

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041621\  
 Data File : BG048736.D  
 Acq On : 16 Apr 2021 22:49  
 Operator : CG/JU  
 Sample : M2041-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-2D

Quant Time: Apr 17 04:21:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 16 15:59:00 2021  
 Response via : Initial Calibration

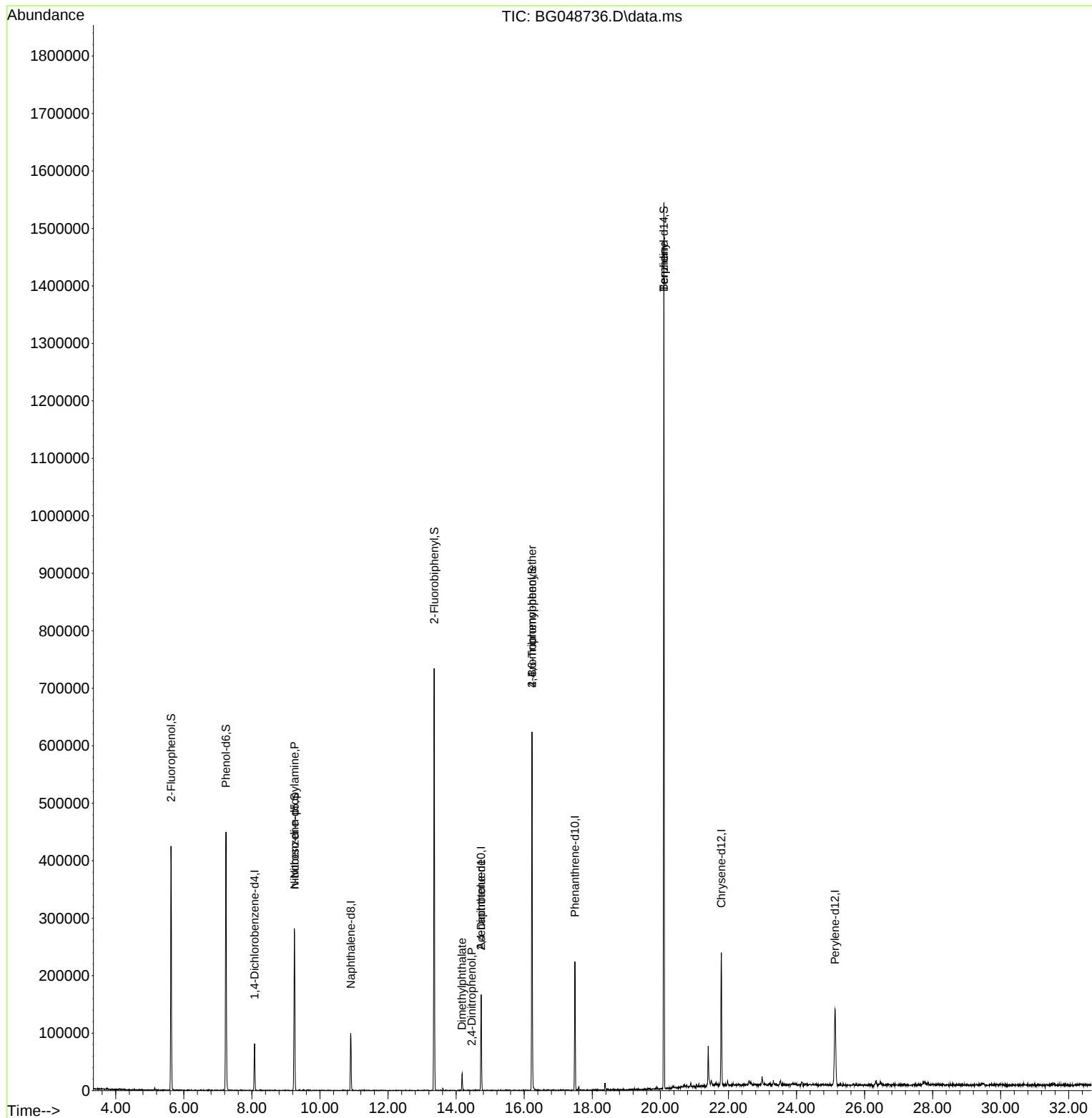
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.079  | 152  | 19817    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.905 | 136  | 82042    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.736 | 164  | 55609    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 132482   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.793 | 240  | 138788   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.130 | 264  | 137985   | 20.00  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.623  | 112  | 156517   | 132.10 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.239  | 99   | 211022   | 125.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.254  | 82   | 163749   | 89.36  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.229 | 330  | 98602    | 132.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.356 | 172  | 346434   | 89.97  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.106 | 244  | 661650   | 82.05  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.254  | 70   | 26647    | 23.57  | ng    | # 69     |
| 50) Dimethylphthalate         | 14.172 | 163  | 17710    | 4.25   | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.454 | 184  | 114      | 5.47   | ng    | # 8      |
| 57) 2,4-Dinitrotoluene        | 14.736 | 165  | 7544     | 5.40   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.229 | 248  | 7320     | 4.80   | ng    | # 1      |
| 77) Benzidine                 | 20.106 | 184  | 13460    | 3.57   | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

