

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040824\  
 Data File : BG060828.D  
 Acq On : 8 Apr 2024 16:32  
 Operator : MA/JU  
 Sample : PB160030BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 08 17:33:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

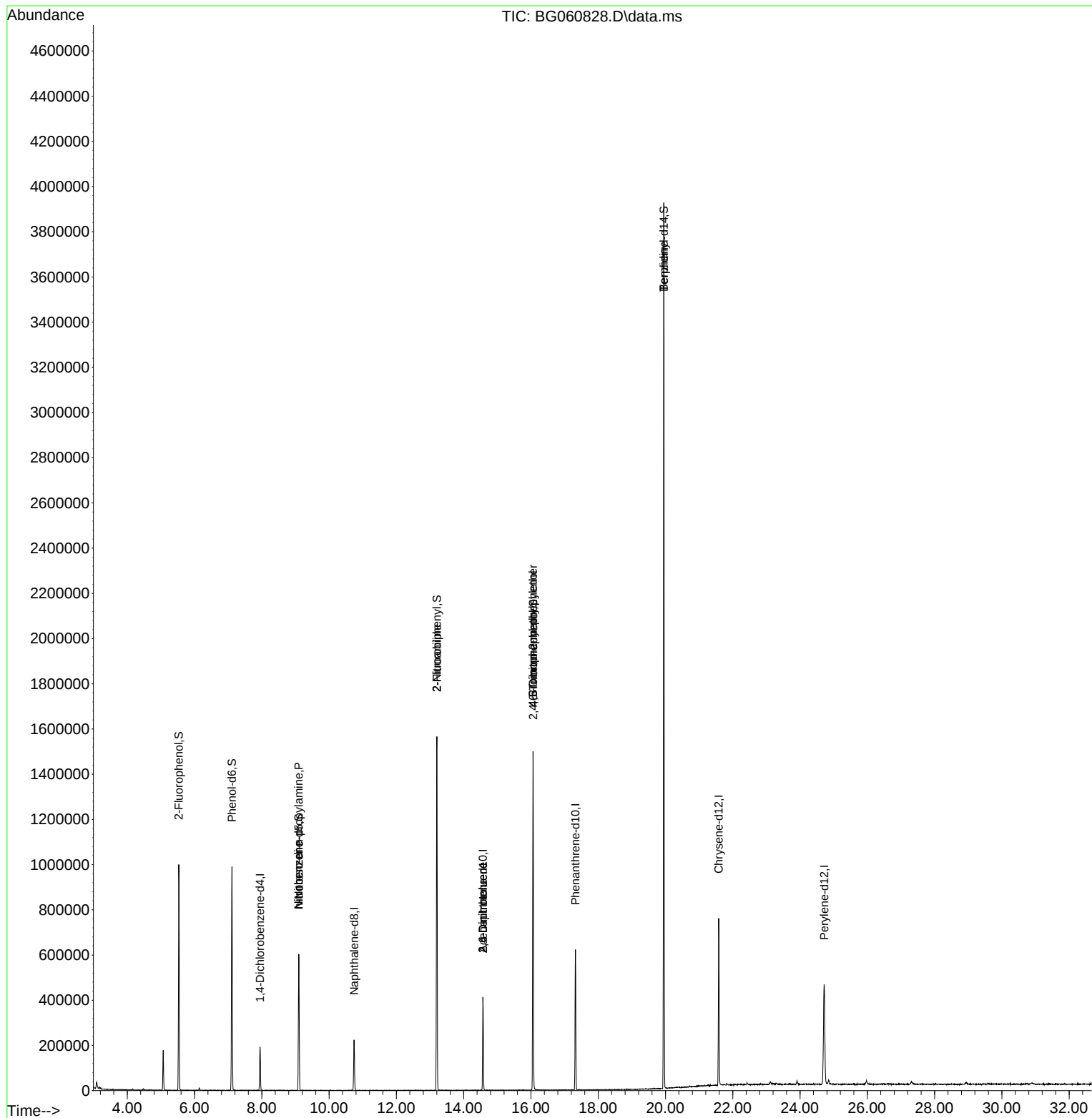
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 50590    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.743 | 136  | 180740   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.574 | 164  | 142552   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.324 | 188  | 400890   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.583 | 240  | 426004   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.715 | 264  | 498046   | 20.000  | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.532  | 112  | 369930   | 121.815 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 489730   | 108.641 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 323205   | 102.039 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.066 | 330  | 299877   | 185.316 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.205 | 172  | 824271   | 84.862  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.950 | 244  | 1970878  | 81.464  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.098  | 70   | 43962    | 12.788  | ng    | # 79     |
| 24) Nitrobenzene              | 9.098  | 77   | 1048     | 3.053   | ng    | # 42     |
| 48) 2-Nitroaniline            | 13.205 | 65   | 1586     | 3.466   | ng    | # 16     |
| 51) 2,6-Dinitrotoluene        | 14.574 | 165  | 18875    | 12.169  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 14.574 | 165  | 18875    | 10.234  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 16.060 | 198  | 1024     | 7.562   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.060 | 248  | 20867    | 5.129   | ng    | # 1      |
| 77) Benzidine                 | 19.950 | 184  | 30577    | 2.726   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040824\  
Data File : BG060828.D  
Acq On : 8 Apr 2024 16:32  
Operator : MA/JU  
Sample : PB160030BL  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

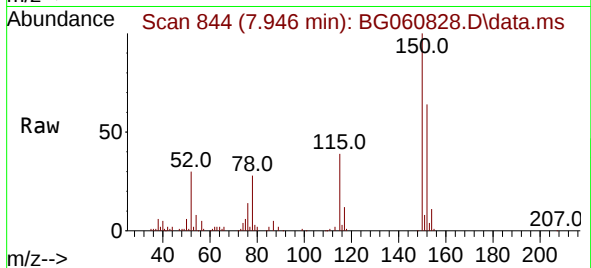
Quant Time: Apr 08 17:33:22 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
Response via : Initial Calibration



