

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052423\  
 Data File : BG057537.D  
 Acq On : 24 May 2023 16:04  
 Operator : CG/JU  
 Sample : PB152987BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152987BL

Quant Time: May 25 02:24:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 02:19:01 2023  
 Response via : Initial Calibration

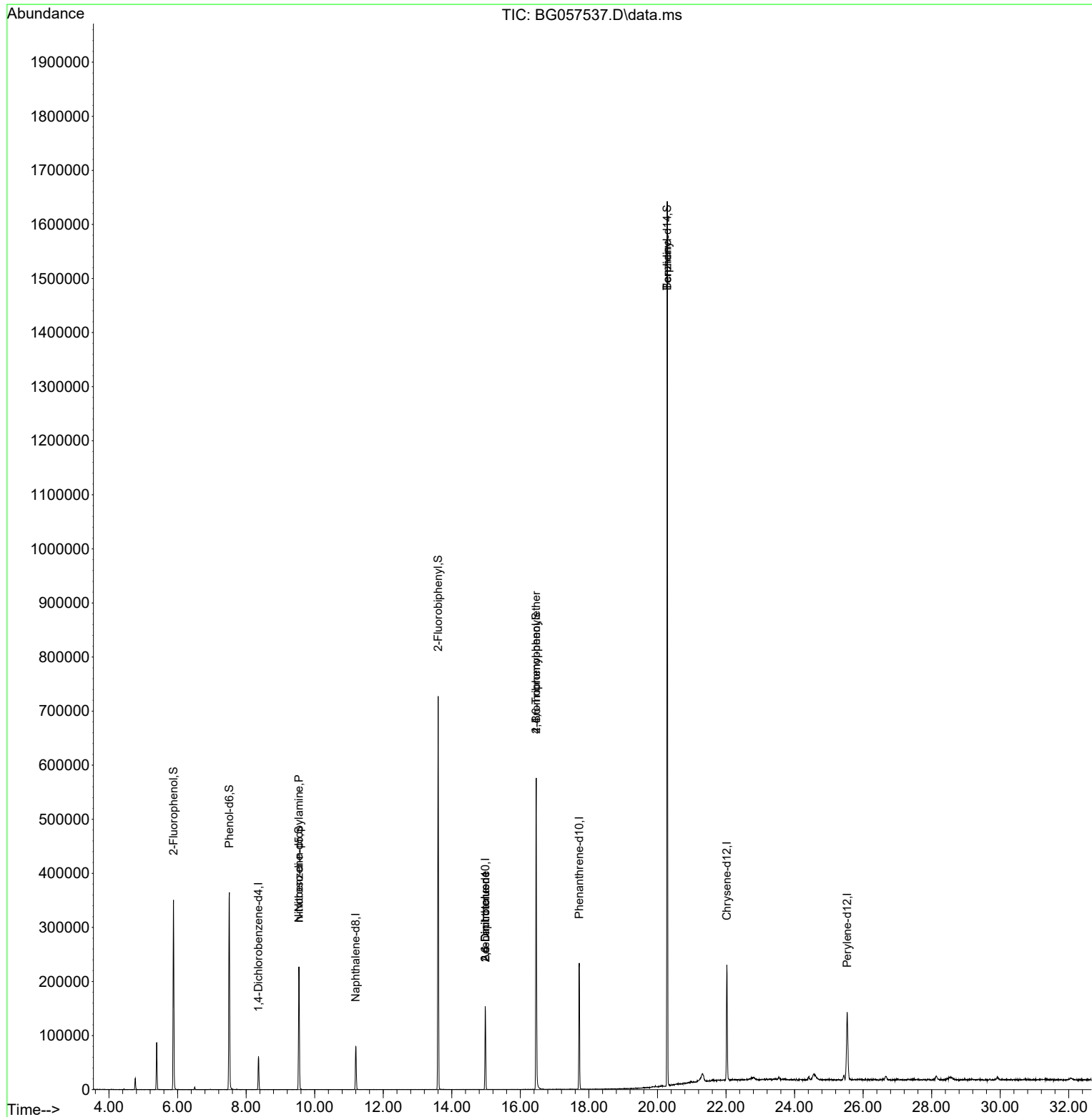
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.361  | 152  | 18505    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.199 | 136  | 74344    | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.976 | 164  | 59319    | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.719 | 188  | 161953   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 22.025 | 240  | 143241   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 25.532 | 264  | 151879   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.882  | 112  | 159740   | 147.664   | ng     | 0.00     |
| 7) Phenol-d6                  | 7.510  | 99   | 230498   | 140.315   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.542  | 82   | 147882   | 83.486    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.462 | 330  | 130326   | 154.841   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.601 | 172  | 388178   | 88.133    | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.286 | 244  | 863691   | 98.399    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
| 9) Benzaldehyde               | 7.498  | 77   | 369      | Below Cal | Qvalue | # 4      |
| 19) n-Nitroso-di-n-propyla... | 9.542  | 70   | 20131    | 16.071    | ng     | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.976 | 165  | 7712     | 7.749     | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.976 | 165  | 7712     | 5.422     | ng     | # 20     |
| 67) 4-Bromophenyl-phenylether | 16.462 | 248  | 8706     | 4.404     | ng     | # 1      |
| 77) Benzidine                 | 20.286 | 184  | 12751    | 3.982     | ng     | # 83     |
| -----                         |        |      |          |           |        |          |

