

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102622\  
 Data File : BG055295.D  
 Acq On : 26 Oct 2022 11:42  
 Operator : CG/JU  
 Sample : PB148564BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB148564BL

Quant Time: Oct 27 10:33:32 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 24 16:54:05 2022  
 Response via : Initial Calibration

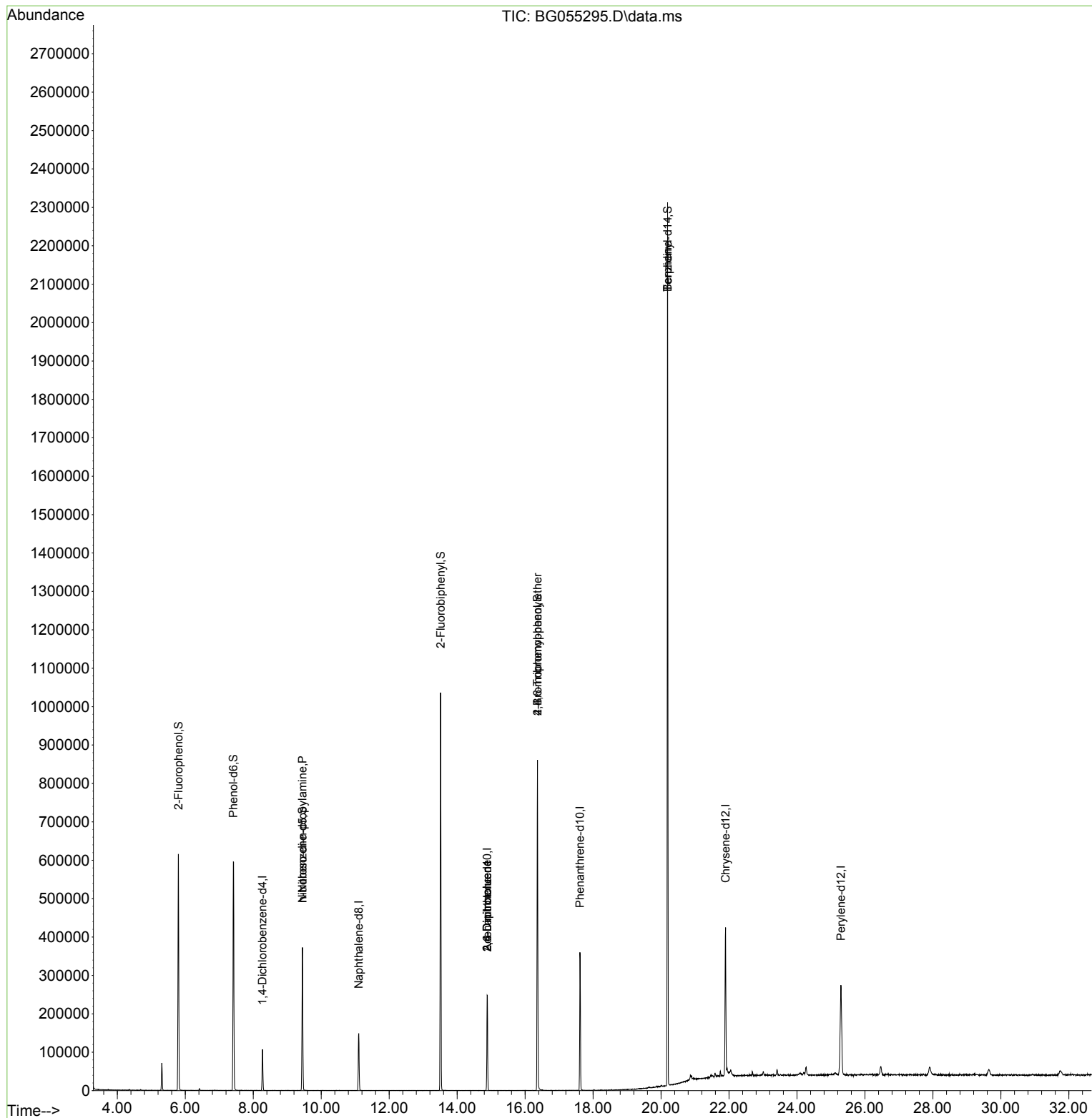
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.273  | 152  | 29841    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.105 | 136  | 130846   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.889 | 164  | 90940    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 224741   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.898 | 240  | 234704   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.294 | 264  | 245577   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.799  | 112  | 279249   | 163.854 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.415  | 99   | 376305   | 152.408 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.448  | 82   | 234564   | 91.540  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.364 | 330  | 168367   | 170.309 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.514 | 172  | 535971   | 96.465  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.194 | 244  | 1082978  | 95.869  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.448  | 70   | 31681    | 15.452  | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.889 | 165  | 11921    | 8.205   | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 14.889 | 165  | 11921    | 5.654   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.364 | 248  | 10980    | 5.029   | ng    | # 1      |
| 77) Benzidine                 | 20.194 | 184  | 16795    | 2.955   | ng    | # 89     |
| -----                         |        |      |          |         |       |          |

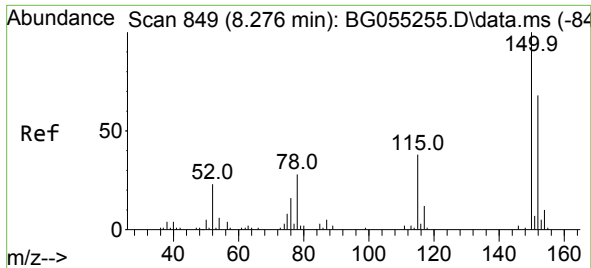
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 24 16:54:05 2022  
Response via : Initial Calibration

