

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092021\  
 Data File : BN016371.D  
 Acq On : 21 Sep 2021 08:31  
 Operator : CG/JU  
 Sample : M3733-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SUP-UST-02-(5-7)

Quant Time: Sep 21 09:04:57 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN091721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 20 11:09:23 2021  
 Response via : Initial Calibration

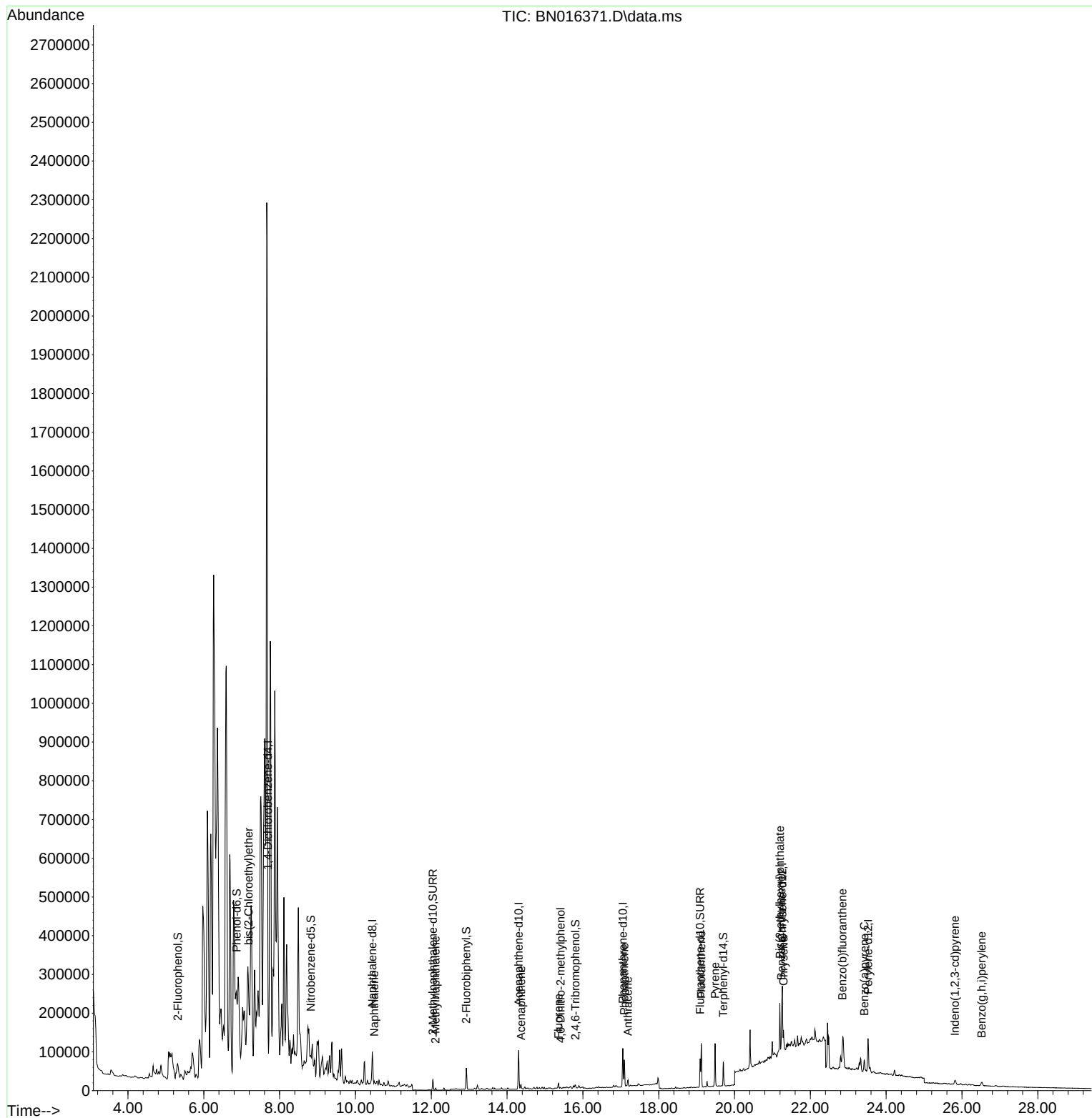
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.688  | 152  | 20464    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.444 | 136  | 99184    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.307 | 164  | 60154    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.054 | 188  | 128332   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.259 | 240  | 140157   | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.522 | 264  | 111378   | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.319  | 112  | 13688    | 0.267 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.868  | 99   | 40144    | 0.645 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.822  | 82   | 43399    | 0.736 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.043 | 152  | 36262    | 0.232 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.804 | 330  | 5740     | 0.325 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.924 | 172  | 46423    | 0.197 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.092 | 212  | 82020    | 0.221 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.703 | 244  | 61657    | 0.190 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 6) bis(2-Chloroethyl)ether    | 7.181  | 93   | 8106     | 0.146 | ng    | # 1      |
| 9) Naphthalene                | 10.495 | 128  | 11708    | 0.044 | ng    | # 83     |
| 12) 2-Methylnaphthalene       | 12.114 | 142  | 3881     | 0.022 | ng    | # 87     |
| 17) Acenaphthene              | 14.370 | 154  | 6086     | 0.035 | ng    | 96       |
| 18) Fluorene                  | 15.360 | 166  | 8665     | 0.040 | ng    | # 93     |
| 20) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 30       | 0.150 | ng    | # 1      |
| 25) Phenanthrene              | 17.090 | 178  | 74072    | 0.204 | ng    | 97       |
| 26) Anthracene                | 17.188 | 178  | 17274    | 0.049 | ng    | 94       |
| 28) Fluoranthene              | 19.122 | 202  | 101398   | 0.243 | ng    | 99       |
| 30) Pyrene                    | 19.485 | 202  | 102254   | 0.231 | ng    | # 92     |
| 32) Benzo(a)anthracene        | 21.238 | 228  | 52880    | 0.117 | ng    | # 74     |
| 33) Chrysene                  | 21.291 | 228  | 55775    | 0.128 | ng    | # 75     |
| 34) Bis(2-ethylhexyl)phtha... | 21.195 | 149  | 111836   | 0.461 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.815 | 276  | 17790    | 0.049 | ng    | 94       |
| 37) Benzo(b)fluoranthene      | 22.844 | 252  | 67742    | 0.192 | ng    | # 1      |
| 39) Benzo(a)pyrene            | 23.423 | 252  | 43102    | 0.135 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.520 | 276  | 20078    | 0.066 | ng    | # 60     |
| -----                         |        |      |          |       |       |          |

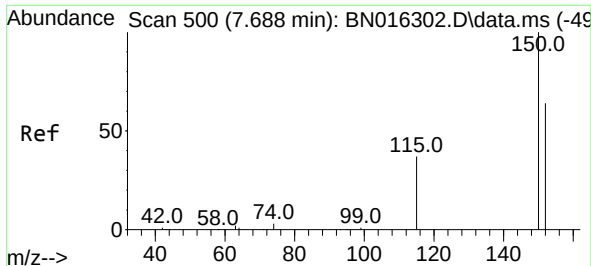
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 20 11:09:23 2021  
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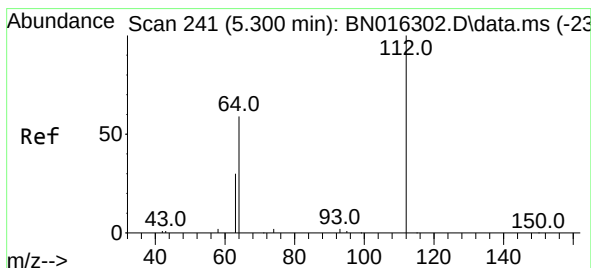
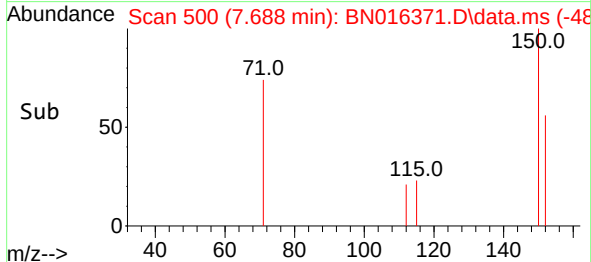
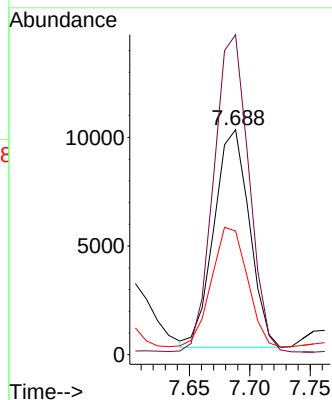
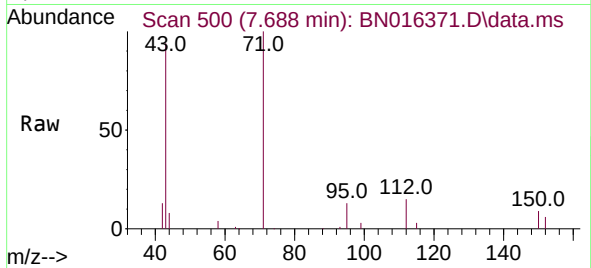




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.688 min Scan# 500  
 Delta R.T. 0.000 min  
 Lab File: BN016371.D  
 Acq: 21 Sep 2021 08:31

