

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062922\  
 Data File : BG054145.D  
 Acq On : 29 Jun 2022 14:56  
 Operator : CG/JU  
 Sample : N3517-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-20220627

Quant Time: Jun 29 17:19:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 00:27:54 2022  
 Response via : Initial Calibration

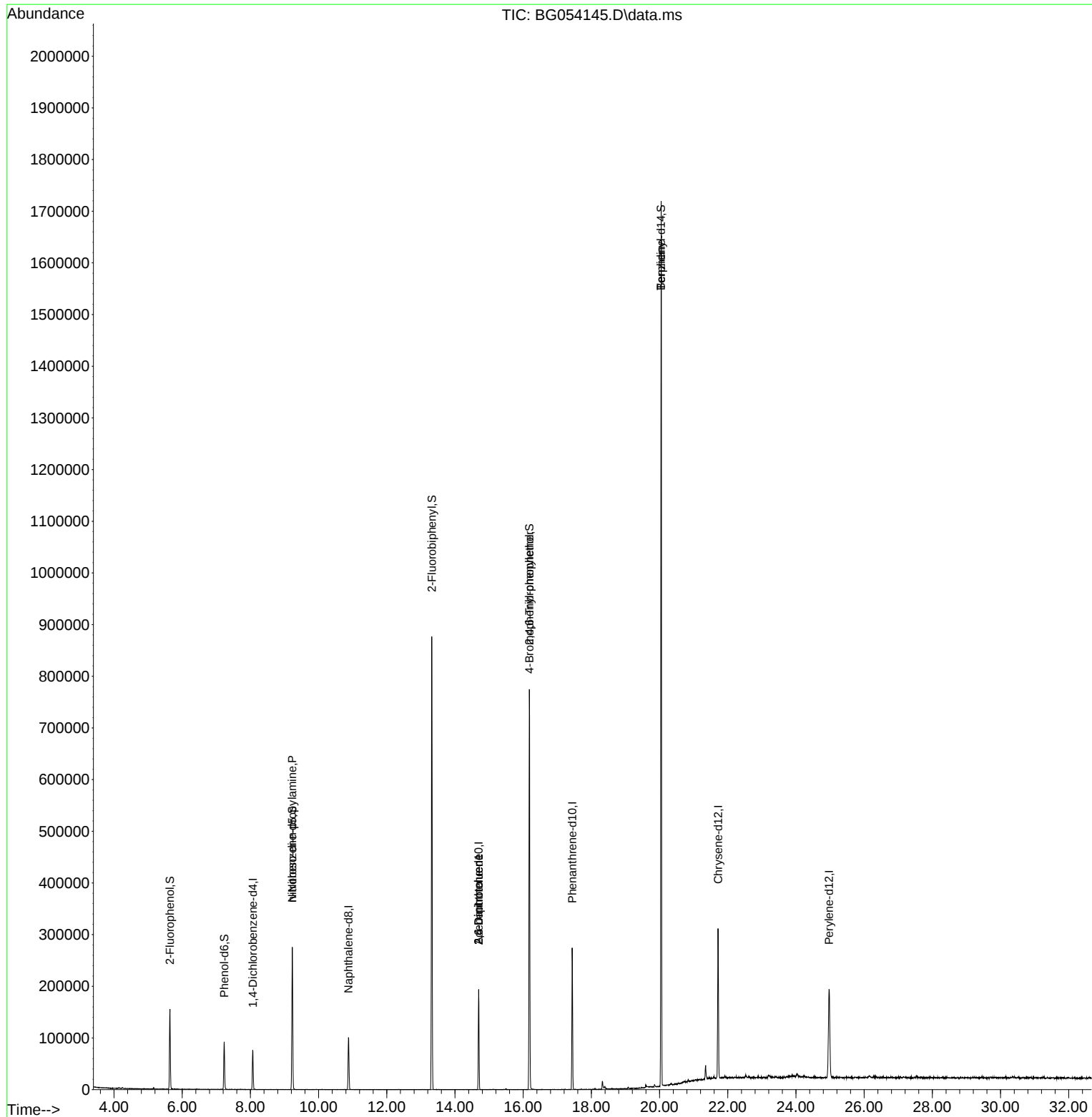
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 24154    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.874 | 136  | 95047    | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.693 | 164  | 71788    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.437 | 188  | 190931   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.714 | 240  | 196661   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 24.969 | 264  | 200046   | 20.000  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.639  | 112  | 72825    | 57.645  | ng     | 0.00     |
| 7) Phenol-d6                  | 7.231  | 99   | 58582    | 34.182  | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.229  | 82   | 174062   | 102.914 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.179 | 330  | 187042   | 162.166 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.318 | 172  | 494226   | 100.110 | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.046 | 244  | 955927   | 97.900  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.229  | 70   | 23415    | 20.336  | ng     | # 80     |
| 51) 2,6-Dinitrotoluene        | 14.693 | 165  | 9992     | 9.046   | ng     | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 9992     | 6.405   | ng     | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.185 | 248  | 11945    | 5.009   | ng     | # 1      |
| 77) Benzidine                 | 20.046 | 184  | 12869    | 3.160   | ng     | # 93     |
| -----                         |        |      |          |         |        |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 27 00:27:54 2022  
Response via : Initial Calibration

