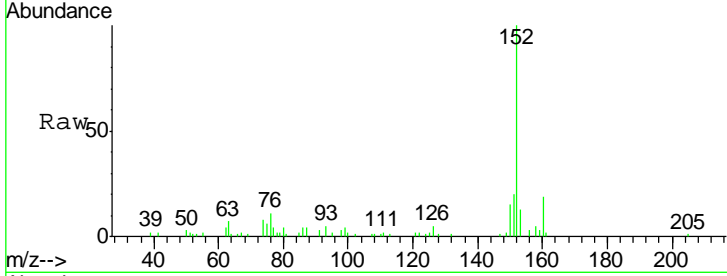




#47
 Acenaphthylene
 Concen: 2.035 ng/ul
 RT: 13.83 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

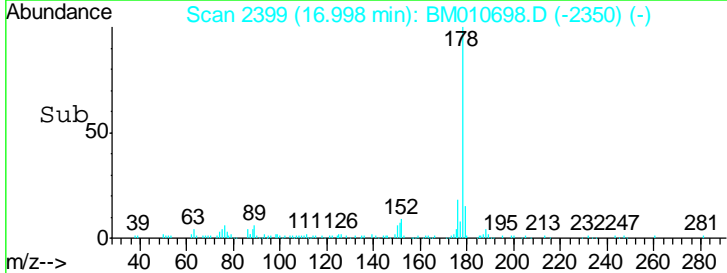
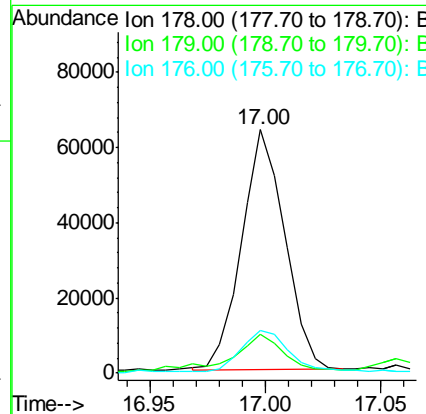
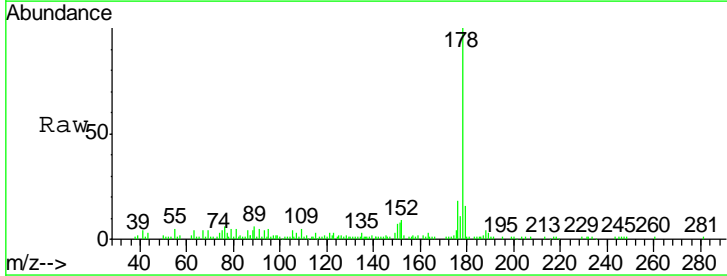
Instrument :
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 ClientSampled :
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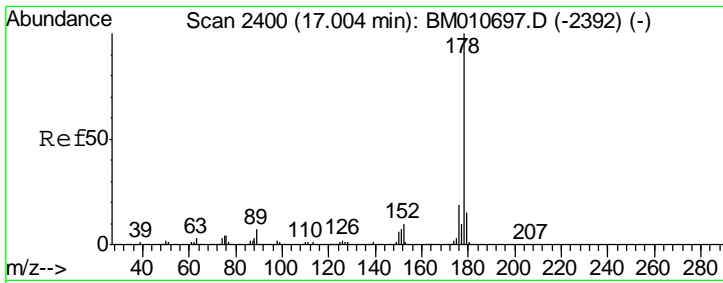
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 152 | 43581 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 13.5 | 10.2 | 15.4 |



#69
 Phenanthrene
 Concen: 3.086 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. 0.09 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 178 | 83336 | | |
| 179 | 15.9 | 12.6 | 19.0 |
| 176 | 17.6 | 14.9 | 22.3 |

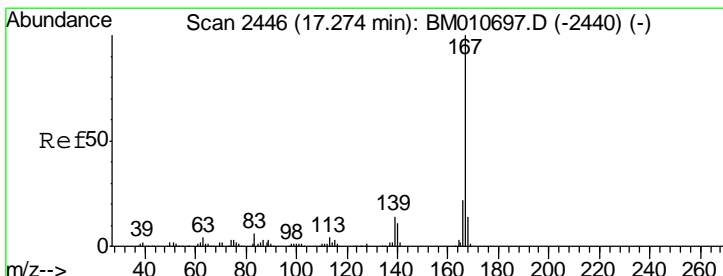
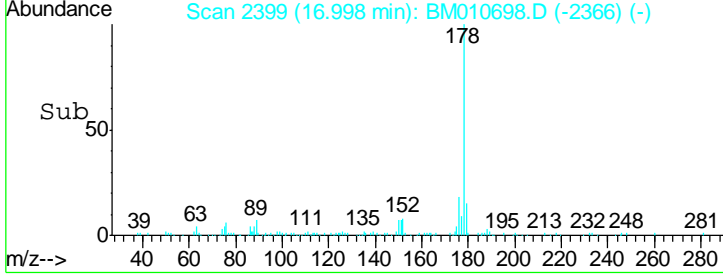
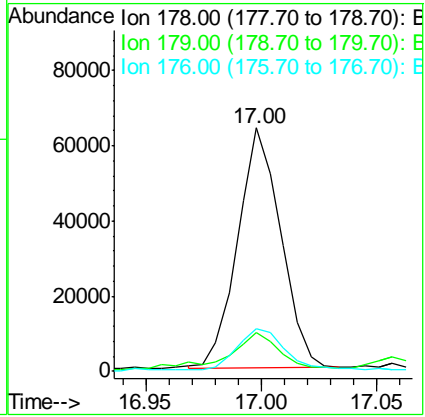
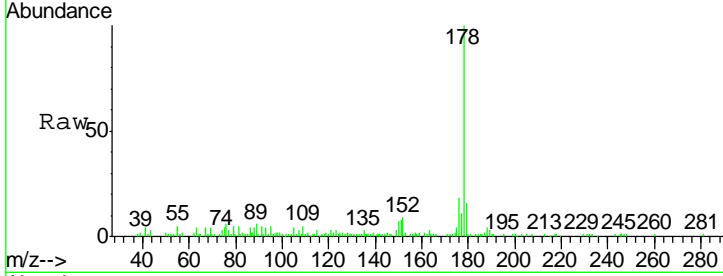