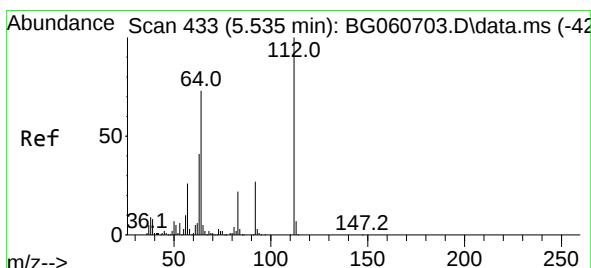
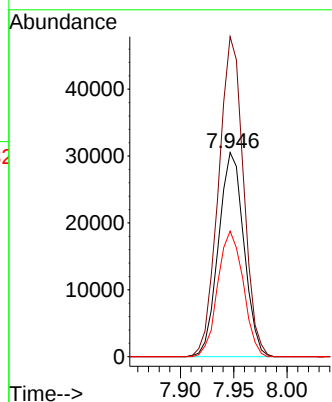
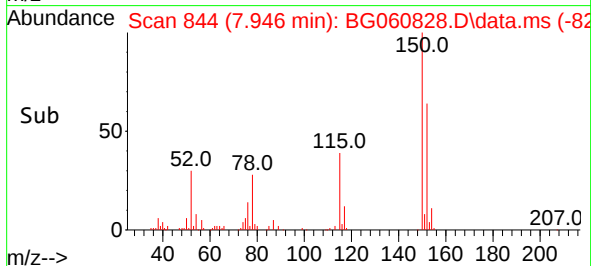


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.946 min Scan# 846  
Delta R.T. -0.015 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Instrument :  
BNA\_G  
ClientSampleId :

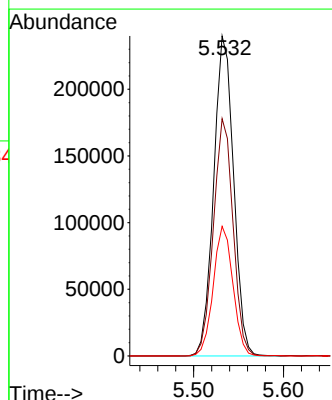
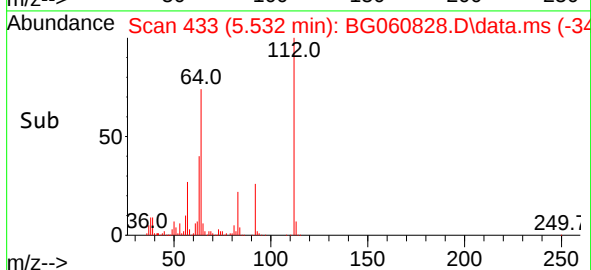
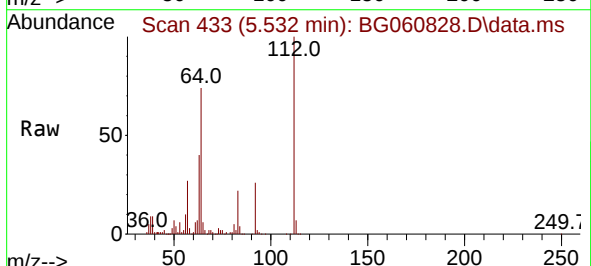


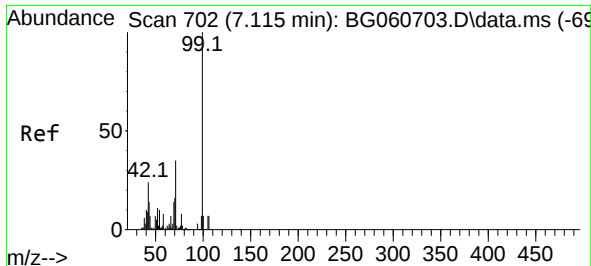
Tgt Ion:152 Resp: 50590  
Ion Ratio Lower Upper  
152 100  
150 156.7 130.2 195.4  
115 61.5 51.6 77.4



#5  
2-Fluorophenol  
Concen: 121.815 ng  
RT: 5.532 min Scan# 433  
Delta R.T. -0.003 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Tgt Ion:112 Resp: 369930  
Ion Ratio Lower Upper  
112 100  
64 74.2 58.4 87.6  
63 40.5 32.7 49.1

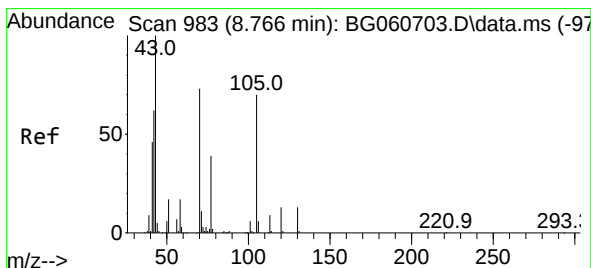
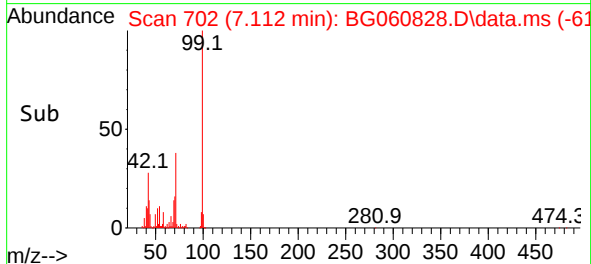
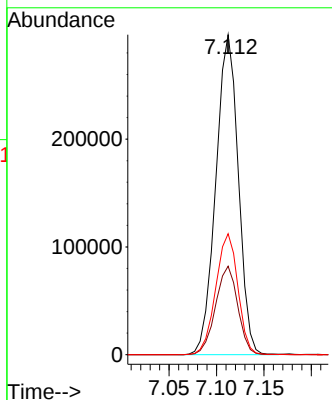
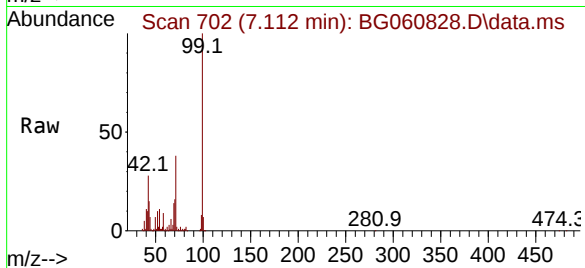




#7  
Phenol-d6  
Concen: 108.641 ng  
RT: 7.112 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

