

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011123\  
 Data File : BG056255.D  
 Acq On : 11 Jan 2023 18:02  
 Operator : CG/JU  
 Sample : 01055-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-J

Quant Time: Jan 12 04:22:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 03:38:40 2023  
 Response via : Initial Calibration

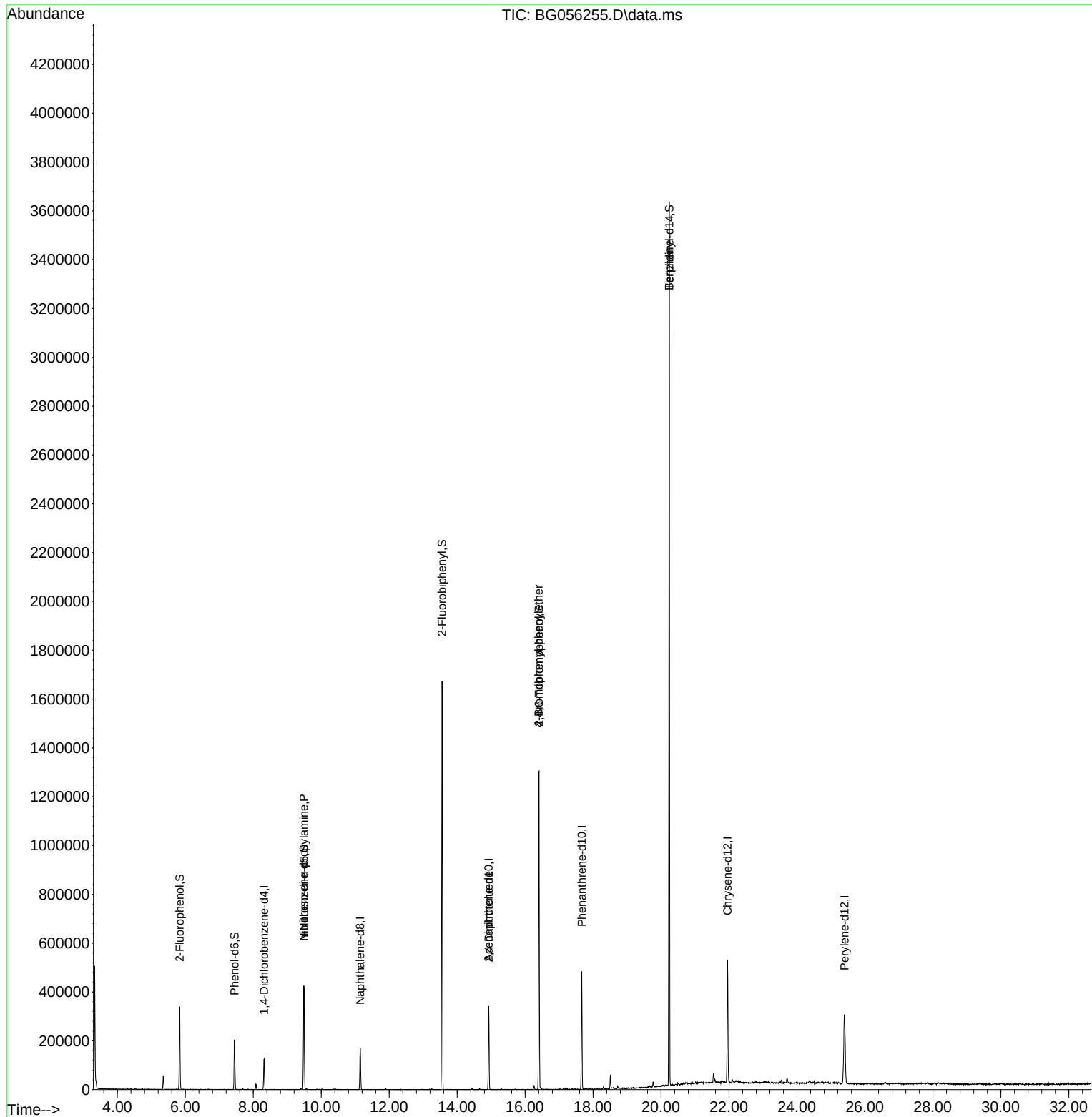
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.318  | 152  | 41141    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.144 | 136  | 157829   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.928 | 164  | 129374   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.666 | 188  | 340061   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.955 | 240  | 332915   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.398 | 264  | 362998   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.832  | 112  | 187104   | 81.202  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.448  | 99   | 160198   | 45.272  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.487  | 82   | 312527   | 101.288 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.408 | 330  | 269986   | 164.776 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.553 | 172  | 974934   | 104.061 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.239 | 244  | 1885443  | 101.435 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.487  | 70   | 38594    | 17.936  | ng    | # 74     |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 16520    | 5.308   | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 16.402 | 248  | 22803    | 5.266   | ng    | # 1      |
| 77) Benzidine                 | 20.239 | 184  | 26278    | 2.252   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