#71
 Anthracene
 Concen: 2.996 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

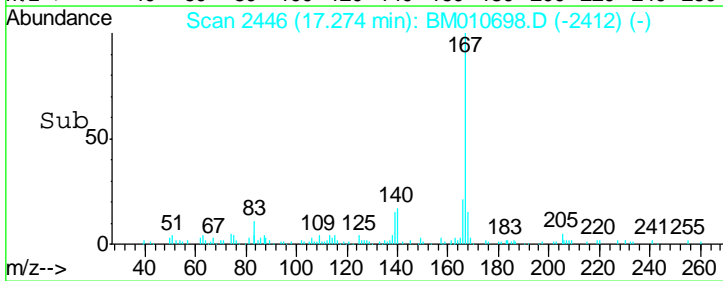
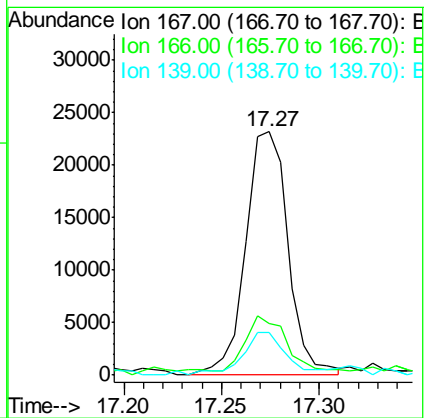
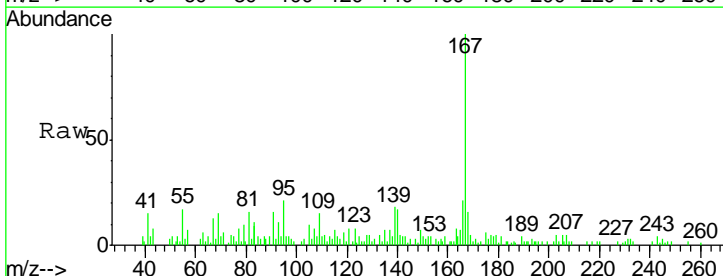
Instrument :
 BNA_M
 ClientSampled :
 F5B82

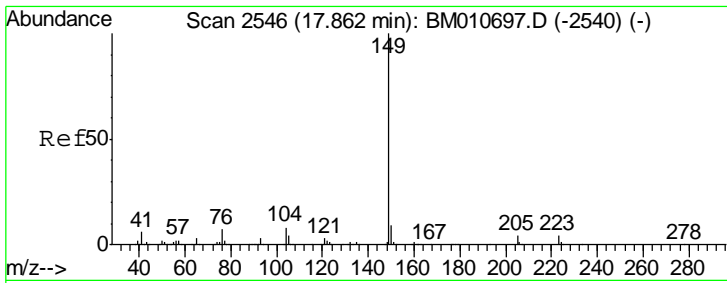
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 178 | 100 | | |
| 179 | 15.9 | 11.7 | 17.5 |
| 176 | 17.6 | 14.6 | 21.8 |



#72
 Carbazole
 Concen: 1.441 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 167 | 100 | | |
| 166 | 21.0 | 17.1 | 25.7 |
| 139 | 17.7 | 10.0 | 15.0# |