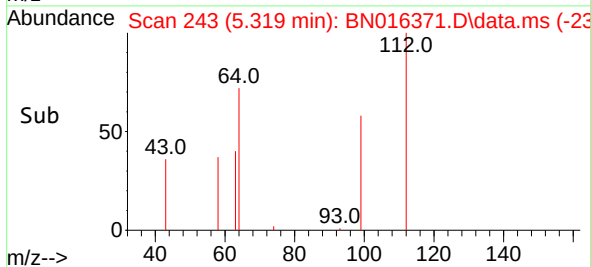
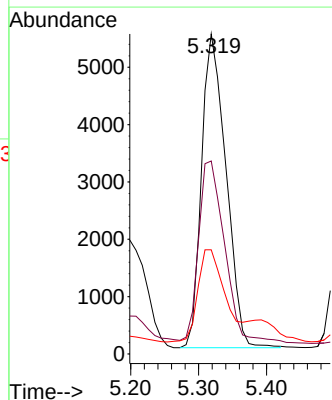
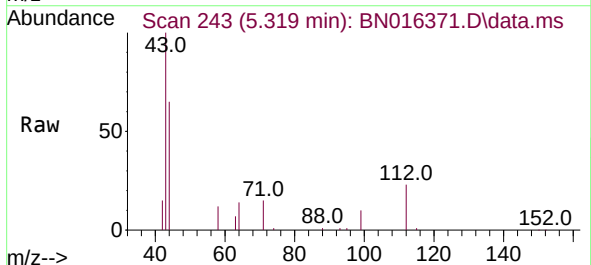
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SUP-UST-02-(5-7)

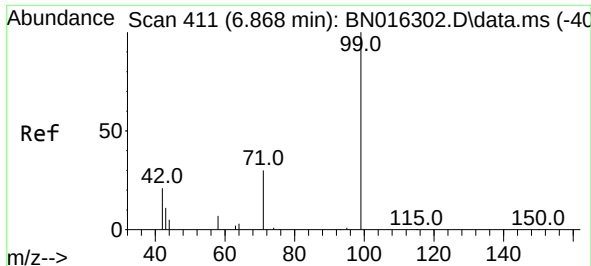
Tgt Ion:152 Resp: 20464  
 Ion Ratio Lower Upper  
 152 100  
 150 142.3 125.6 188.4  
 115 55.0 50.2 75.2



#4  
 2-Fluorophenol  
 Concen: 0.267 ng  
 RT: 5.319 min Scan# 243  
 Delta R.T. 0.009 min  
 Lab File: BN016371.D  
 Acq: 21 Sep 2021 08:31

Tgt Ion:112 Resp: 13688  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 47.3 70.9  
 63 32.6 23.4 35.0

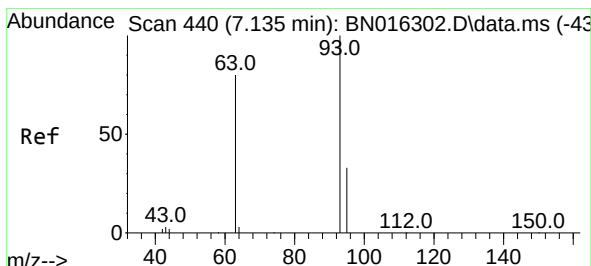
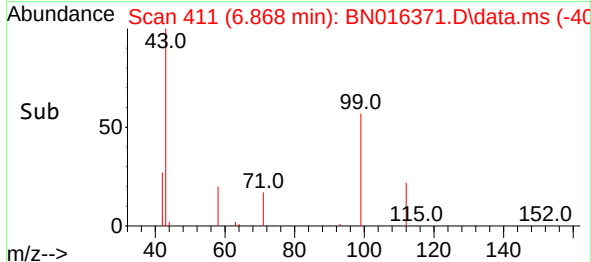
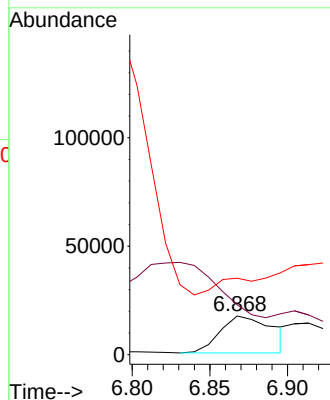
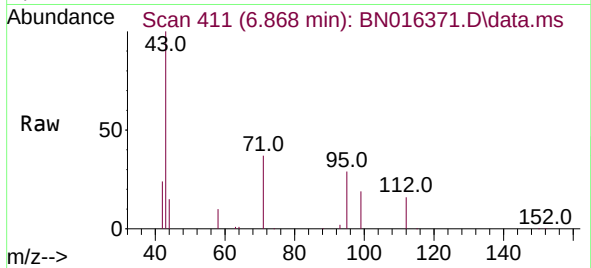




#5  
Phenol-d6  
Concen: 0.645 ng  
RT: 6.868 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

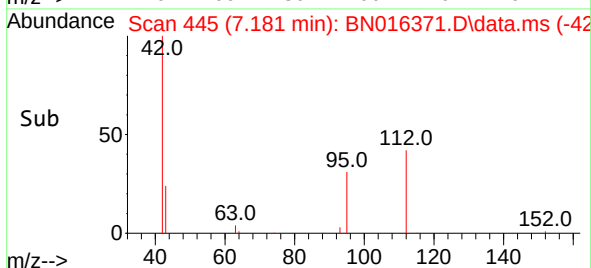
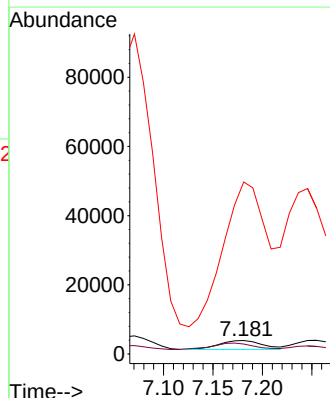
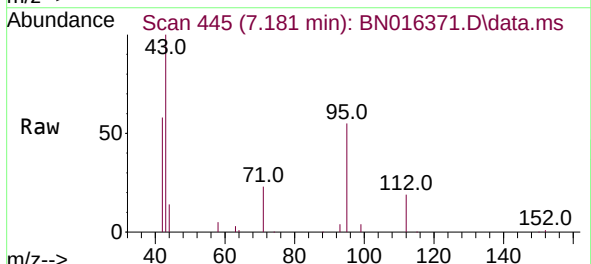
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

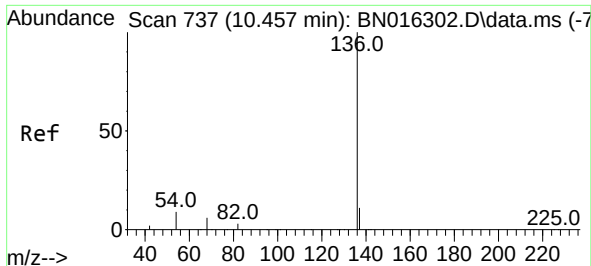
Tgt Ion: 99 Resp: 40144  
Ion Ratio Lower Upper  
99 100  
42 0.0 14.0 21.0#  
71 0.0 23.8 35.6#



#6  
bis(2-Chloroethyl)ether  
Concen: 0.146 ng  
RT: 7.181 min Scan# 445  
Delta R.T. 0.055 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion: 93 Resp: 8106  
Ion Ratio Lower Upper  
93 100  
63 68.4 63.4 95.0  
95 1516.1 26.8 40.2#

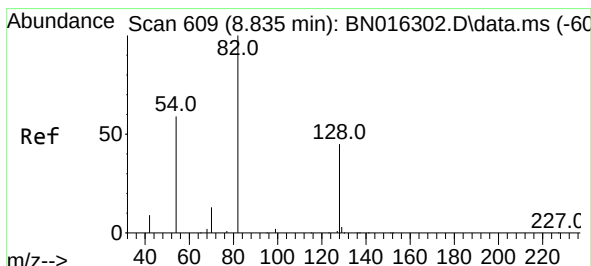
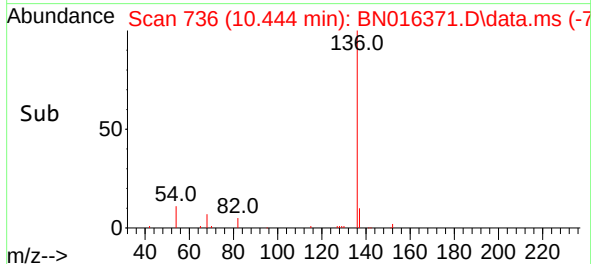
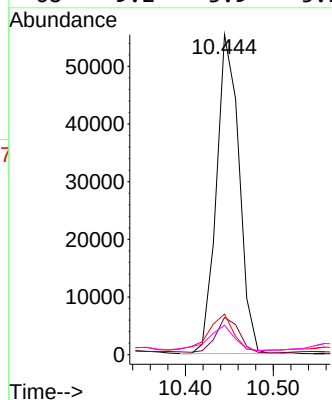
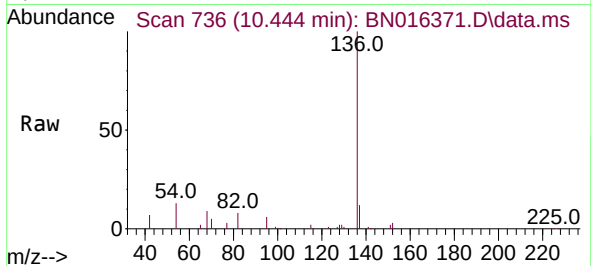




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.444 min Scan# 736  
Delta R.T. -0.013 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

