

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121523\  
 Data File : BG060033.D  
 Acq On : 15 Dec 2023 13:08  
 Operator : MA/JU  
 Sample : 05791-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-K-O

Quant Time: Dec 15 13:52:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 01:47:12 2023  
 Response via : Initial Calibration

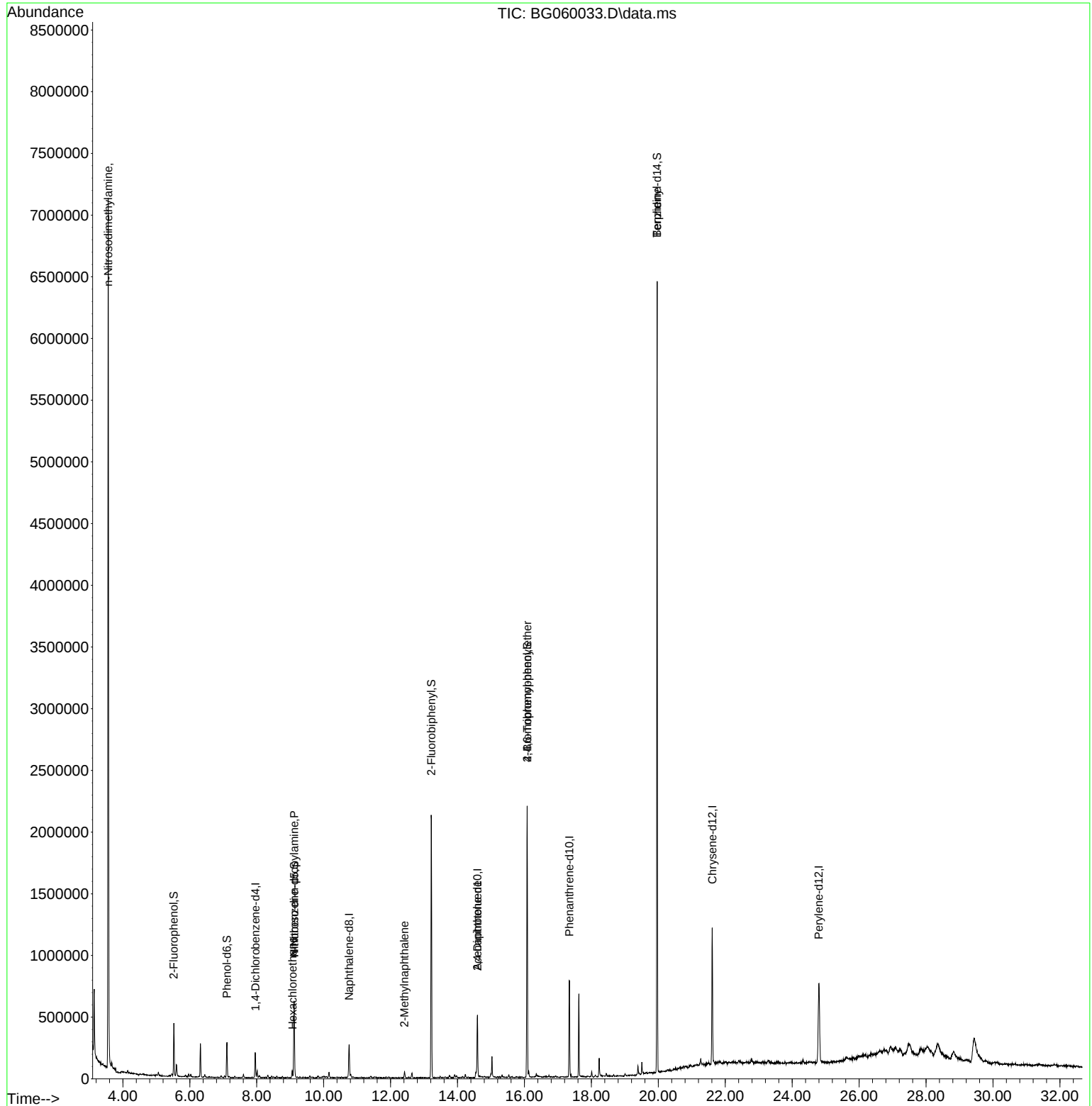
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.961  | 152  | 57066    | 20.000    | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.758 | 136  | 213076   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.594 | 164  | 176913   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.338 | 188  | 556147   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.610 | 240  | 706500   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 24.794 | 264  | 813122   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.523  | 112  | 159568   | 47.867    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.109  | 99   | 135532   | 28.903    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.118  | 82   | 365726   | 77.939    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.081 | 330  | 518012   | 125.643   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 1196063  | 82.744    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.964 | 244  | 3389994  | 87.603    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.560  | 42   | 941474   | 433.267   | ng    | # 1      |
| 18) Hexachloroethane          | 9.071  | 117  | 4377     | 3.287     | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.118  | 70   | 48018    | 15.872    | ng    | # 77     |
| 37) 2-Methylnaphthalene       | 12.414 | 142  | 22345    | 2.568     | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.594 | 165  | 23998    | 6.001     | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 16.081 | 248  | 30815    | 3.927     | ng    | # 1      |
| 69) Atrazine                  | 17.226 | 200  | 195      | Below Cal |       | 80       |
| 77) Benzidine                 | 19.964 | 184  | 52108    | 5.742     | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

