

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102822\  
 Data File : BG055357.D  
 Acq On : 29 Oct 2022 1:31  
 Operator : CG/JU  
 Sample : N5235-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LSP-GW-03-DUP

Quant Time: Oct 29 04:57:23 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 29 04:52:38 2022  
 Response via : Initial Calibration

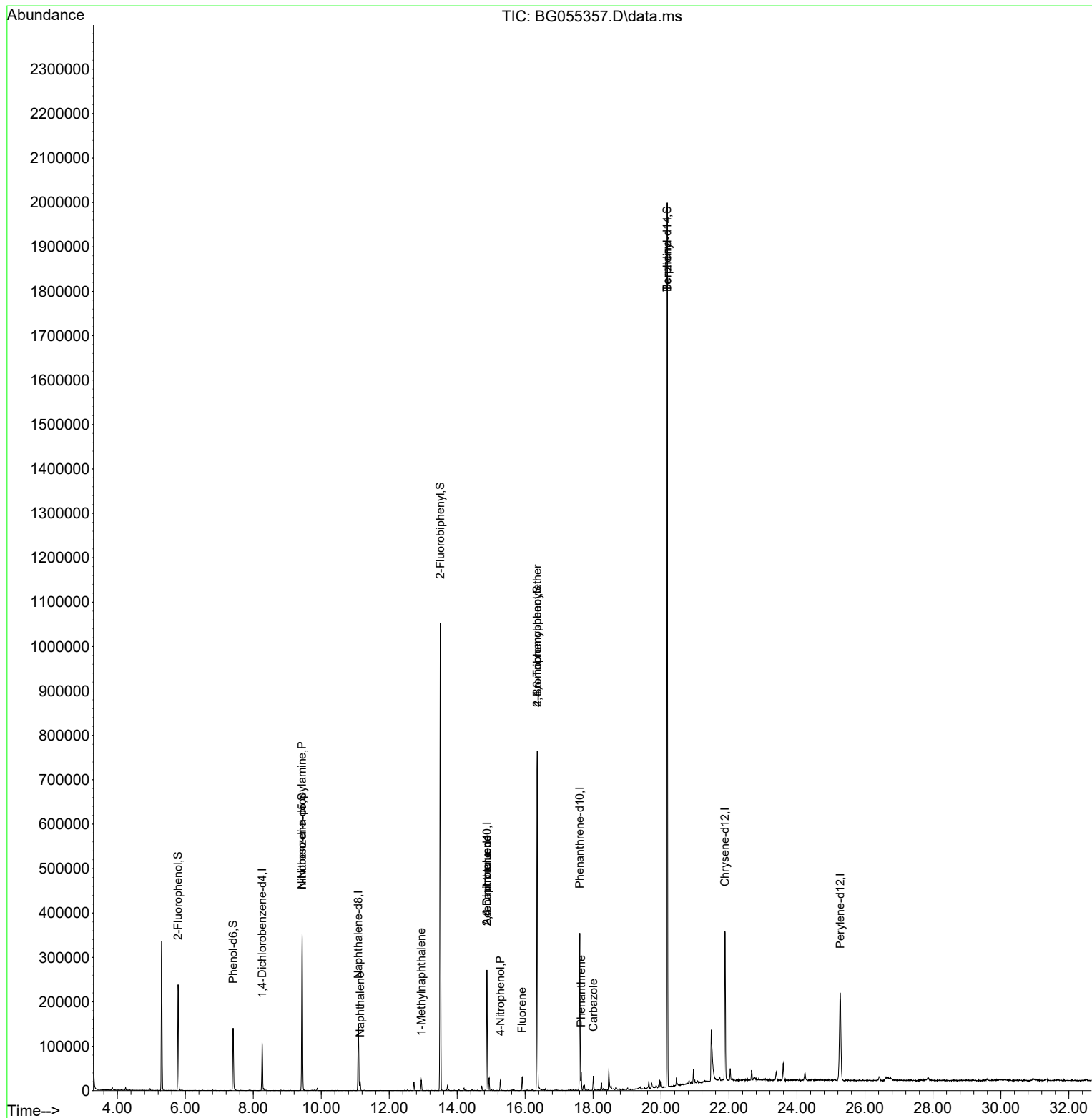
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.259  | 152  | 31677    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.091 | 136  | 133530   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.875 | 164  | 95916    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.607 | 188  | 219074   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.878 | 240  | 213814   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.268 | 264  | 222246   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.785  | 112  | 111185   | 61.458  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.407  | 99   | 90595    | 34.565  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.434  | 82   | 230720   | 88.230  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.355 | 330  | 162775   | 156.111 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.500 | 172  | 554757   | 94.666  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.180 | 244  | 961211   | 93.403  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.434  | 70   | 30653    | 14.084  | ng    | # 77     |
| 31) Naphthalene               | 11.144 | 128  | 18710    | 2.627   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.942 | 142  | 12089    | 2.386   | ng    | 94       |
| 51) 2,6-Dinitrotoluene        | 14.875 | 165  | 12395    | 8.089   | ng    | # 19     |
| 56) 4-Nitrophenol             | 15.268 | 139  | 5826     | 4.229   | ng    | # 5      |
| 57) 2,4-Dinitrotoluene        | 14.875 | 165  | 12395    | 5.574   | ng    | # 18     |
| 58) Fluorene                  | 15.909 | 166  | 14820    | 2.080   | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.355 | 248  | 10336    | 4.856   | ng    | # 1      |
| 71) Phenanthrene              | 17.648 | 178  | 24126    | 2.065   | ng    | 99       |
| 73) Carbazole                 | 18.006 | 167  | 22135    | 2.015   | ng    | 98       |
| 77) Benzidine                 | 20.180 | 184  | 14181    | 2.739   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

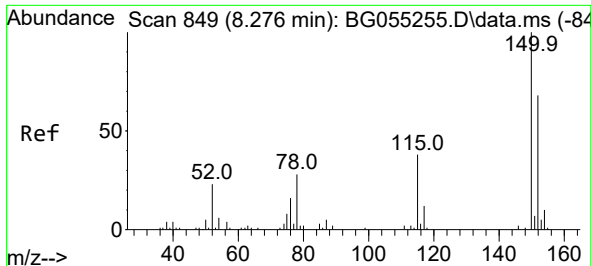
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102822\  
Data File : BG055357.D  
Acq On : 29 Oct 2022 1:31  
Operator : CG/JU  
Sample : N5235-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

Quant Time: Oct 29 04:57:23 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 29 04:52:38 2022  
Response via : Initial Calibration

