

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042222\  
 Data File : BG053283.D  
 Acq On : 23 Apr 2022 5:17  
 Operator : CG/JU  
 Sample : N2487-08  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 UST-1-E

Quant Time: Apr 24 01:18:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 2022  
 Response via : Initial Calibration

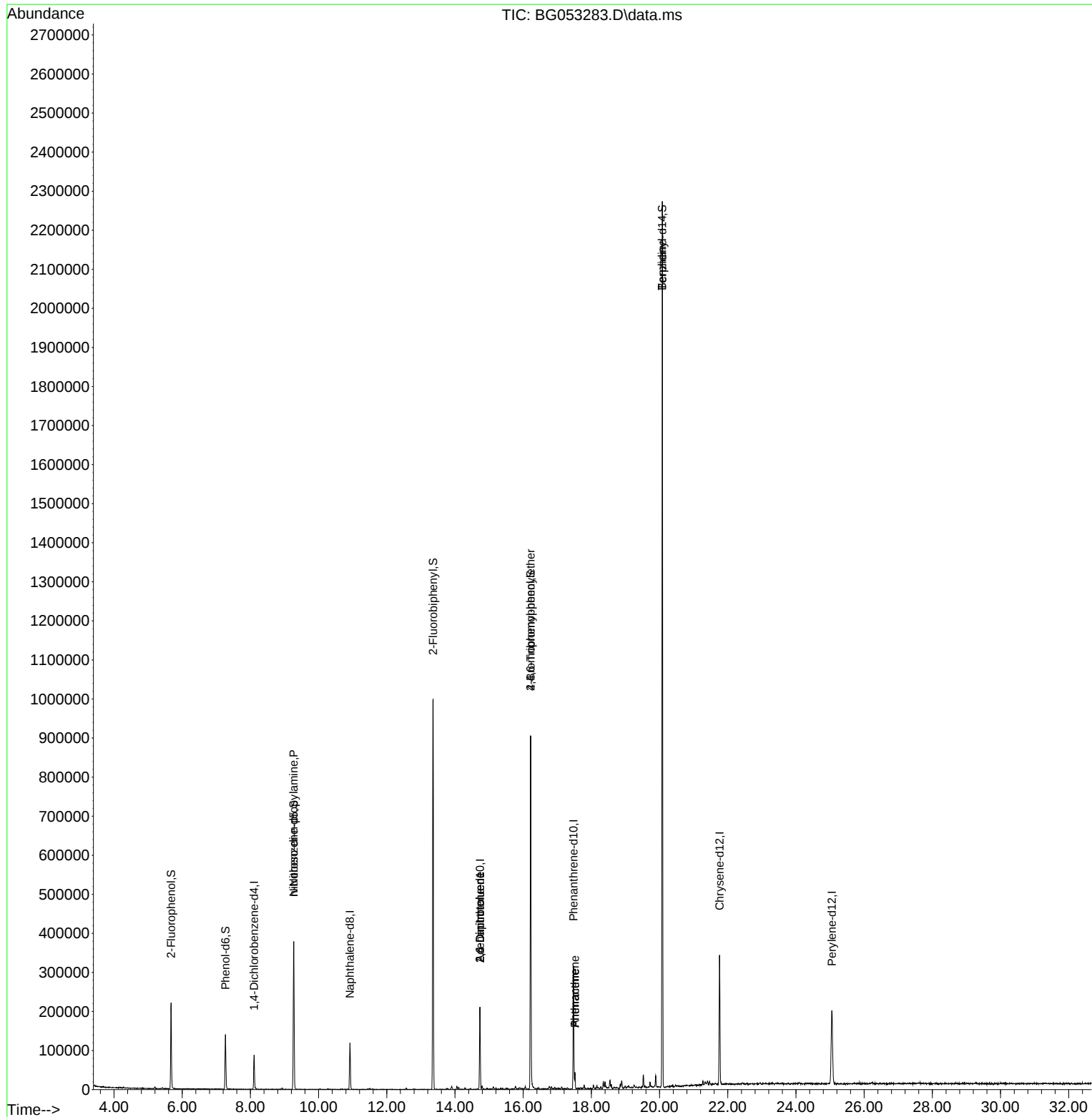
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.106  | 152  | 24285    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.919 | 136  | 96994    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.732 | 164  | 77090    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.475 | 188  | 199820   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.758 | 240  | 215887   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.053 | 264  | 220090   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.674  | 112  | 93233    | 65.810  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.266  | 99   | 83394    | 38.172  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.269  | 82   | 241203   | 100.972 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.218 | 330  | 181887   | 148.301 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.357 | 172  | 545160   | 97.512  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.078 | 244  | 1153886  | 90.270  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.269  | 70   | 34566    | 21.611  | ng    | Qvalue   |
| 51) 2,6-Dinitrotoluene        | 14.732 | 165  | 10778    | 8.379   | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 14.732 | 165  | 10778    | 5.885   | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 16.218 | 248  | 12111    | 4.730   | ng    | # 26     |
| 71) Phenanthrene              | 17.516 | 178  | 26643    | 2.441   | ng    | # 1      |
| 72) Anthracene                | 17.516 | 178  | 26643    | 2.464   | ng    | # 93     |
| 77) Benzidine                 | 20.078 | 184  | 20472    | 3.324   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