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

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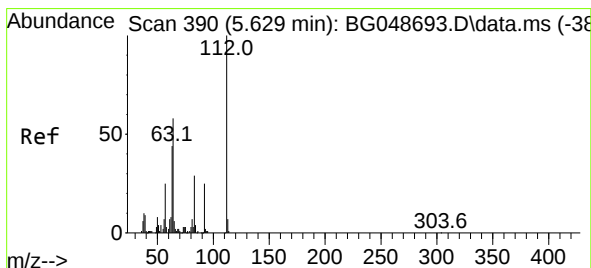
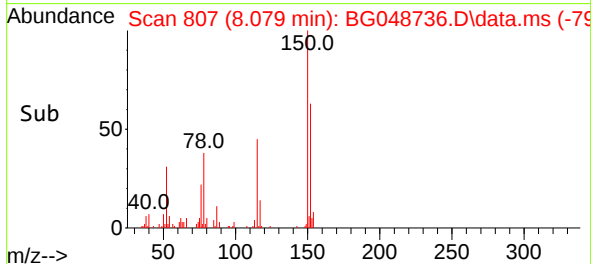
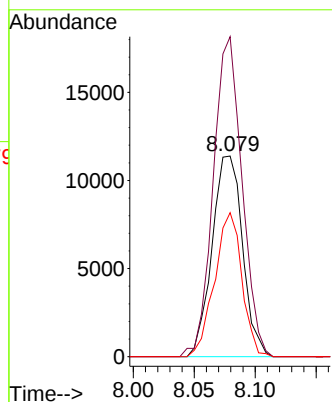
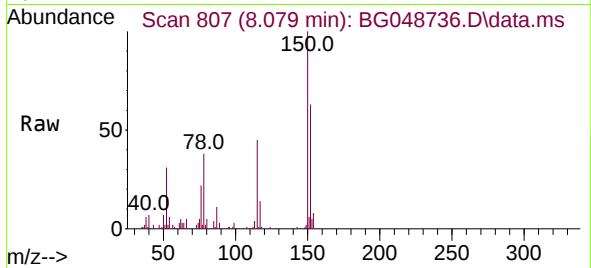




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.079 min Scan# 807  
Delta R.T. -0.001 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

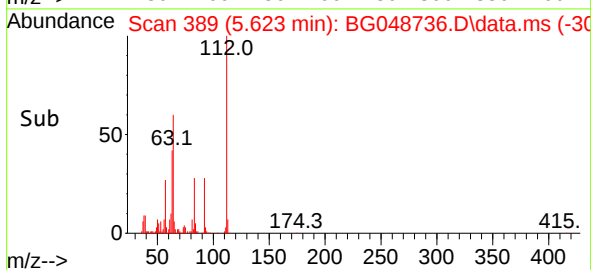
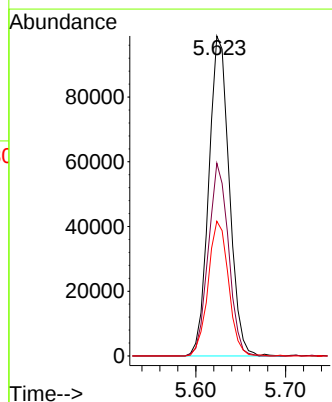
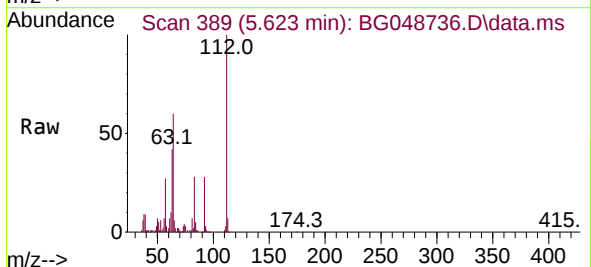
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

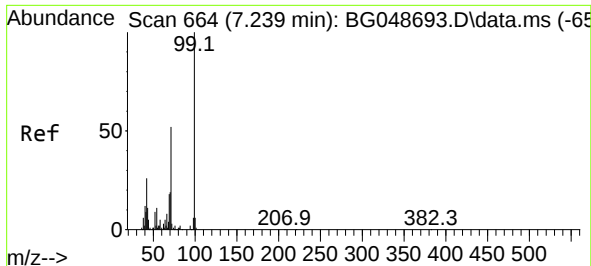
Tgt Ion:152 Resp: 19817  
Ion Ratio Lower Upper  
152 100  
150 159.5 119.4 179.0  
115 71.8 60.2 90.4



#5  
2-Fluorophenol  
Concen: 132.10 ng  
RT: 5.623 min Scan# 389  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

Tgt Ion:112 Resp: 156517  
Ion Ratio Lower Upper  
112 100  
64 60.3 46.7 70.1  
63 42.1 35.3 52.9

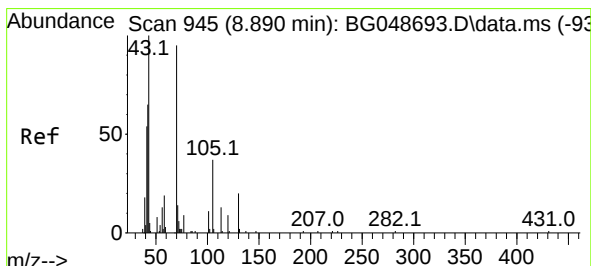
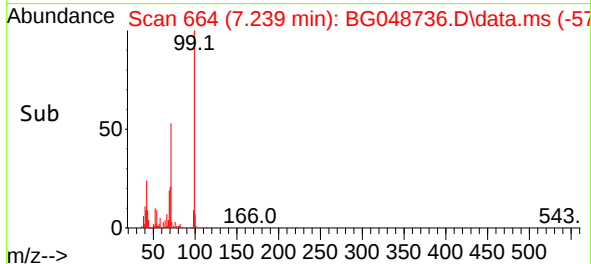
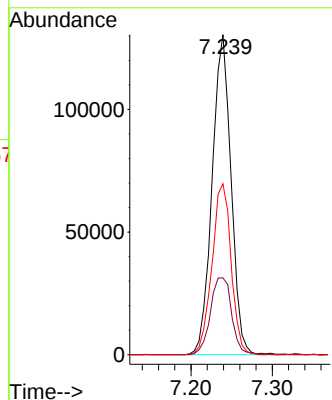
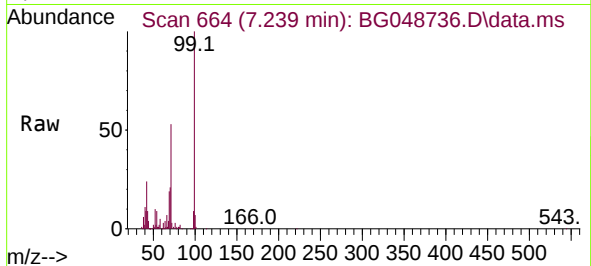