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

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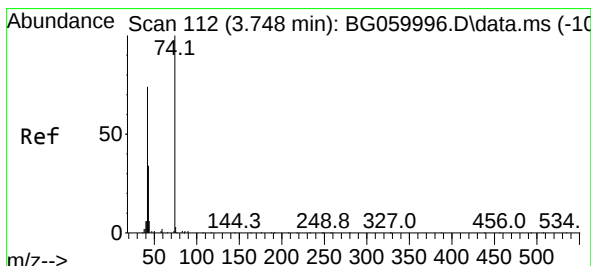
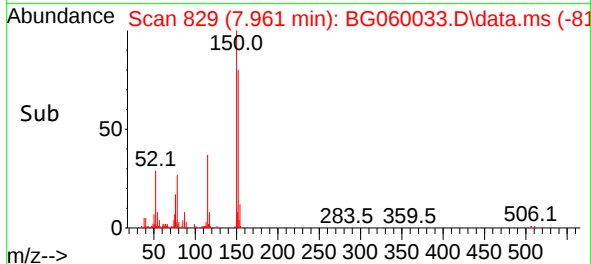
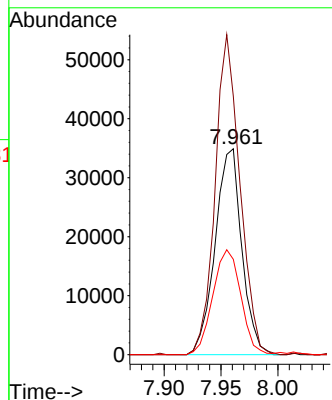
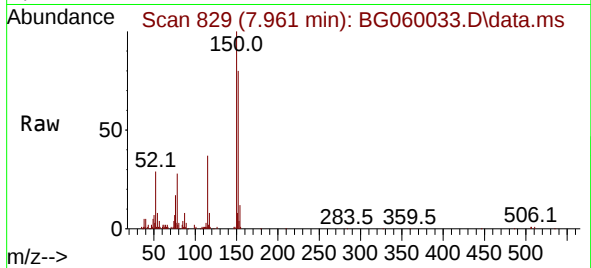




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.961 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

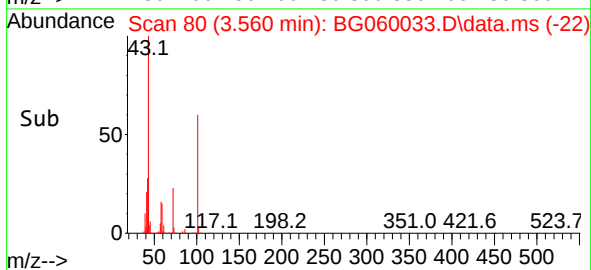
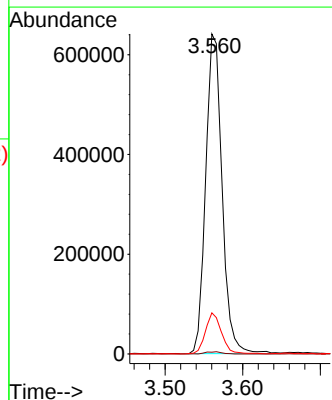
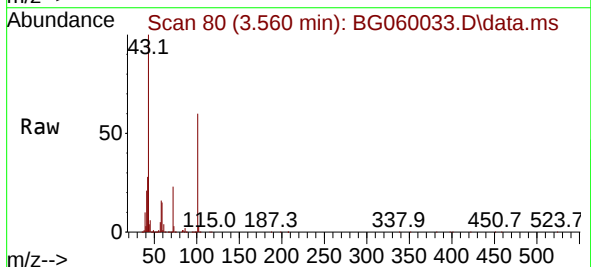
Instrument :  
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ClientSampleId :  
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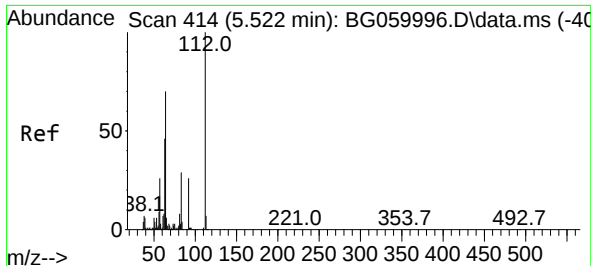
Tgt Ion:152 Resp: 57066  
Ion Ratio Lower Upper  
152 100  
150 125.5 127.0 190.6#  
115 46.3 45.7 68.5



#4  
n-Nitrosodimethylamine  
Concen: 433.267 ng  
RT: 3.560 min Scan# 80  
Delta R.T. -0.188 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion: 42 Resp: 941474  
Ion Ratio Lower Upper  
42 100  
74 0.6 107.4 161.2#  
44 12.8 6.0 9.0#

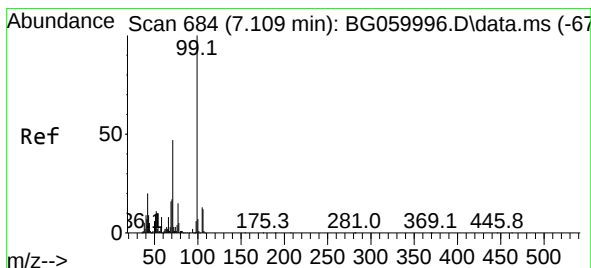
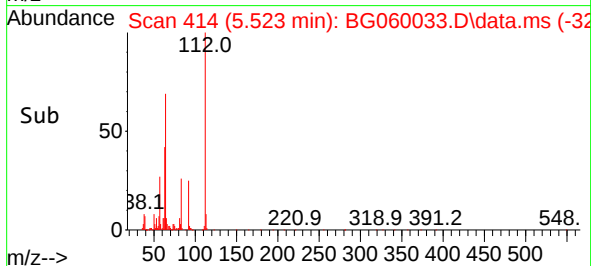
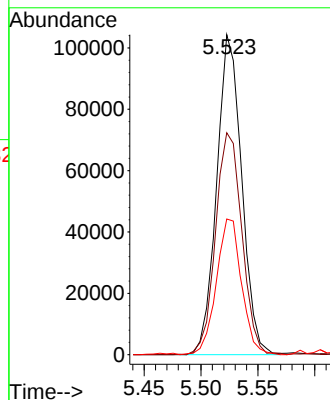
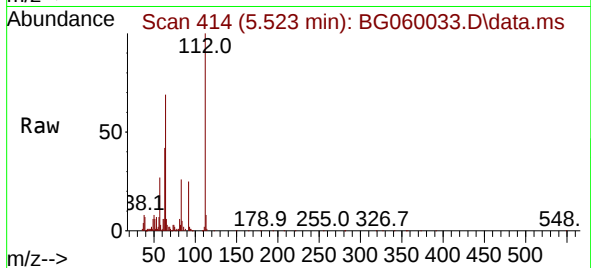