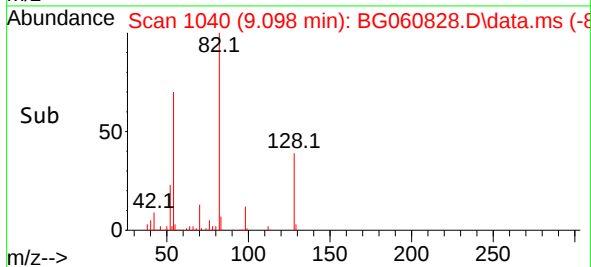
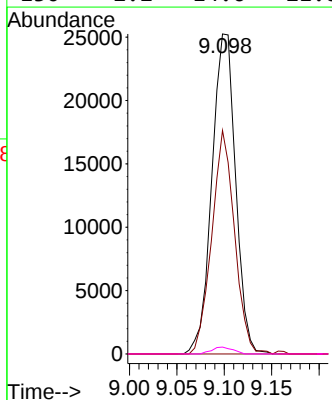
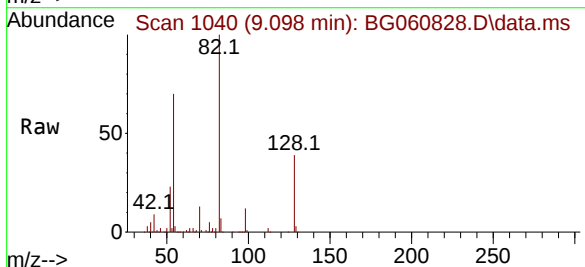
Instrument :  
BNA\_G  
ClientSampleId :

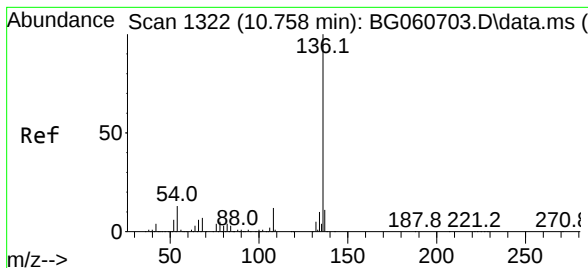
Tgt Ion: 99 Resp: 489730  
Ion Ratio Lower Upper  
99 100  
42 27.7 19.4 29.2  
71 37.8 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.788 ng  
RT: 9.098 min Scan# 1040  
Delta R.T. 0.332 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

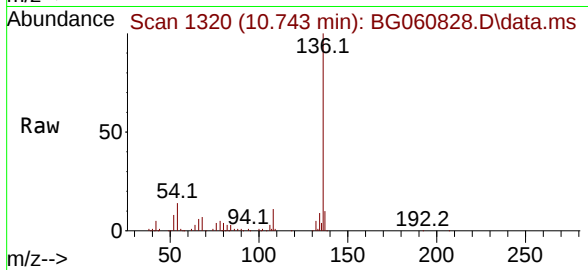
Tgt Ion: 70 Resp: 43962  
Ion Ratio Lower Upper  
70 100  
42 69.8 68.4 102.6  
101 0.0 6.1 9.1#  
130 2.2 14.6 21.8#



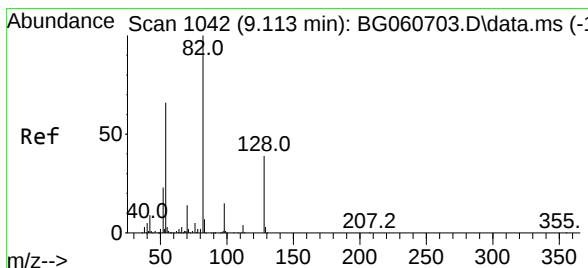
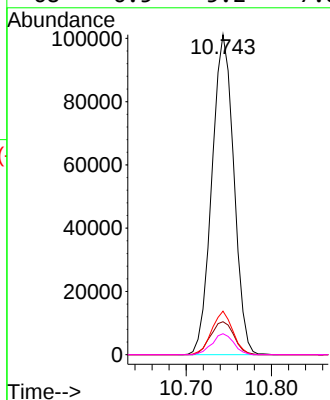
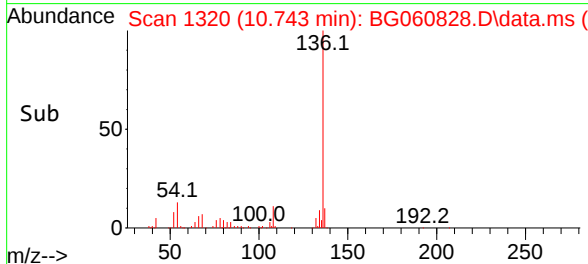


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.743 min Scan# 11  
Delta R.T. -0.015 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Instrument :  
BNA\_G  
ClientSampleId :

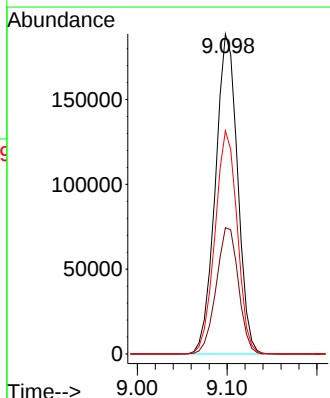
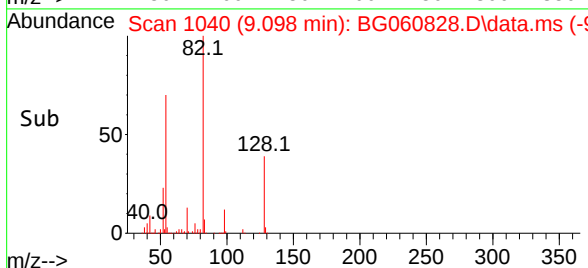
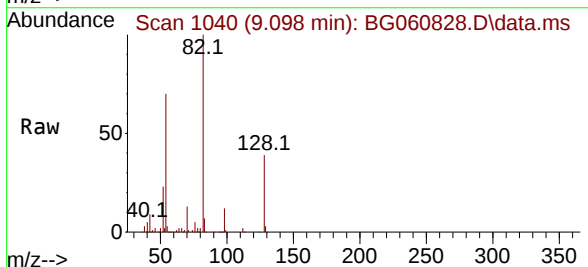


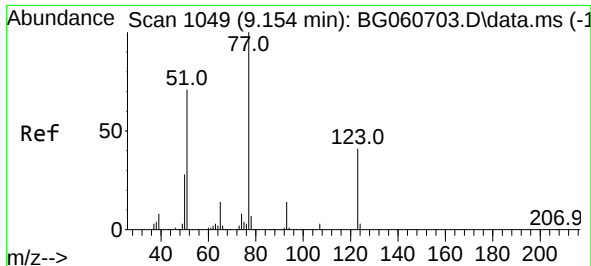
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 180740 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.8   | 13.2   |
| 54       | 13.6  | 10.2  | 15.2   |
| 68       | 6.5   | 5.2   | 7.8    |



