

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012721\  
 Data File : BG048046.D  
 Acq On : 28 Jan 2021 3:01  
 Operator : CG/JU  
 Sample : M1226-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0050-044-COMP-D-ELUTRIATE

Quant Time: Jan 28 03:58:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 25 19:39:42 2021  
 Response via : Initial Calibration

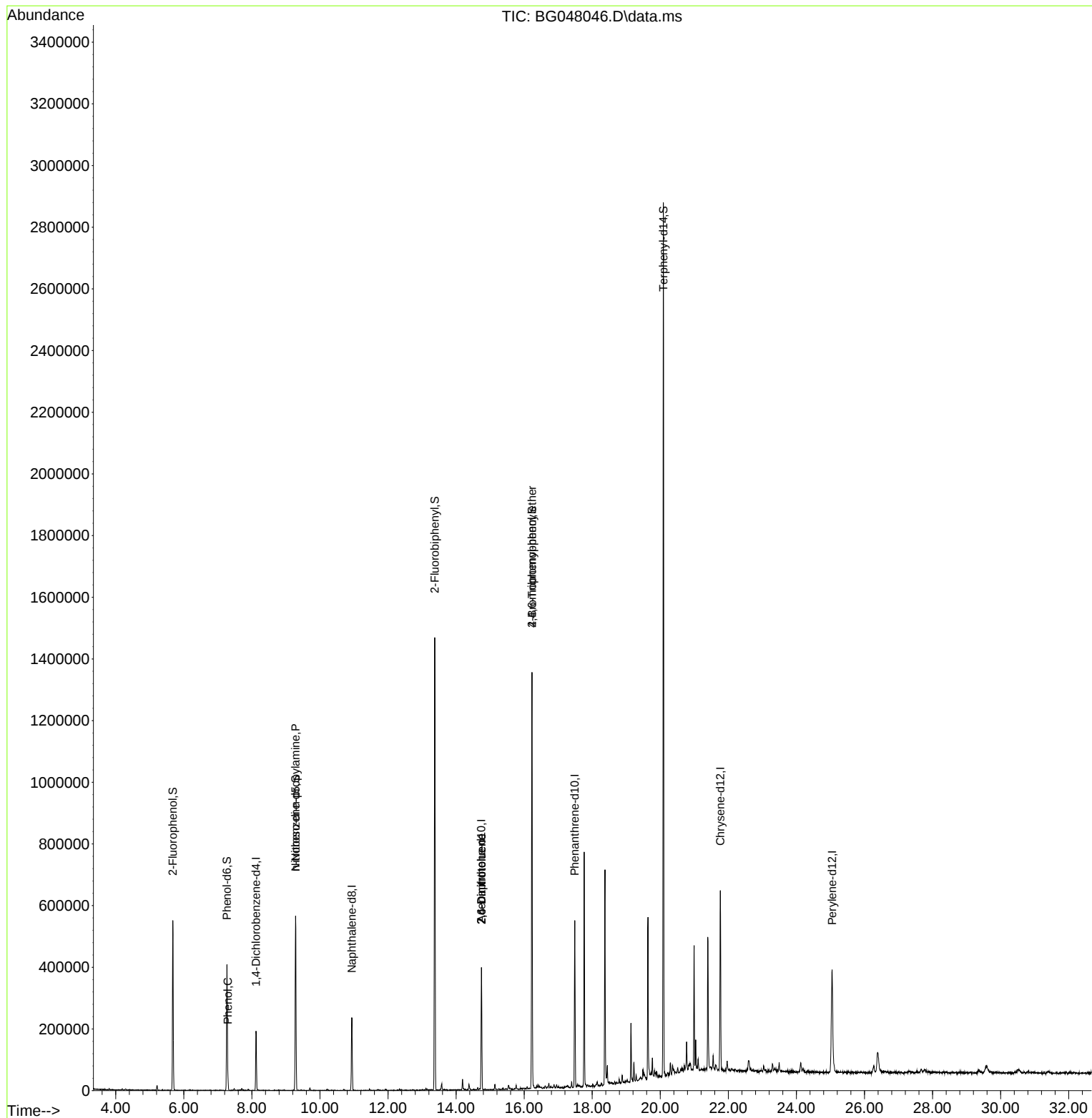
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|--------|-------|-----------|
| -----                         |        |      |          |        |       |           |
| Internal Standards            |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 8.121  | 152  | 51239    | 20.00  | ng    | #-0.01    |
| 21) Naphthalene-d8            | 10.935 | 136  | 197803   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10          | 14.743 | 164  | 139215   | 20.00  | ng    | -0.01     |
| 64) Phenanthrene-d10          | 17.486 | 188  | 335891   | 20.00  | ng    | #-0.01    |
| 76) Chrysene-d12              | 21.764 | 240  | 367036   | 20.00  | ng    | #-0.01    |
| 86) Perylene-d12              | 25.048 | 264  | 369779   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds   |        |      |          |        |       |           |
| 5) 2-Fluorophenol             | 5.677  | 112  | 216913   | 65.06  | ng    | -0.01     |
| 7) Phenol-d6                  | 7.269  | 99   | 215463   | 42.50  | ng    | -0.01     |
| 23) Nitrobenzene-d5           | 9.284  | 82   | 345472   | 69.11  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol      | 16.229 | 330  | 253992   | 109.54 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl          | 13.374 | 172  | 757764   | 70.37  | ng    | -0.01     |
| 79) Terphenyl-d14             | 20.089 | 244  | 1219782  | 57.62  | ng    | 0.00      |
| Target Compounds              |        |      |          |        |       |           |
| 10) Phenol                    | 7.292  | 94   | 18299    | 3.77   | ng    | Qvalue 78 |
| 19) n-Nitroso-di-n-propyla... | 9.284  | 70   | 47797    | 12.92  | ng    | # 74      |
| 51) 2,6-Dinitrotoluene        | 14.748 | 165  | 18713    | 7.14   | ng    | # 35      |
| 57) 2,4-Dinitrotoluene        | 14.748 | 165  | 18713    | 4.95   | ng    | # 33      |
| 67) 4-Bromophenyl-phenylether | 16.229 | 248  | 17483    | 3.90   | ng    | # 1       |
| -----                         |        |      |          |        |       |           |