#5  
2-Fluorophenol  
Concen: 47.867 ng  
RT: 5.523 min Scan# 414  
Delta R.T. 0.001 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

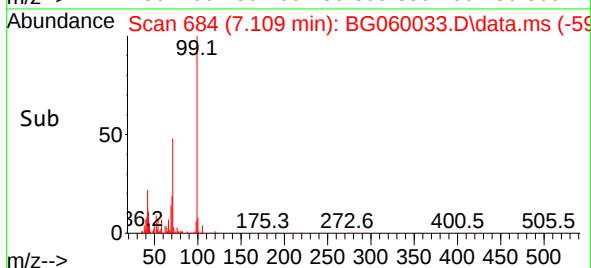
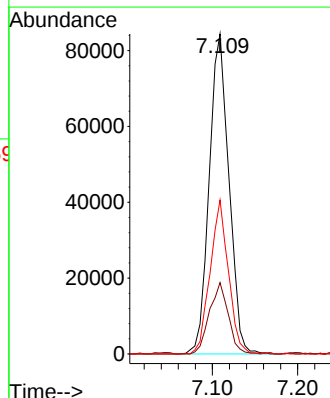
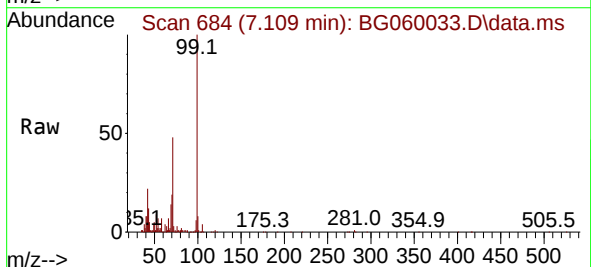
Instrument :  
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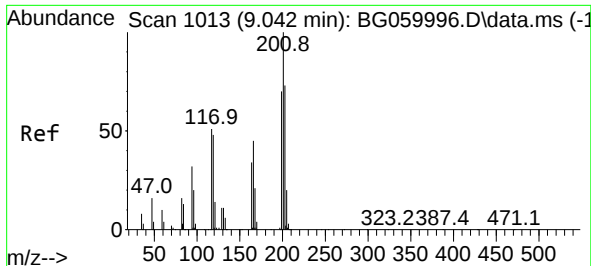
Tgt Ion:112 Resp: 159568  
Ion Ratio Lower Upper  
112 100  
64 69.4 55.9 83.9  
63 42.4 36.5 54.7



#7  
Phenol-d6  
Concen: 28.903 ng  
RT: 7.109 min Scan# 684  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion: 99 Resp: 135532  
Ion Ratio Lower Upper  
99 100  
42 22.3 16.2 24.4  
71 48.1 37.6 56.4

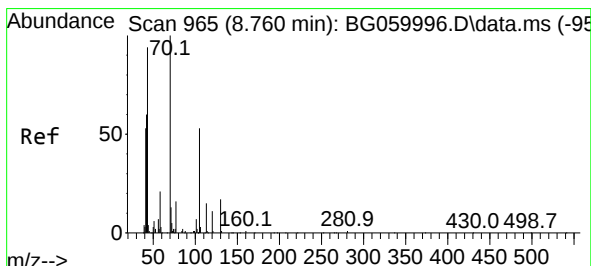
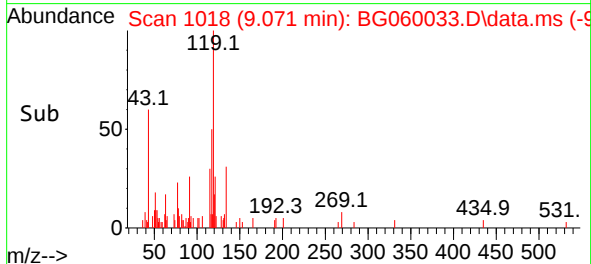
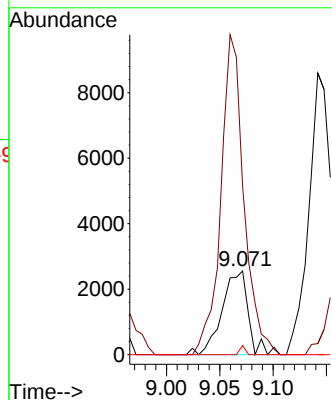
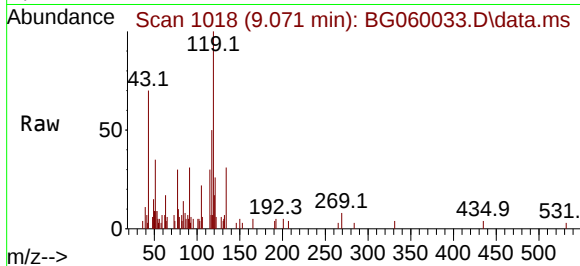




#18  
Hexachloroethane  
Concen: 3.287 ng  
RT: 9.071 min Scan# 1018  
Delta R.T. 0.030 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