#23  
Nitrobenzene-d5  
Concen: 102.039 ng  
RT: 9.098 min Scan# 1040  
Delta R.T. -0.015 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

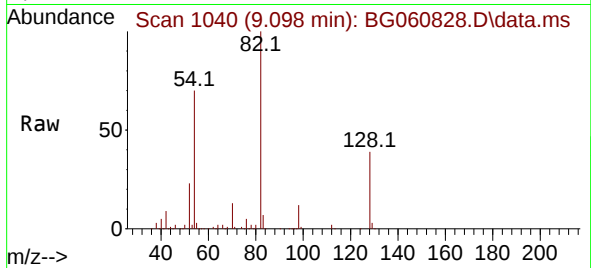
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 323205 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.5  | 31.2  | 46.8   |
| 54       | 69.8  | 53.2  | 79.8   |



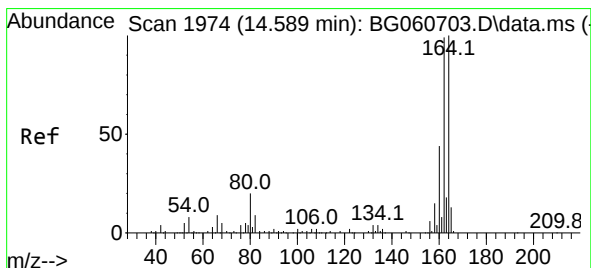
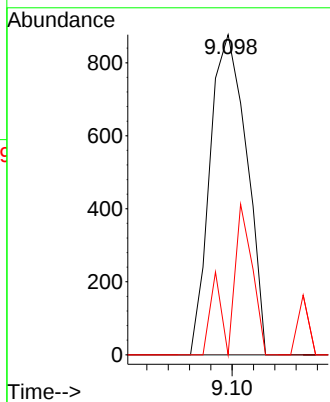
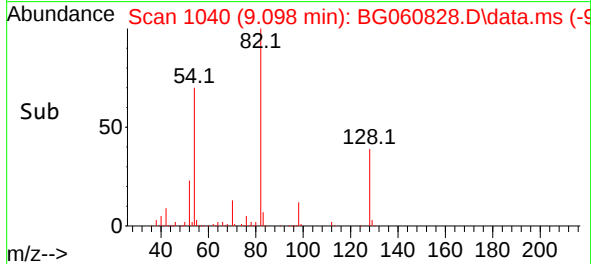


#24  
Nitrobenzene  
Concen: 3.053 ng  
RT: 9.098 min Scan# 1048  
Delta R.T. -0.056 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

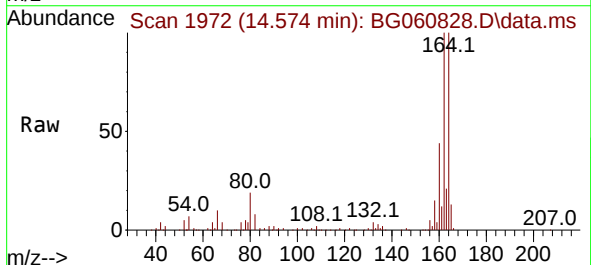
Instrument :  
BNA\_G  
ClientSampleId :



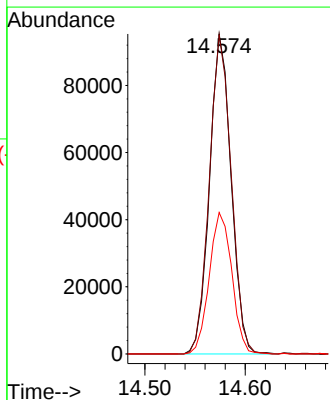
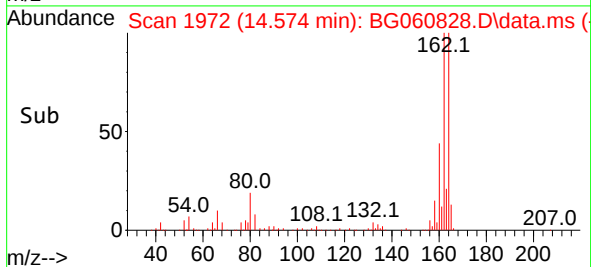
Tgt Ion: 77 Resp: 1048  
Ion Ratio Lower Upper  
77 100  
123 0.0 32.7 49.1#  
65 0.0 11.3 16.9#

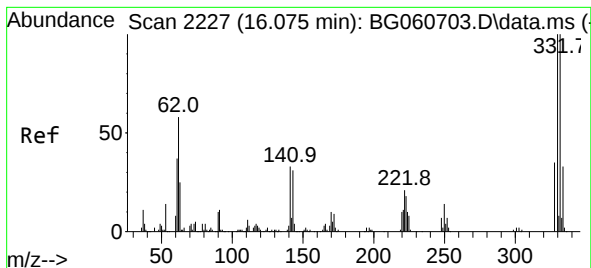


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1972  
Delta R.T. -0.015 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32



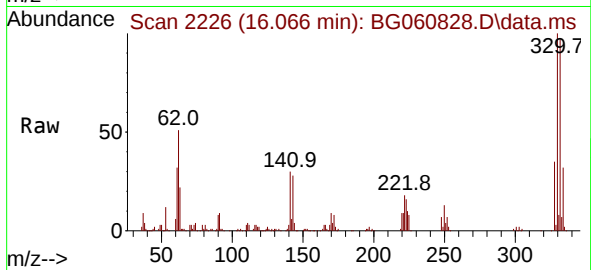
Tgt Ion: 164 Resp: 142552  
Ion Ratio Lower Upper  
164 100  
162 99.7 79.5 119.3  
160 44.2 35.4 53.0