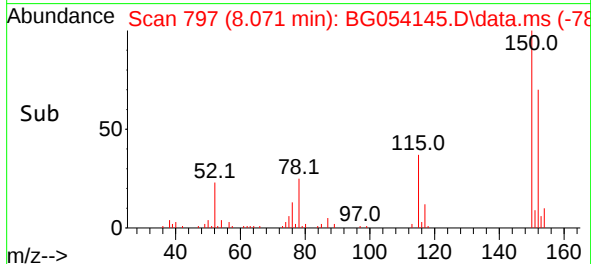
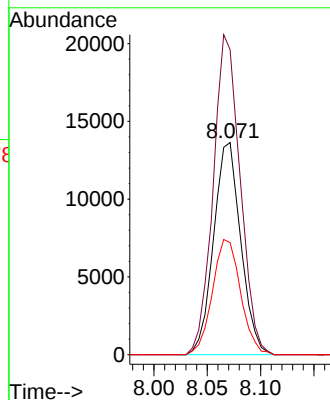
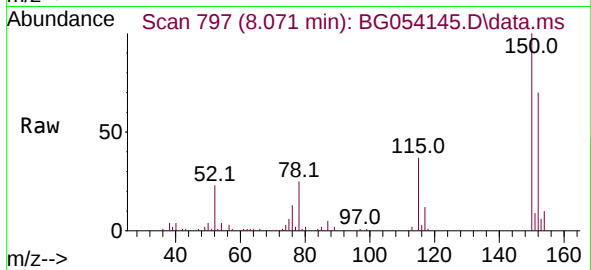




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.071 min Scan# 79  
Delta R.T. 0.001 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

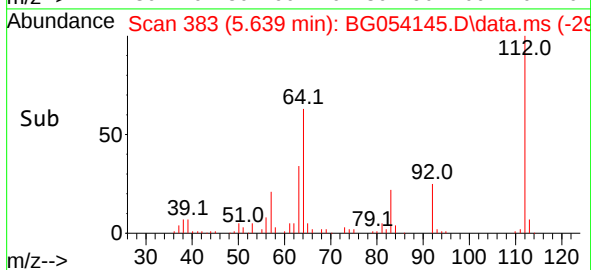
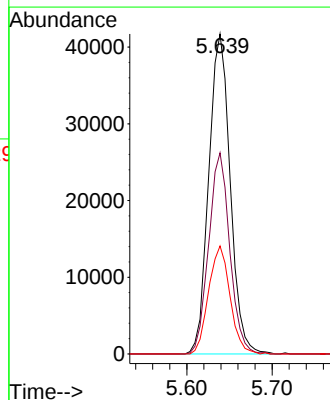
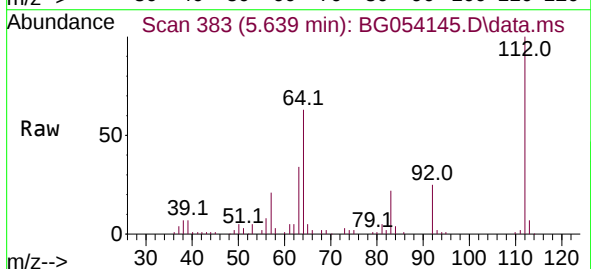
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

Tgt Ion:152 Resp: 24154  
Ion Ratio Lower Upper  
152 100  
150 143.7 131.6 197.4  
115 52.7 50.9 76.3



#5  
2-Fluorophenol  
Concen: 57.645 ng  
RT: 5.639 min Scan# 383  
Delta R.T. 0.001 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion:112 Resp: 72825  
Ion Ratio Lower Upper  
112 100  
64 62.9 55.1 82.7  
63 33.7 30.4 45.6

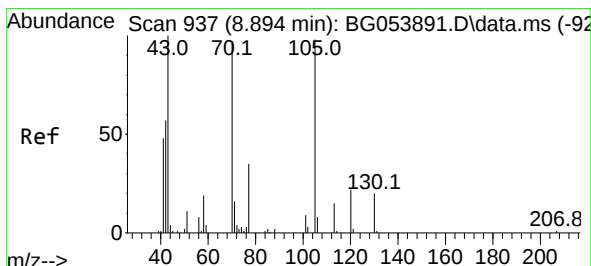
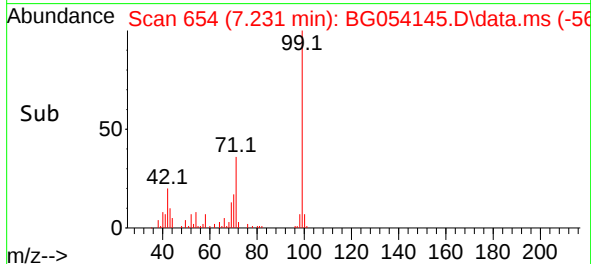
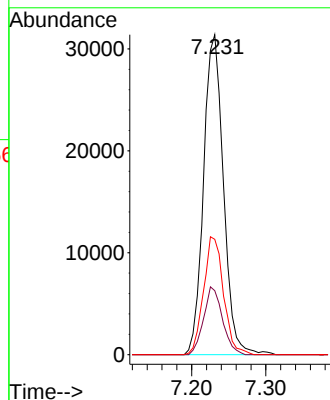
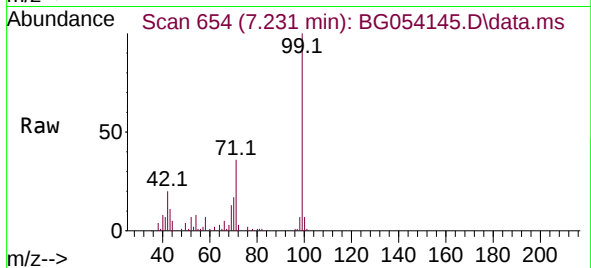




