

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100119\  
 Data File : BM022892.D  
 Acq On : 02 Oct 2019 14:41  
 Operator : JU  
 Sample : K4983-21  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 03 00:58:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 27 18:03:27 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 239236   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.59 | 136  | 1091395  | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.43 | 164  | 681103   | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 17.17 | 188  | 1231335  | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.35 | 240  | 878680   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 23.62 | 264  | 961765   | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 28171   | 5.09  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.97  | 99  | 113599  | 5.37  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 199761  | 17.27 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 254921  | 14.98 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 191845  | 11.08 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 143942  | 17.09 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 158213  | 17.20 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 304929  | 16.65 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 321957  | 14.47 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.85 | 166 | 1015623 | 19.21 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8          | 14.13 | 160 | 1060297 | 17.37 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.63 | 143 | 49595   | 4.75  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.43 | 176 | 823659  | 18.28 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 124658  | 15.56 | ng/ul | -0.02 |
| 71) Anthracene-d10             | 17.27 | 188 | 1287702 | 21.42 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.56 | 212 | 1251672 | 26.47 | ng/ul | -0.02 |
| 90) Benzo(a)pyrene-d12         | 23.47 | 264 | 1104986 | 22.21 | ng/ul | -0.03 |

## Target Compounds

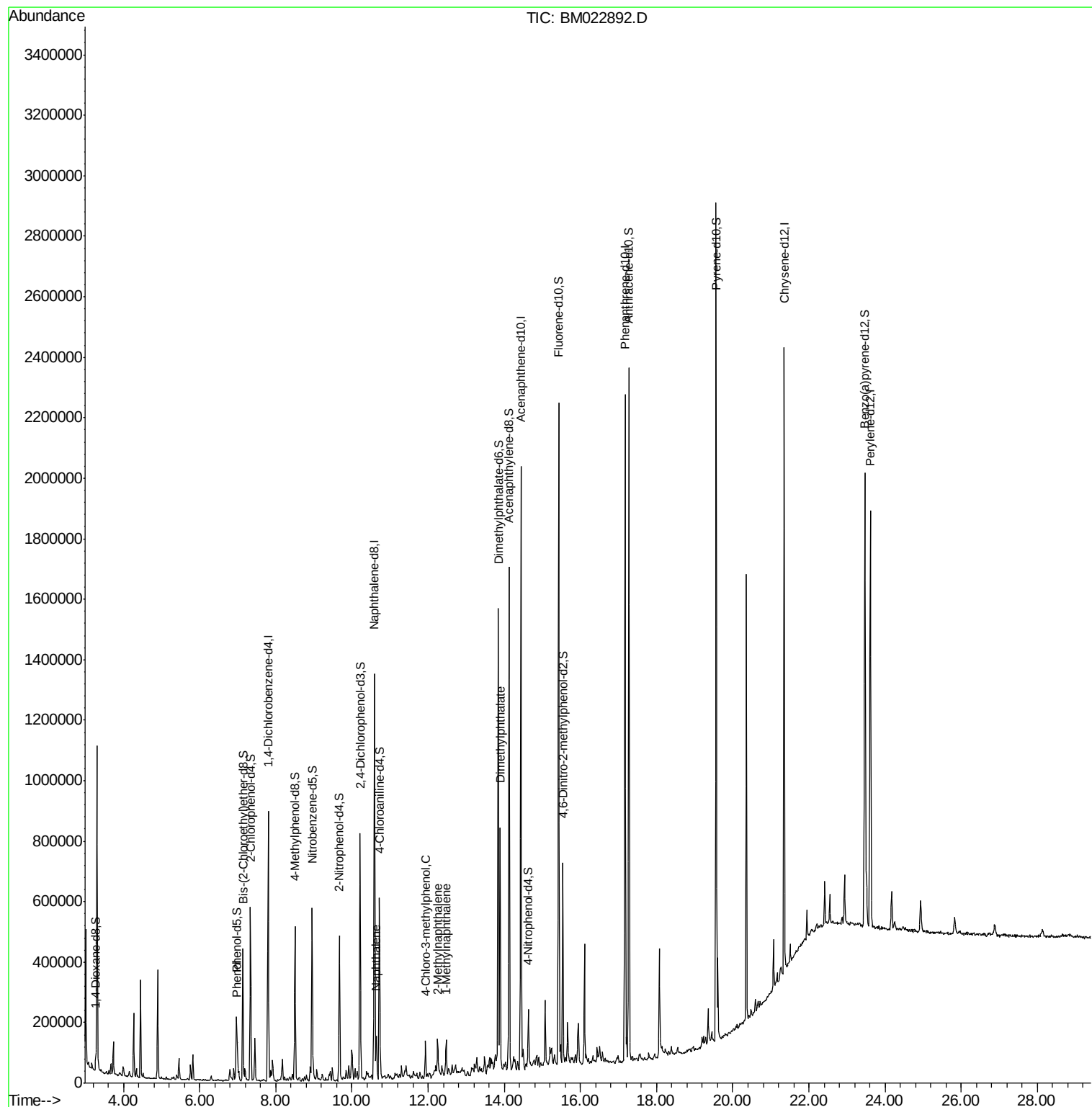
|                             |       |     |        |              | Ovalue |
|-----------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol                   | 6.99  | 94  | 62855  | 2.836 ng/ul  | 99     |
| 28) Naphthalene             | 10.64 | 128 | 104639 | 1.775 ng/ul  | 98     |
| 33) 4-Chloro-3-methylphenol | 11.93 | 107 | 24037  | 1.260 ng/ul# | 16     |
| 34) 2-Methylnaphthalene     | 12.25 | 142 | 56929  | 1.288 ng/ul  | 98     |
| 35) 1-Methylnaphthalene     | 12.47 | 142 | 50608  | 1.199 ng/ul# | 98     |
| 45) Dimethylphthalate       | 13.89 | 163 | 508229 | 9.359 ng/ul  | 100    |