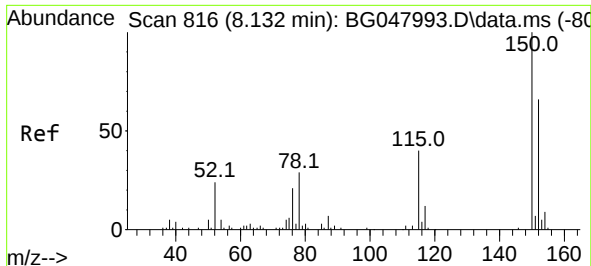
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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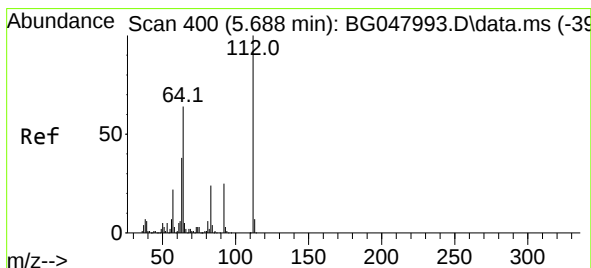
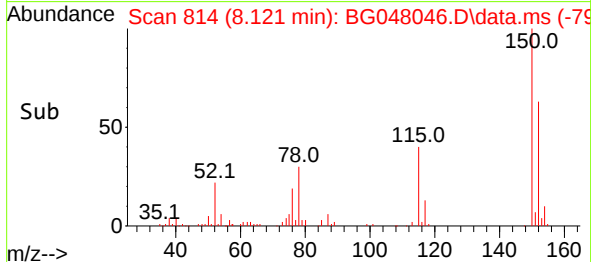
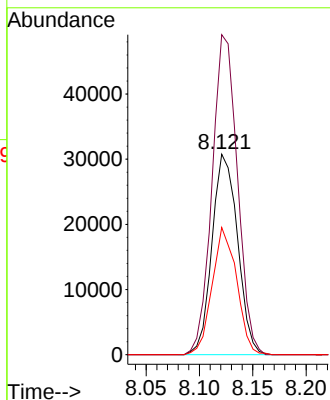
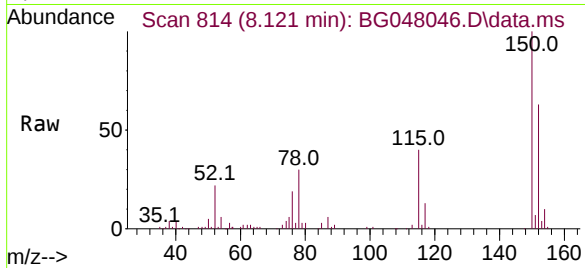




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.121 min Scan# 814  
Delta R.T. -0.011 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

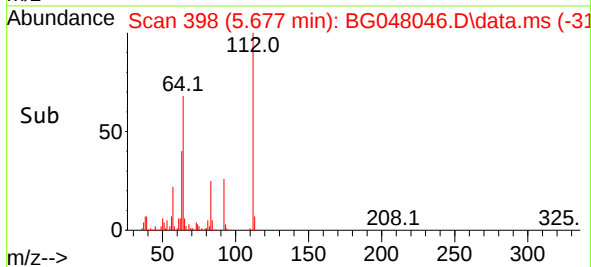
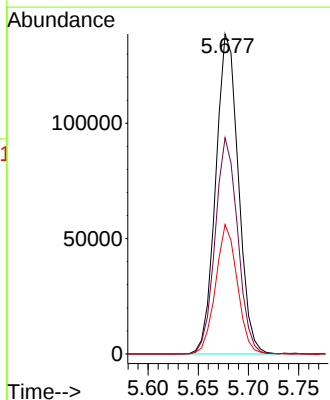
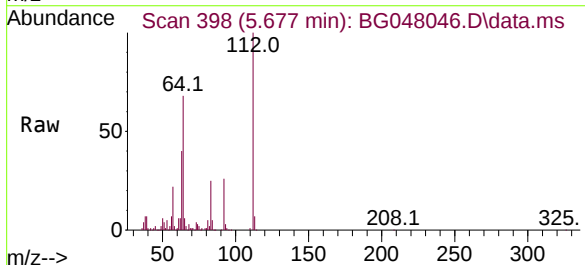
Instrument :  
BNA\_G  
ClientSampleId :  
0050-044-COMP-D-ELUTRIATE

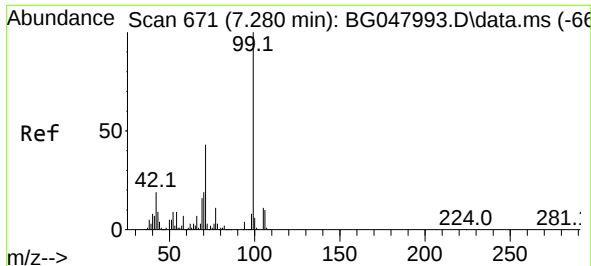
Tgt Ion:152 Resp: 51239  
Ion Ratio Lower Upper  
152 100  
150 159.6 125.0 187.6  
115 63.5 41.8 62.6#



#5  
2-Fluorophenol  
Concen: 65.06 ng  
RT: 5.677 min Scan# 398  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Tgt Ion:112 Resp: 216913  
Ion Ratio Lower Upper  
112 100  
64 67.6 46.7 70.1  
63 40.5 22.8 34.2#

