

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031424\  
 Data File : BG060650.D  
 Acq On : 15 Mar 2024 23:20  
 Operator : MA/JU  
 Sample : PB159586BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB159586BL

Quant Time: Mar 15 01:40:12 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

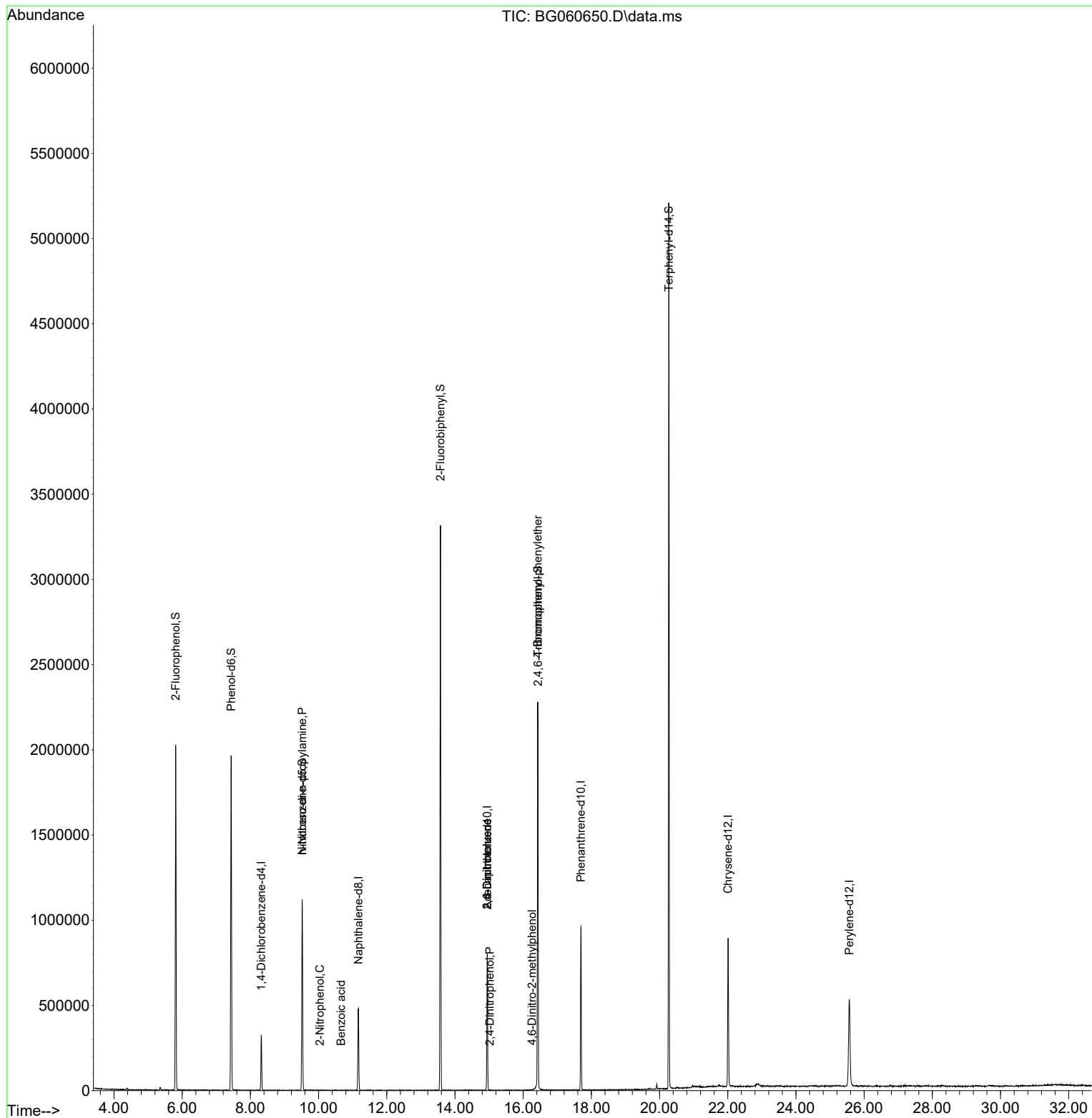
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.319  | 152  | 87880    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.169 | 136  | 398324   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.947 | 164  | 273634   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.697 | 188  | 611698   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.009 | 240  | 536075   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.564 | 264  | 604634   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.811  | 112  | 819045   | 146.510 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.438  | 99   | 1115204  | 137.519 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.518  | 82   | 664309   | 86.796  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.433 | 330  | 428713   | 135.204 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.572 | 172  | 1717861  | 84.881  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.270 | 244  | 2571969  | 86.722  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.518  | 70   | 81657    | 14.527  | ng    | # 77     |
| 26) 2-Nitrophenol             | 10.035 | 139  | 80       | 2.261   | ng    | # 23     |
| 32) Benzoic acid              | 10.664 | 122  | 181      | 6.056   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.947 | 165  | 35834    | 9.476   | ng    | # 17     |
| 54) 2,4-Dinitrophenol         | 15.023 | 184  | 79       | 6.881   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.947 | 165  | 35834    | 7.533   | ng    | # 15     |
| 65) 4,6-Dinitro-2-methylph... | 16.257 | 198  | 80       | 4.841   | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 28379    | 4.302   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

