

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031921\  
 Data File : BG048430.D  
 Acq On : 19 Mar 2021 19:06  
 Operator : CG/JU  
 Sample : M1694-01RE  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

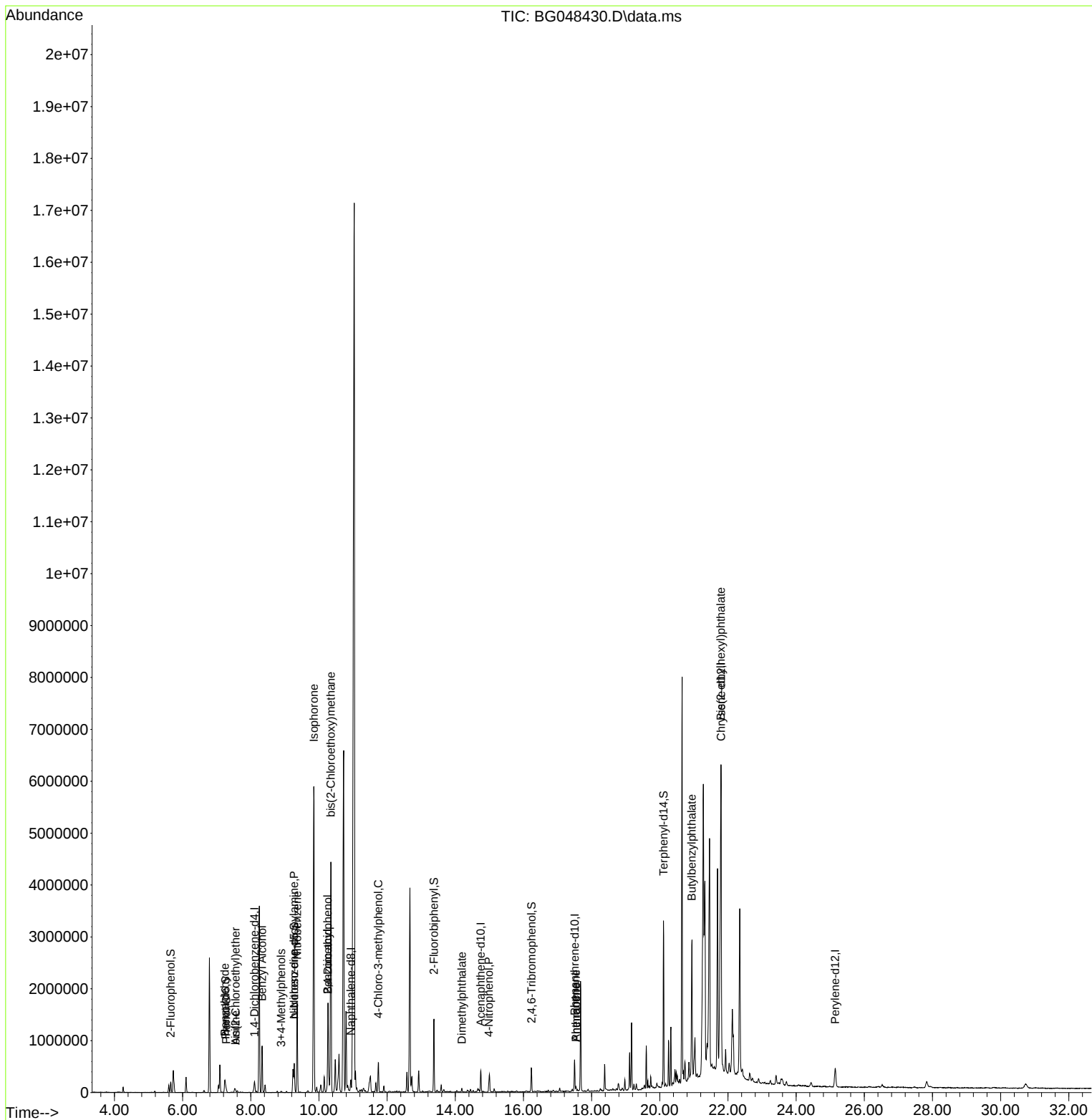
Instrument :  
 BNA\_G  
 ClientSampleId :  
 JG-W

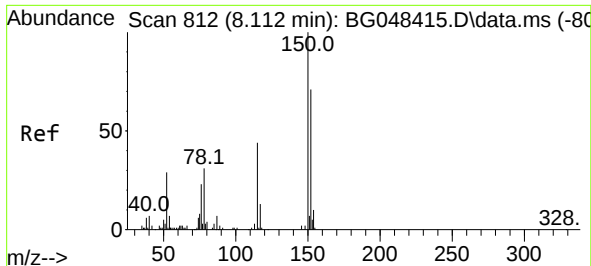
Quant Time: Mar 19 22:52:03 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 18 16:38:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.110  | 152  | 46987    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.937 | 136  | 178312   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.750 | 164  | 148937   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.499 | 188  | 378796   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.800 | 240  | 415817   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.143 | 264  | 400421   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.654  | 112  | 78920    | 27.78  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.258  | 99   | 76150    | 18.42  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.274  | 82   | 338451   | 75.89  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.236 | 330  | 85776    | 35.41  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.375 | 172  | 700241   | 67.63  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.108 | 244  | 1440844  | 62.49  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 6) Aniline                    | 7.552  | 93   | 22003    | 4.50   | ng    | # 57     |
| 9) Benzaldehyde               | 7.235  | 77   | 71769    | 29.25  | ng    | # 80     |
| 10) Phenol                    | 7.282  | 94   | 27758    | 6.55   | ng    | # 80     |
| 11) bis(2-Chloroethyl)ether   | 7.552  | 93   | 22003    | 7.41   | ng    | # 27     |
| 15) Benzyl Alcohol            | 8.334  | 79   | 102134   | 27.82  | ng    | # 57     |
| 19) n-Nitroso-di-n-propyla... | 9.274  | 70   | 49990    | 16.29  | ng    | # 77     |
| 20) 3+4-Methylphenols         | 8.892  | 107  | 9051     | 2.46   | ng    | # 75     |
| 24) Nitrobenzene              | 9.362  | 77   | 44969    | 9.41   | ng    | # 23     |
| 25) Isophorone                | 9.850  | 82   | 289857   | 33.95  | ng    | # 41     |
| 27) 2,4-Dimethylphenol        | 10.255 | 122  | 26991    | 9.53   | ng    | # 1      |
| 28) bis(2-Chloroethoxy)met... | 10.349 | 93   | 184460   | 47.67  | ng    | # 1      |
| 32) Benzoic acid              | 10.255 | 122  | 26991    | 12.24  | ng    | # 42     |
| 36) 4-Chloro-3-methylphenol   | 11.741 | 107  | 450313   | 117.98 | ng    | # 15     |
| 50) Dimethylphthalate         | 14.192 | 163  | 43097    | 3.56   | ng    | # 94     |
| 56) 4-Nitrophenol             | 14.985 | 139  | 19567    | 8.75   | ng    | # 72     |
| 71) Phenanthrene              | 17.541 | 178  | 57148    | 2.86   | ng    | 96       |
| 72) Anthracene                | 17.541 | 178  | 57148    | 2.88   | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.937 | 149  | 21453    | 2.11   | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 21.794 | 149  | 60616    | 4.32   | ng    | # 30     |
| -----                         |        |      |          |        |       |          |

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

Quant Time: Mar 19 22:52:03 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 18 16:38:55 2021  
Response via : Initial Calibration

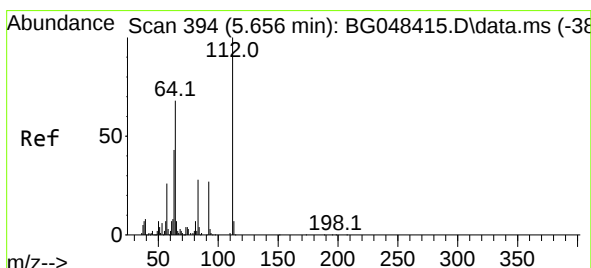
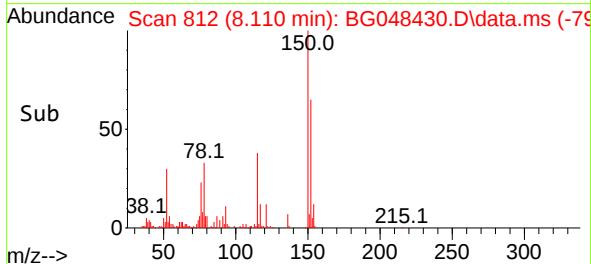
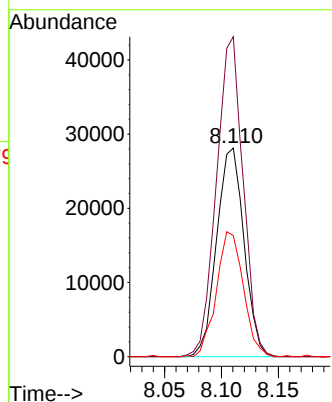
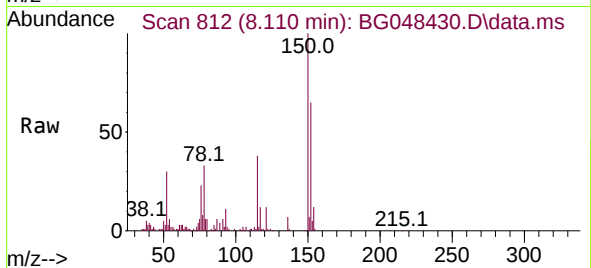




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.110 min Scan# 812  
Delta R.T. -0.002 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