#7  
Phenol-d6  
Concen: 125.91 ng  
RT: 7.239 min Scan# 664  
Delta R.T. -0.001 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

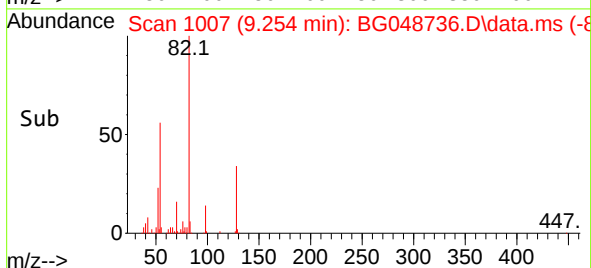
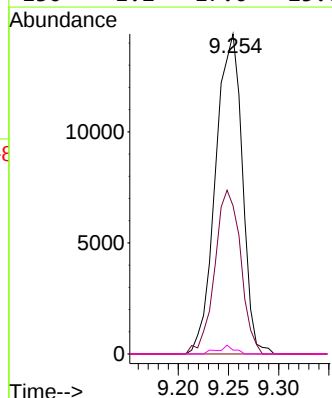
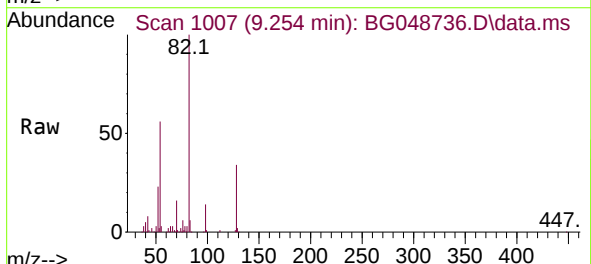
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

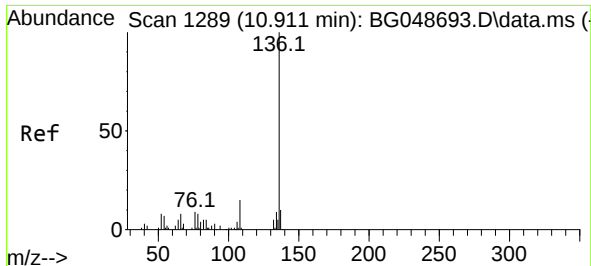
Tgt Ion: 99 Resp: 211022  
Ion Ratio Lower Upper  
99 100  
42 24.0 20.5 30.7  
71 53.4 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 23.57 ng  
RT: 9.254 min Scan# 1007  
Delta R.T. 0.364 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

Tgt Ion: 70 Resp: 26647  
Ion Ratio Lower Upper  
70 100  
42 46.3 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.2 17.0 25.6#

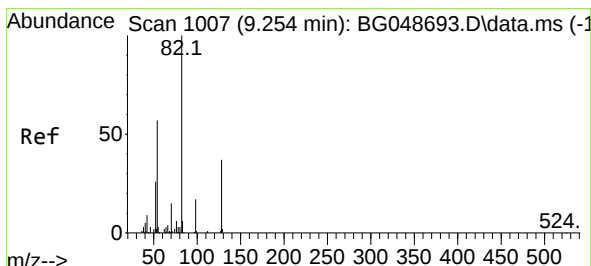
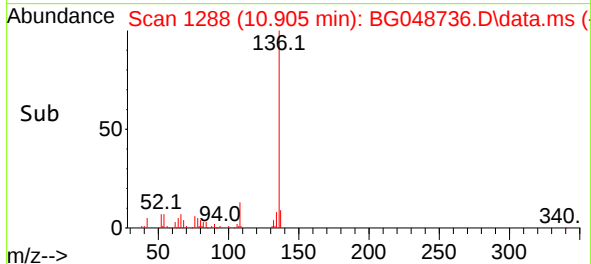
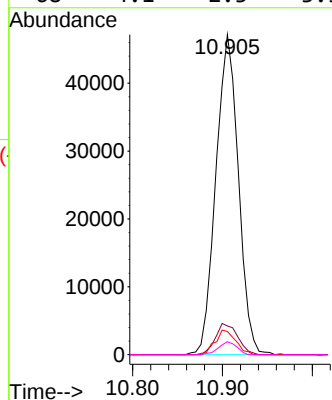
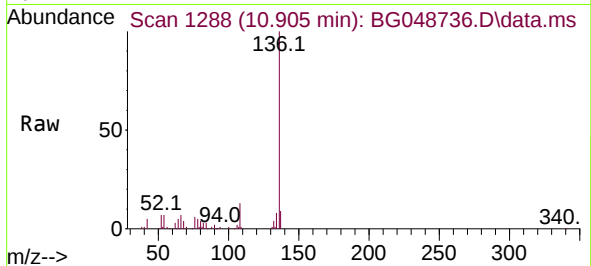




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.905 min Scan# 1288  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

