

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031424\  
 Data File : BG060642.D  
 Acq On : 14 Mar 2024 17:14  
 Operator : MA/JU  
 Sample : P1733-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-2

Quant Time: Mar 15 01:36:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 00:45:22 2024  
 Response via : Initial Calibration

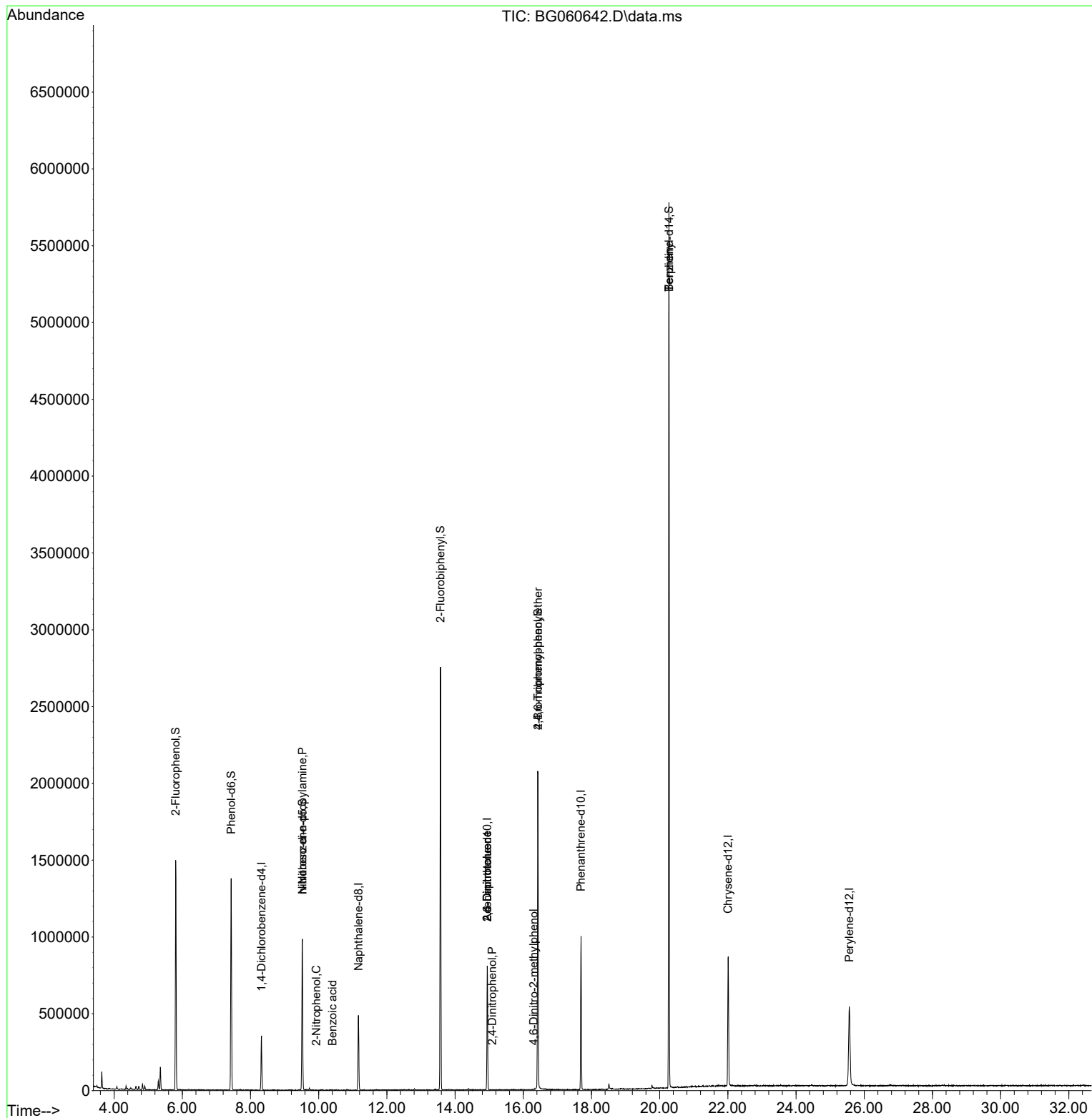
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.323  | 152  | 90368    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.167 | 136  | 400704   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.945 | 164  | 279009   | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.695 | 188  | 606195   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 22.007 | 240  | 542445   | 20.000  | ng     | -0.02    |
| 86) Perylene-d12              | 25.562 | 264  | 607364   | 20.000  | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.809  | 112  | 601579   | 104.647 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.436  | 99   | 782076   | 93.785  | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.522  | 82   | 564776   | 73.353  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.432 | 330  | 392260   | 121.325 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.570 | 172  | 1423010  | 68.957  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.274 | 244  | 2721390  | 90.682  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.522  | 70   | 71023    | 12.287  | ng     | # 81     |
| 26) 2-Nitrophenol             | 9.933  | 139  | 79       | 2.260   | ng     | # 23     |
| 32) Benzoic acid              | 10.409 | 122  | 143      | 6.048   | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.945 | 165  | 35254    | 9.143   | ng     | # 16     |
| 54) 2,4-Dinitrophenol         | 15.092 | 184  | 54       | 6.869   | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 35254    | 7.268   | ng     | # 15     |
| 65) 4,6-Dinitro-2-methylph... | 16.308 | 198  | 57       | 4.833   | ng     | # 4      |
| 67) 4-Bromophenyl-phenylether | 16.432 | 248  | 26821    | 4.103   | ng     | # 1      |
| 77) Benzidine                 | 20.274 | 184  | 46767    | 3.525   | ng     | # 93     |
| -----                         |        |      |          |         |        |          |

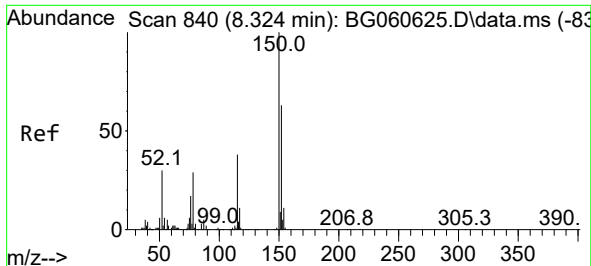
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031424\  
Data File : BG060642.D  
Acq On : 14 Mar 2024 17:14  
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ALS Vial : 12 Sample Multiplier: 1

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Quant Time: Mar 15 01:36:30 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 14 00:45:22 2024  
Response via : Initial Calibration