#7  
Phenol-d6  
Concen: 34.182 ng  
RT: 7.231 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

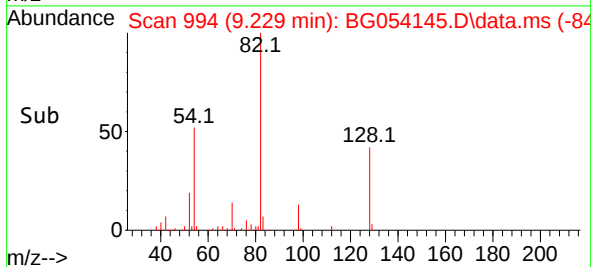
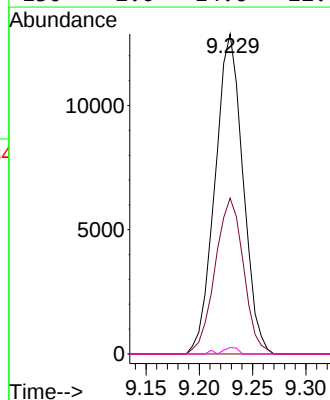
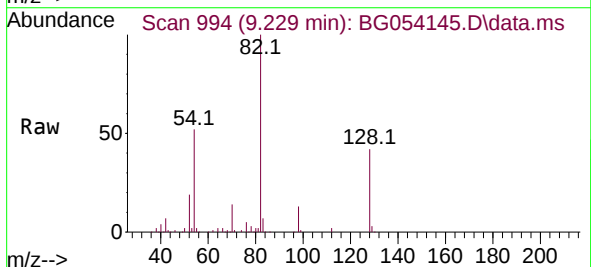
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

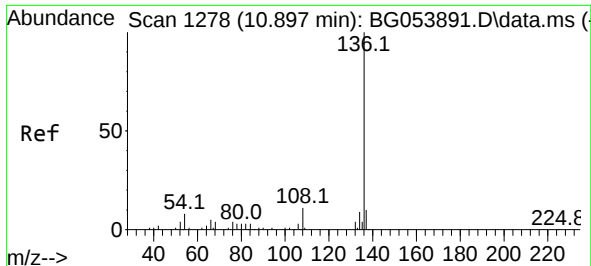
Tgt Ion: 99 Resp: 58582  
Ion Ratio Lower Upper  
99 100  
42 20.0 17.0 25.6  
71 36.1 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.336 ng  
RT: 9.229 min Scan# 994  
Delta R.T. 0.354 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion: 70 Resp: 23415  
Ion Ratio Lower Upper  
70 100  
42 48.7 47.3 70.9  
101 0.0 7.0 10.4#  
130 2.0 14.6 22.0#

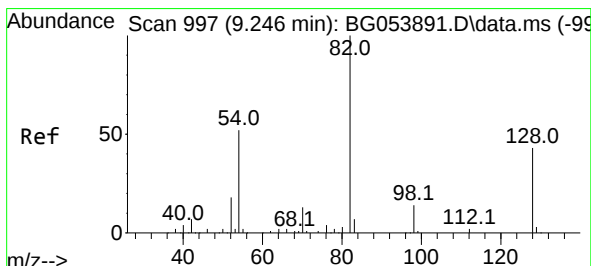
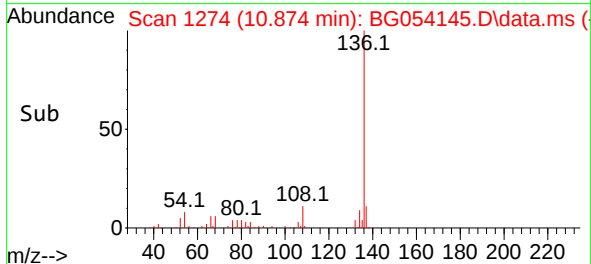
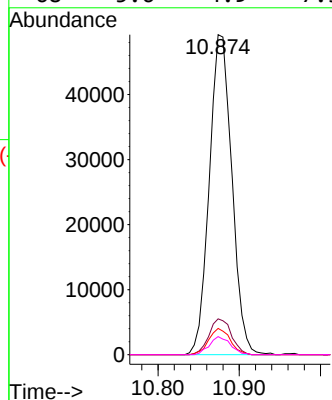
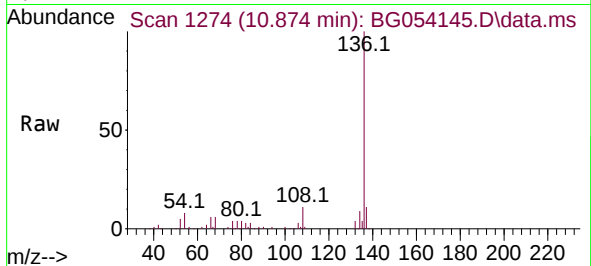