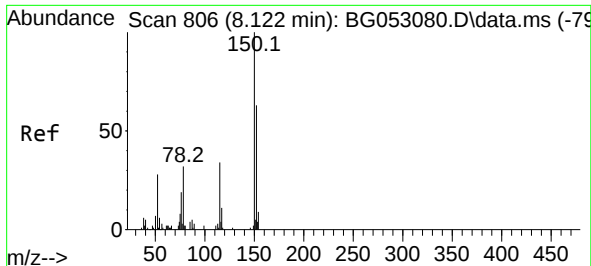
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
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QLast Update : Sun Apr 24 01:13:30 2022  
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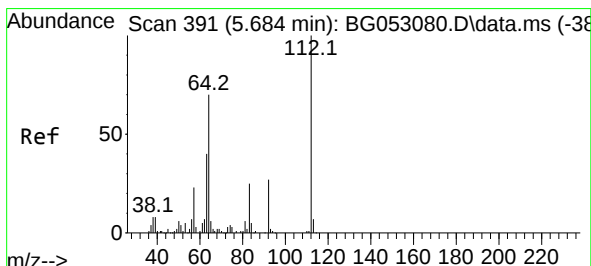
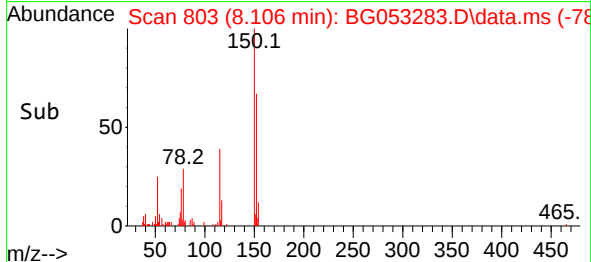
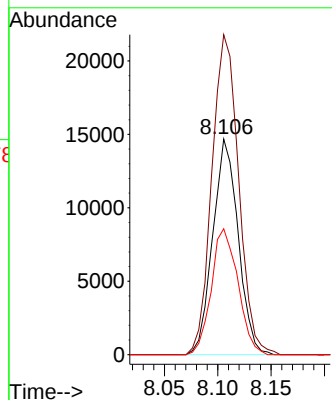
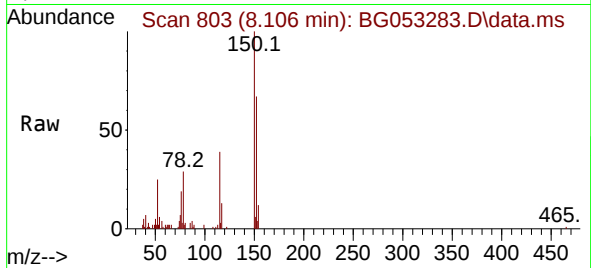




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.106 min Scan# 806  
Delta R.T. -0.007 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

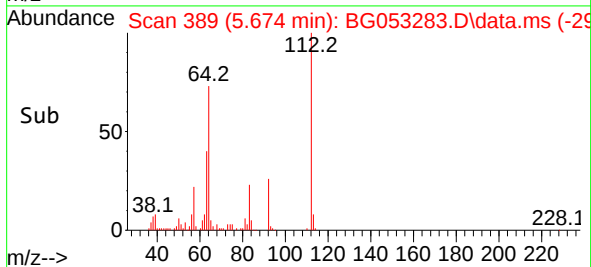
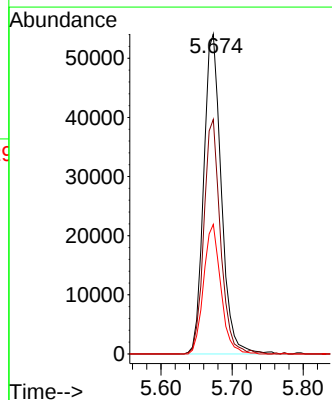
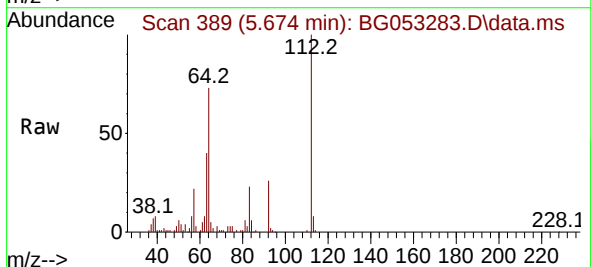
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

Tgt Ion:152 Resp: 24285  
Ion Ratio Lower Upper  
152 100  
150 148.4 114.6 172.0  
115 58.4 45.9 68.9



#5  
2-Fluorophenol  
Concen: 65.810 ng  
RT: 5.674 min Scan# 389  
Delta R.T. -0.002 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion:112 Resp: 93233  
Ion Ratio Lower Upper  
112 100  
64 73.3 48.0 72.0#  
63 40.5 26.5 39.7#

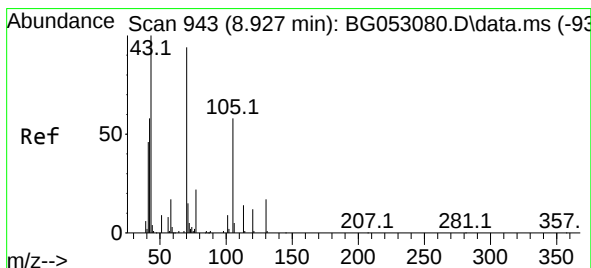
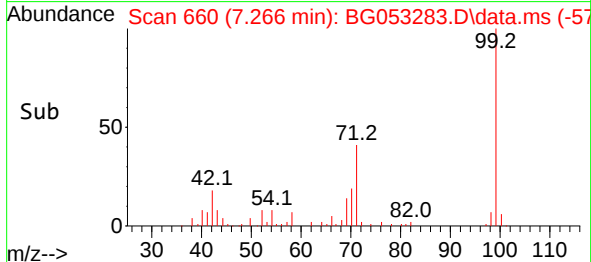
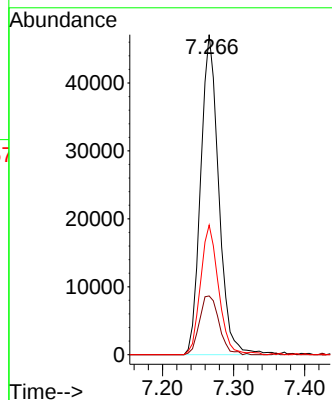
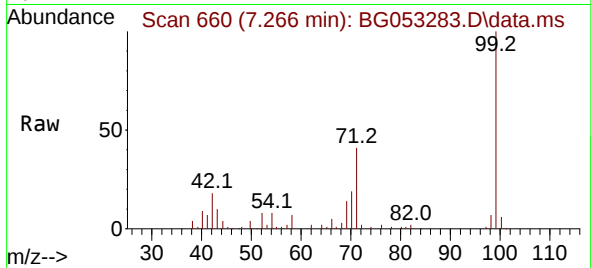




