

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041123\  
 Data File : BG057059.D  
 Acq On : 11 Apr 2023 19:05  
 Operator : CG/JU  
 Sample : 02262-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JPP-2-040723

Quant Time: Apr 12 04:42:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 08 04:45:47 2023  
 Response via : Initial Calibration

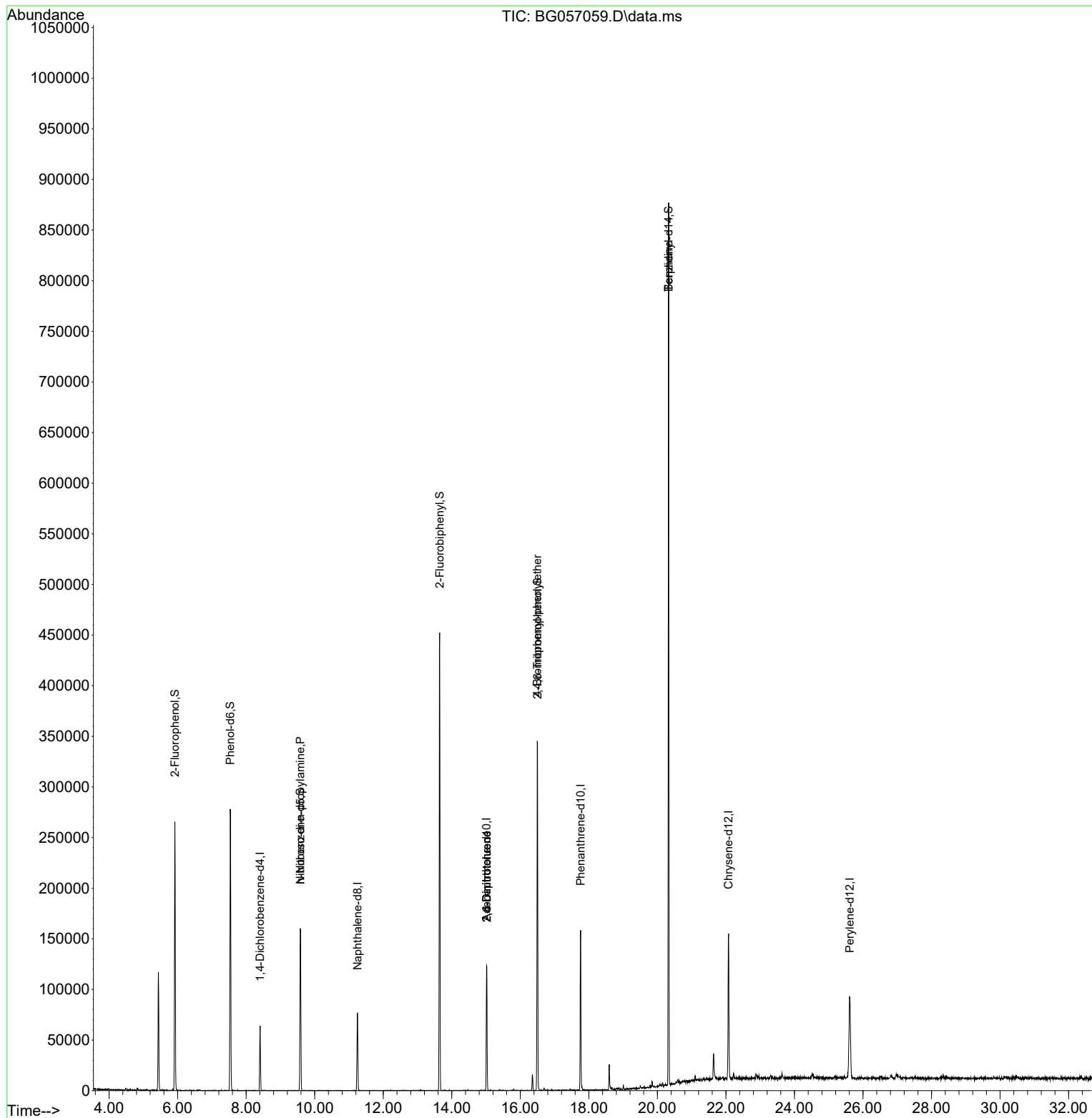
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.406  | 152  | 16905    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.249 | 136  | 64680    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 15.015 | 164  | 46241    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.758 | 188  | 101614   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.076 | 240  | 90710    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.612 | 264  | 97552    | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.921  | 112  | 112988   | 106.969 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.537  | 99   | 161034   | 101.934 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.581  | 82   | 102620   | 64.919  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.501 | 330  | 72487    | 98.126  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.646 | 172  | 233909   | 68.593  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.325 | 244  | 408259   | 76.159  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.581  | 70   | 14640    | 12.956  | ng    | # 84     |
| 51) 2,6-Dinitrotoluene        | 15.021 | 165  | 5850     | 7.431   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 15.021 | 165  | 5850     | 5.269   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.495 | 248  | 4601     | 3.659   | ng    | # 1      |
| 77) Benzidine                 | 20.325 | 184  | 6400     | 2.581   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