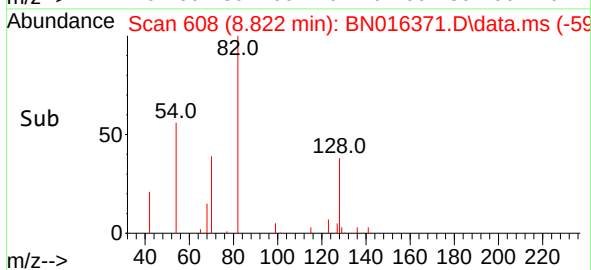
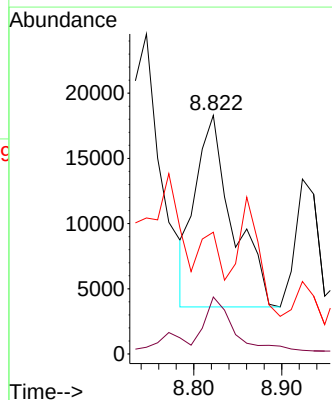
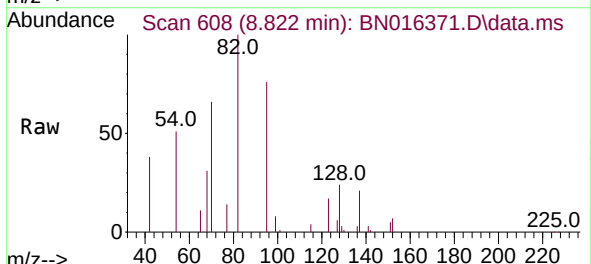
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

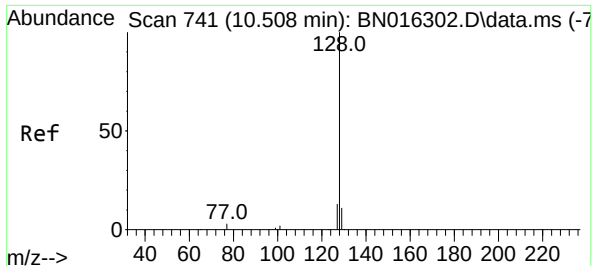
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 99184 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 8.8   | 13.2  |
| 54        | 12.7  | 5.3   | 7.9#  |
| 68        | 9.2   | 3.9   | 5.9#  |



#8  
Nitrobenzene-d5  
Concen: 0.736 ng  
RT: 8.822 min Scan# 608  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 43399 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 23.9  | 31.7  | 47.5# |
| 54        | 51.0  | 46.4  | 69.6  |

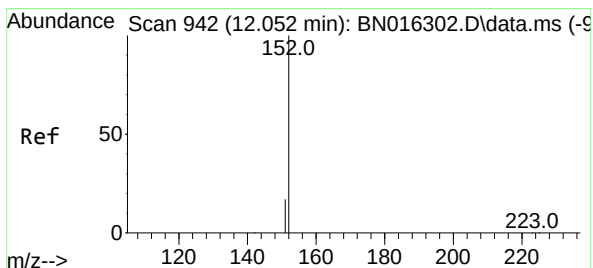
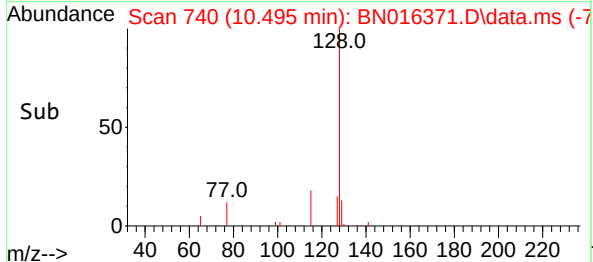
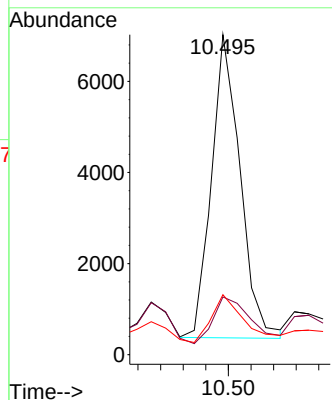
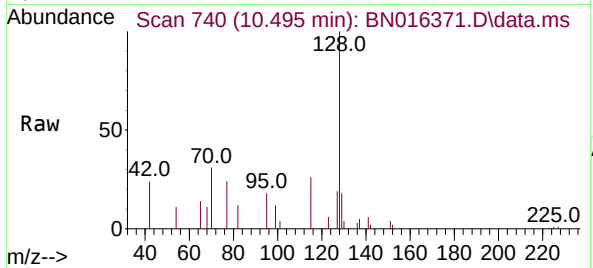




#9  
Naphthalene  
Concen: 0.044 ng  
RT: 10.495 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

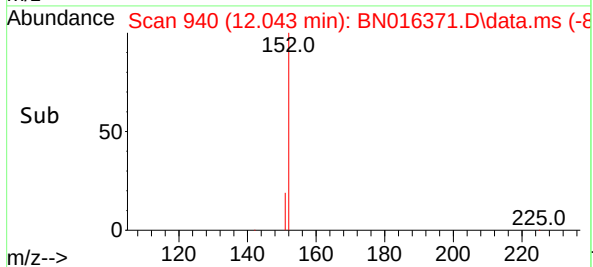
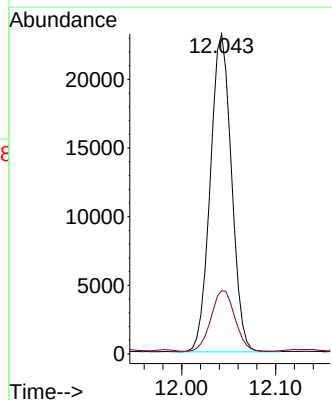
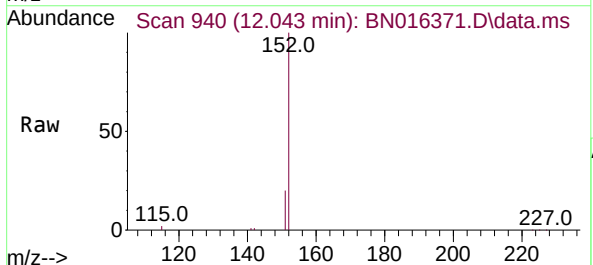
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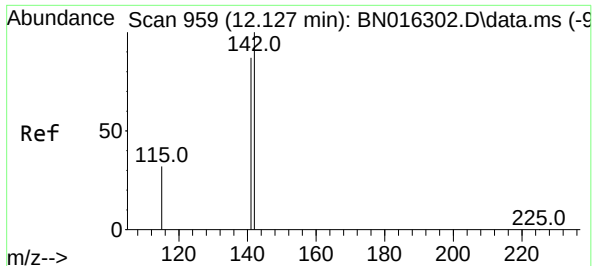
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Ion Ratio Lower Upper  
128 100  
129 18.0 8.9 13.3#  
127 18.7 10.1 15.1#



#11  
2-Methylnaphthalene-d10  
Concen: 0.232 ng  
RT: 12.043 min Scan# 940  
Delta R.T. -0.004 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:152 Resp: 36262  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.1 24.1

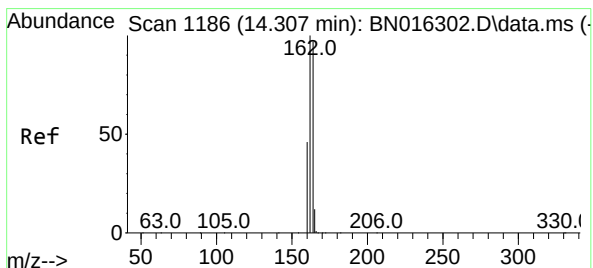
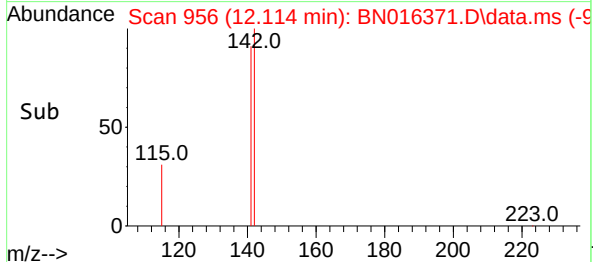
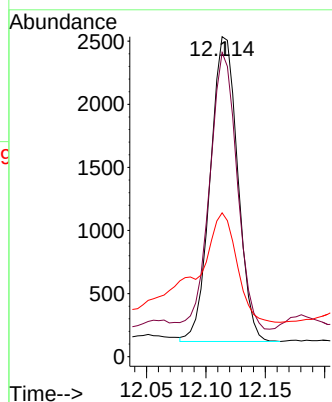
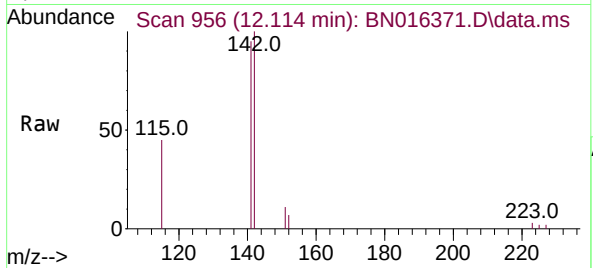




#12  
2-Methylnaphthalene  
Concen: 0.022 ng  
RT: 12.114 min Scan# 956  
Delta R.T. -0.004 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

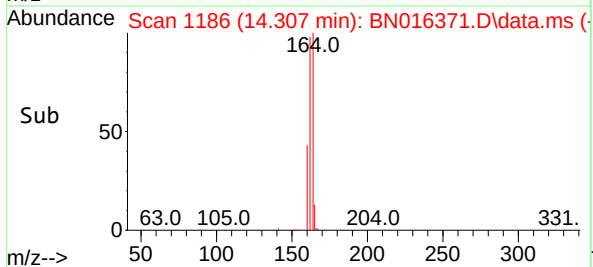
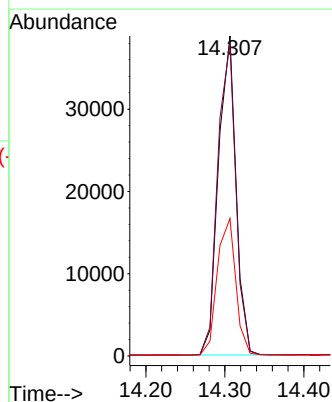
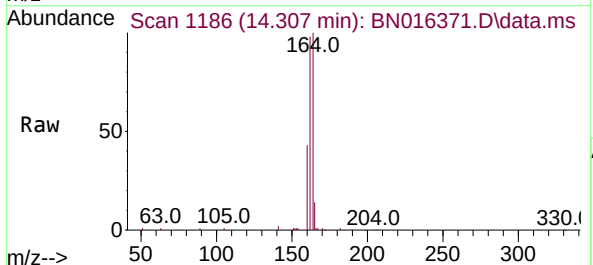
Instrument :  
BNA\_N  
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SUP-UST-02-(5-7)