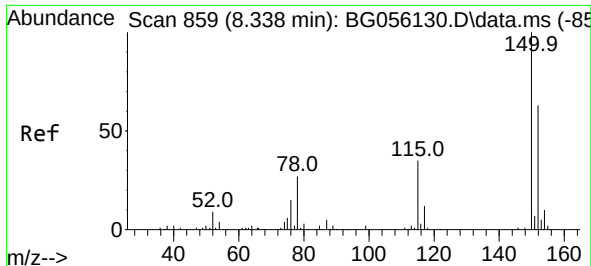
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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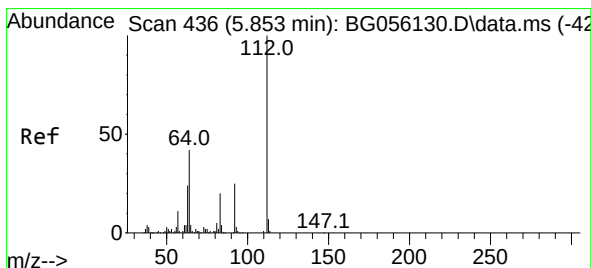
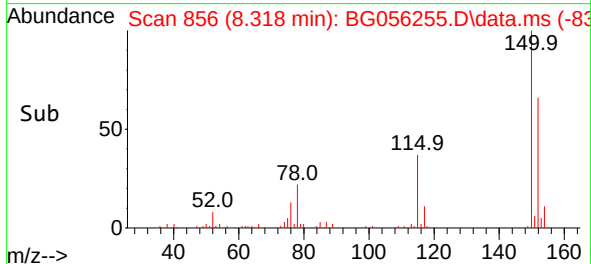
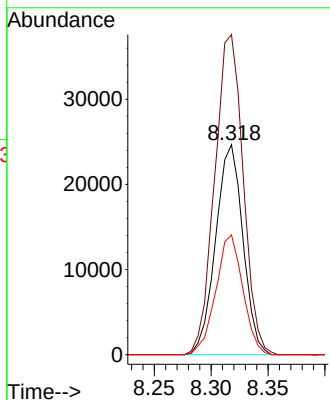
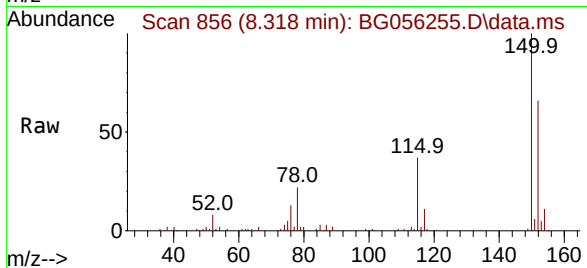




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.318 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

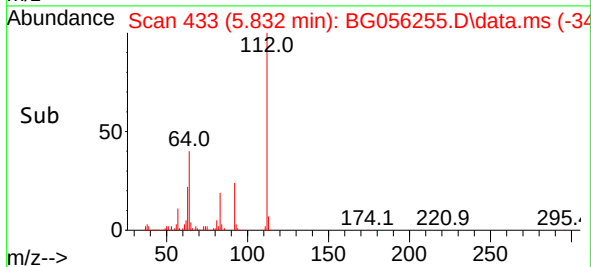
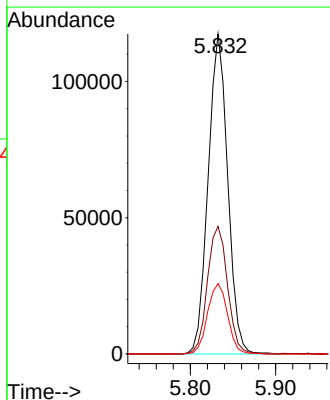
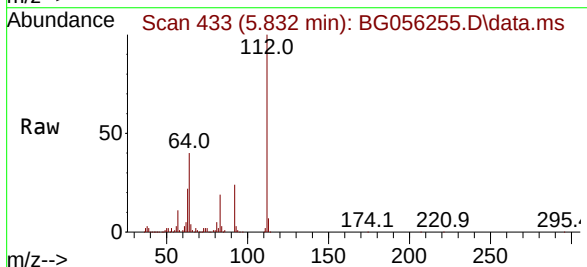
Instrument :  
BNA\_G  
ClientSampleId :  
MH-J

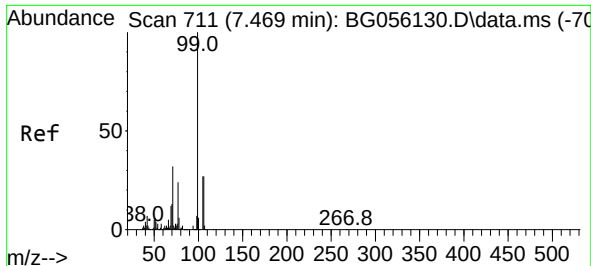
Tgt Ion:152 Resp: 41141  
Ion Ratio Lower Upper  
152 100  
150 152.3 127.9 191.9  
115 57.0 44.2 66.2



#5  
2-Fluorophenol  
Concen: 81.202 ng  
RT: 5.832 min Scan# 433  
Delta R.T. 0.007 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

Tgt Ion:112 Resp: 187104  
Ion Ratio Lower Upper  
112 100  
64 39.8 33.3 49.9  
63 22.0 19.0 28.4





#7

Phenol-d6

Concen: 45.272 ng

RT: 7.448 min Scan# 70

Delta R.T. 0.001 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

Instrument :

BNA\_G

ClientSampleId :