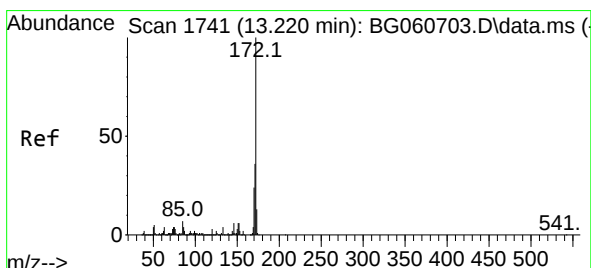
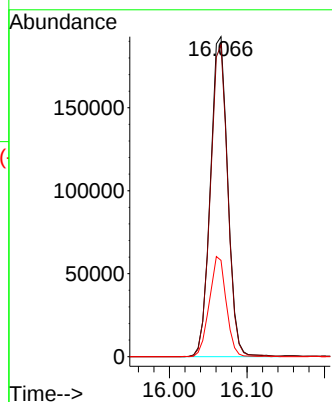
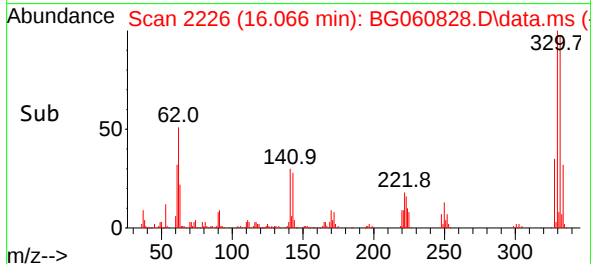


#42  
 2,4,6-Tribromophenol  
 Concen: 185.316 ng  
 RT: 16.066 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BG060828.D  
 Acq: 8 Apr 2024 16:32

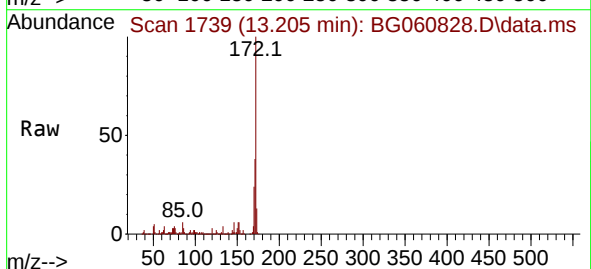
Instrument :  
 BNA\_G  
 ClientSampleId :



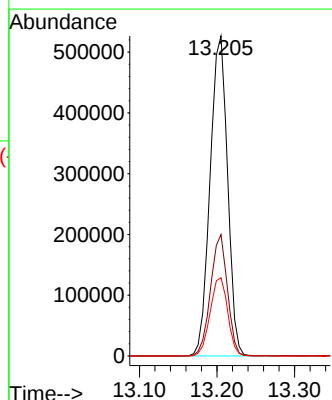
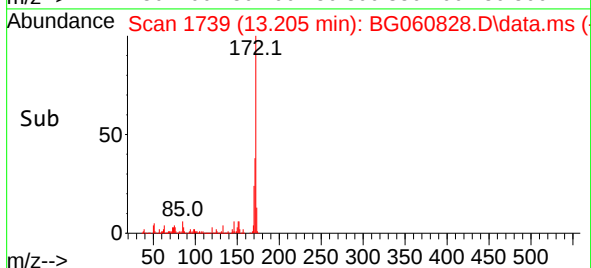
Tgt Ion:330 Resp: 299877  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 78.2 117.4  
 141 30.6 27.0 40.6

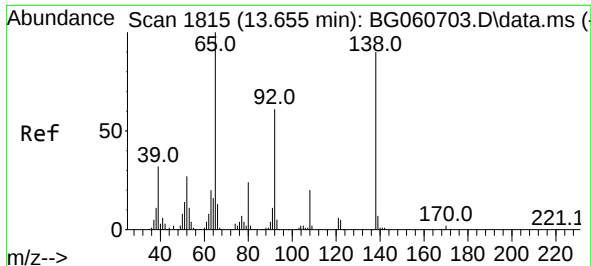


#45  
 2-Fluorobiphenyl  
 Concen: 84.862 ng  
 RT: 13.205 min Scan# 1739  
 Delta R.T. -0.015 min  
 Lab File: BG060828.D  
 Acq: 8 Apr 2024 16:32



Tgt Ion:172 Resp: 824271  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 28.7 43.1  
 170 24.4 19.4 29.0

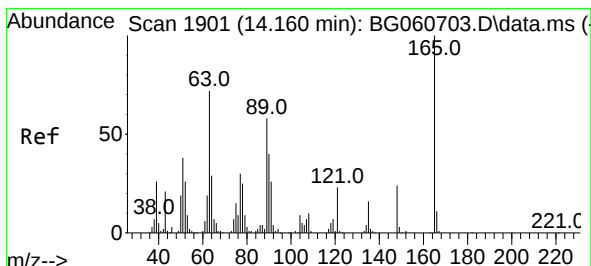
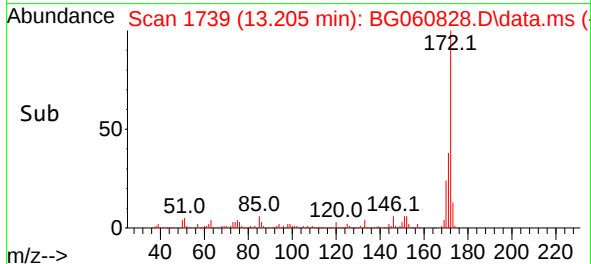
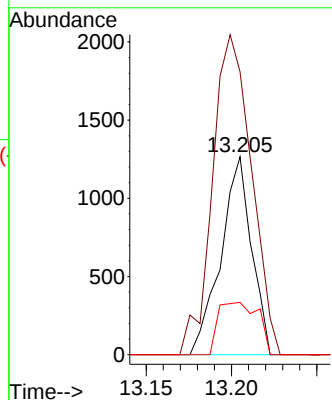
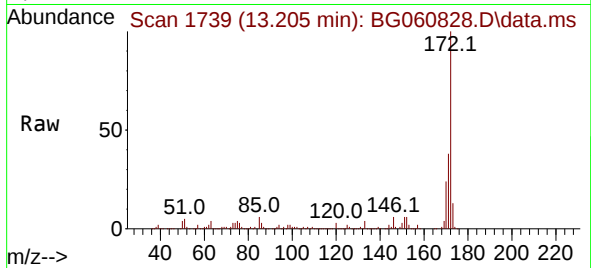




#48  
2-Nitroaniline  
Concen: 3.466 ng  
RT: 13.205 min Scan# 1739  
Delta R.T. -0.450 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

