

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020321\  
 Data File : BG048108.D  
 Acq On : 4 Feb 2021 2:20  
 Operator : CG/JU  
 Sample : M1291-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OU421-007-0510

Quant Time: Feb 04 03:02:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 02 15:30:13 2021  
 Response via : Initial Calibration

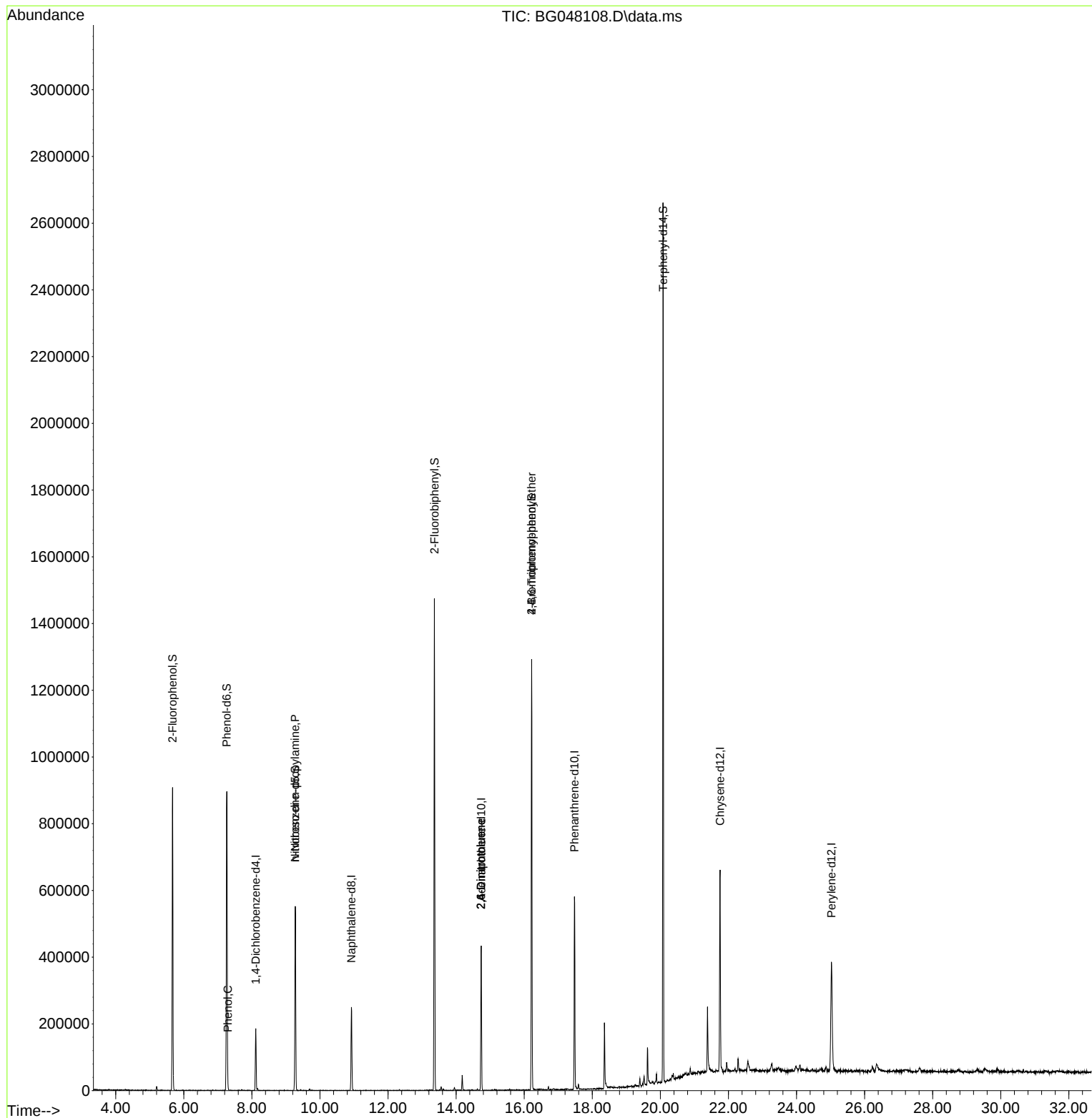
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.116  | 152  | 50428    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.925 | 136  | 201144   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.738 | 164  | 150436   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.476 | 188  | 369739   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.753 | 240  | 369330   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.026 | 264  | 366741   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.672  | 112  | 350966   | 106.96 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.264  | 99   | 489156   | 98.05  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.274  | 82   | 335905   | 66.08  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.218 | 330  | 246971   | 98.57  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.363 | 172  | 746412   | 64.15  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.079 | 244  | 1157125  | 54.32  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 10) Phenol                    | 7.294  | 94   | 13879    | 2.90   | ng    | # 78     |
| 19) n-Nitroso-di-n-propyla... | 9.274  | 70   | 47884    | 13.15  | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.732 | 165  | 19456    | 6.87   | ng    | # 33     |
| 57) 2,4-Dinitrotoluene        | 14.732 | 165  | 19456    | 4.76   | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether | 16.218 | 248  | 16987    | 3.44   | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