MH-J

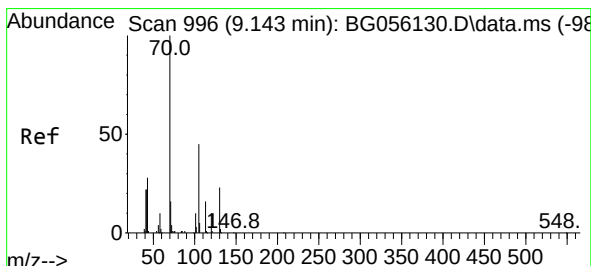
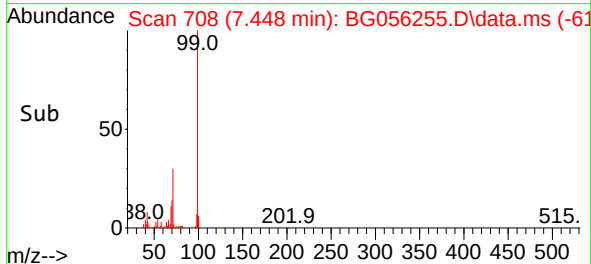
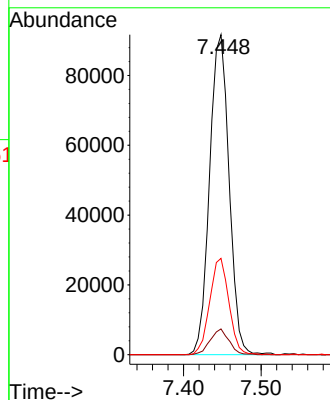
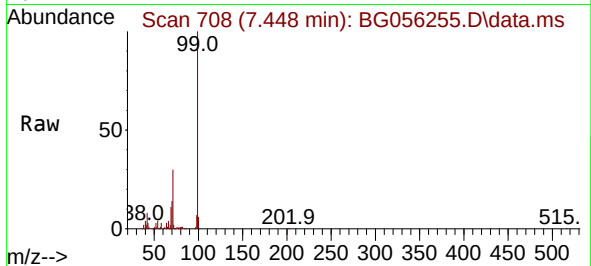
Tgt Ion: 99 Resp: 160198

Ion Ratio Lower Upper

99 100

42 8.1 5.9 8.9

71 30.1 25.4 38.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.936 ng

RT: 9.487 min Scan# 1055

Delta R.T. 0.371 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

Tgt Ion: 70 Resp: 38594

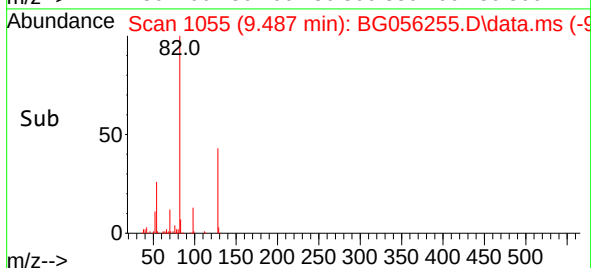
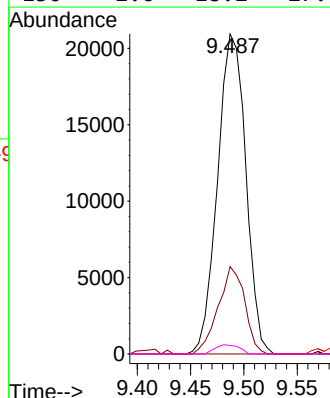
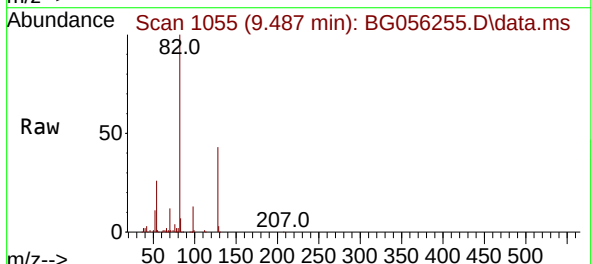
Ion Ratio Lower Upper

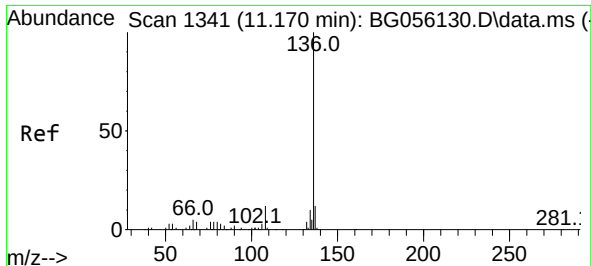
70 100

42 27.3 18.2 27.2#

101 0.0 8.3 12.5#

130 2.6 18.2 27.4#





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.144 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

Instrument :

BNA\_G

ClientSampleId :