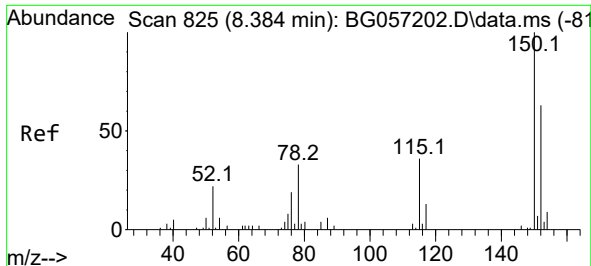
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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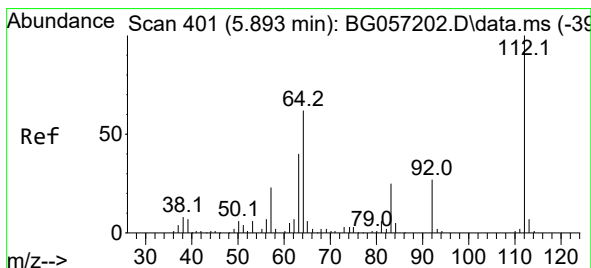
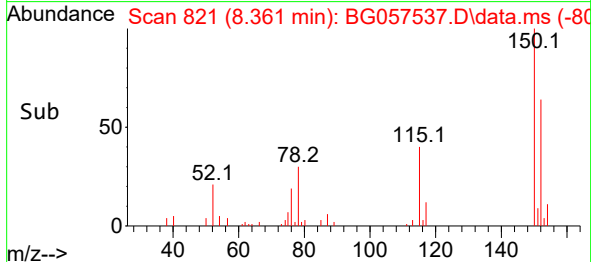
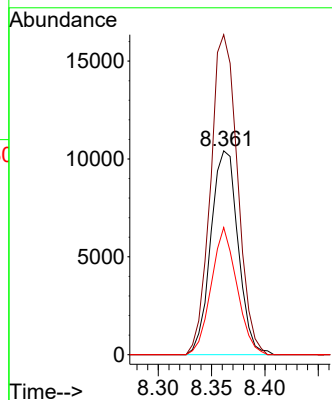
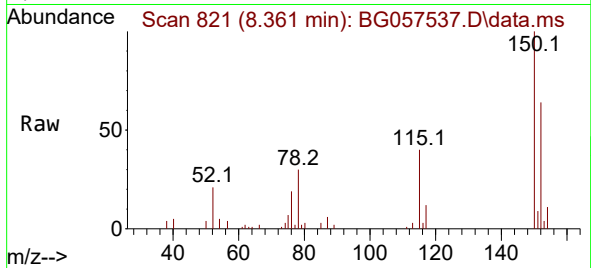




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.361 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

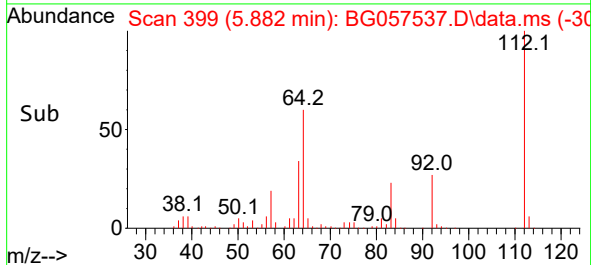
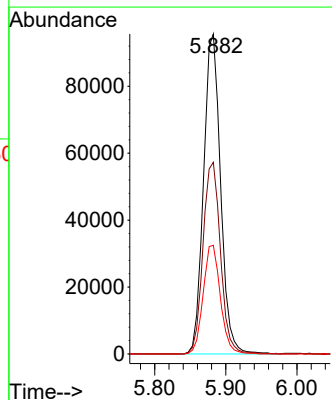
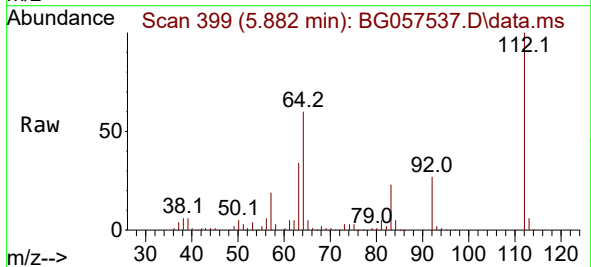
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BNA\_G  
ClientSampleId :  
PB152987BL

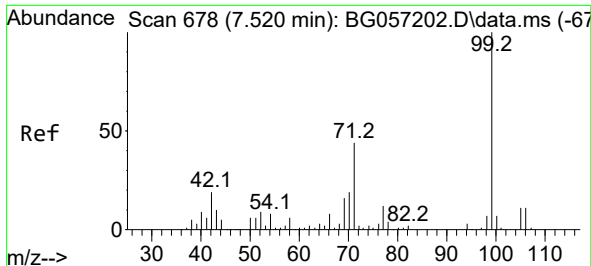
Tgt Ion:152 Resp: 18505  
Ion Ratio Lower Upper  
152 100  
150 157.0 126.2 189.4  
115 62.4 45.0 67.4



#5  
2-Fluorophenol  
Concen: 147.664 ng  
RT: 5.882 min Scan# 399  
Delta R.T. 0.007 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion:112 Resp: 159740  
Ion Ratio Lower Upper  
112 100  
64 59.9 49.4 74.2  
63 33.9 31.6 47.4