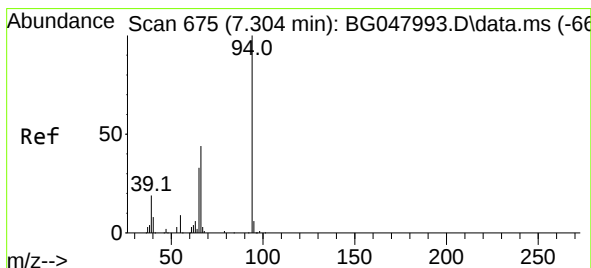
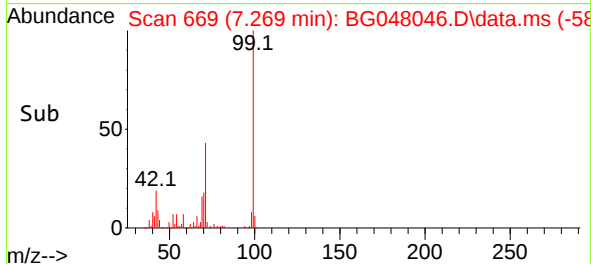
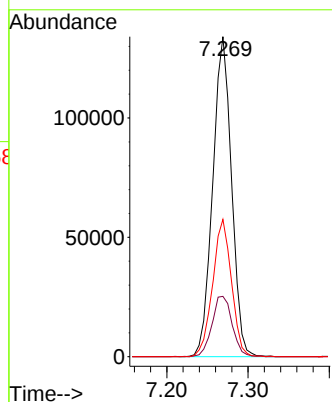
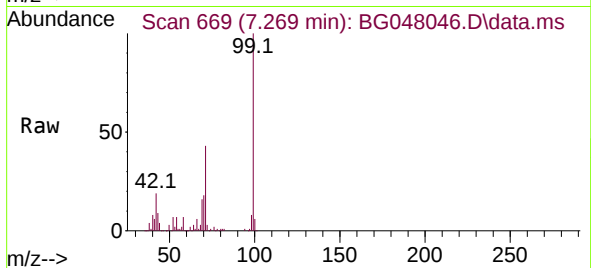




#7  
Phenol-d6  
Concen: 42.50 ng  
RT: 7.269 min Scan# 669  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

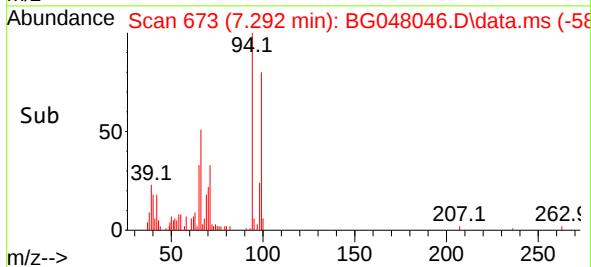
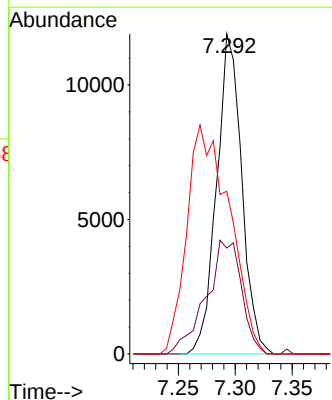
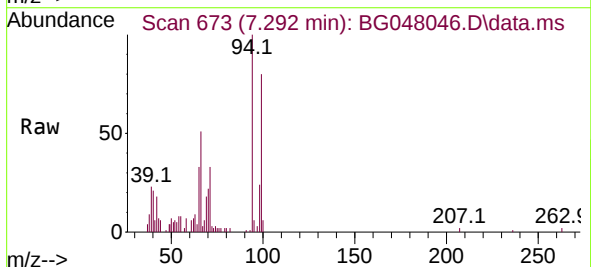
Instrument :  
BNA\_G  
ClientSampleId :  
0050-044-COMP-D-ELUTRIATE

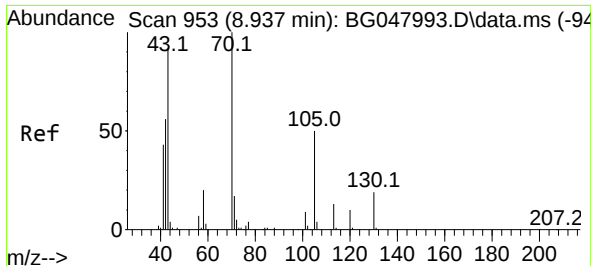
Tgt Ion: 99 Resp: 215463  
Ion Ratio Lower Upper  
99 100  
42 18.8 12.8 19.2  
71 42.9 24.6 36.8#



#10  
Phenol  
Concen: 3.77 ng  
RT: 7.292 min Scan# 673  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

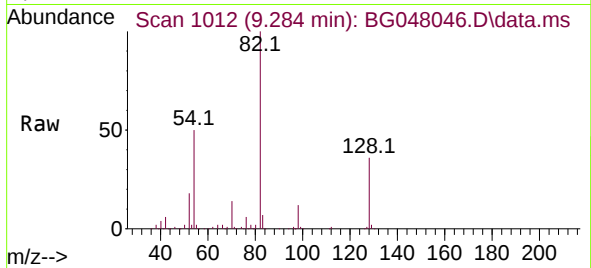
Tgt Ion: 94 Resp: 18299  
Ion Ratio Lower Upper  
94 100  
65 33.1 6.6 46.6  
66 50.8 13.9 53.9



