

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072321\  
 Data File : BG049421.D  
 Acq On : 23 Jul 2021 9:36  
 Operator : CG/JU  
 Sample : PB137674BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB137674BL

Quant Time: Jul 23 11:16:38 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG072121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 21 16:57:05 2021  
 Response via : Initial Calibration

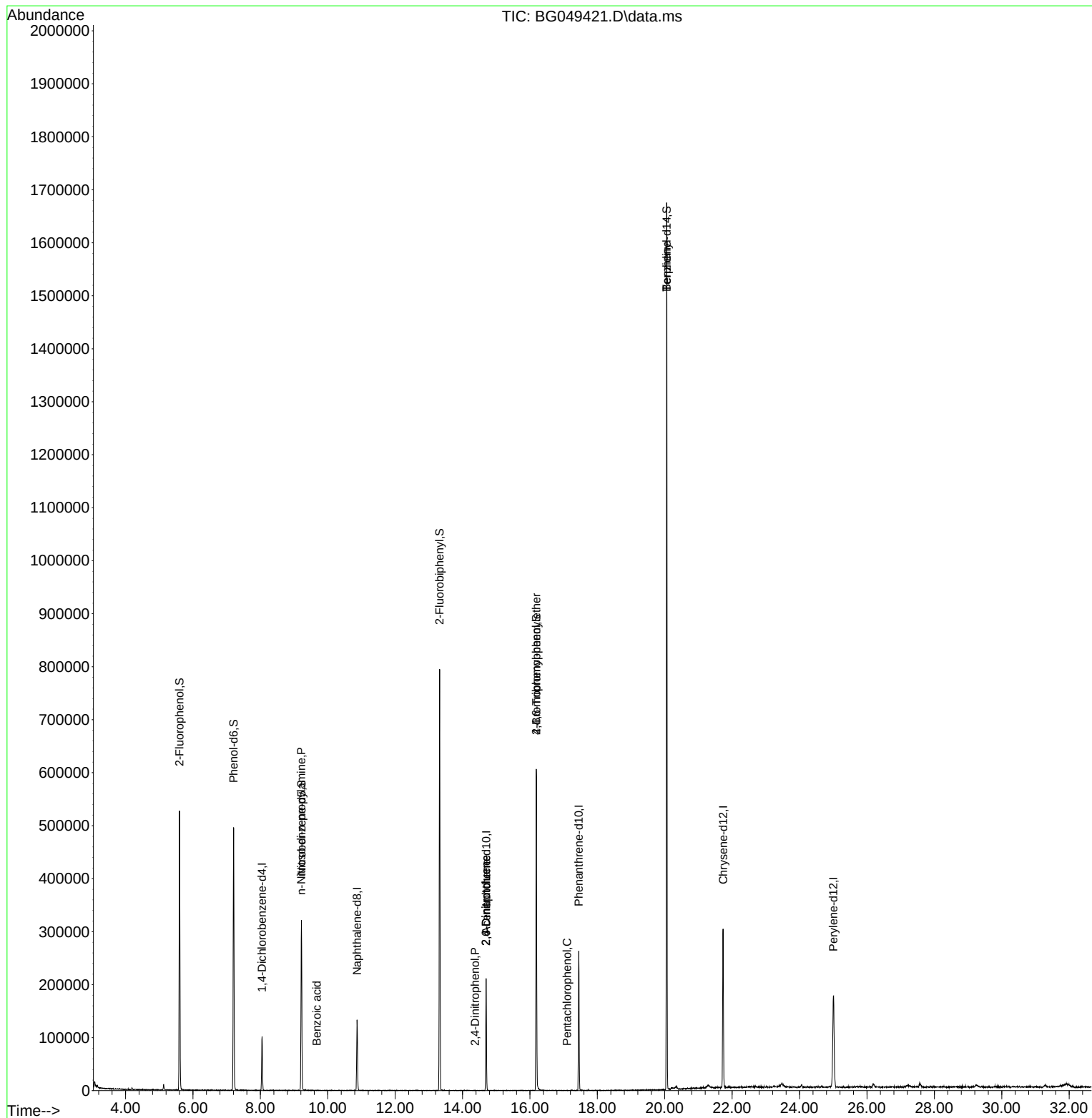
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.050  | 152  | 26608    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.869 | 136  | 108703   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.699 | 164  | 73420    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.449 | 188  | 164322   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.731 | 240  | 192110   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.003 | 264  | 193133   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.600  | 112  | 204542   | 130.423 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.204  | 99   | 273638   | 119.805 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.219  | 82   | 194237   | 80.059  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.192 | 330  | 118130   | 120.145 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.319 | 172  | 396220   | 77.653  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.057 | 244  | 774110   | 78.695  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.213  | 70   | 28358    | 18.896  | ng    | # 68     |
| 32) Benzoic acid              | 9.671  | 122  | 65       | 5.498   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.694 | 165  | 10383    | 8.966   | ng    | # 12     |
| 54) 2,4-Dinitrophenol         | 14.371 | 184  | 57       | 9.096   | ng    | # 8      |
| 57) 2,4-Dinitrotoluene        | 14.694 | 165  | 10383    | 6.487   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.192 | 248  | 7606     | 4.087   | ng    | # 1      |
| 70) Pentachlorophenol         | 17.102 | 266  | 62       | 6.593   | ng    | # 20     |
| 77) Benzidine                 | 20.057 | 184  | 15273    | 2.872   | ng    | 95       |
| -----                         |        |      |          |         |       |          |

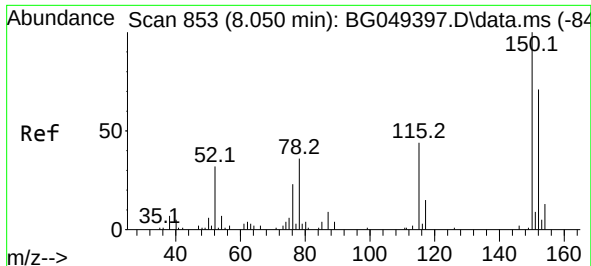
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072321\  
Data File : BG049421.D  
Acq On : 23 Jul 2021 9:36  
Operator : CG/JU  
Sample : PB137674BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

Quant Time: Jul 23 11:16:38 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG072121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 21 16:57:05 2021  
Response via : Initial Calibration