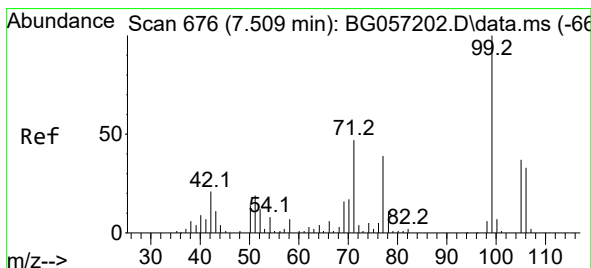
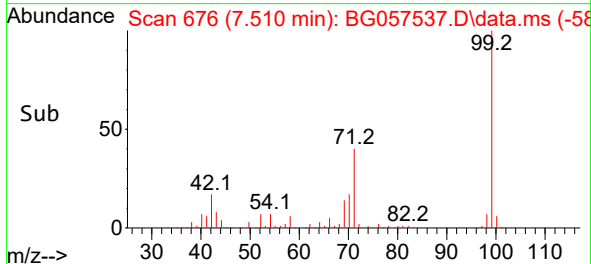
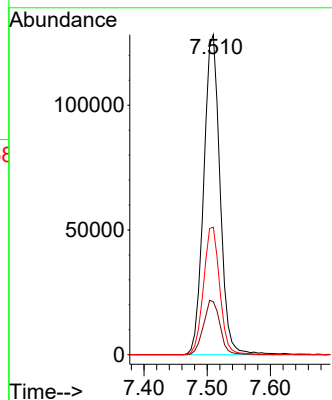
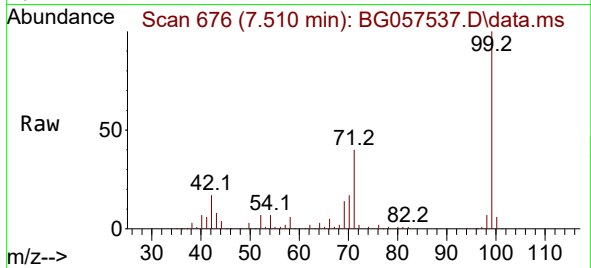




#7  
Phenol-d6  
Concen: 140.315 ng  
RT: 7.510 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

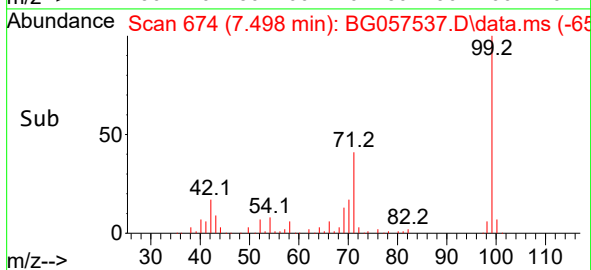
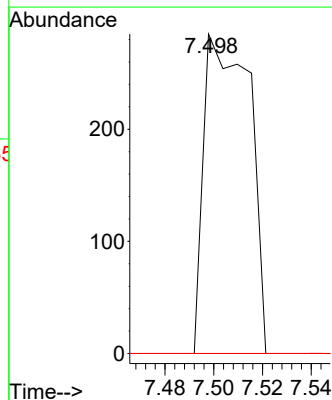
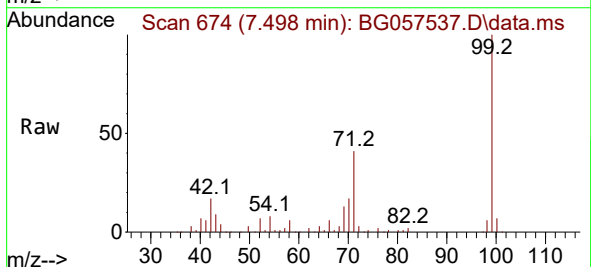
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BL

Tgt Ion: 99 Resp: 230498  
Ion Ratio Lower Upper  
99 100  
42 16.6 15.1 22.7  
71 39.9 35.2 52.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.498 min Scan# 674  
Delta R.T. 0.007 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

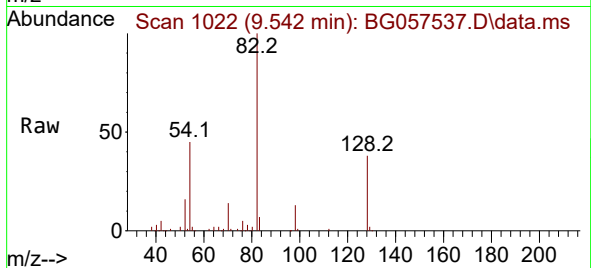
Tgt Ion: 77 Resp: 369  
Ion Ratio Lower Upper  
77 100  
105 0.0 74.6 114.6#  
106 0.0 66.3 106.3#



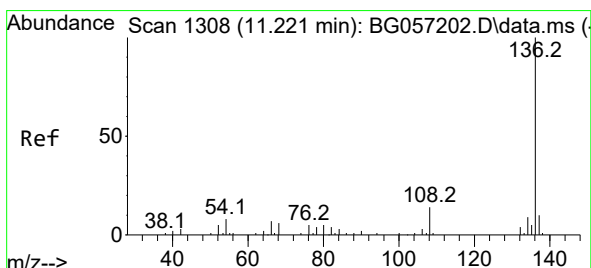
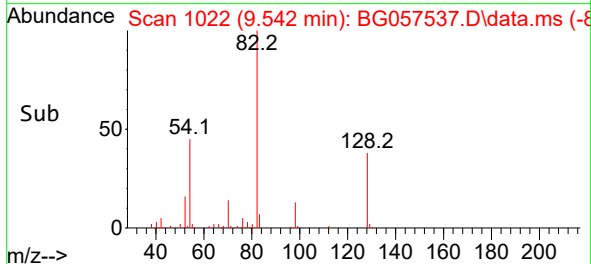
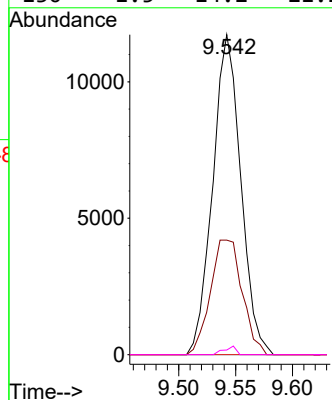


#19  
n-Nitroso-di-n-propylamine  
Concen: 16.071 ng  
RT: 9.542 min Scan# 1022  
Delta R.T. 0.378 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BL