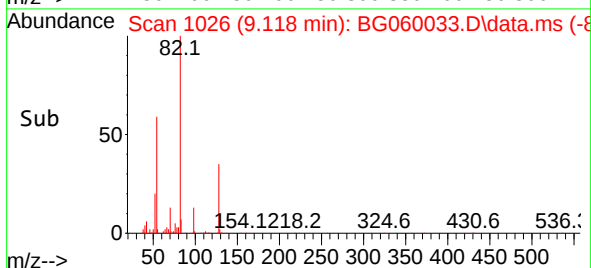
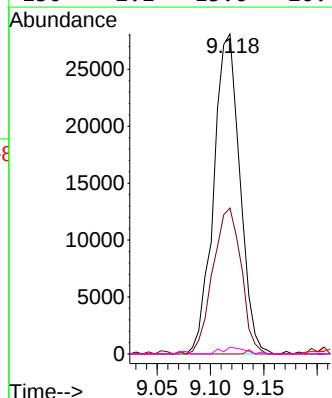
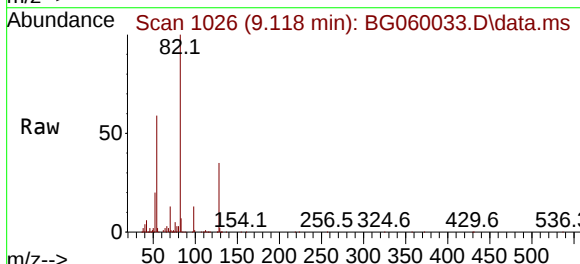
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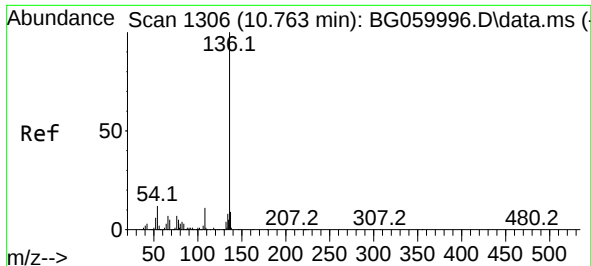
Tgt Ion:117 Resp: 4377  
Ion Ratio Lower Upper  
117 100  
119 201.6 74.5 111.7#  
201 11.0 156.5 234.7#



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.872 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. 0.359 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion: 70 Resp: 48018  
Ion Ratio Lower Upper  
70 100  
42 45.6 48.6 73.0#  
101 0.0 5.7 8.5#  
130 2.1 13.6 20.4#

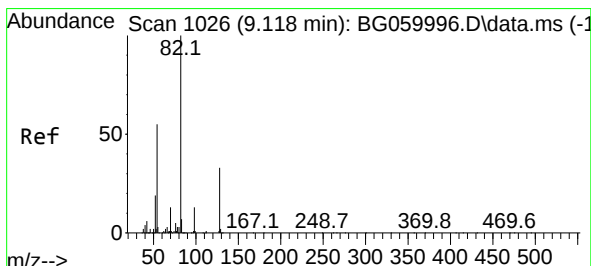
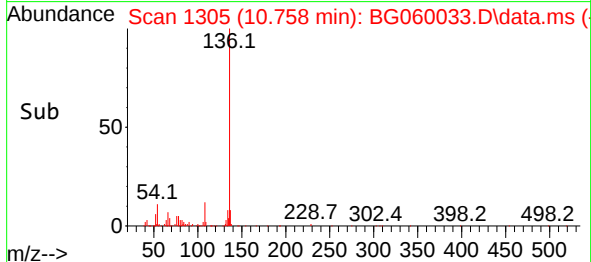
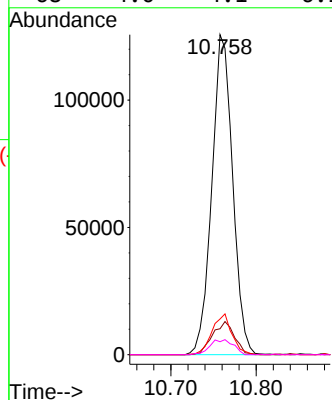
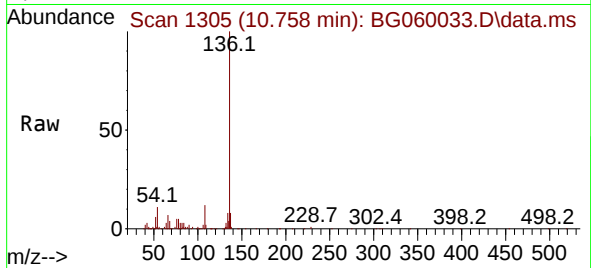




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.758 min Scan# 1306  
Delta R.T. -0.006 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

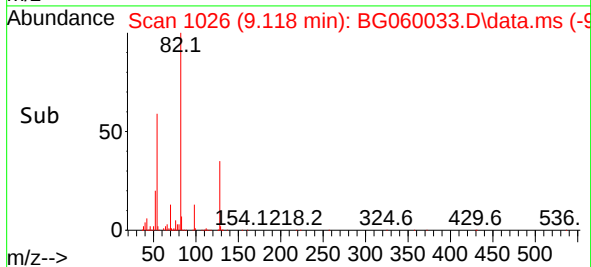
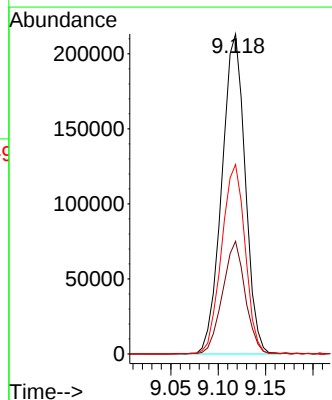
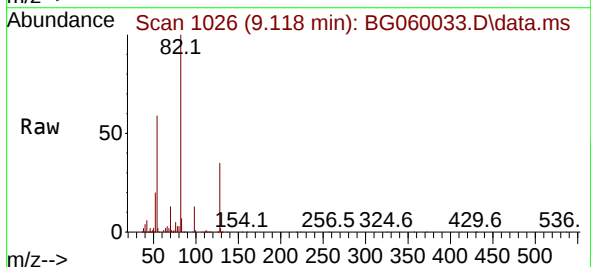
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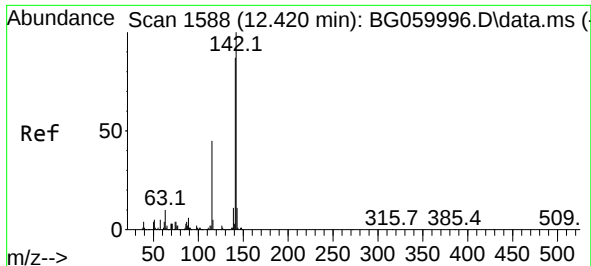
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 213076 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 8.1   | 7.3   | 10.9   |
| 54        | 11.1  | 9.6   | 14.4   |
| 68        | 4.0   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 77.939 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 365726 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.2  | 26.3  | 39.5   |
| 54        | 59.2  | 44.3  | 66.5   |