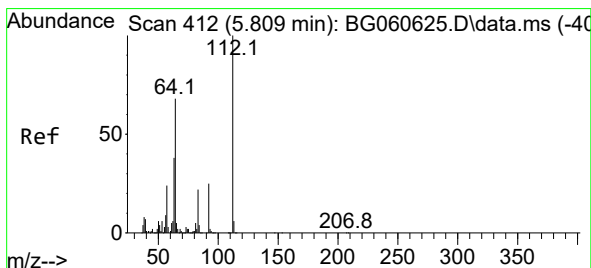
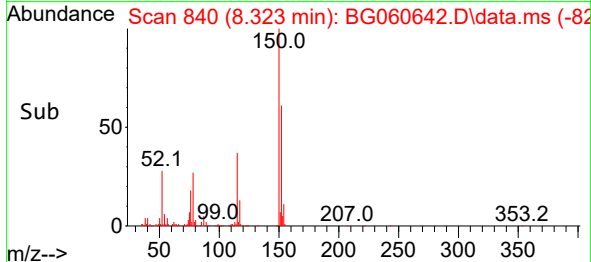
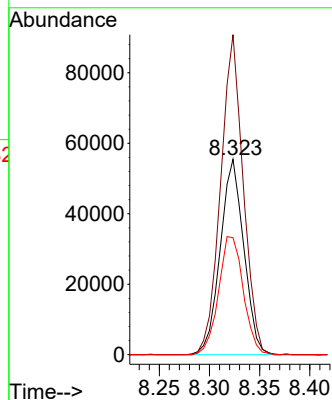
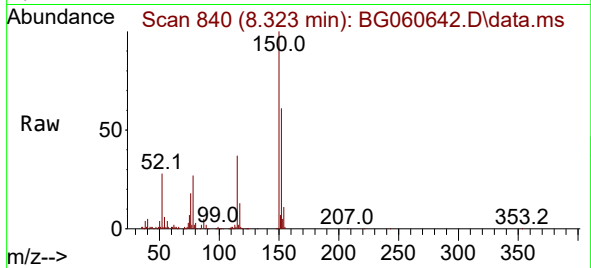




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.323 min Scan# 840  
 Delta R.T. -0.001 min  
 Lab File: BG060642.D  
 Acq: 14 Mar 2024 17:14

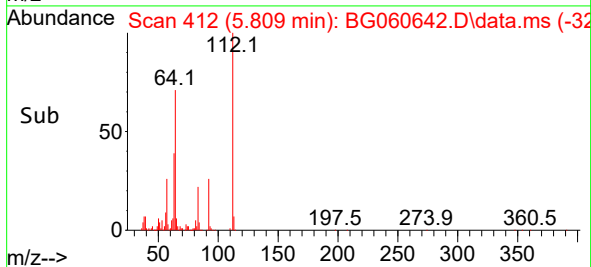
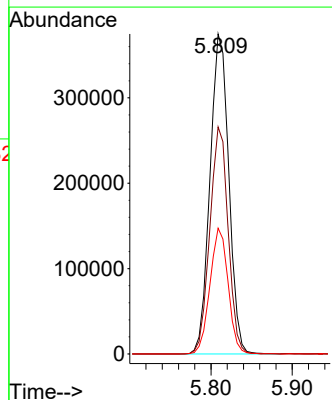
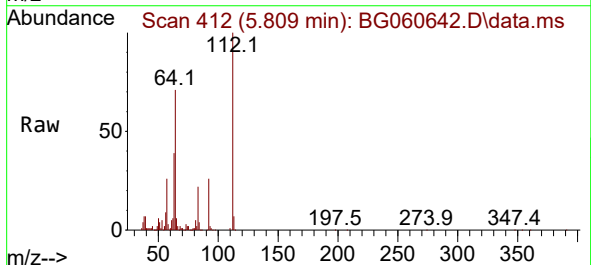
Instrument :  
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 ClientSampleId :  
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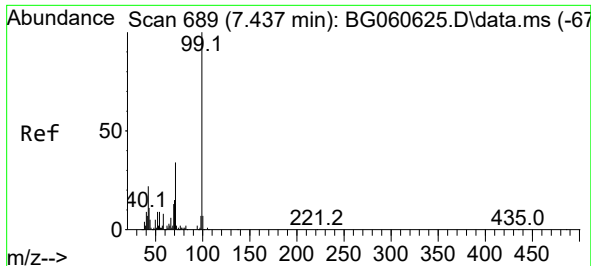
Tgt Ion:152 Resp: 90368  
 Ion Ratio Lower Upper  
 152 100  
 150 163.8 126.6 190.0  
 115 59.8 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 104.647 ng  
 RT: 5.809 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: BG060642.D  
 Acq: 14 Mar 2024 17:14

Tgt Ion:112 Resp: 601579  
 Ion Ratio Lower Upper  
 112 100  
 64 70.9 54.1 81.1  
 63 39.3 30.3 45.5

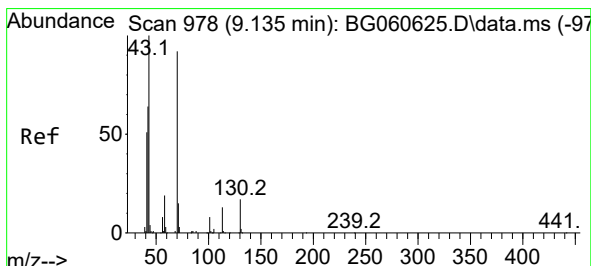
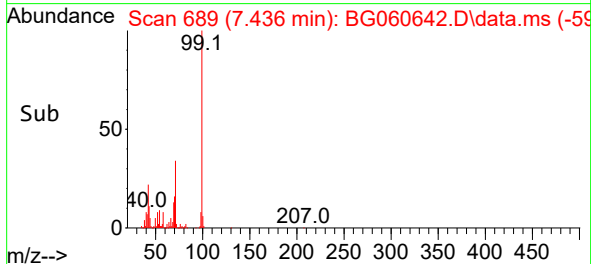
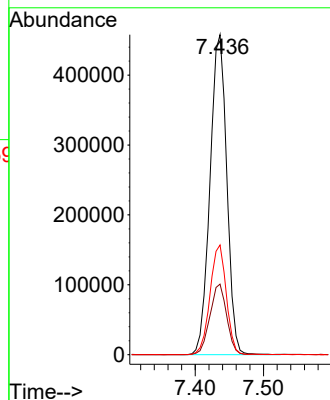
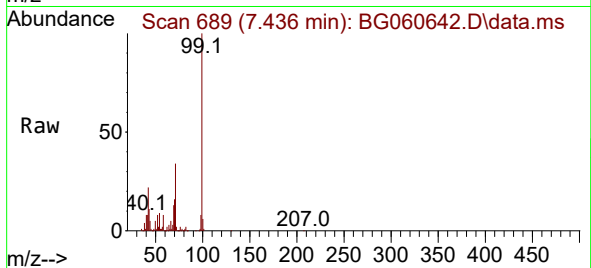




#7  
Phenol-d6  
Concen: 93.785 ng  
RT: 7.436 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