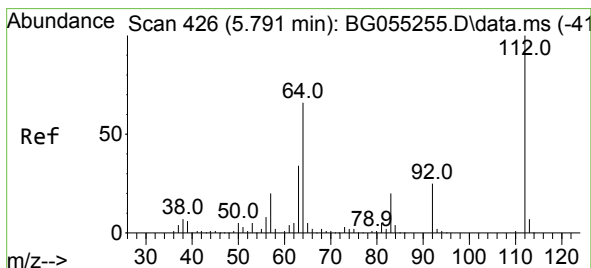
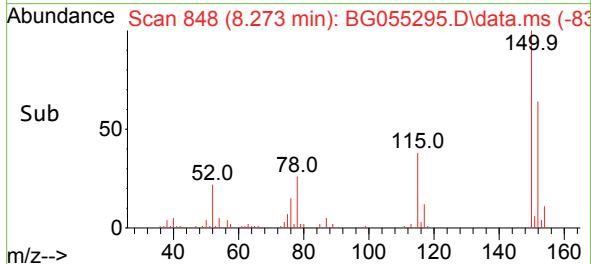
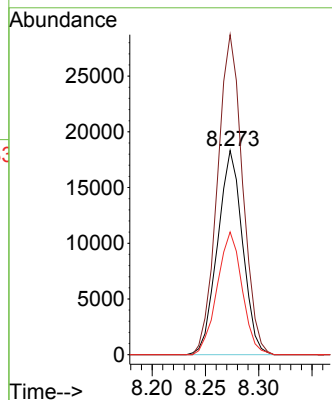
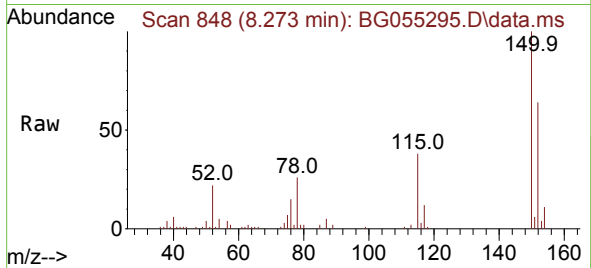




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.273 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

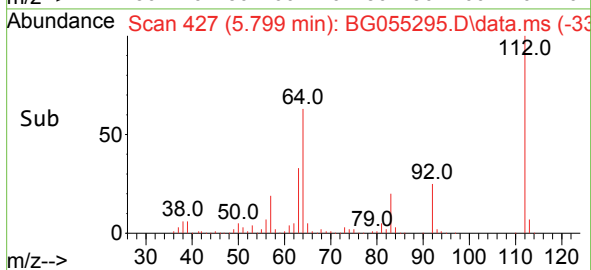
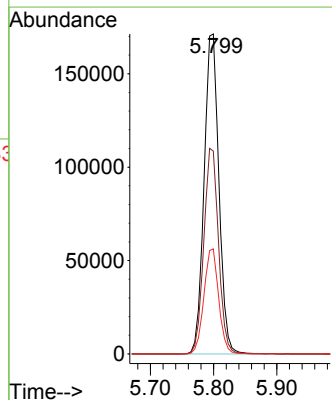
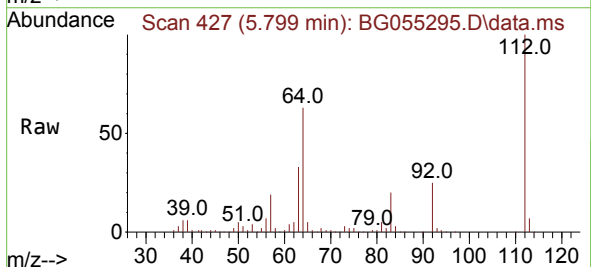
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

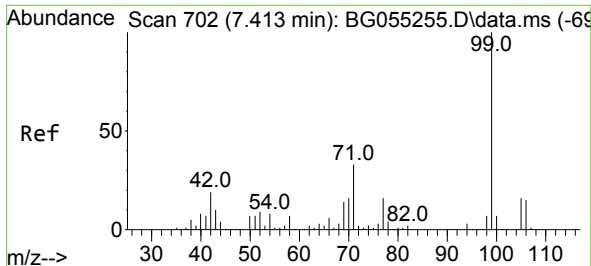
Tgt Ion:152 Resp: 29841  
Ion Ratio Lower Upper  
152 100  
150 156.8 118.2 177.4  
115 60.1 44.5 66.7



#5  
2-Fluorophenol  
Concen: 163.854 ng  
RT: 5.799 min Scan# 427  
Delta R.T. 0.009 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:112 Resp: 279249  
Ion Ratio Lower Upper  
112 100  
64 63.4 52.6 78.8  
63 32.9 27.1 40.7