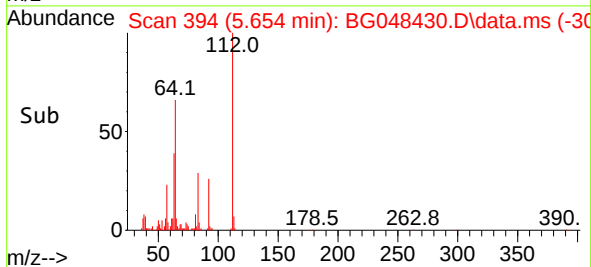
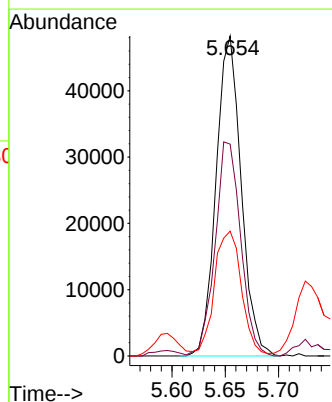
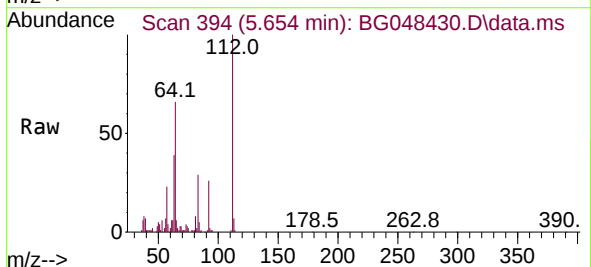
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

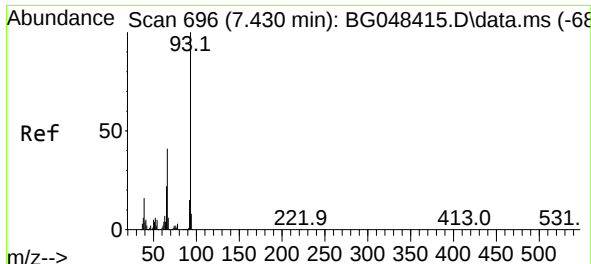
Tgt Ion:152 Resp: 46987  
Ion Ratio Lower Upper  
152 100  
150 153.4 125.0 187.6  
115 58.1 41.8 62.6



#5  
2-Fluorophenol  
Concen: 27.78 ng  
RT: 5.654 min Scan# 394  
Delta R.T. -0.001 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:112 Resp: 78920  
Ion Ratio Lower Upper  
112 100  
64 66.2 46.7 70.1  
63 39.0 22.8 34.2#

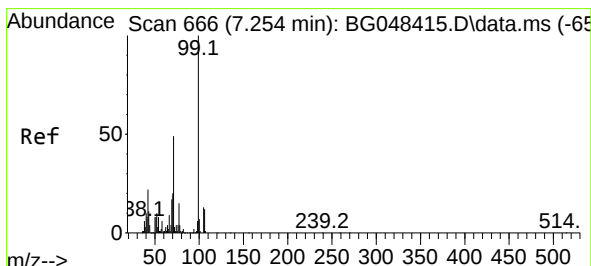
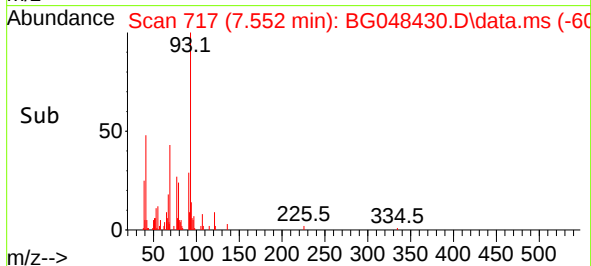
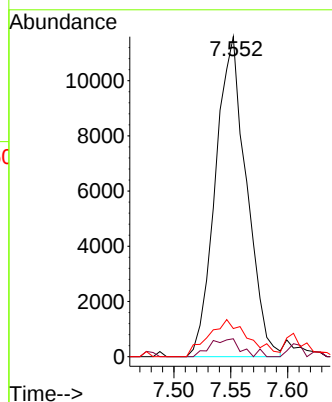
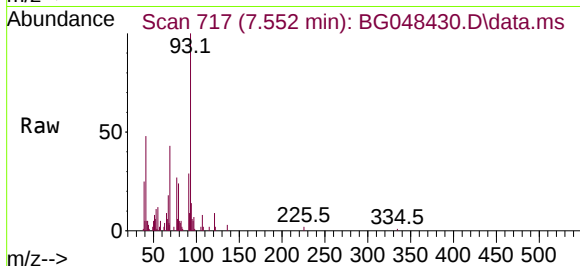




#6  
Aniline  
Concen: 4.50 ng  
RT: 7.552 min Scan# 717  
Delta R.T. 0.122 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

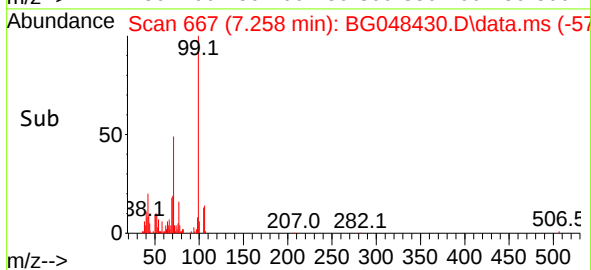
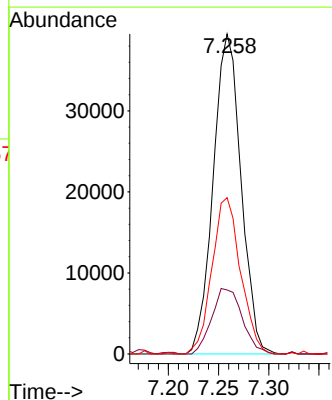
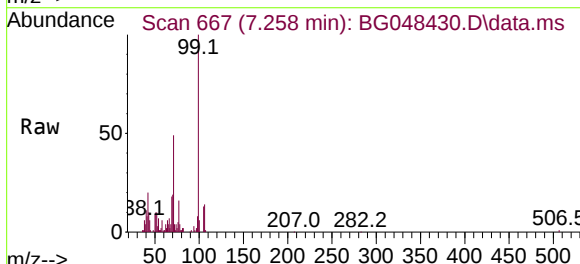
Instrument :  
BNA\_G  
ClientSampleId :  
JG-W

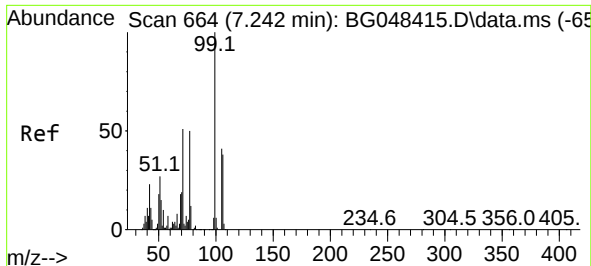
Tgt Ion: 93 Resp: 22003  
Ion Ratio Lower Upper  
93 100  
66 5.6 29.5 44.3#  
65 8.8 15.5 23.3#



#7  
Phenol-d6  
Concen: 18.42 ng  
RT: 7.258 min Scan# 667  
Delta R.T. 0.005 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 99 Resp: 76150  
Ion Ratio Lower Upper  
99 100  
42 20.0 12.8 19.2#  
71 48.9 24.6 36.8#

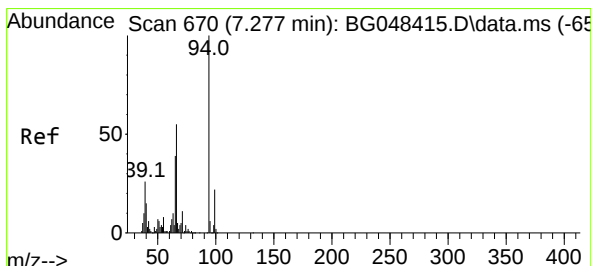
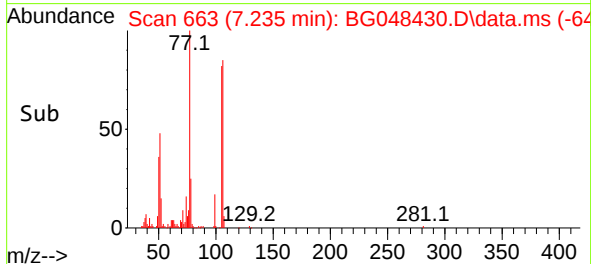
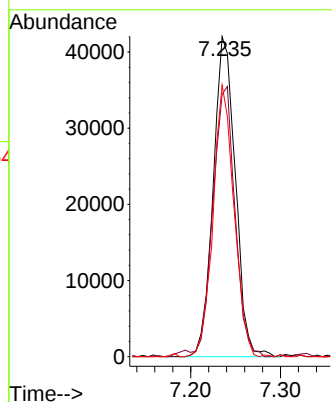
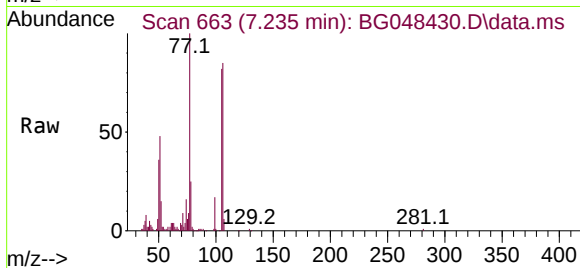




#9  
Benzaldehyde  
Concen: 29.25 ng  
RT: 7.235 min Scan# 663  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