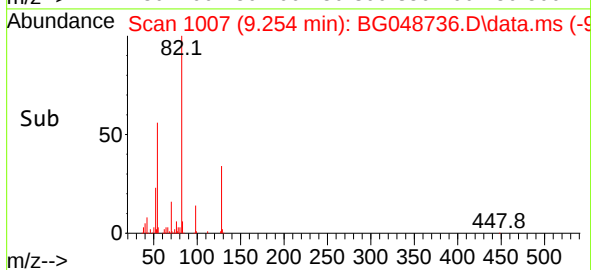
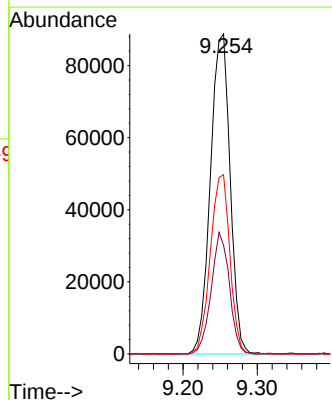
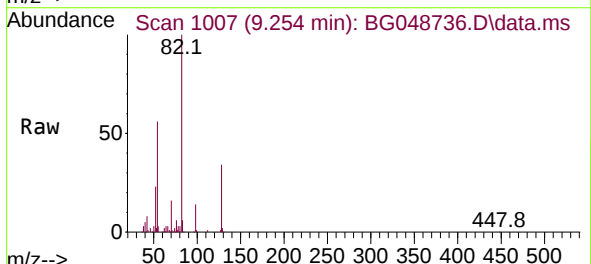
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

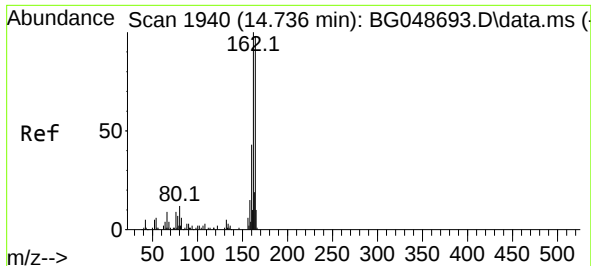
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 82042 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 9.0   | 8.2   | 12.2  |
| 54        | 7.2   | 5.5   | 8.3   |
| 68        | 4.1   | 2.3   | 3.5#  |



#23  
Nitrobenzene-d5  
Concen: 89.36 ng  
RT: 9.254 min Scan# 1007  
Delta R.T. -0.001 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 163749 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.9  | 29.8  | 44.6   |
| 54        | 56.0  | 45.8  | 68.8   |

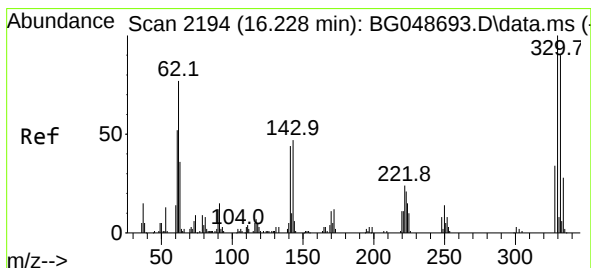
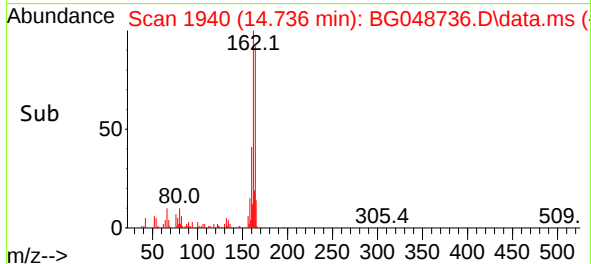
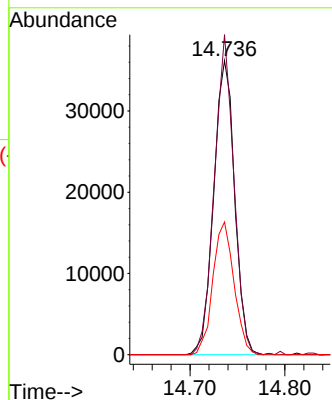
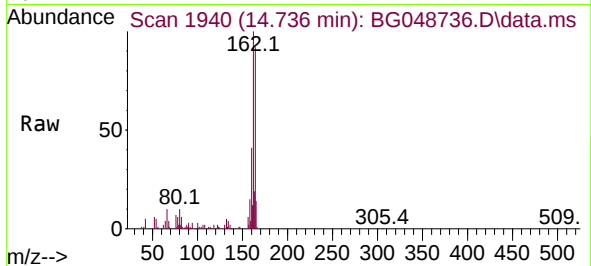




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

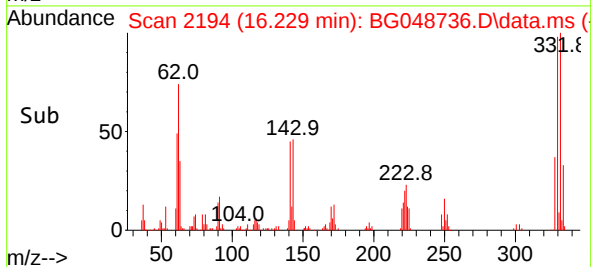
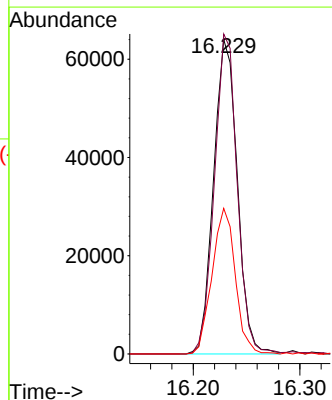
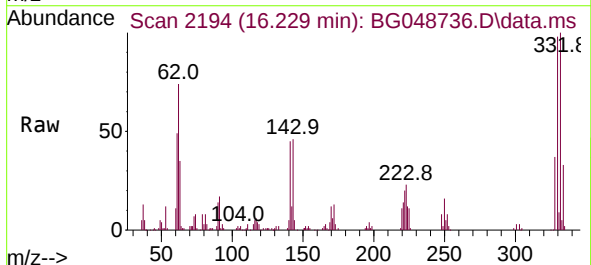
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