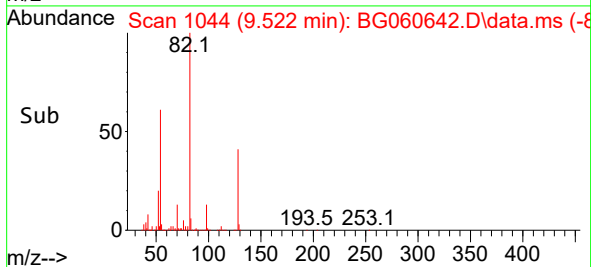
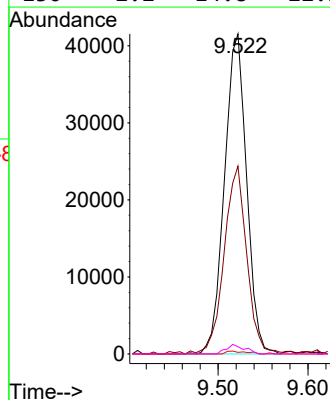
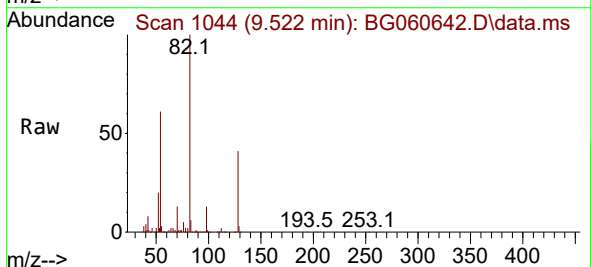
Instrument :  
BNA\_G  
ClientSampleId :  
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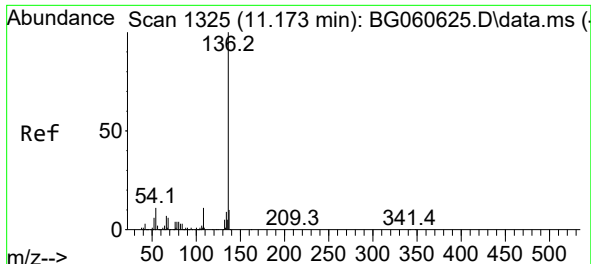
Tgt Ion: 99 Resp: 782076  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.5 26.3  
71 34.3 27.4 41.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.287 ng  
RT: 9.522 min Scan# 1044  
Delta R.T. 0.387 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion: 70 Resp: 71023  
Ion Ratio Lower Upper  
70 100  
42 58.7 56.2 84.2  
101 0.5 7.4 11.0#  
130 2.2 14.8 22.2#

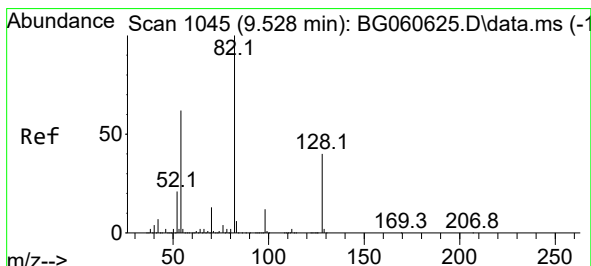
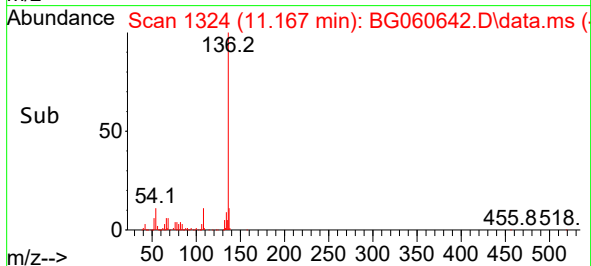
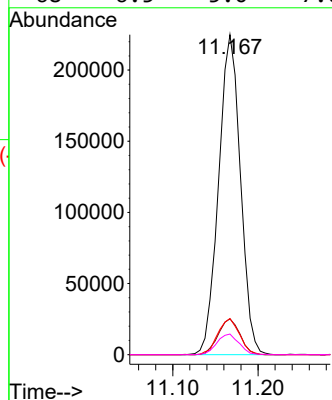
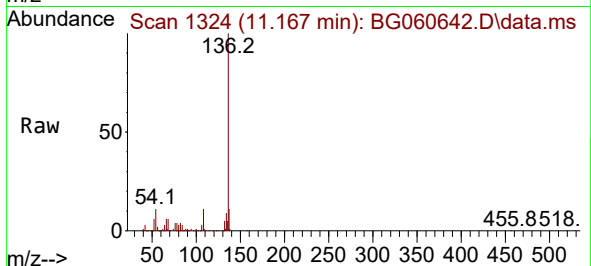




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.167 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

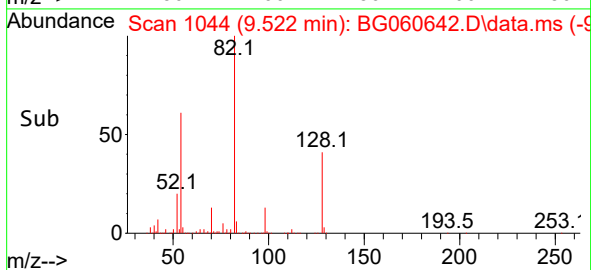
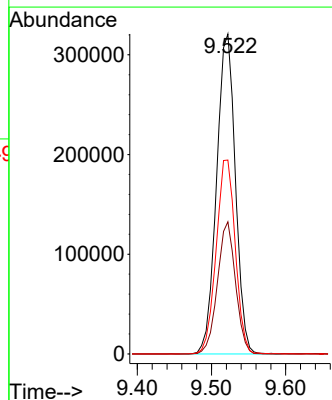
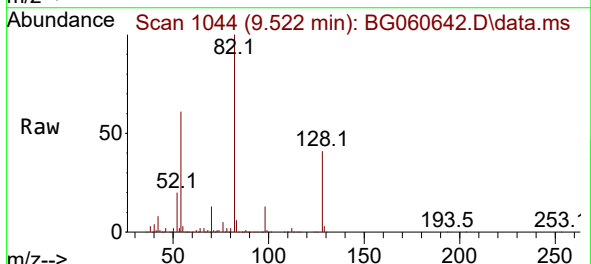
Instrument :  
BNA\_G  
ClientSampleId :  
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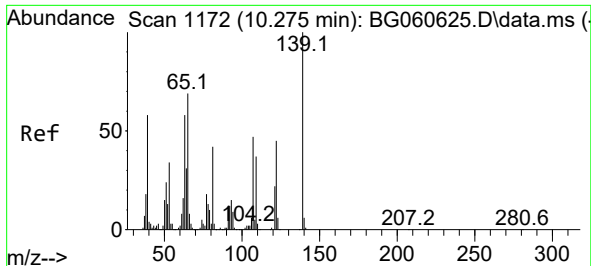
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 400704 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.4   | 12.6   |
| 54       | 11.3  | 8.5   | 12.7   |
| 68       | 6.5   | 5.0   | 7.6    |