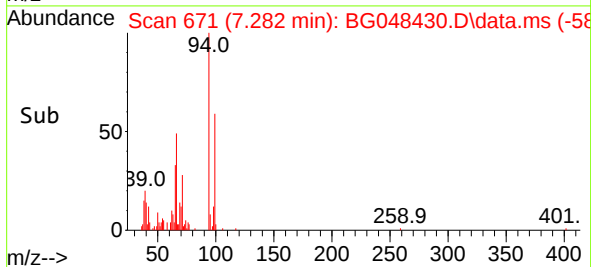
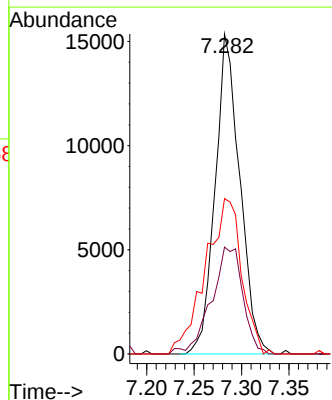
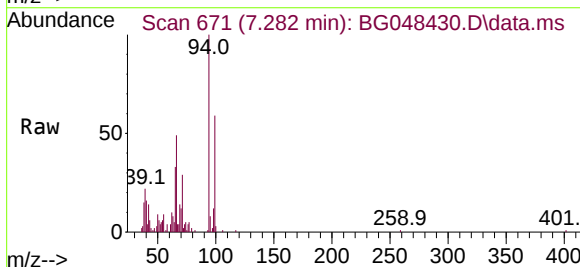
Instrument :  
BNA\_G  
ClientSampleId :  
JG-W

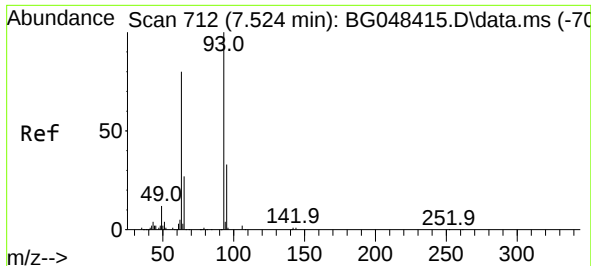
Tgt Ion: 77 Resp: 71769  
Ion Ratio Lower Upper  
77 100  
105 82.0 85.9 125.9#  
106 84.8 80.9 120.9



#10  
Phenol  
Concen: 6.55 ng  
RT: 7.282 min Scan# 671  
Delta R.T. 0.005 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 94 Resp: 27758  
Ion Ratio Lower Upper  
94 100  
65 33.4 6.6 46.6  
66 48.6 13.9 53.9

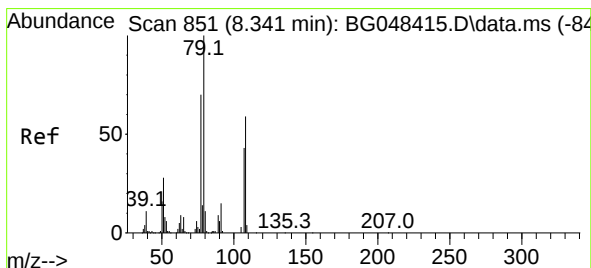
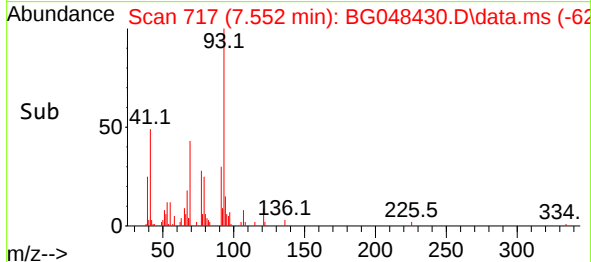
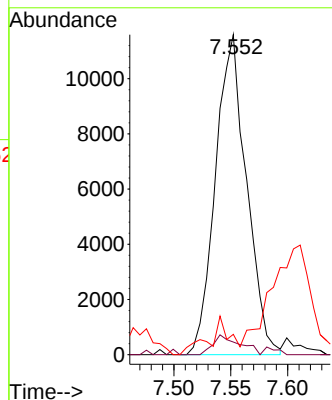
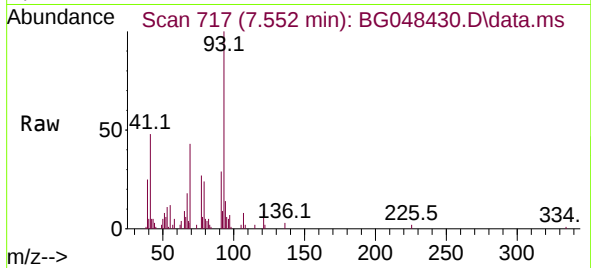




#11  
bis(2-Chloroethyl)ether  
Concen: 7.41 ng  
RT: 7.552 min Scan# 717  
Delta R.T. 0.028 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

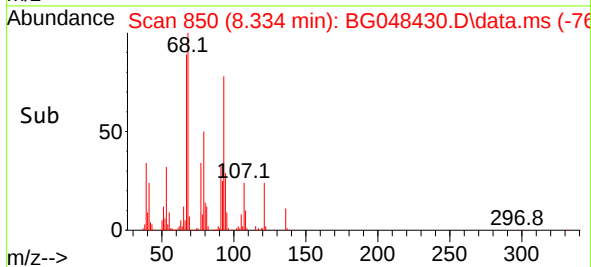
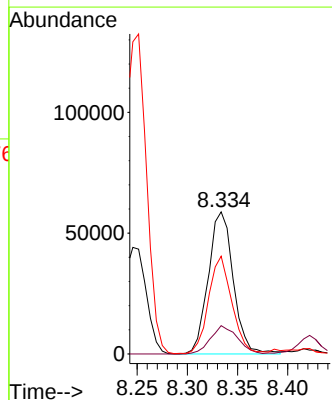
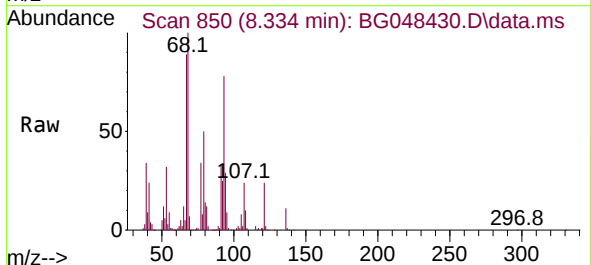
Instrument :  
BNA\_G  
ClientSampleId :  
JG-W

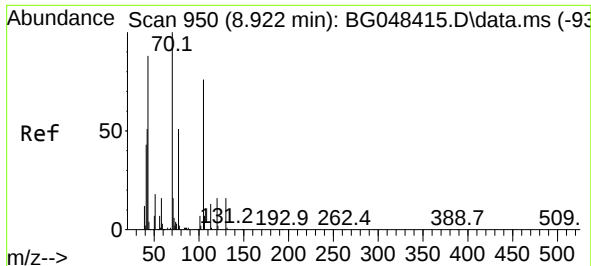
Tgt Ion: 93 Resp: 22003  
Ion Ratio Lower Upper  
93 100  
63 4.0 56.4 96.4#  
95 6.3 13.8 53.8#



#15  
Benzyl Alcohol  
Concen: 27.82 ng  
RT: 8.334 min Scan# 850  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 79 Resp: 102134  
Ion Ratio Lower Upper  
79 100  
108 19.9 65.5 98.3#  
77 68.8 50.1 75.1

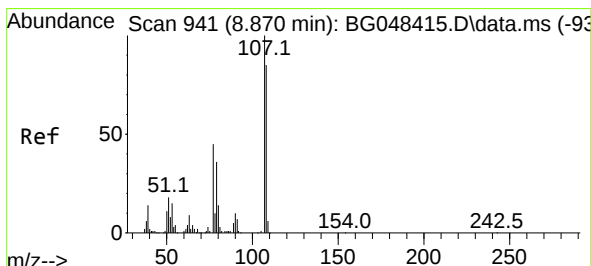
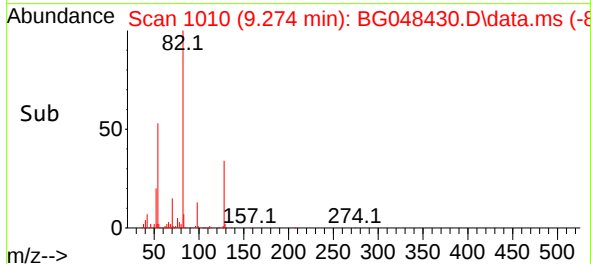
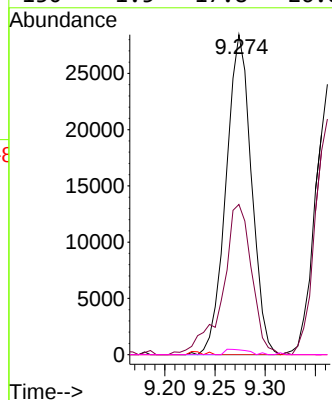
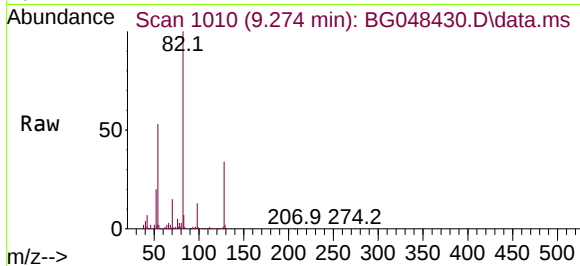




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.29 ng  
RT: 9.274 min Scan# 1010  
Delta R.T. 0.351 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

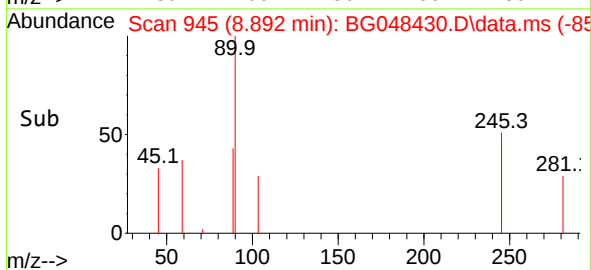
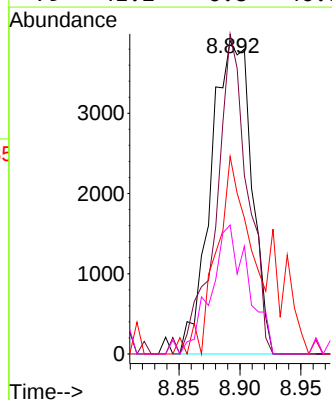
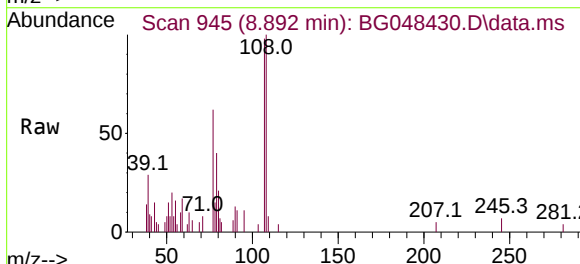
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