MH-J

Tgt Ion:136 Resp: 157829

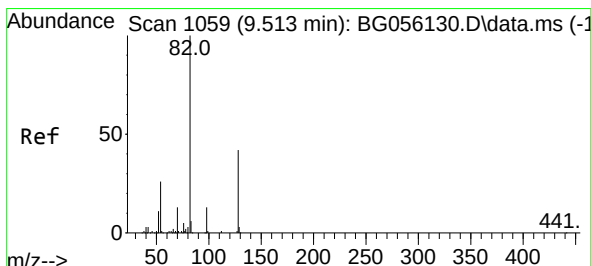
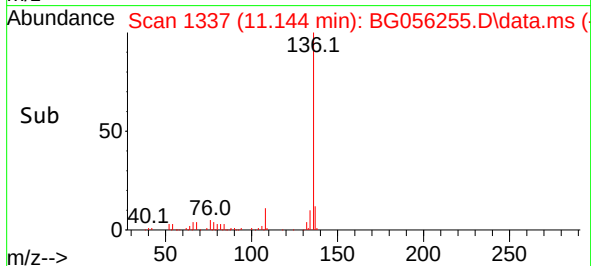
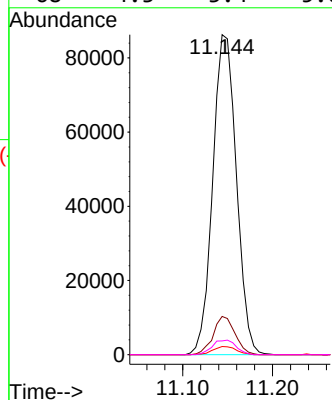
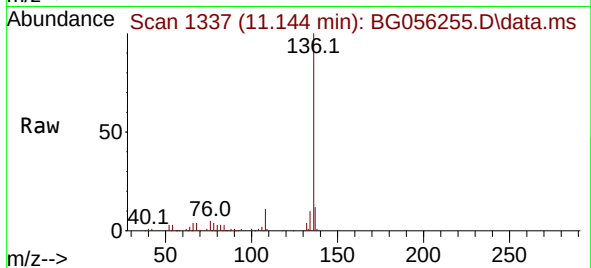
Ion Ratio Lower Upper

136 100

137 12.0 9.4 14.0

54 2.5 2.2 3.2

68 4.3 3.4 5.0



#23  
Nitrobenzene-d5  
Concen: 101.288 ng  
RT: 9.487 min Scan# 1055  
Delta R.T. -0.005 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

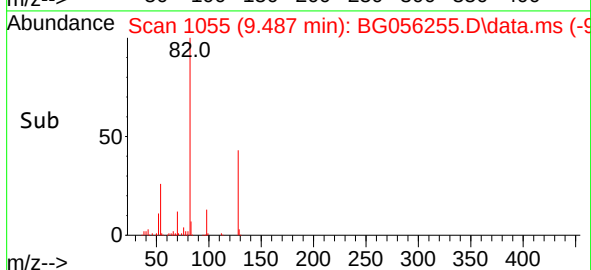
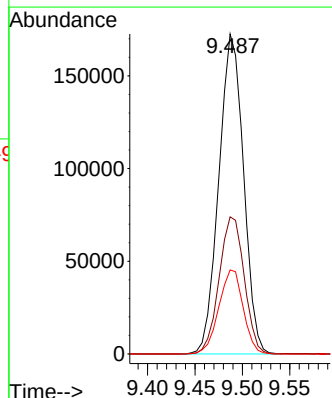
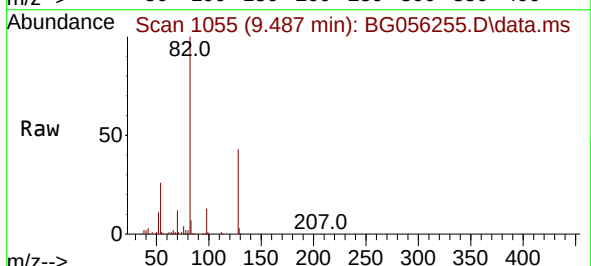
Tgt Ion: 82 Resp: 312527