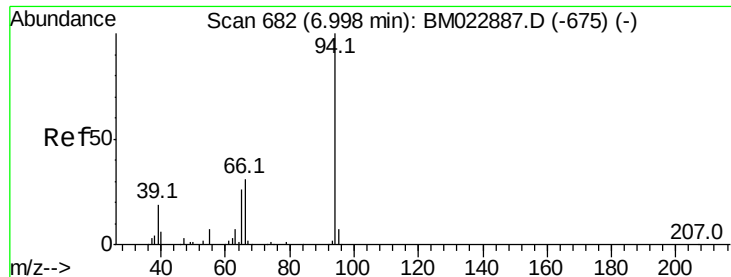
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 38 Sample Multiplier: 1

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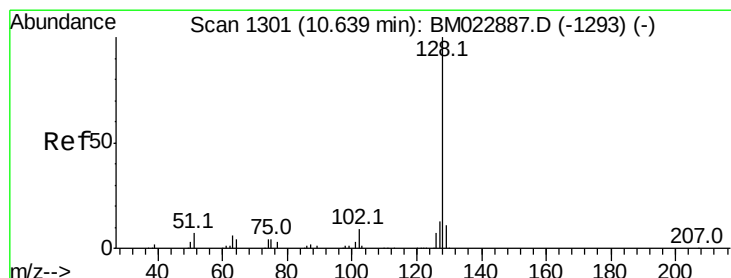
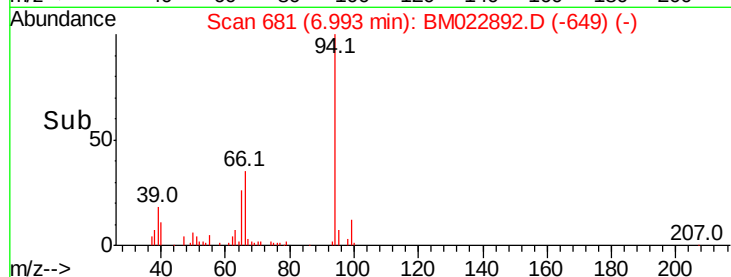
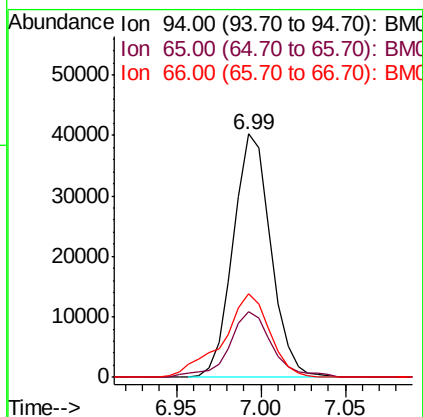
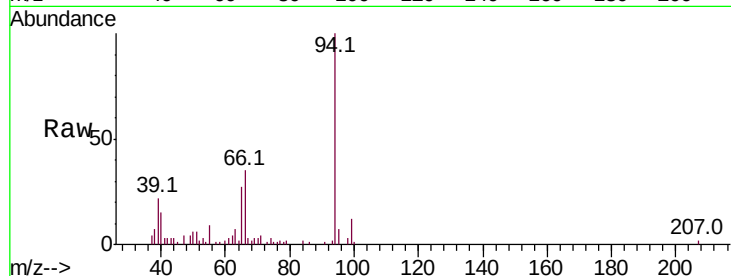
#6