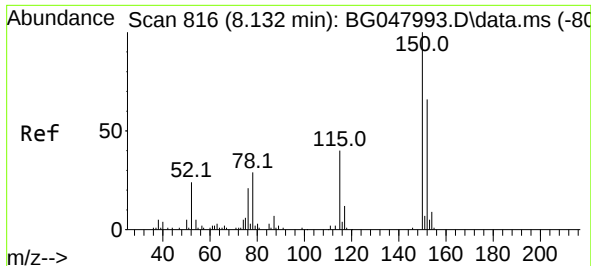
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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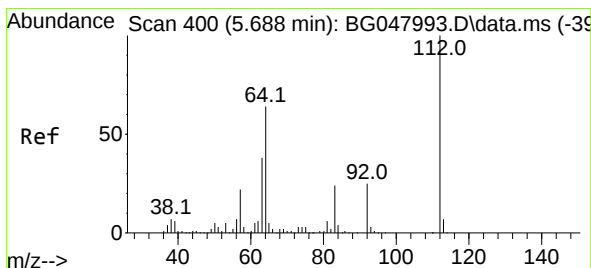
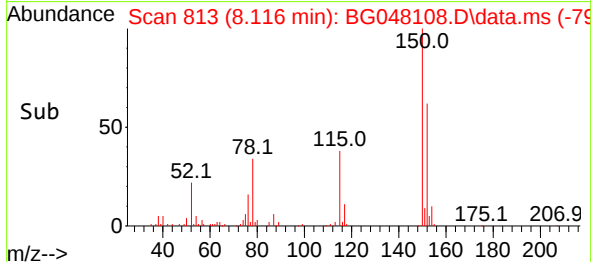
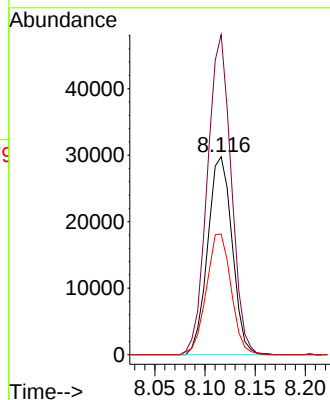
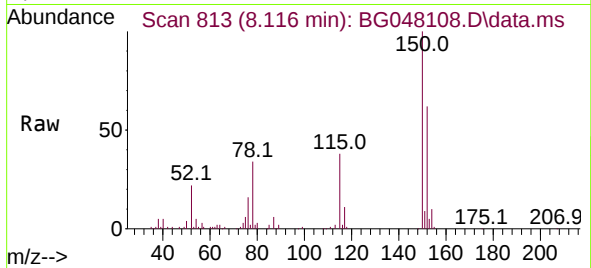




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.116 min Scan# 813  
Delta R.T. -0.004 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

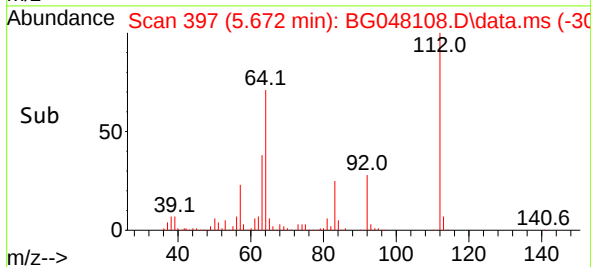
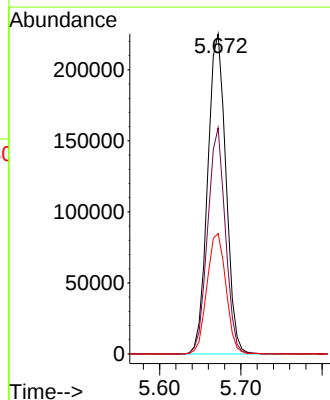
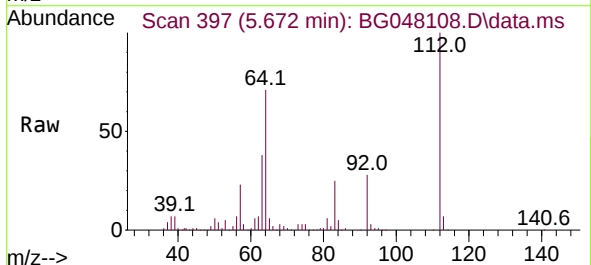
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BNA\_G  
ClientSampleId :  
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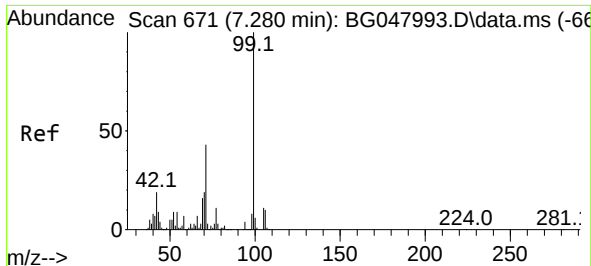
Tgt Ion:152 Resp: 50428  
Ion Ratio Lower Upper  
152 100  
150 161.7 125.0 187.6  
115 61.0 41.8 62.6



#5  
2-Fluorophenol  
Concen: 106.96 ng  
RT: 5.672 min Scan# 397  
Delta R.T. -0.004 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion:112 Resp: 350966  
Ion Ratio Lower Upper  
112 100  
64 70.7 46.7 70.1#  
63 37.7 22.8 34.2#