#7  
Phenol-d6  
Concen: 38.172 ng  
RT: 7.266 min Scan# 60  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

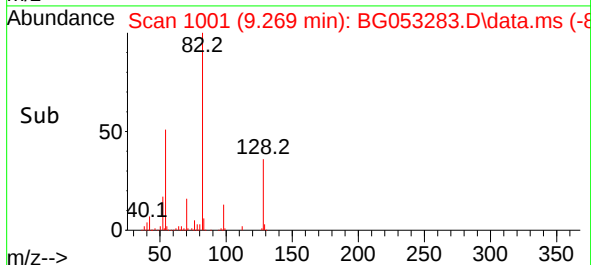
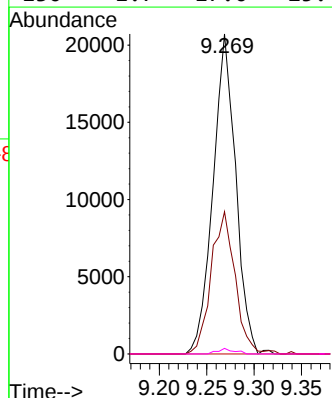
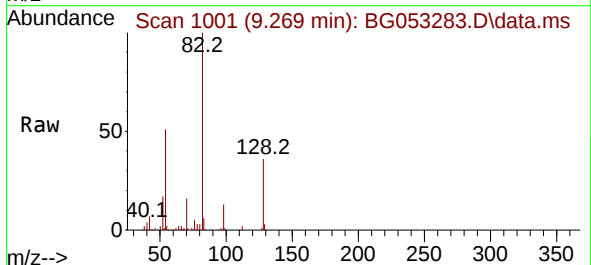
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

Tgt Ion: 99 Resp: 83394  
Ion Ratio Lower Upper  
99 100  
42 18.3 14.7 22.1  
71 40.5 29.2 43.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.611 ng  
RT: 9.269 min Scan# 1001  
Delta R.T. 0.356 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion: 70 Resp: 34566  
Ion Ratio Lower Upper  
70 100  
42 44.4 46.0 69.0#  
101 0.0 6.2 9.4#  
130 1.7 17.0 25.4#

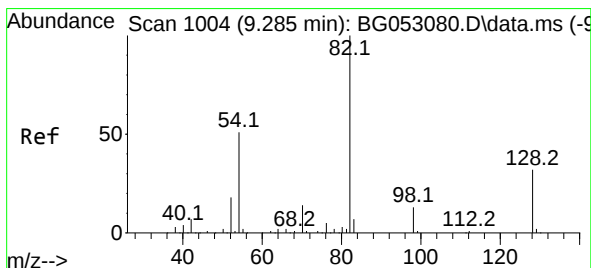
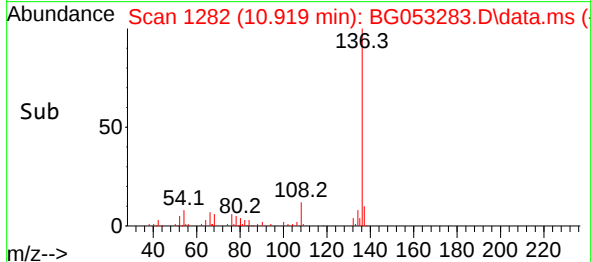
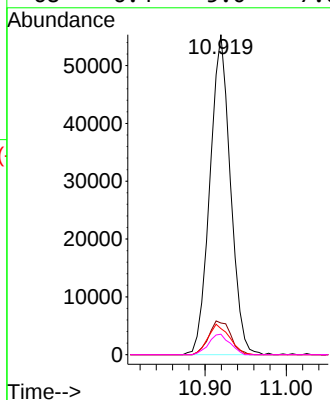
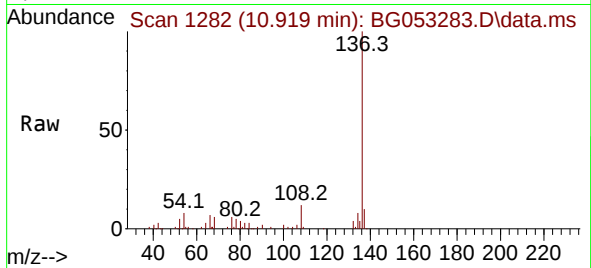




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.919 min Scan# 1001  
Delta R.T. -0.002 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

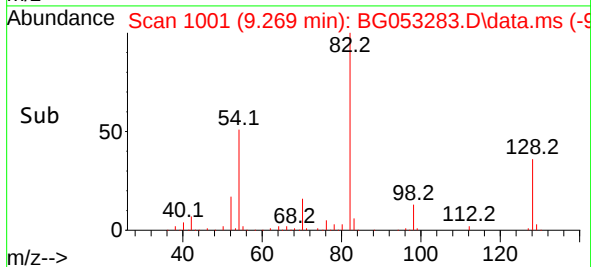
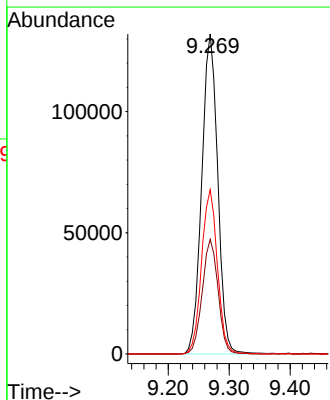
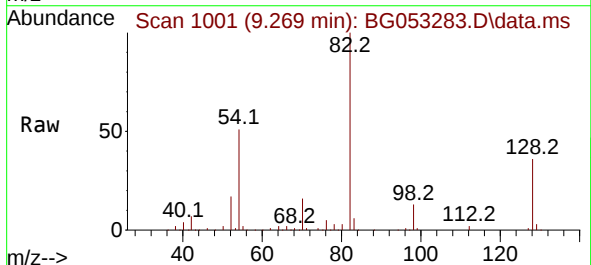
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