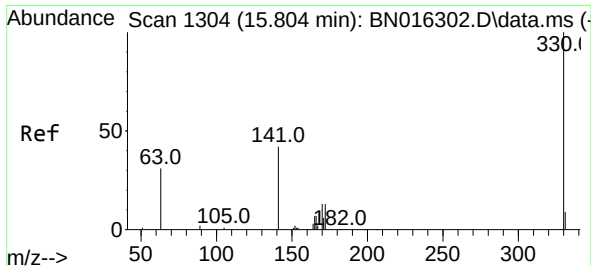
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Ion Ratio Lower Upper  
142 100  
141 95.1 69.8 104.8  
115 45.0 24.4 36.6#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.307 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:164 Resp: 60154  
Ion Ratio Lower Upper  
164 100  
162 97.6 79.0 118.4  
160 43.0 34.1 51.1

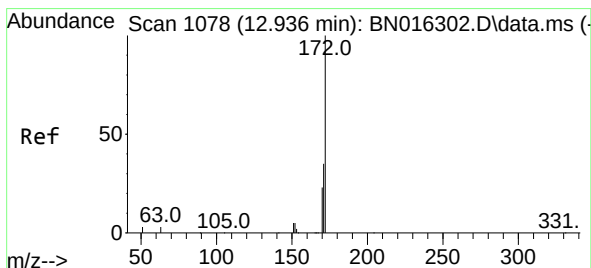
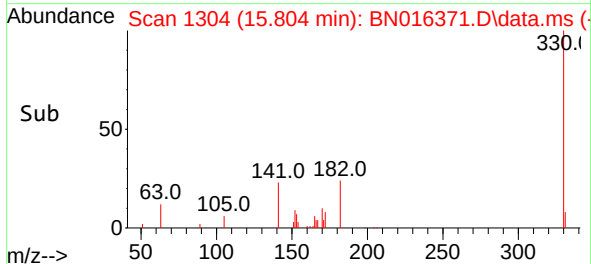
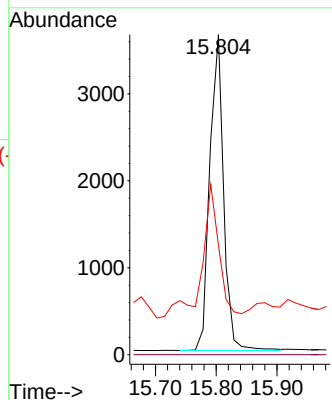
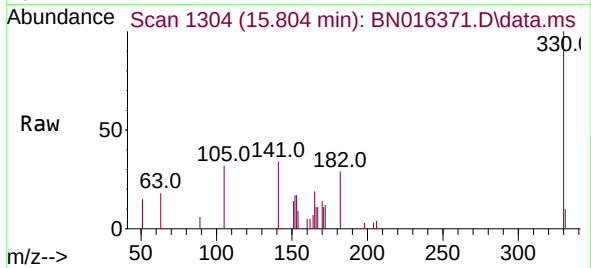




#14  
2,4,6-Tribromophenol  
Concen: 0.325 ng  
RT: 15.804 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

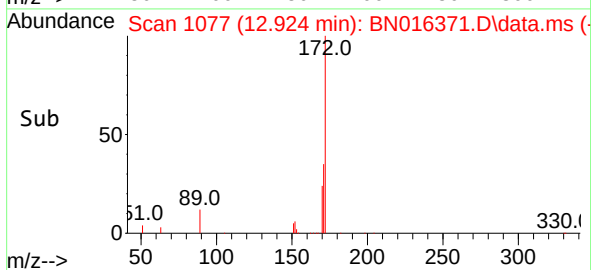
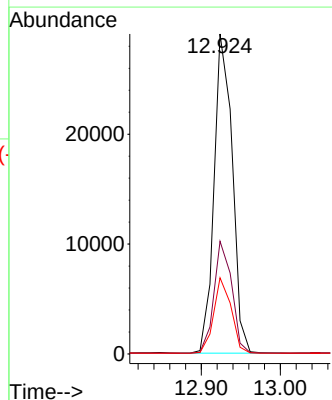
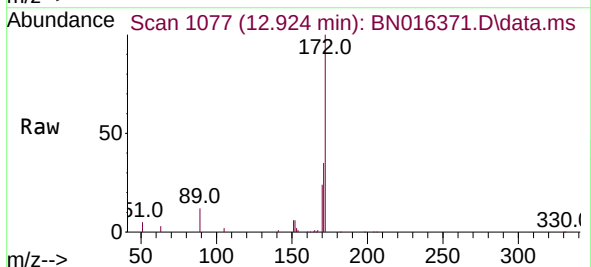
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

Tgt Ion:330 Resp: 5740  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 44.9 25.0 37.4#

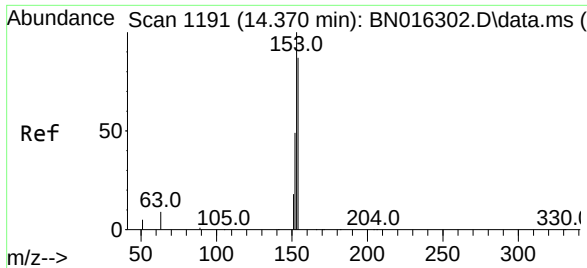


#15  
2-Fluorobiphenyl  
Concen: 0.197 ng  
RT: 12.924 min Scan# 1077  
Delta R.T. -0.013 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:172 Resp: 46423  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.8 41.6  
170 23.8 18.2 27.2



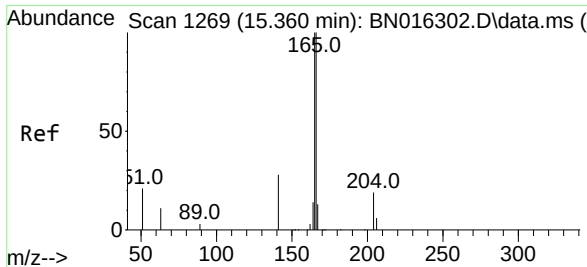
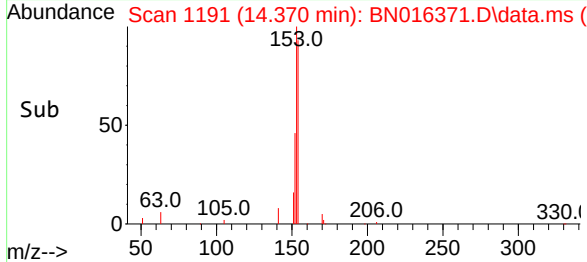
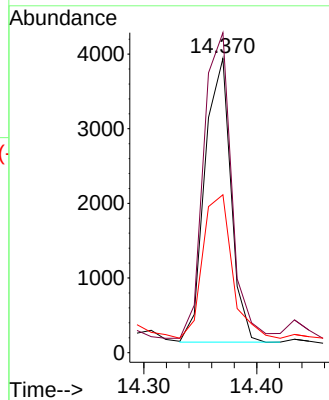
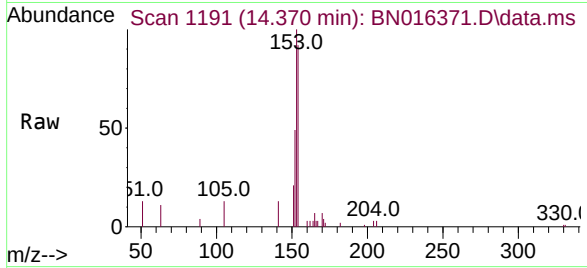




#17  
Acenaphthene  
Concen: 0.035 ng  
RT: 14.370 min Scan# 1191  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

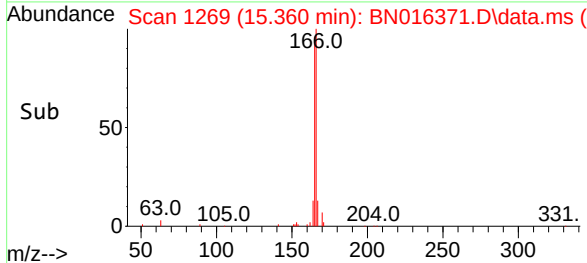
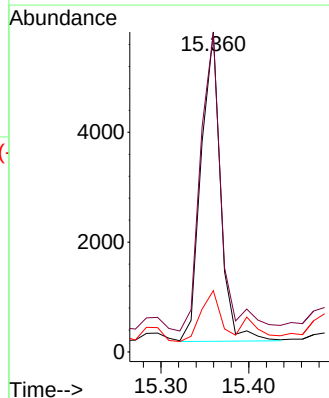
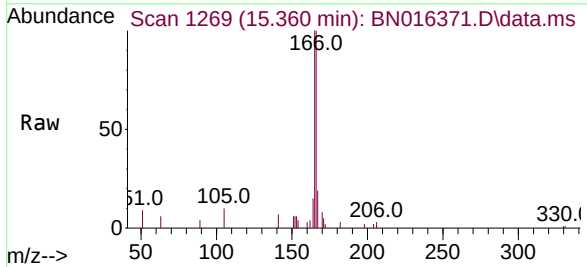
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