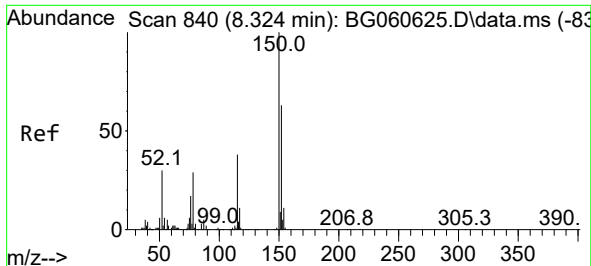
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031424\  
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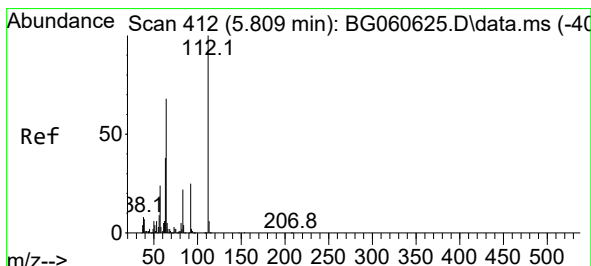
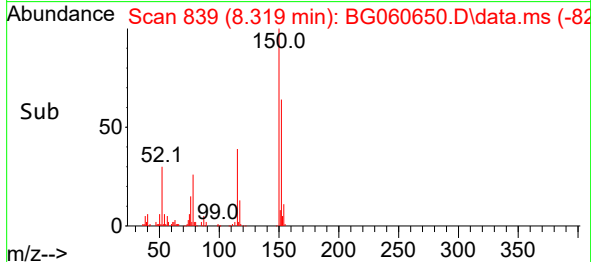
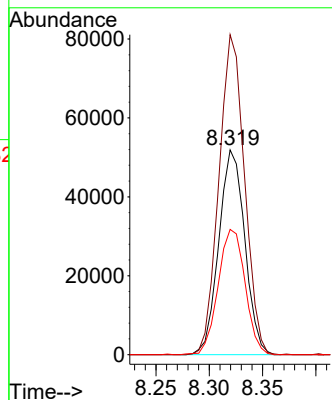
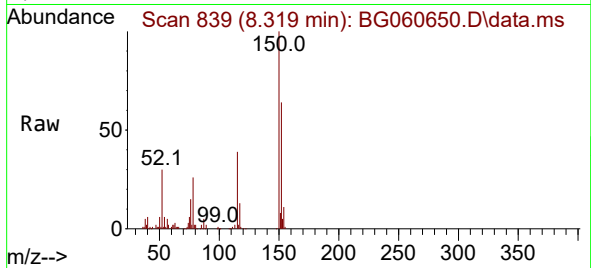




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.319 min Scan# 81  
 Delta R.T. -0.005 min  
 Lab File: BG060650.D  
 Acq: 15 Mar 2024 23:20

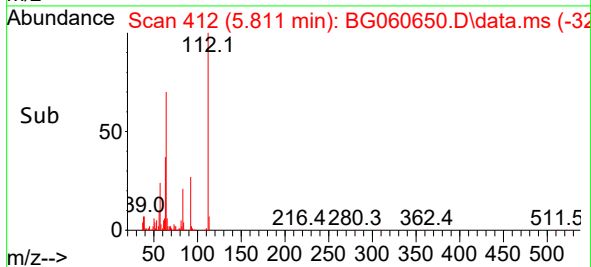
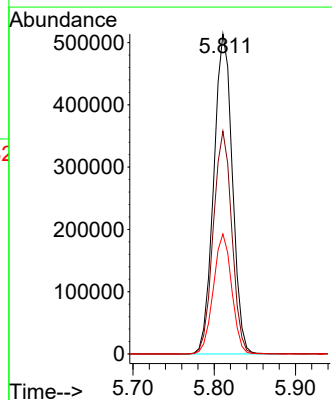
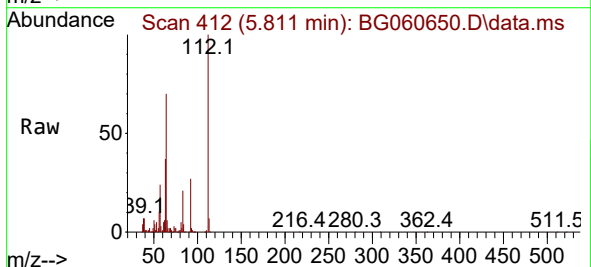
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB159586BL

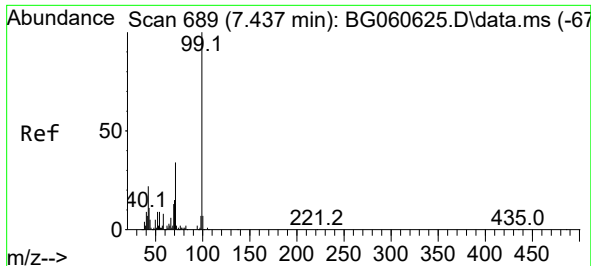
Tgt Ion:152 Resp: 87880  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 126.6 190.0  
 115 61.2 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 146.510 ng  
 RT: 5.811 min Scan# 412  
 Delta R.T. 0.001 min  
 Lab File: BG060650.D  
 Acq: 15 Mar 2024 23:20

Tgt Ion:112 Resp: 819045  
 Ion Ratio Lower Upper  
 112 100  
 64 69.6 54.1 81.1  
 63 37.5 30.3 45.5

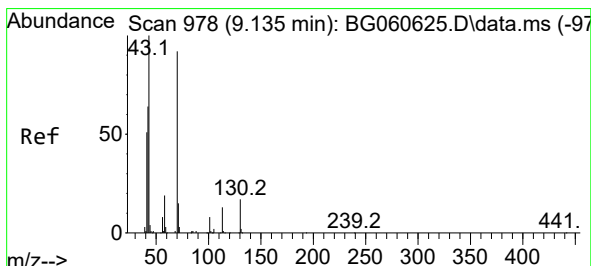
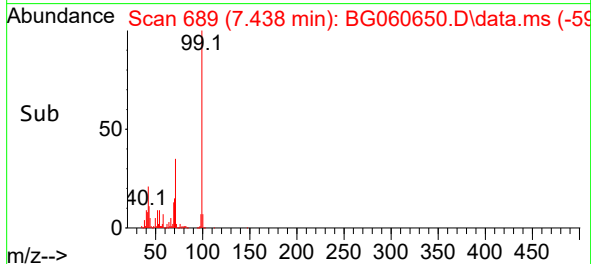
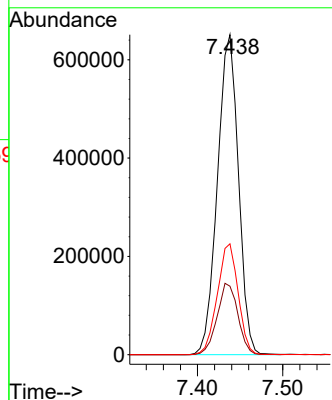
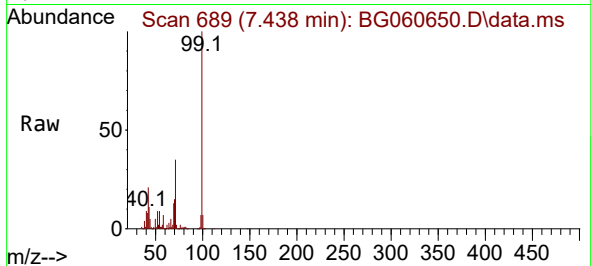




#7  
Phenol-d6  
Concen: 137.519 ng  
RT: 7.438 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