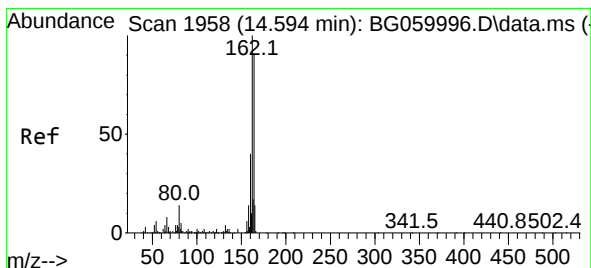
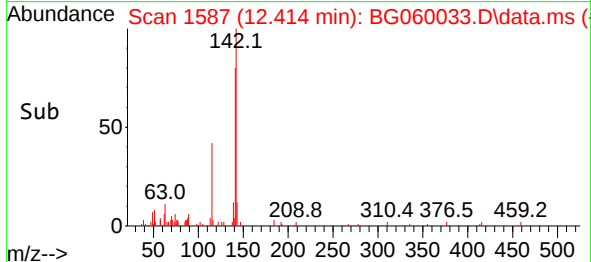
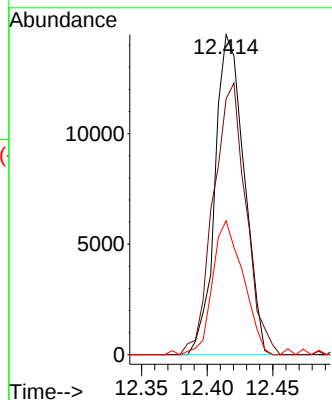
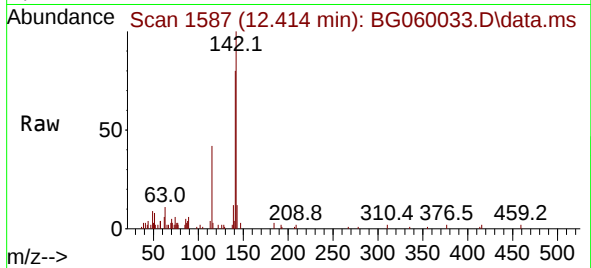




#37  
2-Methylnaphthalene  
Concen: 2.568 ng  
RT: 12.414 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

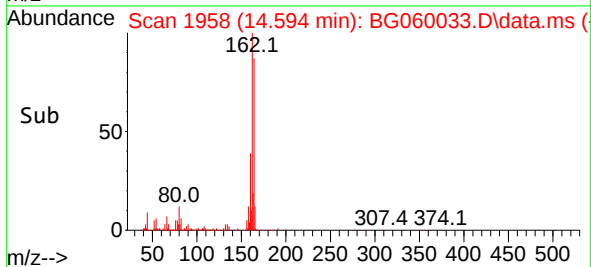
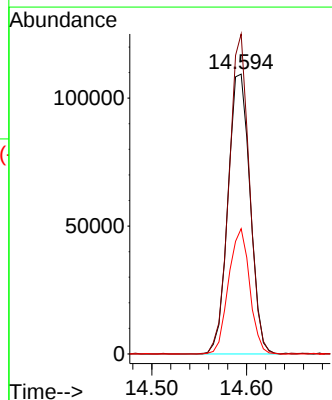
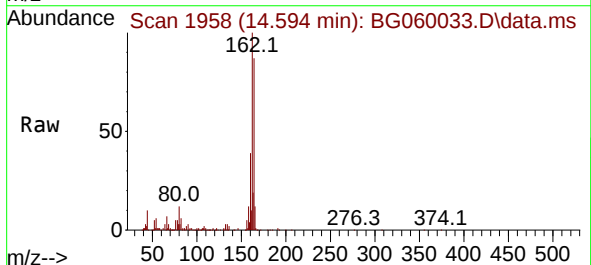
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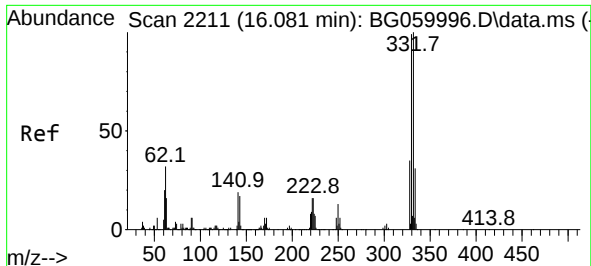
Tgt Ion:142 Resp: 22345  
Ion Ratio Lower Upper  
142 100  
141 80.0 69.9 104.9  
115 41.8 36.1 54.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.594 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion:164 Resp: 176913  
Ion Ratio Lower Upper  
164 100  
162 114.3 88.1 132.1  
160 44.8 35.4 53.0

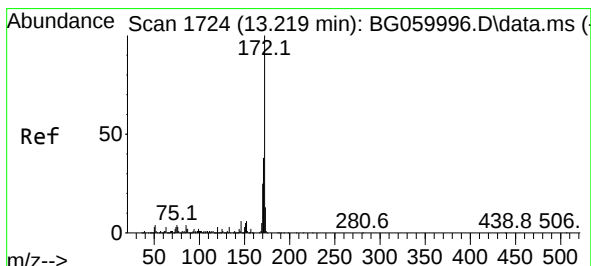
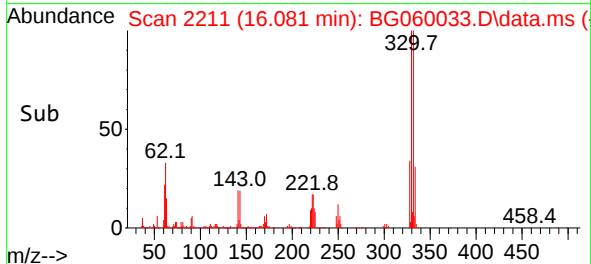
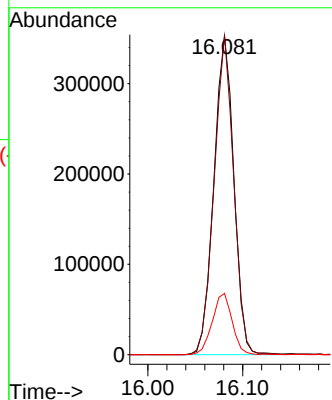
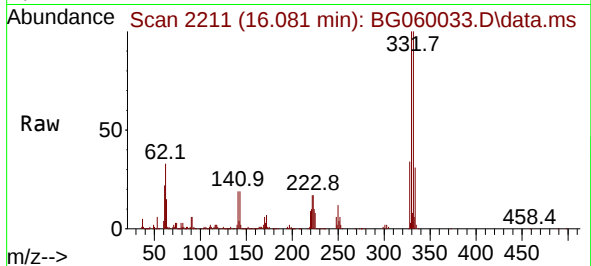