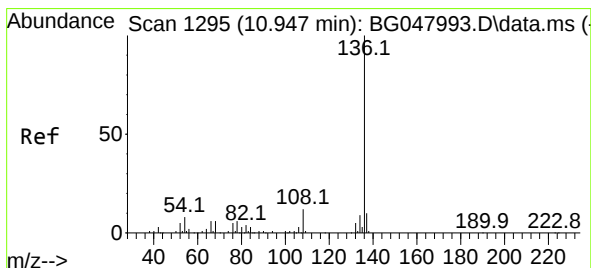
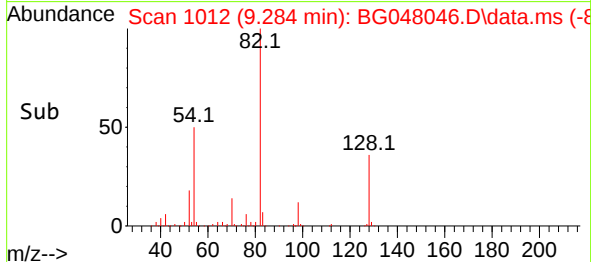
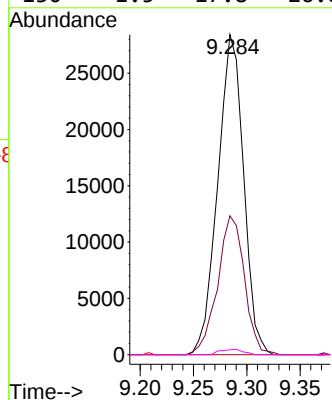


#19  
n-Nitroso-di-n-propylamine  
Concen: 12.92 ng  
RT: 9.284 min Scan# 1012  
Delta R.T. 0.347 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Instrument :  
BNA\_G  
ClientSampleId :  
0050-044-COMP-D-ELUTRIATE

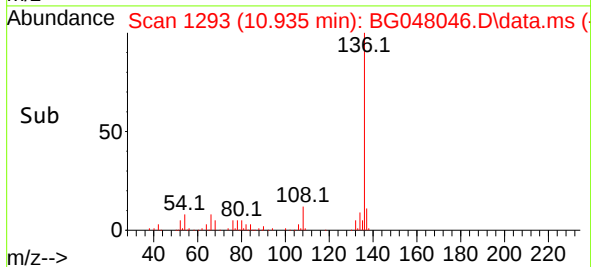
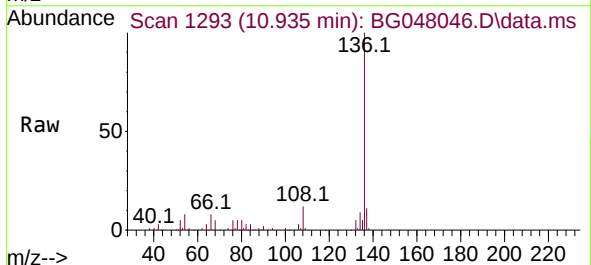
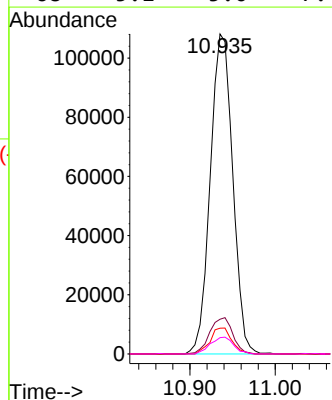


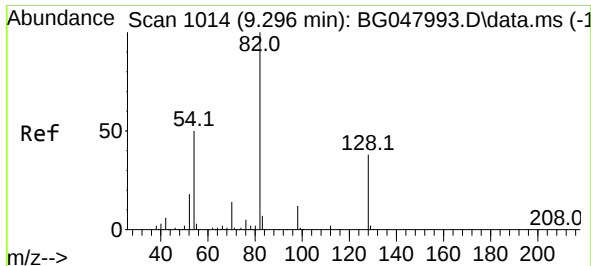
| Tgt Ion:  | 70   | Resp: | 47797 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 70        | 100  |       |       |
| 42        | 43.4 | 45.6  | 68.4# |
| 101       | 0.0  | 8.4   | 12.6# |
| 130       | 1.5  | 17.8  | 26.8# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.935 min Scan# 1293  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

| Tgt Ion:  | 136  | Resp: | 197803 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 136       | 100  |       |        |
| 137       | 10.8 | 9.1   | 13.7   |
| 54        | 8.1  | 6.2   | 9.4    |
| 68        | 5.1  | 5.0   | 7.4    |

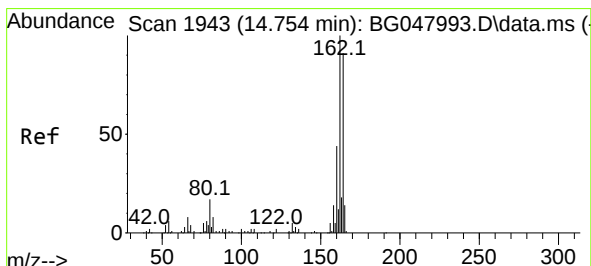
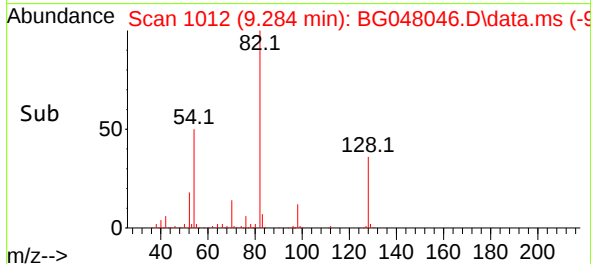
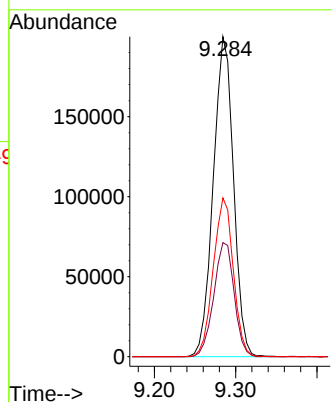
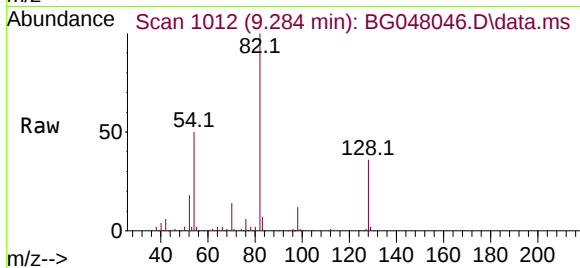