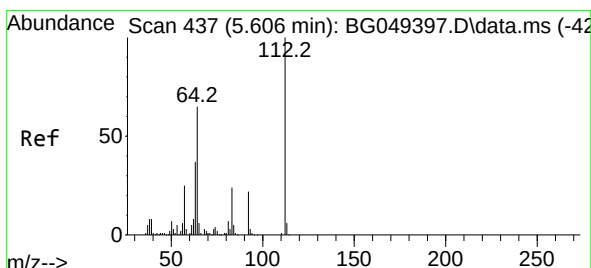
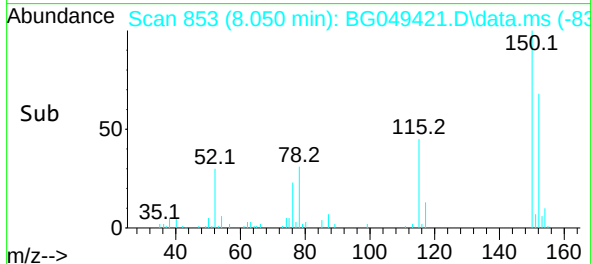
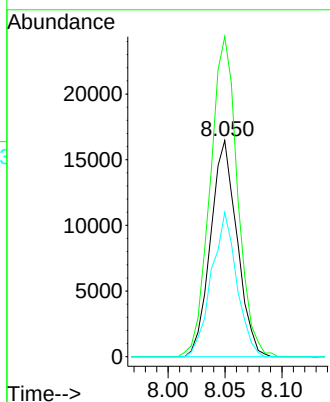
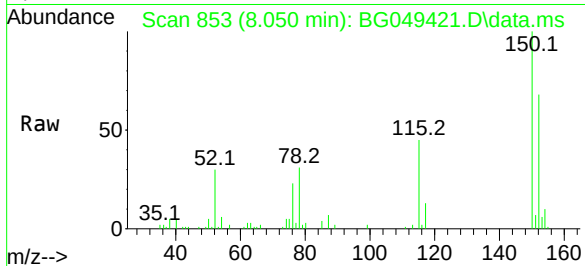




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.050 min Scan# 853  
Delta R.T. -0.000 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

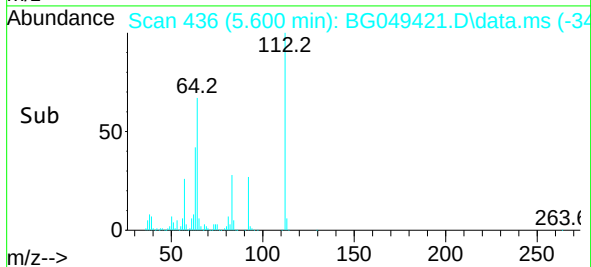
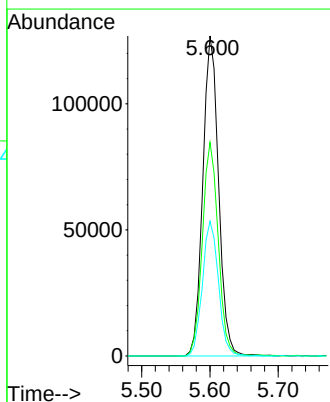
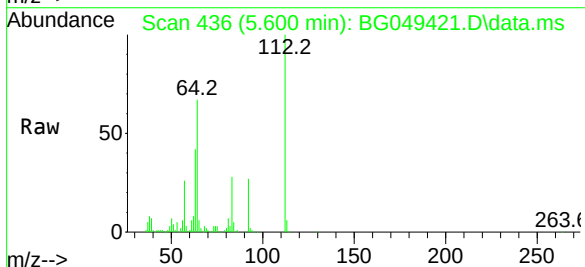
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

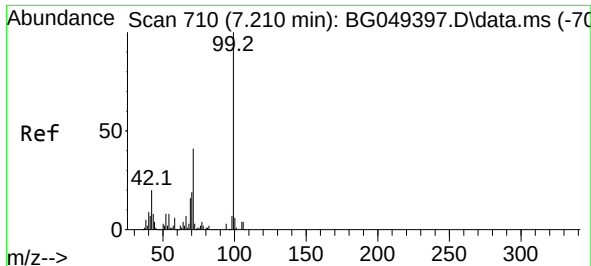
Tgt Ion:152 Resp: 26608  
Ion Ratio Lower Upper  
152 100  
150 148.1 119.4 179.0  
115 66.7 60.2 90.4



#5  
2-Fluorophenol  
Concen: 130.423 ng  
RT: 5.600 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:112 Resp: 204542  
Ion Ratio Lower Upper  
112 100  
64 66.7 46.7 70.1  
63 42.1 35.3 52.9

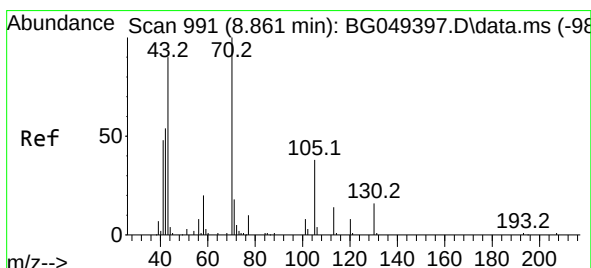
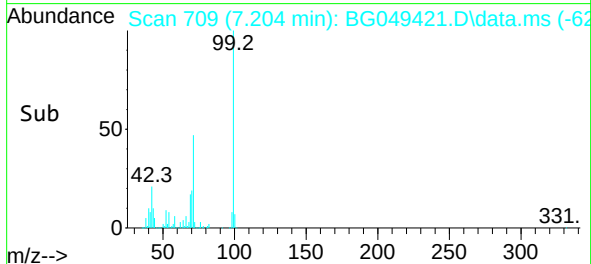
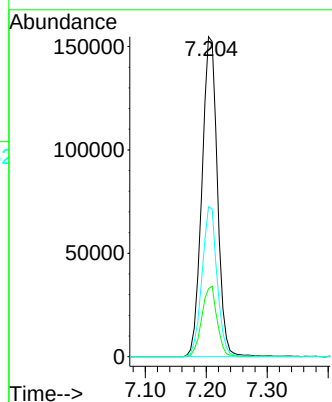
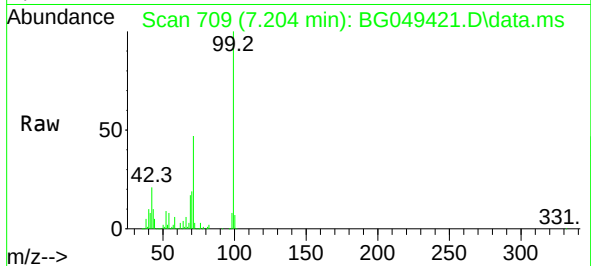