#42  
2,4,6-Tribromophenol  
Concen: 125.643 ng  
RT: 16.081 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

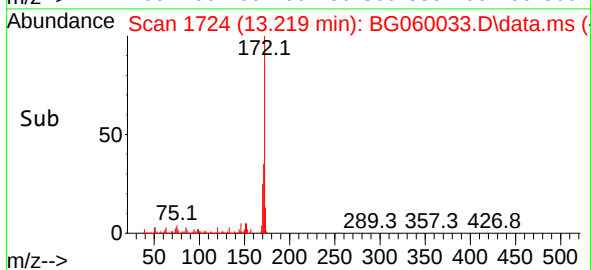
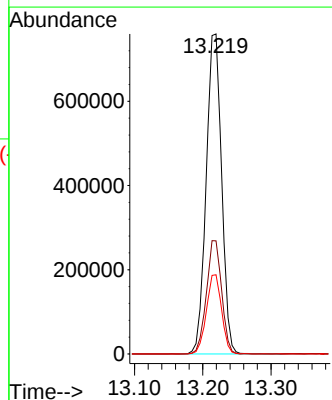
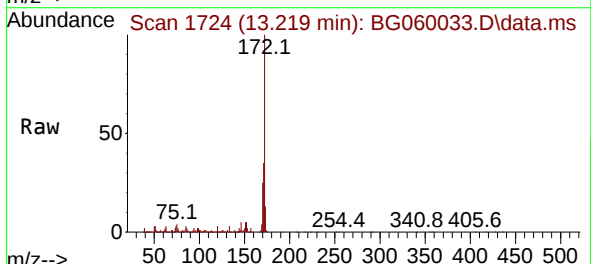
Instrument :  
BNA\_G  
ClientSampleId :  
597-K-O

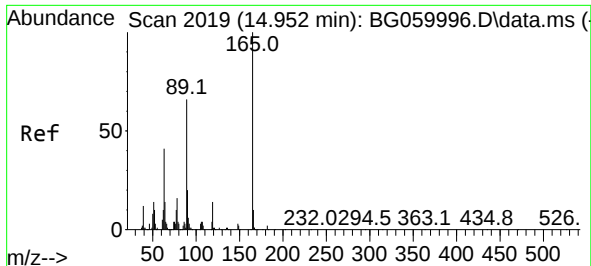
Tgt Ion:330 Resp: 518012  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.2 114.4  
141 19.2 14.3 21.5



#45  
2-Fluorobiphenyl  
Concen: 82.744 ng  
RT: 13.219 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion:172 Resp: 1196063  
Ion Ratio Lower Upper  
172 100  
171 35.4 30.1 45.1  
170 24.7 20.0 30.0

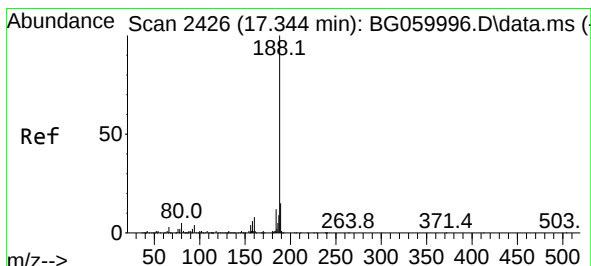
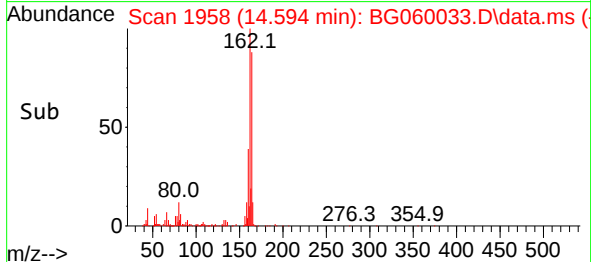
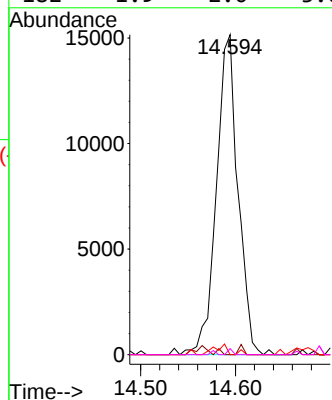
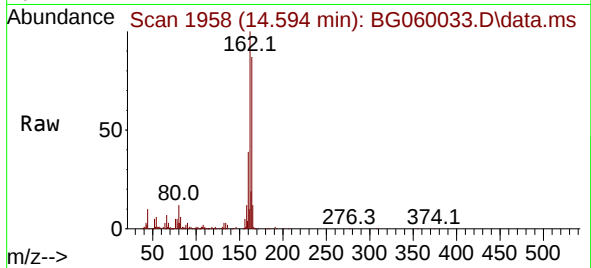




#57  
2,4-Dinitrotoluene  
Concen: 6.001 ng  
RT: 14.594 min Scan# 1958  
Delta R.T. -0.358 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