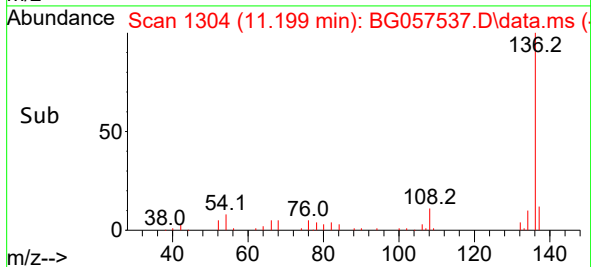
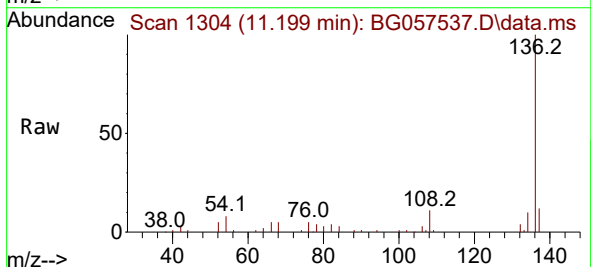
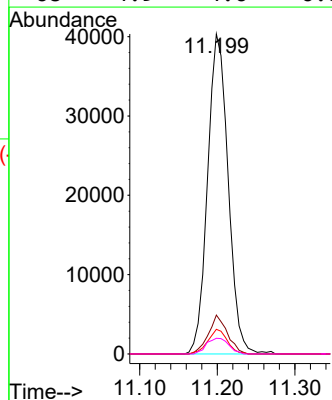


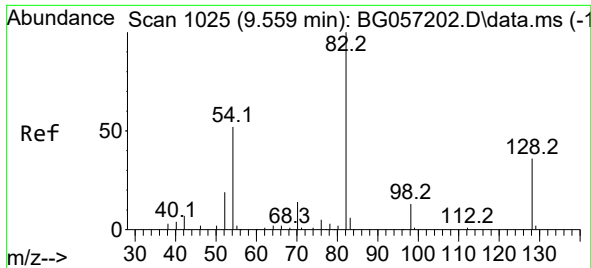
Tgt Ion: 70 Resp: 20131  
Ion Ratio Lower Upper  
70 100  
42 35.8 41.8 62.8#  
101 0.0 6.8 10.2#  
130 1.5 14.2 21.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.199 min Scan# 1304  
Delta R.T. -0.004 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion: 136 Resp: 74344  
Ion Ratio Lower Upper  
136 100  
137 12.1 8.3 12.5  
54 7.7 6.7 10.1  
68 4.9 4.6 6.8

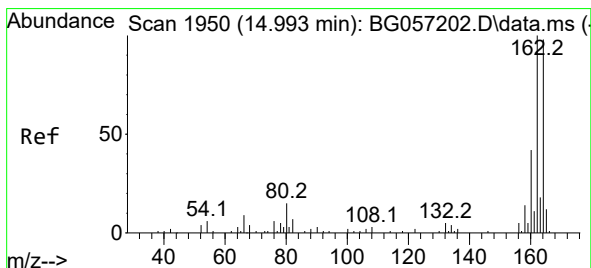
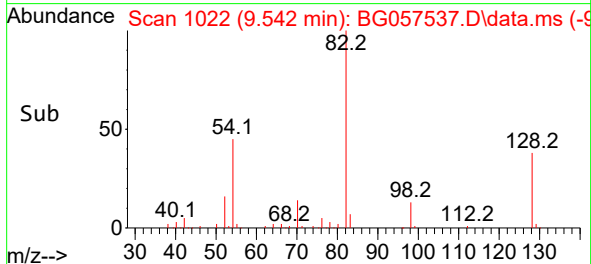
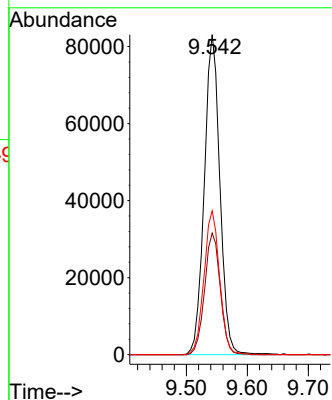
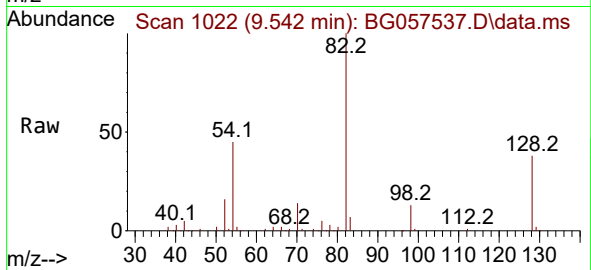




#23  
Nitrobenzene-d5  
Concen: 83.486 ng  
RT: 9.542 min Scan# 1022  
Delta R.T. -0.004 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