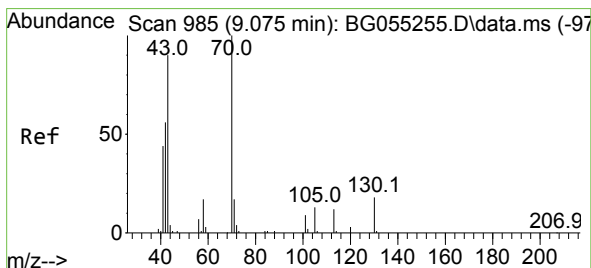
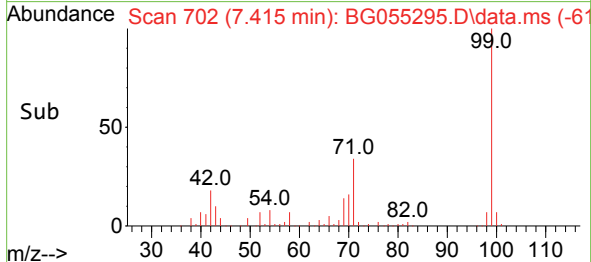
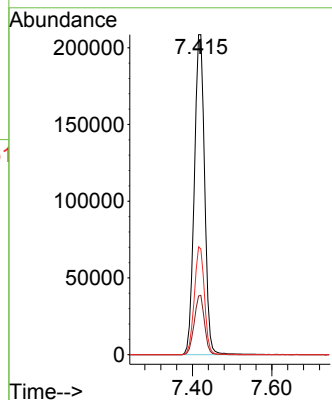
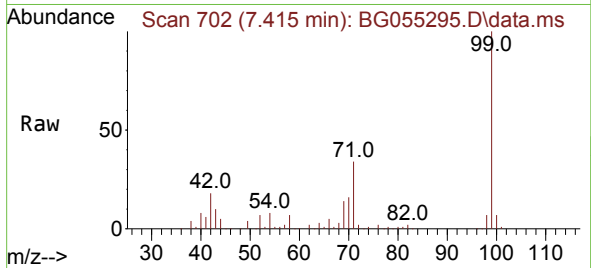




#7  
Phenol-d6  
Concen: 152.408 ng  
RT: 7.415 min Scan# 702  
Delta R.T. 0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

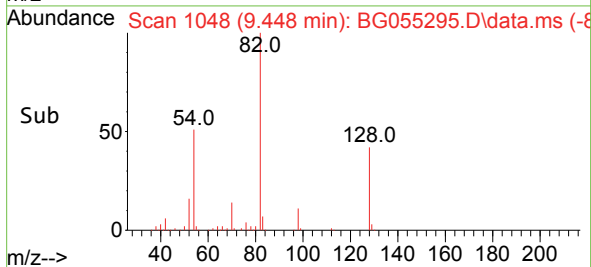
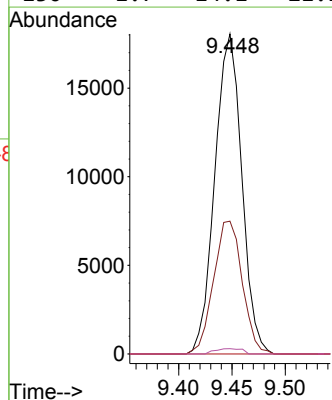
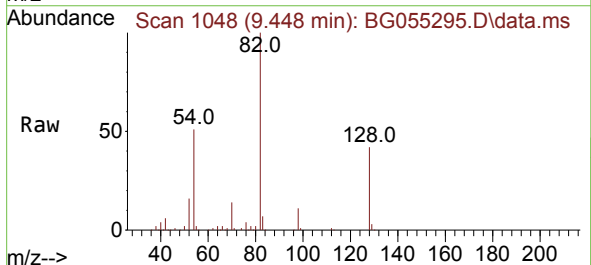
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

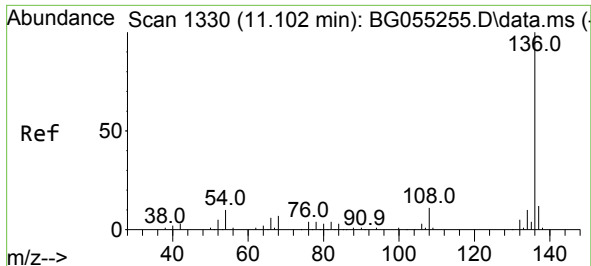
Tgt Ion: 99 Resp: 376305  
Ion Ratio Lower Upper  
99 100  
42 18.4 15.2 22.8  
71 33.7 26.2 39.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.452 ng  
RT: 9.448 min Scan# 1048  
Delta R.T. 0.373 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion: 70 Resp: 31681  
Ion Ratio Lower Upper  
70 100  
42 41.5 45.8 68.6#  
101 0.0 7.4 11.0#  
130 1.7 14.1 21.1#

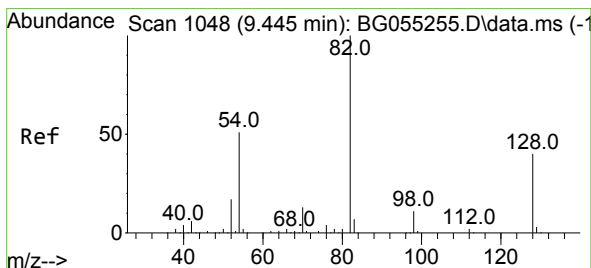
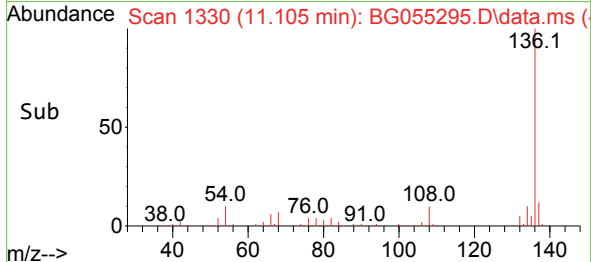
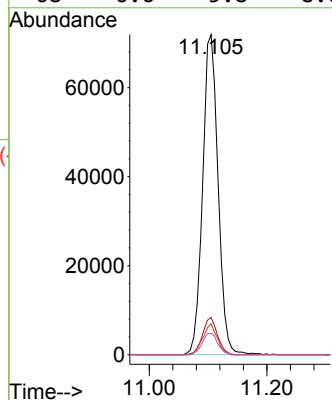
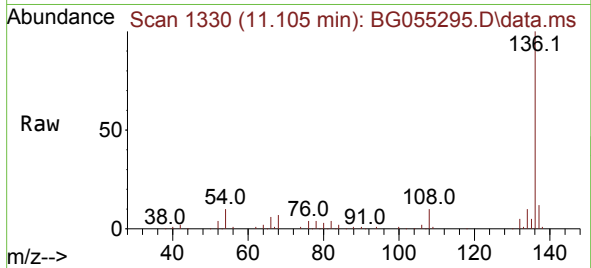