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.874 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

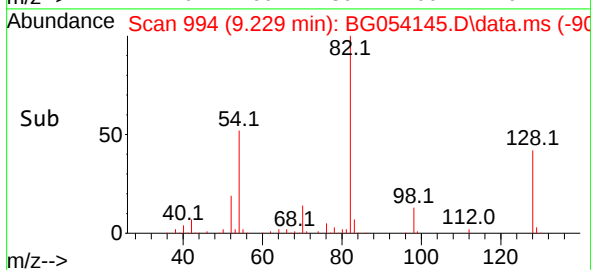
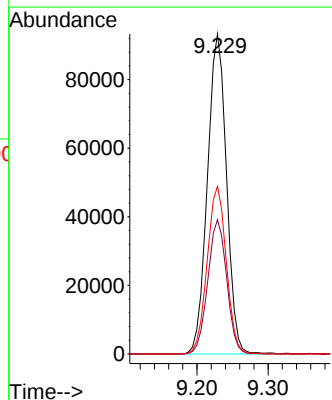
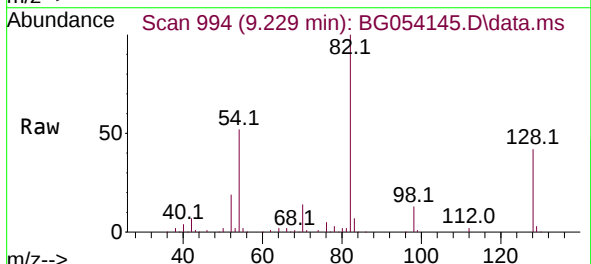
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

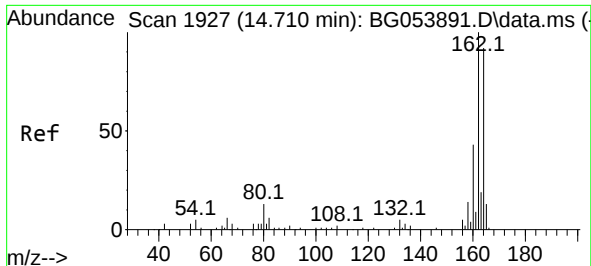
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 95047 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 8.5   | 12.7  |
| 54       | 8.2   | 7.4   | 11.2  |
| 68       | 5.6   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 102.914 ng  
RT: 9.229 min Scan# 994  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

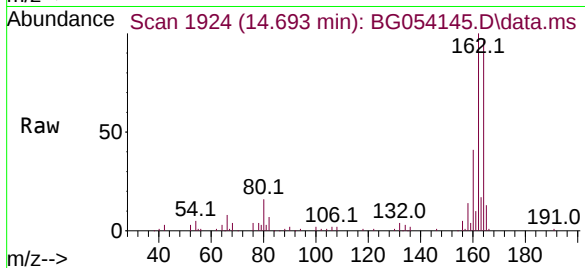
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 174062 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.0  | 27.9  | 41.9#  |
| 54       | 52.4  | 41.2  | 61.8   |



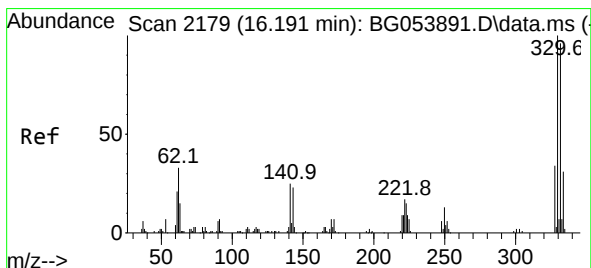
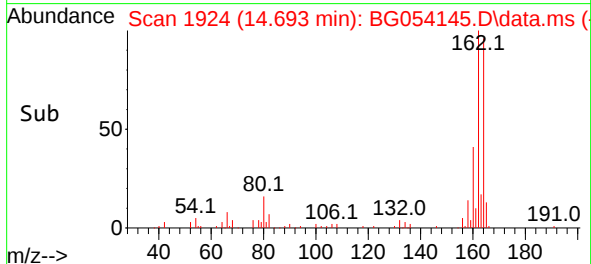
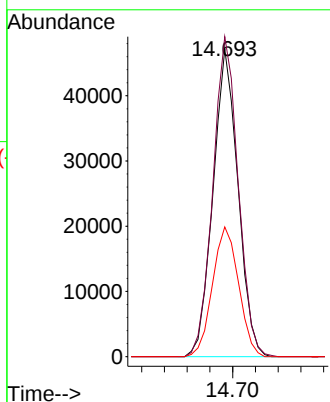


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.693 min Scan# 1924  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