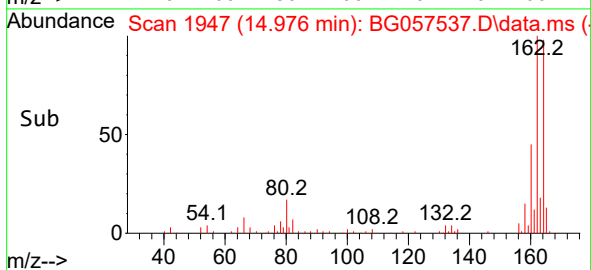
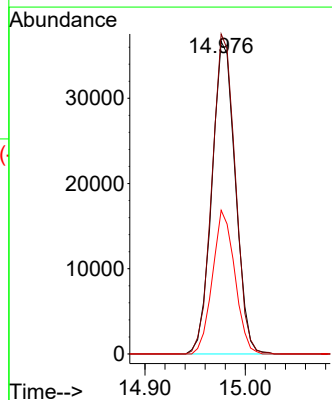
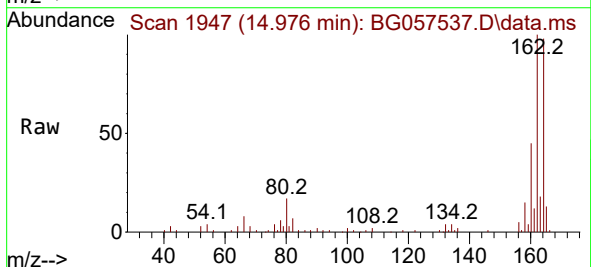
Instrument :  
BNA\_G  
ClientSampleId :  
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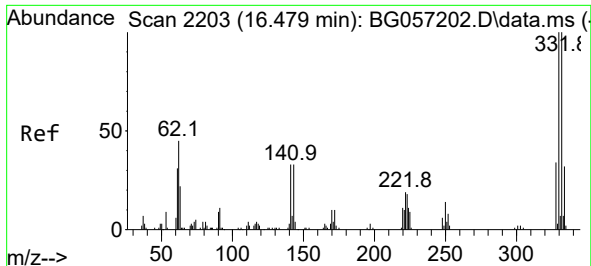
Tgt Ion: 82 Resp: 147882  
Ion Ratio Lower Upper  
82 100  
128 38.0 29.0 43.4  
54 45.0 41.4 62.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.976 min Scan# 1947  
Delta R.T. -0.004 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion:164 Resp: 59319  
Ion Ratio Lower Upper  
164 100  
162 102.4 81.8 122.6  
160 46.0 34.6 52.0

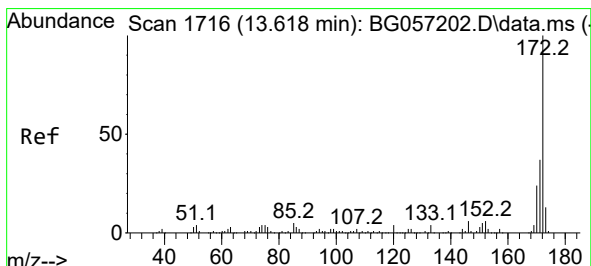
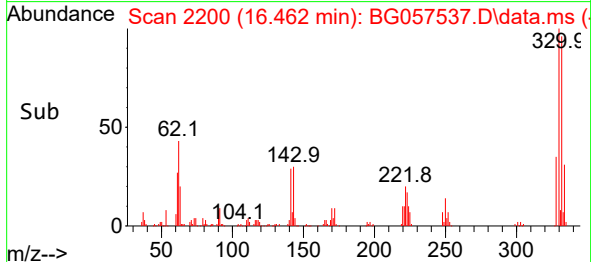
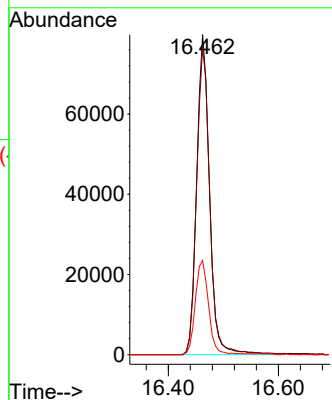
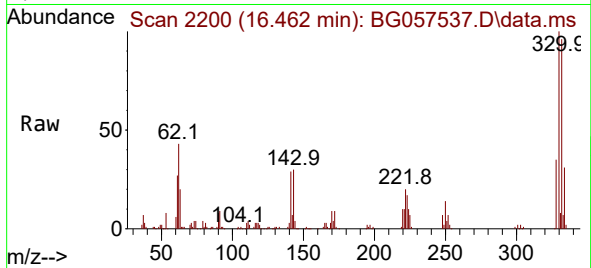




#42  
2,4,6-Tribromophenol  
Concen: 154.841 ng  
RT: 16.462 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

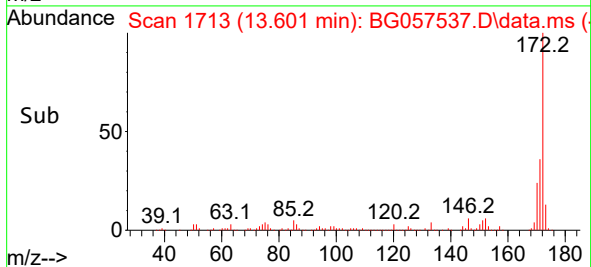
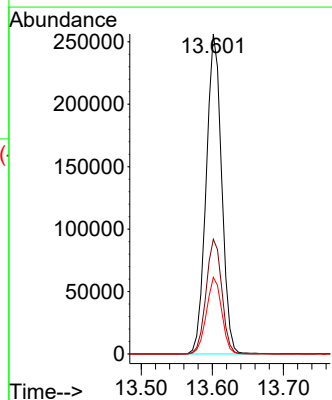
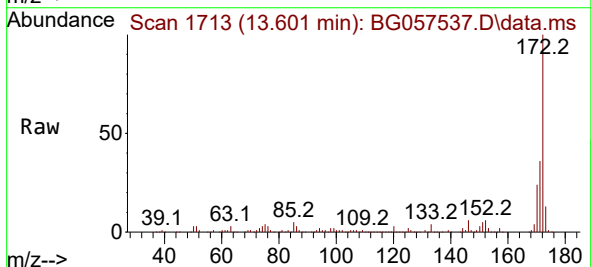
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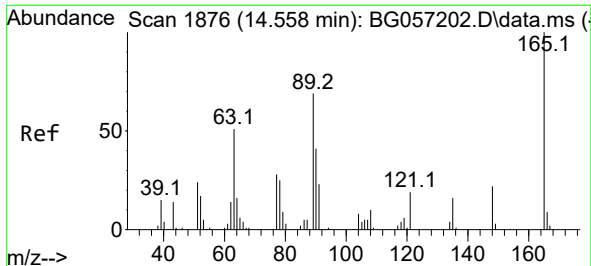
Tgt Ion:330 Resp: 130326  
Ion Ratio Lower Upper  
330 100  
332 97.7 78.2 117.2  
141 30.3 27.8 41.8