#23  
Nitrobenzene-d5  
Concen: 69.11 ng  
RT: 9.284 min Scan# 1012  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

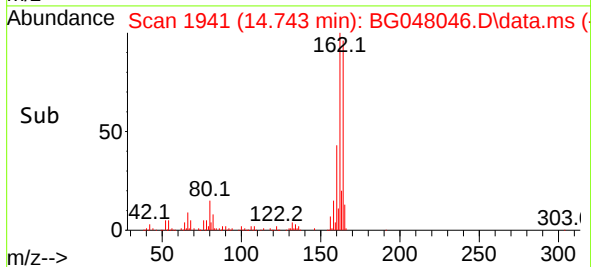
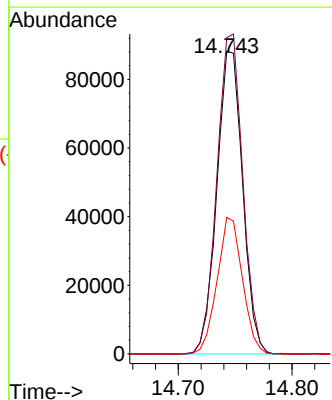
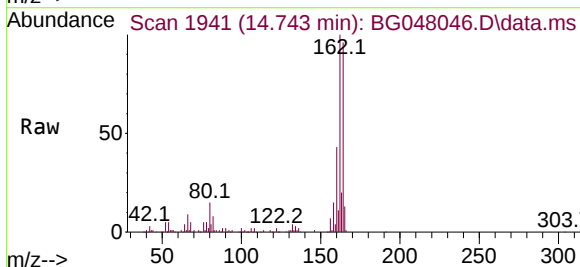
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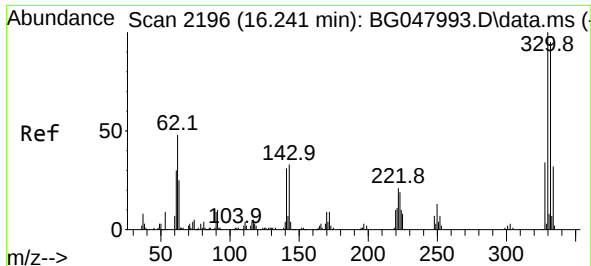
Tgt Ion: 82 Resp: 345472  
Ion Ratio Lower Upper  
82 100  
128 35.6 37.0 55.6#  
54 49.6 39.0 58.4



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.743 min Scan# 1941  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Tgt Ion:164 Resp: 139215  
Ion Ratio Lower Upper  
164 100  
162 104.4 82.3 123.5  
160 45.1 35.3 52.9

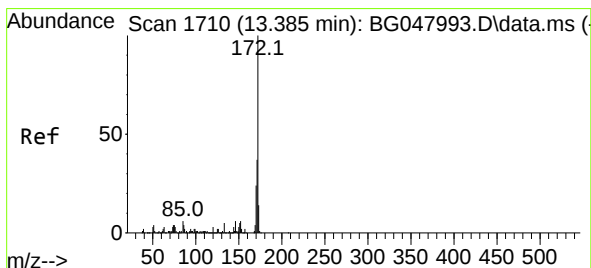
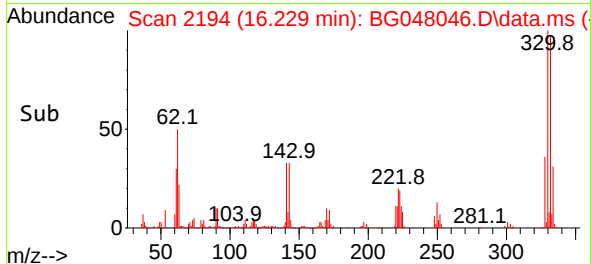
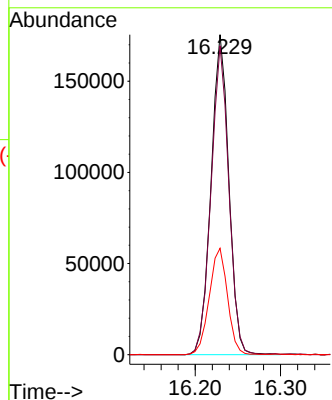
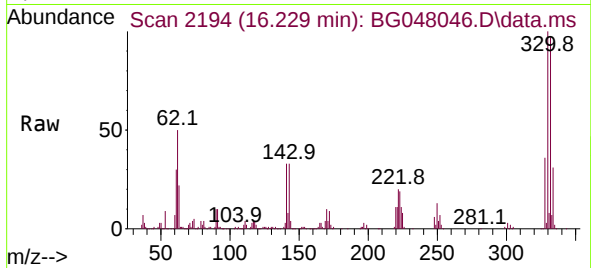




#42  
2,4,6-Tribromophenol  
Concen: 109.54 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