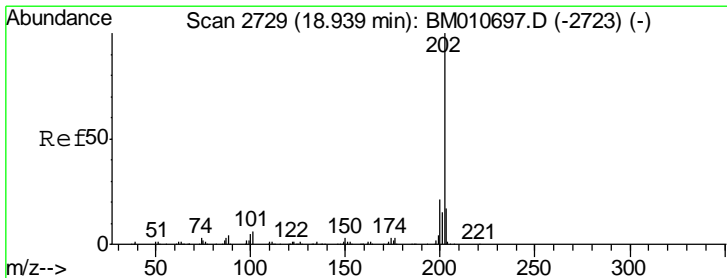
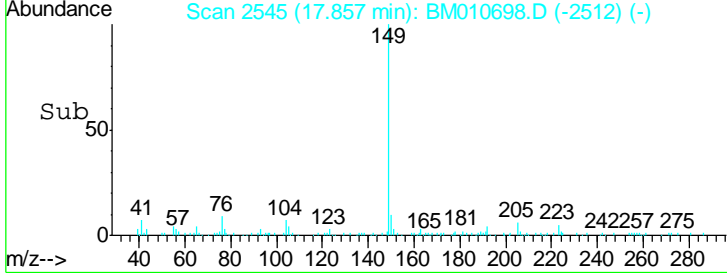
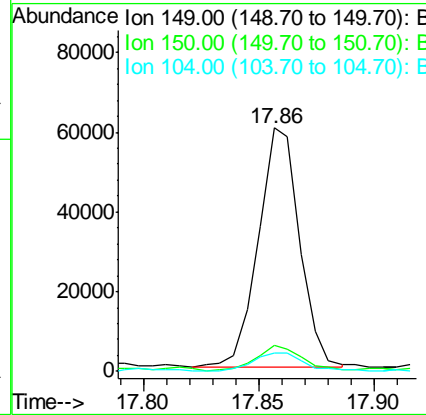
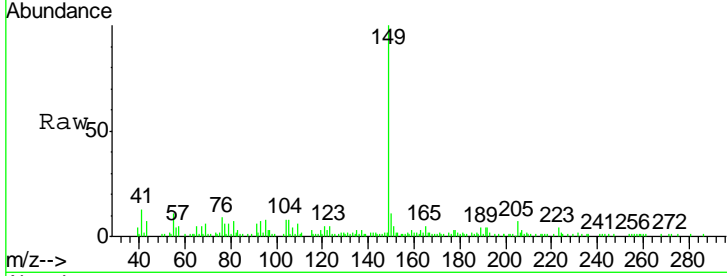




#73
 Di-n-butylphthalate
 Concen: 2.412 ng/ul
 RT: 17.86 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

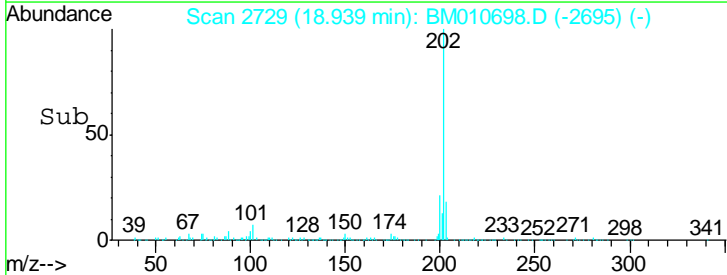
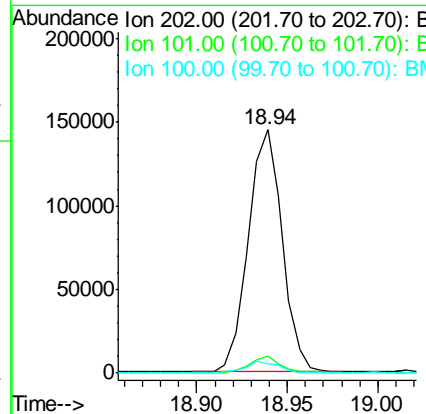
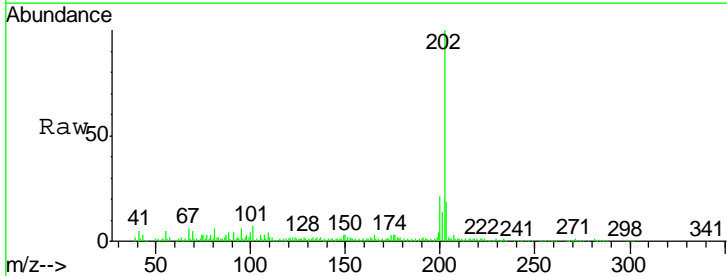
Instrument :
 BNA_M
 ClientSampled :
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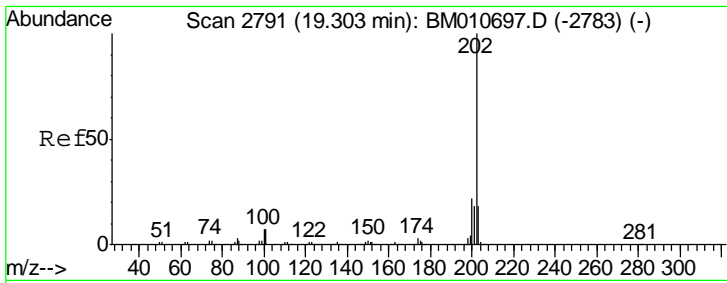
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 149 | 100 | | |
| 150 | 10.7 | 7.1 | 10.7 |
| 104 | 7.5 | 5.6 | 8.4 |



#74
 Fluoranthene
 Concen: 5.390 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 202 | 100 | | |
| 101 | 7.0 | 4.6 | 7.0# |
| 100 | 3.7 | 3.4 | 5.2 |