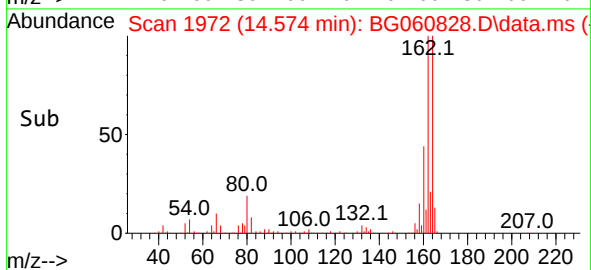
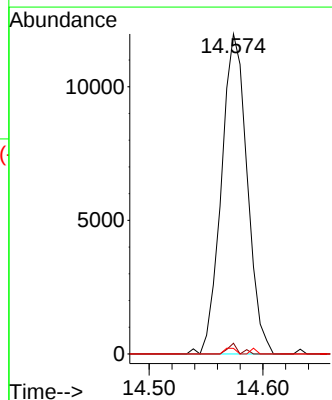
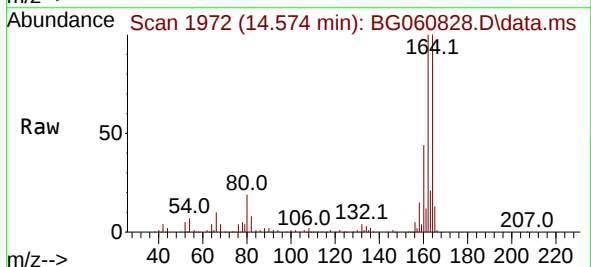
Instrument :  
BNA\_G  
ClientSampleId :

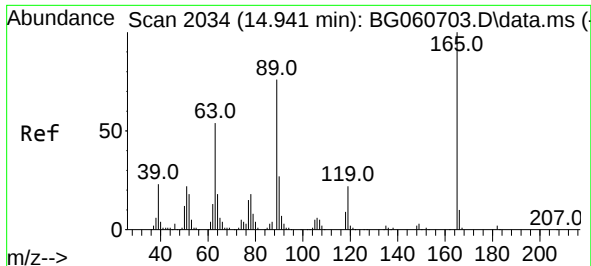
Tgt Ion: 65 Resp: 1586  
Ion Ratio Lower Upper  
65 100  
92 142.9 48.6 72.8#  
138 26.5 72.2 108.4#



#51  
2,6-Dinitrotoluene  
Concen: 12.169 ng  
RT: 14.574 min Scan# 1972  
Delta R.T. 0.414 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Tgt Ion:165 Resp: 18875  
Ion Ratio Lower Upper  
165 100  
63 3.4 58.2 87.4#  
89 1.7 46.1 69.1#





#57

2,4-Dinitrotoluene

Concen: 10.234 ng

RT: 14.574 min Scan# 14

Delta R.T. -0.367 min

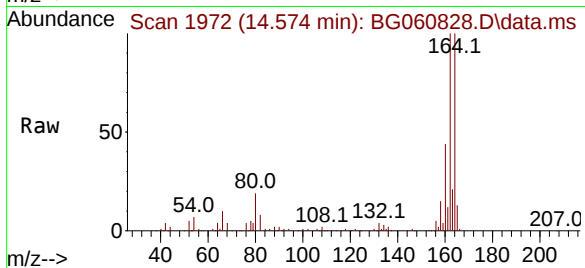
Lab File: BG060828.D

Acq: 8 Apr 2024 16:32

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 18875

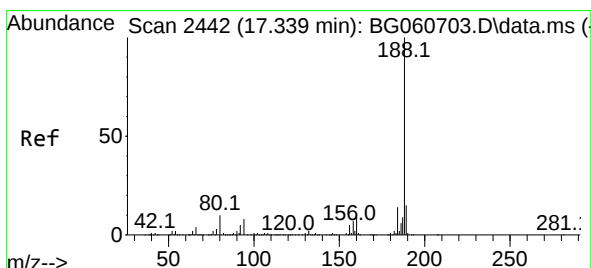
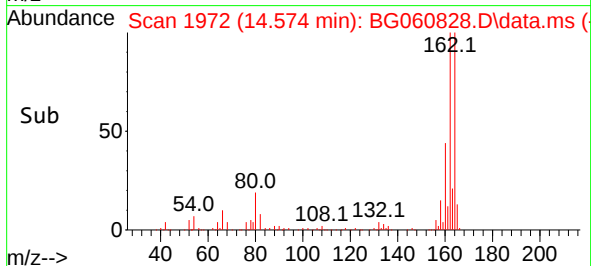
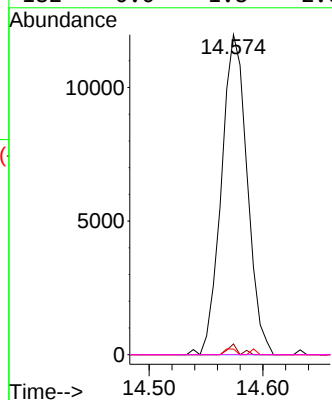
Ion Ratio Lower Upper

165 100

63 3.4 43.4 65.0#

89 1.7 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2440

Delta R.T. -0.015 min

Lab File: BG060828.D

Acq: 8 Apr 2024 16:32

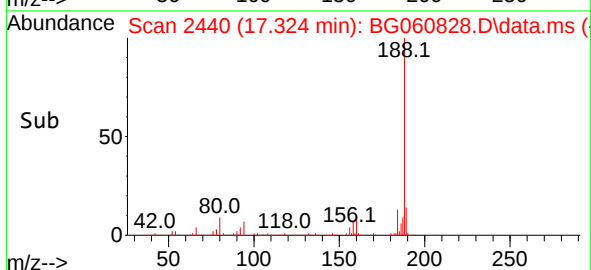
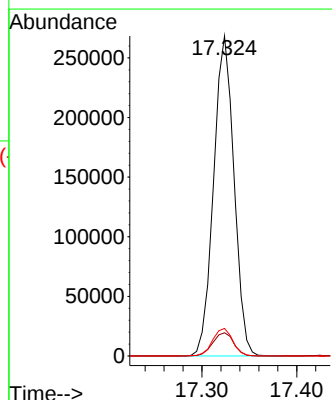
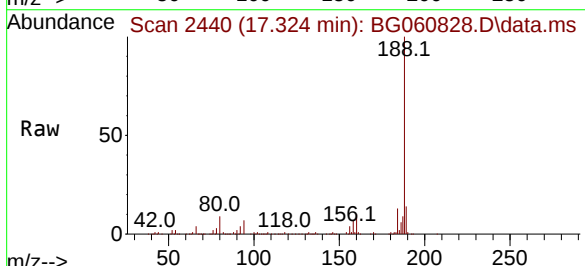
Tgt Ion:188 Resp: 400890