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.105 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

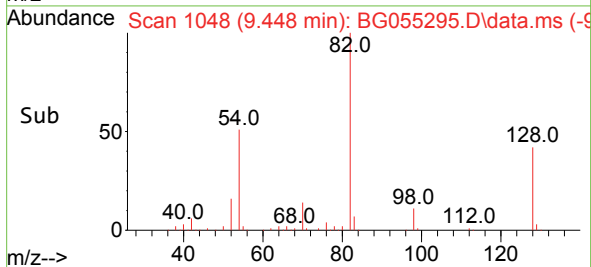
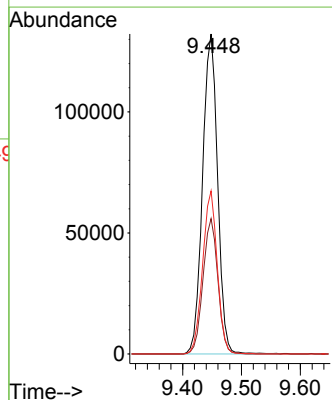
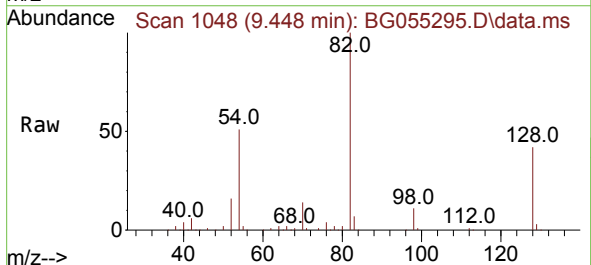
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

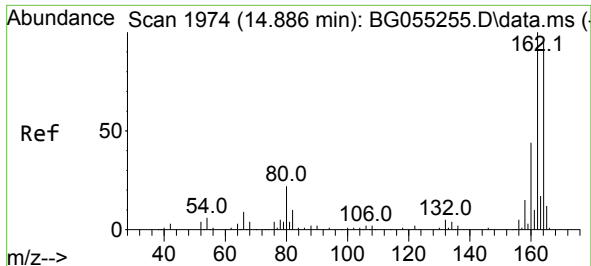
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 130846 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 9.2   | 13.8   |
| 54        | 9.6   | 7.8   | 11.8   |
| 68        | 6.6   | 5.8   | 8.6    |



#23  
Nitrobenzene-d5  
Concen: 91.540 ng  
RT: 9.448 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 234564 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.3  | 32.0  | 48.0   |
| 54        | 51.0  | 40.9  | 61.3   |

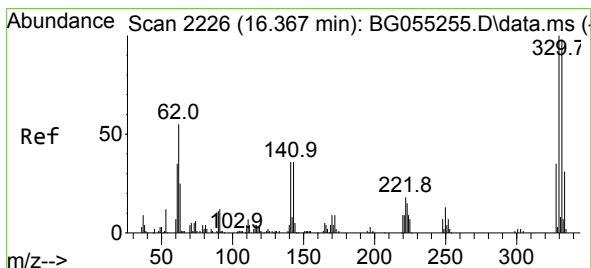
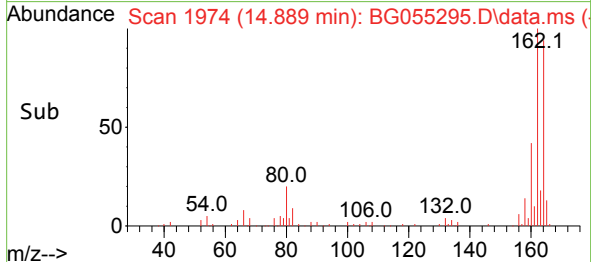
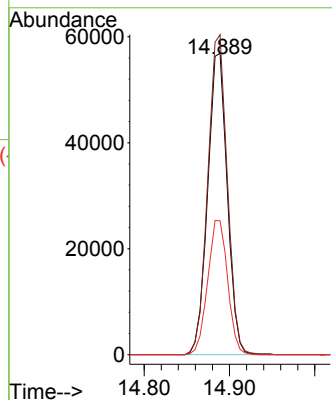
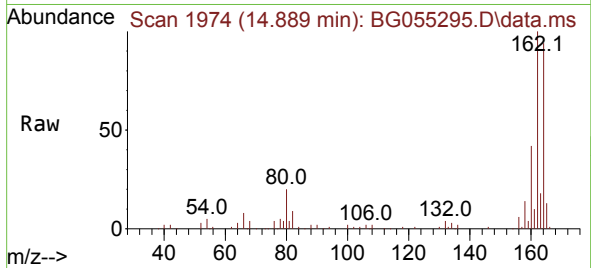