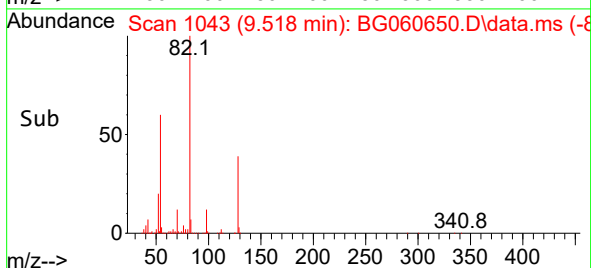
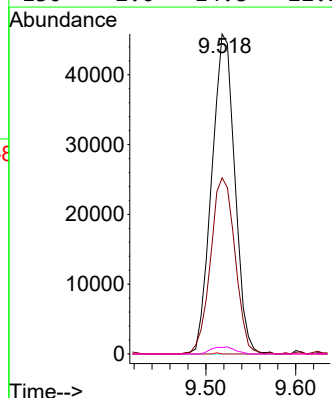
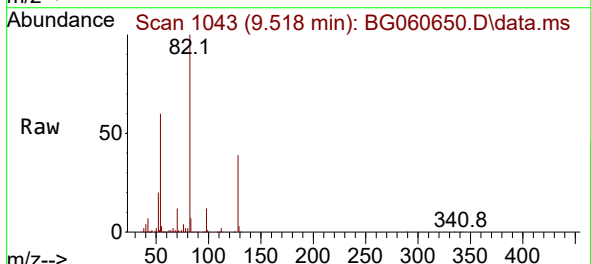
Instrument :  
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ClientSampleId :  
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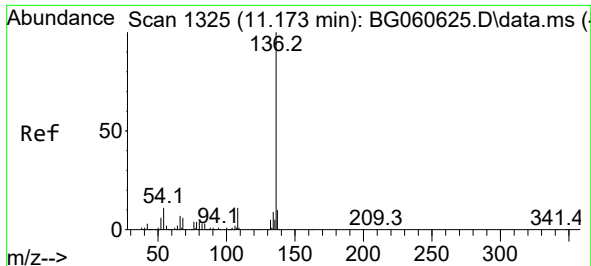
Tgt Ion: 99 Resp: 1115204  
Ion Ratio Lower Upper  
99 100  
42 21.4 17.5 26.3  
71 34.7 27.4 41.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.527 ng  
RT: 9.518 min Scan# 1043  
Delta R.T. 0.383 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion: 70 Resp: 81657  
Ion Ratio Lower Upper  
70 100  
42 55.0 56.2 84.2#  
101 0.0 7.4 11.0#  
130 2.0 14.8 22.2#

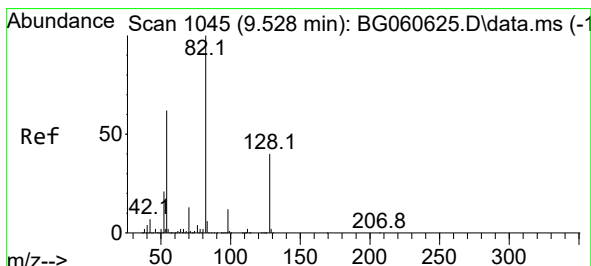
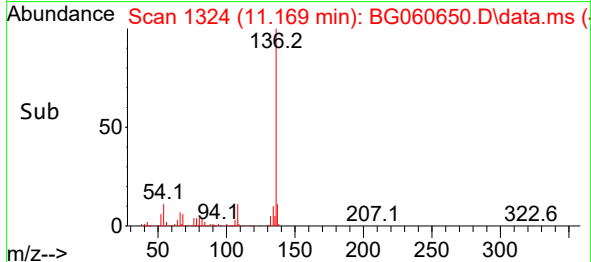
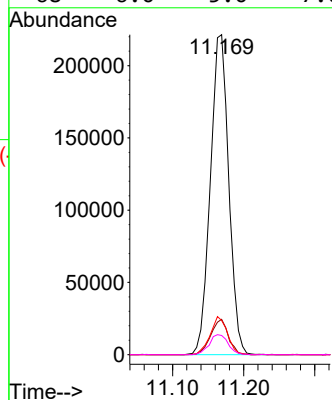
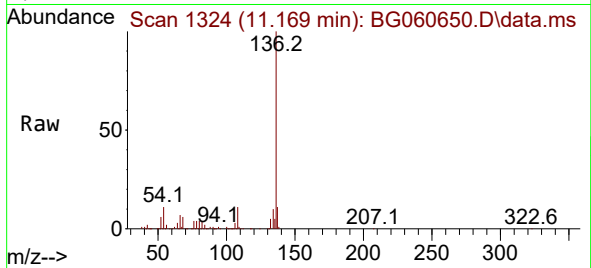




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.169 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

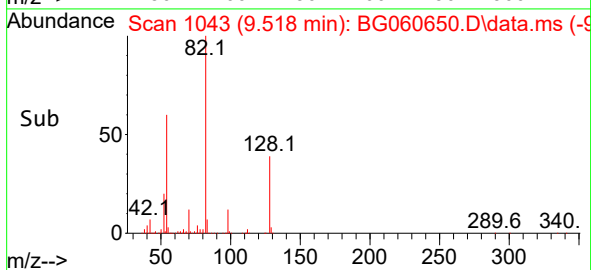
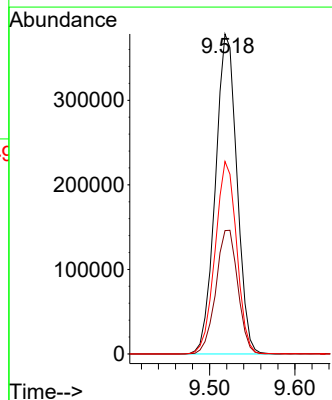
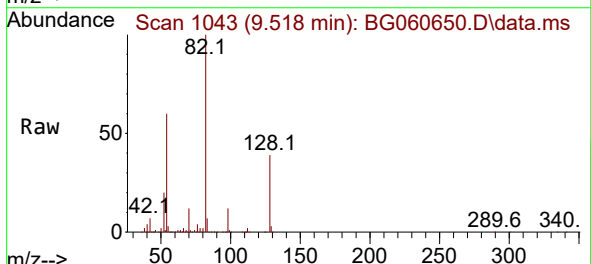
Instrument :  
BNA\_G  
ClientSampleId :  
PB159586BL