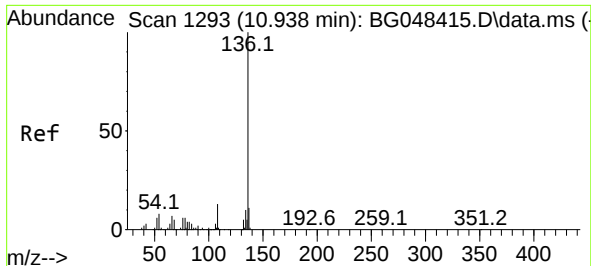
Tgt Ion: 70 Resp: 49990  
Ion Ratio Lower Upper  
70 100  
42 46.9 45.6 68.4  
101 0.0 8.4 12.6#  
130 1.5 17.8 26.8#



#20  
3+4-Methylphenols  
Concen: 2.46 ng  
RT: 8.892 min Scan# 945  
Delta R.T. 0.022 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 107 Resp: 9051  
Ion Ratio Lower Upper  
107 100  
108 102.2 70.6 110.6  
77 63.0 10.2 50.2#  
79 41.2 6.8 46.8

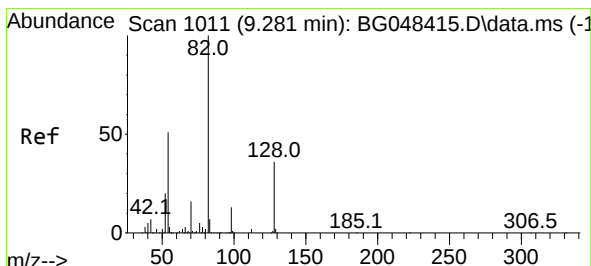
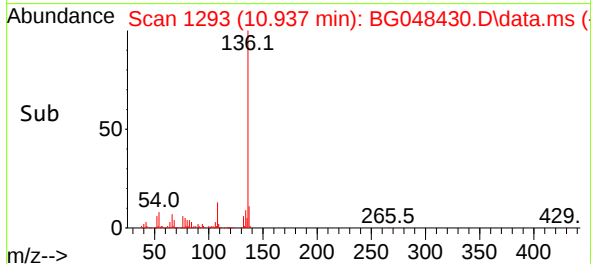
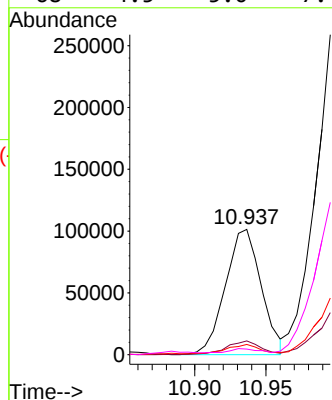
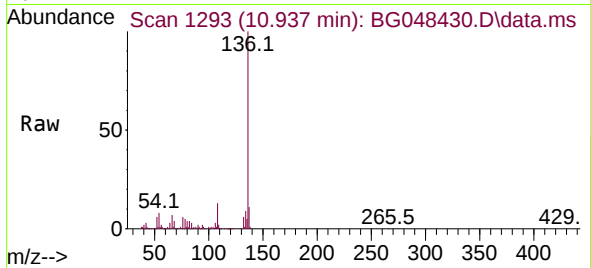




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.937 min Scan# 1293  
Delta R.T. -0.001 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

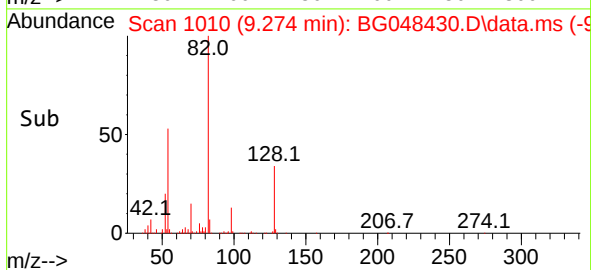
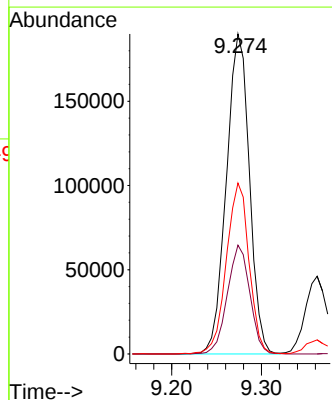
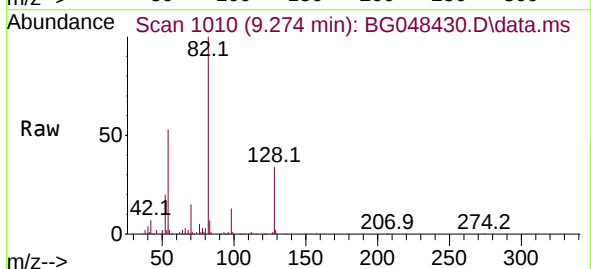
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

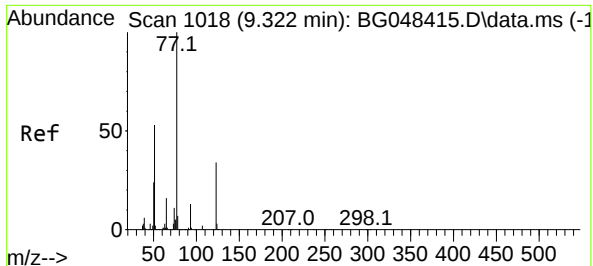
Tgt Ion:136 Resp: 178312  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.1 13.7  
54 8.2 6.2 9.4  
68 4.5 5.0 7.4#



#23  
Nitrobenzene-d5  
Concen: 75.89 ng  
RT: 9.274 min Scan# 1010  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 82 Resp: 338451  
Ion Ratio Lower Upper  
82 100  
128 34.0 37.0 55.6#  
54 53.4 39.0 58.4

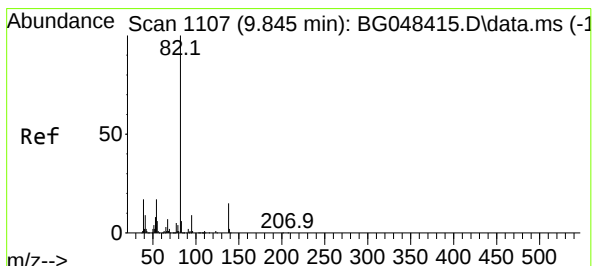
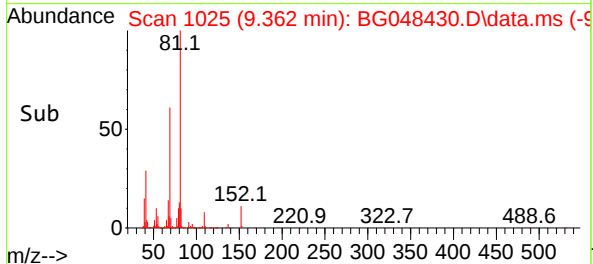
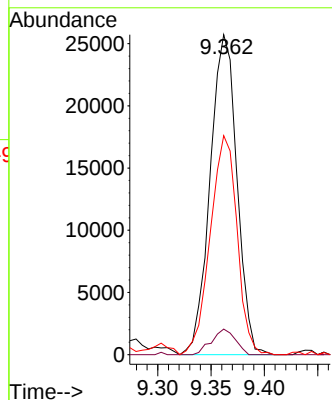
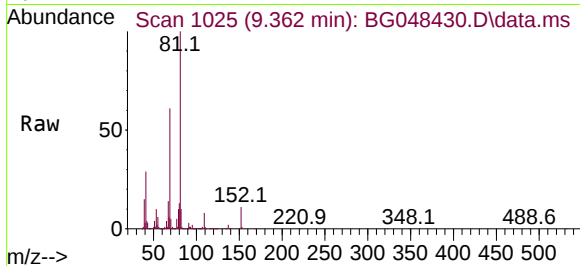




#24  
Nitrobenzene  
Concen: 9.41 ng  
RT: 9.362 min Scan# 1025  
Delta R.T. 0.040 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

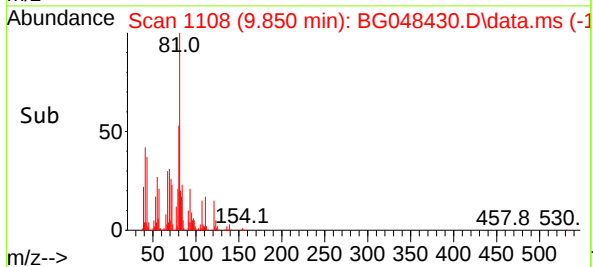
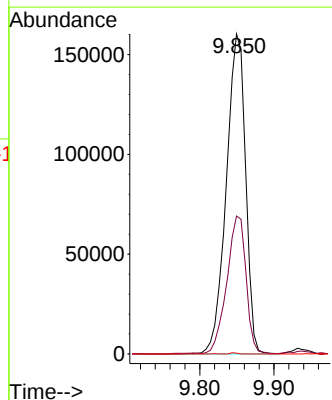
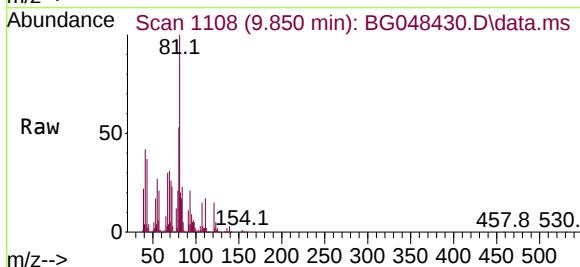
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