#7  
Phenol-d6  
Concen: 119.805 ng  
RT: 7.204 min Scan# 709  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

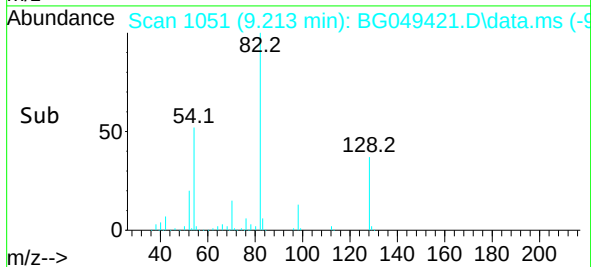
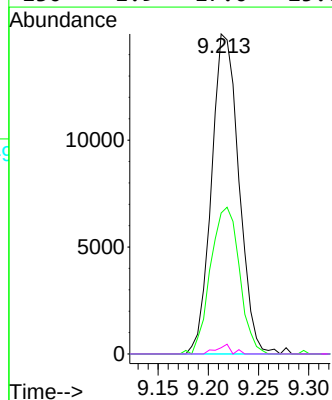
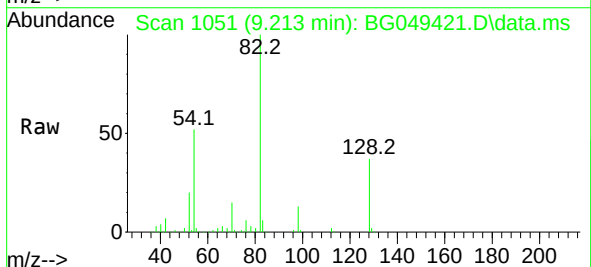
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

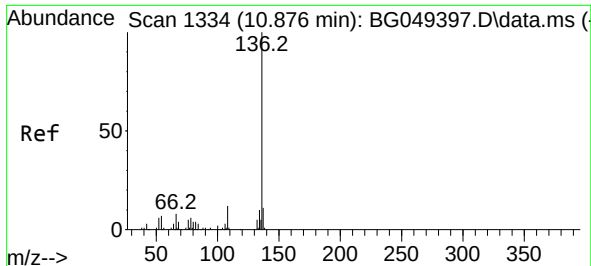
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 273638 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 21.2  | 20.5  | 30.7   |
| 71       | 46.9  | 41.5  | 62.3   |



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.896 ng  
RT: 9.213 min Scan# 1051  
Delta R.T. 0.352 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 28358 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 44.0  | 54.5  | 81.7# |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 1.9   | 17.0  | 25.6# |

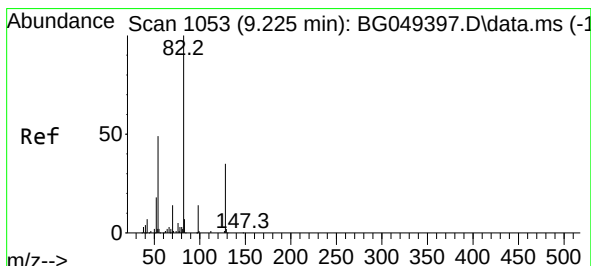
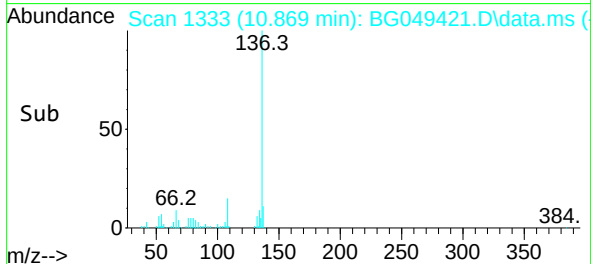
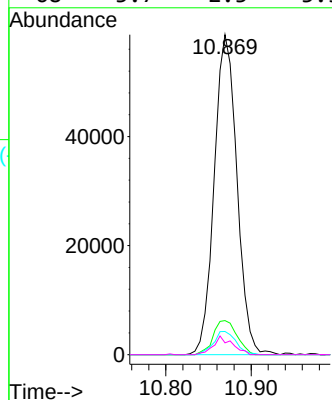
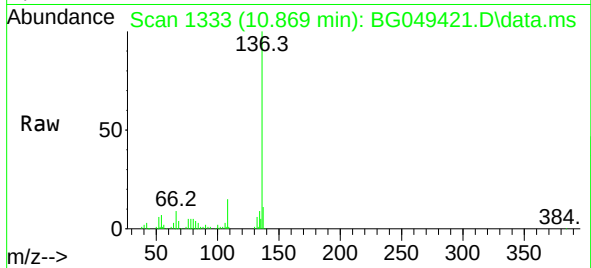




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.869 min Scan# 1333  
Delta R.T. -0.007 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

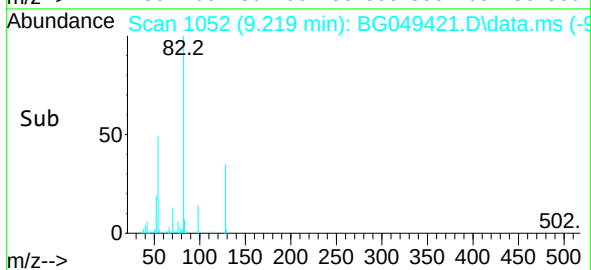
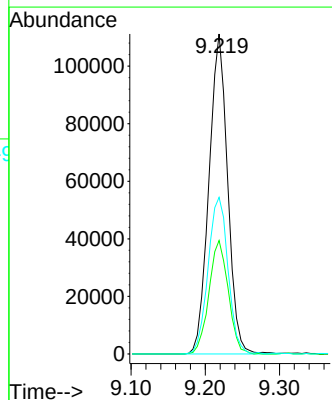
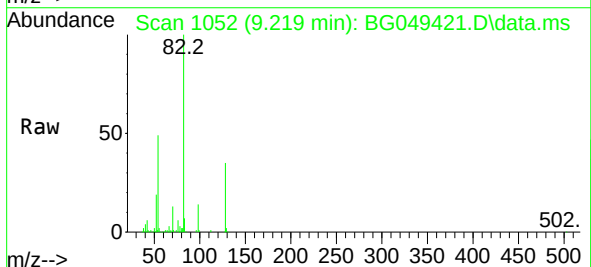
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