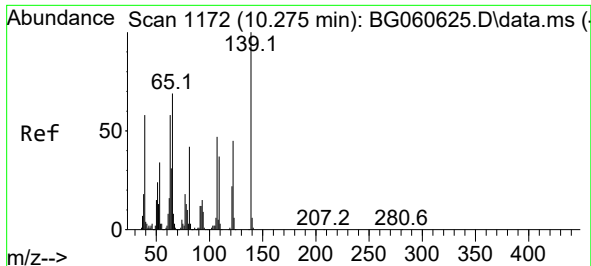
Tgt Ion:136 Resp: 398324  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 10.7 8.5 12.7  
68 6.0 5.0 7.6



#23  
Nitrobenzene-d5  
Concen: 86.796 ng  
RT: 9.518 min Scan# 1043  
Delta R.T. -0.010 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion: 82 Resp: 664309  
Ion Ratio Lower Upper  
82 100  
128 38.5 31.6 47.4  
54 60.2 49.3 73.9

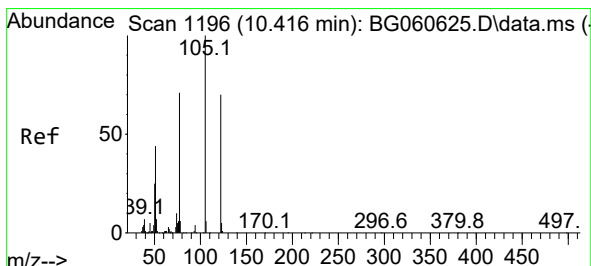
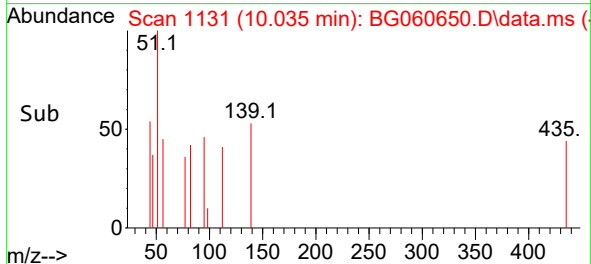
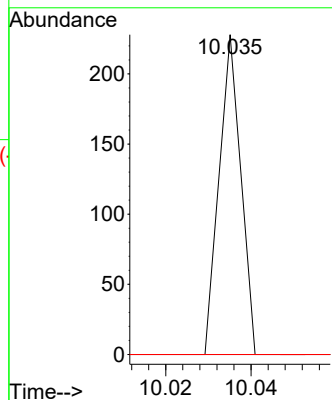
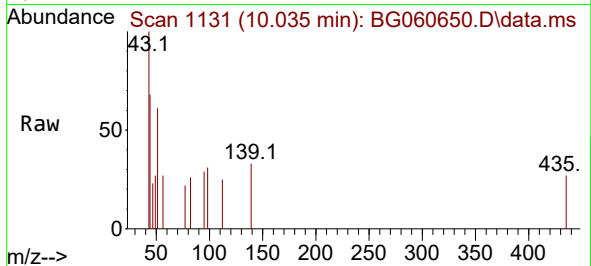




#26  
2-Nitrophenol  
Concen: 2.261 ng  
RT: 10.035 min Scan# 1172  
Delta R.T. -0.240 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

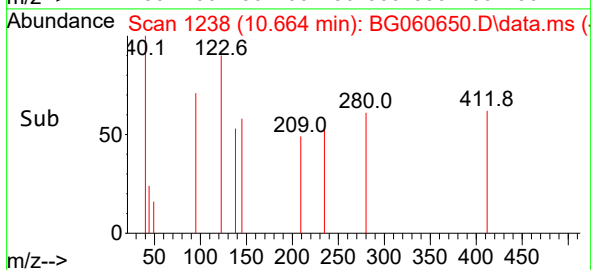
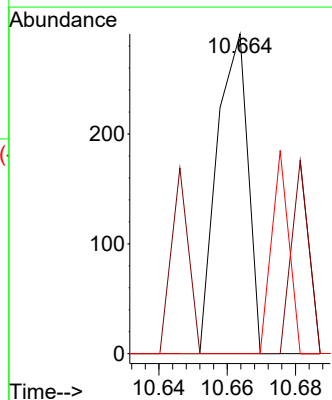
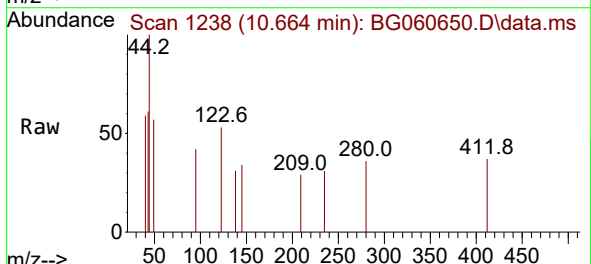
Instrument :  
BNA\_G  
ClientSampleId :  
PB159586BL

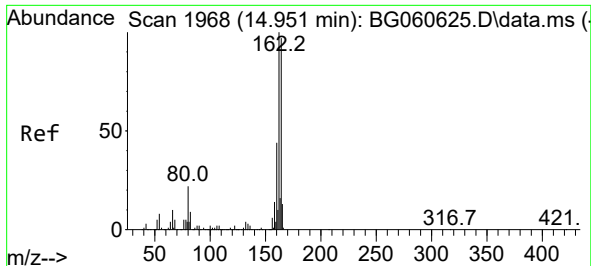
Tgt Ion:139 Resp: 80  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.5 44.3#  
65 0.0 55.0 82.4#



#32  
Benzoic acid  
Concen: 6.056 ng  
RT: 10.664 min Scan# 1238  
Delta R.T. 0.248 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion:122 Resp: 181  
Ion Ratio Lower Upper  
122 100  
105 0.0 115.0 155.0#  
77 0.0 79.0 119.0#