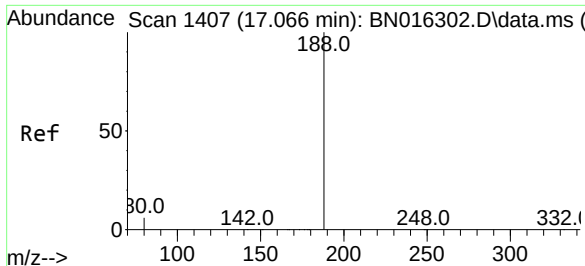
Tgt Ion:154 Resp: 6086  
Ion Ratio Lower Upper  
154 100  
153 115.1 89.3 133.9  
152 57.0 42.2 63.4



#18  
Fluorene  
Concen: 0.040 ng  
RT: 15.360 min Scan# 1269  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:166 Resp: 8665  
Ion Ratio Lower Upper  
166 100  
165 102.6 76.7 115.1  
167 17.2 10.9 16.3#

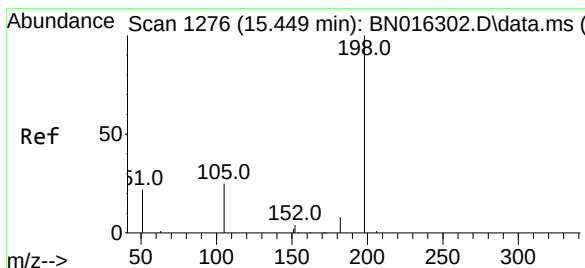
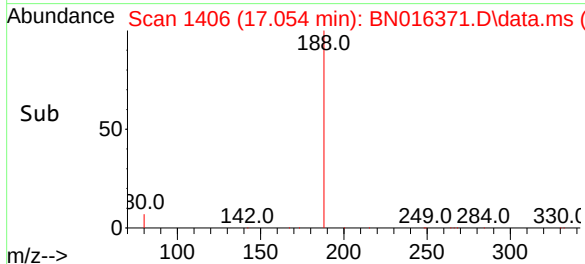
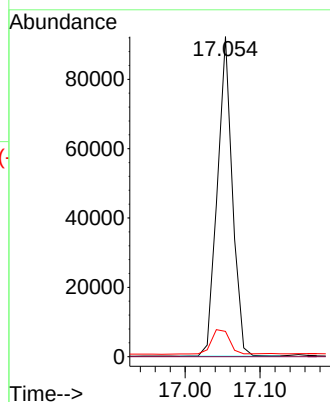
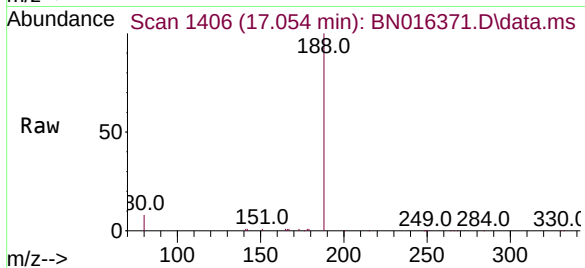




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.054 min Scan# 1406  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

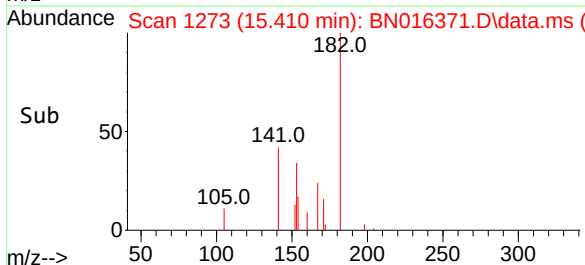
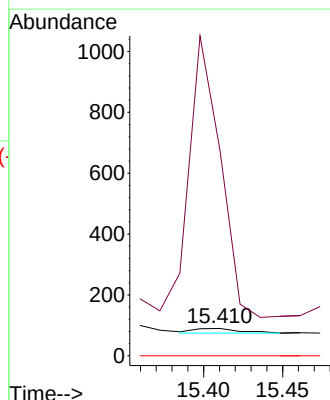
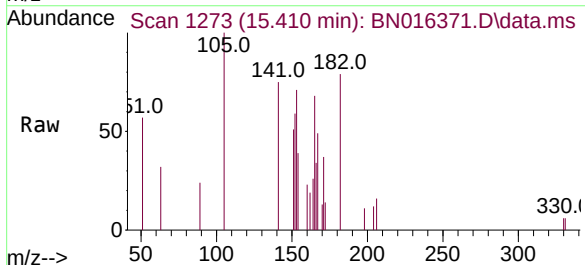
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

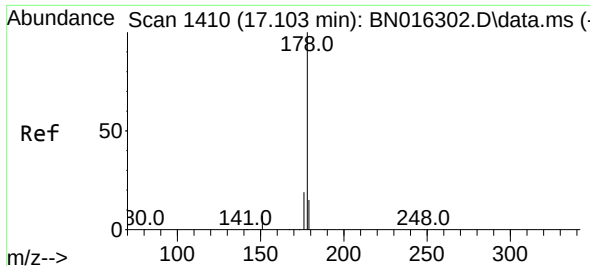
Tgt Ion:188 Resp: 128332  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 7.0 10.6



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.150 ng  
RT: 15.410 min Scan# 1273  
Delta R.T. -0.025 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:198 Resp: 30  
Ion Ratio Lower Upper  
198 100  
182 748.9 26.6 39.8#  
77 0.0 0.0 0.0

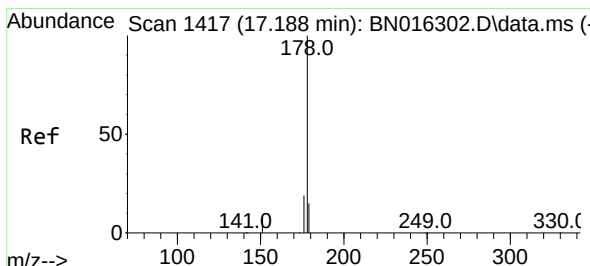
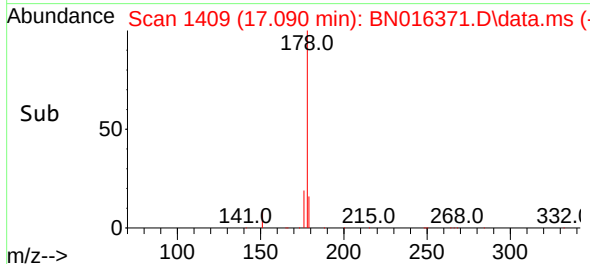
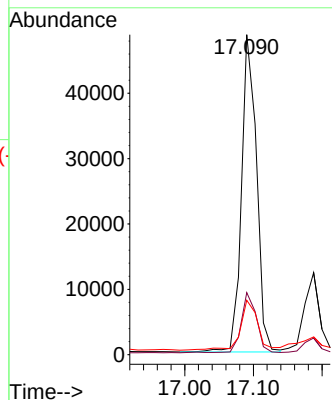
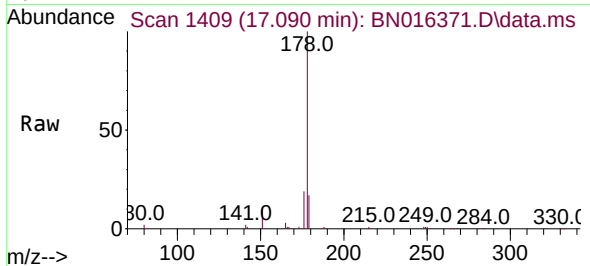




#25  
Phenanthrene  
Concen: 0.204 ng  
RT: 17.090 min Scan# 1409  
Delta R.T. -0.012 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

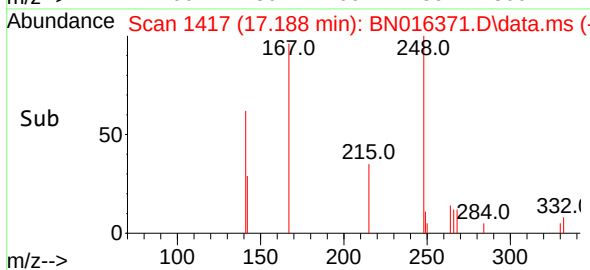
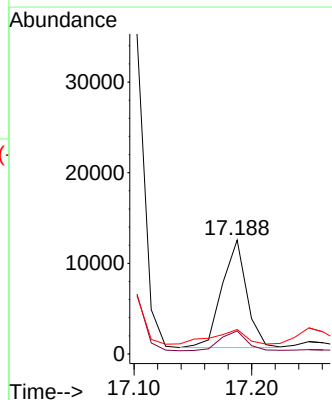
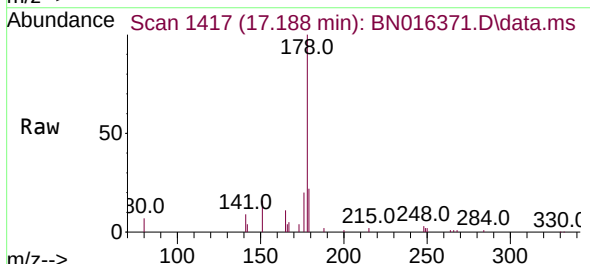
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

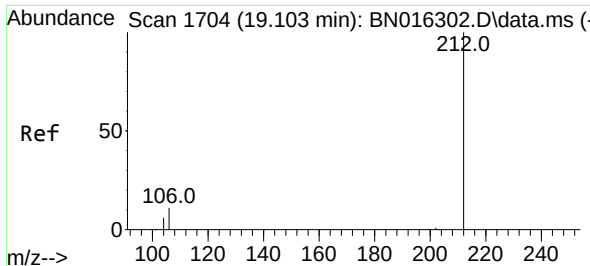
Tgt Ion:178 Resp: 74072  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.4 21.6  
179 17.5 12.2 18.4