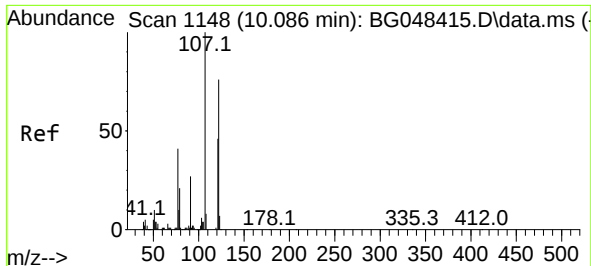
Tgt Ion: 77 Resp: 44969  
Ion Ratio Lower Upper  
77 100  
123 8.0 39.7 59.5#  
65 68.5 10.4 15.6#



#25  
Isophorone  
Concen: 33.95 ng  
RT: 9.850 min Scan# 1108  
Delta R.T. 0.005 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 82 Resp: 289857  
Ion Ratio Lower Upper  
82 100  
95 43.1 5.6 8.4#  
138 0.3 15.8 23.6#

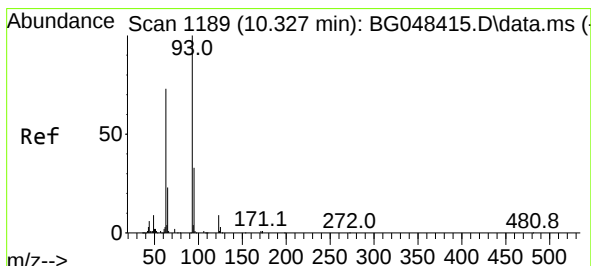
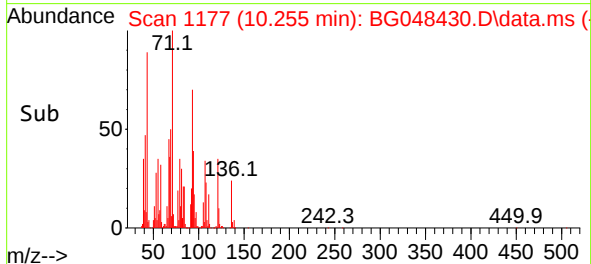
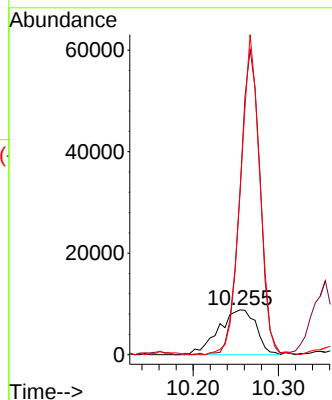
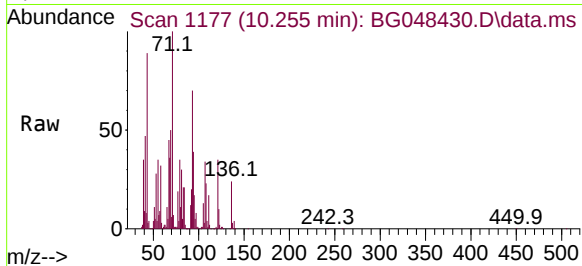




#27  
2,4-Dimethylphenol  
Concen: 9.53 ng  
RT: 10.255 min Scan# 1177  
Delta R.T. 0.169 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

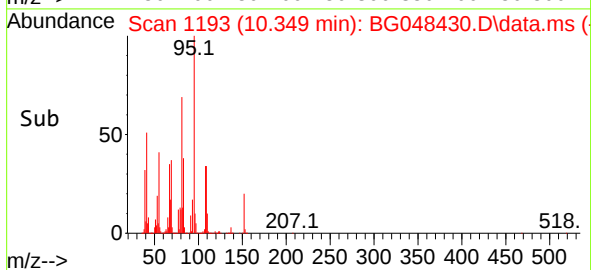
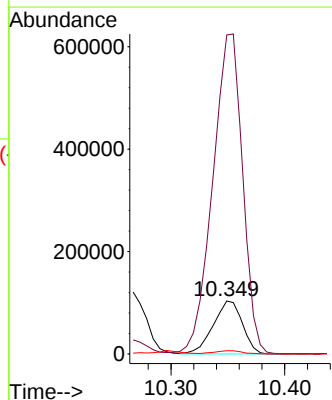
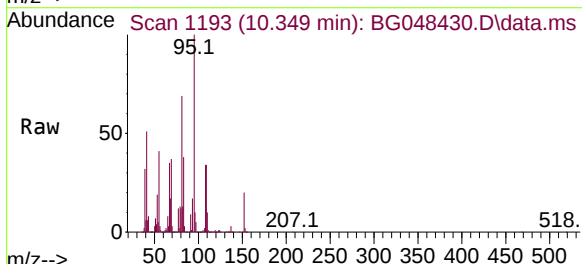
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

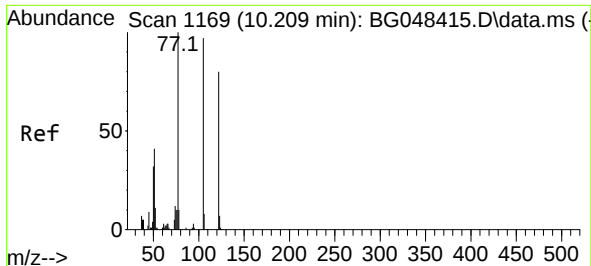
Tgt Ion:122 Resp: 26991  
Ion Ratio Lower Upper  
122 100  
107 361.0 89.2 133.8#  
121 365.9 46.9 70.3#



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.67 ng  
RT: 10.349 min Scan# 1193  
Delta R.T. 0.022 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion: 93 Resp: 184460  
Ion Ratio Lower Upper  
93 100  
95 602.4 26.5 39.7#  
123 6.0 9.4 14.0#

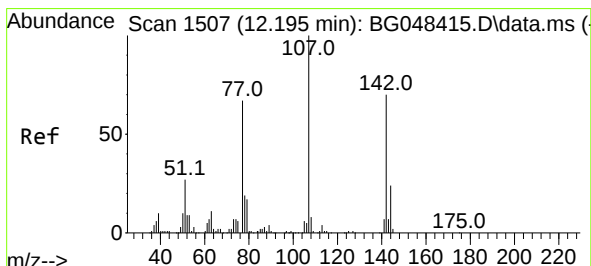
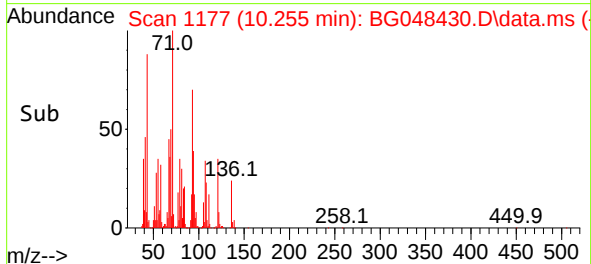
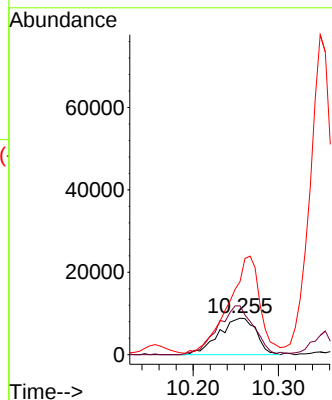
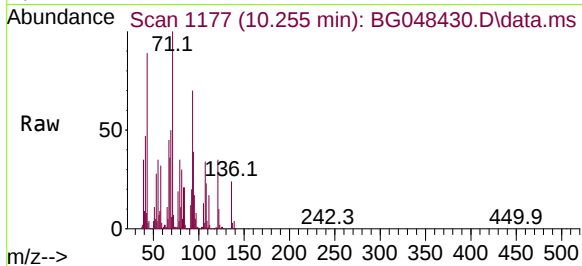




#32  
Benzoic acid  
Concen: 12.24 ng  
RT: 10.255 min Scan# 1177  
Delta R.T. 0.046 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

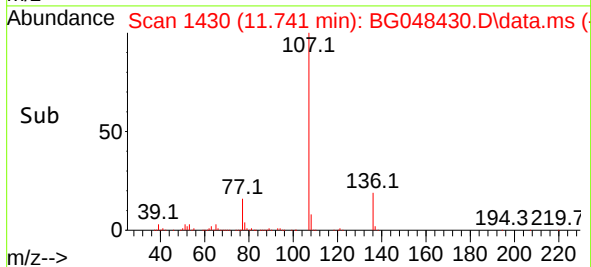
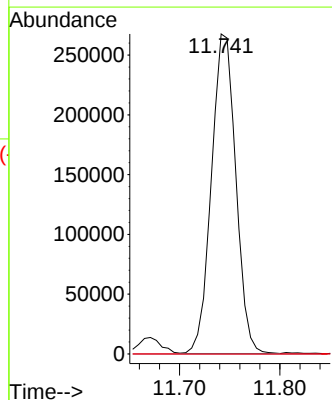
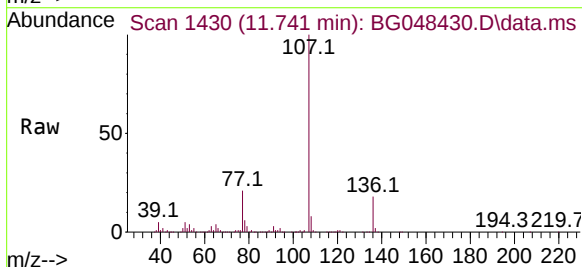
Instrument :  
BNA\_G  
ClientSampleId :  
JG-W