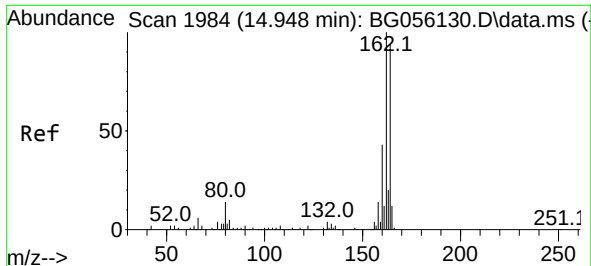
Ion Ratio Lower Upper

82 100

128 42.9 33.4 50.2

54 26.2 20.3 30.5

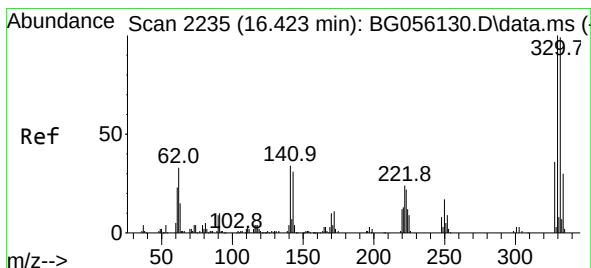
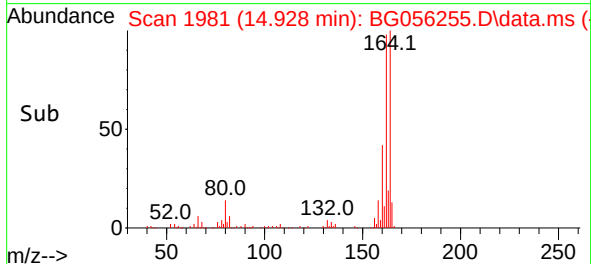
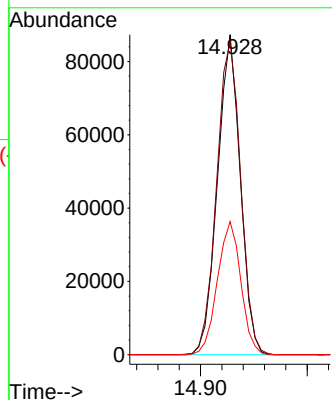
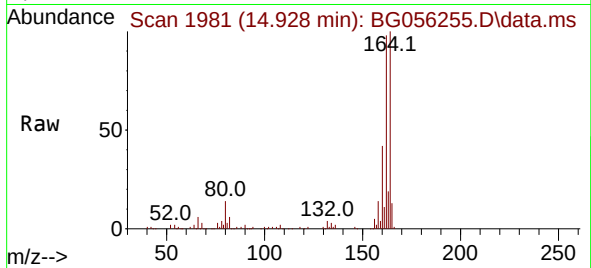




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.928 min Scan# 1984  
Delta R.T. 0.001 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

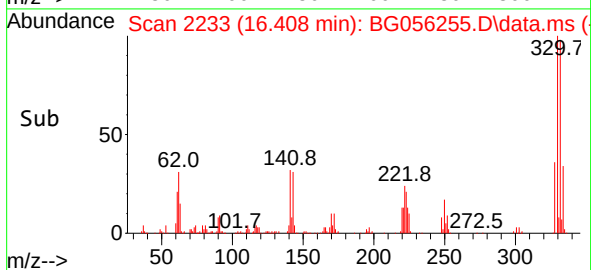
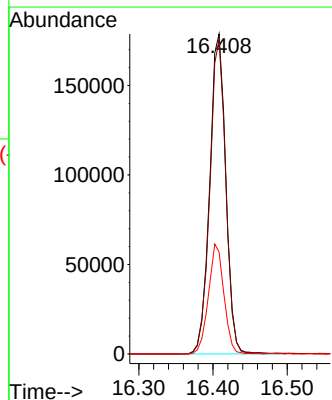
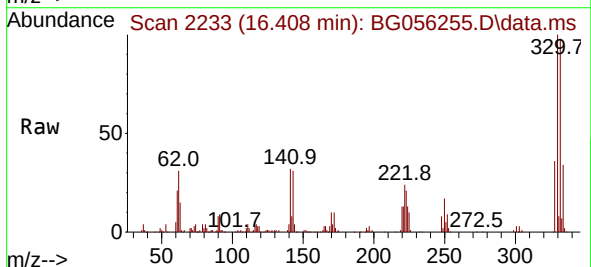
Instrument :  
BNA\_G  
ClientSampleId :  
MH-J

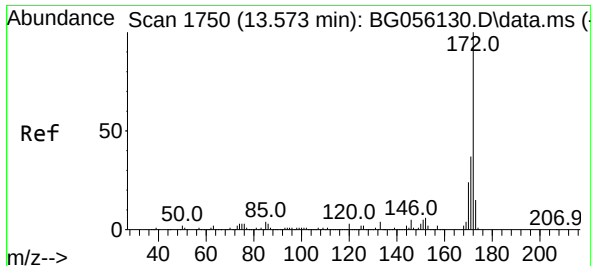
Tgt Ion:164 Resp: 129374  
Ion Ratio Lower Upper  
164 100  
162 97.8 84.7 127.1  
160 41.6 36.3 54.5



#42  
2,4,6-Tribromophenol  
Concen: 164.776 ng  
RT: 16.408 min Scan# 2233  
Delta R.T. 0.001 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

Tgt Ion:330 Resp: 269986  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.3 115.9  
141 33.1 27.9 41.9

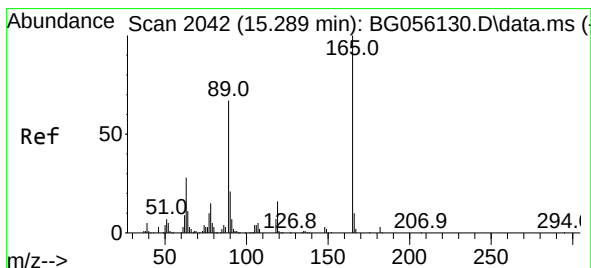
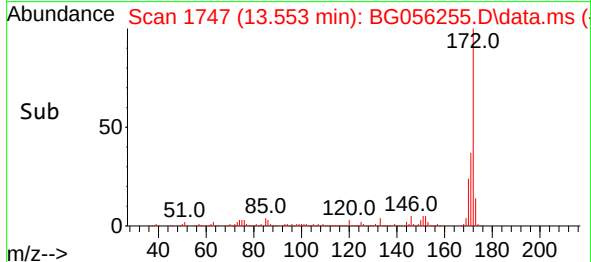
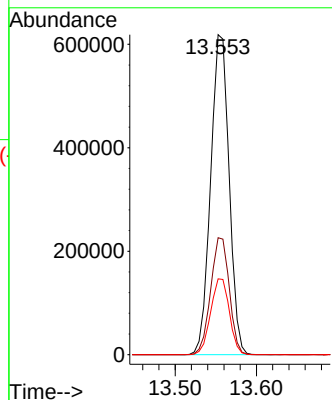
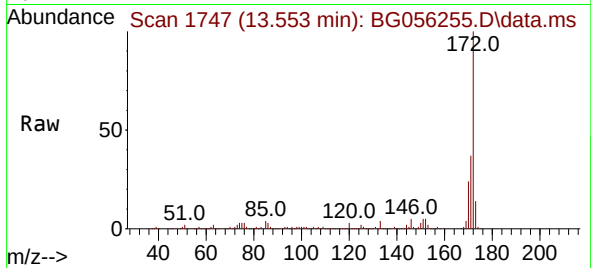