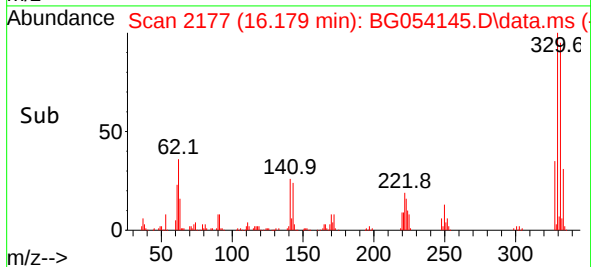
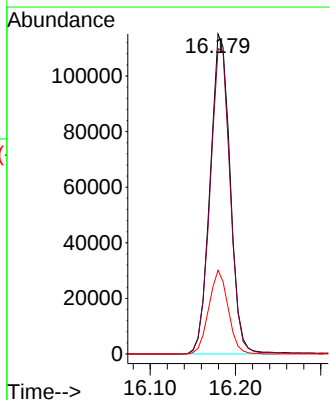
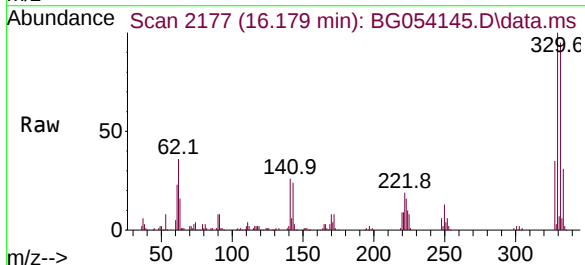


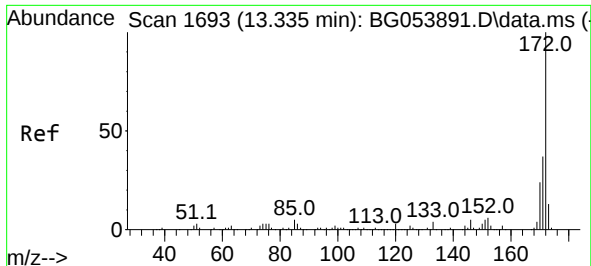
Tgt Ion:164 Resp: 71788  
Ion Ratio Lower Upper  
164 100  
162 104.0 82.3 123.5  
160 42.2 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 162.166 ng  
RT: 16.179 min Scan# 2177  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion:330 Resp: 187042  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.0 114.0  
141 25.3 27.1 40.7#

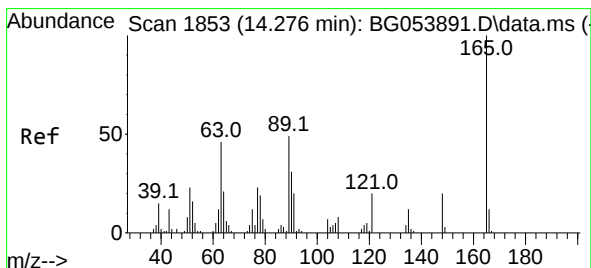
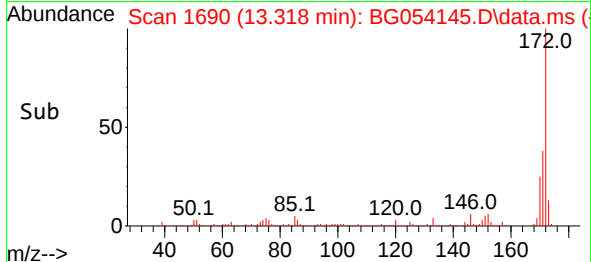
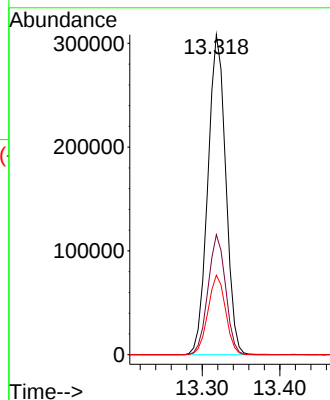
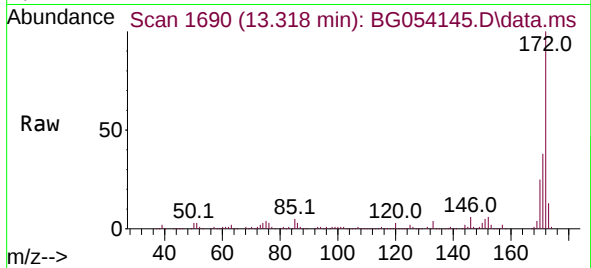




#45  
2-Fluorobiphenyl  
Concen: 100.110 ng  
RT: 13.318 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

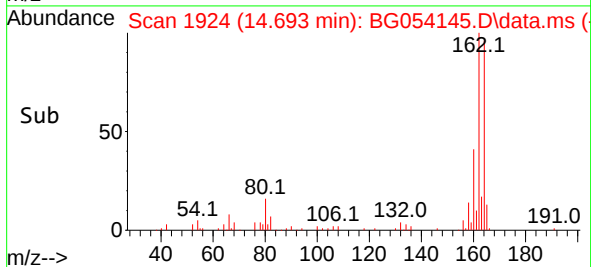
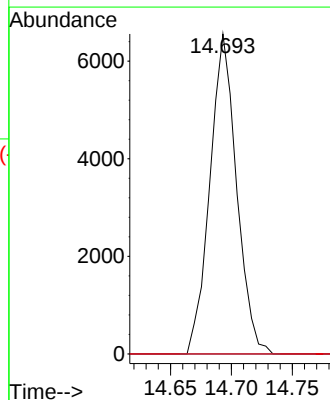
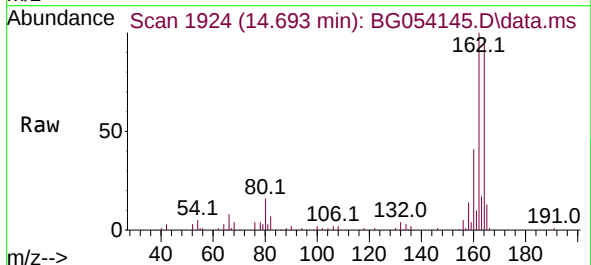
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