Phenol

Concen: 2.836 ng/ul  
 RT: 6.99 min Scan# 681  
 Delta R.T. -0.01 min  
 Lab File: BM022892.D  
 Acq: 02 Oct 2019 14:41

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | 94    | Resp  | 62855 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 94      | 100   |       |       |
| 65      | 27.1  | 20.9  | 31.3  |
| 66      | 34.5  | 27.2  | 40.8  |

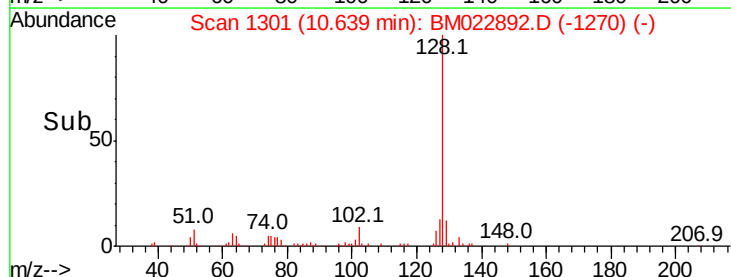
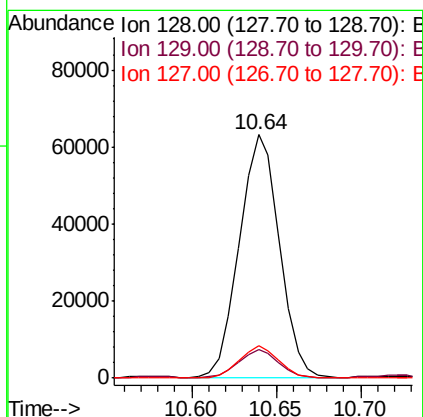
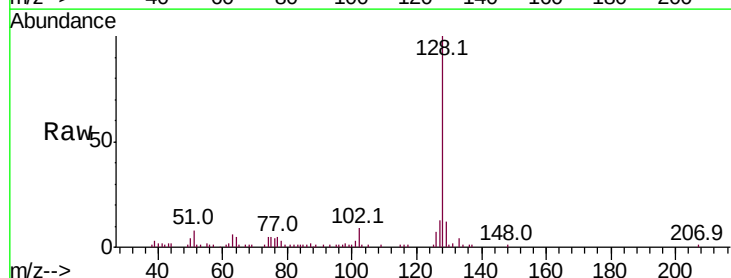


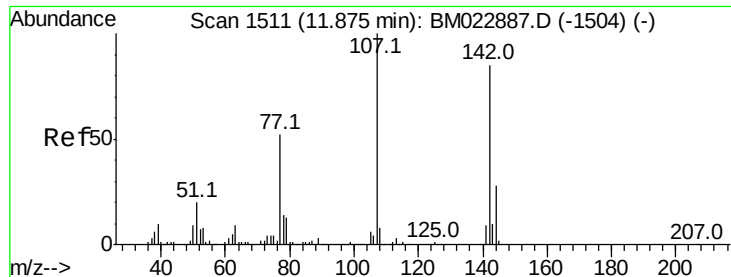
#28

Naphthalene

Concen: 1.775 ng/ul  
 RT: 10.64 min Scan# 1301  
 Delta R.T. -0.02 min  
 Lab File: BM022892.D  
 Acq: 02 Oct 2019 14:41

| Tgt Ion | 128   | Resp  | 104639 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 128     | 100   |       |        |
| 129     | 11.5  | 8.6   | 13.0   |
| 127     | 13.4  | 10.2  | 15.4   |