#26  
Anthracene  
Concen: 0.049 ng  
RT: 17.188 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:178 Resp: 17274  
Ion Ratio Lower Upper  
178 100  
176 19.7 13.9 20.9  
179 18.1 12.2 18.4

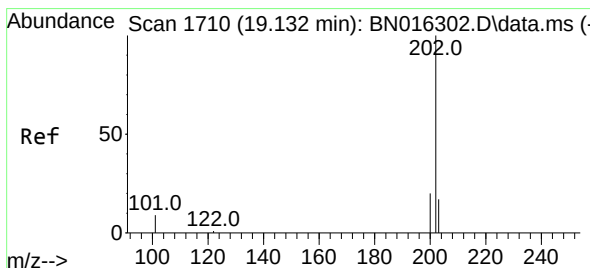
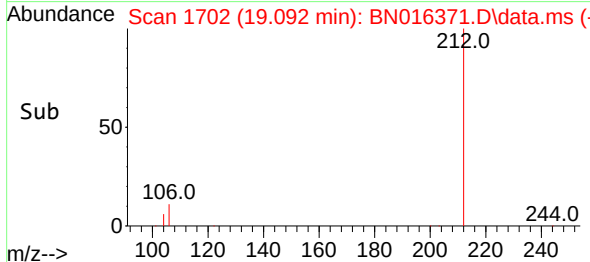
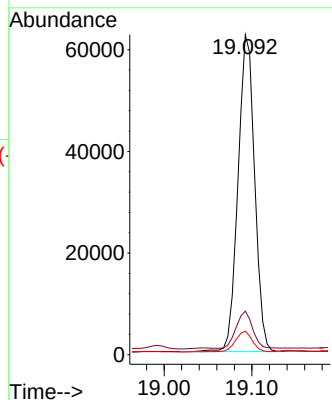
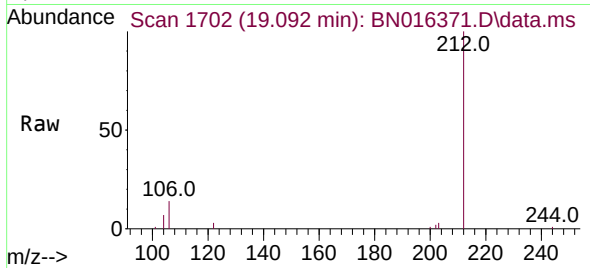




#27  
Fluoranthene-d10  
Concen: 0.221 ng  
RT: 19.092 min Scan# 1702  
Delta R.T. -0.005 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

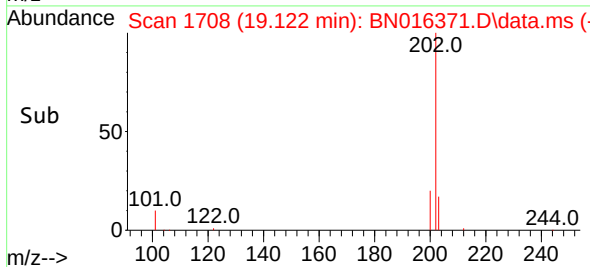
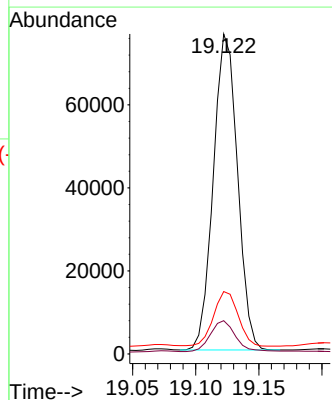
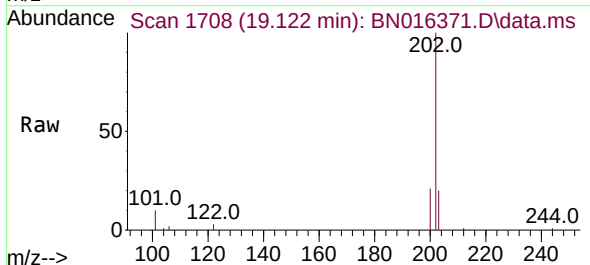
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

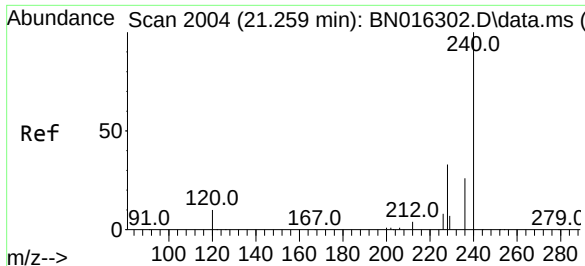
Tgt Ion:212 Resp: 82020  
Ion Ratio Lower Upper  
212 100  
106 11.8 9.8 14.6  
104 6.7 5.4 8.2



#28  
Fluoranthene  
Concen: 0.243 ng  
RT: 19.122 min Scan# 1708  
Delta R.T. -0.005 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:202 Resp: 101398  
Ion Ratio Lower Upper  
202 100  
101 10.4 8.5 12.7  
203 17.7 13.8 20.8

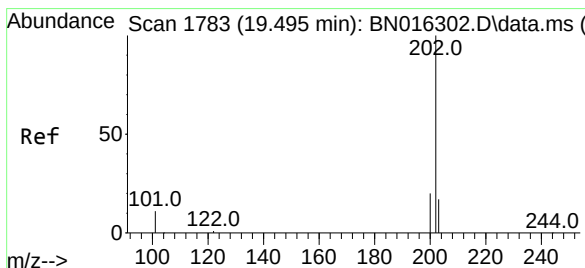
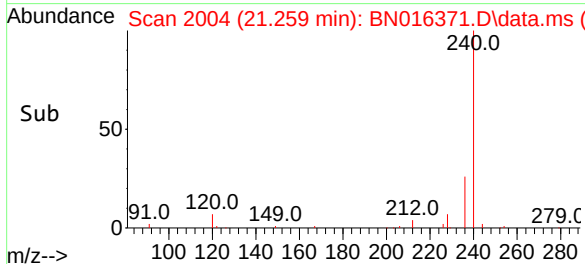
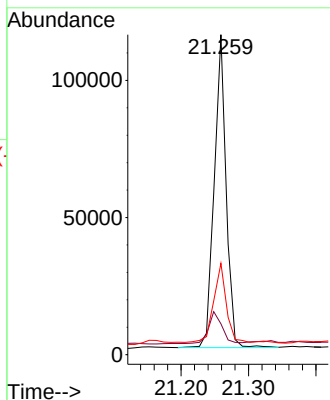
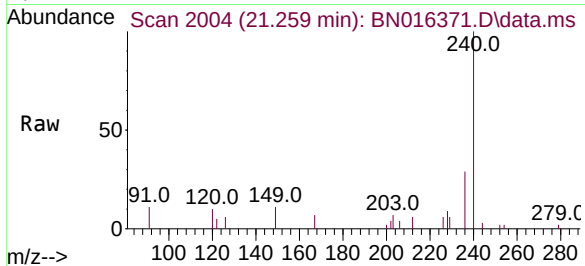




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.259 min Scan# 2004  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

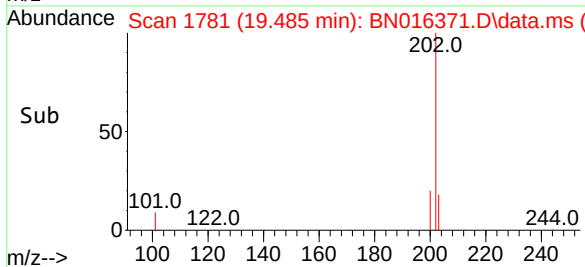
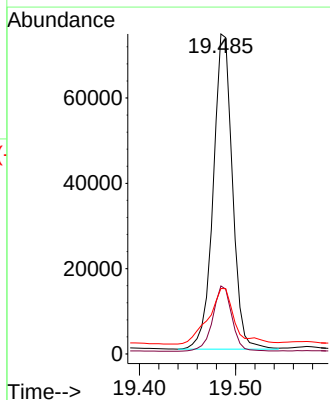
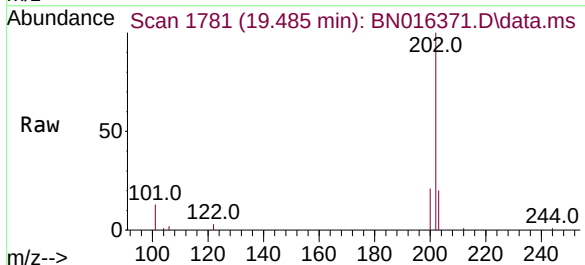
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

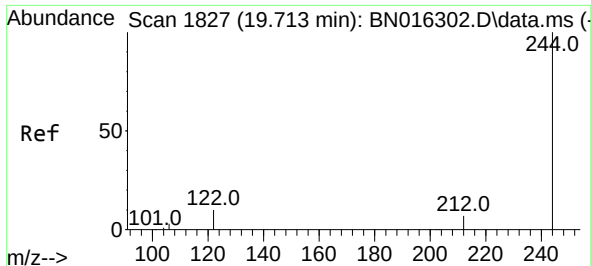
Tgt Ion:240 Resp: 140157  
Ion Ratio Lower Upper  
240 100  
120 9.6 5.3 7.9#  
236 28.5 19.8 29.8



#30  
Pyrene  
Concen: 0.231 ng  
RT: 19.485 min Scan# 1781  
Delta R.T. -0.005 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:202 Resp: 102254  
Ion Ratio Lower Upper  
202 100  
200 20.7 15.8 23.6  
203 23.8 13.9 20.9#