#45  
2-Fluorobiphenyl  
Concen: 104.061 ng  
RT: 13.553 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

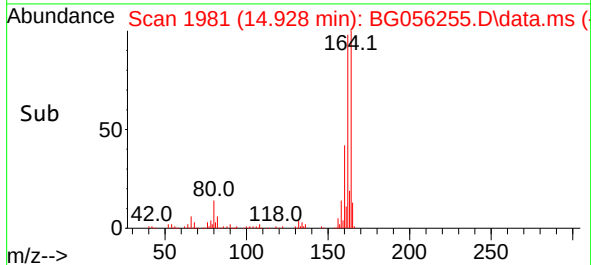
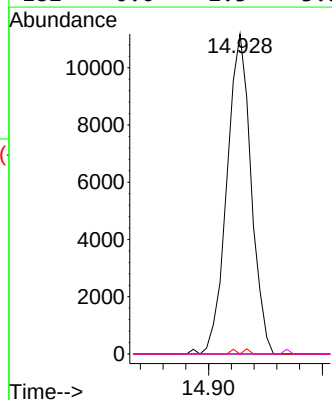
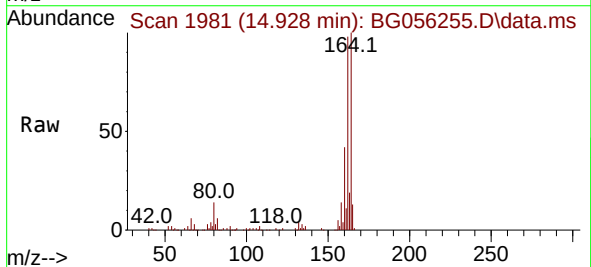
Instrument :  
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ClientSampleId :  
MH-J

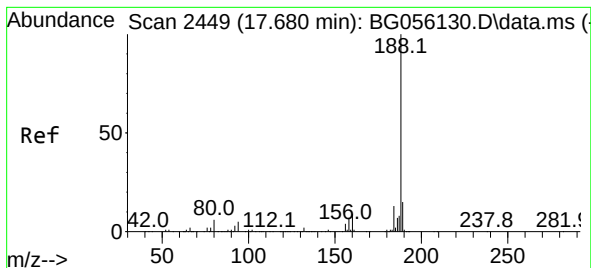
Tgt Ion:172 Resp: 974934  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 23.7 19.4 29.2



#57  
2,4-Dinitrotoluene  
Concen: 5.308 ng  
RT: 14.928 min Scan# 1981  
Delta R.T. -0.346 min  
Lab File: BG056255.D  
Acq: 11 Jan 2023 18:02

Tgt Ion:165 Resp: 16520  
Ion Ratio Lower Upper  
165 100  
63 0.0 22.6 34.0#  
89 0.0 53.2 79.8#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.666 min Scan# 2449

Delta R.T. 0.001 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

Instrument :

BNA\_G

ClientSampleId :

MH-J

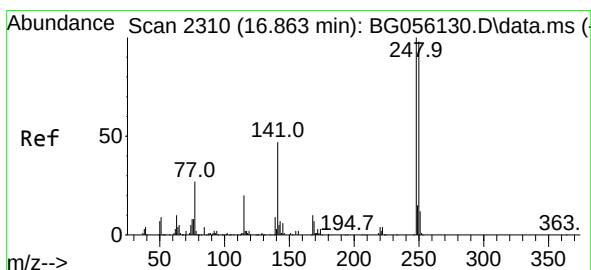
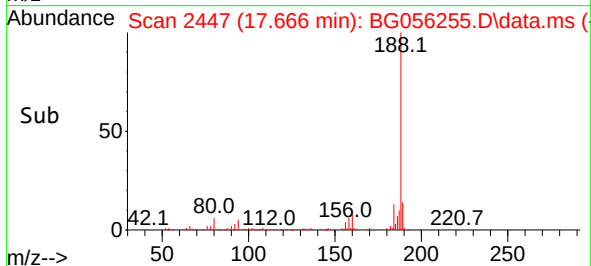
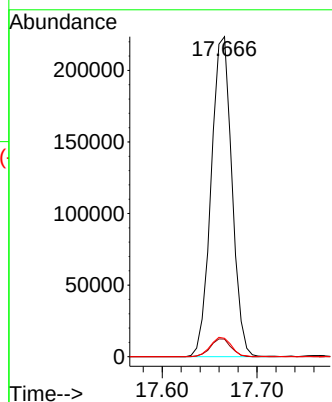
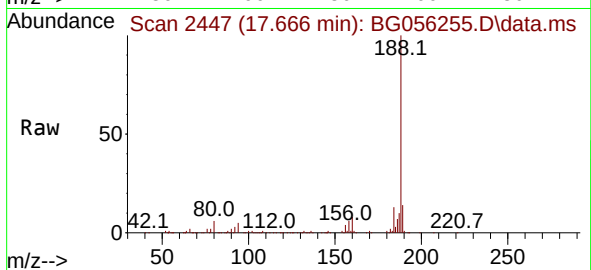
Tgt Ion:188 Resp: 340061