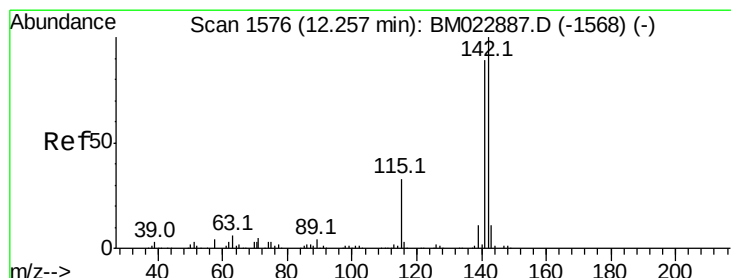
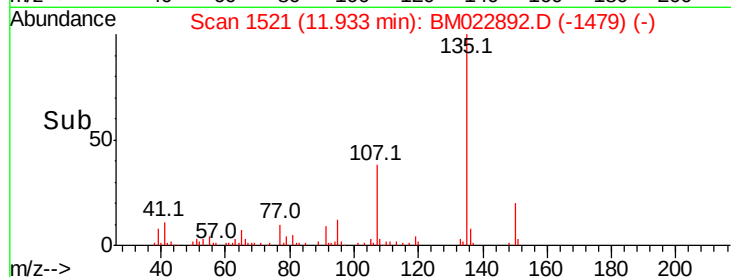
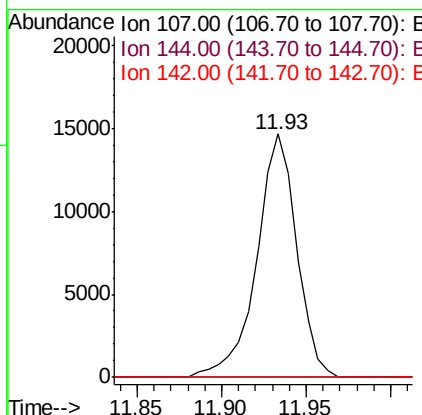
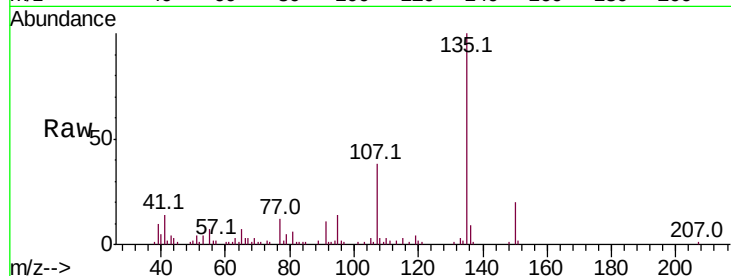




#33  
 4-Chloro-3-methylphenol  
 Concen: 1.260 ng/ul  
 RT: 11.93 min Scan# 1521  
 Delta R.T. 0.05 min  
 Lab File: BM022892.D  
 Acq: 02 Oct 2019 14:41

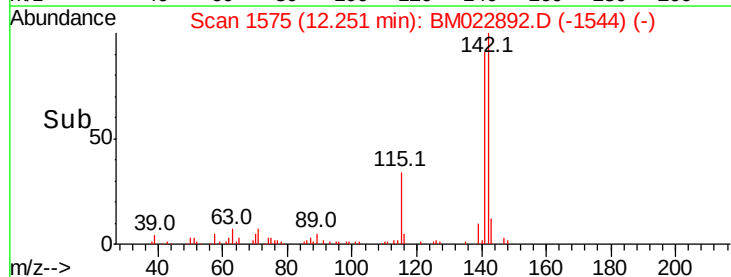
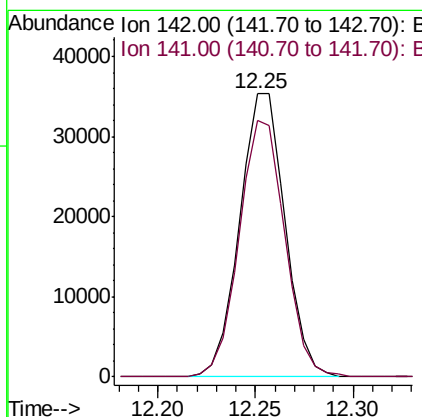
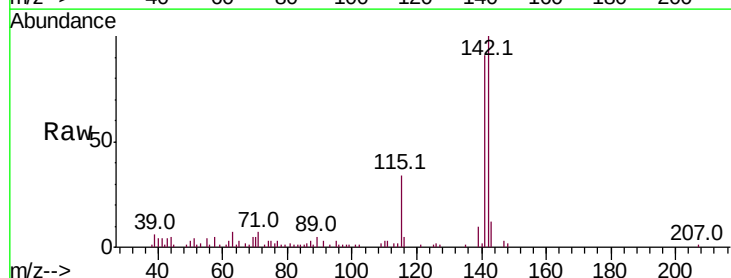
Instrument :  
 BNA\_M  
 ClientSampleId :