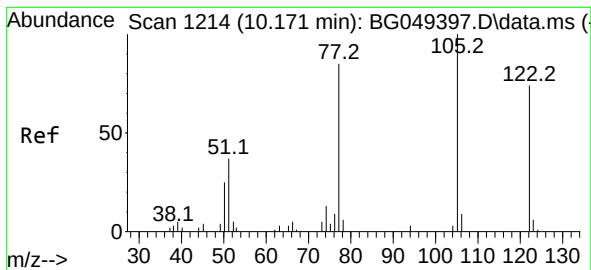
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 108703 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 8.2   | 12.2   |
| 54        | 7.3   | 5.5   | 8.3    |
| 68        | 3.7   | 2.3   | 3.5    |



#23  
Nitrobenzene-d5  
Concen: 80.059 ng  
RT: 9.219 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 194237 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.5  | 29.8  | 44.6   |
| 54        | 49.0  | 45.8  | 68.8   |

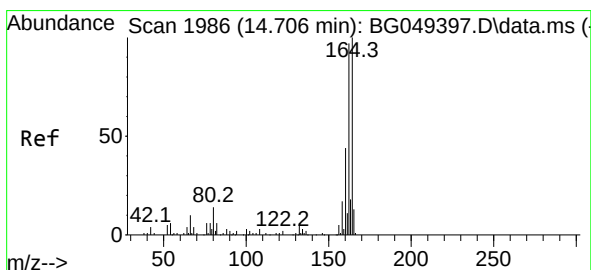
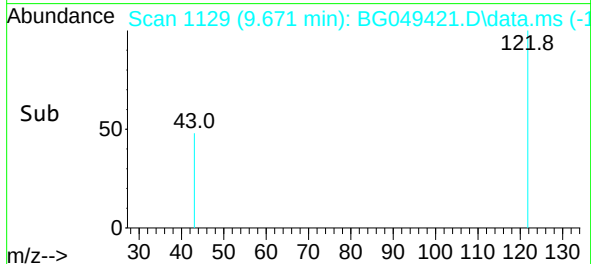
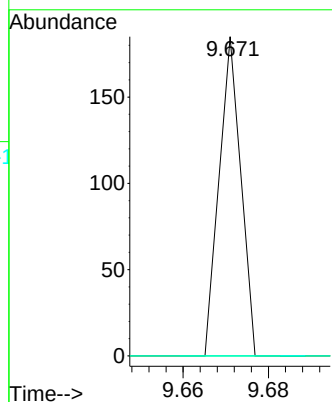
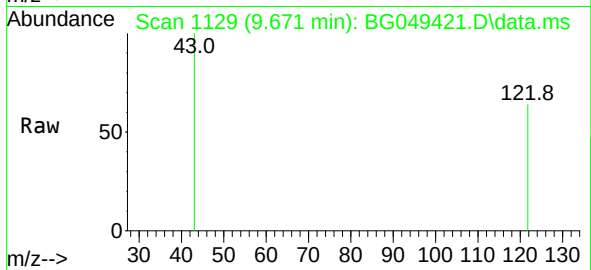




#32  
Benzoic acid  
Concen: 5.498 ng  
RT: 9.671 min Scan# 1129  
Delta R.T. -0.500 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

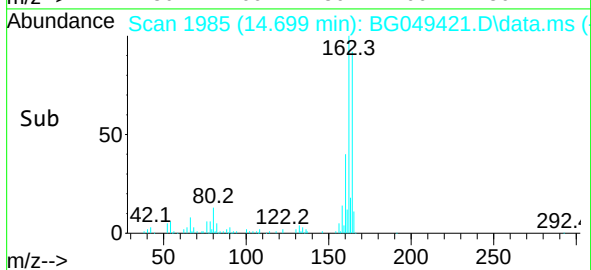
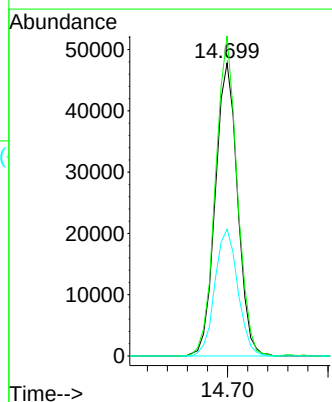
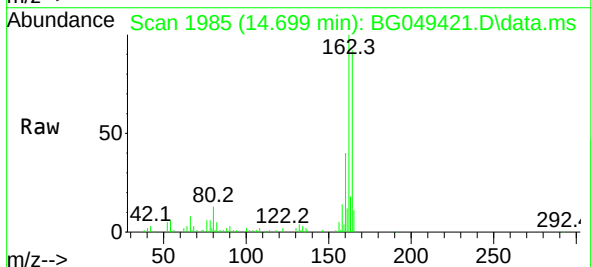
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

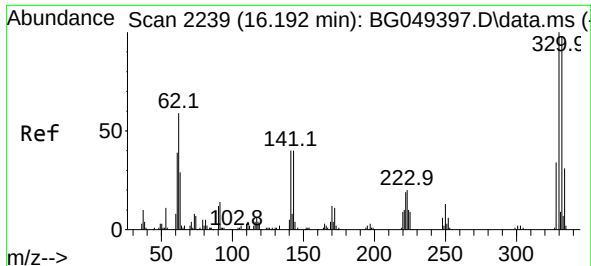
Tgt Ion:122 Resp: 65  
Ion Ratio Lower Upper  
122 100  
105 0.0 92.3 132.3#  
77 0.0 66.5 106.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.699 min Scan# 1985  
Delta R.T. -0.007 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:164 Resp: 73420  
Ion Ratio Lower Upper  
164 100  
162 109.2 81.4 122.0  
160 43.3 34.9 52.3