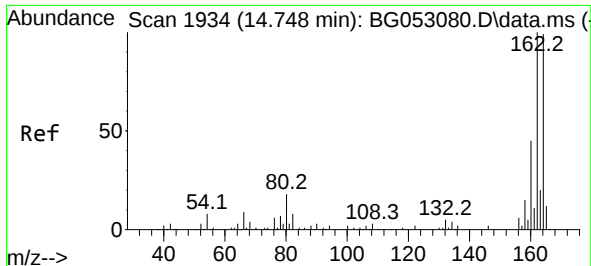
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 96994    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 9.9   | 9.4 14.2 |
| 54          | 8.1   | 6.4 9.6  |
| 68          | 6.4   | 5.0 7.6  |



#23  
Nitrobenzene-d5  
Concen: 100.972 ng  
RT: 9.269 min Scan# 1001  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 241203    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 35.8  | 31.3 46.9 |
| 54          | 51.3  | 37.8 56.8 |

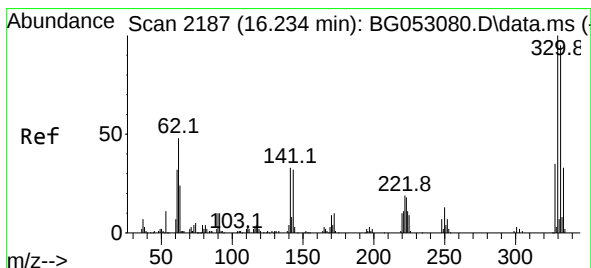
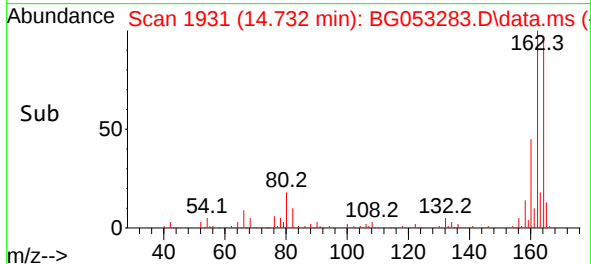
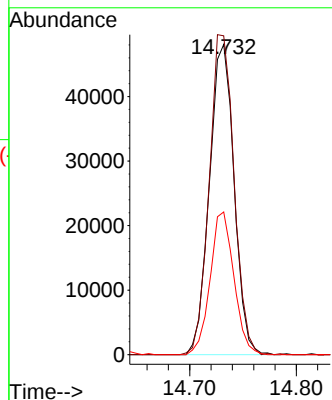
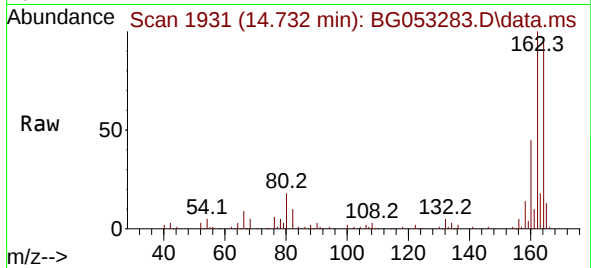




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.732 min Scan# 1931  
Delta R.T. -0.002 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

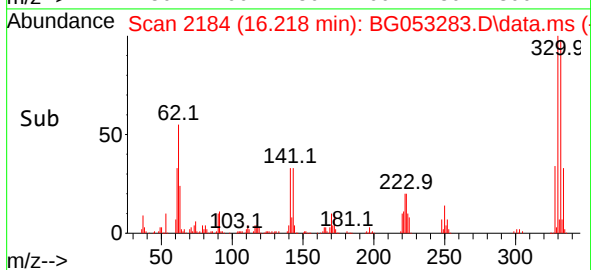
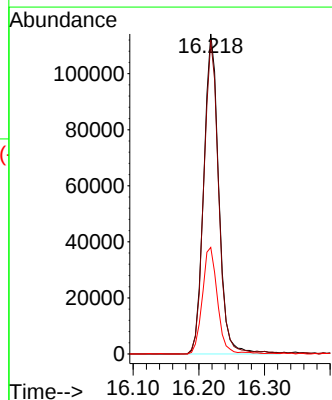
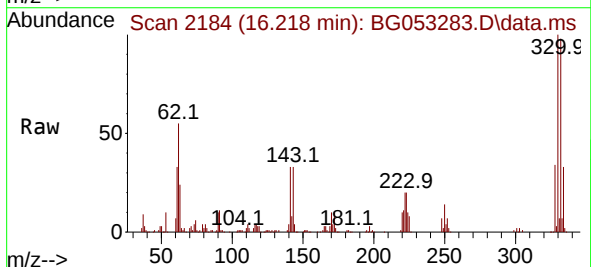
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

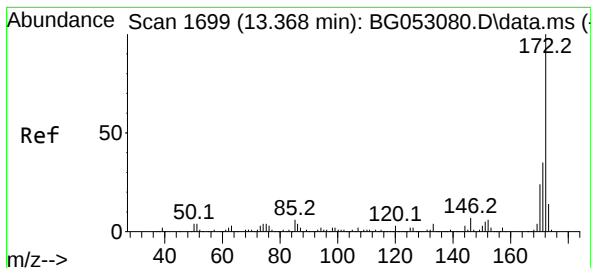
Tgt Ion:164 Resp: 77090  
Ion Ratio Lower Upper  
164 100  
162 102.8 80.0 120.0  
160 46.0 38.8 58.2



#42  
2,4,6-Tribromophenol  
Concen: 148.301 ng  
RT: 16.218 min Scan# 2184  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion:330 Resp: 181887  
Ion Ratio Lower Upper  
330 100  
332 96.3 75.8 113.6  
141 33.6 24.6 36.8