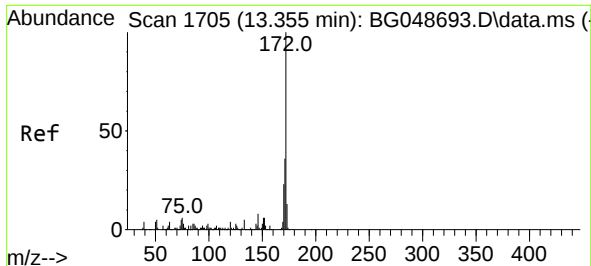
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|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 55609 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 108.8 | 81.4  | 122.0 |
| 160       | 45.1  | 34.9  | 52.3  |



#42  
2,4,6-Tribromophenol  
Concen: 132.24 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 98602 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 97.9  | 77.3  | 115.9 |
| 141       | 45.4  | 35.6  | 53.4  |

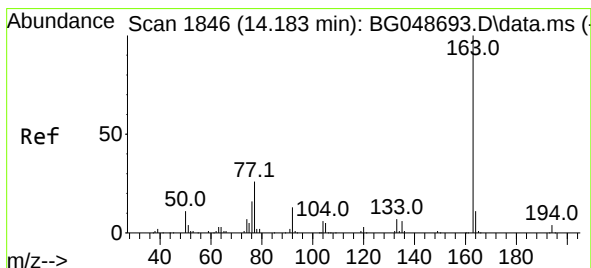
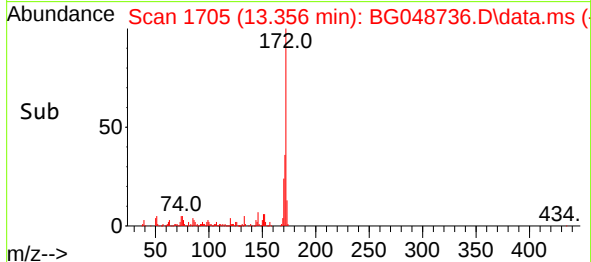
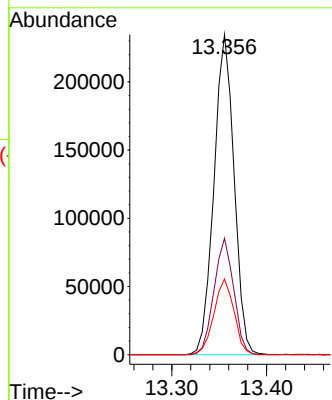
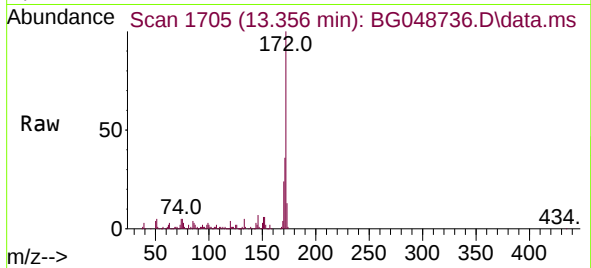




#45  
2-Fluorobiphenyl  
Concen: 89.97 ng  
RT: 13.356 min Scan# 1705  
Delta R.T. -0.001 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

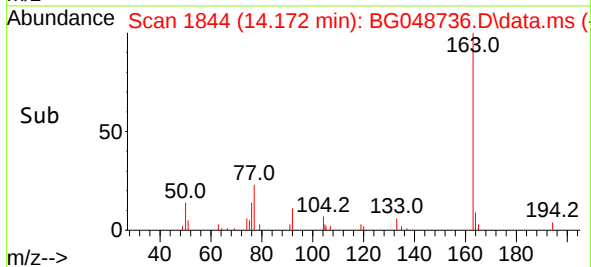
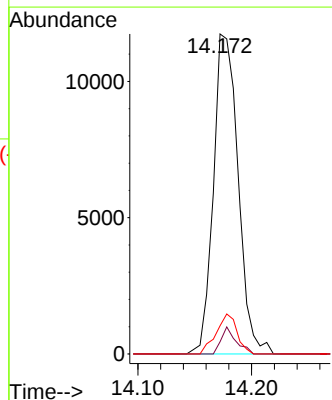
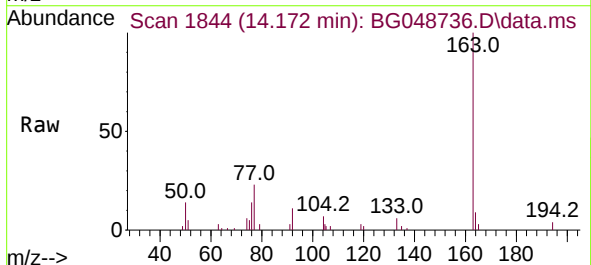
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

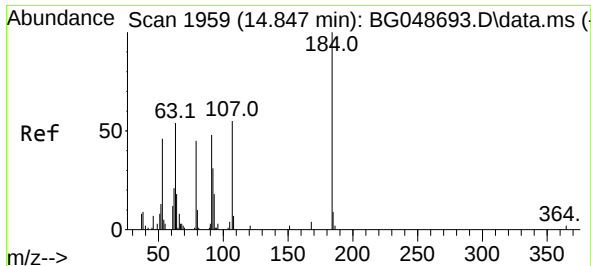
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|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 346434 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.4  | 28.6  | 43.0   |
| 170       | 23.6  | 18.6  | 27.8   |



#50  
Dimethylphthalate  
Concen: 4.25 ng  
RT: 14.172 min Scan# 1844  
Delta R.T. -0.012 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 17710 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 3.8   | 3.0   | 4.6   |
| 164       | 8.8   | 8.6   | 12.8  |