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

80 5.8 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 5.266 ng

RT: 16.402 min Scan# 2232

Delta R.T. -0.446 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

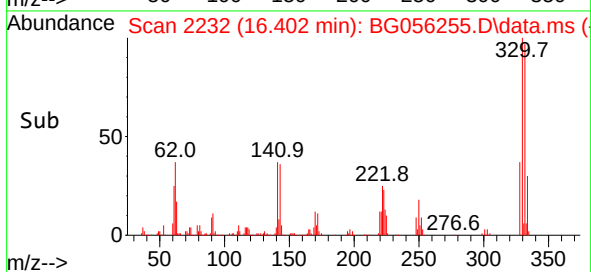
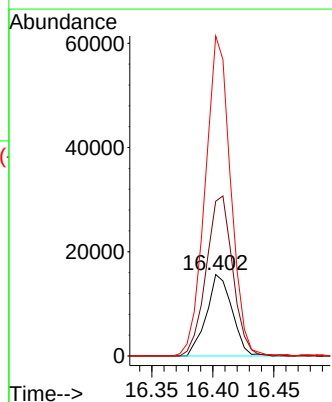
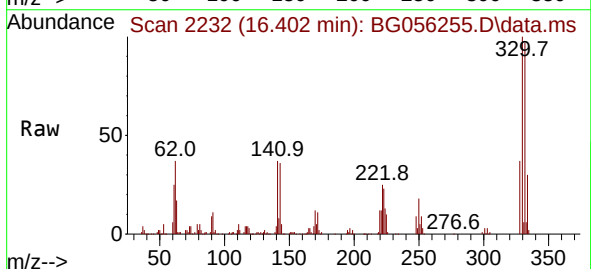
Tgt Ion:248 Resp: 22803

Ion Ratio Lower Upper

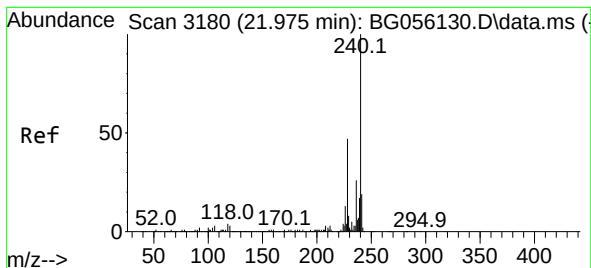
248 100

250 244.9 78.2 117.4#

141 392.6 37.6 56.4#







#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.955 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

Instrument :

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MH-J

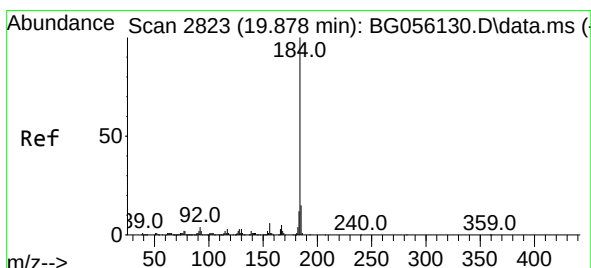
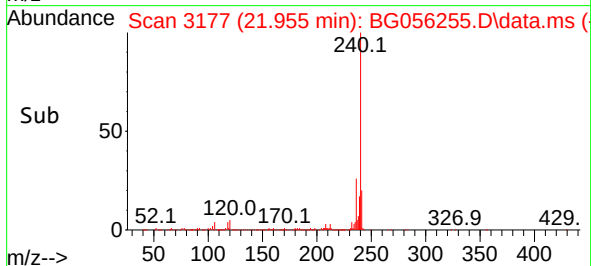
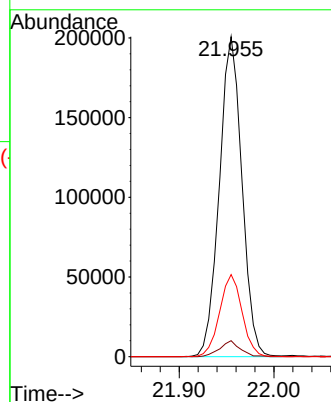
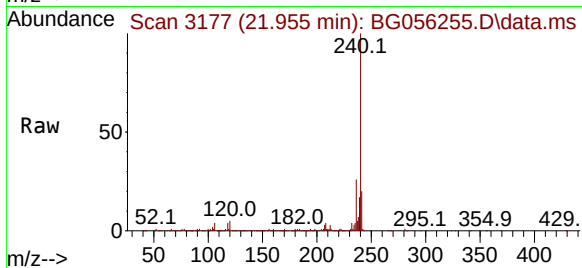
Tgt Ion:240 Resp: 332915