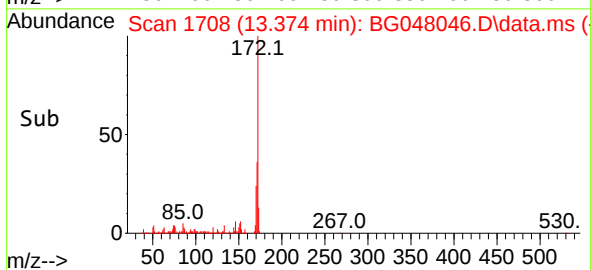
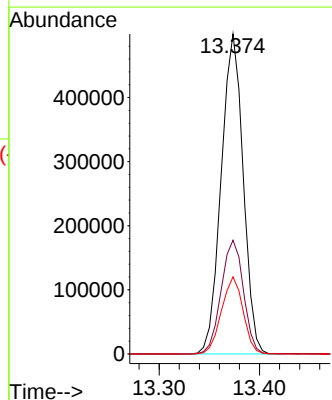
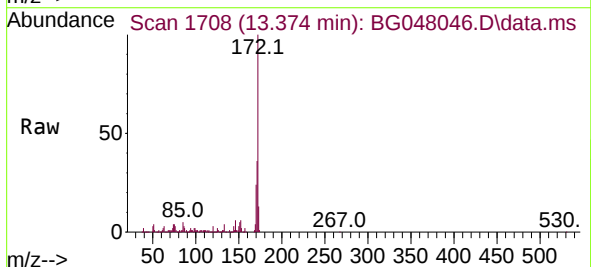
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BNA\_G  
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0050-044-COMP-D-ELUTRIATE

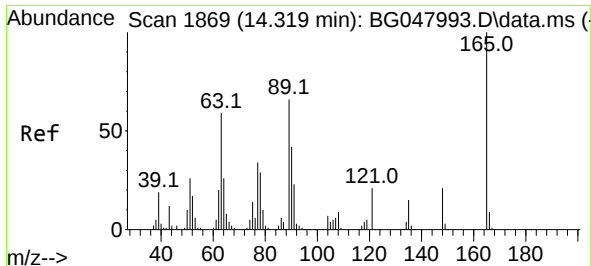
Tgt Ion:330 Resp: 253992  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.5 114.7  
141 34.2 26.0 39.0



#45  
2-Fluorobiphenyl  
Concen: 70.37 ng  
RT: 13.374 min Scan# 1708  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Tgt Ion:172 Resp: 757764  
Ion Ratio Lower Upper  
172 100  
171 35.5 31.3 46.9  
170 24.1 20.8 31.2

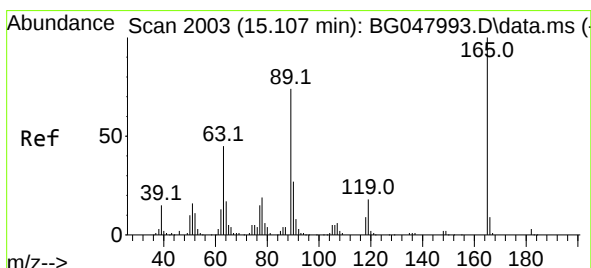
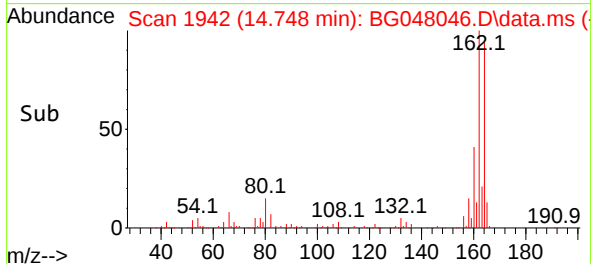
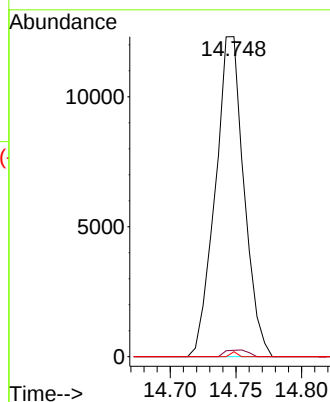
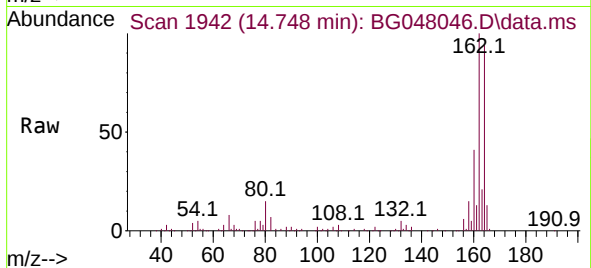




#51  
2,6-Dinitrotoluene  
Concen: 7.14 ng  
RT: 14.748 min Scan# 1942  
Delta R.T. 0.429 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

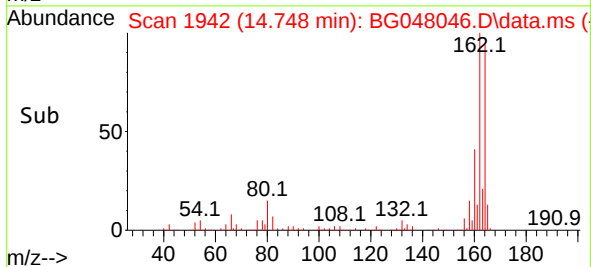
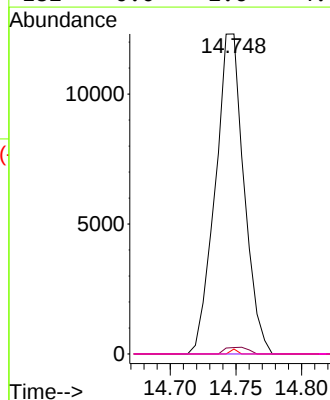
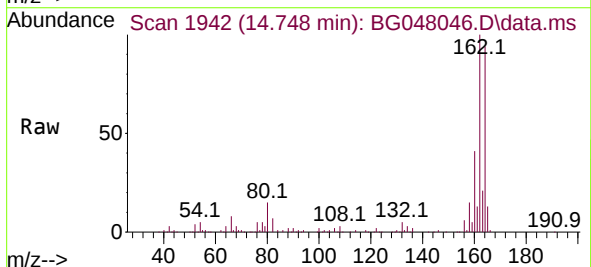
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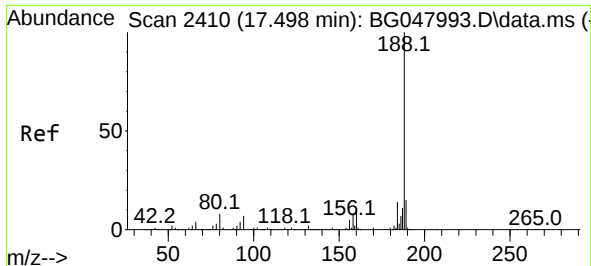
Tgt Ion:165 Resp: 18713  
Ion Ratio Lower Upper  
165 100  
63 2.0 33.7 50.5#  
89 1.6 36.6 54.8#