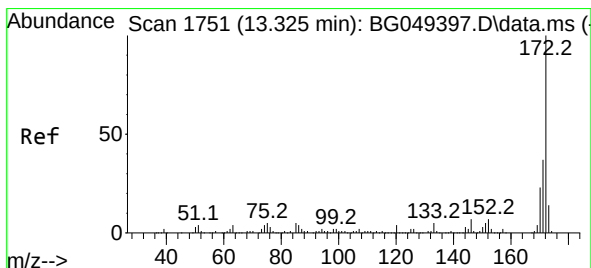
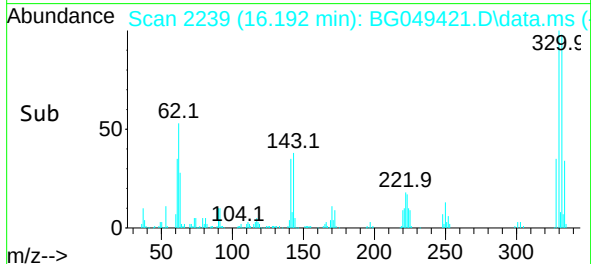
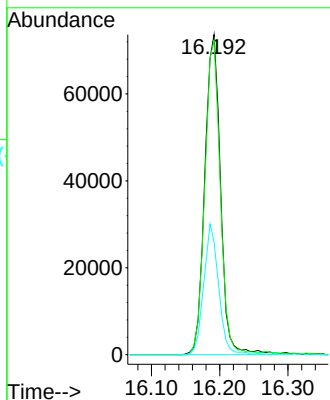
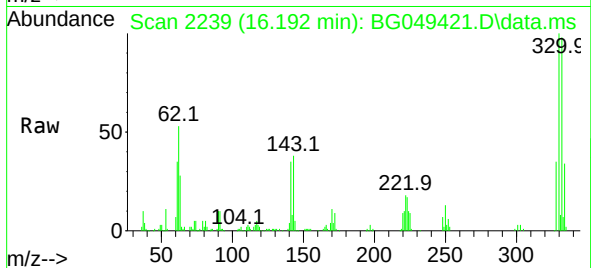




#42  
2,4,6-Tribromophenol  
Concen: 120.145 ng  
RT: 16.192 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

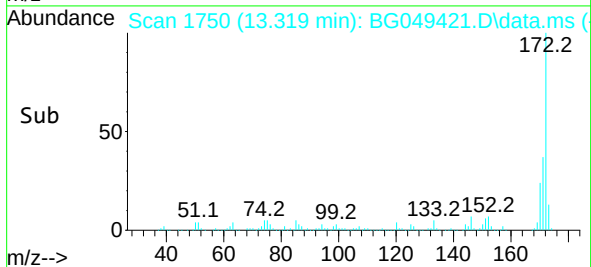
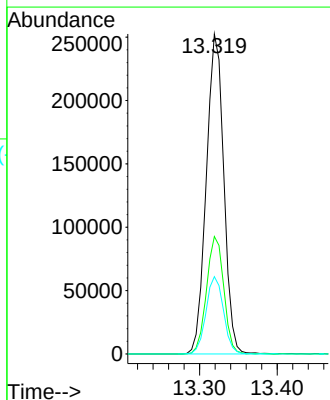
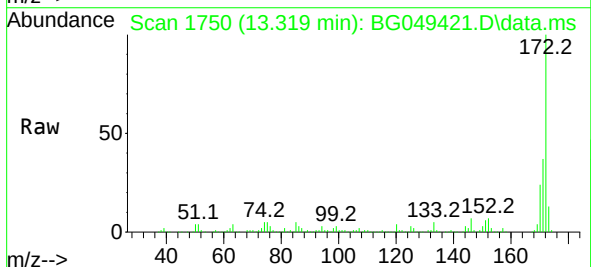
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

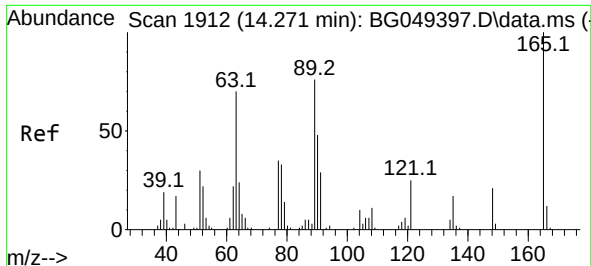
Tgt Ion:330 Resp: 118130  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.3 115.9  
141 38.6 35.6 53.4



#45  
2-Fluorobiphenyl  
Concen: 77.653 ng  
RT: 13.319 min Scan# 1750  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:172 Resp: 396220  
Ion Ratio Lower Upper  
172 100  
171 36.7 28.6 43.0  
170 24.2 18.6 27.8

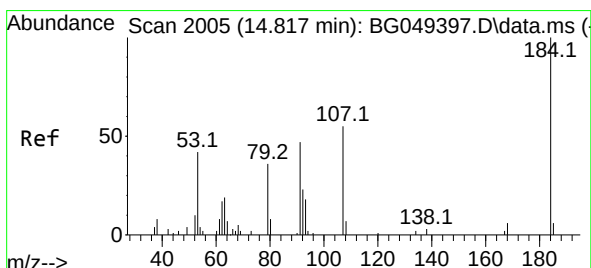
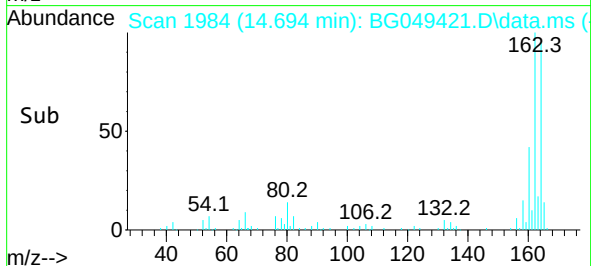
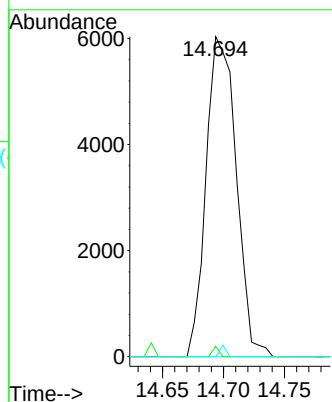
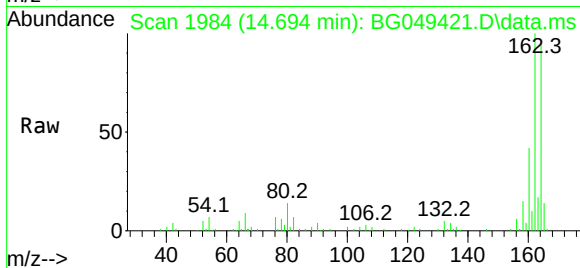




#51  
2,6-Dinitrotoluene  
Concen: 8.966 ng  
RT: 14.694 min Scan# 1984  
Delta R.T. 0.423 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