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

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JPP-2-040723

Quant Time: Apr 12 04:42:36 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Apr 08 04:45:47 2023  
Response via : Initial Calibration

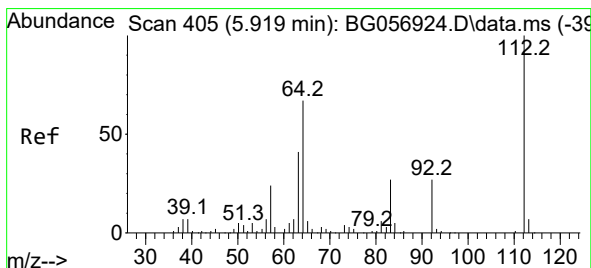
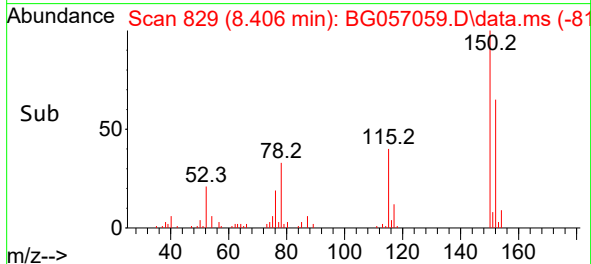
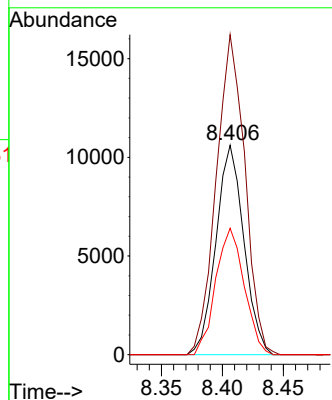
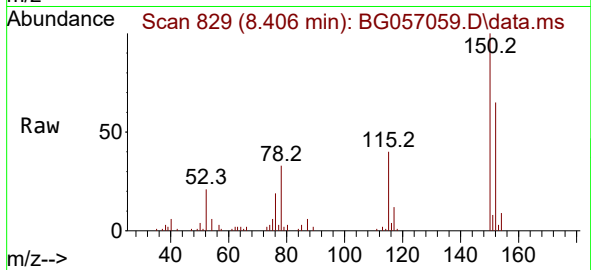




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.406 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