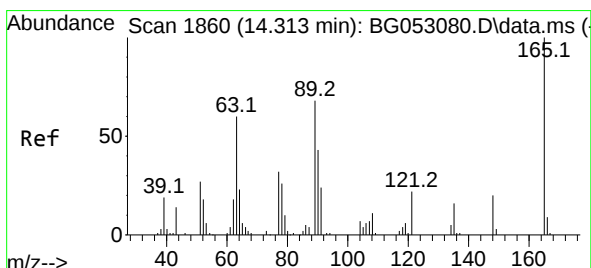
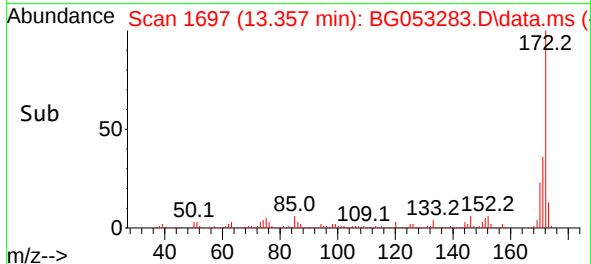
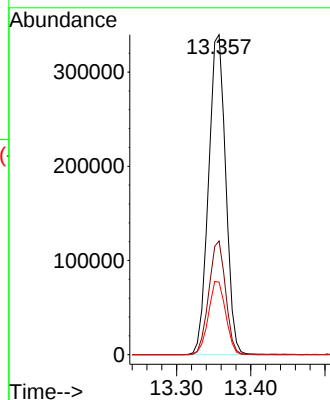
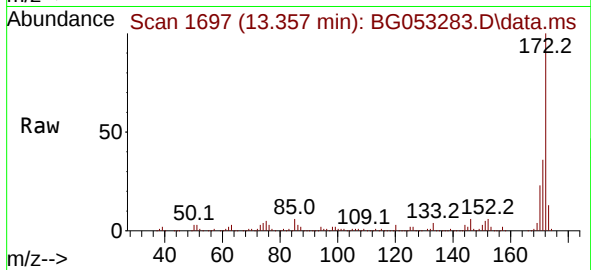




#45  
2-Fluorobiphenyl  
Concen: 97.512 ng  
RT: 13.357 min Scan# 1  
Delta R.T. -0.002 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

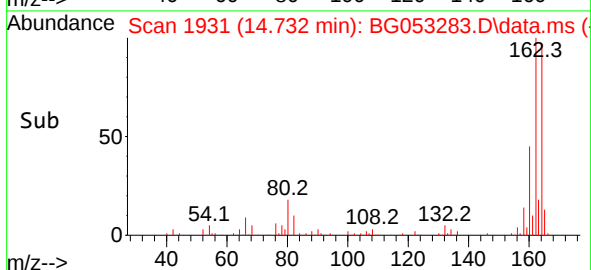
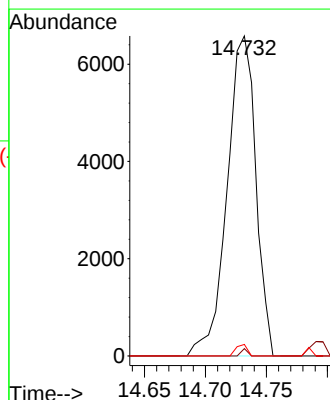
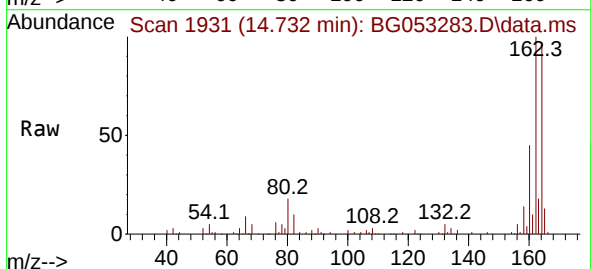
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

Tgt Ion:172 Resp: 545160  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.3 42.5  
170 22.7 18.0 27.0



#51  
2,6-Dinitrotoluene  
Concen: 8.379 ng  
RT: 14.732 min Scan# 1931  
Delta R.T. 0.427 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion:165 Resp: 10778  
Ion Ratio Lower Upper  
165 100  
63 2.3 43.7 65.5#  
89 3.6 45.0 67.4#

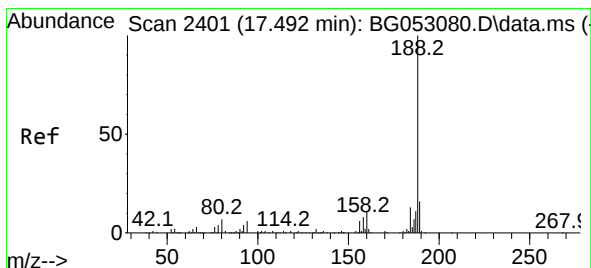
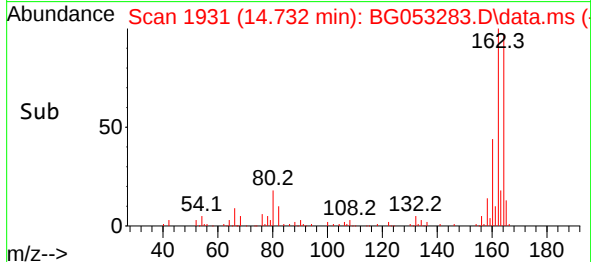
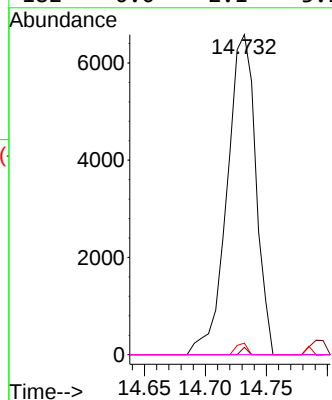
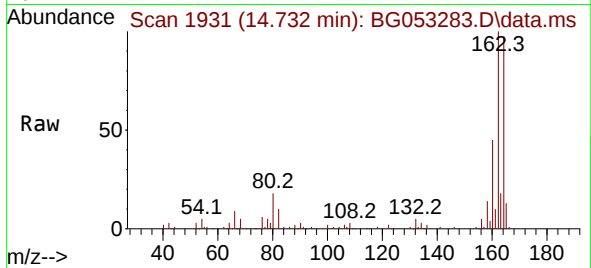