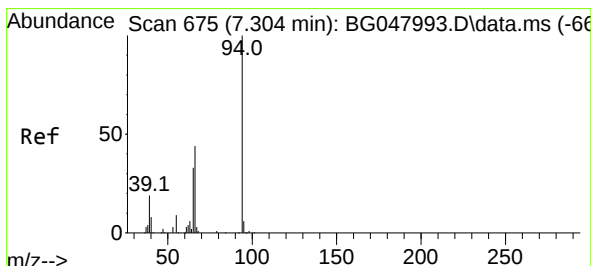
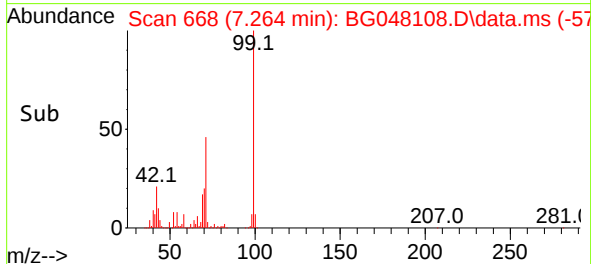
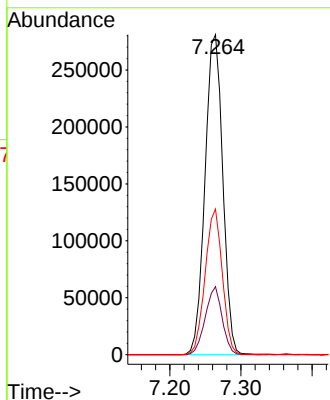
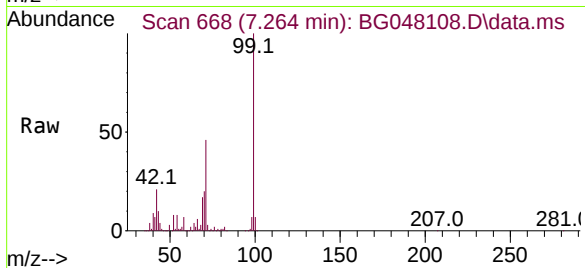




#7  
Phenol-d6  
Concen: 98.05 ng  
RT: 7.264 min Scan# 668  
Delta R.T. -0.003 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

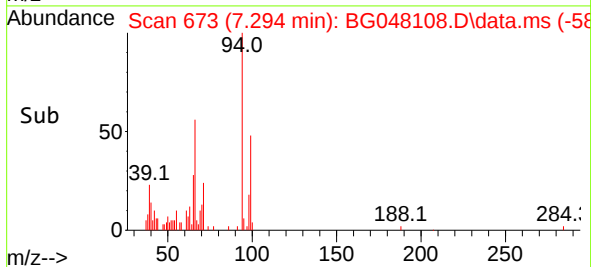
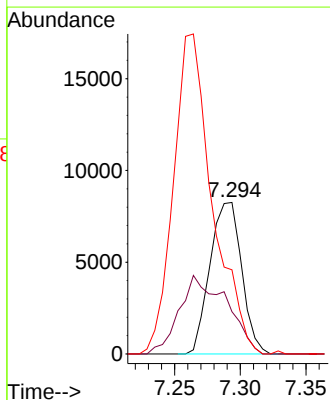
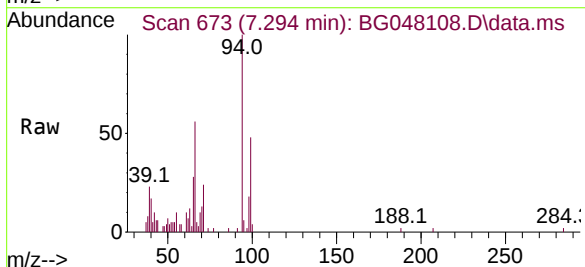
Instrument :  
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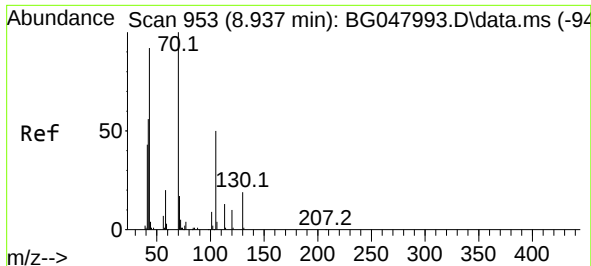
Tgt Ion: 99 Resp: 489156  
Ion Ratio Lower Upper  
99 100  
42 21.2 12.8 19.2#  
71 45.5 24.6 36.8#



#10  
Phenol  
Concen: 2.90 ng  
RT: 7.294 min Scan# 673  
Delta R.T. -0.003 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion: 94 Resp: 13879  
Ion Ratio Lower Upper  
94 100  
65 27.9 6.6 46.6  
66 55.5 13.9 53.9#

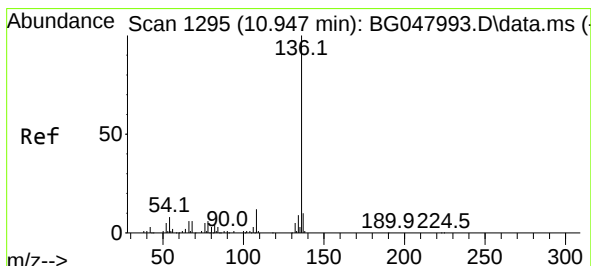
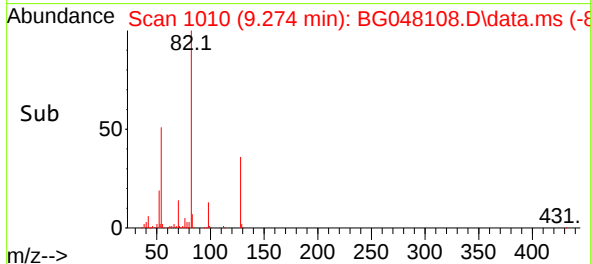
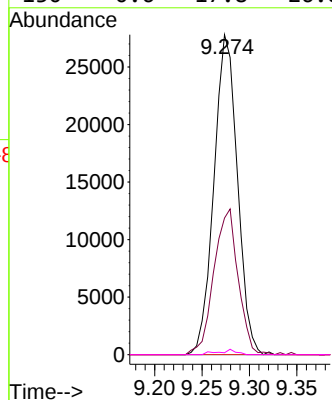
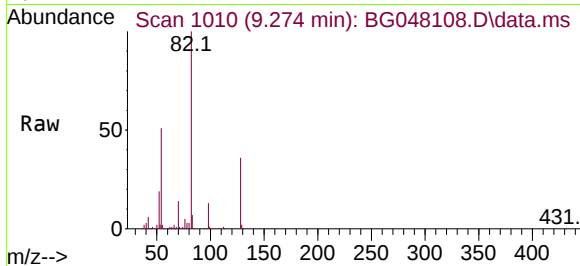