#23  
Nitrobenzene-d5  
Concen: 73.353 ng  
RT: 9.522 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 564776 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.3  | 31.6  | 47.4   |
| 54       | 60.6  | 49.3  | 73.9   |

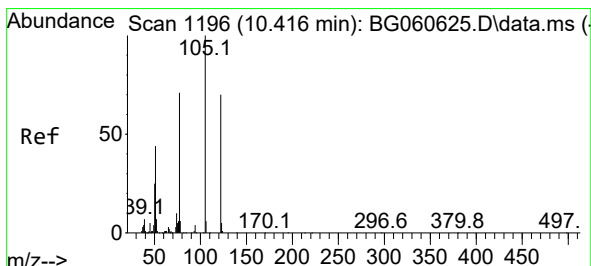
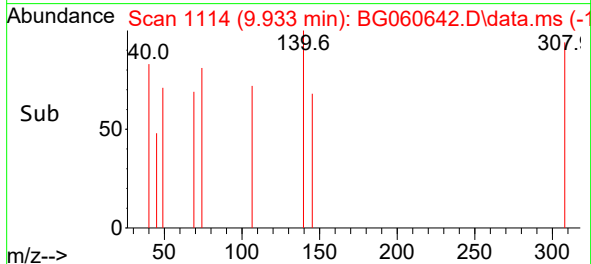
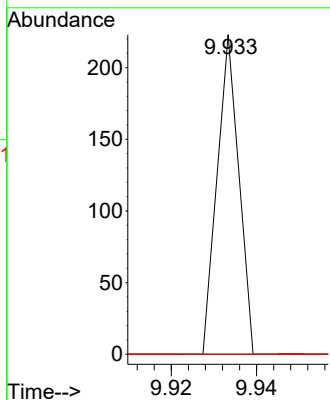
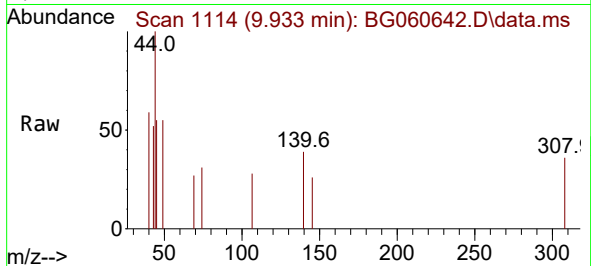




#26  
2-Nitrophenol  
Concen: 2.260 ng  
RT: 9.933 min Scan# 1114  
Delta R.T. -0.342 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

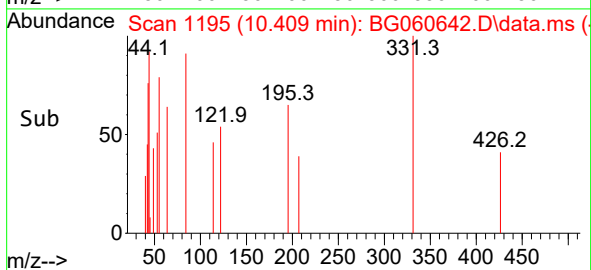
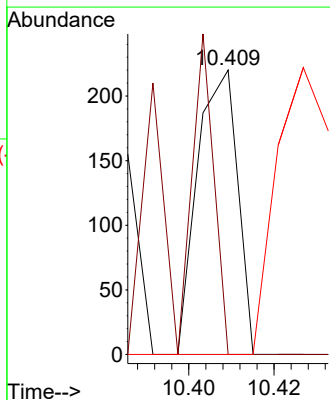
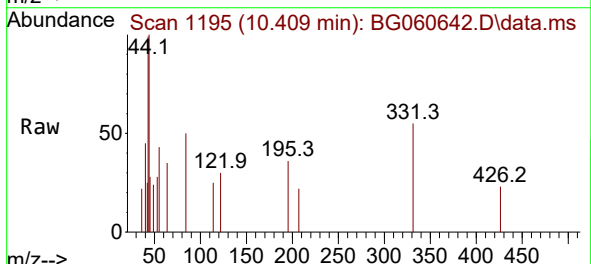
Instrument :  
BNA\_G  
ClientSampleId :  
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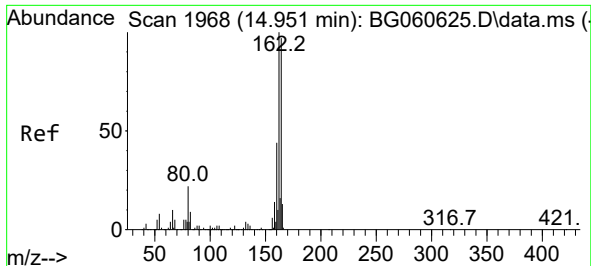
Tgt Ion:139 Resp: 79  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.5 44.3#  
65 0.0 55.0 82.4#



#32  
Benzoic acid  
Concen: 6.048 ng  
RT: 10.409 min Scan# 1195  
Delta R.T. -0.007 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:122 Resp: 143  
Ion Ratio Lower Upper  
122 100  
105 0.0 115.0 155.0#  
77 0.0 79.0 119.0#

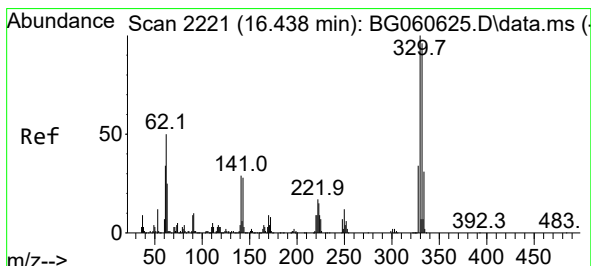
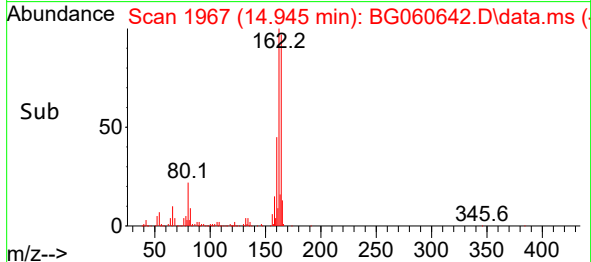
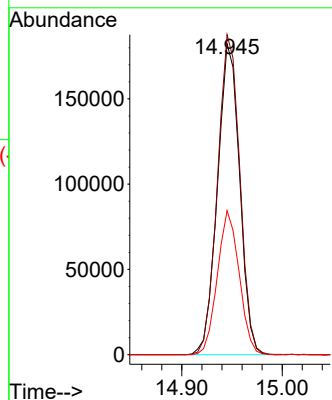
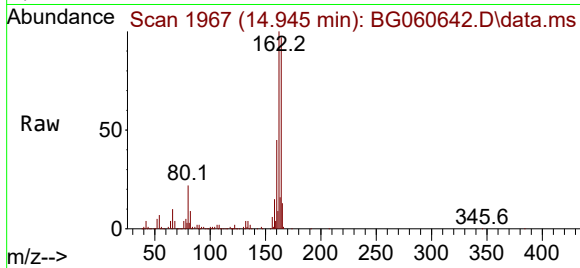