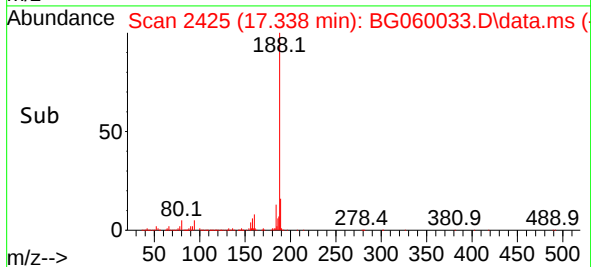
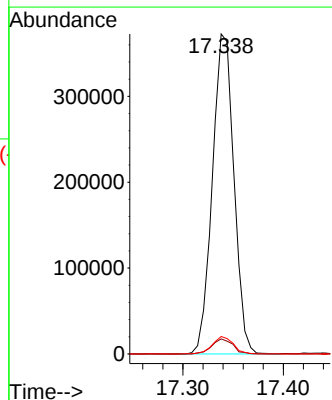
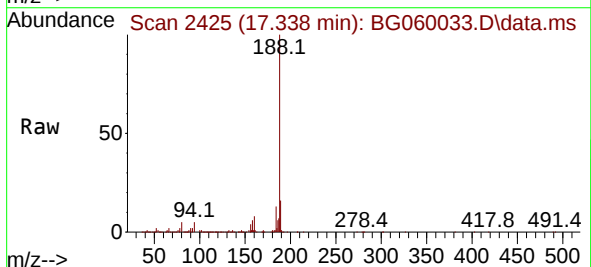
Instrument :  
BNA\_G  
ClientSampleId :  
597-K-O

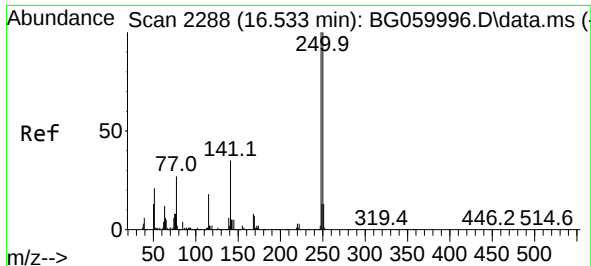
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Ion Ratio Lower Upper  
165 100  
63 0.0 32.8 49.2#  
89 0.0 53.0 79.6#  
182 1.9 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.338 min Scan# 2425  
Delta R.T. -0.006 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion:188 Resp: 556147  
Ion Ratio Lower Upper  
188 100  
94 4.7 3.0 4.6#  
80 5.5 4.0 6.0

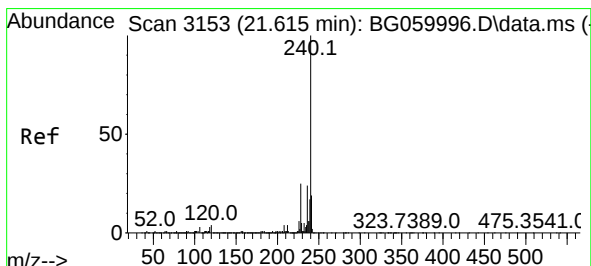
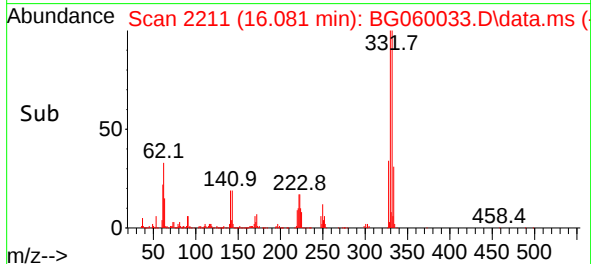
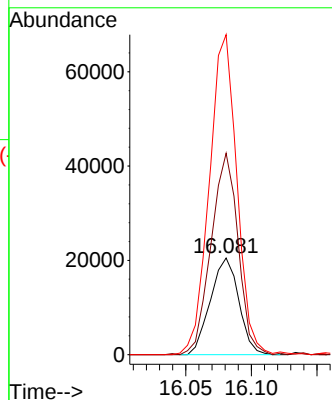
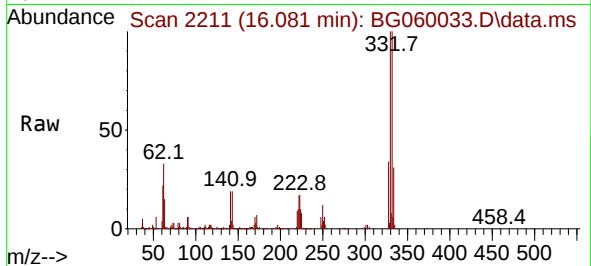




#67  
4-Bromophenyl-phenylether  
Concen: 3.927 ng  
RT: 16.081 min Scan# 21  
Delta R.T. -0.452 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

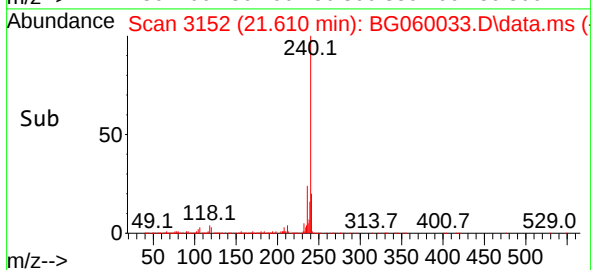
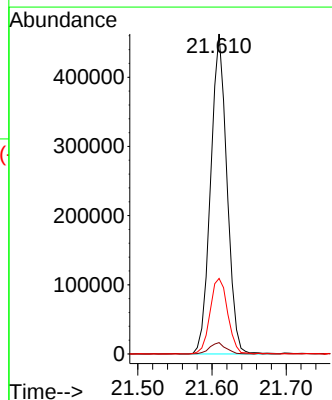
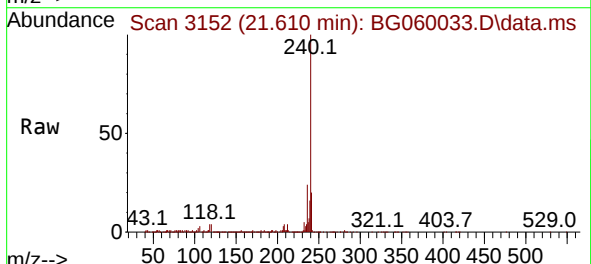
Instrument :  
BNA\_G  
ClientSampleId :  
597-K-O