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.15 ng  
RT: 9.274 min Scan# 1010  
Delta R.T. 0.349 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

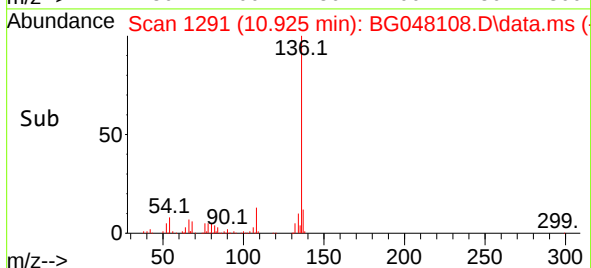
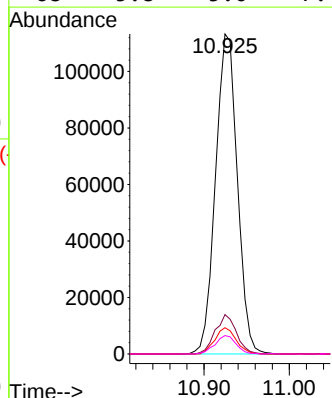
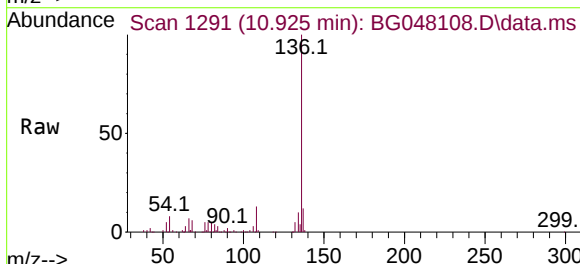
Instrument :  
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ClientSampleId :  
OU421-007-0510

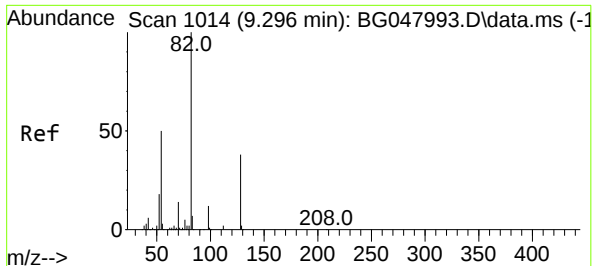
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 70    | Resp: | 47884 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 42.7  | 45.6  | 68.4# |
| 101       | 0.0   | 8.4   | 12.6# |
| 130       | 0.6   | 17.8  | 26.8# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.925 min Scan# 1291  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 201144 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 12.3  | 9.1   | 13.7   |
| 54        | 8.2   | 6.2   | 9.4    |
| 68        | 5.8   | 5.0   | 7.4    |

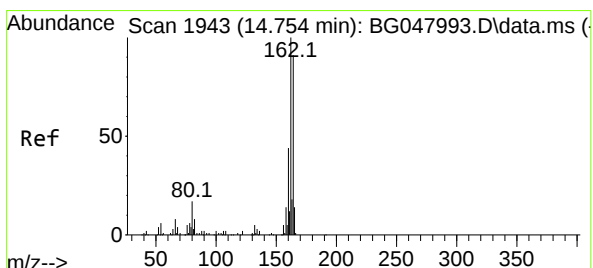
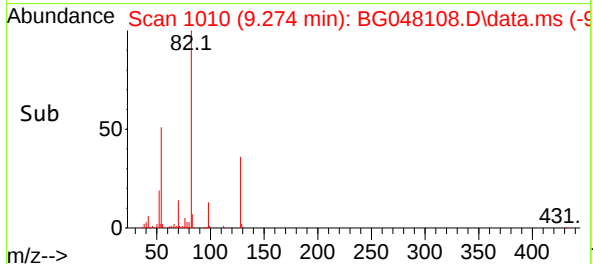
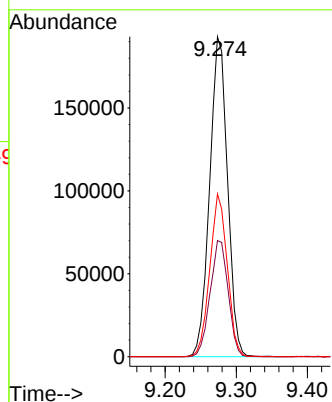
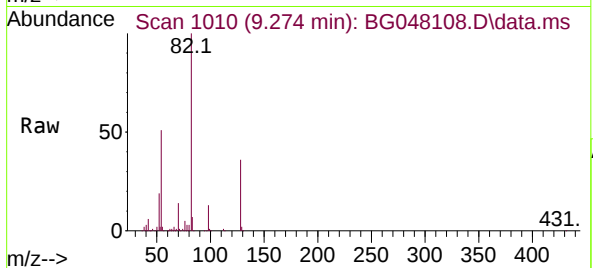




#23  
Nitrobenzene-d5  
Concen: 66.08 ng  
RT: 9.274 min Scan# 1010  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