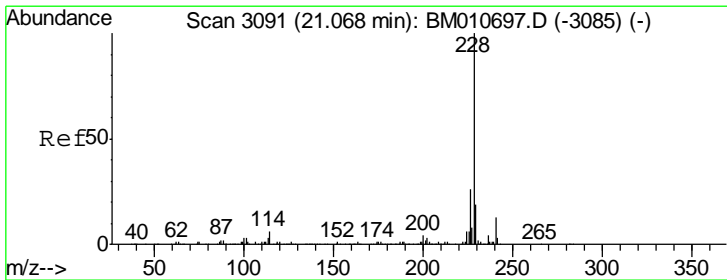
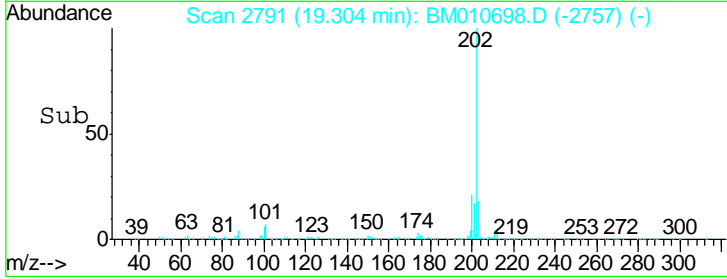
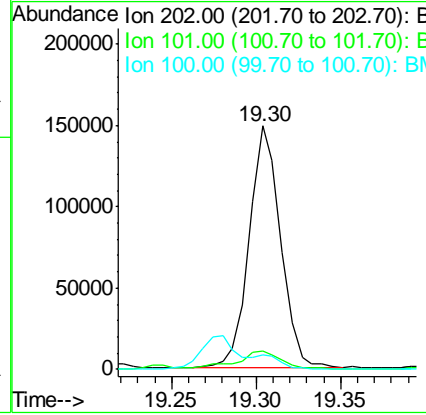
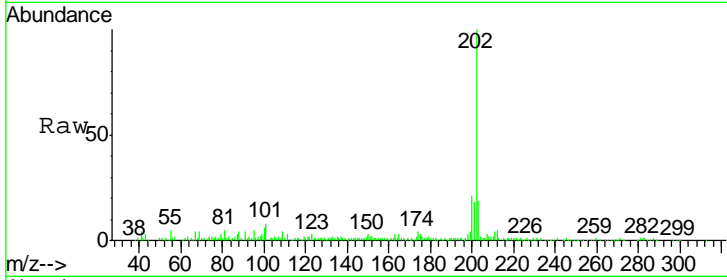




#77
 Pyrene
 Concen: 5.906 ng/ul
 RT: 19.30 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

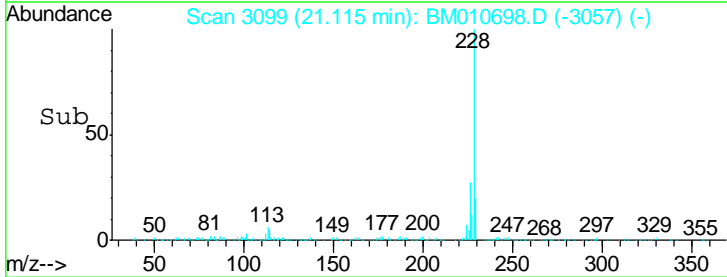
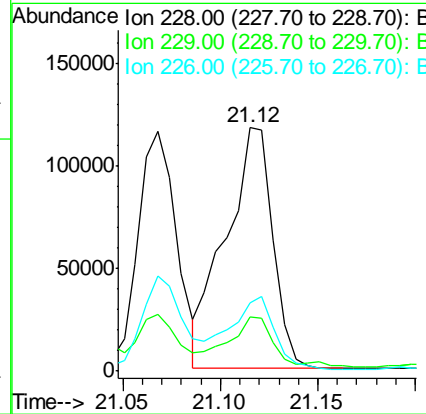
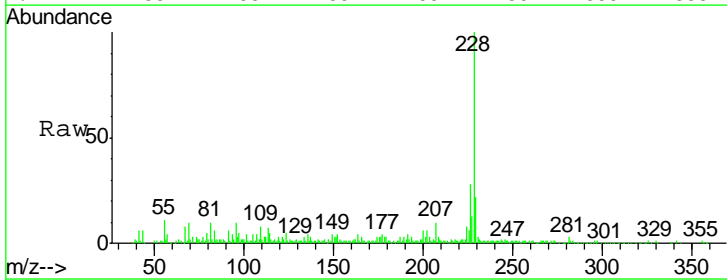
Instrument :
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 ClientSampled :
 F5B82