#45  
2-Fluorobiphenyl  
Concen: 88.133 ng  
RT: 13.601 min Scan# 1713  
Delta R.T. -0.004 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion:172 Resp: 388178  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 24.0 19.0 28.6

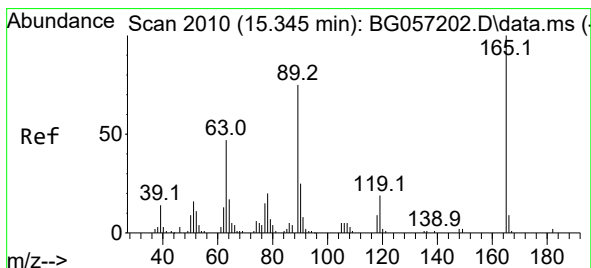
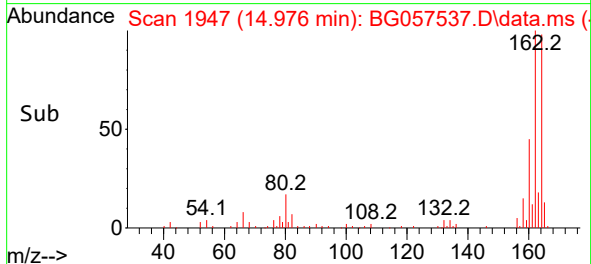
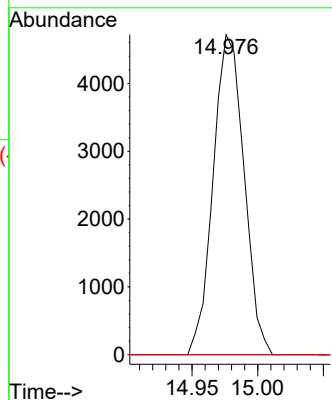
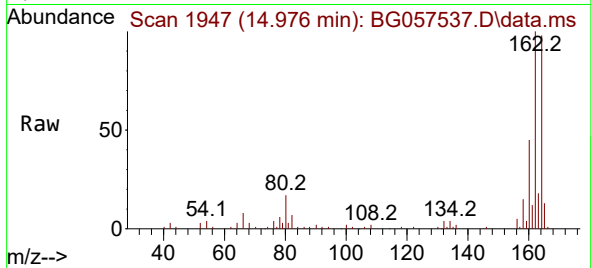




#51  
2,6-Dinitrotoluene  
Concen: 7.749 ng  
RT: 14.976 min Scan# 1947  
Delta R.T. 0.425 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

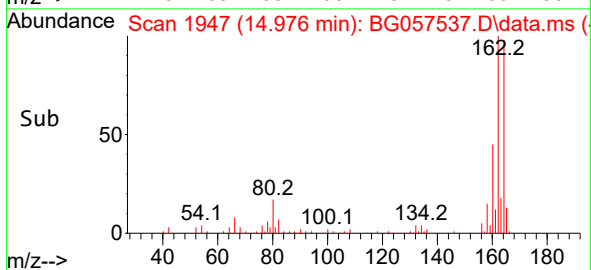
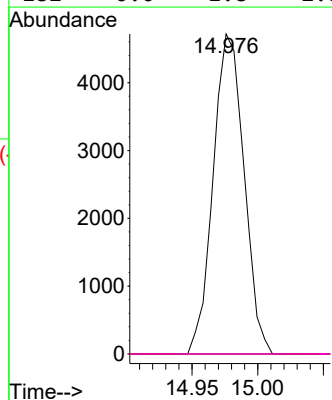
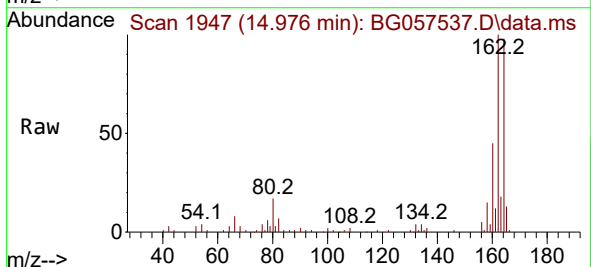
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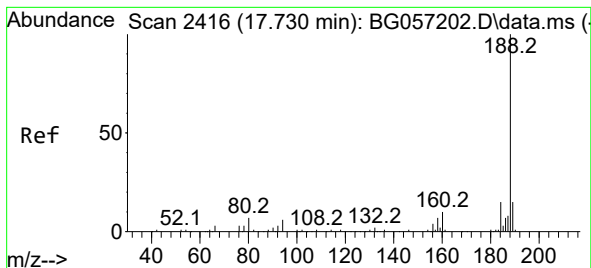
Tgt Ion:165 Resp: 7712  
Ion Ratio Lower Upper  
165 100  
63 0.0 50.9 76.3#  
89 0.0 55.2 82.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.422 ng  
RT: 14.976 min Scan# 1947  
Delta R.T. -0.363 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion:165 Resp: 7712  
Ion Ratio Lower Upper  
165 100  
63 0.0 37.5 56.3#  
89 0.0 60.2 90.4#  
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.719 min Scan# 2416

Delta R.T. -0.004 min

Lab File: BG057537.D

Acq: 24 May 2023 16:04

Instrument :

BNA\_G

ClientSampleId :