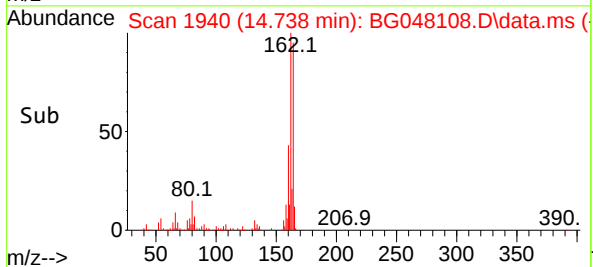
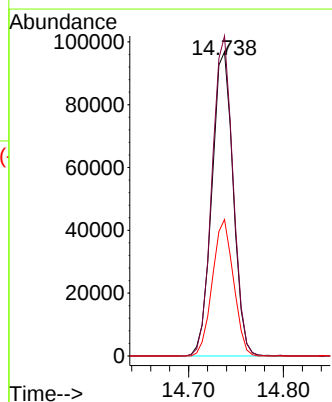
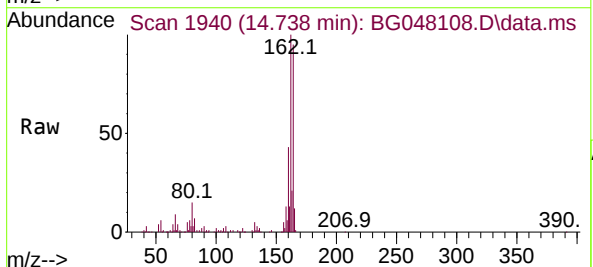
Instrument :  
BNA\_G  
ClientSampleId :  
OU421-007-0510

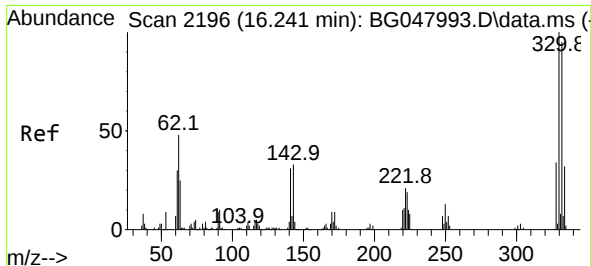
Tgt Ion: 82 Resp: 335905  
Ion Ratio Lower Upper  
82 100  
128 36.3 37.0 55.6#  
54 50.8 39.0 58.4



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.738 min Scan# 1940  
Delta R.T. -0.003 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion:164 Resp: 150436  
Ion Ratio Lower Upper  
164 100  
162 105.2 82.3 123.5  
160 44.9 35.3 52.9

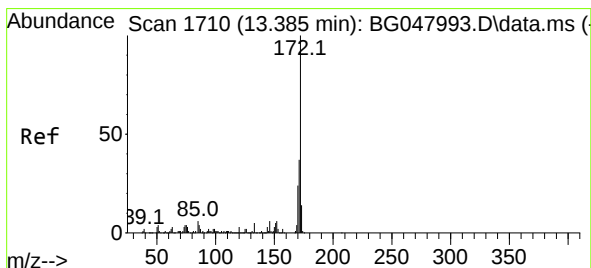
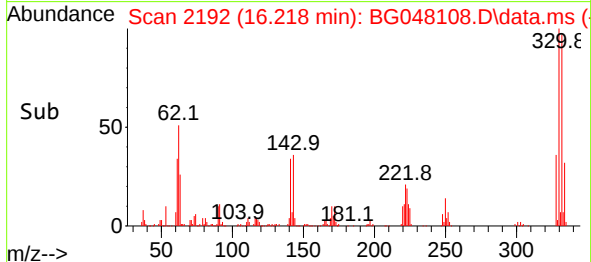
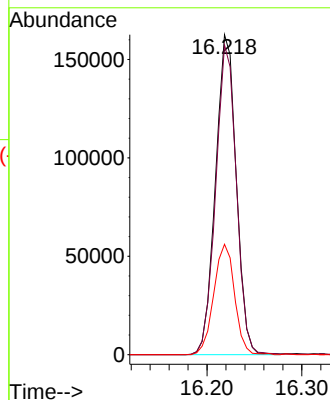
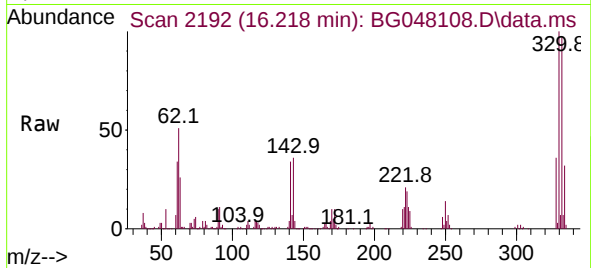




#42  
2,4,6-Tribromophenol  
Concen: 98.57 ng  
RT: 16.218 min Scan# 2192  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

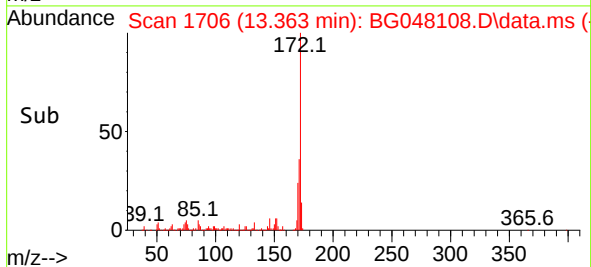
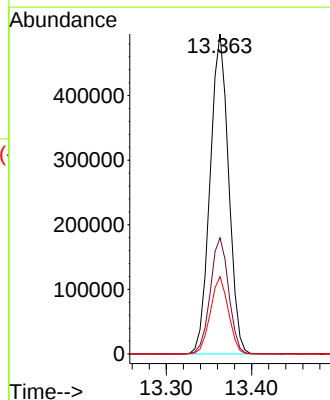
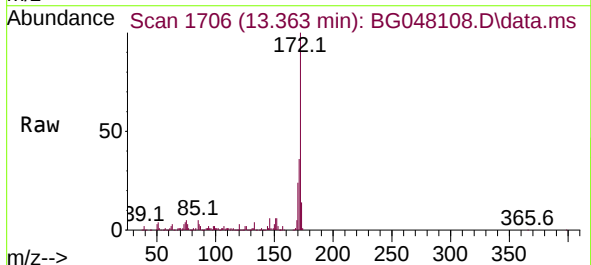
Instrument :  
BNA\_G  
ClientSampleId :  
OU421-007-0510