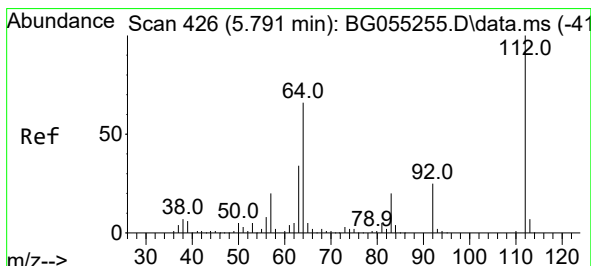
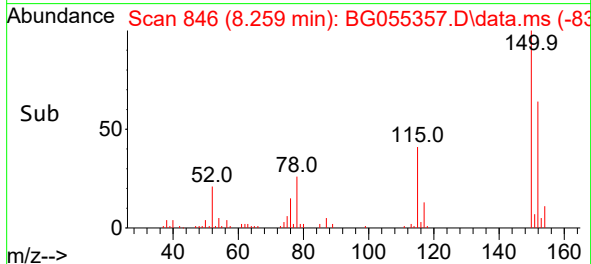
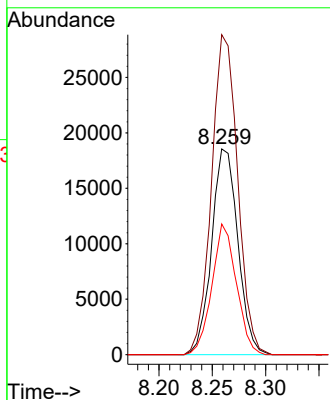
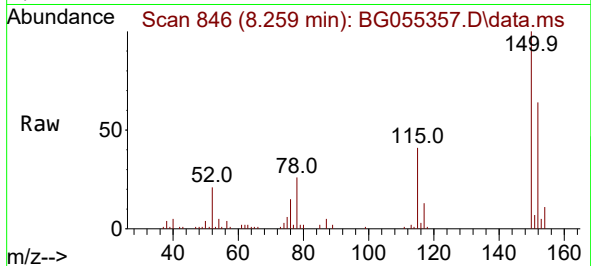




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.259 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

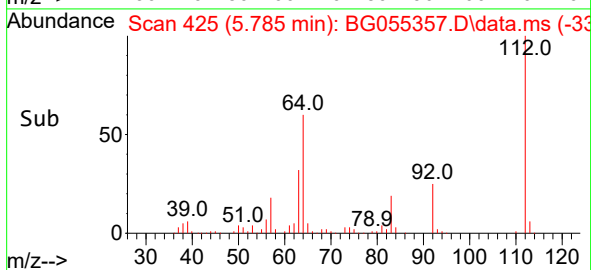
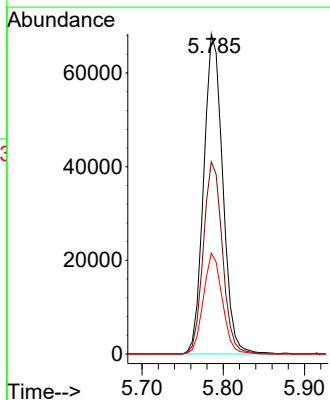
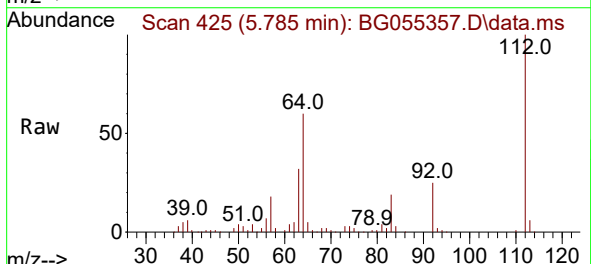
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

Tgt Ion:152 Resp: 31677  
Ion Ratio Lower Upper  
152 100  
150 155.5 118.2 177.4  
115 63.5 44.5 66.7



#5  
2-Fluorophenol  
Concen: 61.458 ng  
RT: 5.785 min Scan# 425  
Delta R.T. -0.000 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:112 Resp: 111185  
Ion Ratio Lower Upper  
112 100  
64 60.1 52.6 78.8  
63 31.5 27.1 40.7

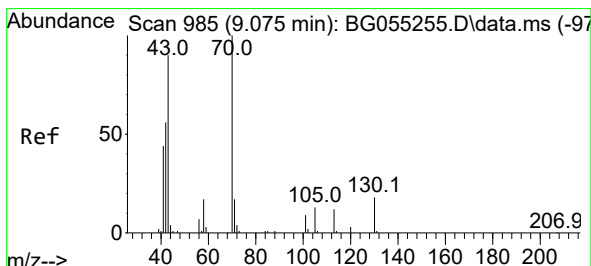
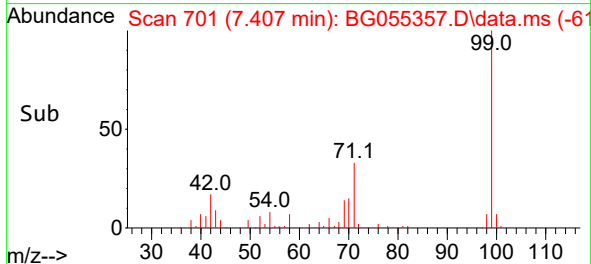
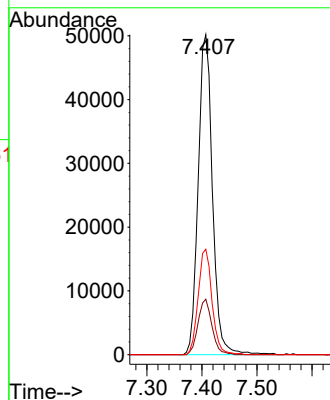
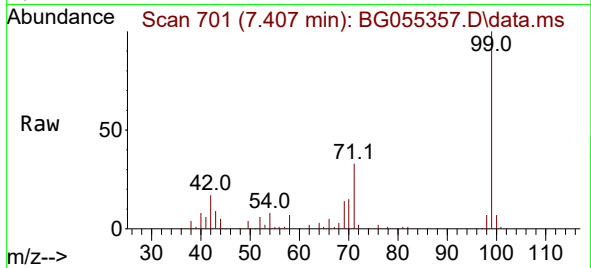




#7  
Phenol-d6  
Concen: 34.565 ng  
RT: 7.407 min Scan# 702  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

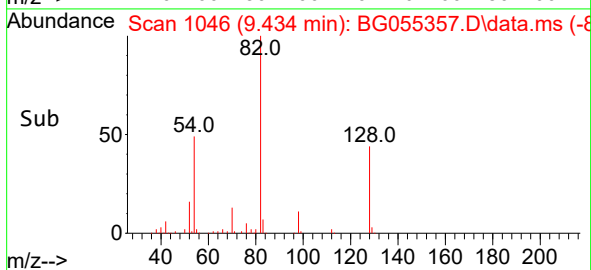
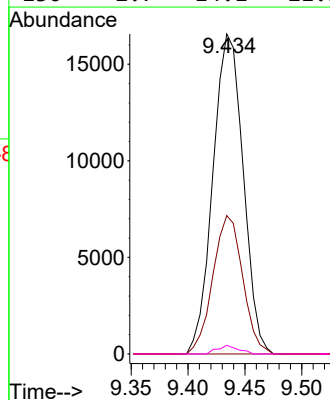
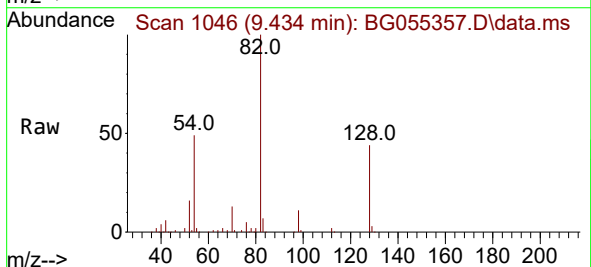
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