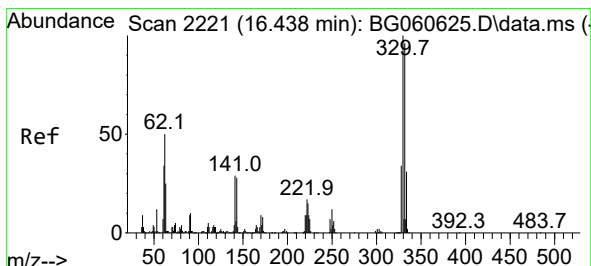
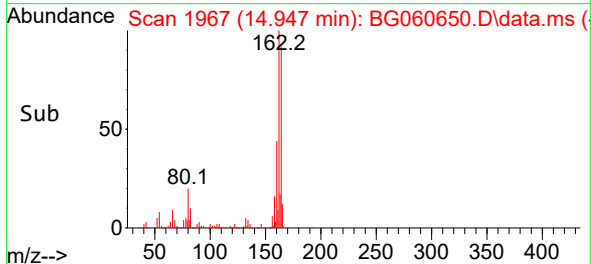
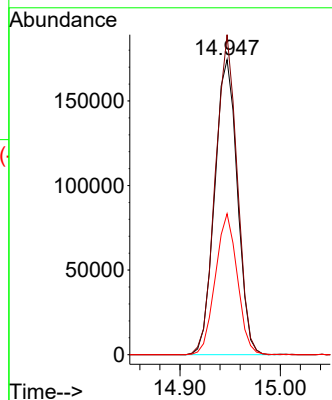
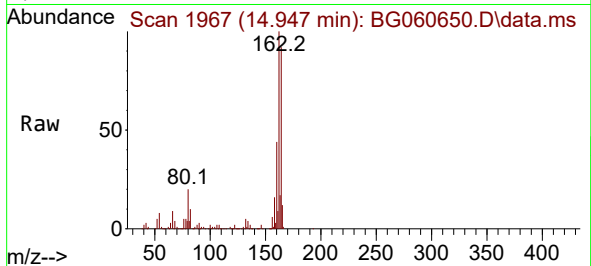




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.947 min Scan# 1967  
Delta R.T. -0.004 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

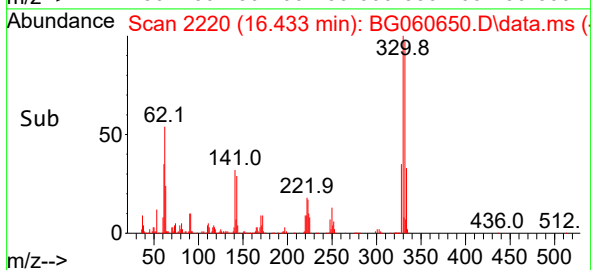
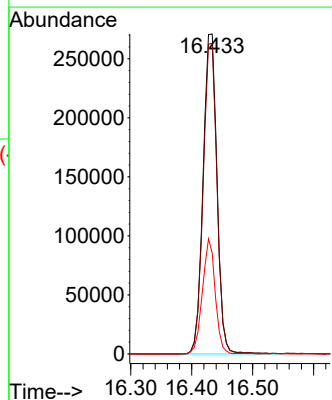
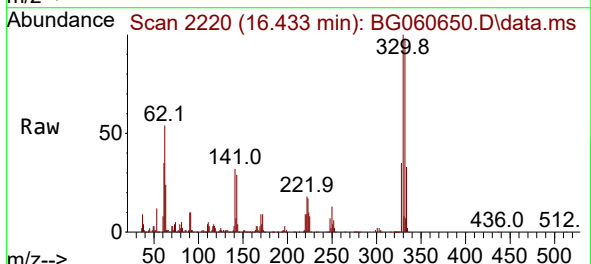
Instrument :  
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ClientSampleId :  
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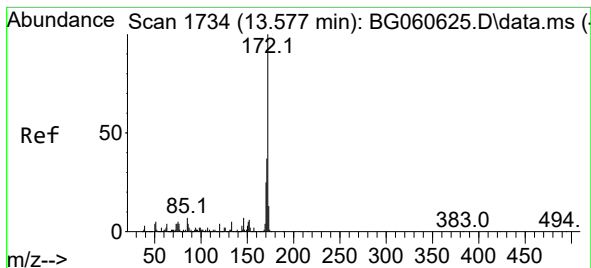
Tgt Ion:164 Resp: 273634  
Ion Ratio Lower Upper  
164 100  
162 108.5 82.5 123.7  
160 47.8 36.4 54.6



#42  
2,4,6-Tribromophenol  
Concen: 135.204 ng  
RT: 16.433 min Scan# 2220  
Delta R.T. -0.004 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion:330 Resp: 428713  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.8 116.8  
141 33.4 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 84.881 ng

RT: 13.572 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG060650.D

Acq: 15 Mar 2024 23:20

Instrument :

BNA\_G

ClientSampleId :

PB159586BL

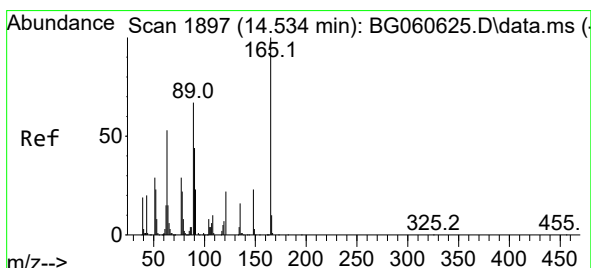
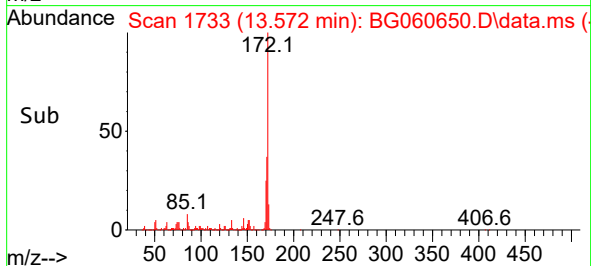
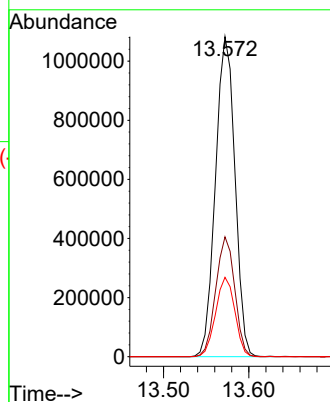
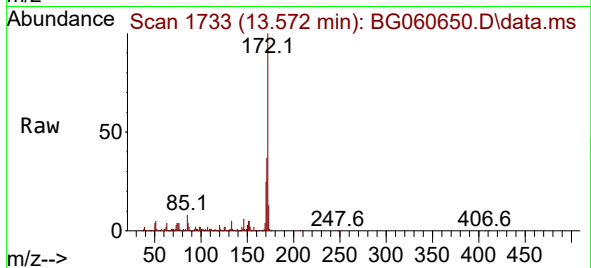
Tgt Ion:172 Resp: 1717861