#57  
2,4-Dinitrotoluene  
Concen: 4.95 ng  
RT: 14.748 min Scan# 1942  
Delta R.T. -0.358 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Tgt Ion:165 Resp: 18713  
Ion Ratio Lower Upper  
165 100  
63 2.0 26.4 39.6#  
89 1.6 47.8 71.8#  
182 0.0 2.6 4.0#

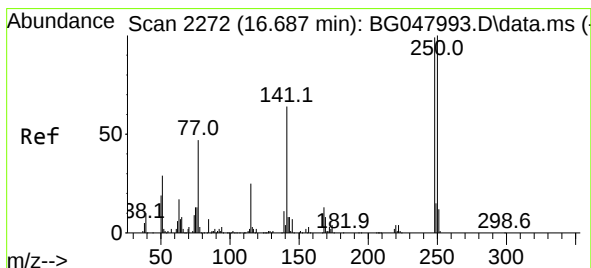
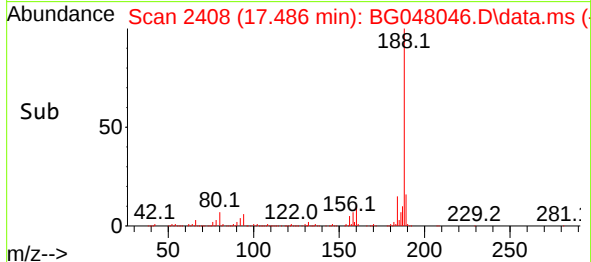
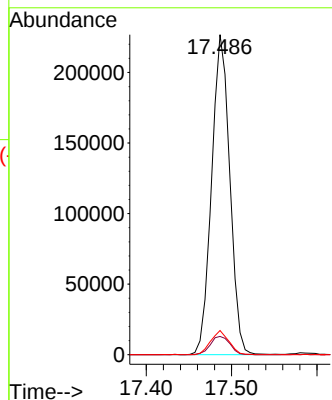
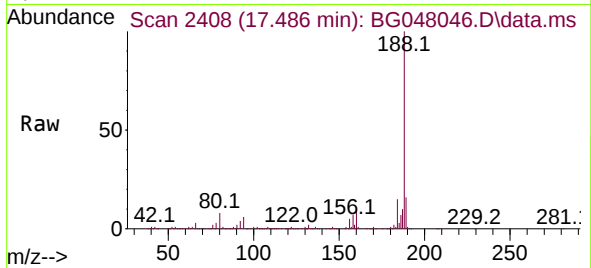




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.486 min Scan# 2408  
Delta R.T. -0.012 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

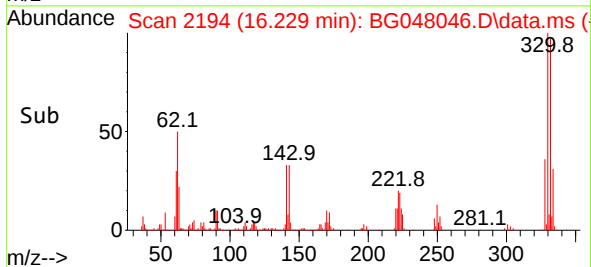
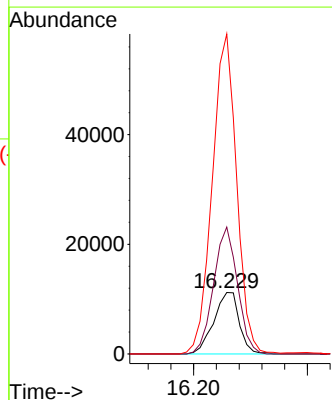
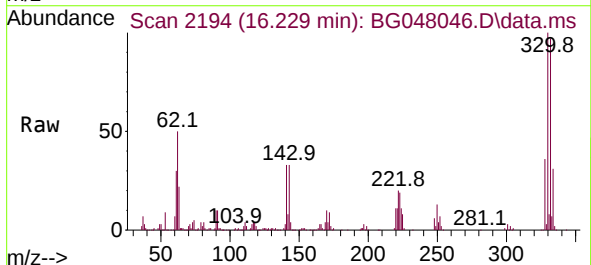
Instrument :  
BNA\_G  
ClientSampleId :  
0050-044-COMP-D-ELUTRIATE

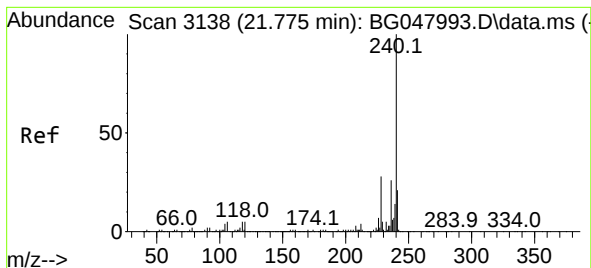
Tgt Ion:188 Resp: 335891  
Ion Ratio Lower Upper  
188 100  
94 5.7 6.3 9.5#  
80 7.5 7.0 10.6