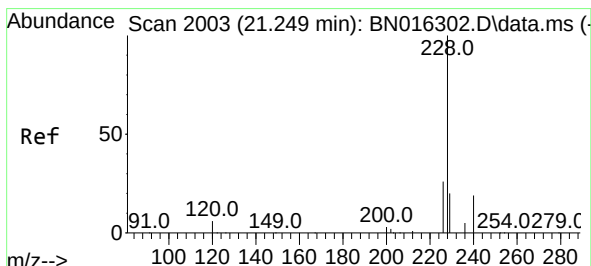
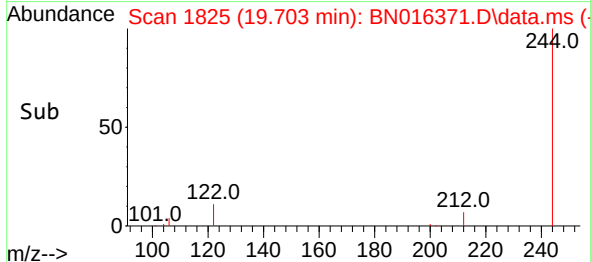
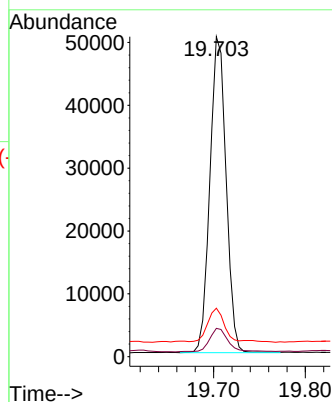
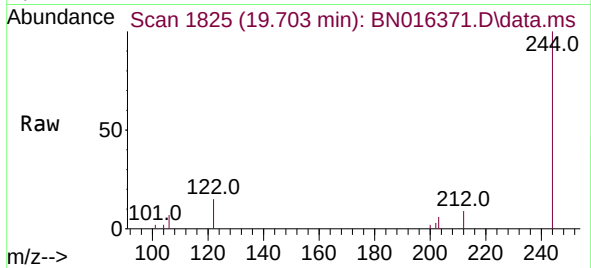




#31  
Terphenyl-d14  
Concen: 0.190 ng  
RT: 19.703 min Scan# 1825  
Delta R.T. -0.005 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

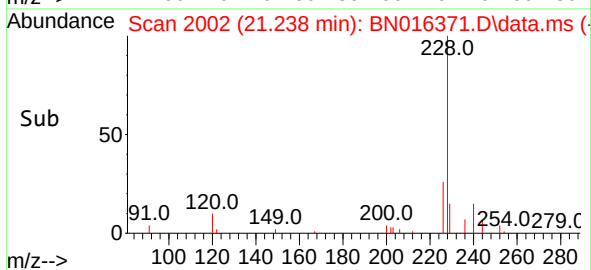
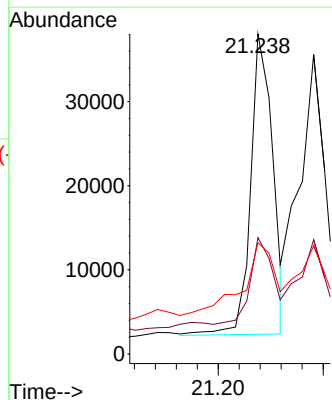
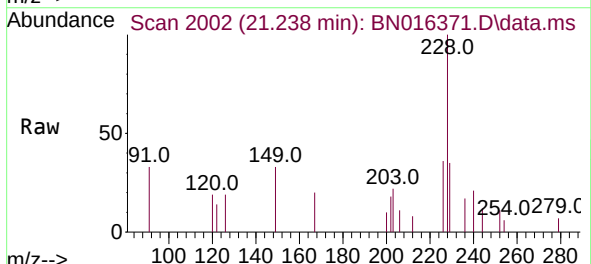
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

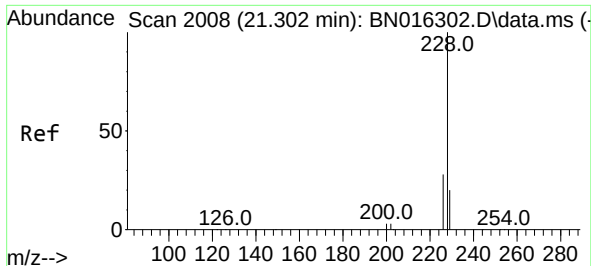
Tgt Ion:244 Resp: 61657  
Ion Ratio Lower Upper  
244 100  
212 8.9 5.5 8.3#  
122 15.1 9.0 13.4#



#32  
Benzo(a)anthracene  
Concen: 0.117 ng  
RT: 21.238 min Scan# 2002  
Delta R.T. -0.011 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

Tgt Ion:228 Resp: 52880  
Ion Ratio Lower Upper  
228 100  
226 36.4 20.8 31.2#  
229 34.8 15.8 23.6#

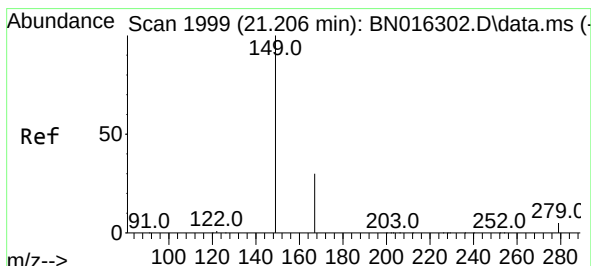
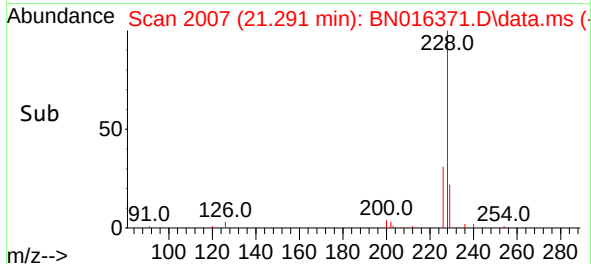
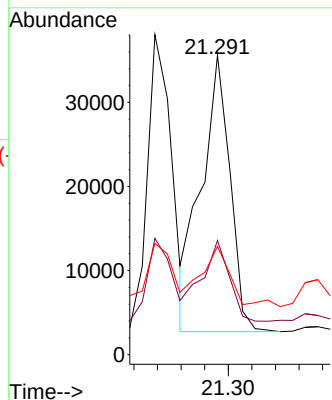
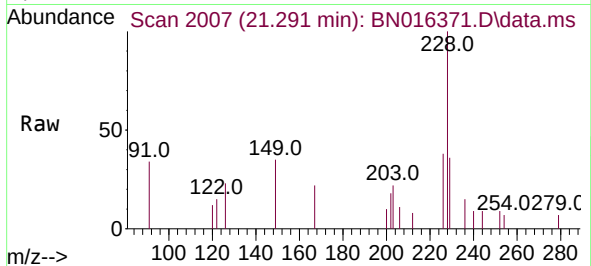




#33  
Chrysene  
Concen: 0.128 ng  
RT: 21.291 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

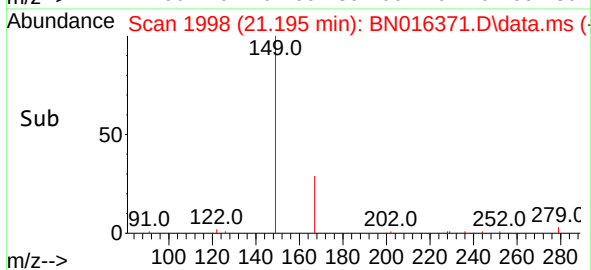
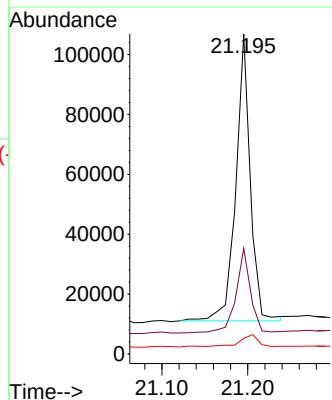
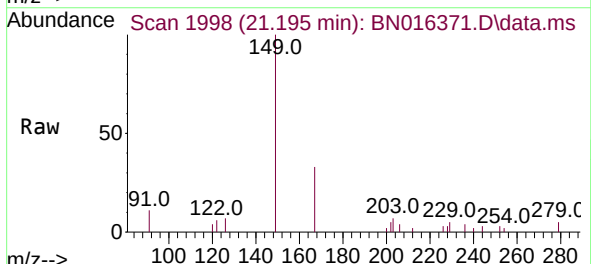
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)

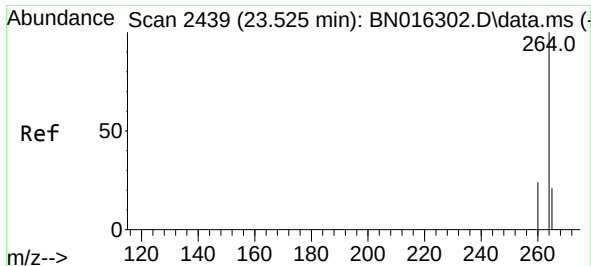
Tgt Ion:228 Resp: 55775  
Ion Ratio Lower Upper  
228 100  
226 38.2 23.0 34.4#  
229 36.2 15.6 23.4#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.461 ng  
RT: 21.195 min Scan# 1998  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

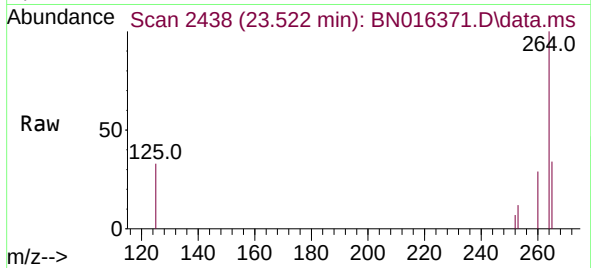
Tgt Ion:149 Resp: 111836  
Ion Ratio Lower Upper  
149 100  
167 29.7 23.4 35.0  
279 5.7 3.9 5.9