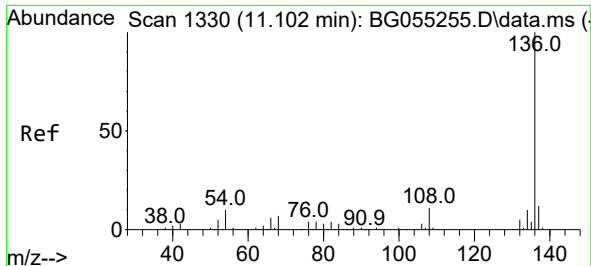
Tgt Ion: 99 Resp: 90595  
Ion Ratio Lower Upper  
99 100  
42 17.3 15.2 22.8  
71 33.0 26.2 39.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.084 ng  
RT: 9.434 min Scan# 1046  
Delta R.T. 0.364 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion: 70 Resp: 30653  
Ion Ratio Lower Upper  
70 100  
42 43.3 45.8 68.6#  
101 0.0 7.4 11.0#  
130 2.7 14.1 21.1#

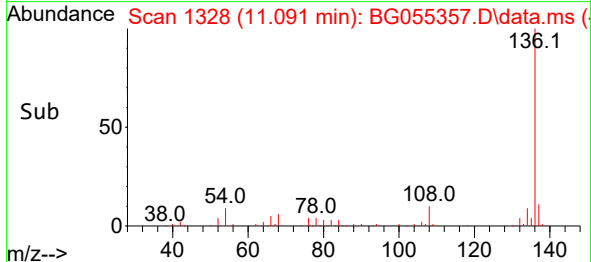
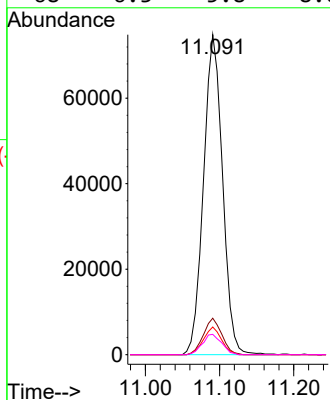
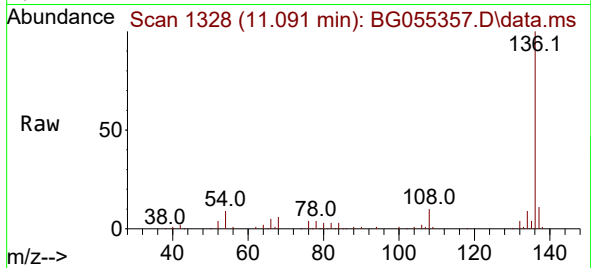




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.091 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

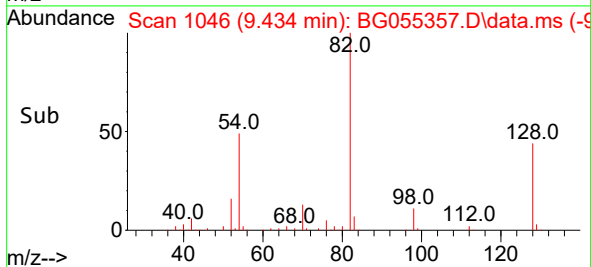
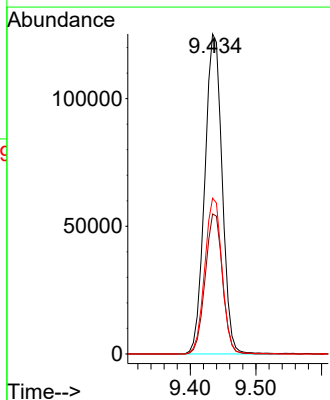
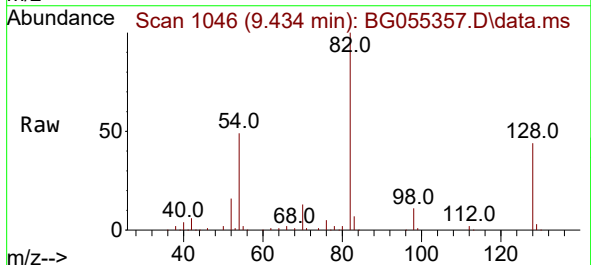
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

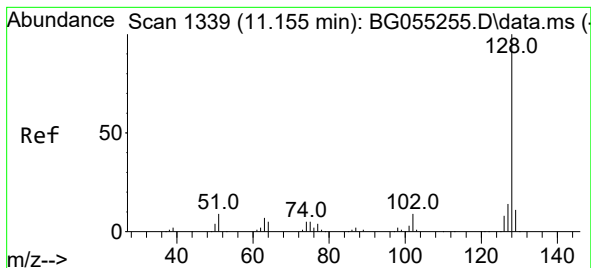
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 133530 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.4  | 9.2   | 13.8   |
| 54        | 8.7   | 7.8   | 11.8   |
| 68        | 6.3   | 5.8   | 8.6    |



#23  
Nitrobenzene-d5  
Concen: 88.230 ng  
RT: 9.434 min Scan# 1046  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 230720 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.7  | 32.0  | 48.0   |
| 54        | 48.7  | 40.9  | 61.3   |

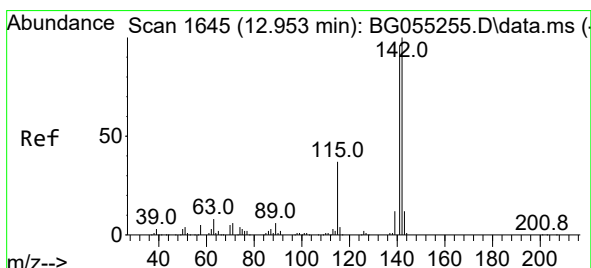
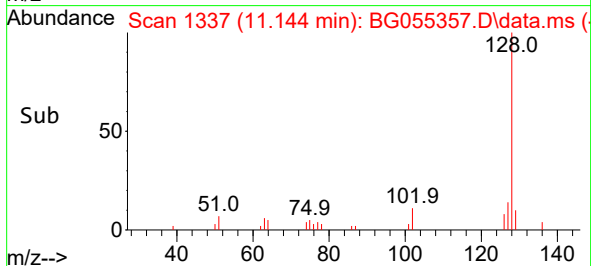
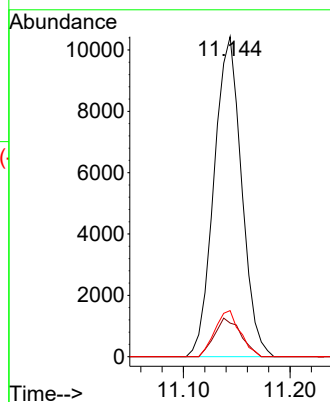
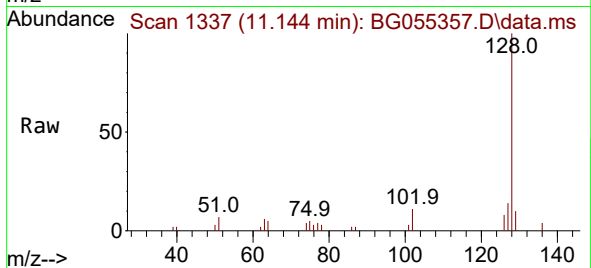




#31  
Naphthalene  
Concen: 2.627 ng  
RT: 11.144 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