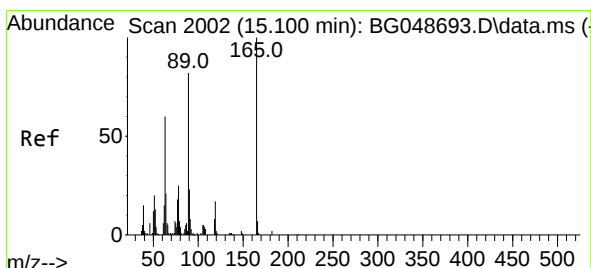
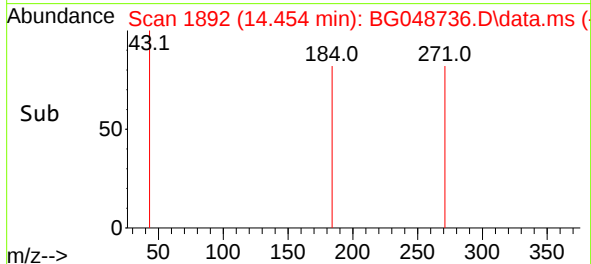
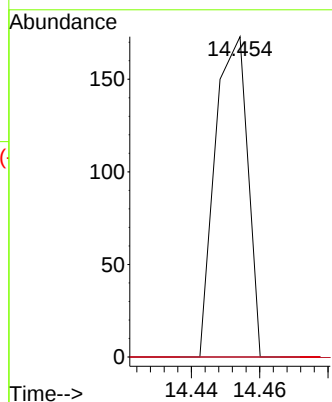
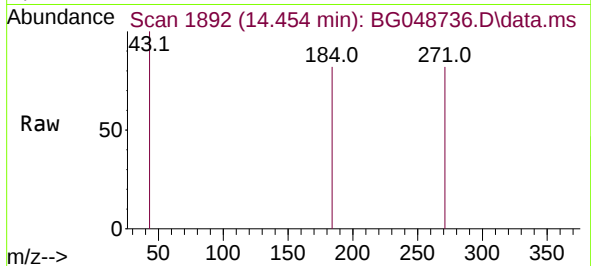




#54  
2,4-Dinitrophenol  
Concen: 5.47 ng  
RT: 14.454 min Scan# 1892  
Delta R.T. -0.400 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

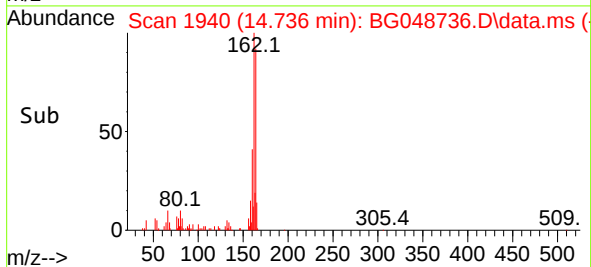
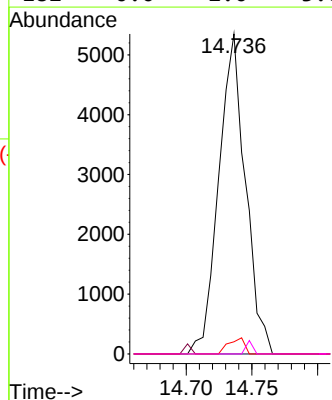
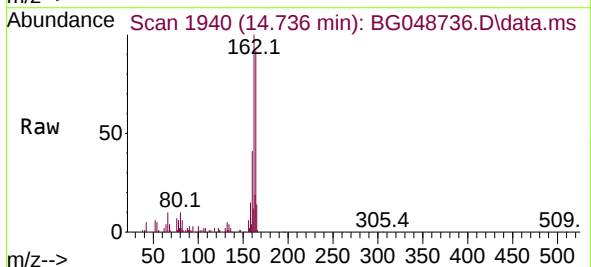
Instrument :  
BNA\_G  
ClientSampled :  
S-2D

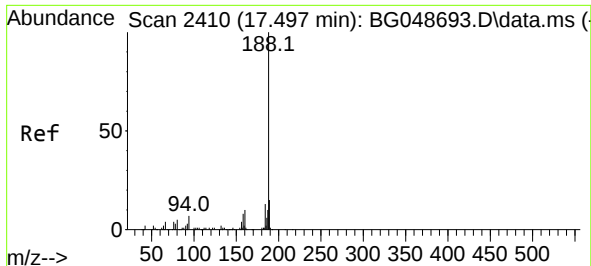
Tgt Ion:184 Resp: 114  
Ion Ratio Lower Upper  
184 100  
63 0.0 68.3 102.5#  
154 0.0 62.6 93.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.40 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.365 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

Tgt Ion:165 Resp: 7544  
Ion Ratio Lower Upper  
165 100  
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89 3.8 65.4 98.0#  
182 0.0 2.0 3.0#