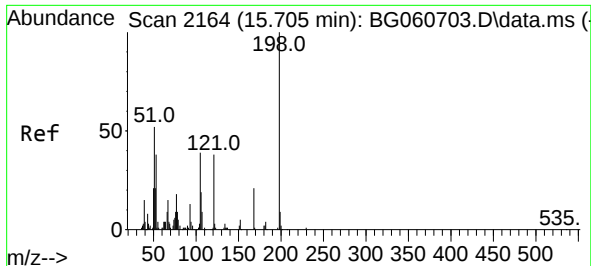
Ion Ratio Lower Upper

188 100

94 7.3 6.6 9.8

80 8.6 7.6 11.4

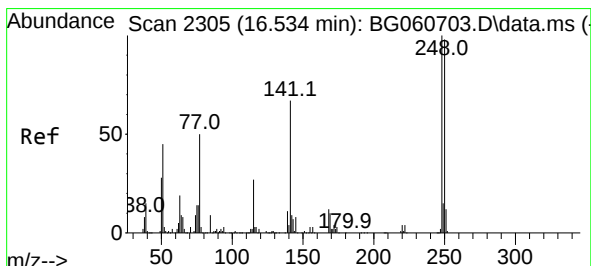
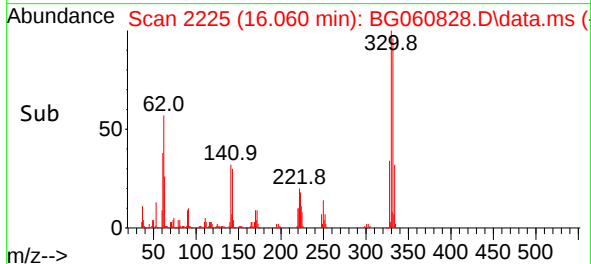
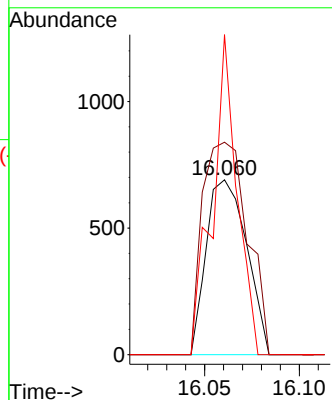
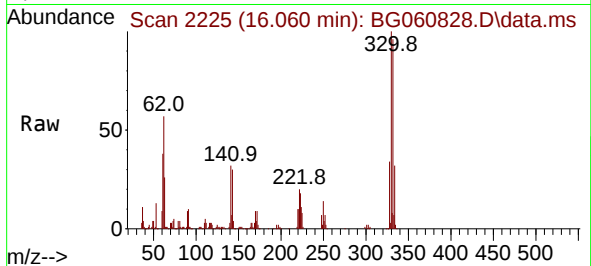




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.562 ng  
RT: 16.060 min Scan# 2164  
Delta R.T. 0.355 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

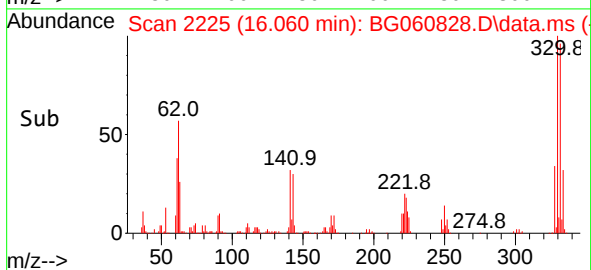
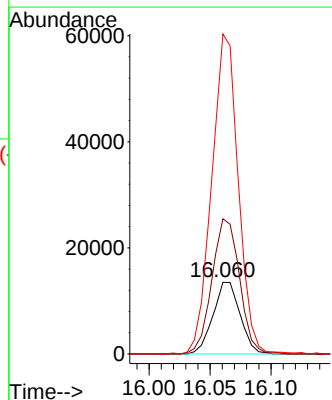
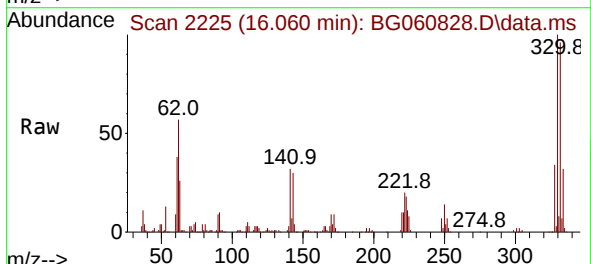
Instrument :  
BNA\_G  
ClientSampleId :

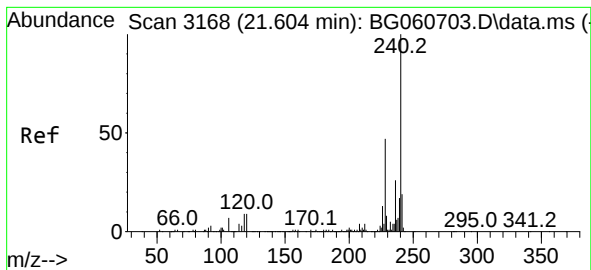
Tgt Ion:198 Resp: 1024  
Ion Ratio Lower Upper  
198 100  
51 121.4 36.7 76.7#  
105 182.9 19.1 59.1#



#67  
4-Bromophenyl-phenylether  
Concen: 5.129 ng  
RT: 16.060 min Scan# 2225  
Delta R.T. -0.474 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Tgt Ion:248 Resp: 20867  
Ion Ratio Lower Upper  
248 100  
250 188.7 78.3 117.5#  
141 446.6 53.7 80.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3165

Delta R.T. -0.021 min

Lab File: BG060828.D

Acq: 8 Apr 2024 16:32

Instrument :

BNA\_G

ClientSampleId :