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.945 min Scan# 1967  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

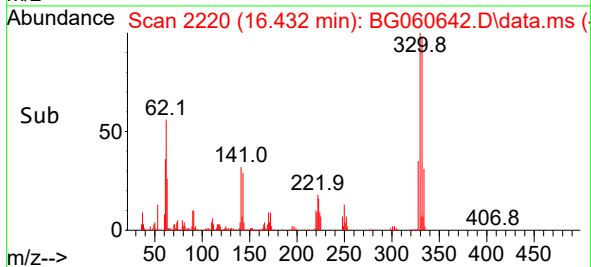
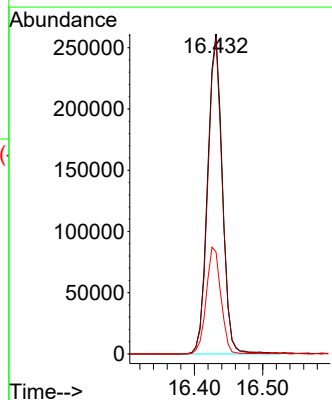
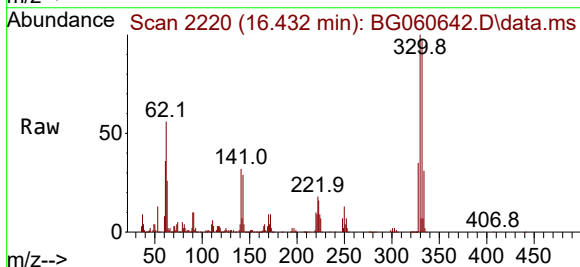
Instrument :  
BNA\_G  
ClientSampleId :  
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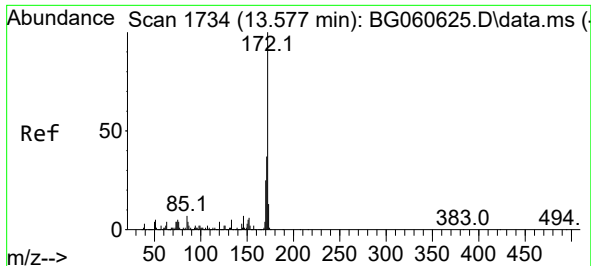
Tgt Ion:164 Resp: 279009  
Ion Ratio Lower Upper  
164 100  
162 102.9 82.5 123.7  
160 46.3 36.4 54.6



#42  
2,4,6-Tribromophenol  
Concen: 121.325 ng  
RT: 16.432 min Scan# 2220  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:330 Resp: 392260  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.8 116.8  
141 33.2 25.4 38.2

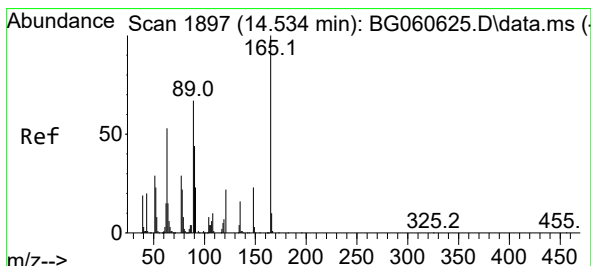
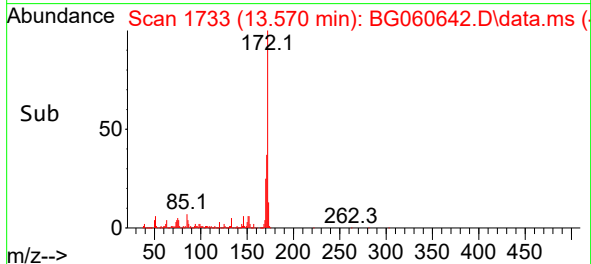
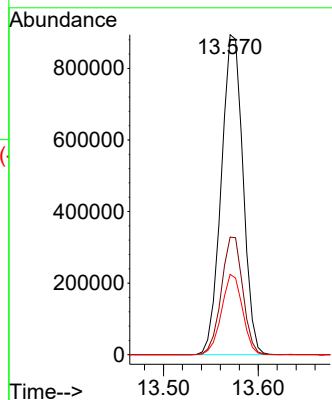
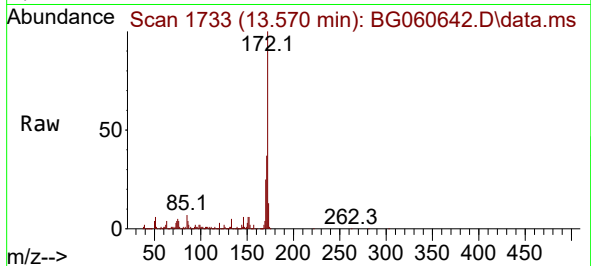




#45  
2-Fluorobiphenyl  
Concen: 68.957 ng  
RT: 13.570 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

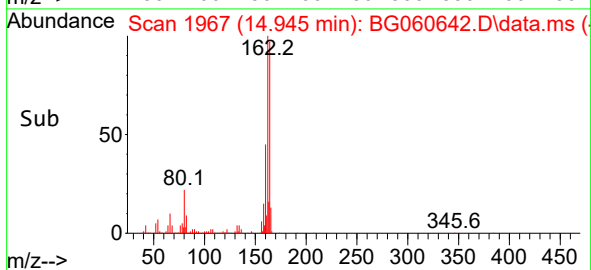
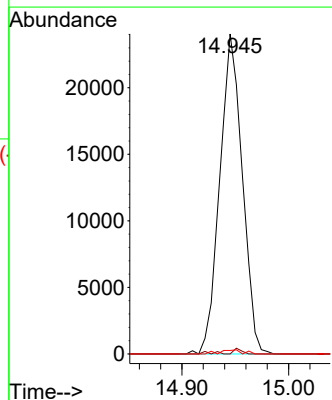
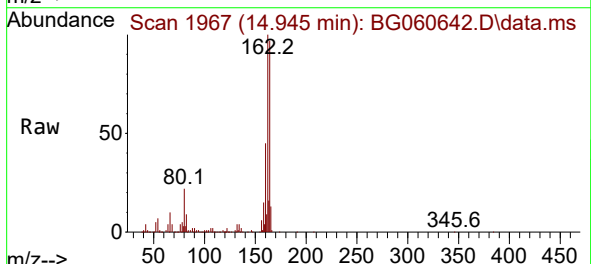
Instrument :  
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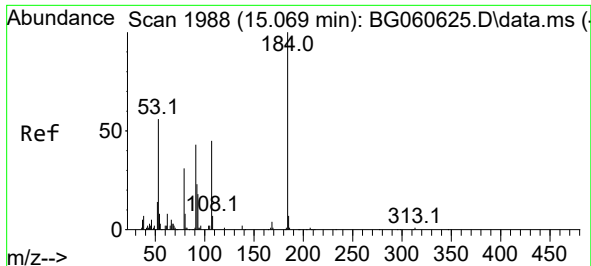
Tgt Ion:172 Resp: 1423010  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.9 44.9  
170 25.1 19.8 29.6