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.889 min Scan# 1974  
Delta R.T. 0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

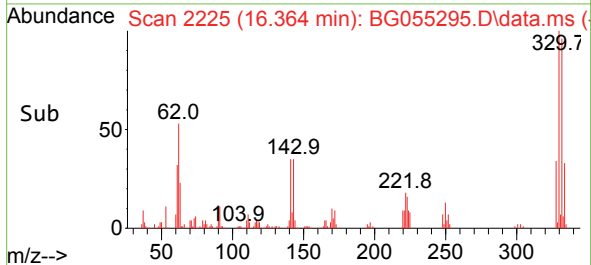
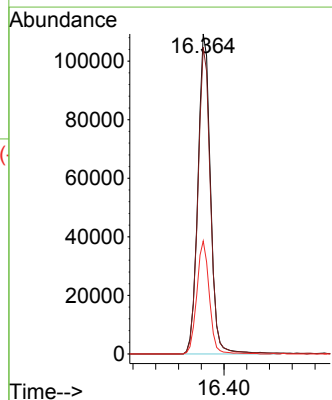
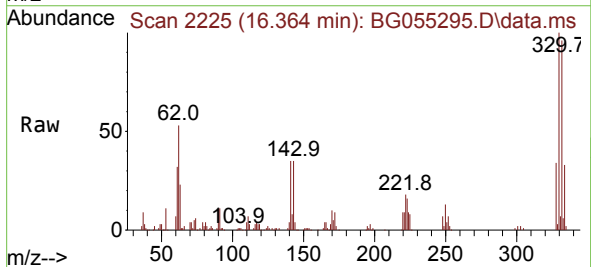
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

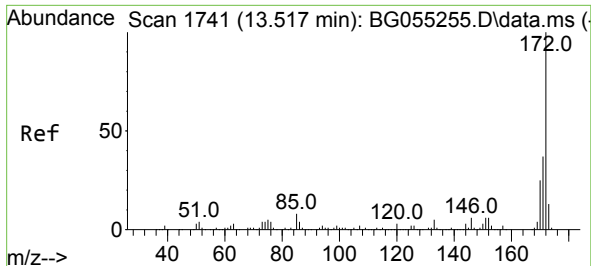
Tgt Ion:164 Resp: 90940  
Ion Ratio Lower Upper  
164 100  
162 106.1 84.0 126.0  
160 44.4 36.7 55.1



#42  
2,4,6-Tribromophenol  
Concen: 170.309 ng  
RT: 16.364 min Scan# 2225  
Delta R.T. -0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:330 Resp: 168367  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.4 116.0  
141 35.1 29.8 44.8

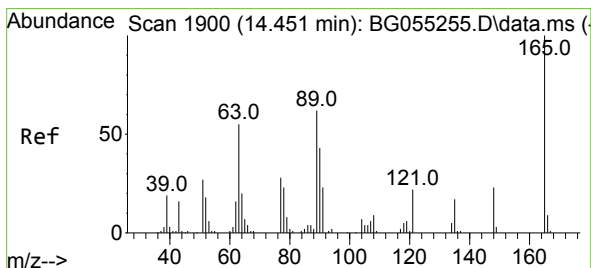
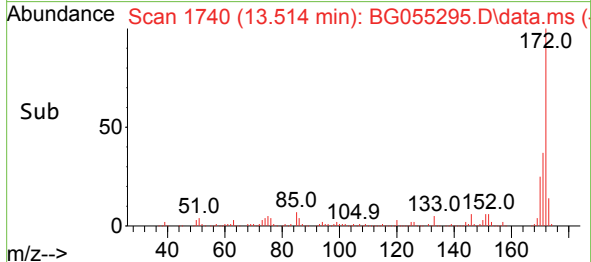
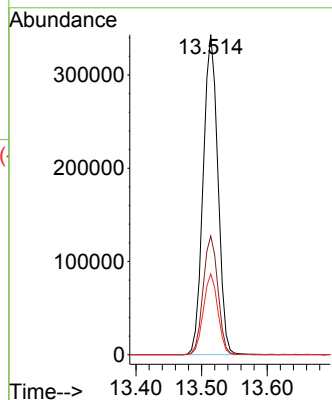
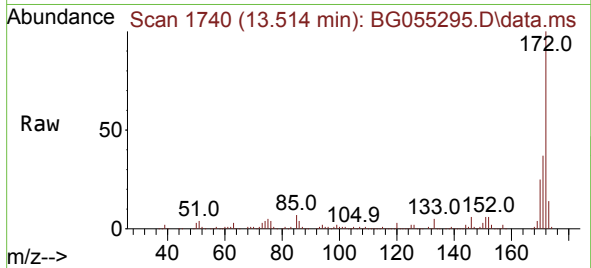




#45  
2-Fluorobiphenyl  
Concen: 96.465 ng  
RT: 13.514 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