Ion Ratio Lower Upper

172 100

171 37.5 29.9 44.9

170 24.8 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 9.476 ng

RT: 14.947 min Scan# 1967

Delta R.T. 0.413 min

Lab File: BG060650.D

Acq: 15 Mar 2024 23:20

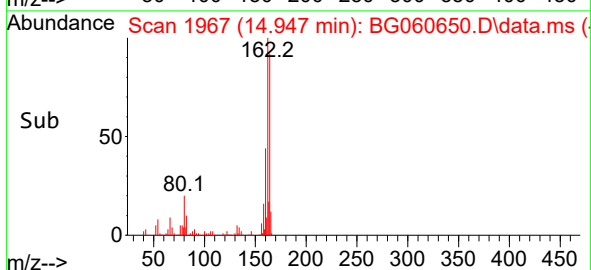
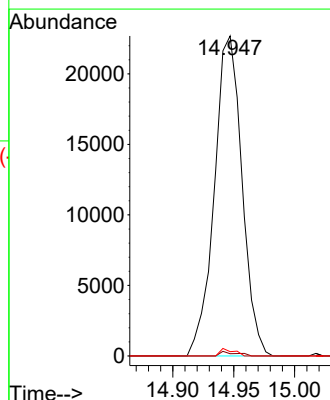
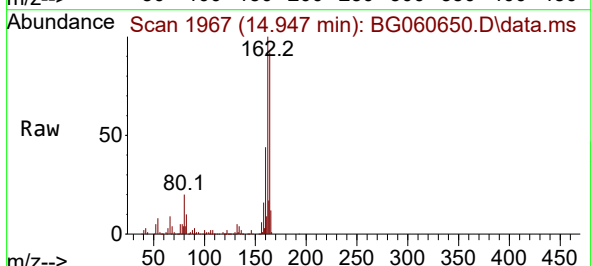
Tgt Ion:165 Resp: 35834

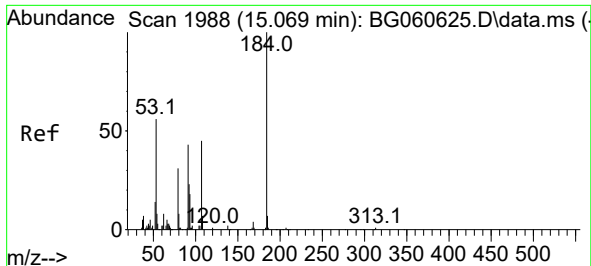
Ion Ratio Lower Upper

165 100

63 0.7 55.8 83.6#

89 1.3 54.1 81.1#

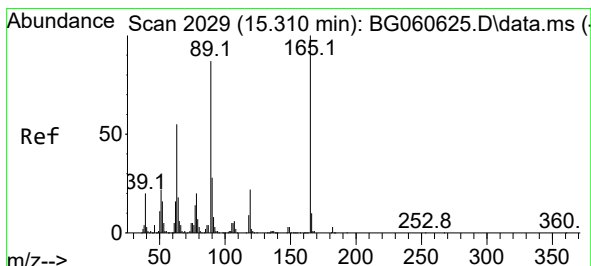
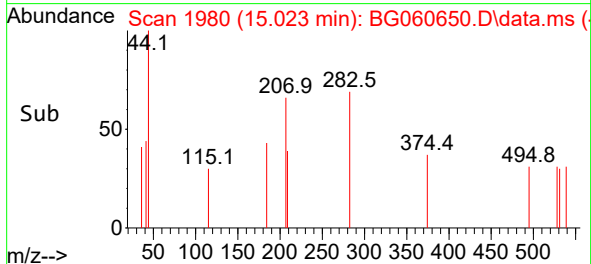
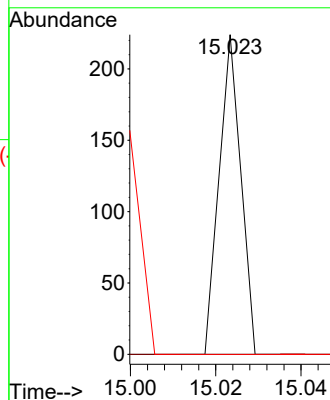
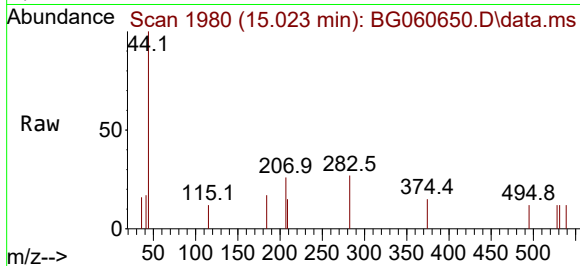




#54  
2,4-Dinitrophenol  
Concen: 6.881 ng  
RT: 15.023 min Scan# 1988  
Delta R.T. -0.046 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

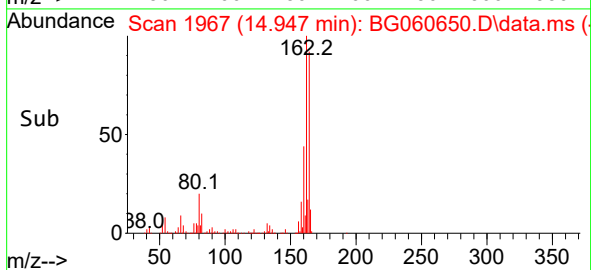
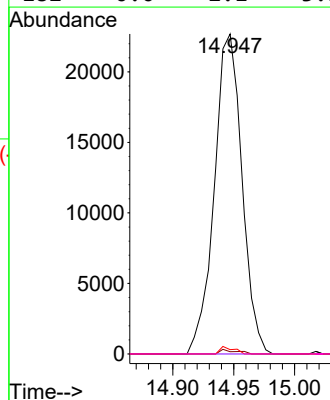
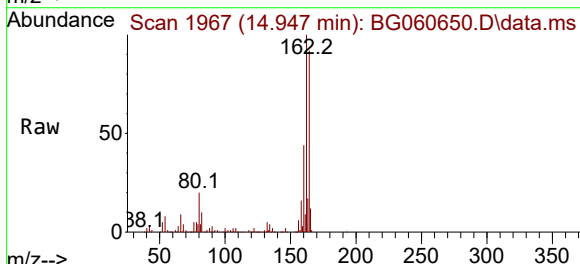
Instrument :  
BNA\_G  
ClientSampleId :  
PB159586BL