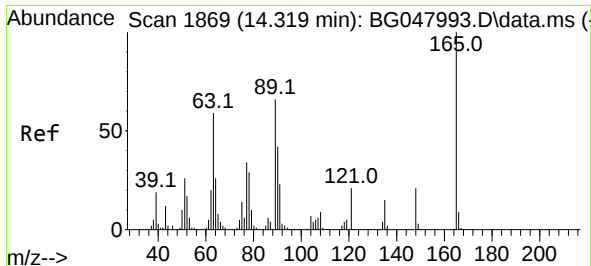
Tgt Ion:330 Resp: 246971  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.5 114.7  
141 34.6 26.0 39.0



#45  
2-Fluorobiphenyl  
Concen: 64.15 ng  
RT: 13.363 min Scan# 1706  
Delta R.T. -0.003 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion:172 Resp: 746412  
Ion Ratio Lower Upper  
172 100  
171 36.3 31.3 46.9  
170 24.1 20.8 31.2

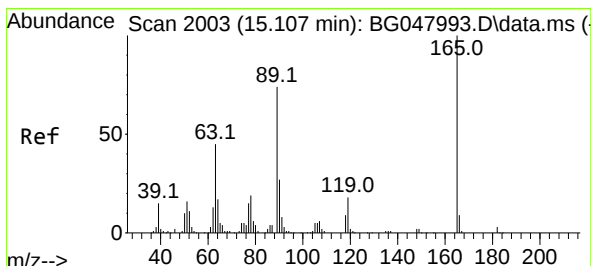
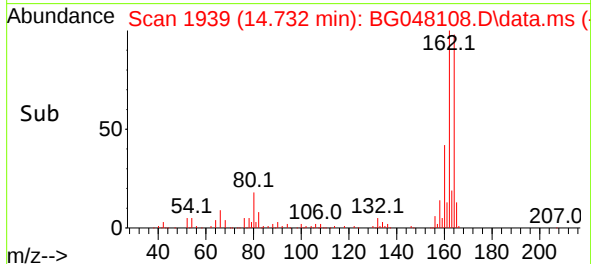
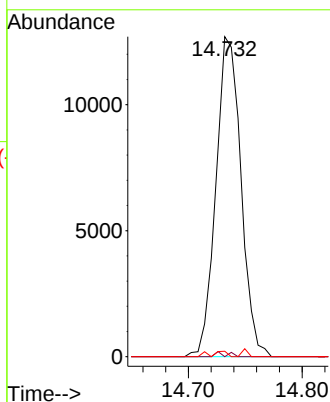
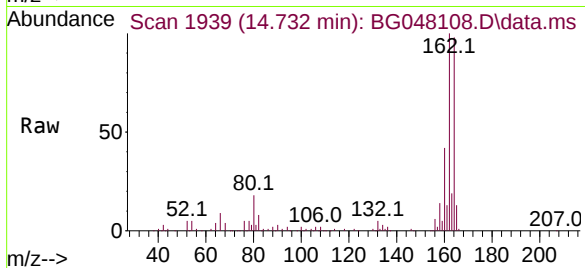




#51  
2,6-Dinitrotoluene  
Concen: 6.87 ng  
RT: 14.732 min Scan# 1939  
Delta R.T. 0.425 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

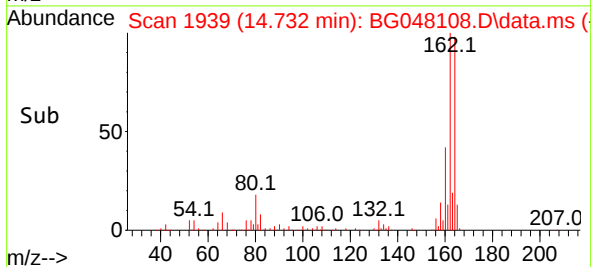
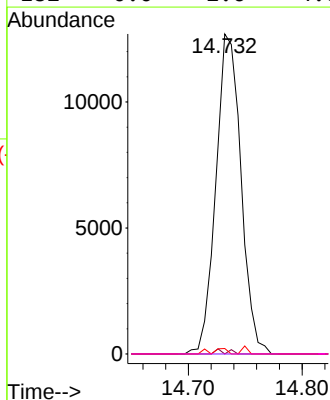
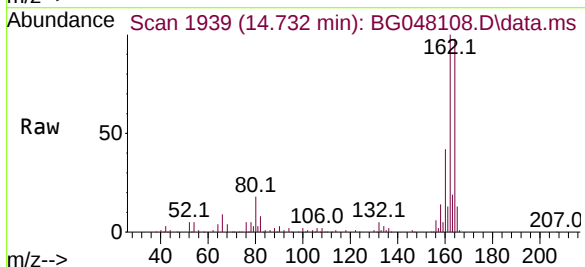
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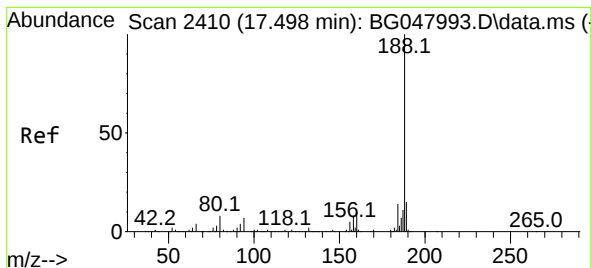
Tgt Ion:165 Resp: 19456  
Ion Ratio Lower Upper  
165 100  
63 0.0 33.7 50.5#  
89 1.7 36.6 54.8#