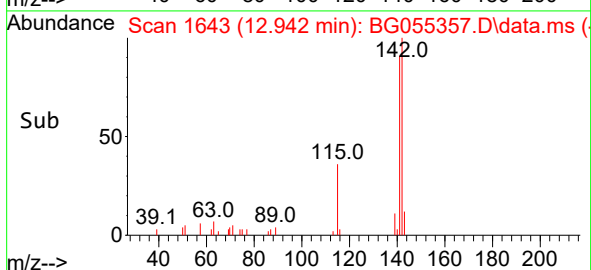
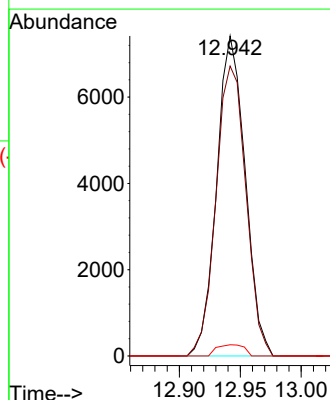
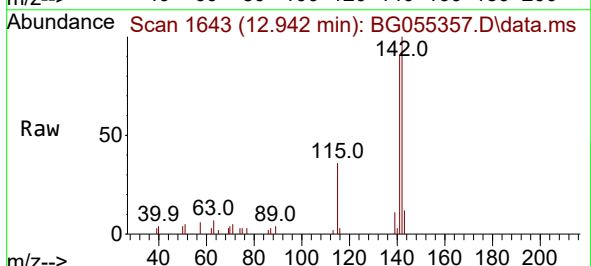
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

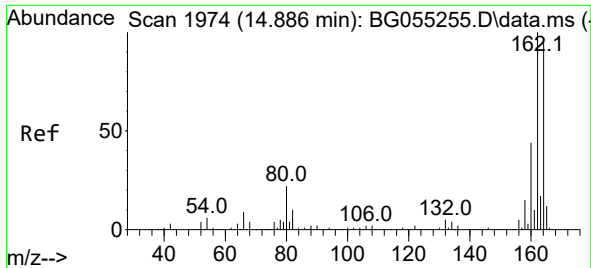
Tgt Ion:128 Resp: 18710  
Ion Ratio Lower Upper  
128 100  
129 10.5 9.0 13.6  
127 14.4 11.1 16.7



#38  
1-Methylnaphthalene  
Concen: 2.386 ng  
RT: 12.942 min Scan# 1643  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:142 Resp: 12089  
Ion Ratio Lower Upper  
142 100  
141 90.6 77.1 115.7  
116 3.5 3.0 4.6

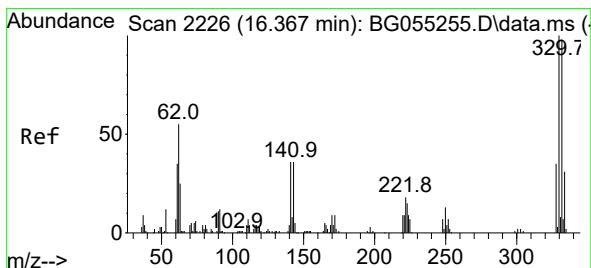
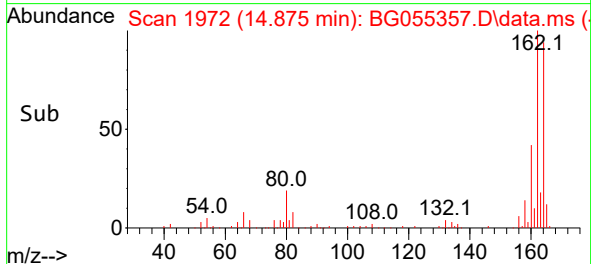
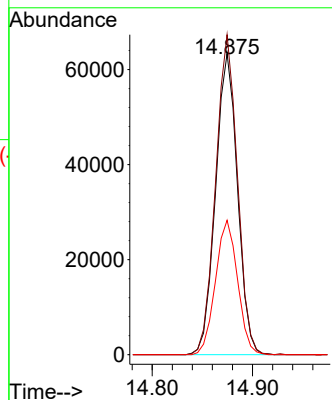
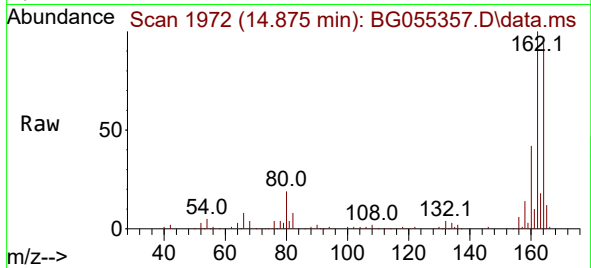




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.875 min Scan# 1974  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

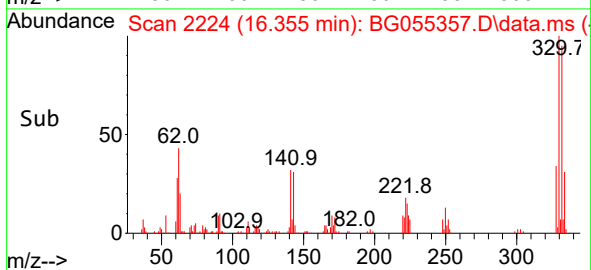
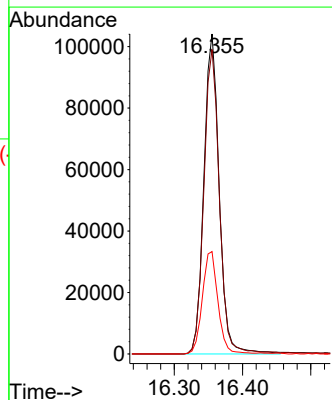
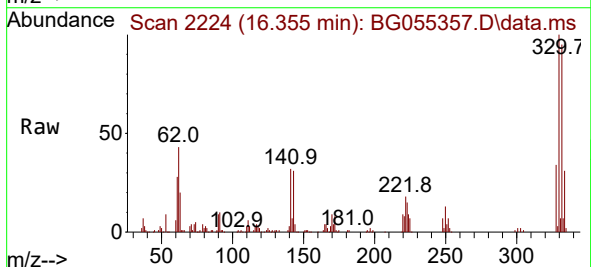
Instrument :  
BNA\_G  
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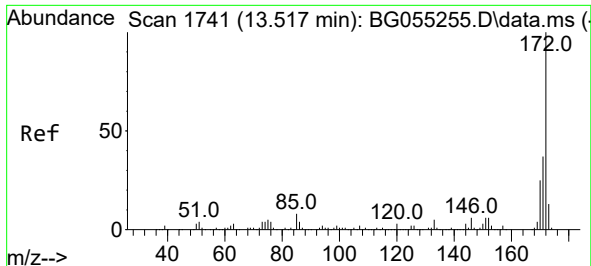
Tgt Ion:164 Resp: 95916  
Ion Ratio Lower Upper  
164 100  
162 106.3 84.0 126.0  
160 44.6 36.7 55.1



#42  
2,4,6-Tribromophenol  
Concen: 156.111 ng  
RT: 16.355 min Scan# 2224  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:330 Resp: 162775  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.4 116.0  
141 32.6 29.8 44.8