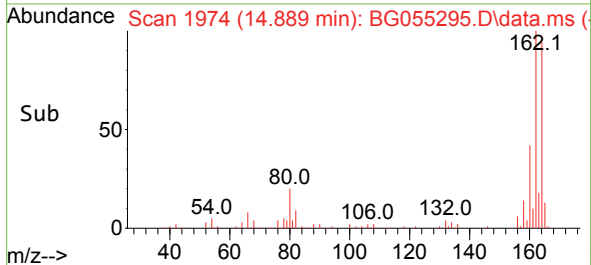
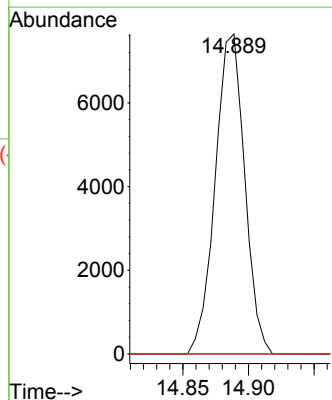
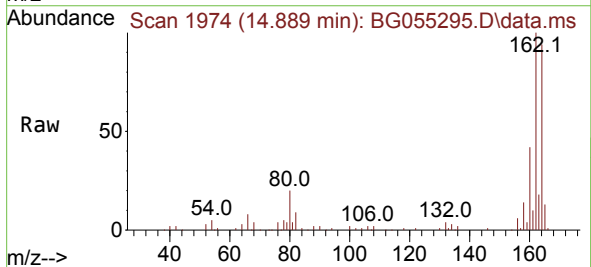
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

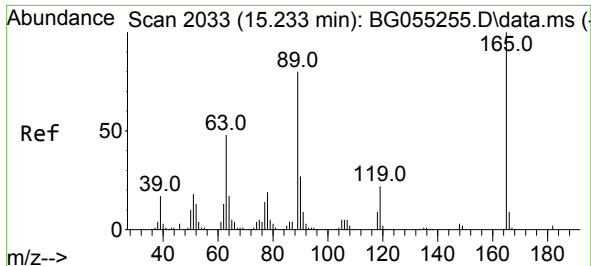
Tgt Ion:172 Resp: 535971  
Ion Ratio Lower Upper  
172 100  
171 37.1 29.7 44.5  
170 25.3 20.2 30.2



#51  
2,6-Dinitrotoluene  
Concen: 8.205 ng  
RT: 14.889 min Scan# 1974  
Delta R.T. 0.437 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:165 Resp: 11921  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.2 73.8#  
89 0.0 49.9 74.9#

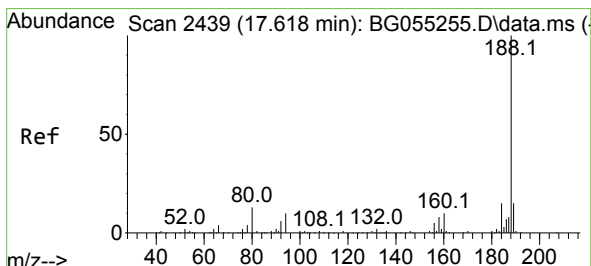
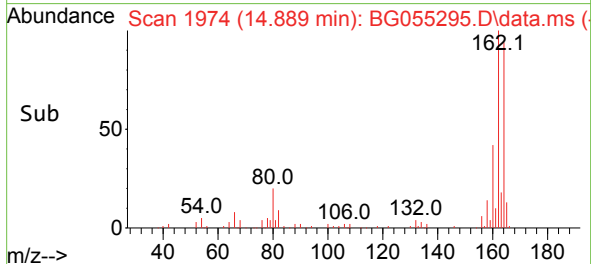
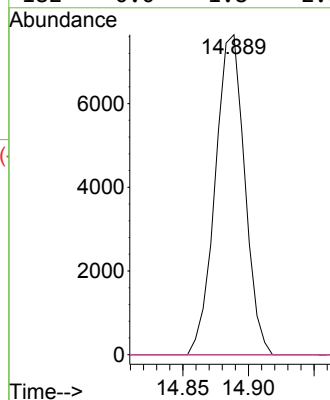
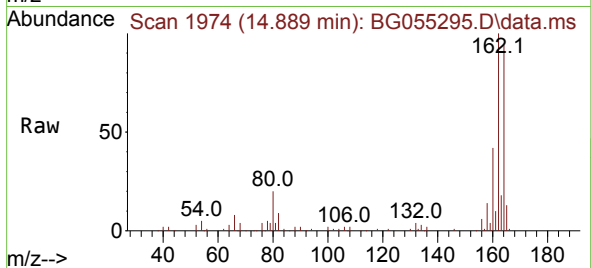




#57  
2,4-Dinitrotoluene  
Concen: 5.654 ng  
RT: 14.889 min Scan# 1974  
Delta R.T. -0.344 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

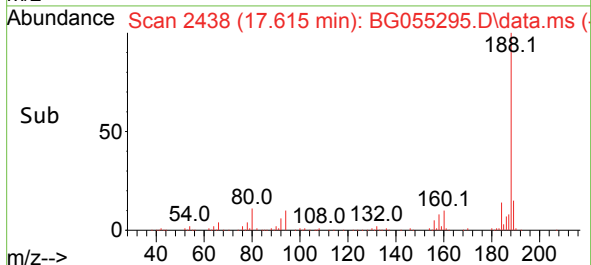
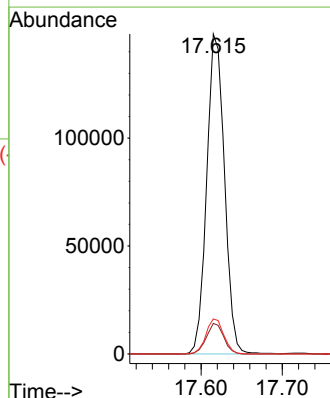
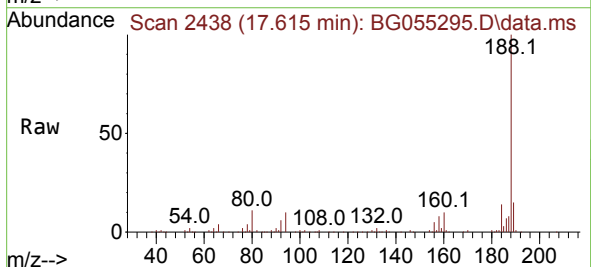
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