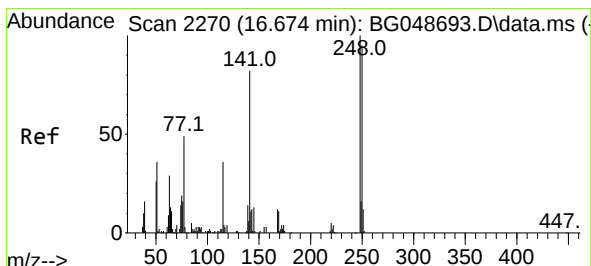
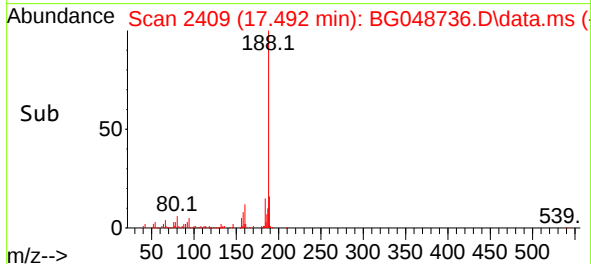
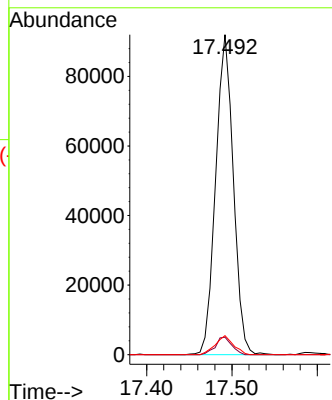
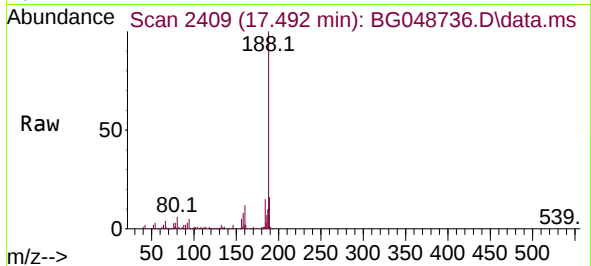




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.492 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

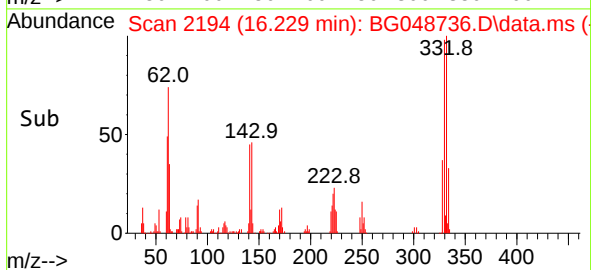
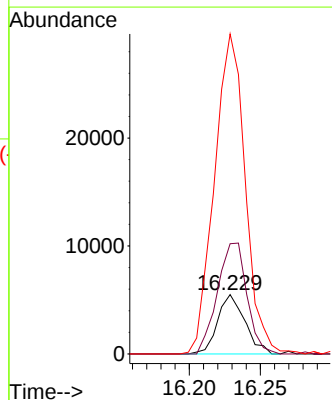
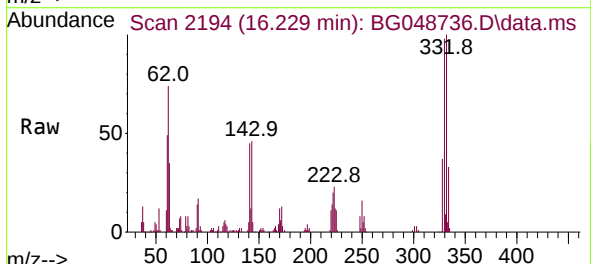
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

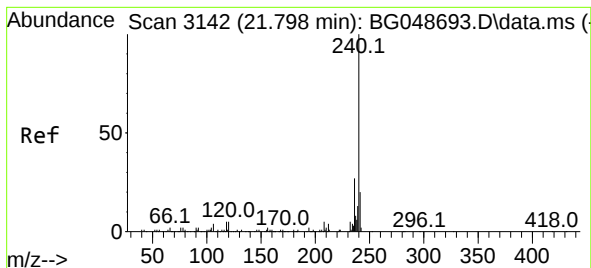
Tgt Ion:188 Resp: 132482  
Ion Ratio Lower Upper  
188 100  
94 5.5 5.4 8.0  
80 6.0 3.7 5.5#



#67  
4-Bromophenyl-phenylether  
Concen: 4.80 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.447 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

Tgt Ion:248 Resp: 7320  
Ion Ratio Lower Upper  
248 100  
250 185.7 76.1 114.1#  
141 538.9 65.4 98.2#

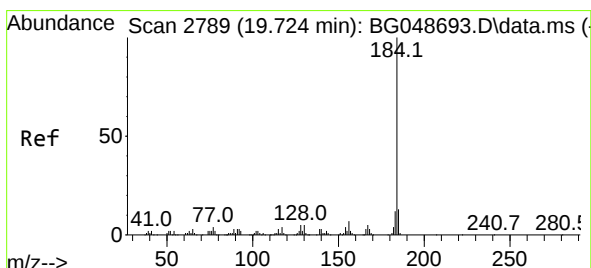
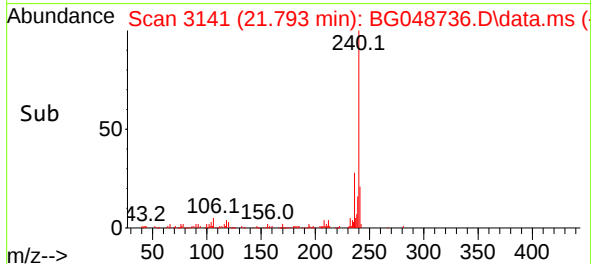
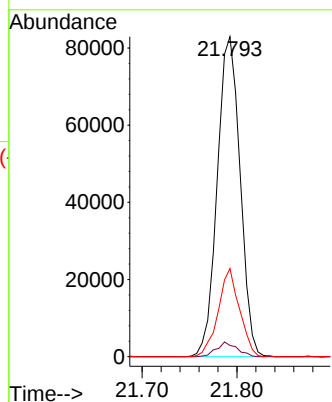
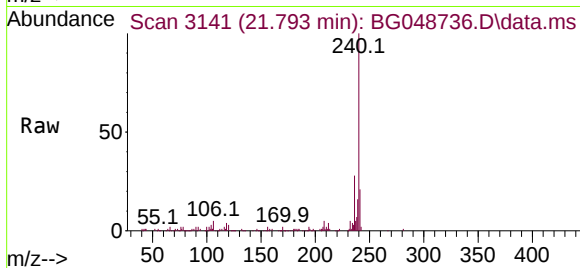