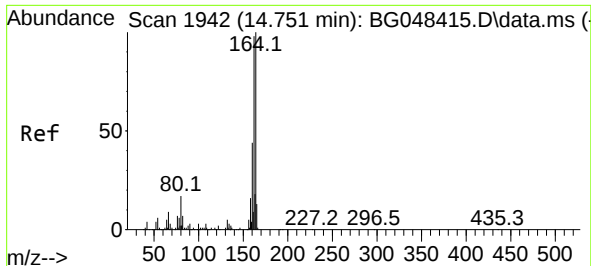
Tgt Ion:122 Resp: 26991  
Ion Ratio Lower Upper  
122 100  
105 134.2 103.7 143.7  
77 200.7 63.0 103.0#



#36  
4-Chloro-3-methylphenol  
Concen: 117.98 ng  
RT: 11.741 min Scan# 1430  
Delta R.T. -0.454 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:107 Resp: 450313  
Ion Ratio Lower Upper  
107 100  
144 0.0 22.5 33.7#  
142 0.0 70.8 106.2#

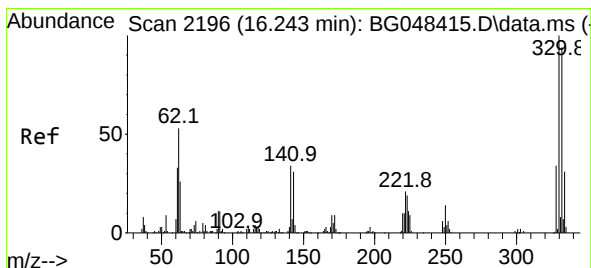
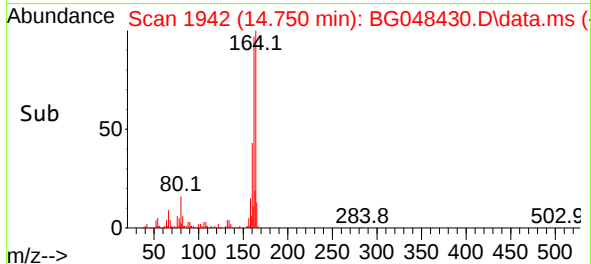
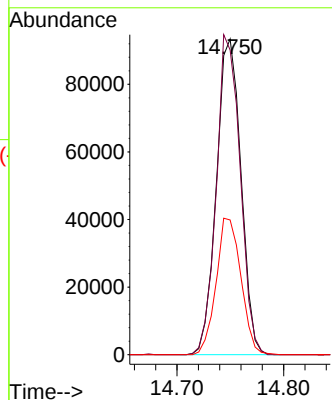
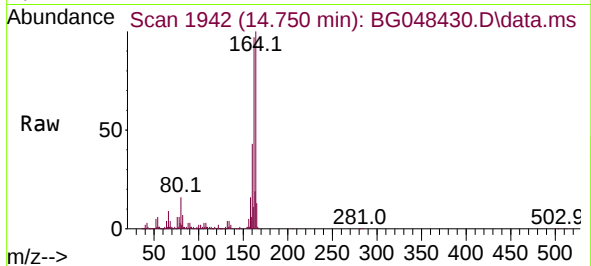




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.750 min Scan# 1942  
Delta R.T. -0.001 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

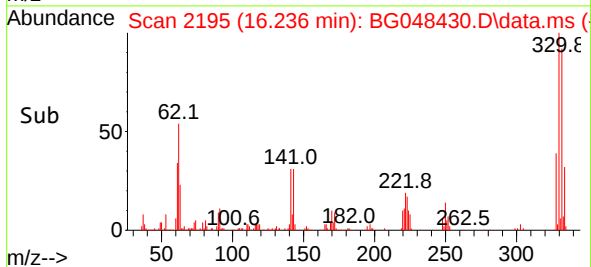
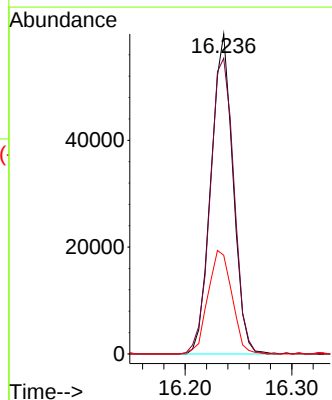
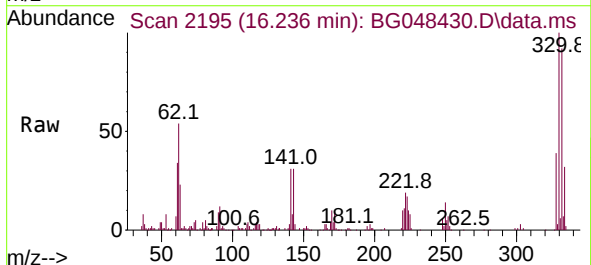
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

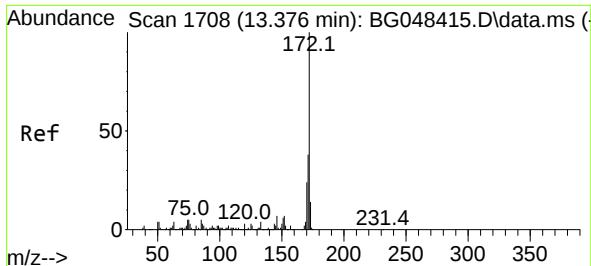
Tgt Ion:164 Resp: 148937  
Ion Ratio Lower Upper  
164 100  
162 96.5 82.3 123.5  
160 42.7 35.3 52.9



#42  
2,4,6-Tribromophenol  
Concen: 35.41 ng  
RT: 16.236 min Scan# 2195  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:330 Resp: 85776  
Ion Ratio Lower Upper  
330 100  
332 99.8 76.5 114.7  
141 35.3 26.0 39.0

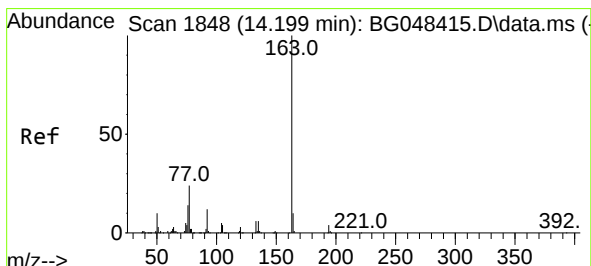
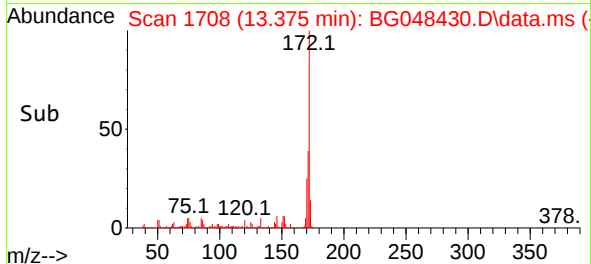
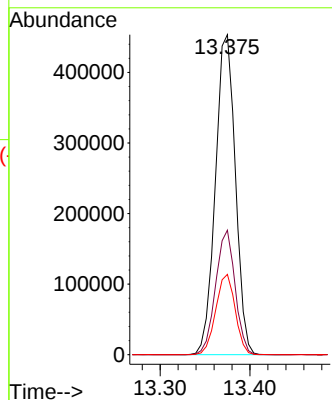
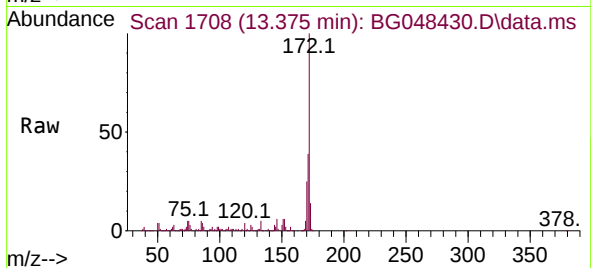




#45  
2-Fluorobiphenyl  
Concen: 67.63 ng  
RT: 13.375 min Scan# 1708  
Delta R.T. -0.001 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

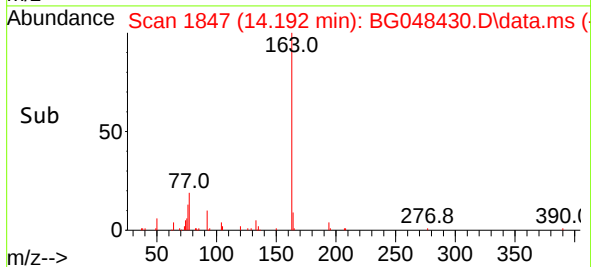
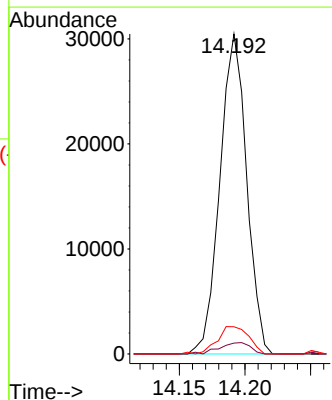
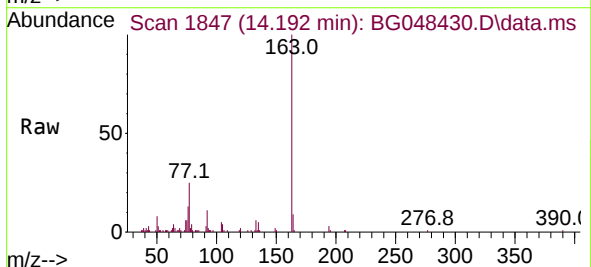
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

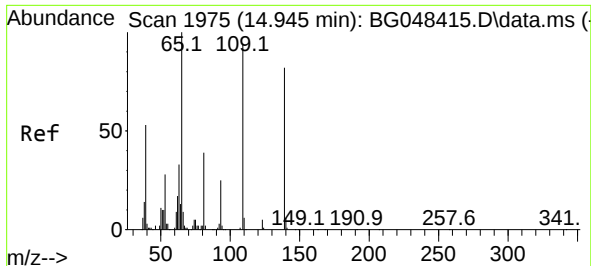
Tgt Ion:172 Resp: 700241  
Ion Ratio Lower Upper  
172 100  
171 38.9 31.3 46.9  
170 25.1 20.8 31.2