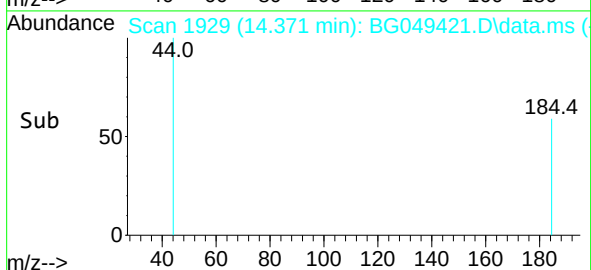
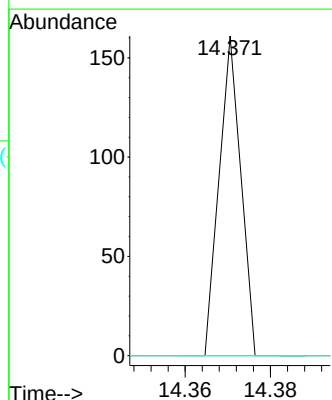
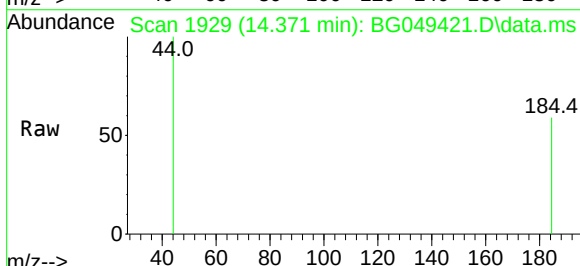
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

Tgt Ion:165 Resp: 10383  
Ion Ratio Lower Upper  
165 100  
63 3.2 63.3 94.9#  
89 0.0 63.4 95.0#

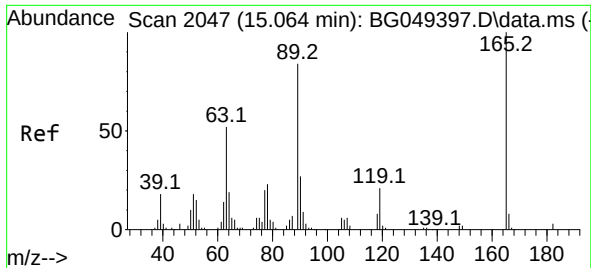


#54  
2,4-Dinitrophenol  
Concen: 9.096 ng  
RT: 14.371 min Scan# 1929  
Delta R.T. -0.446 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:184 Resp: 57  
Ion Ratio Lower Upper  
184 100  
63 0.0 68.3 102.5#  
154 0.0 62.6 93.8#



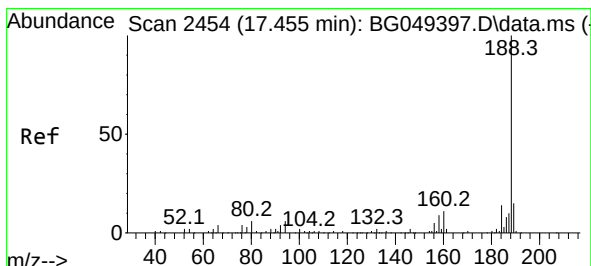
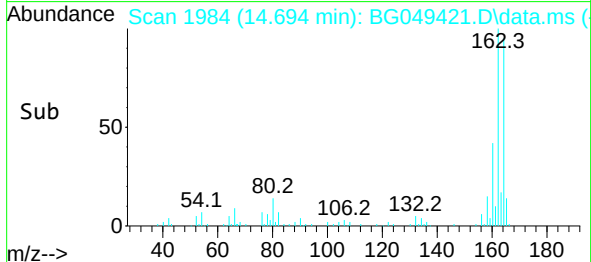
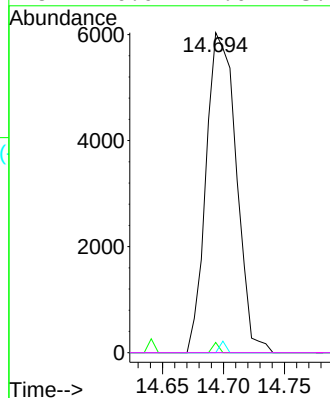
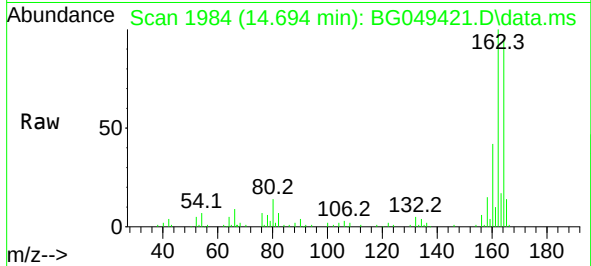




#57  
2,4-Dinitrotoluene  
Concen: 6.487 ng  
RT: 14.694 min Scan# 1984  
Delta R.T. -0.370 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

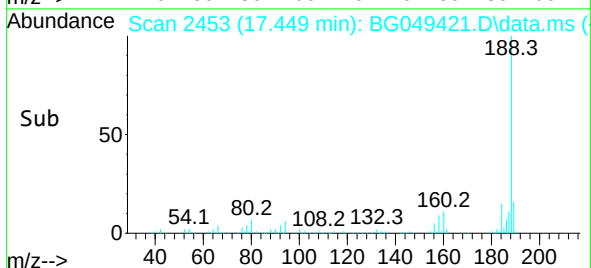
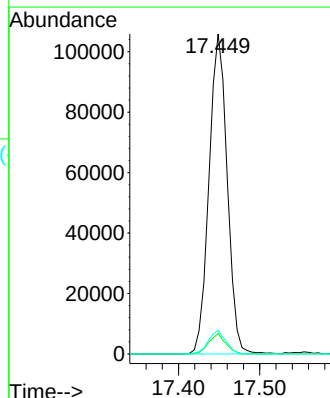
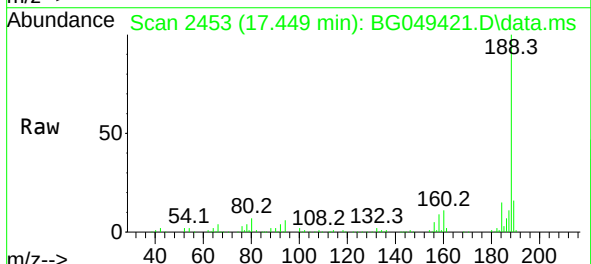
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

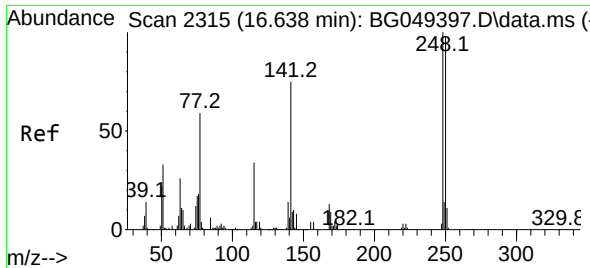
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 10383      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 3.2   | 48.0 72.0# |
| 89          | 0.0   | 65.4 98.0# |
| 182         | 0.0   | 2.0 3.0#   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.449 min Scan# 2453  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 164322   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 6.4   | 5.4 8.0  |
| 80          | 7.3   | 3.7 5.5# |