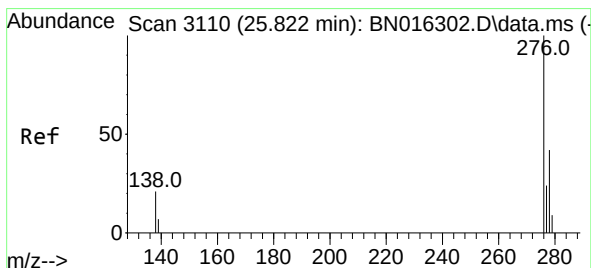
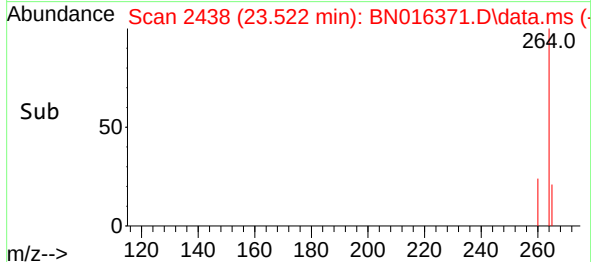
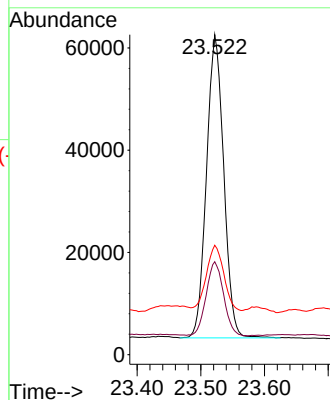


#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.522 min Scan# 2438  
 Delta R.T. -0.003 min  
 Lab File: BN016371.D  
 Acq: 21 Sep 2021 08:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SUP-UST-02-(5-7)

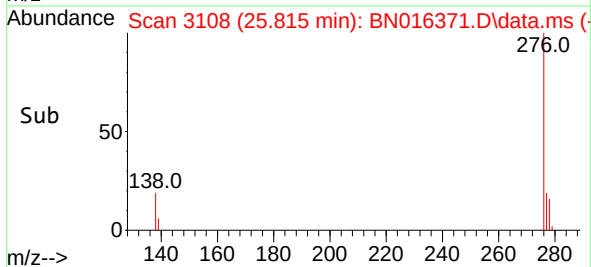
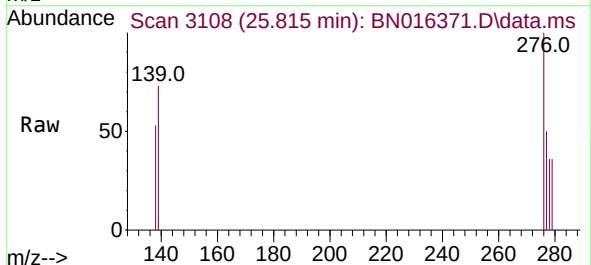
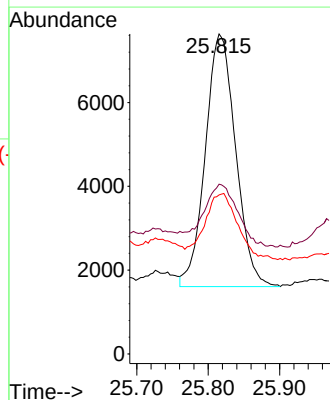


Tgt Ion:264 Resp: 111378  
 Ion Ratio Lower Upper  
 264 100  
 260 29.1 18.9 28.3#  
 265 34.2 23.7 35.5

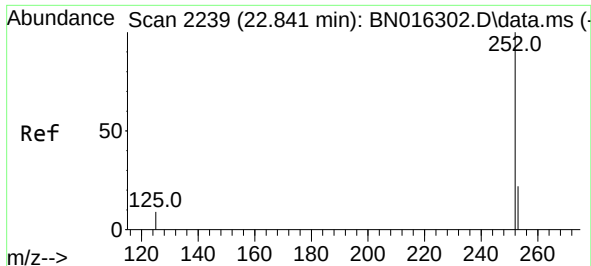


#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.049 ng  
 RT: 25.815 min Scan# 3108  
 Delta R.T. -0.003 min  
 Lab File: BN016371.D  
 Acq: 21 Sep 2021 08:31

Tgt Ion:276 Resp: 17790  
 Ion Ratio Lower Upper  
 276 100  
 138 26.6 19.3 28.9  
 277 28.5 20.2 30.2

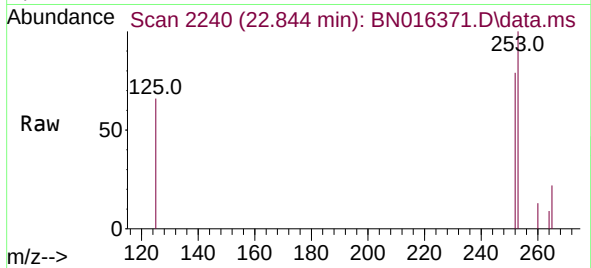




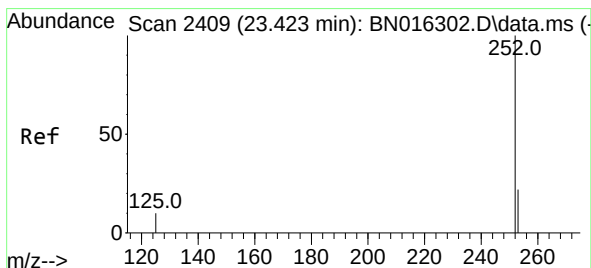
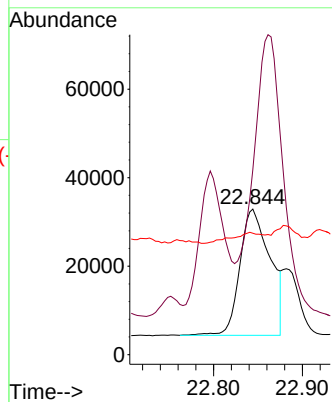
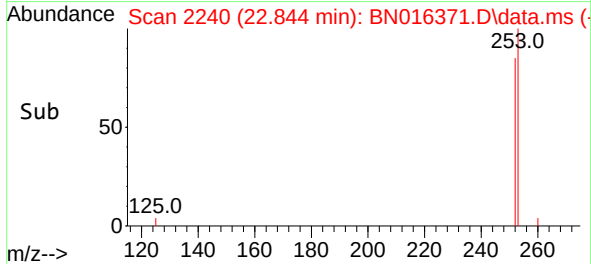


#37  
Benzo(b)fluoranthene  
Concen: 0.192 ng  
RT: 22.844 min Scan# 2240  
Delta R.T. 0.003 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31

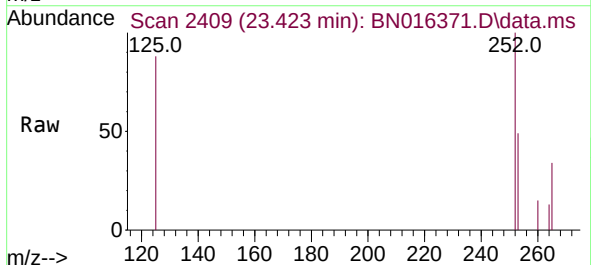
Instrument :  
BNA\_N  
ClientSampleId :  
SUP-UST-02-(5-7)



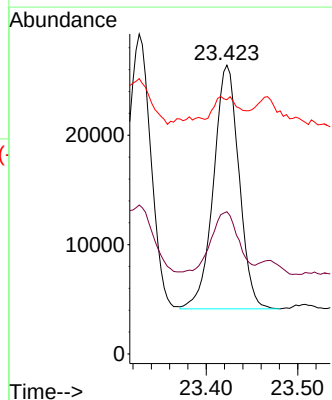
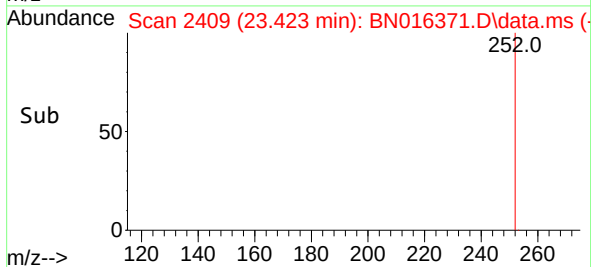
Tgt Ion:252 Resp: 67742  
Ion Ratio Lower Upper  
252 100  
253 127.2 18.2 27.2#  
125 83.4 8.4 12.6#

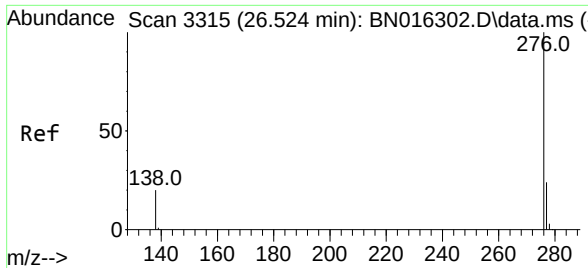


#39  
Benzo(a)pyrene  
Concen: 0.135 ng  
RT: 23.423 min Scan# 2409  
Delta R.T. 0.000 min  
Lab File: BN016371.D  
Acq: 21 Sep 2021 08:31



Tgt Ion:252 Resp: 43102  
Ion Ratio Lower Upper  
252 100  
253 49.3 18.7 28.1#  
125 88.1 9.9 14.9#





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.066 ng  
 RT: 26.520 min Scan# 3314  
 Delta R.T. 0.000 min  
 Lab File: BN016371.D  
 Acq: 21 Sep 2021 08:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SUP-UST-02-(5-7)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 20078 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 44.8  | 20.5  | 30.7# |
| 138       | 43.7  | 18.2  | 27.4# |