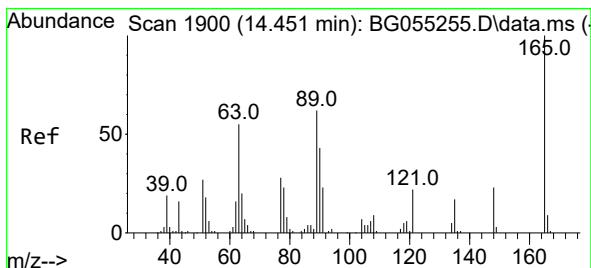
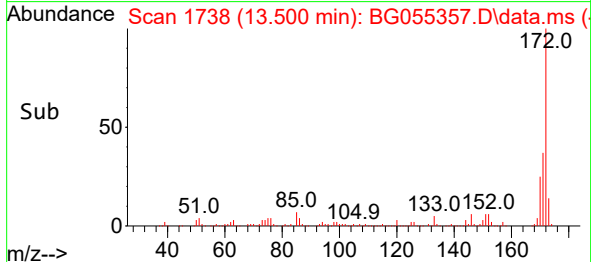
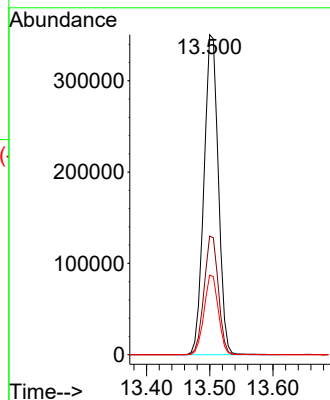
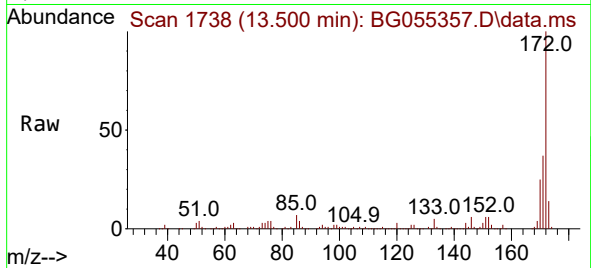




#45  
2-Fluorobiphenyl  
Concen: 94.666 ng  
RT: 13.500 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

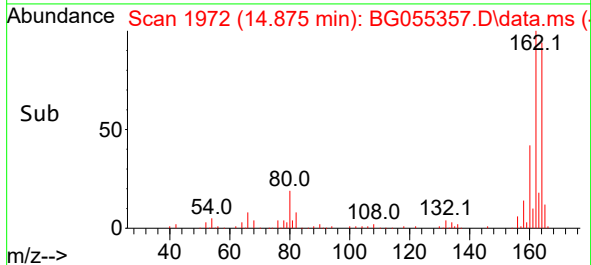
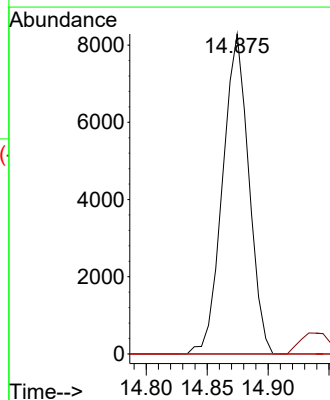
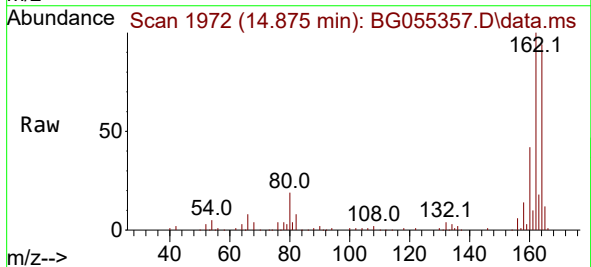
Instrument :  
BNA\_G  
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LSP-GW-03-DUP

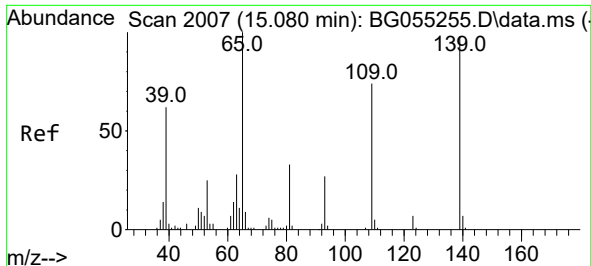
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Ion Ratio Lower Upper  
172 100  
171 37.1 29.7 44.5  
170 24.9 20.2 30.2



#51  
2,6-Dinitrotoluene  
Concen: 8.089 ng  
RT: 14.875 min Scan# 1972  
Delta R.T. 0.423 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:165 Resp: 12395  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.2 73.8#  
89 0.0 49.9 74.9#

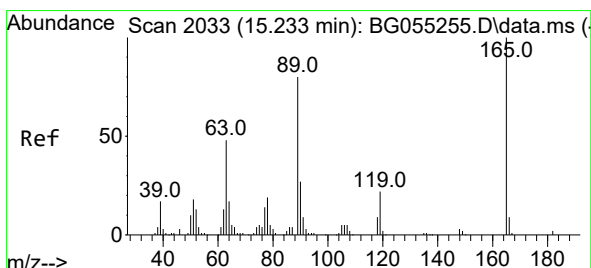
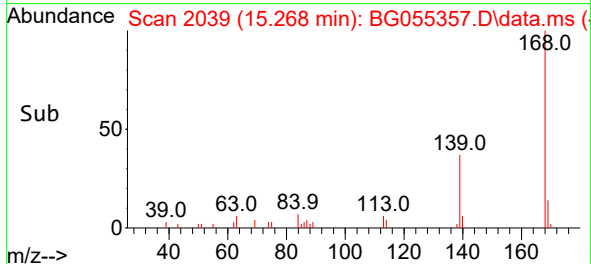
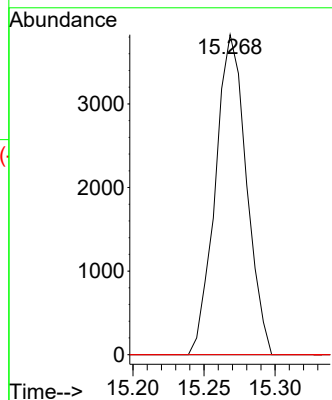
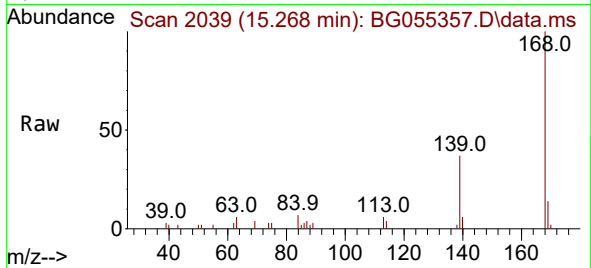




#56  
4-Nitrophenol  
Concen: 4.229 ng  
RT: 15.268 min Scan# 20  
Delta R.T. 0.182 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