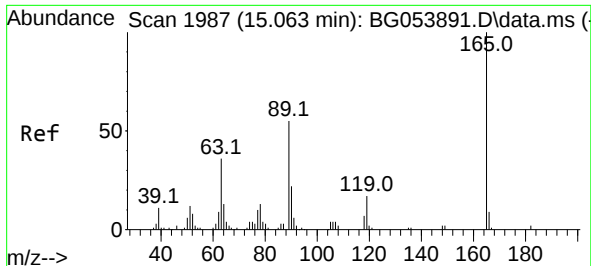
Tgt Ion:172 Resp: 494226  
Ion Ratio Lower Upper  
172 100  
171 37.5 28.5 42.7  
170 24.8 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 9.046 ng  
RT: 14.693 min Scan# 1924  
Delta R.T. 0.430 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion:165 Resp: 9992  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.405 ng

RT: 14.693 min Scan# 1987

Delta R.T. -0.357 min

Lab File: BG054145.D

Acq: 29 Jun 2022 14:56

Instrument :

BNA\_G

ClientSampleId :

MW-3-20220627

Tgt Ion:165 Resp: 9992

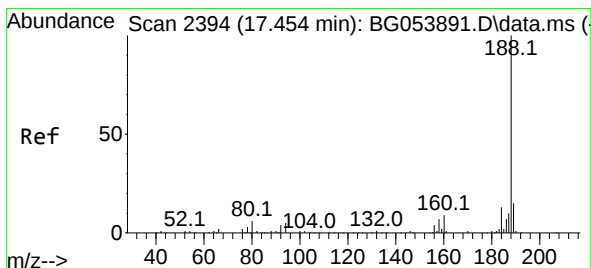
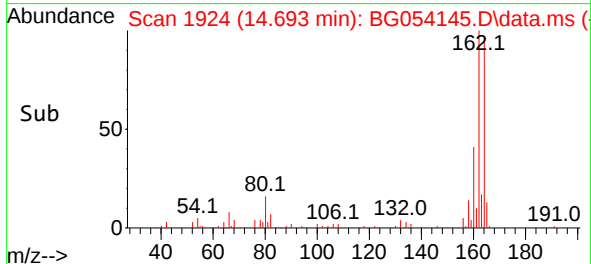
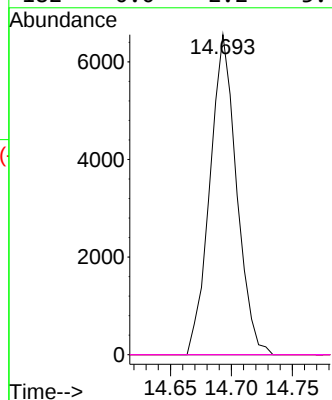
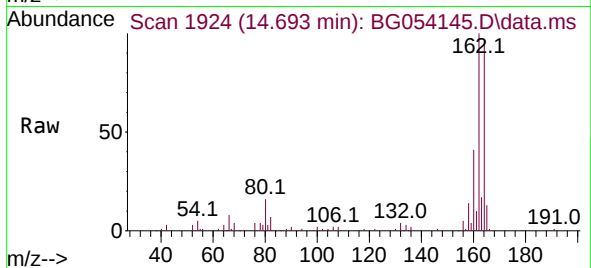
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.437 min Scan# 2391

Delta R.T. -0.005 min

Lab File: BG054145.D

Acq: 29 Jun 2022 14:56

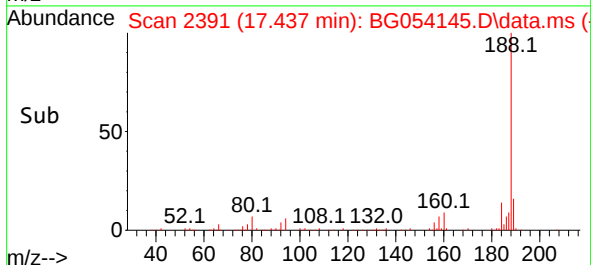
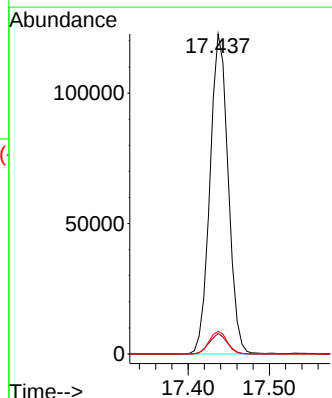
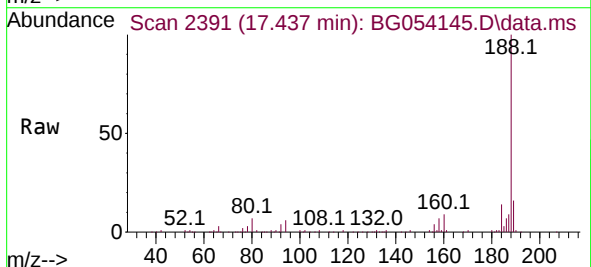
Tgt Ion:188 Resp: 190931