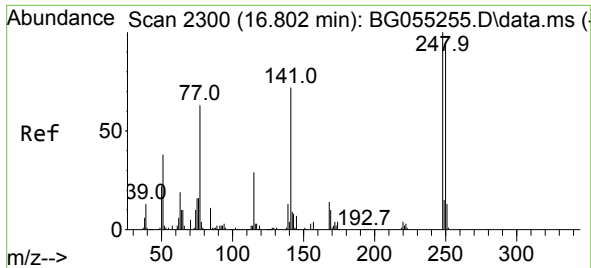
Tgt Ion:165 Resp: 11921  
Ion Ratio Lower Upper  
165 100  
63 0.0 38.9 58.3#  
89 0.0 64.2 96.4#  
182 0.0 1.8 2.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.615 min Scan# 2438  
Delta R.T. -0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:188 Resp: 224741  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.2 12.4  
80 11.0 10.1 15.1

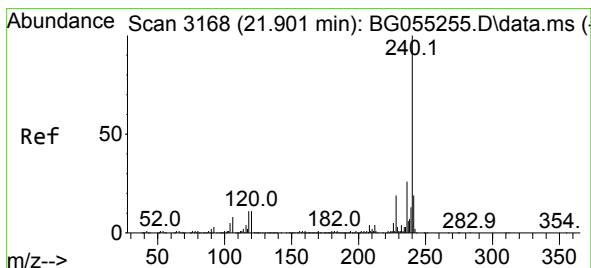
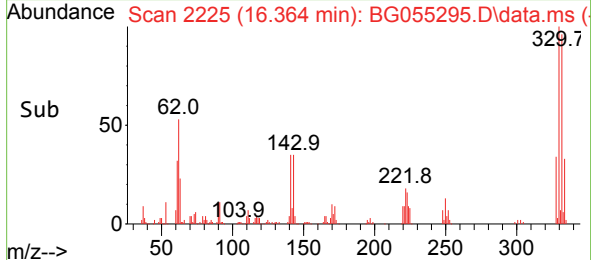
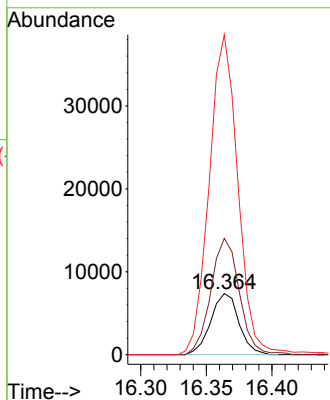
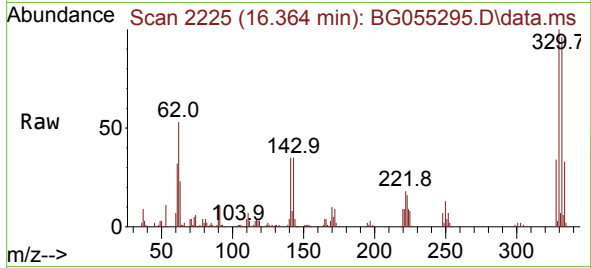




#67  
4-Bromophenyl-phenylether  
Concen: 5.029 ng  
RT: 16.364 min Scan# 21  
Delta R.T. -0.438 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

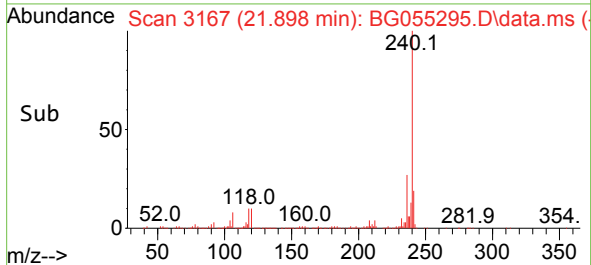
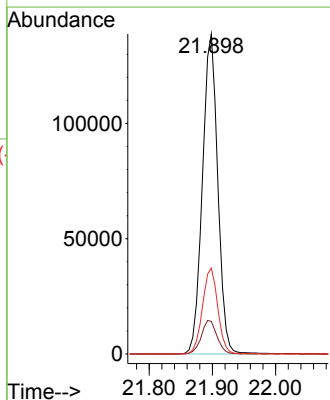
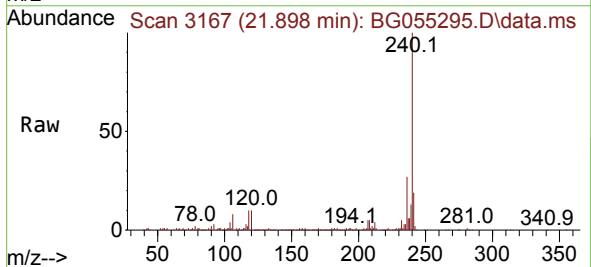
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

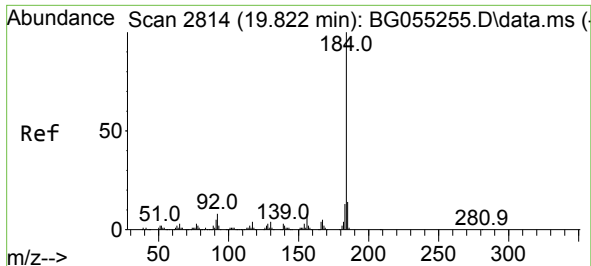
Tgt Ion:248 Resp: 10980  
Ion Ratio Lower Upper  
248 100  
250 190.2 76.0 114.0#  
141 523.3 58.0 87.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.898 min Scan# 3167  
Delta R.T. -0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:240 Resp: 234704  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.9 13.3  
236 26.8 21.0 31.4