#51  
2,6-Dinitrotoluene  
Concen: 9.143 ng  
RT: 14.945 min Scan# 1967  
Delta R.T. 0.411 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:165 Resp: 35254  
Ion Ratio Lower Upper  
165 100  
63 0.0 55.8 83.6#  
89 1.1 54.1 81.1#

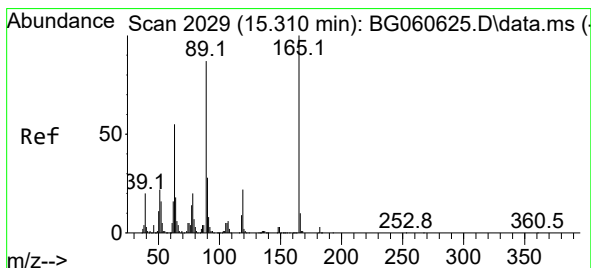
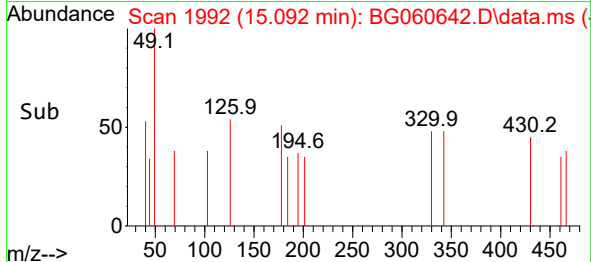
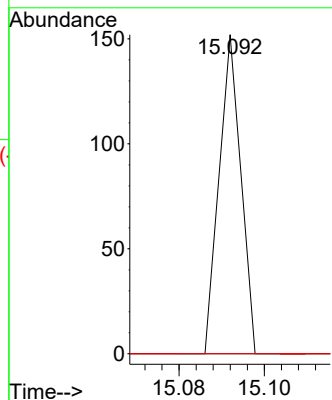
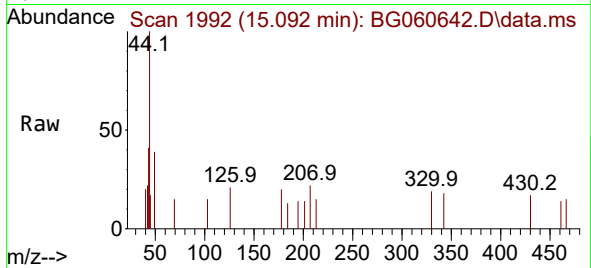




#54  
2,4-Dinitrophenol  
Concen: 6.869 ng  
RT: 15.092 min Scan# 1967  
Delta R.T. 0.023 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

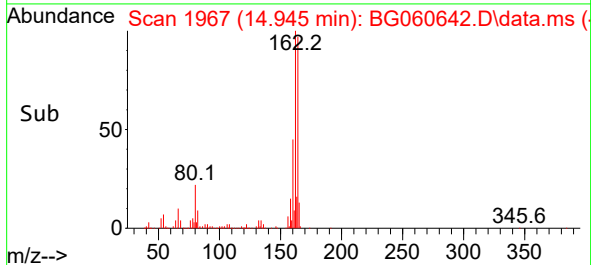
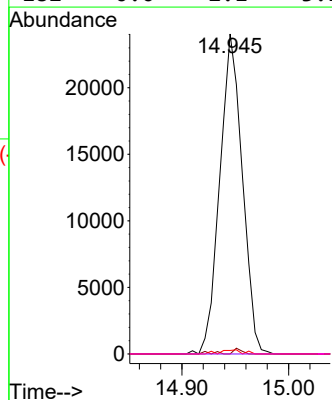
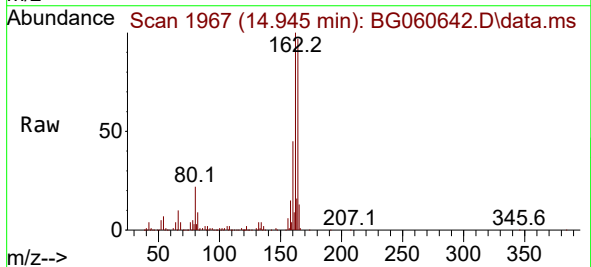
Instrument :  
BNA\_G  
ClientSampleId :  
WC-2

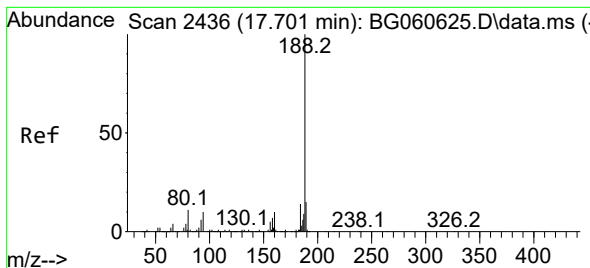
Tgt Ion:184 Resp: 54  
Ion Ratio Lower Upper  
184 100  
63 0.0 54.4 81.6#  
154 0.0 50.4 75.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.268 ng  
RT: 14.945 min Scan# 1967  
Delta R.T. -0.365 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:165 Resp: 35254  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.1 66.1#  
89 1.1 69.7 104.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BG060642.D

Acq: 14 Mar 2024 17:14

Instrument :

BNA\_G

ClientSampleId :