PB152987BL

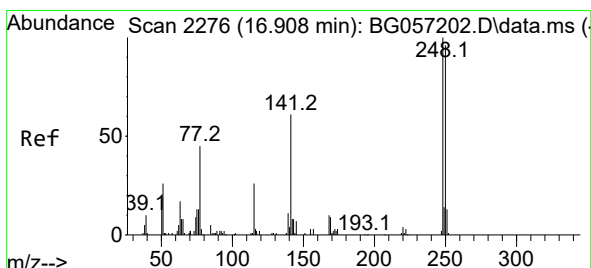
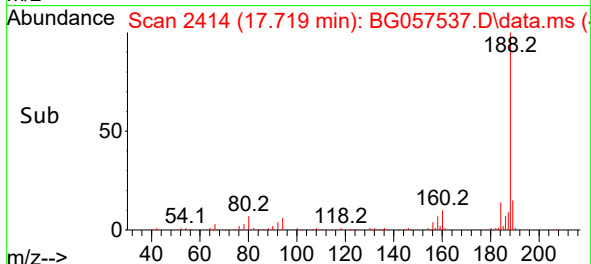
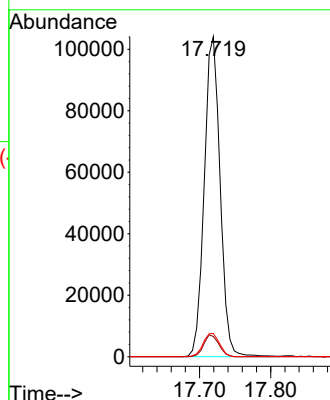
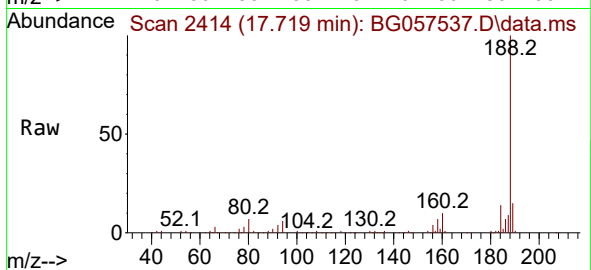
Tgt Ion:188 Resp: 161953

Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.2 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.404 ng

RT: 16.462 min Scan# 2200

Delta R.T. -0.433 min

Lab File: BG057537.D

Acq: 24 May 2023 16:04

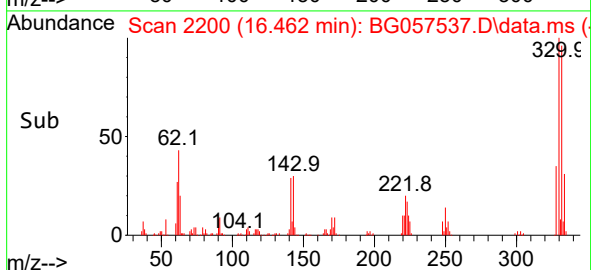
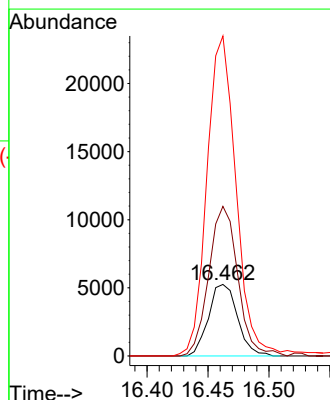
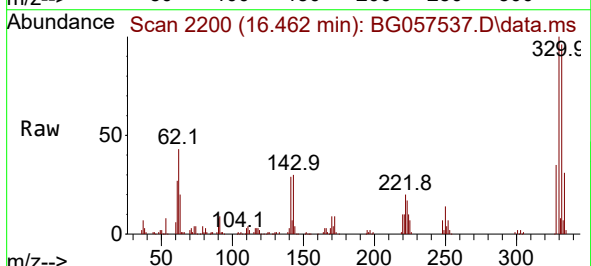
Tgt Ion:248 Resp: 8706

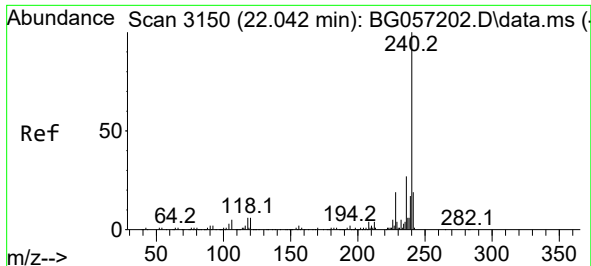
Ion Ratio Lower Upper

248 100

250 209.3 77.0 115.6#

141 447.6 48.6 72.8#

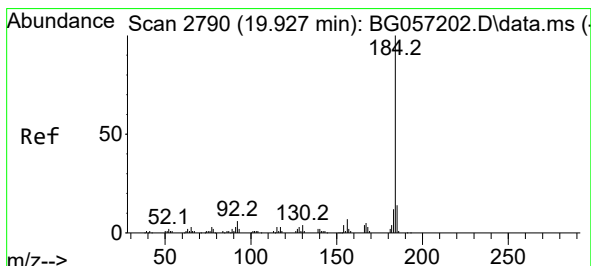
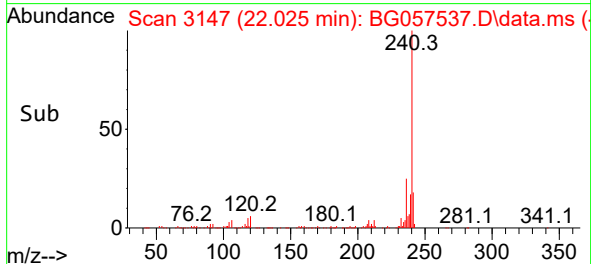
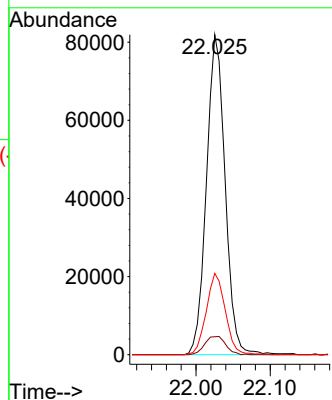
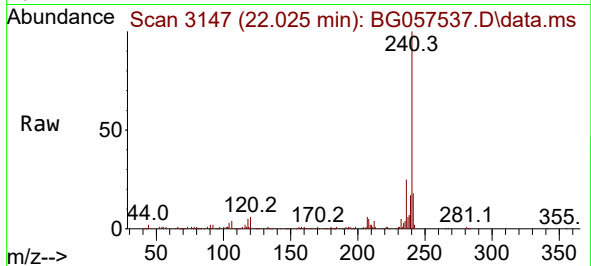