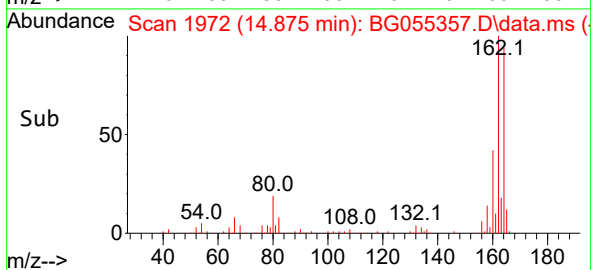
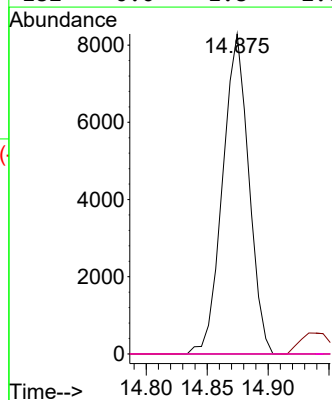
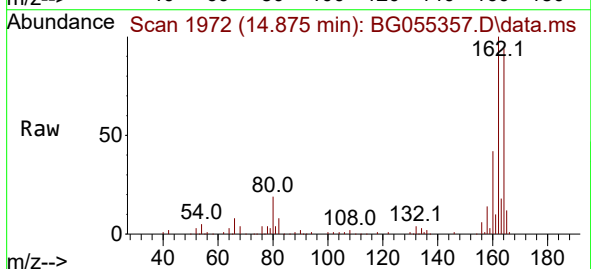
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

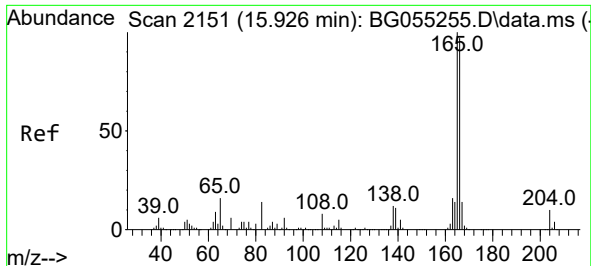
Tgt Ion:139 Resp: 5826  
Ion Ratio Lower Upper  
139 100  
109 0.0 55.4 95.4#  
65 0.0 81.6 121.6#



#57  
2,4-Dinitrotoluene  
Concen: 5.574 ng  
RT: 14.875 min Scan# 1972  
Delta R.T. -0.359 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:165 Resp: 12395  
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#

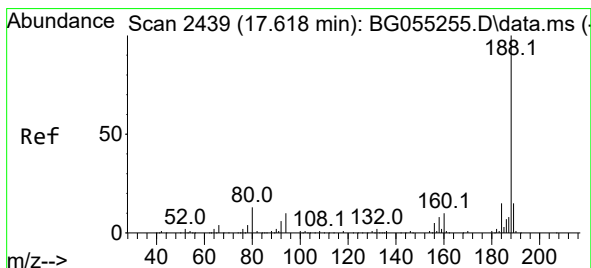
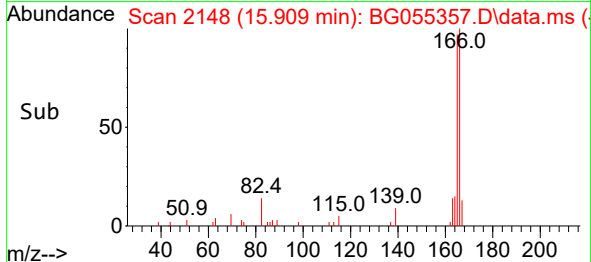
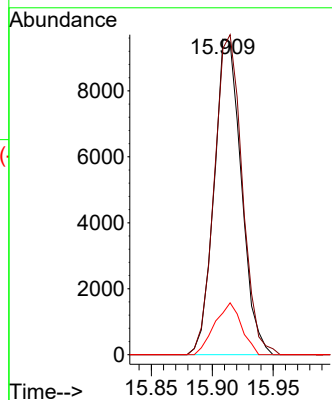
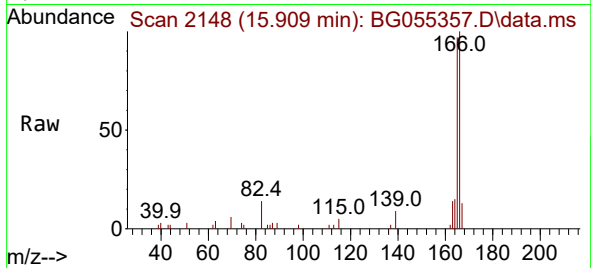




#58  
Fluorene  
Concen: 2.080 ng  
RT: 15.909 min Scan# 2151  
Delta R.T. -0.012 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

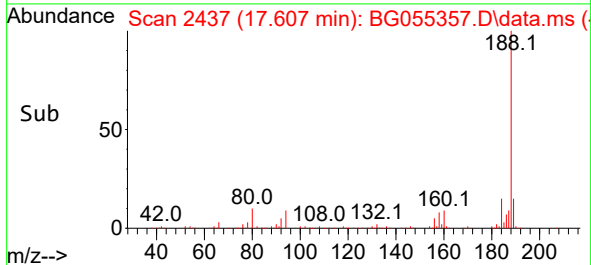
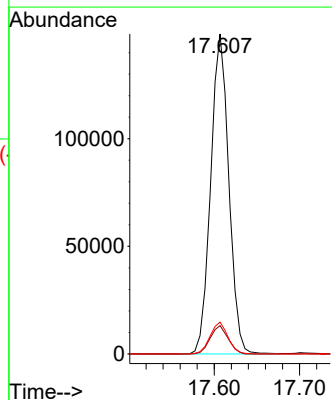
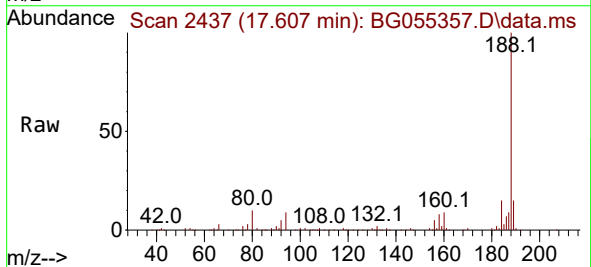
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

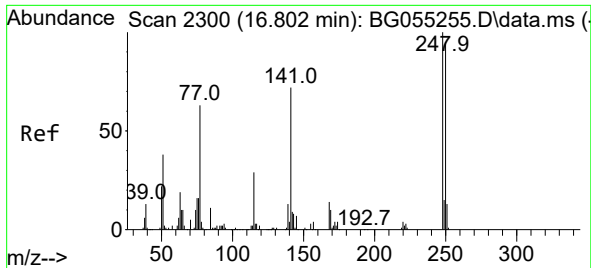
Tgt Ion:166 Resp: 14820  
Ion Ratio Lower Upper  
166 100  
165 97.1 82.4 123.6  
167 13.2 11.5 17.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.607 min Scan# 2437  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:188 Resp: 219074  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.2 12.4  
80 10.0 10.1 15.1#