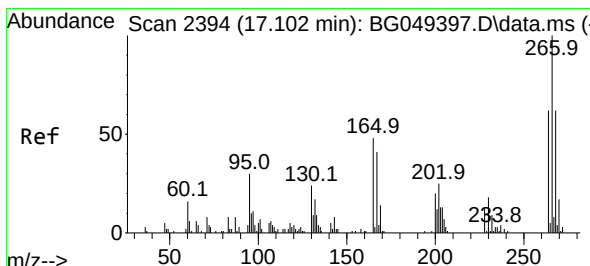
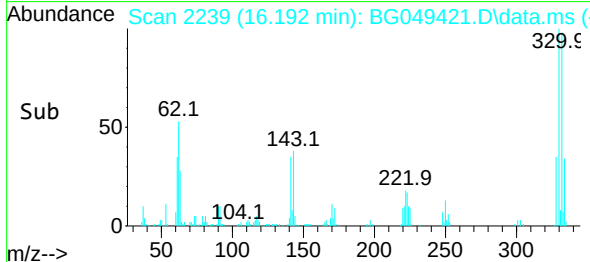
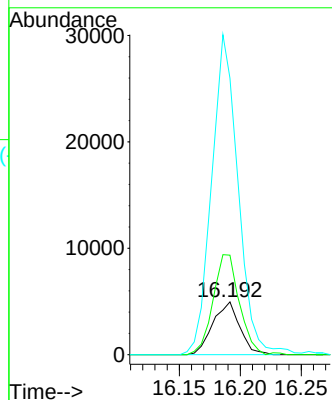
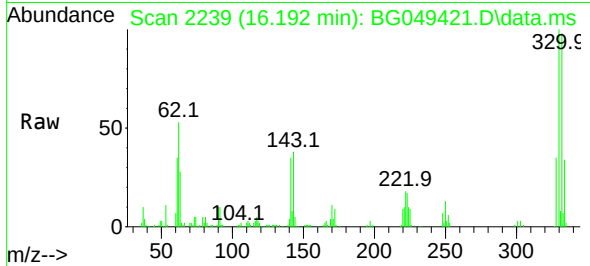




#67  
4-Bromophenyl-phenylether  
Concen: 4.087 ng  
RT: 16.192 min Scan# 2239  
Delta R.T. -0.447 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

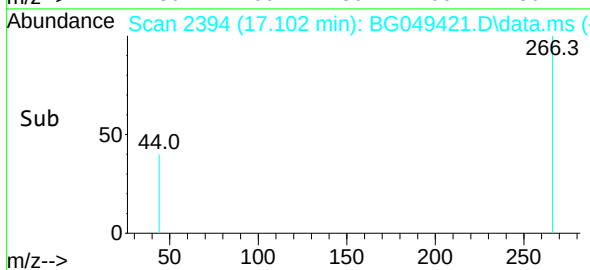
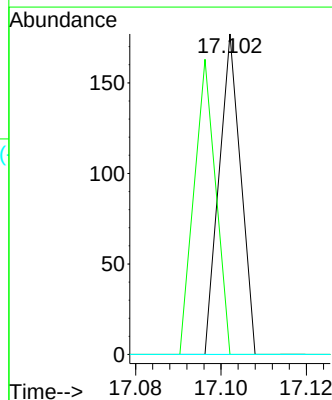
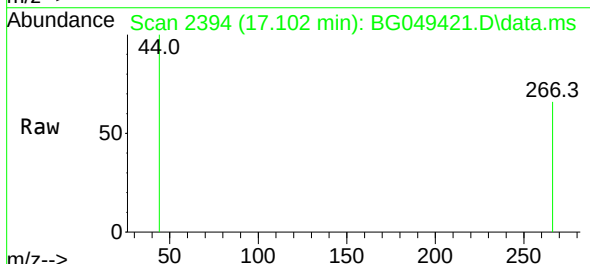
Instrument :  
BNA\_G  
ClientSampled :  
PB137674BL

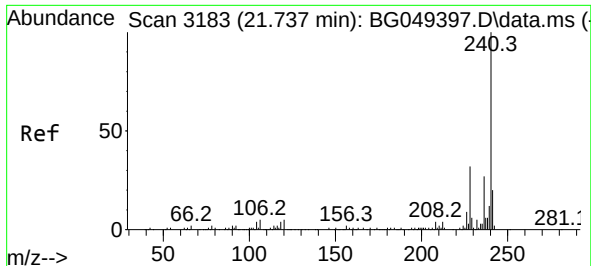
Tgt Ion:248 Resp: 7606  
Ion Ratio Lower Upper  
248 100  
250 188.3 76.1 114.1#  
141 522.9 65.4 98.2#



#70  
Pentachlorophenol  
Concen: 6.593 ng  
RT: 17.102 min Scan# 2394  
Delta R.T. 0.000 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:266 Resp: 62  
Ion Ratio Lower Upper  
266 100  
268 0.0 49.0 73.4#  
264 0.0 49.0 73.6#

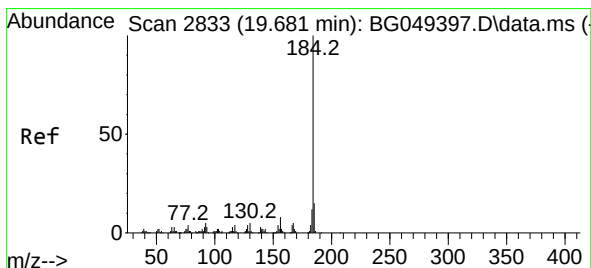
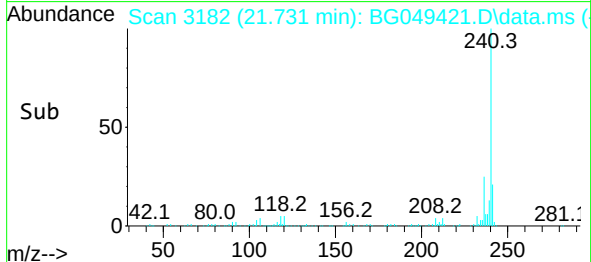
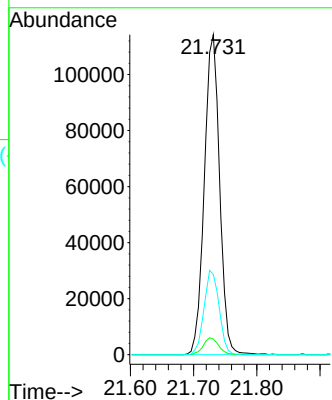
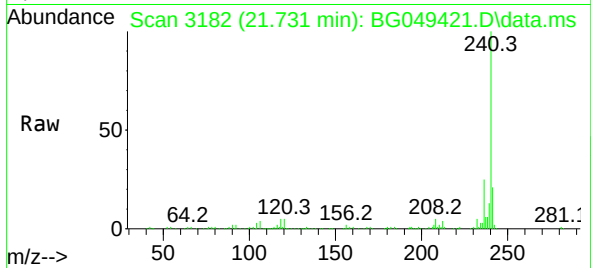