WC-2

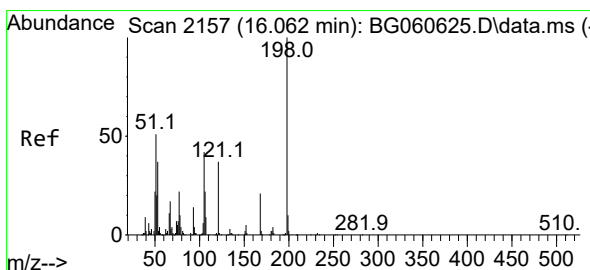
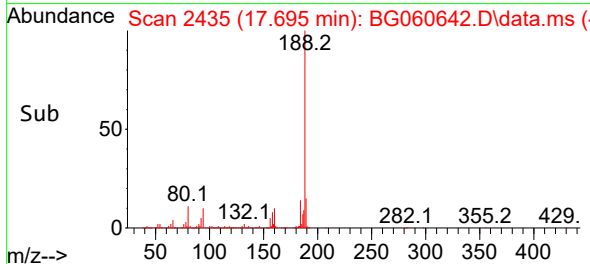
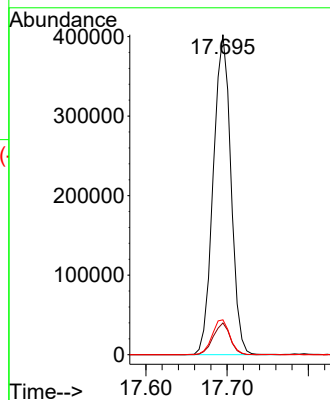
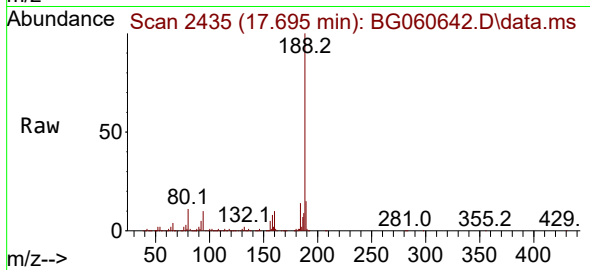
Tgt Ion:188 Resp: 606195

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.9 8.6 13.0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.833 ng

RT: 16.308 min Scan# 2199

Delta R.T. 0.246 min

Lab File: BG060642.D

Acq: 14 Mar 2024 17:14

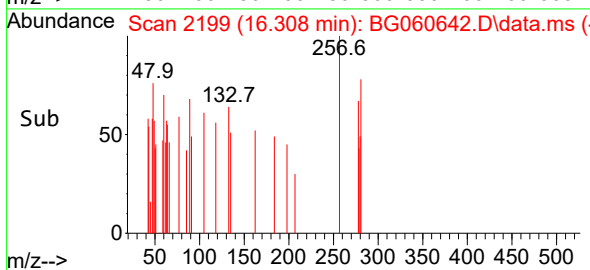
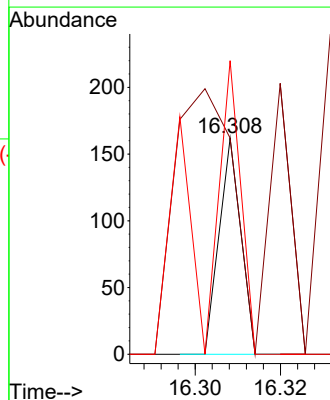
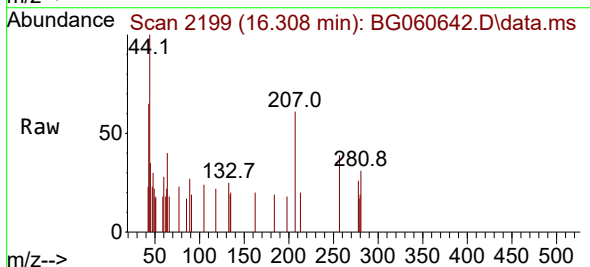
Tgt Ion:198 Resp: 57

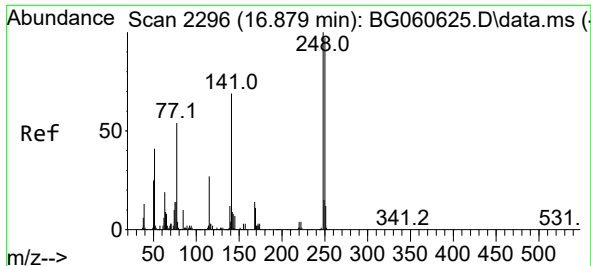
Ion Ratio Lower Upper

198 100

51 100.0 36.9 76.9#

105 135.8 22.4 62.4#

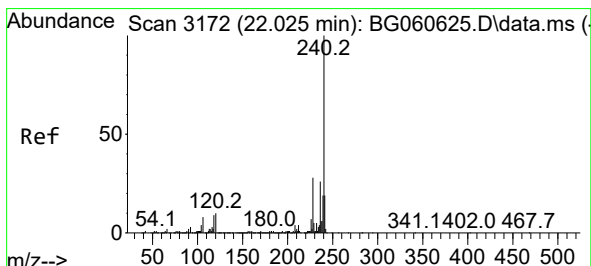
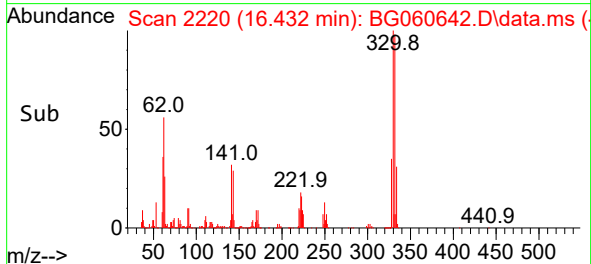
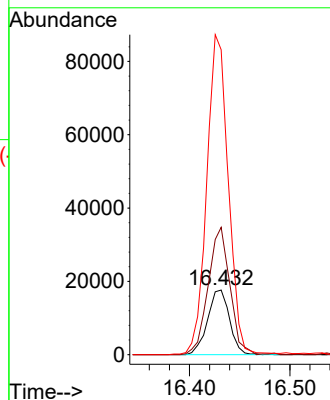
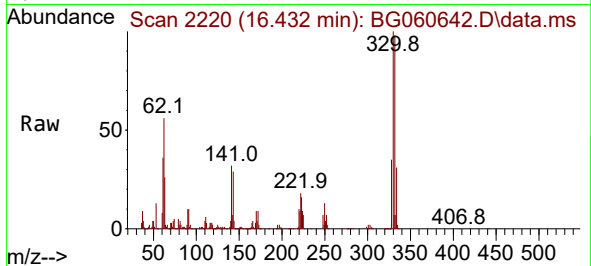




#67  
4-Bromophenyl-phenylether  
Concen: 4.103 ng  
RT: 16.432 min Scan# 21  
Delta R.T. -0.447 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

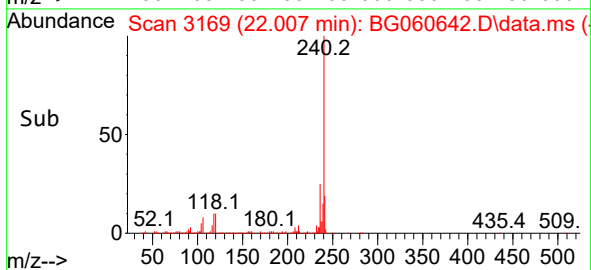
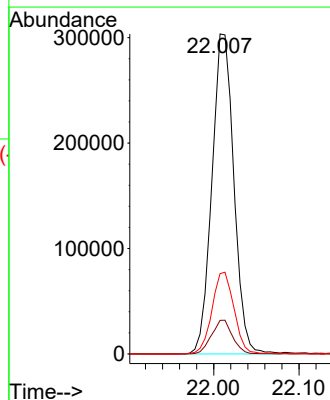
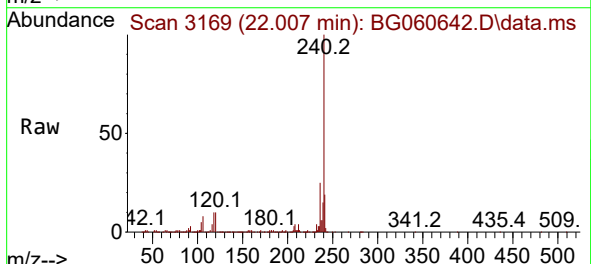
Instrument :  
BNA\_G  
ClientSampleId :  
WC-2