#50  
Dimethylphthalate  
Concen: 3.56 ng  
RT: 14.192 min Scan# 1847  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:163 Resp: 43097  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.8 5.8#  
164 8.5 8.8 13.2#

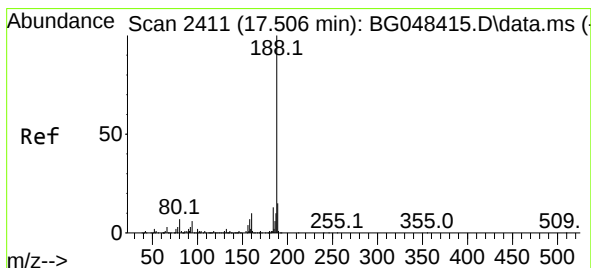
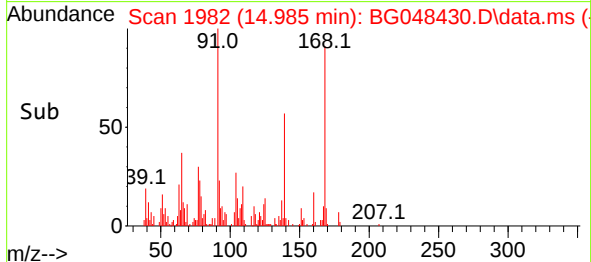
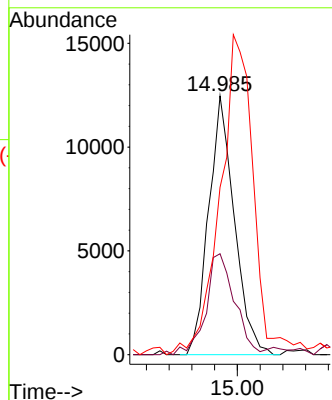
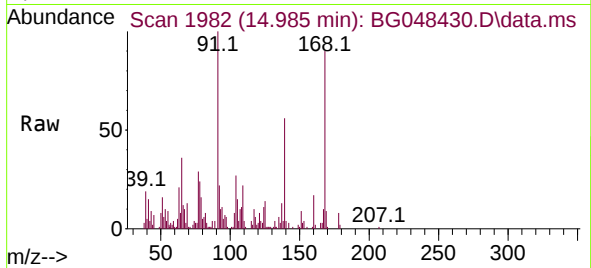




#56  
4-Nitrophenol  
Concen: 8.75 ng  
RT: 14.985 min Scan# 1982  
Delta R.T. 0.040 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

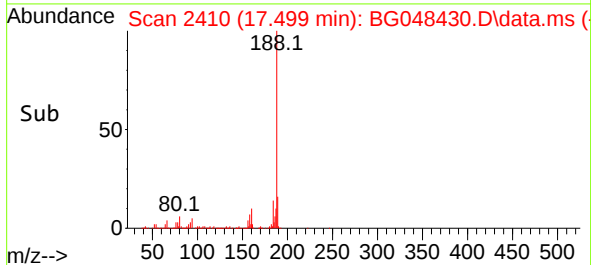
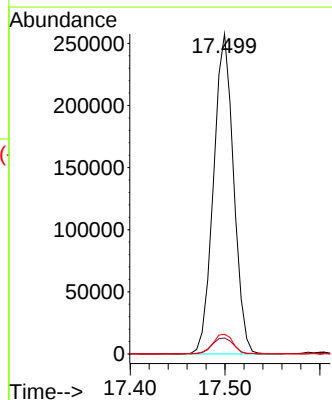
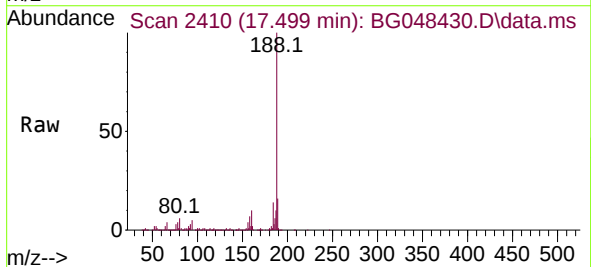
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

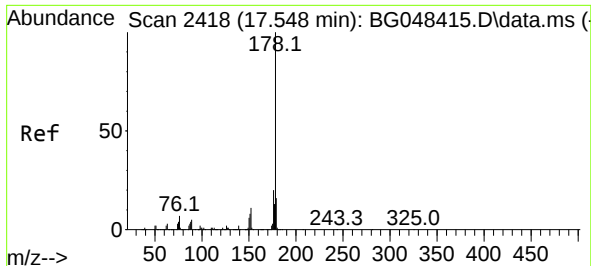
Tgt Ion:139 Resp: 19567  
Ion Ratio Lower Upper  
139 100  
109 39.0 45.9 85.9#  
65 64.7 65.4 105.4#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.499 min Scan# 2410  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:188 Resp: 378796  
Ion Ratio Lower Upper  
188 100  
94 5.0 6.3 9.5#  
80 6.1 7.0 10.6#

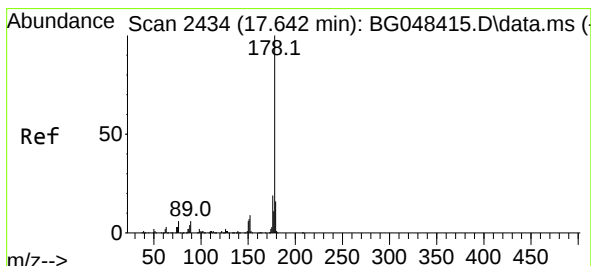
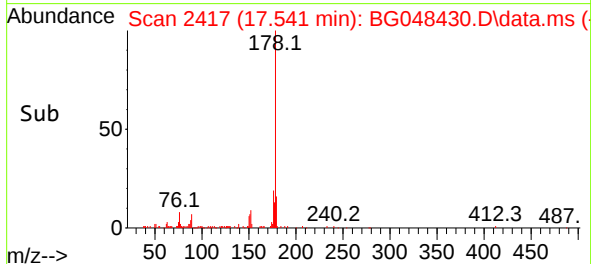
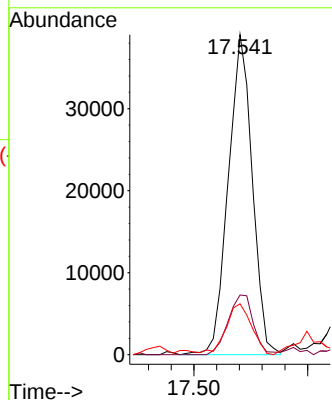
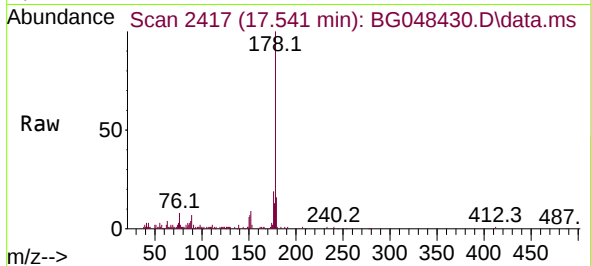




#71  
Phenanthrene  
Concen: 2.86 ng  
RT: 17.541 min Scan# 2417  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

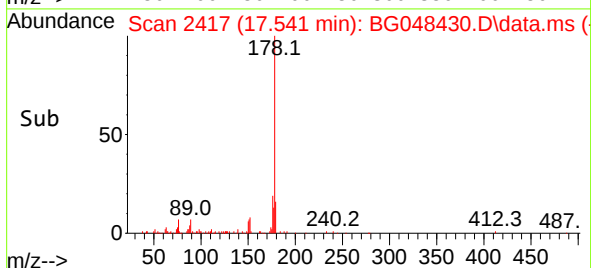
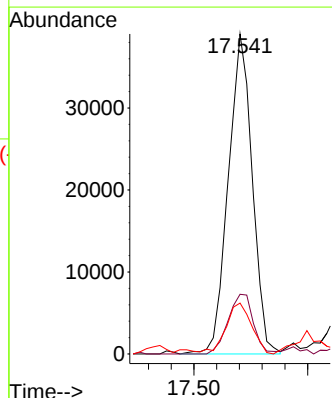
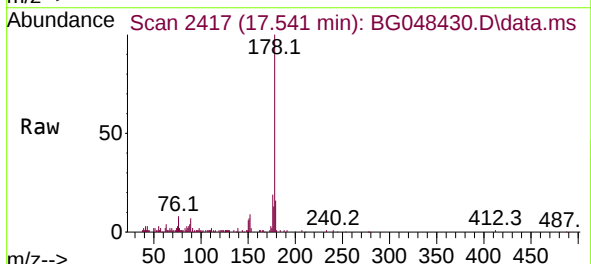
Instrument :  
BNA\_G  
ClientSampleId :  
JG-W

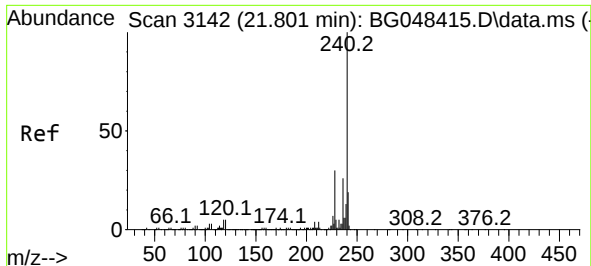
Tgt Ion:178 Resp: 57148  
Ion Ratio Lower Upper  
178 100  
176 18.7 16.7 25.1  
179 15.9 14.0 21.0



#72  
Anthracene  
Concen: 2.88 ng  
RT: 17.541 min Scan# 2417  
Delta R.T. -0.101 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:178 Resp: 57148  
Ion Ratio Lower Upper  
178 100  
176 18.7 16.4 24.6  
179 15.9 13.8 20.6