#57  
2,4-Dinitrotoluene  
Concen: 5.885 ng  
RT: 14.732 min Scan# 1994  
Delta R.T. -0.360 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

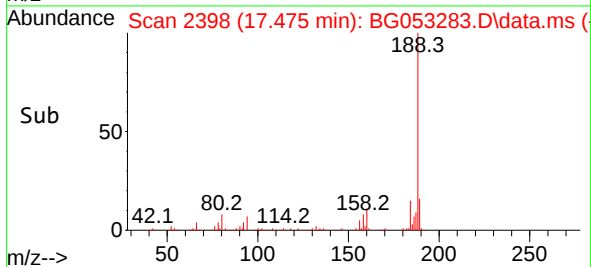
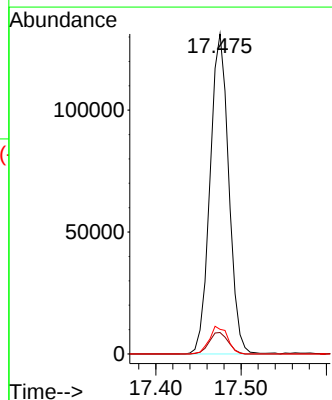
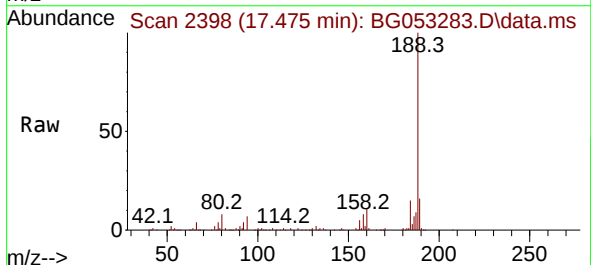
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UST-1-E

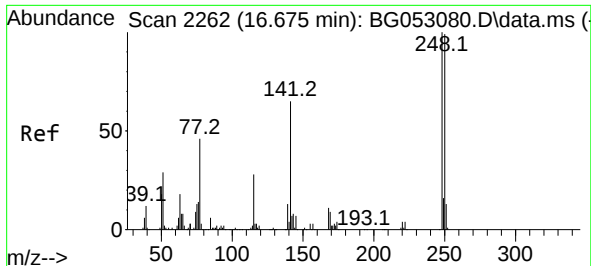
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Ion Ratio Lower Upper  
165 100  
63 2.3 34.8 52.2#  
89 3.6 57.4 86.0#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.475 min Scan# 2398  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion:188 Resp: 199820  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.7 8.5  
80 7.7 7.2 10.8

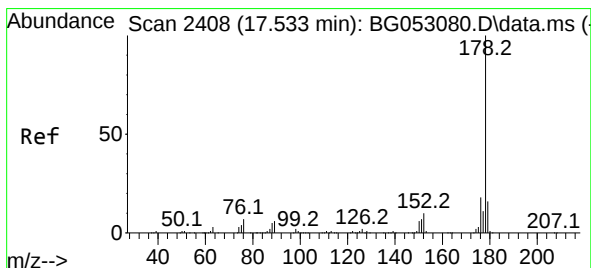
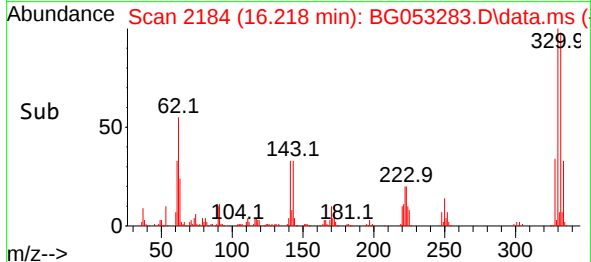
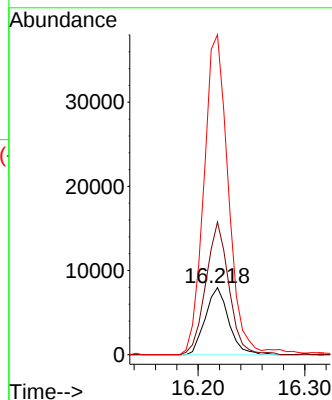
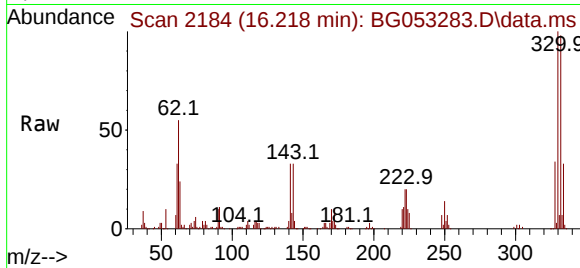




#67  
4-Bromophenyl-phenylether  
Concen: 4.730 ng  
RT: 16.218 min Scan# 2184  
Delta R.T. -0.443 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

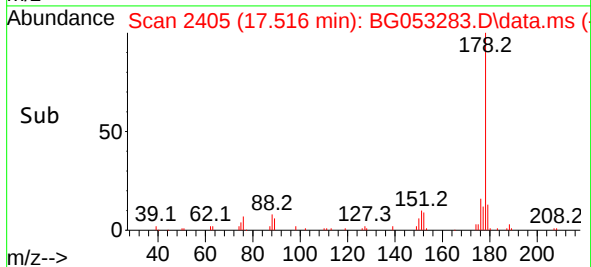
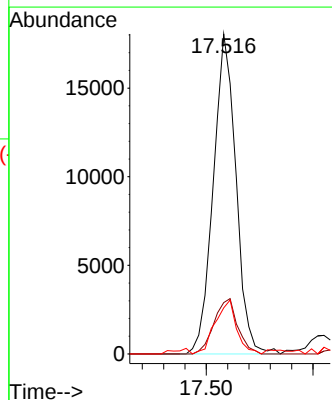
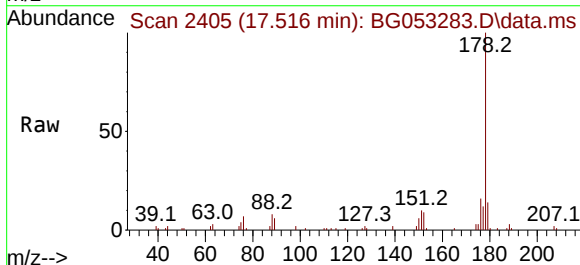
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