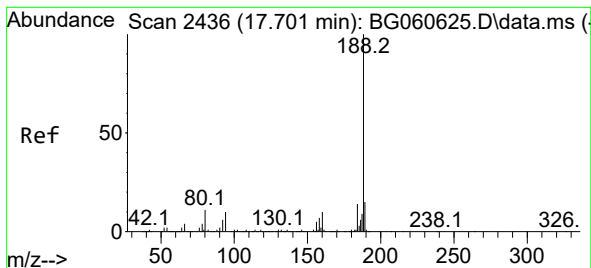
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Ion Ratio Lower Upper  
184 100  
63 0.0 54.4 81.6#  
154 0.0 50.4 75.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.533 ng  
RT: 14.947 min Scan# 1967  
Delta R.T. -0.363 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion:165 Resp: 35834  
Ion Ratio Lower Upper  
165 100  
63 0.7 44.1 66.1#  
89 1.3 69.7 104.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.697 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG060650.D

Acq: 15 Mar 2024 23:20

Instrument :

BNA\_G

ClientSampleId :

PB159586BL

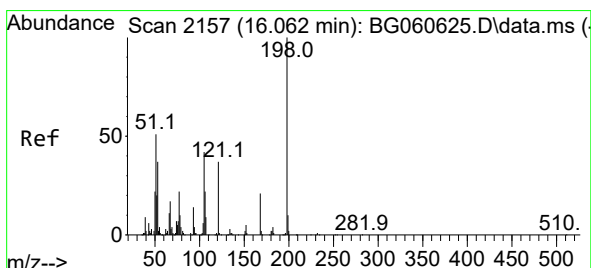
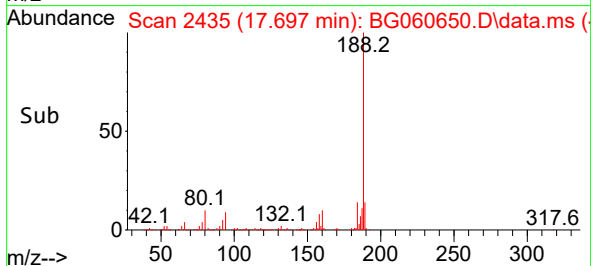
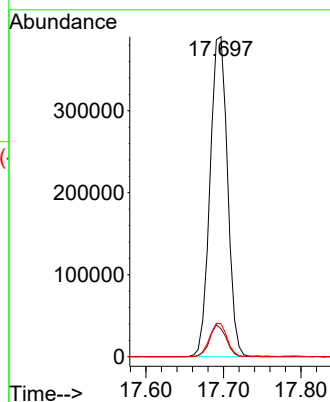
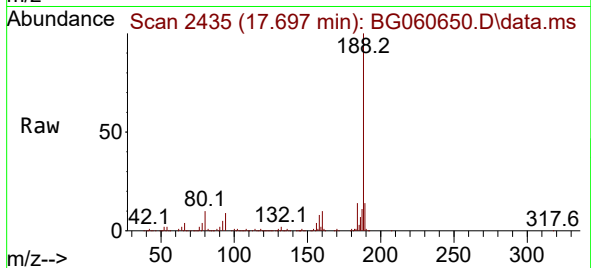
Tgt Ion:188 Resp: 611698

Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

80 10.3 8.6 13.0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.841 ng

RT: 16.257 min Scan# 2190

Delta R.T. 0.195 min

Lab File: BG060650.D

Acq: 15 Mar 2024 23:20

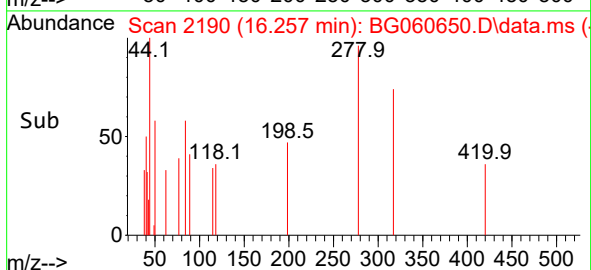
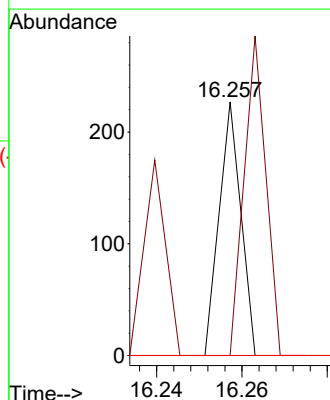
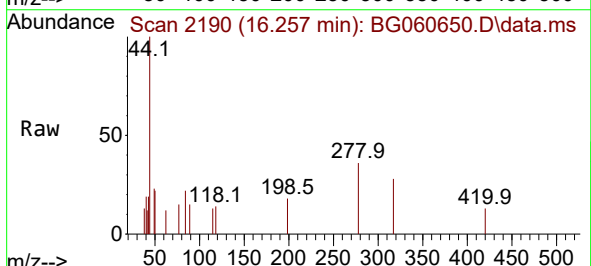
Tgt Ion:198 Resp: 80

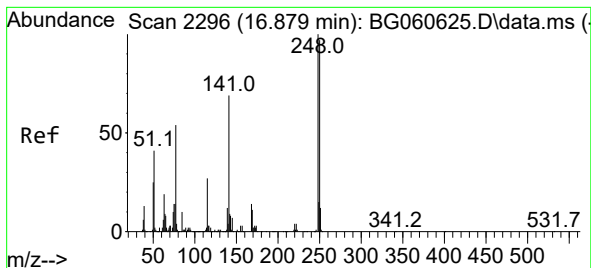
Ion Ratio Lower Upper

198 100

51 0.0 36.9 76.9#

105 0.0 22.4 62.4#

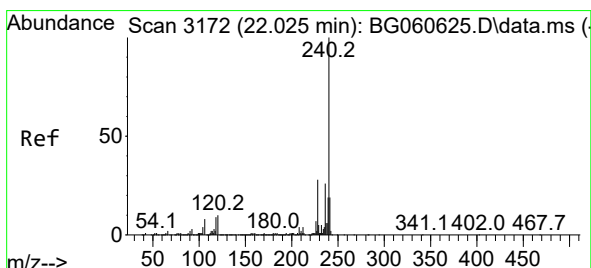
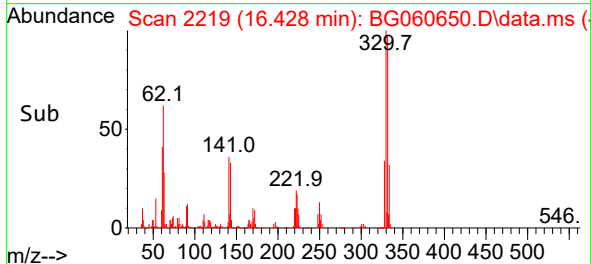
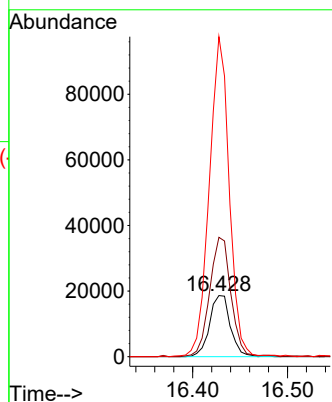
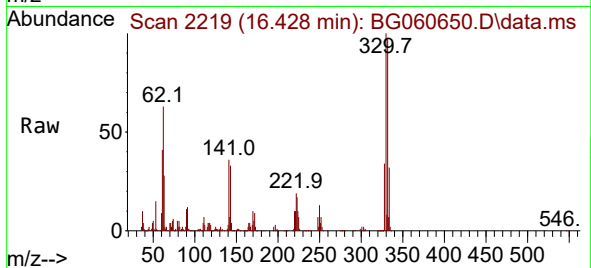