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.025 min Scan# 3150  
Delta R.T. -0.010 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

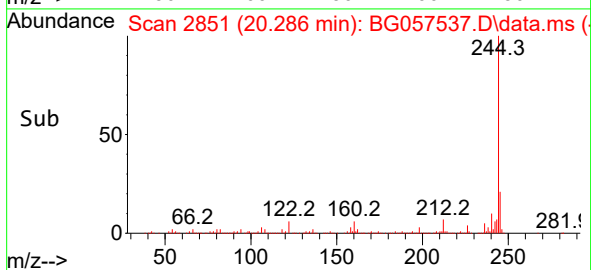
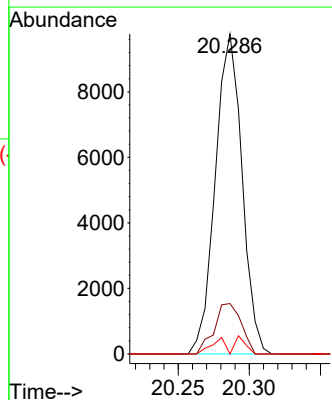
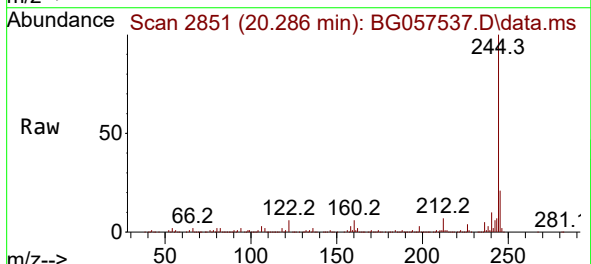
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BL

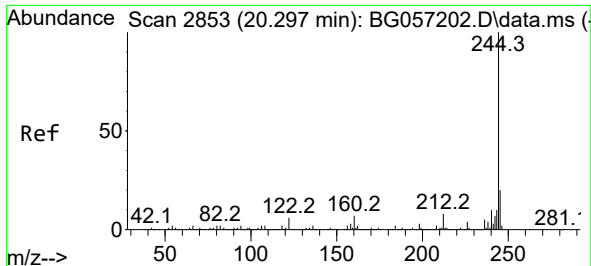
Tgt Ion:240 Resp: 143241  
Ion Ratio Lower Upper  
240 100  
120 5.6 4.9 7.3  
236 25.4 21.4 32.2



#77  
Benzidine  
Concen: 3.982 ng  
RT: 20.286 min Scan# 2851  
Delta R.T. 0.366 min  
Lab File: BG057537.D  
Acq: 24 May 2023 16:04

Tgt Ion:184 Resp: 12751  
Ion Ratio Lower Upper  
184 100  
185 15.8 11.1 16.7  
183 0.0 9.9 14.9#

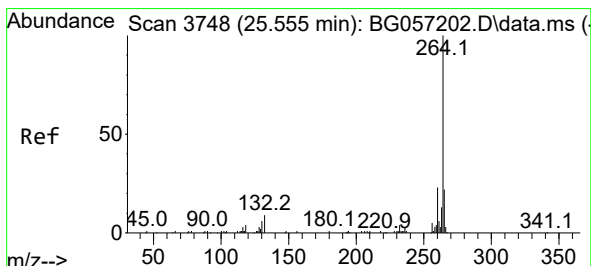
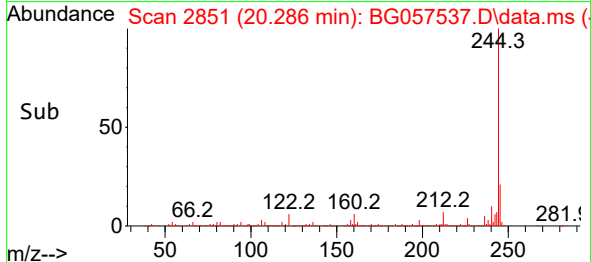
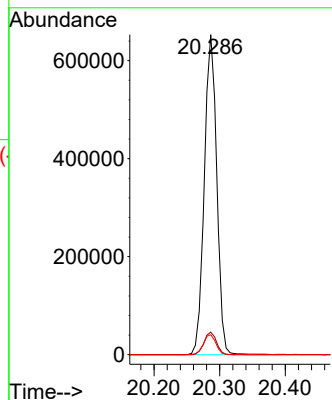
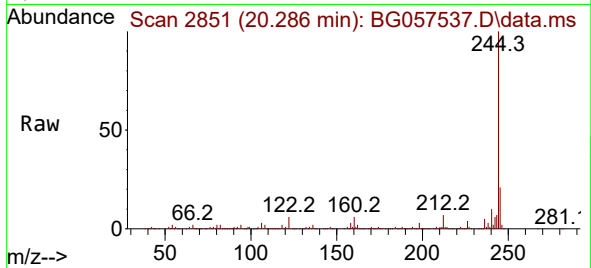




#79  
 Terphenyl-d14  
 Concen: 98.399 ng  
 RT: 20.286 min Scan# 21  
 Delta R.T. -0.004 min  
 Lab File: BG057537.D  
 Acq: 24 May 2023 16:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152987BL

Tgt Ion:244 Resp: 863691  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.1 9.1  
 122 6.2 5.1 7.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.532 min Scan# 3744  
 Delta R.T. -0.010 min  
 Lab File: BG057537.D  
 Acq: 24 May 2023 16:04

Tgt Ion:264 Resp: 151879  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 18.8 28.2  
 265 22.0 17.9 26.9