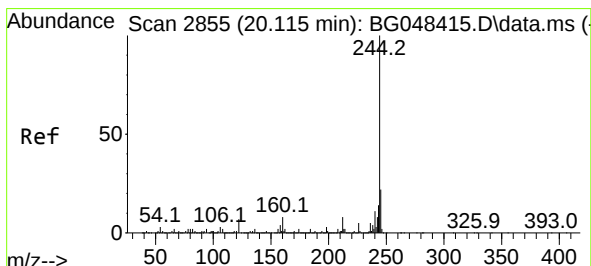
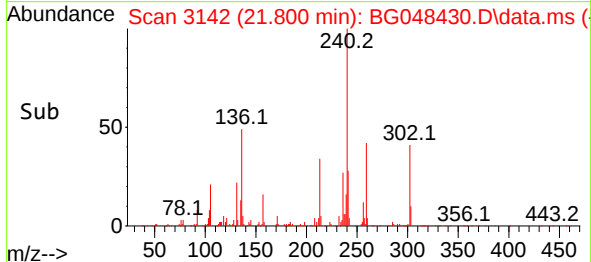
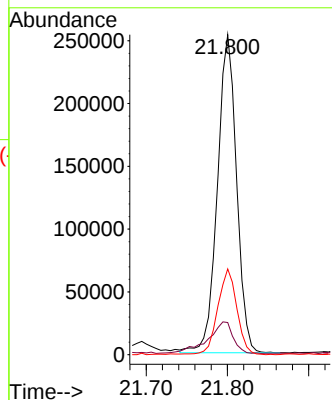
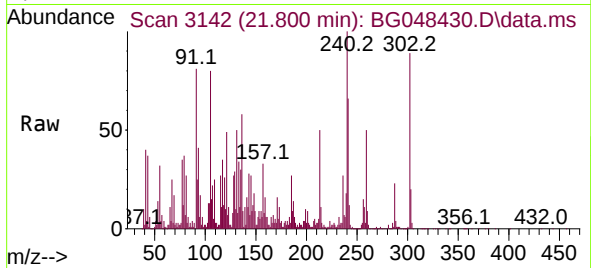




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.800 min Scan# 3142  
Delta R.T. -0.001 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

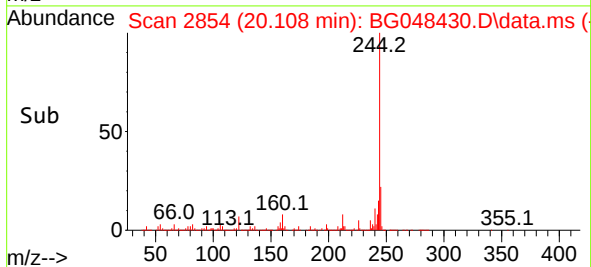
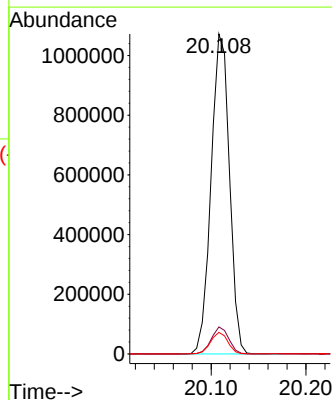
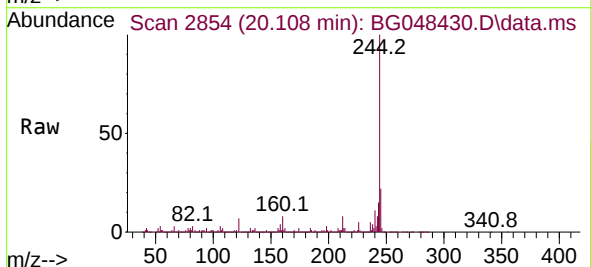
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

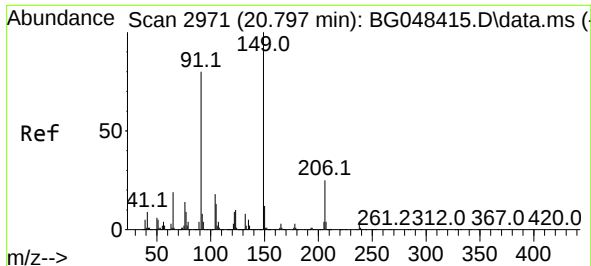
Tgt Ion:240 Resp: 415817  
Ion Ratio Lower Upper  
240 100  
120 10.0 6.2 9.4#  
236 26.8 20.5 30.7



#79  
Terphenyl-d14  
Concen: 62.49 ng  
RT: 20.108 min Scan# 2854  
Delta R.T. -0.007 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:244 Resp: 1440844  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.7 10.1  
122 6.7 7.8 11.6#

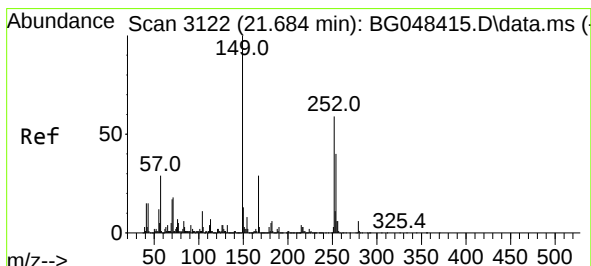
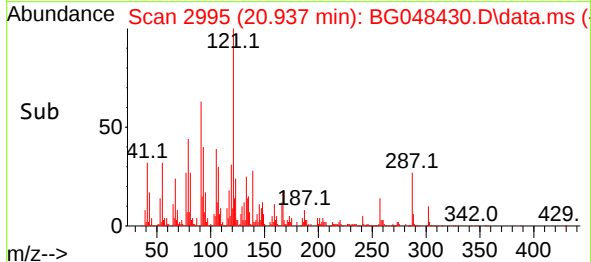
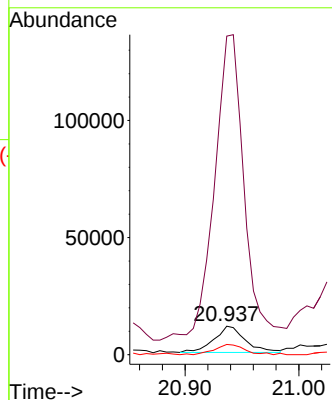
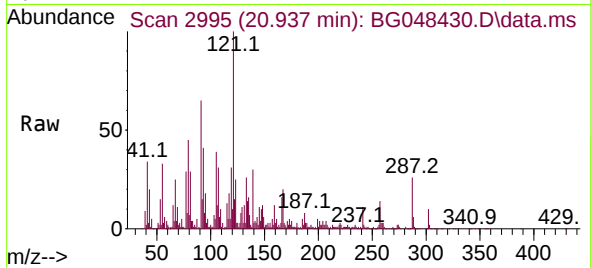




#80  
Butylbenzylphthalate  
Concen: 2.11 ng  
RT: 20.937 min Scan# 2995  
Delta R.T. 0.140 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

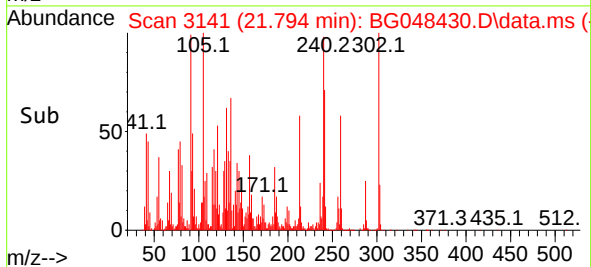
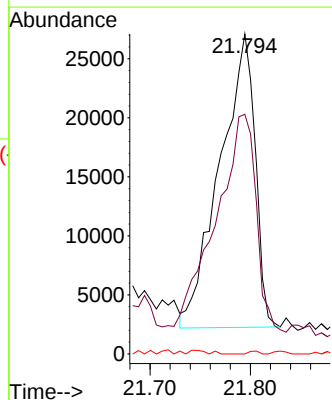
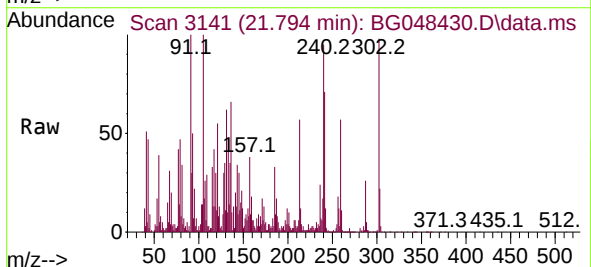
Instrument :  
BNA\_G  
ClientSampled :  
JG-W

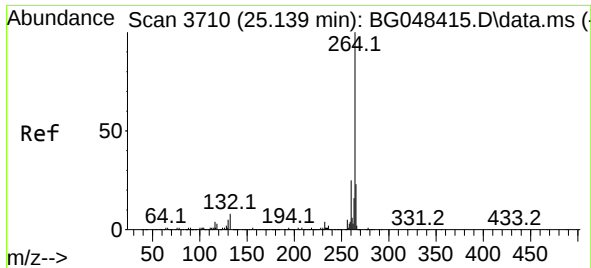
Tgt Ion:149 Resp: 21453  
Ion Ratio Lower Upper  
149 100  
91 1118.7 51.5 77.3#  
206 36.1 21.2 31.8#



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.32 ng  
RT: 21.794 min Scan# 3141  
Delta R.T. 0.110 min  
Lab File: BG048430.D  
Acq: 19 Mar 2021 19:06

Tgt Ion:149 Resp: 60616  
Ion Ratio Lower Upper  
149 100  
167 74.9 24.8 37.2#  
279 0.0 4.6 7.0#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.143 min Scan# 3711  
 Delta R.T. 0.005 min  
 Lab File: BG048430.D  
 Acq: 19 Mar 2021 19:06

Instrument :  
 BNA\_G  
 ClientSampled :  
 JG-W

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 400421    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.8  | 18.8 28.2 |
| 265         | 20.6  | 17.8 26.8 |