#67  
4-Bromophenyl-phenylether  
Concen: 4.302 ng  
RT: 16.428 min Scan# 21  
Delta R.T. -0.451 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

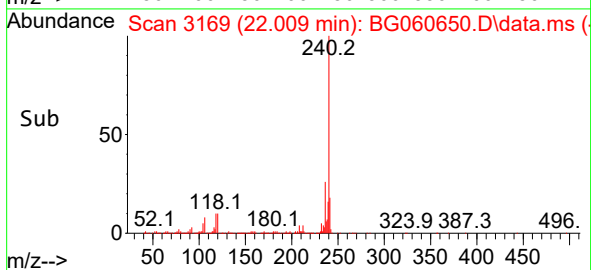
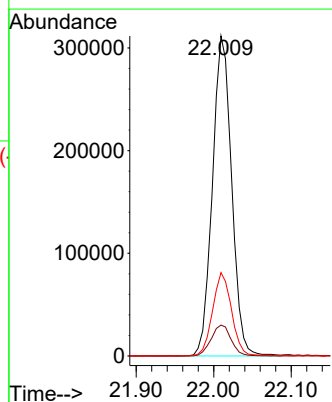
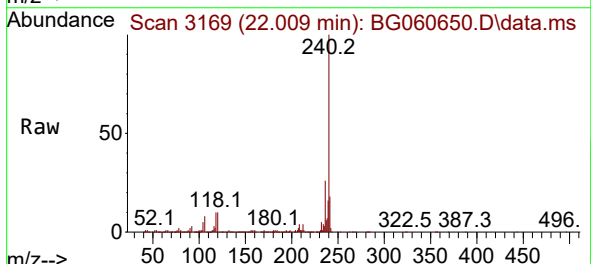
Instrument :  
BNA\_G  
ClientSampleId :  
PB159586BL

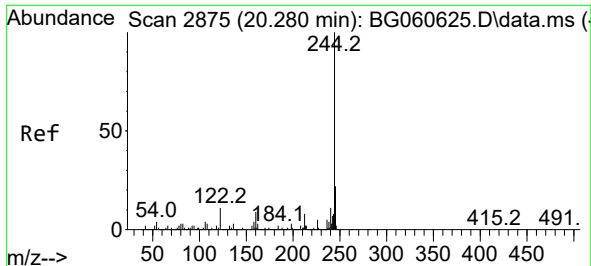
Tgt Ion:248 Resp: 28379  
Ion Ratio Lower Upper  
248 100  
250 195.4 77.8 116.6#  
141 523.9 55.1 82.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.009 min Scan# 3169  
Delta R.T. -0.016 min  
Lab File: BG060650.D  
Acq: 15 Mar 2024 23:20

Tgt Ion:240 Resp: 536075  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.8 11.8  
236 26.1 20.6 31.0

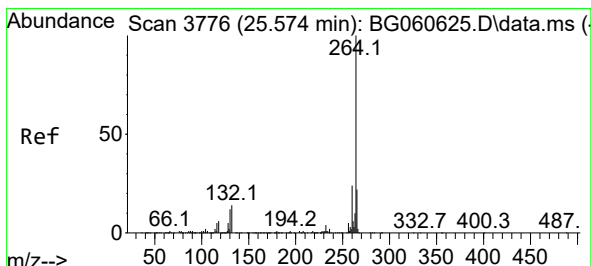
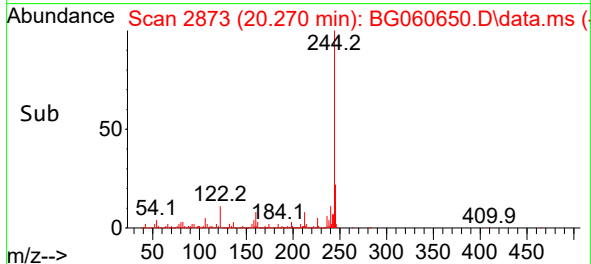
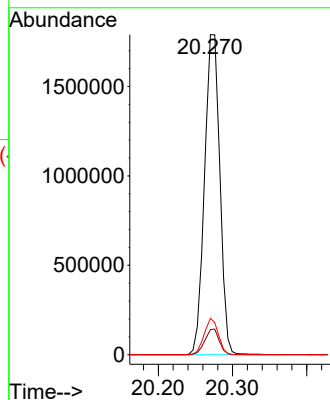
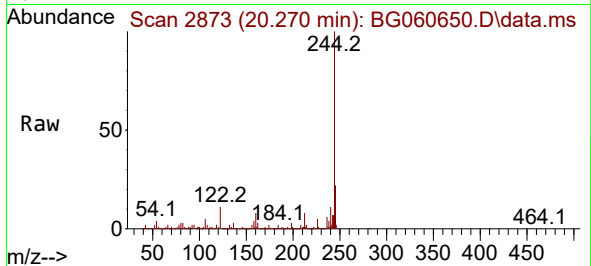




#79  
 Terphenyl-d14  
 Concen: 86.722 ng  
 RT: 20.270 min Scan# 21  
 Delta R.T. -0.010 min  
 Lab File: BG060650.D  
 Acq: 15 Mar 2024 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB159586BL

Tgt Ion:244 Resp: 2571969  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.6 9.8  
 122 11.3 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.564 min Scan# 3774  
 Delta R.T. -0.010 min  
 Lab File: BG060650.D  
 Acq: 15 Mar 2024 23:20

Tgt Ion:264 Resp: 604634  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 19.4 29.2  
 265 22.1 18.1 27.1