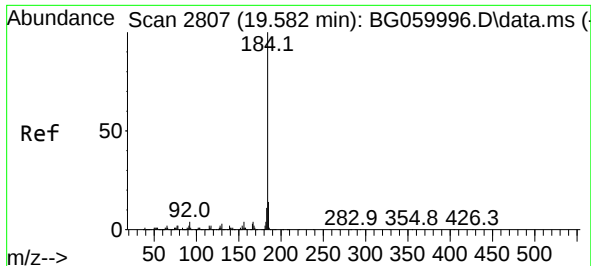
Tgt Ion:248 Resp: 30815  
Ion Ratio Lower Upper  
248 100  
250 208.6 79.9 119.9#  
141 331.4 28.3 42.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.610 min Scan# 3152  
Delta R.T. -0.006 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion:240 Resp: 706500  
Ion Ratio Lower Upper  
240 100  
120 3.5 2.9 4.3  
236 23.6 19.4 29.2

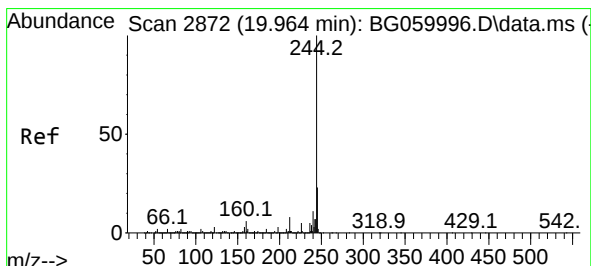
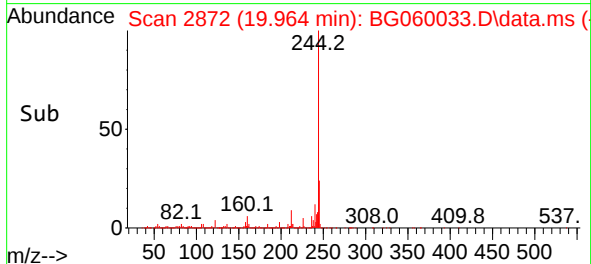
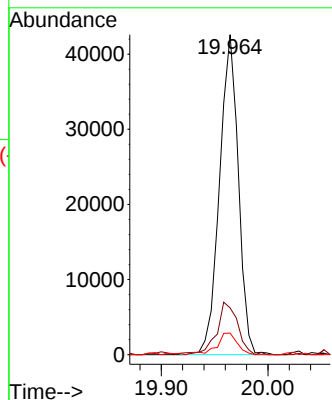
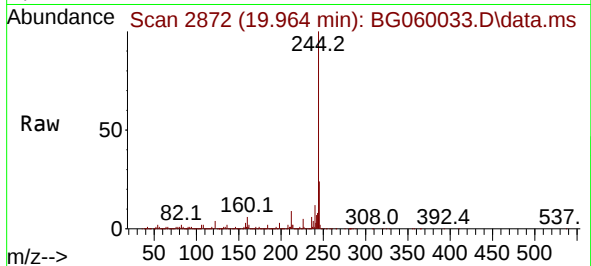




#77  
Benzidine  
Concen: 5.742 ng  
RT: 19.964 min Scan# 2807  
Delta R.T. 0.382 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

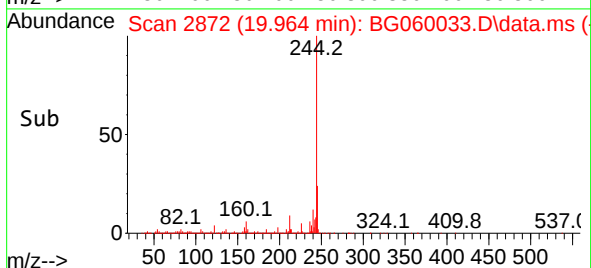
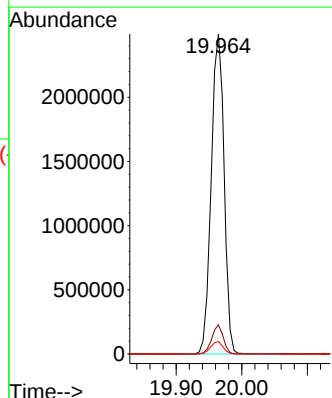
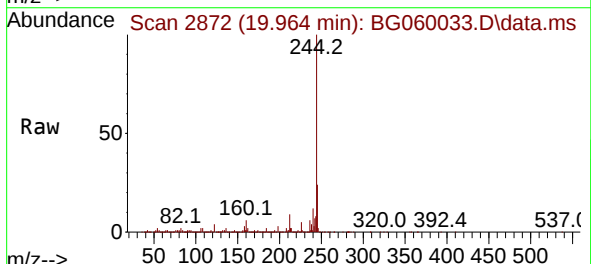
Instrument :  
BNA\_G  
ClientSampleId :  
597-K-O

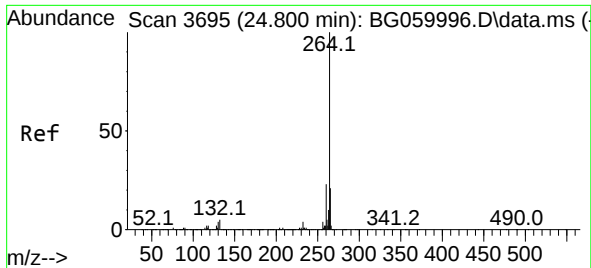
Tgt Ion:184 Resp: 52108  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.1 16.7  
183 6.8 9.0 13.4#



#79  
Terphenyl-d14  
Concen: 87.603 ng  
RT: 19.964 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: BG060033.D  
Acq: 15 Dec 2023 13:08

Tgt Ion:244 Resp: 3389994  
Ion Ratio Lower Upper  
244 100  
212 9.1 6.8 10.2  
122 3.9 2.6 3.8#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.794 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG060033.D  
 Acq: 15 Dec 2023 13:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-K-O

Tgt Ion:264 Resp: 813122  
 Ion Ratio Lower Upper  
 264 100  
 260 22.2 18.5 27.7  
 265 20.6 17.3 25.9