Ion Ratio Lower Upper

240 100

120 5.0 2.6 4.0#

236 25.7 20.8 31.2



#77

Benzidine

Concen: 2.252 ng

RT: 20.239 min Scan# 2885

Delta R.T. 0.377 min

Lab File: BG056255.D

Acq: 11 Jan 2023 18:02

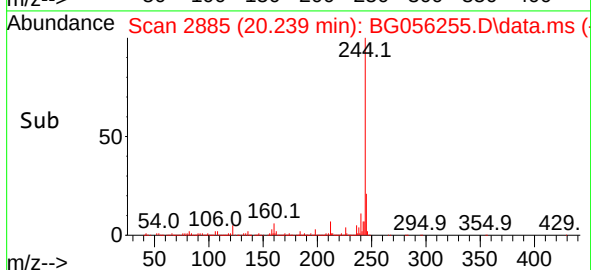
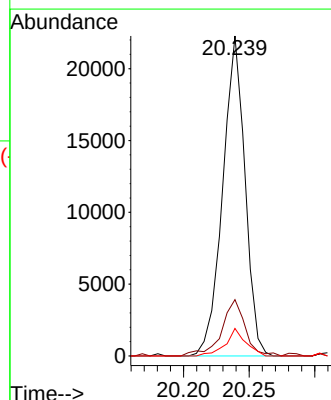
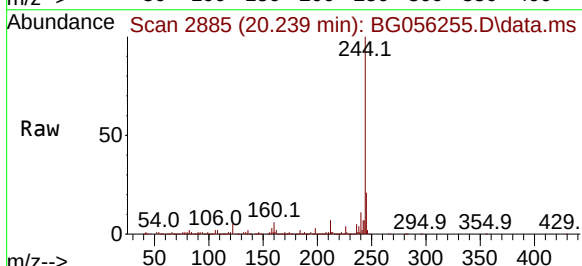
Tgt Ion:184 Resp: 26278

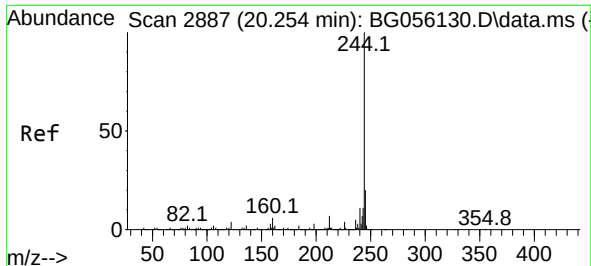
Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

183 8.6 9.4 14.0#

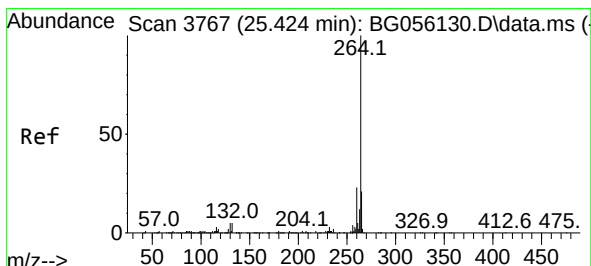
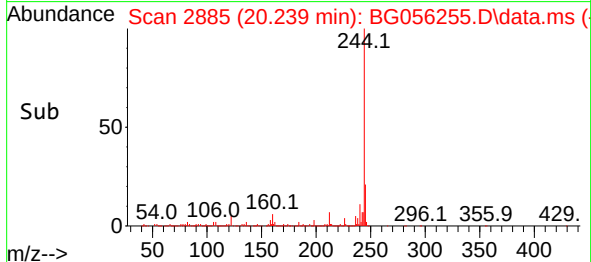
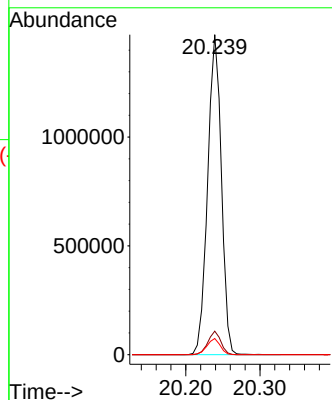
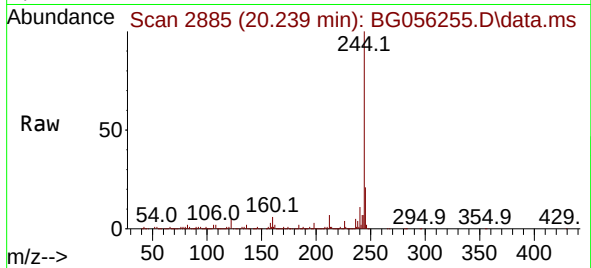




#79  
 Terphenyl-d14  
 Concen: 101.435 ng  
 RT: 20.239 min Scan# 21  
 Delta R.T. 0.001 min  
 Lab File: BG056255.D  
 Acq: 11 Jan 2023 18:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-J

Tgt Ion:244 Resp: 1885443  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.7 8.5  
 122 5.1 3.5 5.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.398 min Scan# 3763  
 Delta R.T. -0.005 min  
 Lab File: BG056255.D  
 Acq: 11 Jan 2023 18:02

Tgt Ion:264 Resp: 362998  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.6 28.0  
 265 21.9 16.7 25.1