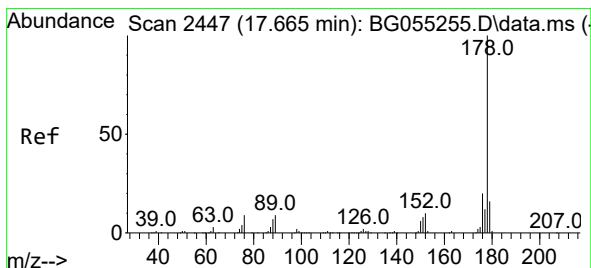
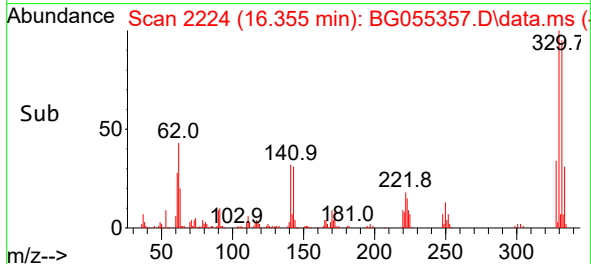
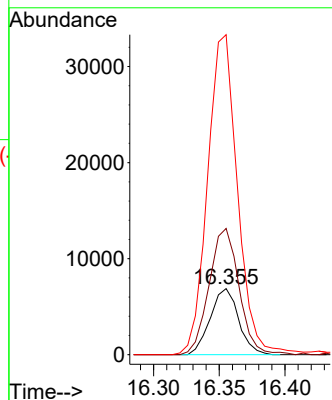
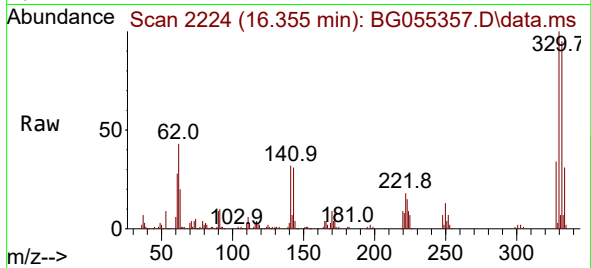




#67  
4-Bromophenyl-phenylether  
Concen: 4.856 ng  
RT: 16.355 min Scan# 211  
Delta R.T. -0.441 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

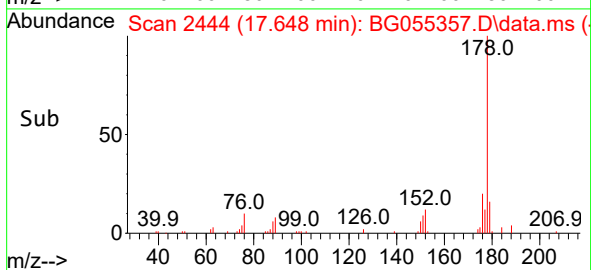
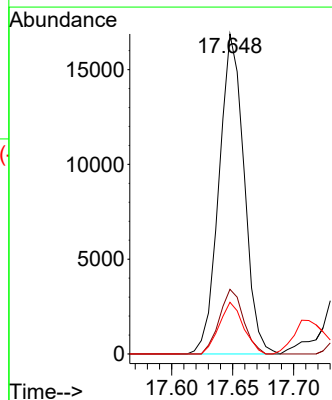
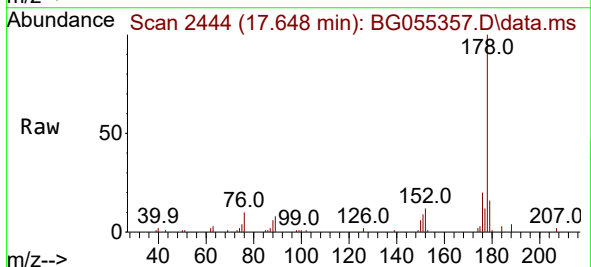
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

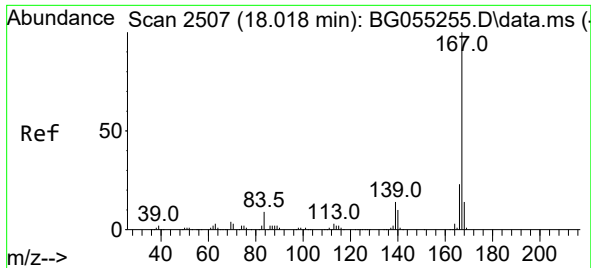
Tgt Ion:248 Resp: 10336  
Ion Ratio Lower Upper  
248 100  
250 191.3 76.0 114.0#  
141 484.7 58.0 87.0#



#71  
Phenanthrene  
Concen: 2.065 ng  
RT: 17.648 min Scan# 2444  
Delta R.T. -0.012 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

Tgt Ion:178 Resp: 24126  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.0 24.0  
179 16.1 12.6 19.0

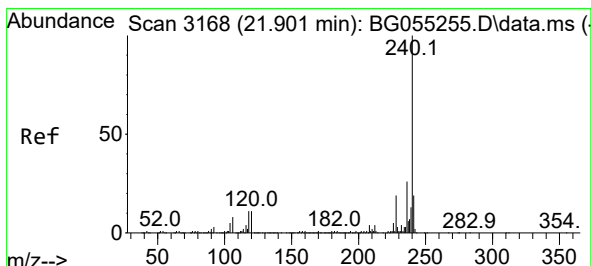
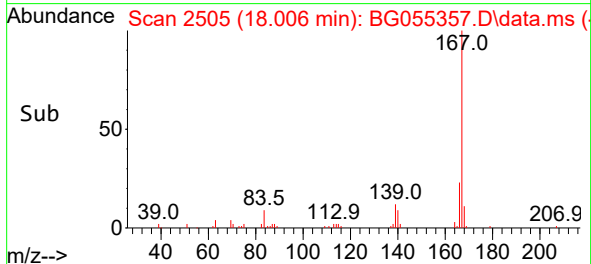
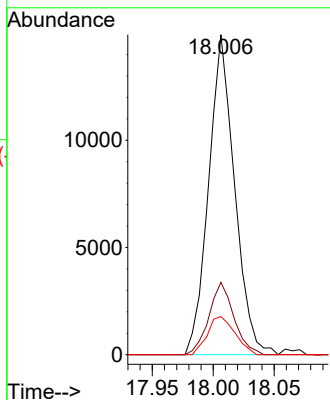
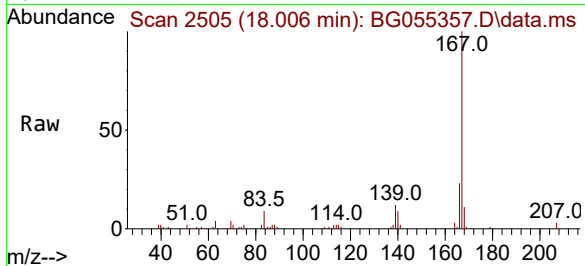




#73  
 Carbazole  
 Concen: 2.015 ng  
 RT: 18.006 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG055357.D  
 Acq: 29 Oct 2022 1:31

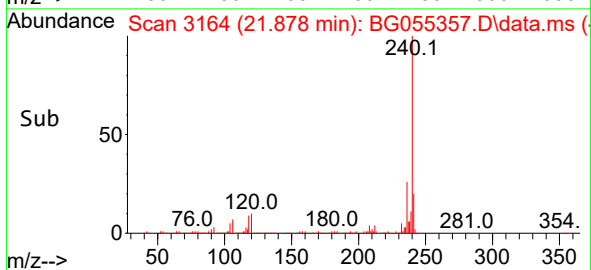
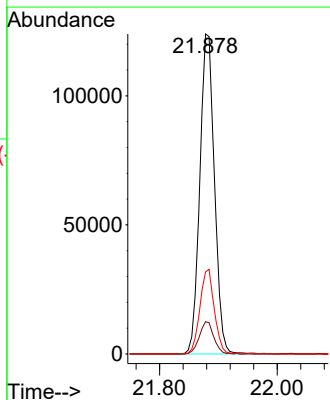
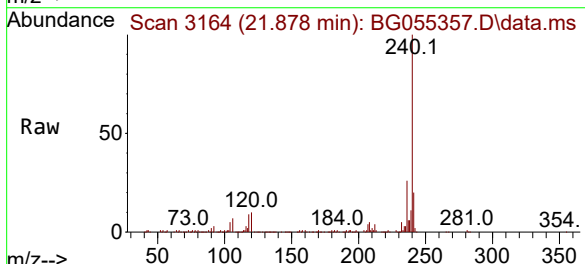
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LSP-GW-03-DUP