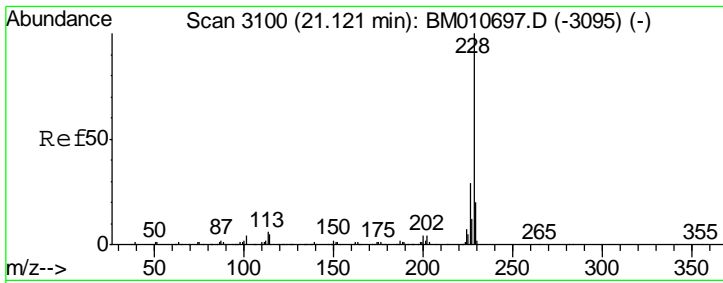
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202 | 100 | | |
| 101 | 7.6 | 5.1 | 7.7 |
| 100 | 5.9 | 4.9 | 7.3 |



#80
 Benzo(a)anthracene
 Concen: 6.055 ng/ul
 RT: 21.12 min Scan# 3099
 Delta R.T. 0.05 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228 | 100 | | |
| 229 | 22.2 | 15.4 | 23.0 |
| 226 | 27.8 | 21.4 | 32.0 |

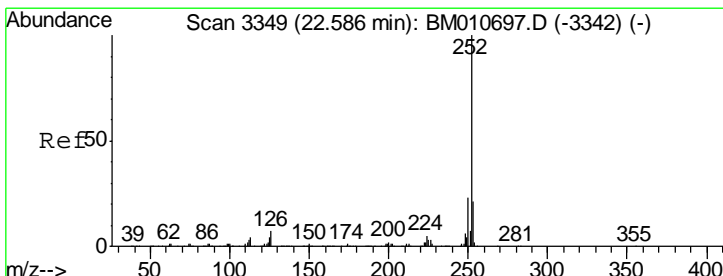
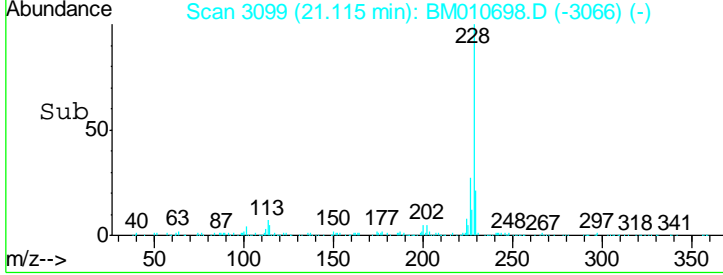
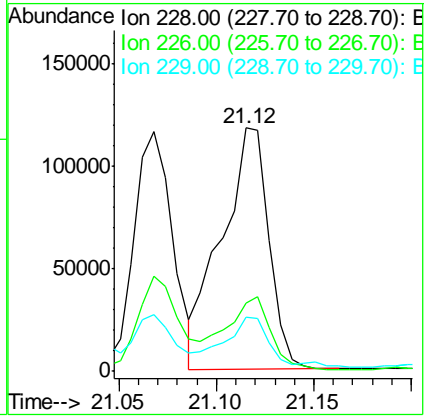
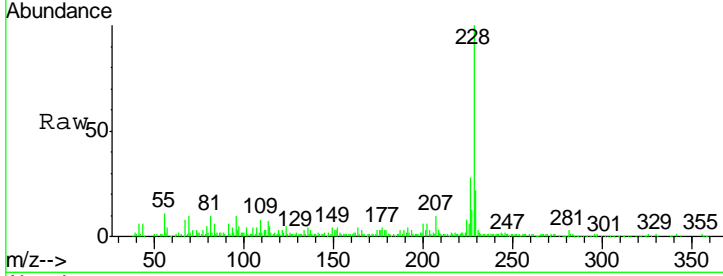




#82
 Chrysene
 Concen: 6.794 ng/ul
 RT: 21.12 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

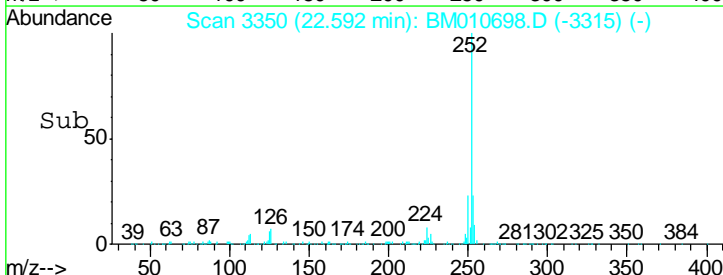
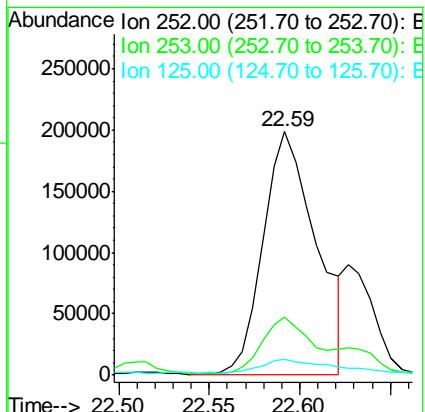
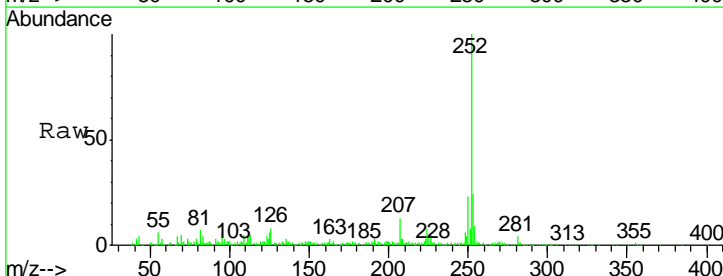
Instrument :
 BNA_M
 ClientSampled :
 F5B82