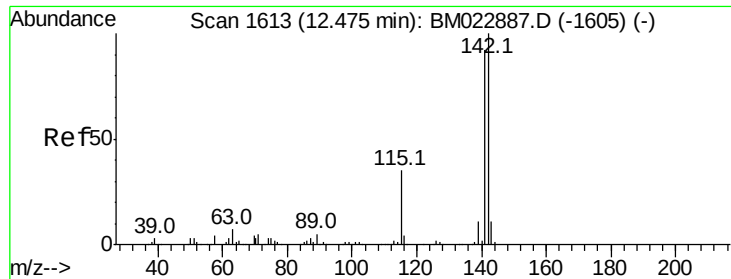
Tot Ion:107 Resp: 24037  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 22.5 33.7#  
 142 0.0 68.9 103.3#



#34  
 2-Methylnaphthalene  
 Concen: 1.288 ng/ul  
 RT: 12.25 min Scan# 1575  
 Delta R.T. -0.02 min  
 Lab File: BM022892.D  
 Acq: 02 Oct 2019 14:41

Tgt Ion:142 Resp: 56929  
 Ion Ratio Lower Upper  
 142 100  
 141 90.8 71.2 106.8

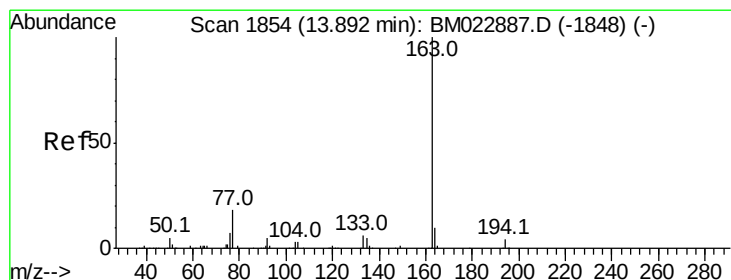
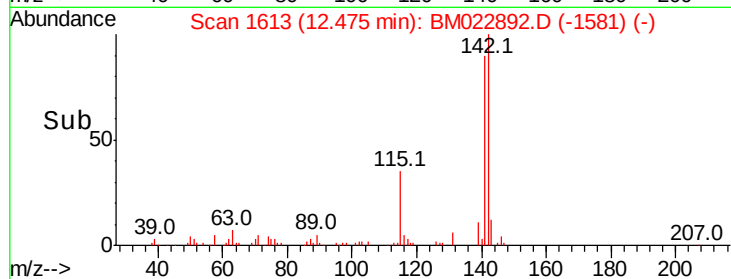
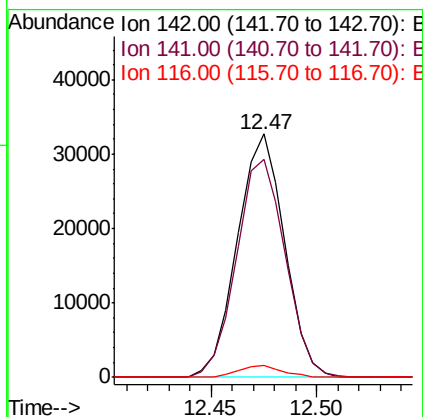
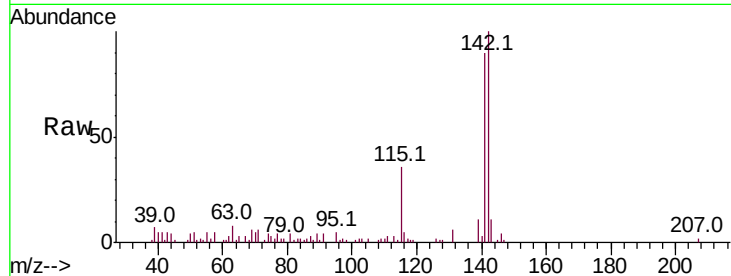




#35  
1-Methylnaphthalene  
Concen: 1.199 ng/ul  
RT: 12.47 min Scan# 1613  
Delta R.T. -0.01 min  
Lab File: BM022892.D  
Acq: 02 Oct 2019 14:41

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:142 Resp: 50608  
Ion Ratio Lower Upper  
142 100  
141 89.6 73.0 109.6  
116 5.1 2.9 4.3#



#45  
Dimethylphthalate  
Concen: 9.359 ng/ul  
RT: 13.89 min Scan# 1854  
Delta R.T. -0.01 min  
Lab File: BM022892.D  
Acq: 02 Oct 2019 14:41

Tgt Ion:163 Resp: 508229  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 9.9 8.1 12.1