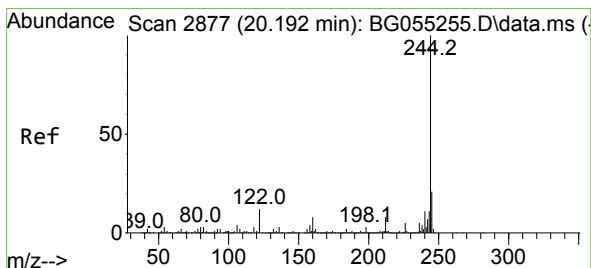
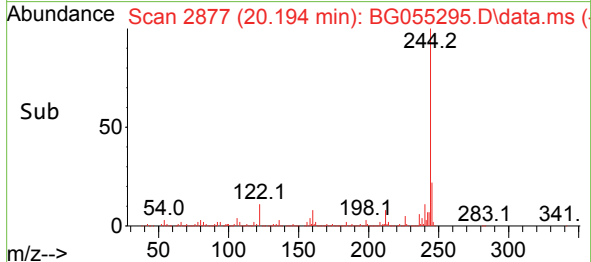
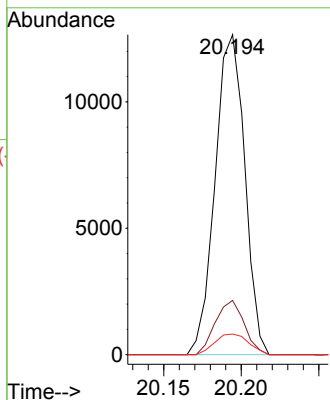
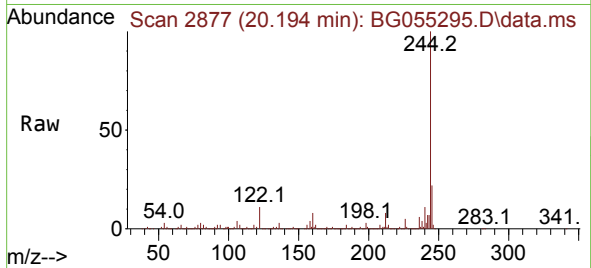




#77  
Benzidine  
Concen: 2.955 ng  
RT: 20.194 min Scan# 2814  
Delta R.T. 0.372 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

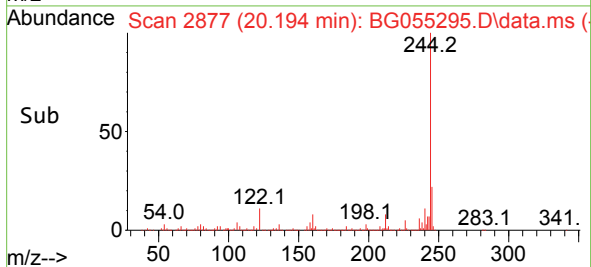
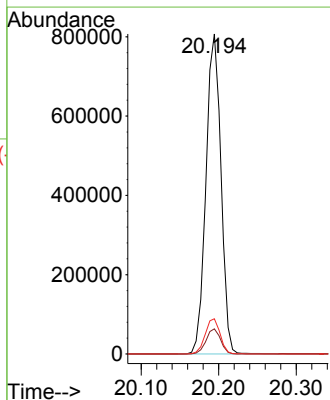
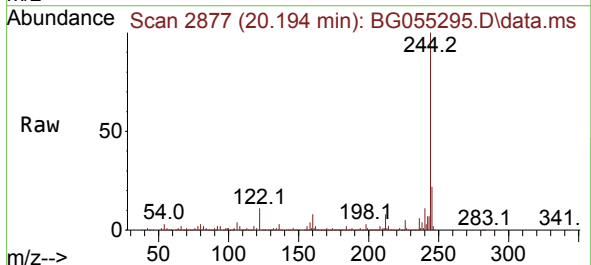
Instrument :  
BNA\_G  
ClientSampleId :  
PB148564BL

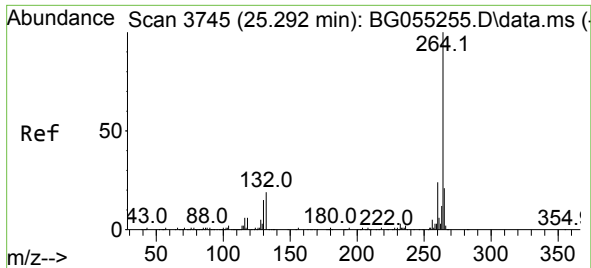
Tgt Ion:184 Resp: 16795  
Ion Ratio Lower Upper  
184 100  
185 16.9 11.0 16.6#  
183 6.5 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 95.869 ng  
RT: 20.194 min Scan# 2877  
Delta R.T. 0.003 min  
Lab File: BG055295.D  
Acq: 26 Oct 2022 11:42

Tgt Ion:244 Resp: 1082978  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.0 9.0  
122 11.0 9.6 14.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.294 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: BG055295.D  
 Acq: 26 Oct 2022 11:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB148564BL

Tgt Ion:264 Resp: 245577  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 21.8 17.4 26.2