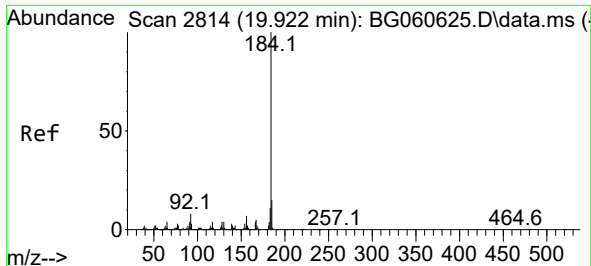
Tgt Ion:248 Resp: 26821  
Ion Ratio Lower Upper  
248 100  
250 197.1 77.8 116.6#  
141 472.1 55.1 82.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.007 min Scan# 3169  
Delta R.T. -0.018 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:240 Resp: 542445  
Ion Ratio Lower Upper  
240 100  
120 10.5 7.8 11.8  
236 25.1 20.6 31.0

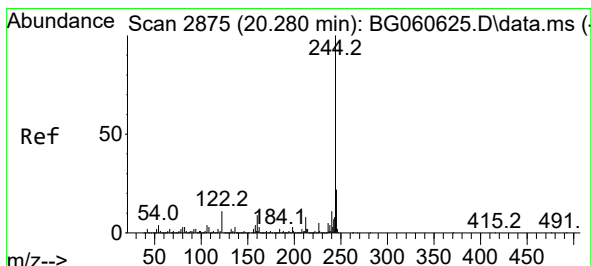
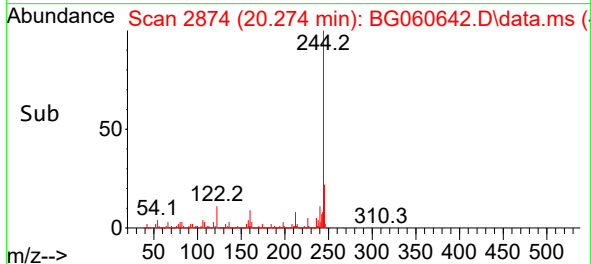
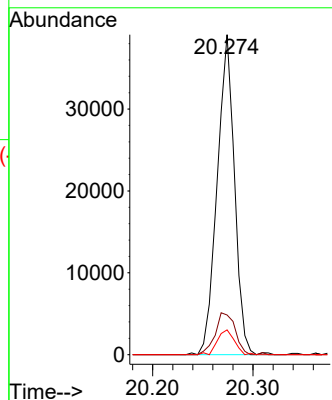
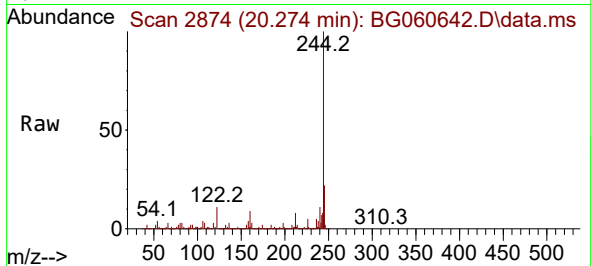




#77  
Benzidine  
Concen: 3.525 ng  
RT: 20.274 min Scan# 2874  
Delta R.T. 0.352 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

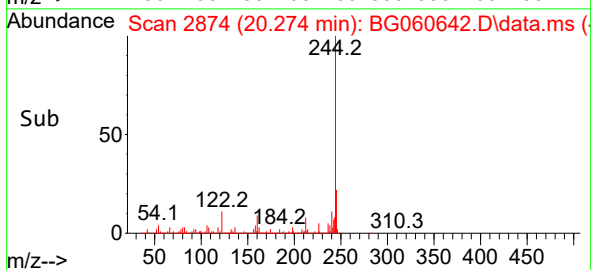
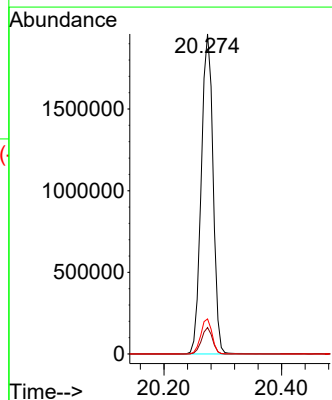
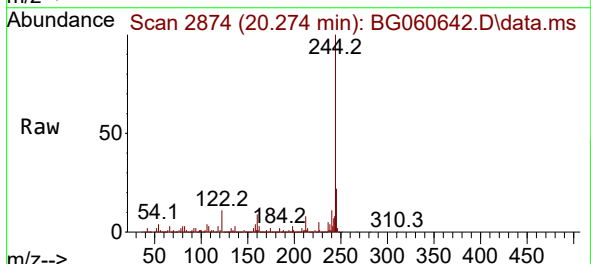
Instrument :  
BNA\_G  
ClientSampleId :  
WC-2

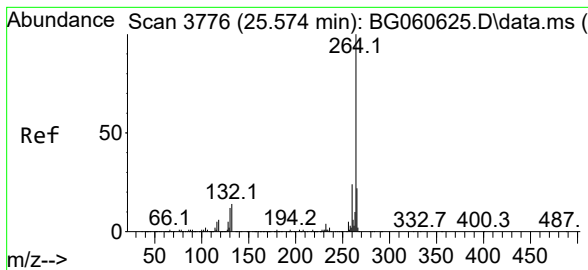
Tgt Ion:184 Resp: 46767  
Ion Ratio Lower Upper  
184 100  
185 12.4 11.7 17.5  
183 7.7 9.2 13.8#



#79  
Terphenyl-d14  
Concen: 90.682 ng  
RT: 20.274 min Scan# 2874  
Delta R.T. -0.006 min  
Lab File: BG060642.D  
Acq: 14 Mar 2024 17:14

Tgt Ion:244 Resp: 2721390  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.6 9.8  
122 10.9 8.5 12.7





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.562 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: BG060642.D  
 Acq: 14 Mar 2024 17:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-2

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:264 | Resp: | 607364      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 23.7  | 19.4 29.2   |
| 265         | 21.3  | 18.1 27.1   |