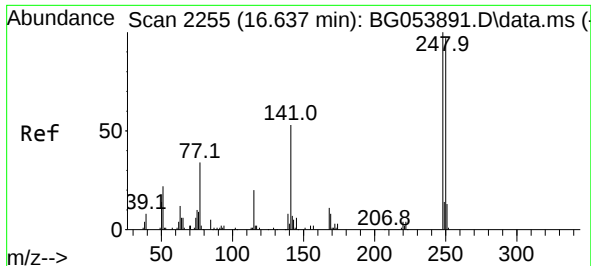
Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.0

80 7.0 6.8 10.2

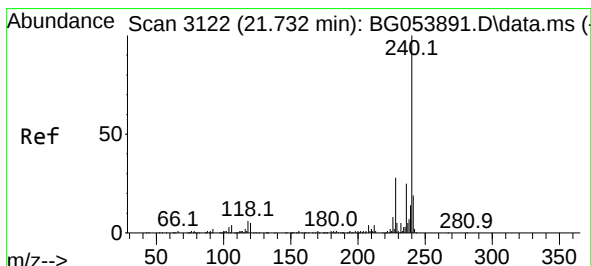
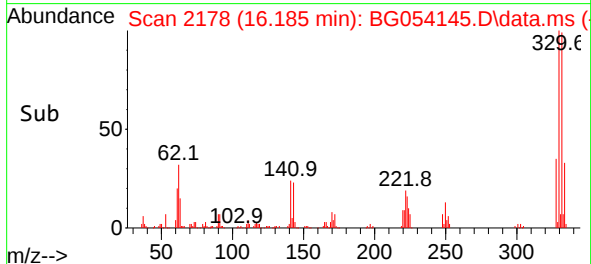
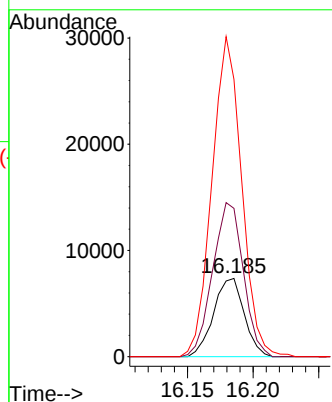
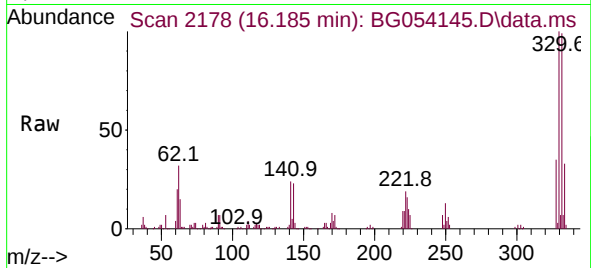




#67  
4-Bromophenyl-phenylether  
Concen: 5.009 ng  
RT: 16.185 min Scan# 2119  
Delta R.T. -0.440 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

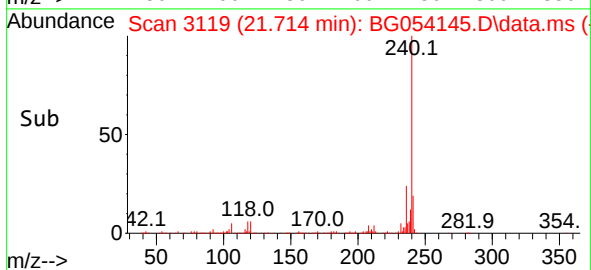
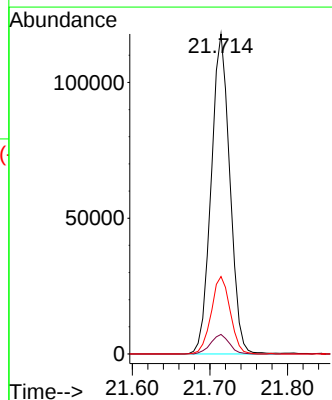
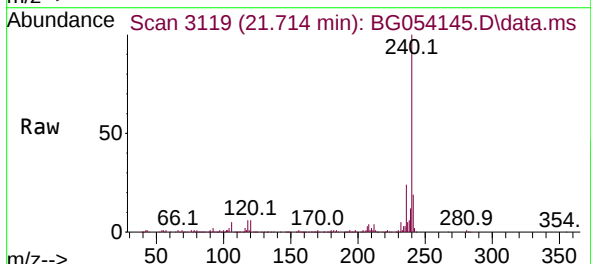
Instrument :  
BNA\_G  
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MW-3-20220627

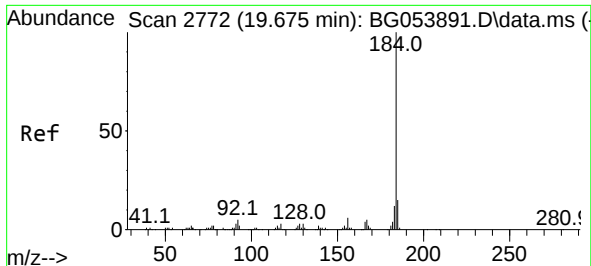
Tgt Ion:248 Resp: 11945  
Ion Ratio Lower Upper  
248 100  
250 184.4 75.2 112.8#  
141 268.0 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.714 min Scan# 3119  
Delta R.T. -0.005 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion:240 Resp: 196661  
Ion Ratio Lower Upper  
240 100  
120 6.1 4.6 7.0  
236 24.2 20.2 30.4