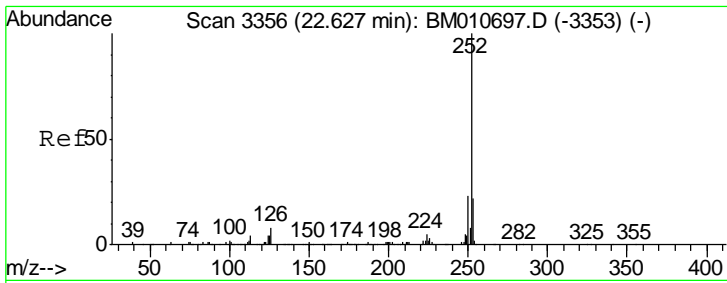
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 228 | 198483 | | |
| 226 | 27.8 | 23.4 | 35.2 |
| 229 | 22.2 | 15.5 | 23.3 |



#85
 Benzo(b)fluoranthene
 Concen: 14.666 ng/ul
 RT: 22.59 min Scan# 3350
 Delta R.T. 0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 252 | 403387 | | |
| 253 | 23.6 | 17.9 | 26.9 |
| 125 | 6.3 | 3.6 | 5.4 |

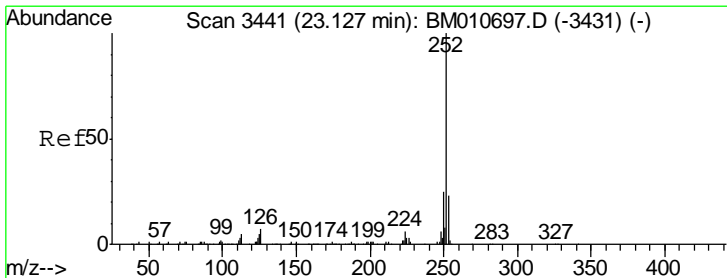
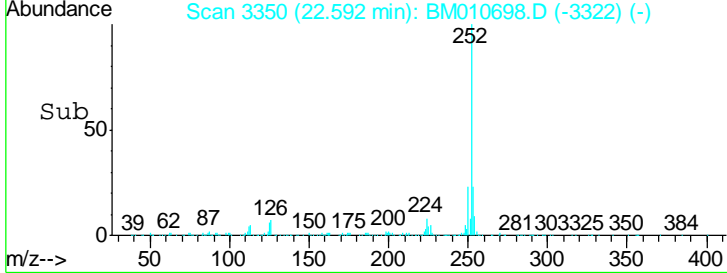
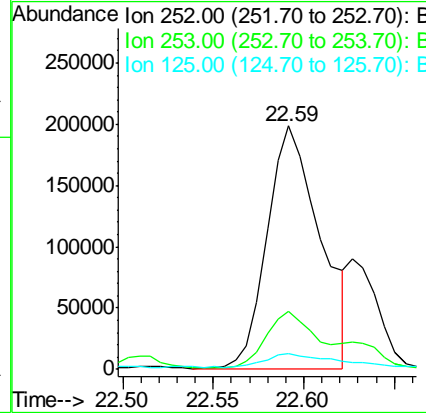
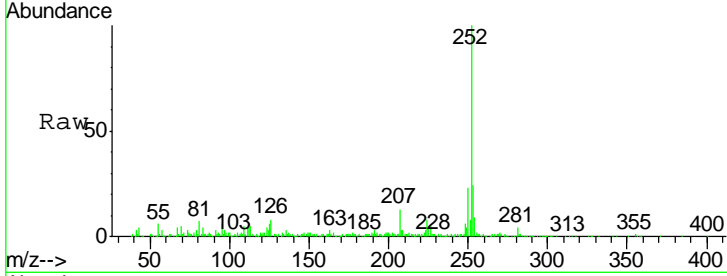




#86
 Benzo(k)fluoranthene
 Concen: 15.470 ng/ul
 RT: 22.59 min Scan# 3350
 Delta R.T. -0.04 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