#57  
2,4-Dinitrotoluene  
Concen: 4.76 ng  
RT: 14.732 min Scan# 1939  
Delta R.T. -0.362 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion:165 Resp: 19456  
Ion Ratio Lower Upper  
165 100  
63 0.0 26.4 39.6#  
89 1.7 47.8 71.8#  
182 0.0 2.6 4.0#

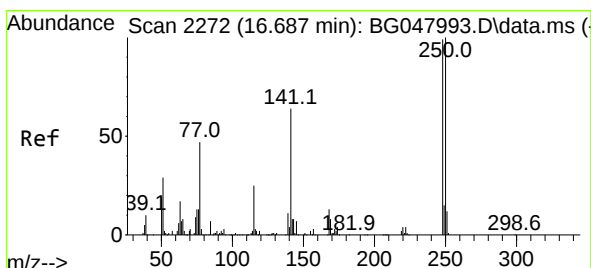
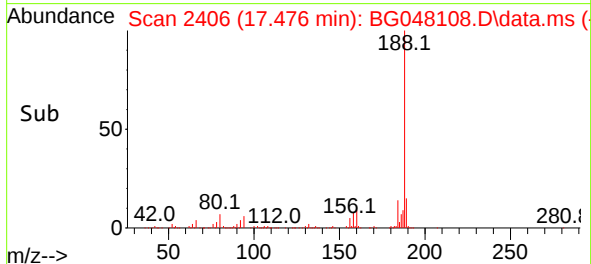
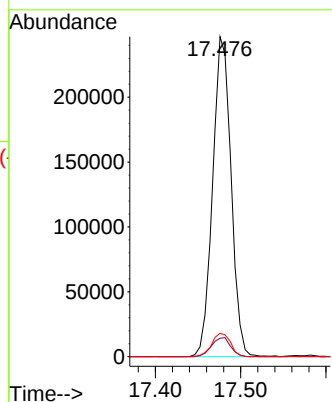
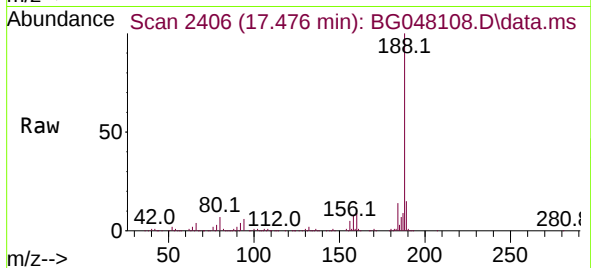




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.476 min Scan# 2406  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

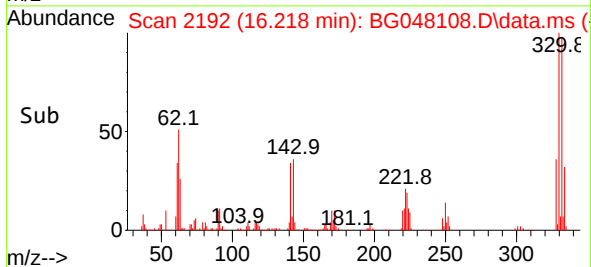
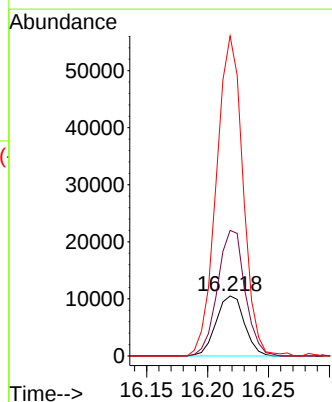
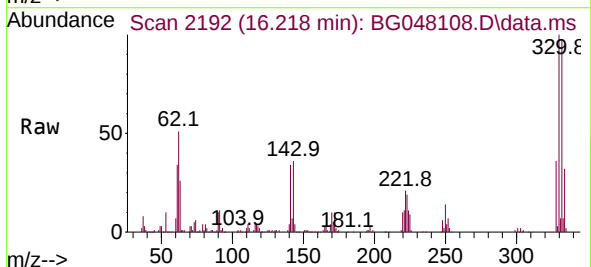
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BNA\_G  
ClientSampleId :  
OU421-007-0510

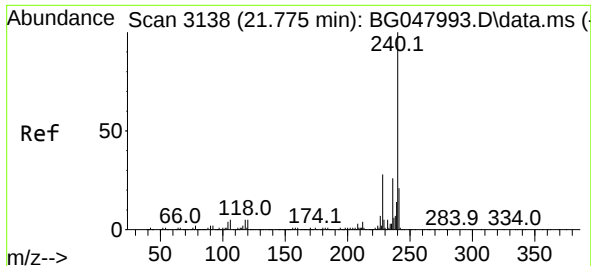
Tgt Ion:188 Resp: 369739  
Ion Ratio Lower Upper  
188 100  
94 5.8 6.3 9.5#  
80 7.3 7.0 10.6



#67  
4-Bromophenyl-phenylether  
Concen: 3.44 ng  
RT: 16.218 min Scan# 2192  
Delta R.T. -0.456 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

Tgt Ion:248 Resp: 16987  
Ion Ratio Lower Upper  
248 100  
250 209.0 78.9 118.3#  
141 532.5 46.2 69.4#