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.731 min Scan# 3182  
Delta R.T. -0.006 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

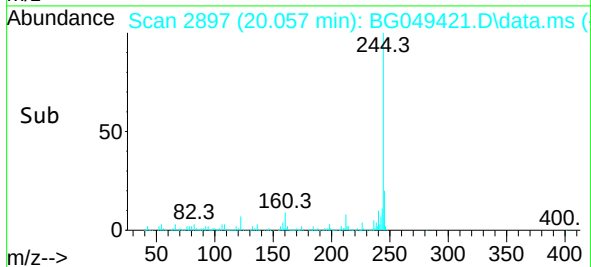
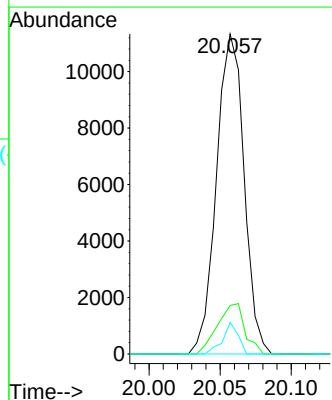
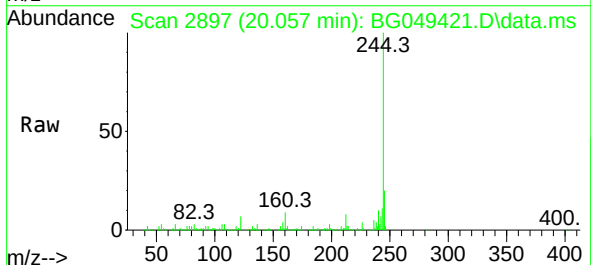
Instrument :  
BNA\_G  
ClientSampleId :  
PB137674BL

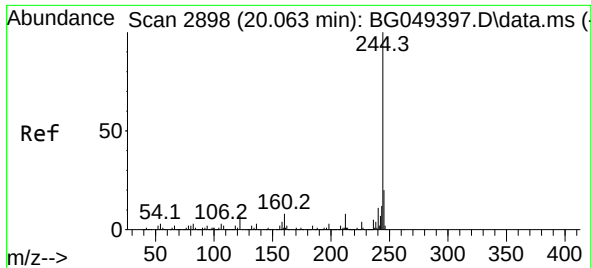
Tgt Ion:240 Resp: 192110  
Ion Ratio Lower Upper  
240 100  
120 4.9 4.2 6.2  
236 25.0 21.8 32.6



#77  
Benzidine  
Concen: 2.872 ng  
RT: 20.057 min Scan# 2897  
Delta R.T. 0.376 min  
Lab File: BG049421.D  
Acq: 23 Jul 2021 9:36

Tgt Ion:184 Resp: 15273  
Ion Ratio Lower Upper  
184 100  
185 15.2 10.7 16.1  
183 9.8 9.4 14.0

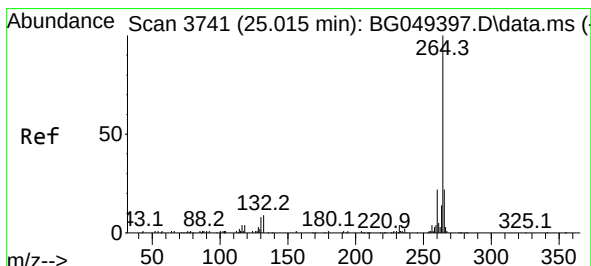
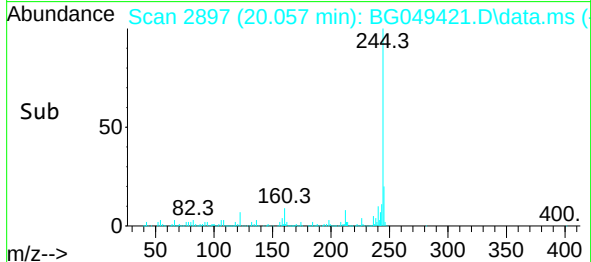
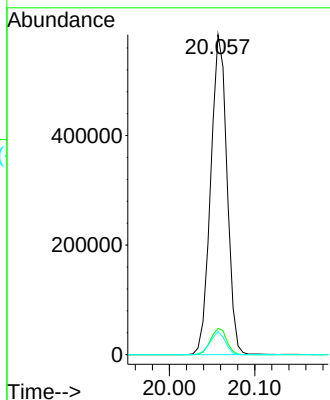
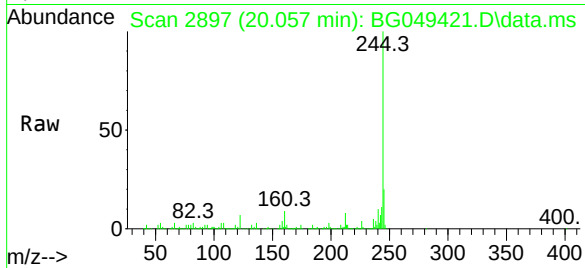




#79  
 Terphenyl-d14  
 Concen: 78.695 ng  
 RT: 20.057 min Scan# 2897  
 Delta R.T. -0.006 min  
 Lab File: BG049421.D  
 Acq: 23 Jul 2021 9:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB137674BL

Tgt Ion:244 Resp: 774110  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.9 10.3  
 122 7.3 5.0 7.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.003 min Scan# 3739  
 Delta R.T. -0.012 min  
 Lab File: BG049421.D  
 Acq: 23 Jul 2021 9:36

Tgt Ion:264 Resp: 193133  
 Ion Ratio Lower Upper  
 264 100  
 260 22.1 19.4 29.2  
 265 21.7 16.9 25.3