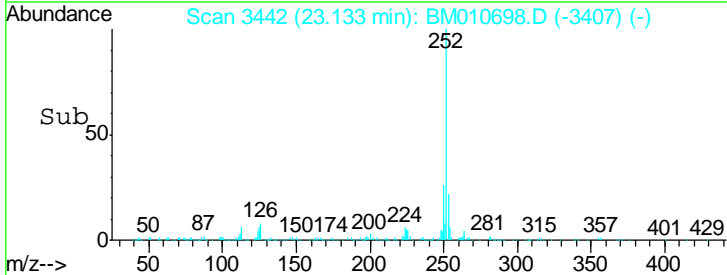
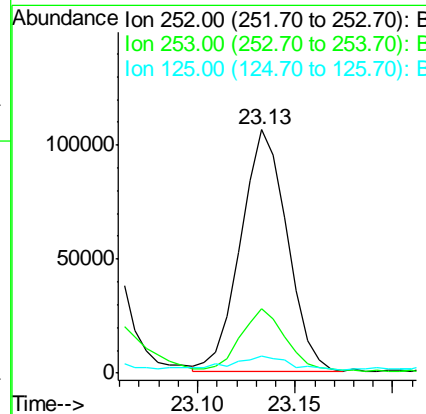
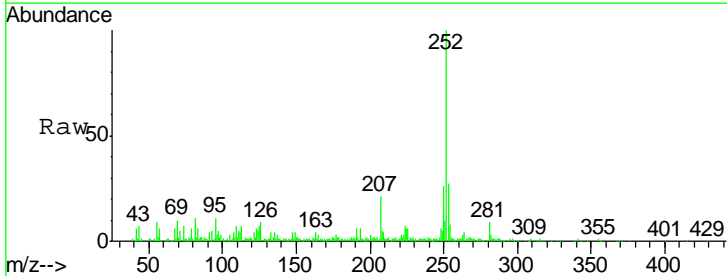
Instrument :
 BNA_M
 ClientSampled :
 F5B82

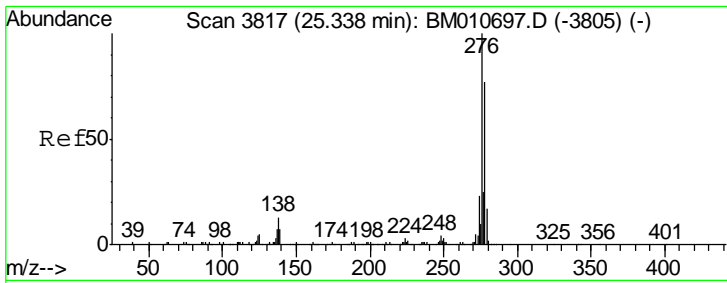
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 252 | 403387 | | |
| 253 | 23.6 | 17.1 | 25.7 |
| 125 | 6.3 | 3.4 | 5.2# |



#88
 Benzo(a)pyrene
 Concen: 6.895 ng/ul
 RT: 23.13 min Scan# 3442
 Delta R.T. 0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 252 | 174586 | | |
| 253 | 26.6 | 18.2 | 27.2 |
| 125 | 6.9 | 4.0 | 6.0# |

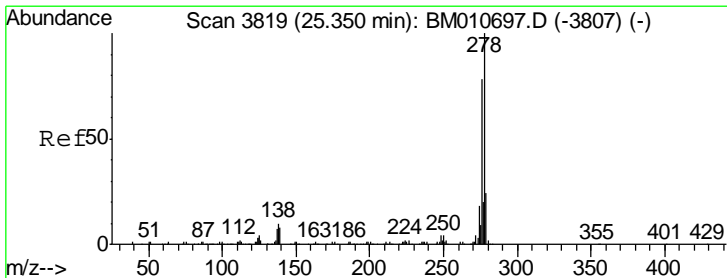
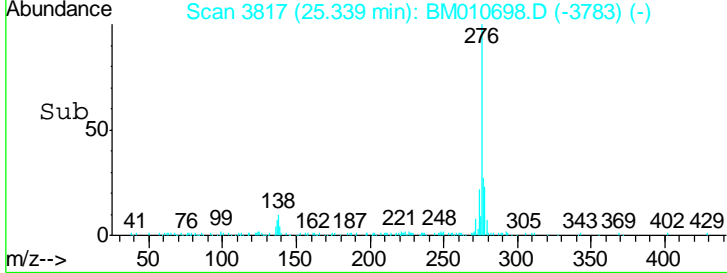
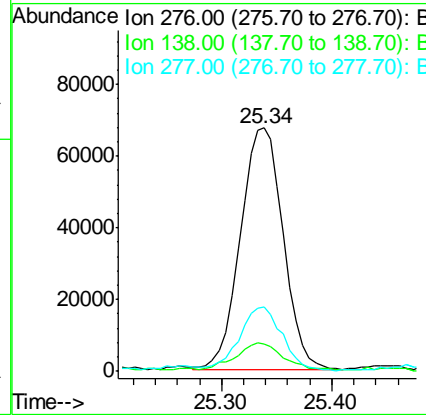
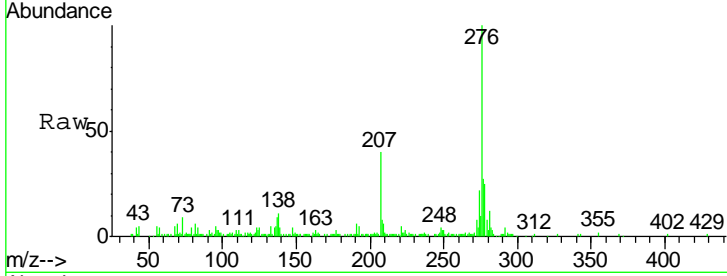