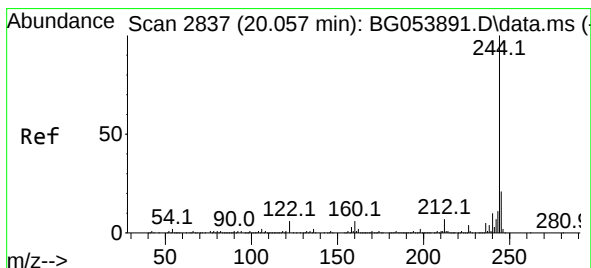
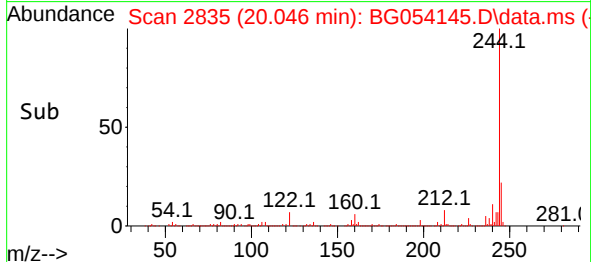
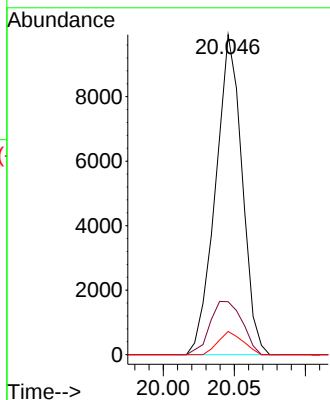
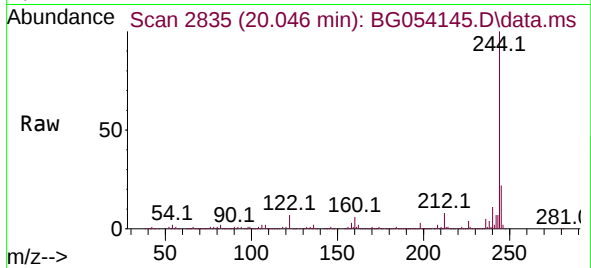




#77  
Benzidine  
Concen: 3.160 ng  
RT: 20.046 min Scan# 2835  
Delta R.T. 0.383 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

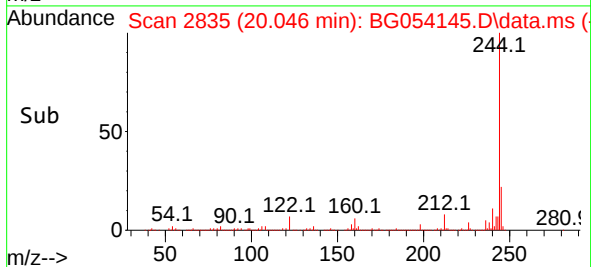
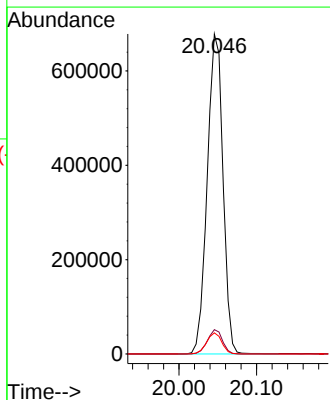
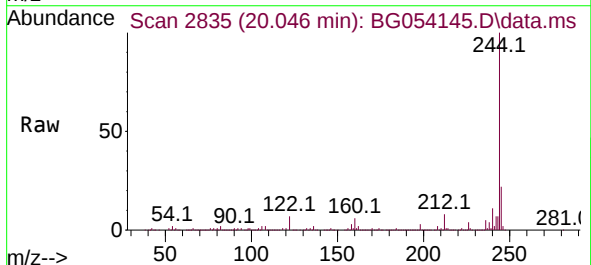
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-20220627

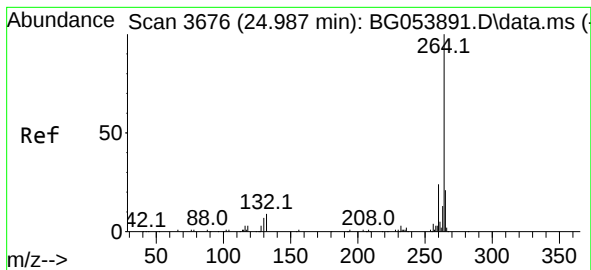
Tgt Ion:184 Resp: 12869  
Ion Ratio Lower Upper  
184 100  
185 16.6 11.8 17.6  
183 7.2 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 97.900 ng  
RT: 20.046 min Scan# 2835  
Delta R.T. 0.001 min  
Lab File: BG054145.D  
Acq: 29 Jun 2022 14:56

Tgt Ion:244 Resp: 955927  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.5 9.7  
122 6.6 5.0 7.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.969 min Scan# 30  
 Delta R.T. 0.007 min  
 Lab File: BG054145.D  
 Acq: 29 Jun 2022 14:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-20220627

Tgt Ion:264 Resp: 200046  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 19.0 28.6  
 265 19.7 17.4 26.2