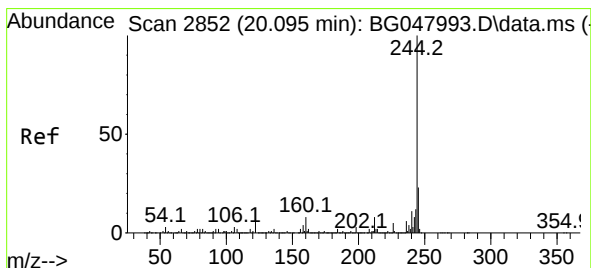
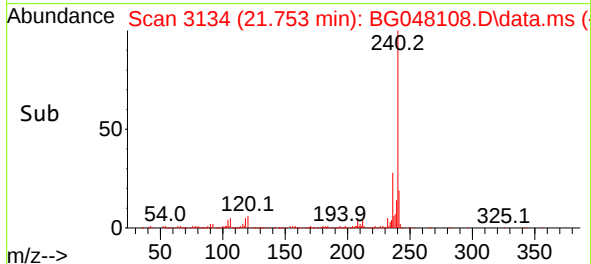
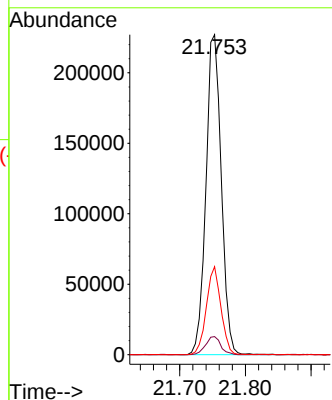
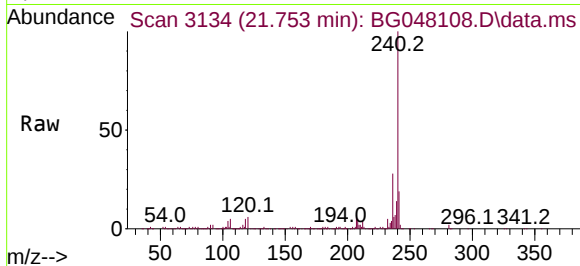




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.753 min Scan# 3134  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

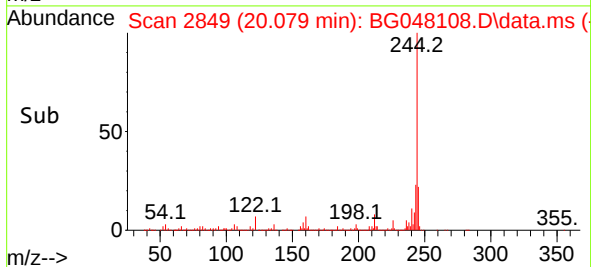
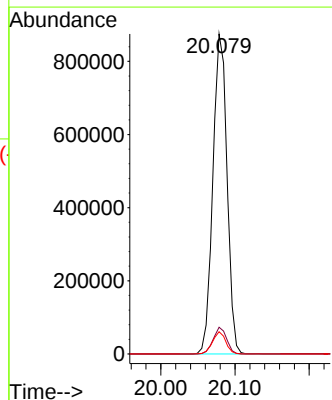
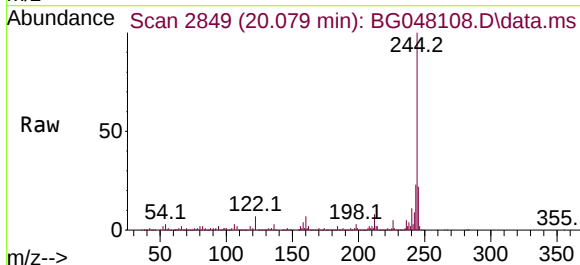
Instrument :  
BNA\_G  
ClientSampleId :  
OU421-007-0510

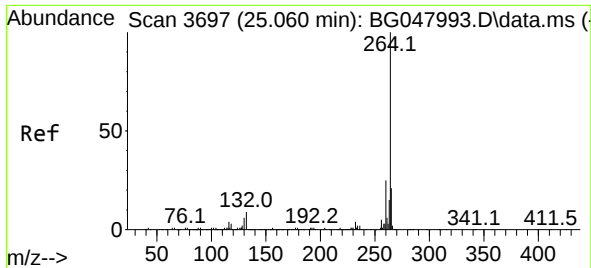
Tgt Ion:240 Resp: 369330  
Ion Ratio Lower Upper  
240 100  
120 5.6 6.2 9.4#  
236 27.5 20.5 30.7



#79  
Terphenyl-d14  
Concen: 54.32 ng  
RT: 20.079 min Scan# 2849  
Delta R.T. -0.009 min  
Lab File: BG048108.D  
Acq: 4 Feb 2021 2:20

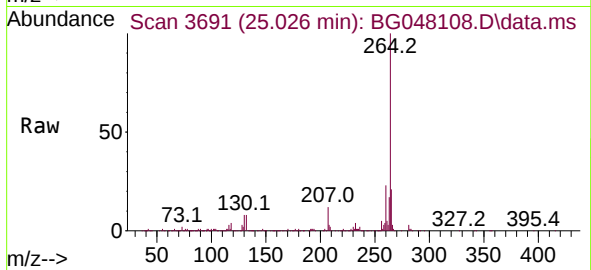
Tgt Ion:244 Resp: 1157125  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.7 10.1  
122 7.0 7.8 11.6#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.026 min Scan# 3691  
 Delta R.T. -0.015 min  
 Lab File: BG048108.D  
 Acq: 4 Feb 2021 2:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OU421-007-0510



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 366741    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.5  | 18.8 28.2 |
| 265         | 21.1  | 17.8 26.8 |