#67  
4-Bromophenyl-phenylether  
Concen: 3.90 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.458 min  
Lab File: BG048046.D  
Acq: 28 Jan 2021 3:01

Tgt Ion:248 Resp: 17483  
Ion Ratio Lower Upper  
248 100  
250 206.8 78.9 118.3#  
141 521.1 46.2 69.4#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.764 min Scan# 3136

Delta R.T. -0.012 min

Lab File: BG048046.D

Acq: 28 Jan 2021 3:01

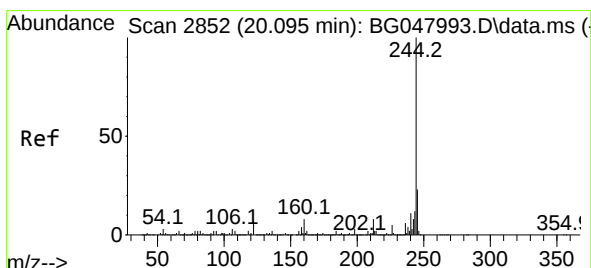
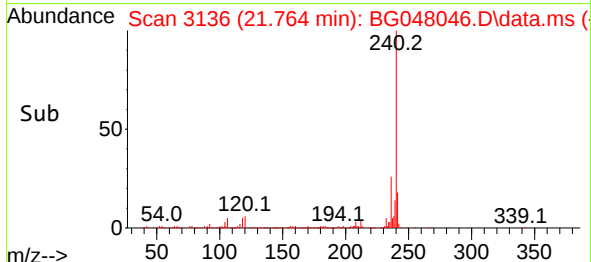
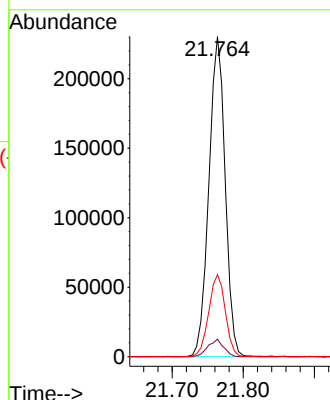
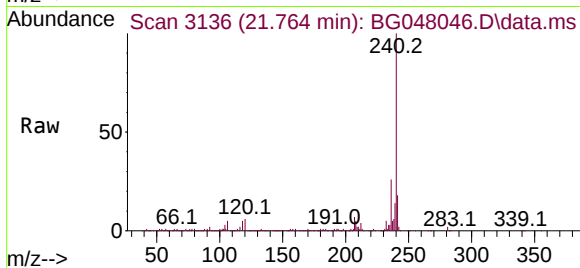
Instrument :

BNA\_G

ClientSampleId :

0050-044-COMP-D-ELUTRIATE

Tgt Ion:240 Resp: 367036  
 Ion Ratio Lower Upper  
 240 100  
 120 5.5 6.2 9.4#  
 236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 57.62 ng

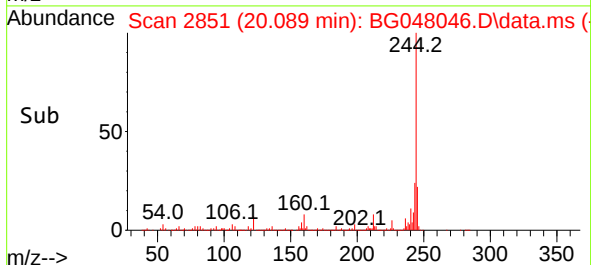
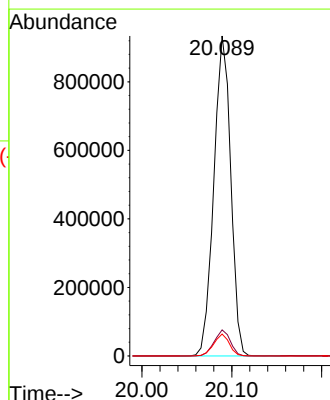
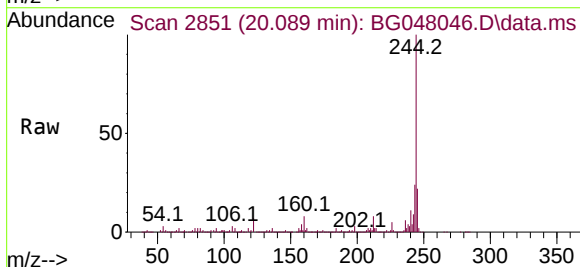
RT: 20.089 min Scan# 2851

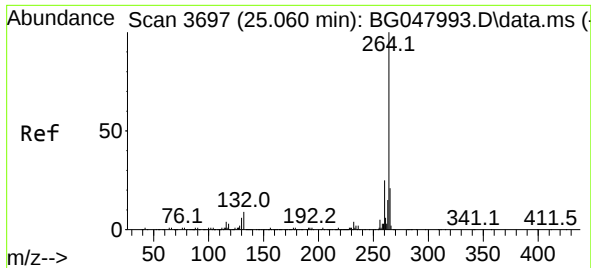
Delta R.T. -0.006 min

Lab File: BG048046.D

Acq: 28 Jan 2021 3:01

Tgt Ion:244 Resp: 1219782  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.7 10.1  
 122 6.9 7.8 11.6#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.048 min Scan# 3695  
 Delta R.T. -0.012 min  
 Lab File: BG048046.D  
 Acq: 28 Jan 2021 3:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0050-044-COMP-D-ELUTRIATE

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 369779    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.8  | 18.8 28.2 |
| 265         | 22.7  | 17.8 26.8 |