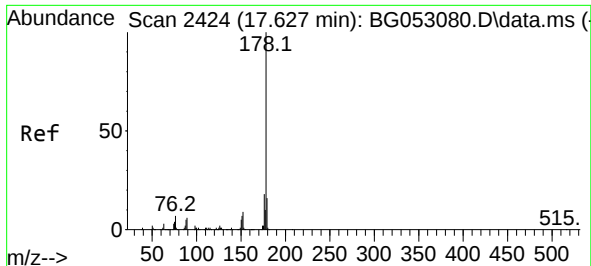
Tgt Ion:248 Resp: 12111  
Ion Ratio Lower Upper  
248 100  
250 197.5 77.9 116.9#  
141 476.7 49.2 73.8#



#71  
Phenanthrene  
Concen: 2.441 ng  
RT: 17.516 min Scan# 2405  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Tgt Ion:178 Resp: 26643  
Ion Ratio Lower Upper  
178 100  
176 16.1 15.9 23.9  
179 14.4 13.4 20.2

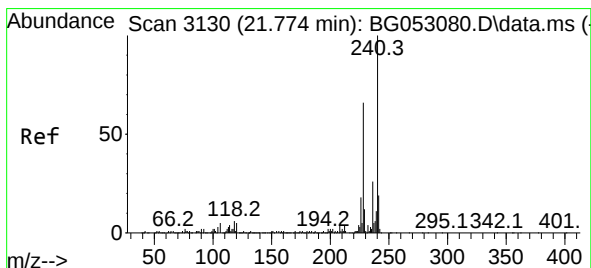
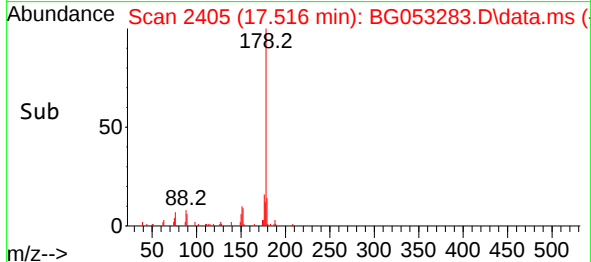
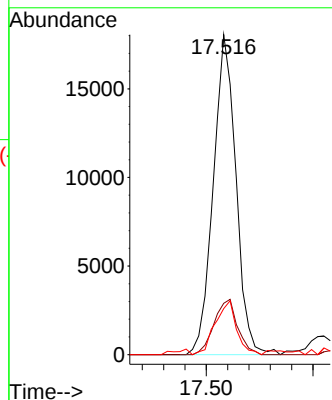
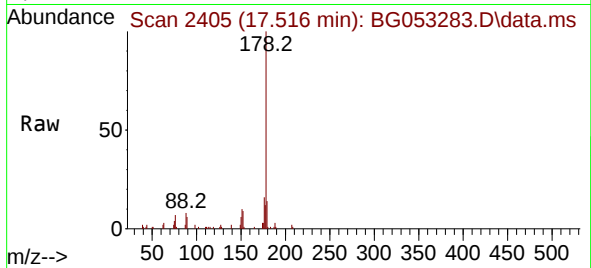




#72  
 Anthracene  
 Concen: 2.464 ng  
 RT: 17.516 min Scan# 2424  
 Delta R.T. -0.096 min  
 Lab File: BG053283.D  
 Acq: 23 Apr 2022 5:17

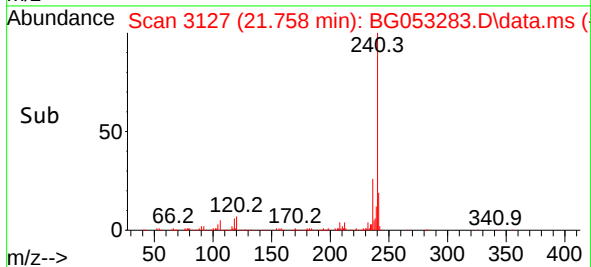
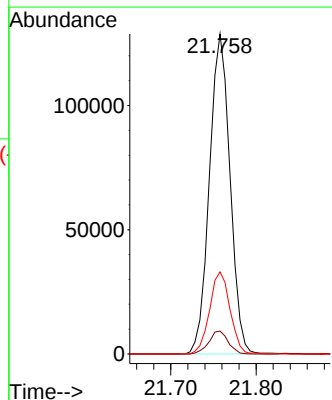
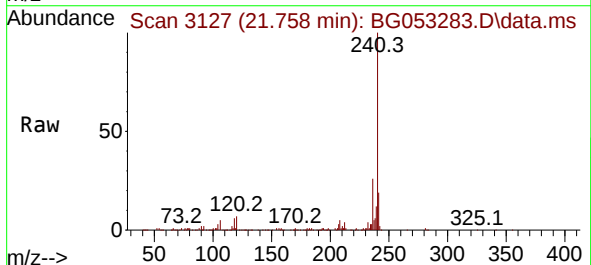
Instrument :  
 BNA\_G  
 ClientSampleId :  
 UST-1-E

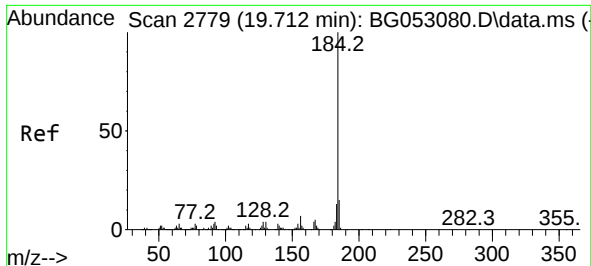
Tgt Ion:178 Resp: 26643  
 Ion Ratio Lower Upper  
 178 100  
 176 16.1 14.7 22.1  
 179 14.4 13.2 19.8