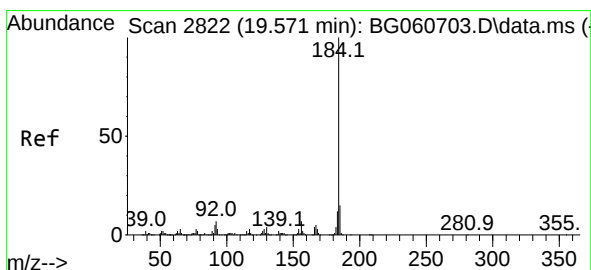
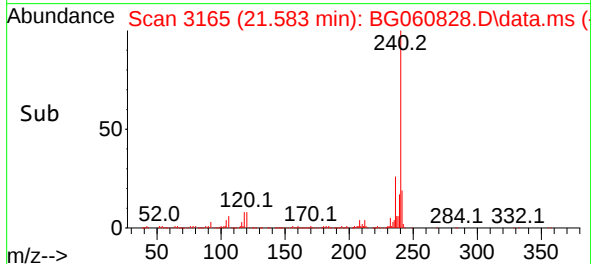
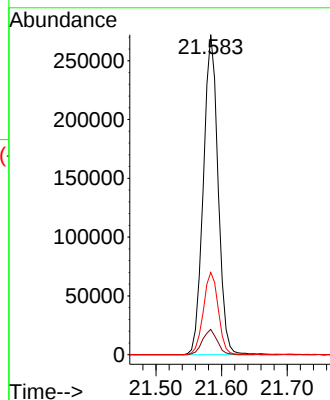
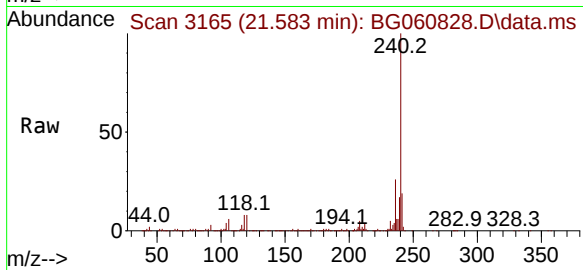
Tgt Ion:240 Resp: 426004

Ion Ratio Lower Upper

240 100

120 7.9 7.1 10.7

236 25.7 20.7 31.1



#77

Benzidine

Concen: 2.726 ng

RT: 19.950 min Scan# 2887

Delta R.T. 0.379 min

Lab File: BG060828.D

Acq: 8 Apr 2024 16:32

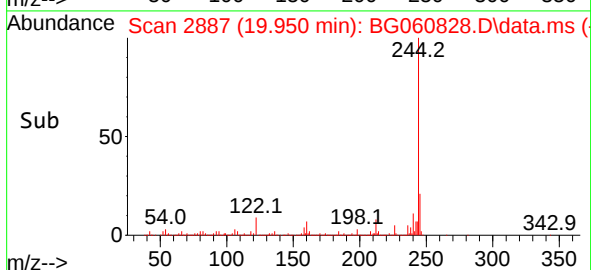
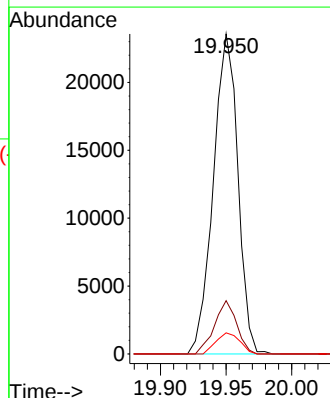
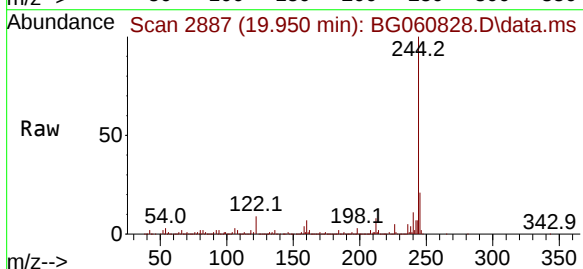
Tgt Ion:184 Resp: 30577

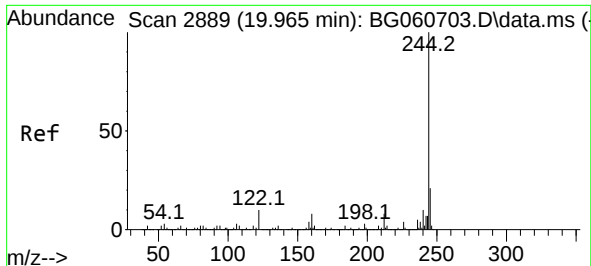
Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.6

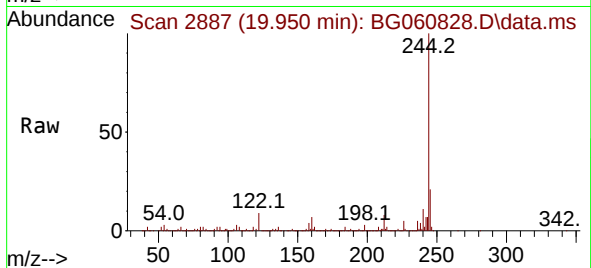
183 6.6 9.5 14.3#



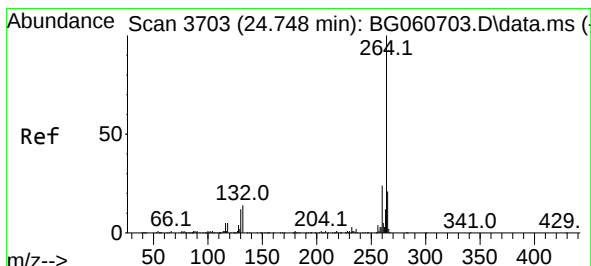
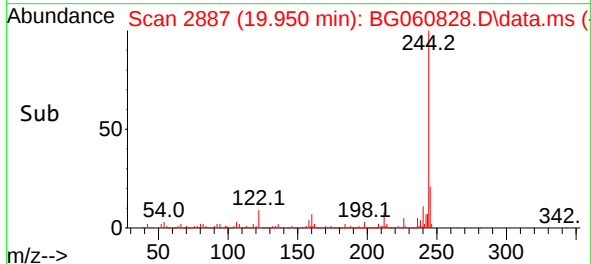
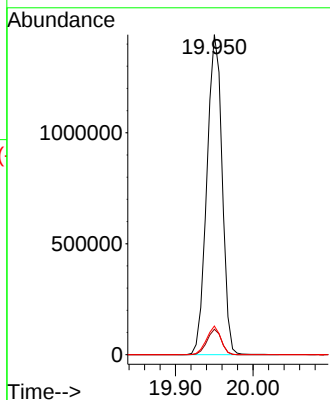


#79  
Terphenyl-d14  
Concen: 81.464 ng  
RT: 19.950 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Instrument :  
BNA\_G  
ClientSampleId :



Tgt Ion:244 Resp: 1970878  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.2 9.2  
122 8.9 7.8 11.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.715 min Scan# 3698  
Delta R.T. -0.033 min  
Lab File: BG060828.D  
Acq: 8 Apr 2024 16:32

Tgt Ion:264 Resp: 498046  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.5 29.3  
265 20.4 16.9 25.3