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.793 min Scan# 3141  
Delta R.T. -0.006 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

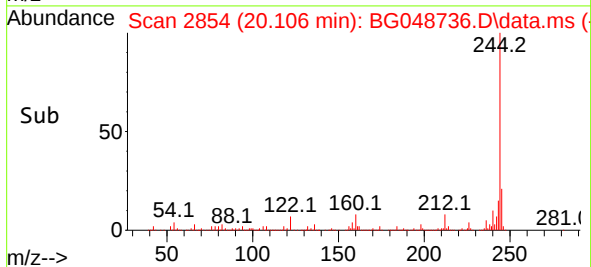
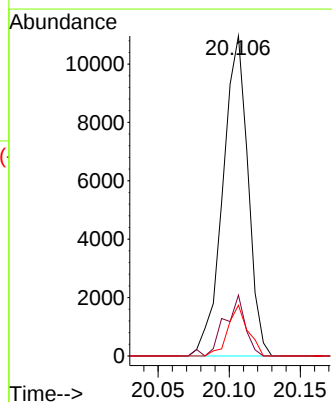
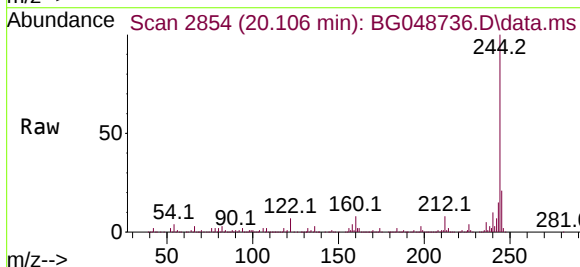
Instrument :  
BNA\_G  
ClientSampleId :  
S-2D

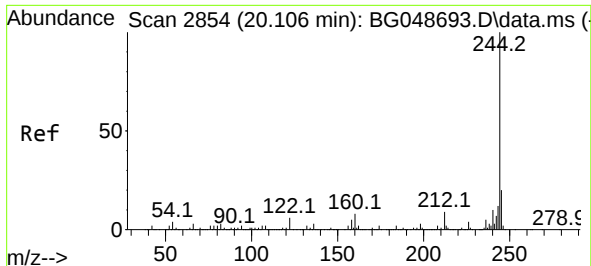
Tgt Ion:240 Resp: 138788  
Ion Ratio Lower Upper  
240 100  
120 3.5 4.2 6.2#  
236 27.6 21.8 32.6



#77  
Benzidine  
Concen: 3.57 ng  
RT: 20.106 min Scan# 2854  
Delta R.T. 0.375 min  
Lab File: BG048736.D  
Acq: 16 Apr 2021 22:49

Tgt Ion:184 Resp: 13460  
Ion Ratio Lower Upper  
184 100  
185 19.0 10.7 16.1#  
183 15.8 9.4 14.0#

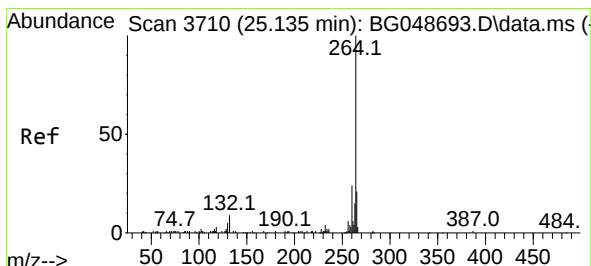
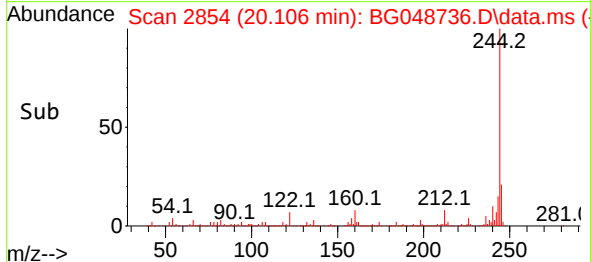
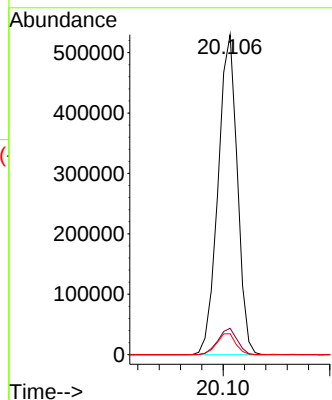
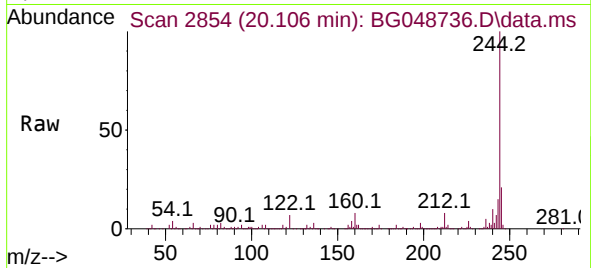




#79  
 Terphenyl-d14  
 Concen: 82.05 ng  
 RT: 20.106 min Scan# 2854  
 Delta R.T. -0.001 min  
 Lab File: BG048736.D  
 Acq: 16 Apr 2021 22:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-2D

Tgt Ion:244 Resp: 661650  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.9 10.3  
 122 6.6 5.0 7.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.130 min Scan# 3709  
 Delta R.T. -0.012 min  
 Lab File: BG048736.D  
 Acq: 16 Apr 2021 22:49

Tgt Ion:264 Resp: 137985  
 Ion Ratio Lower Upper  
 264 100  
 260 22.4 19.4 29.2  
 265 20.6 16.9 25.3