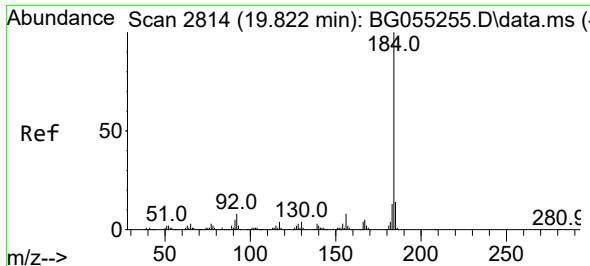
Tgt Ion:167 Resp: 22135  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 18.6 27.8  
 139 11.9 10.9 16.3



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.878 min Scan# 3164  
 Delta R.T. -0.012 min  
 Lab File: BG055357.D  
 Acq: 29 Oct 2022 1:31

Tgt Ion:240 Resp: 213814  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 8.9 13.3  
 236 25.6 21.0 31.4

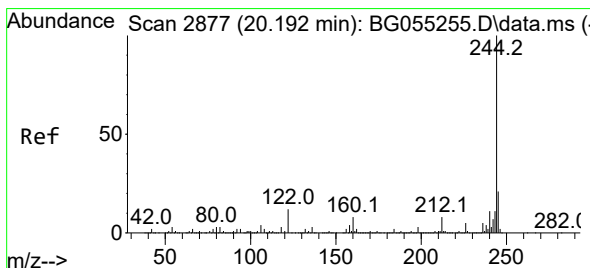
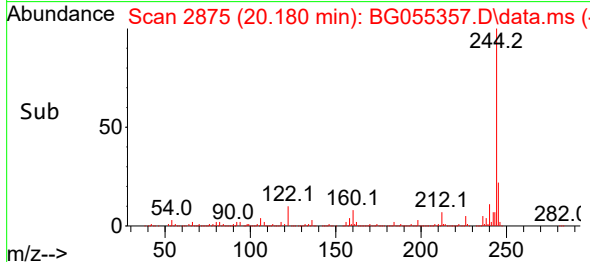
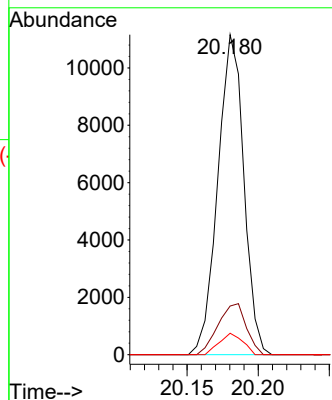
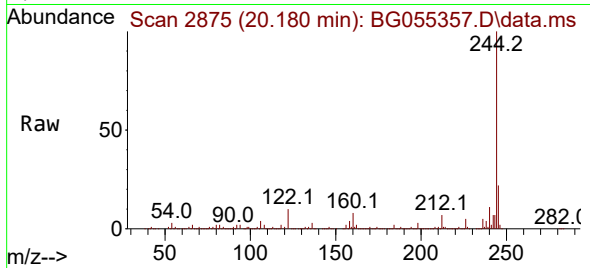




#77  
Benzidine  
Concen: 2.739 ng  
RT: 20.180 min Scan# 2814  
Delta R.T. 0.364 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

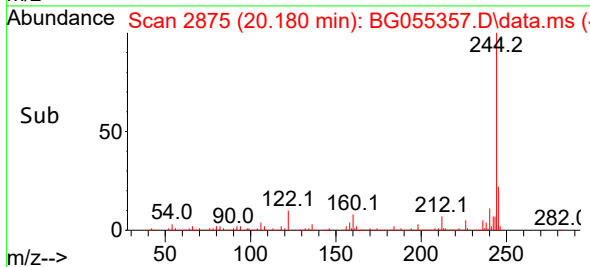
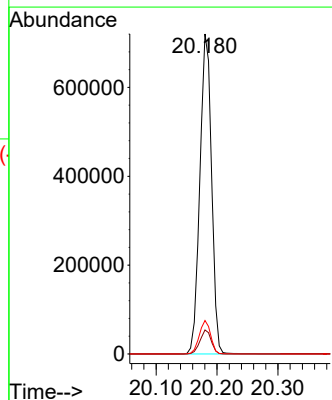
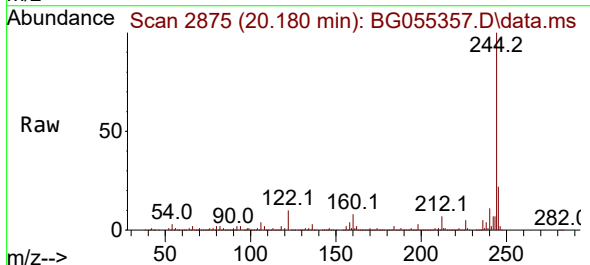
Instrument :  
BNA\_G  
ClientSampleId :  
LSP-GW-03-DUP

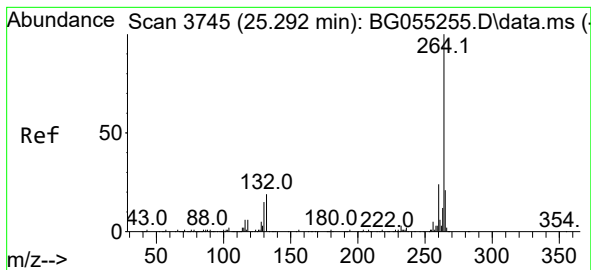
Tgt Ion:184 Resp: 14181  
Ion Ratio Lower Upper  
184 100  
185 15.2 11.0 16.6  
183 6.7 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 93.403 ng  
RT: 20.180 min Scan# 2875  
Delta R.T. -0.006 min  
Lab File: BG055357.D  
Acq: 29 Oct 2022 1:31

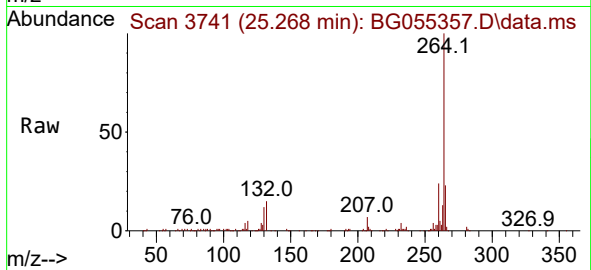
Tgt Ion:244 Resp: 961211  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.0 9.0  
122 10.4 9.6 14.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.268 min Scan# 31  
 Delta R.T. -0.018 min  
 Lab File: BG055357.D  
 Acq: 29 Oct 2022 1:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LSP-GW-03-DUP



Tgt Ion:264 Resp: 222246  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.5 29.3  
 265 22.6 17.4 26.2