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.953 ng/ul
 RT: 25.34 min Scan# 3817
 Delta R.T. 0.00 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

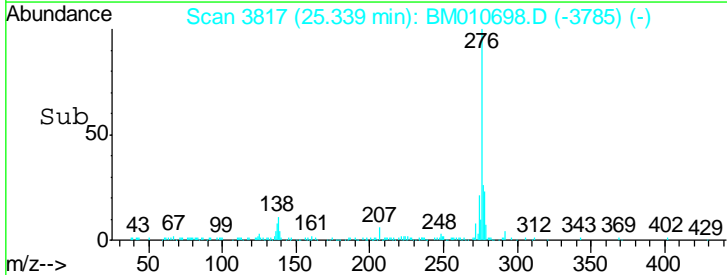
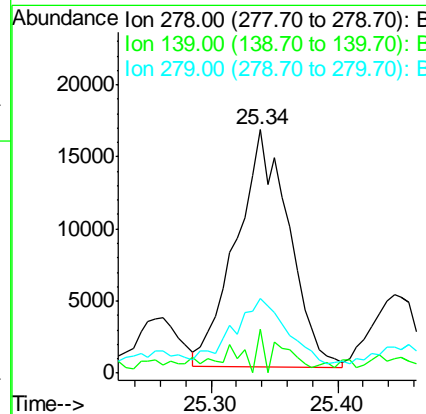
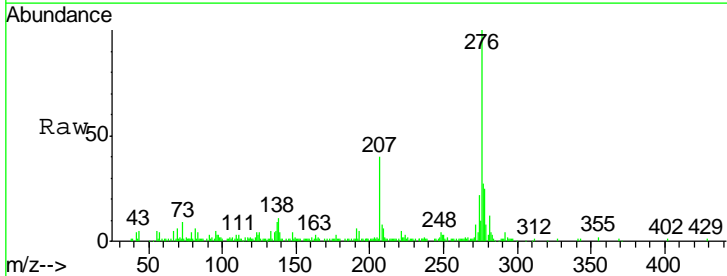
Instrument :
 BNA_M
 ClientSampled :
 F5B82

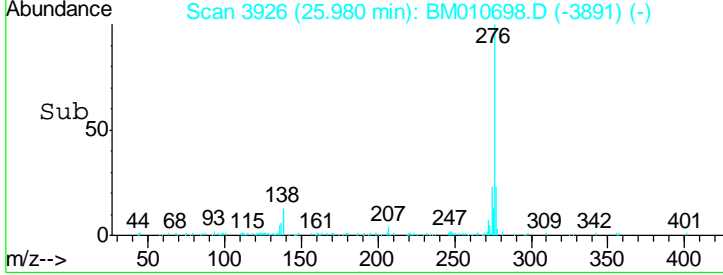
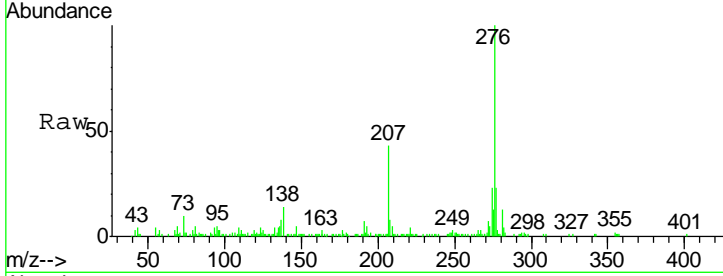
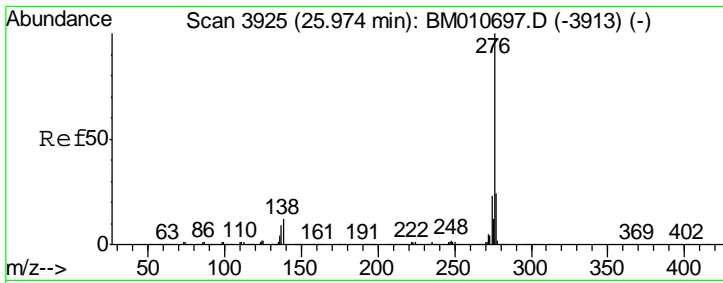
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 276 | 182596 | | |
| 138 | 11.1 | 9.3 | 13.9 |
| 277 | 26.5 | 19.9 | 29.9 |



#90
 Dibenzo(a,h)anthracene
 Concen: 2.165 ng/ul
 RT: 25.34 min Scan# 3817
 Delta R.T. -0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 278 | 47377 | | |
| 139 | 18.1 | 5.8 | 8.8# |
| 279 | 30.7 | 18.6 | 27.8# |





#91
 Benzo(g,h,i)perylene
 Concen: 8.436 ng/ul
 RT: 25.98 min Scan# 3926
 Delta R.T. 0.01 min
 Lab File: BM010698.D
 Acq: 23 Jun 2017 20:02

Instrument :
 BNA_M
 ClientSampled :
 F5B82

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 276 | 176350 | | |
| 138 | 13.6 | 8.5 | 12.7# |
| 277 | 23.0 | 18.6 | 28.0 |