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.758 min Scan# 3127  
 Delta R.T. -0.008 min  
 Lab File: BG053283.D  
 Acq: 23 Apr 2022 5:17

Tgt Ion:240 Resp: 215887  
 Ion Ratio Lower Upper  
 240 100  
 120 7.2 5.4 8.0  
 236 25.7 19.8 29.6

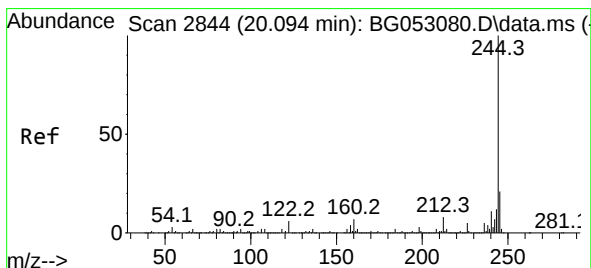
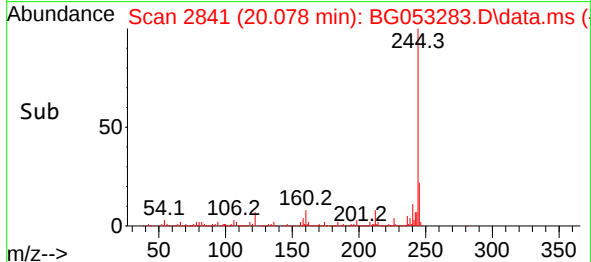
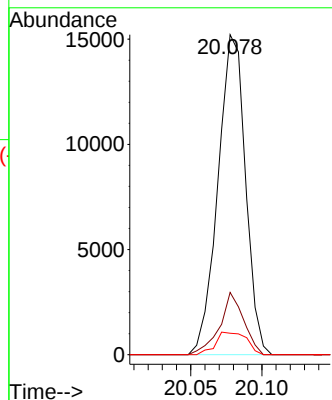
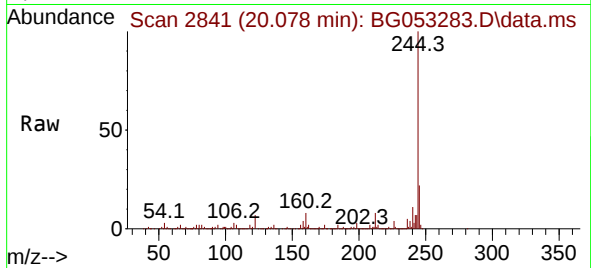




#77  
Benzidine  
Concen: 3.324 ng  
RT: 20.078 min Scan# 2841  
Delta R.T. 0.374 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

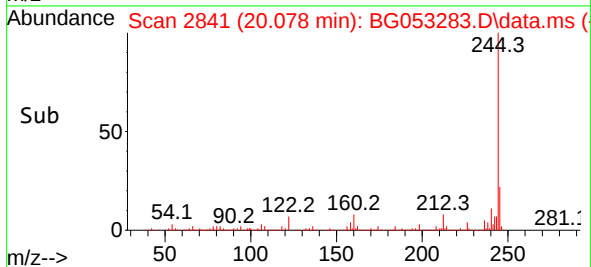
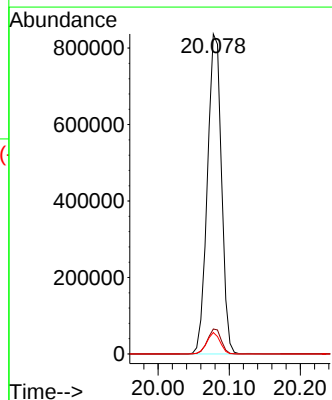
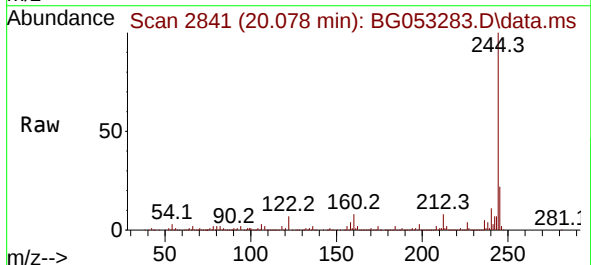
Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E

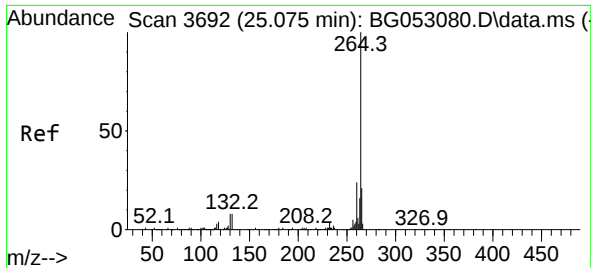
Tgt Ion:184 Resp: 20472  
Ion Ratio Lower Upper  
184 100  
185 19.5 11.5 17.3#  
183 6.7 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 90.270 ng  
RT: 20.078 min Scan# 2841  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

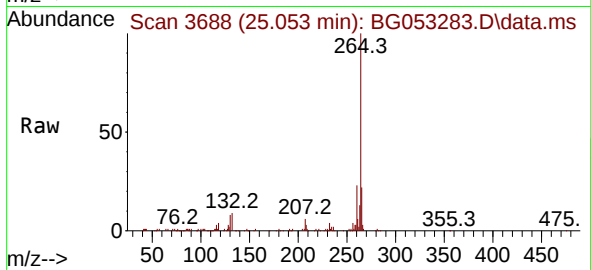
Tgt Ion:244 Resp: 1153886  
Ion Ratio Lower Upper  
244 100  
212 7.8 5.4 8.2  
122 6.7 5.8 8.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.053 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BG053283.D  
Acq: 23 Apr 2022 5:17

Instrument :  
BNA\_G  
ClientSampleId :  
UST-1-E



Tgt Ion:264 Resp: 220090  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.2  | 27.2  |
| 265 | 21.5  | 15.1  | 22.7  |