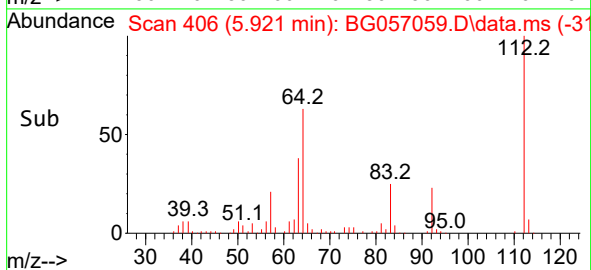
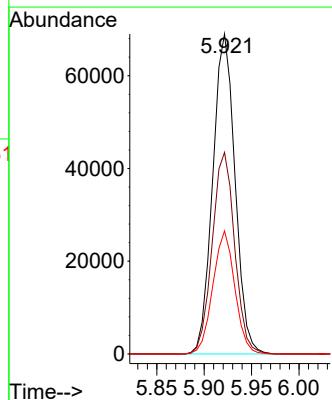
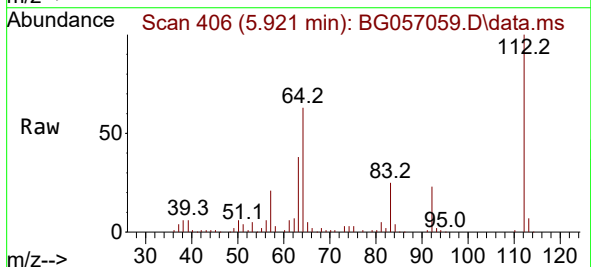
Instrument :  
BNA\_G  
ClientSampleId :  
JPP-2-040723

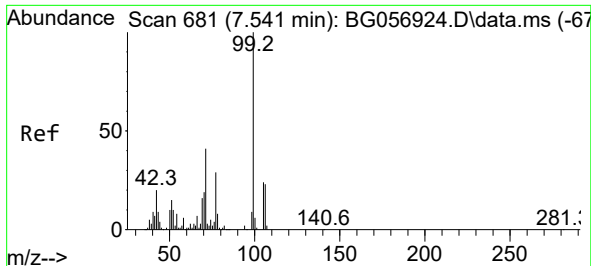
Tgt Ion:152 Resp: 16905  
Ion Ratio Lower Upper  
152 100  
150 152.8 124.1 186.1  
115 60.4 49.1 73.7



#5  
2-Fluorophenol  
Concen: 106.969 ng  
RT: 5.921 min Scan# 406  
Delta R.T. 0.004 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion:112 Resp: 112988  
Ion Ratio Lower Upper  
112 100  
64 63.0 53.2 79.8  
63 38.5 32.6 48.8

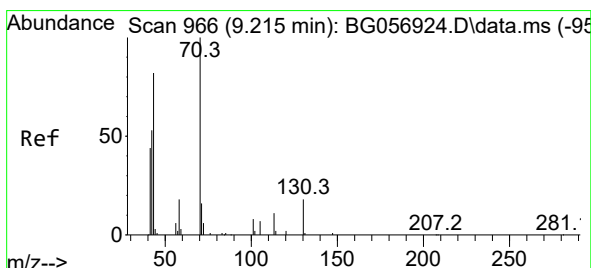
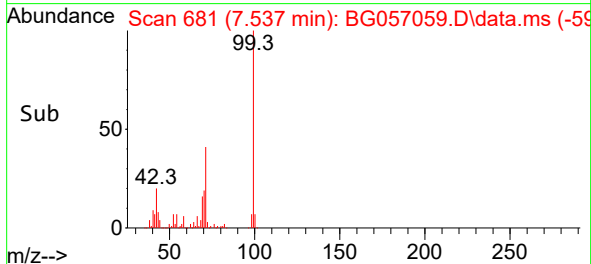
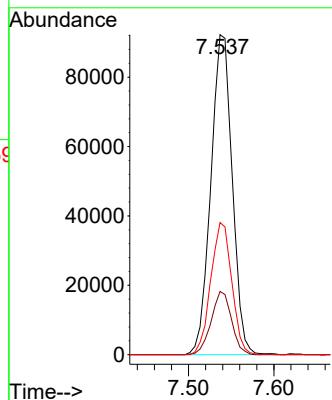
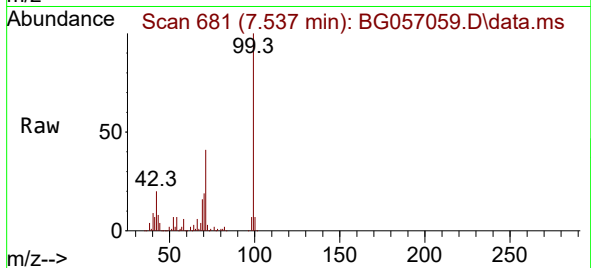




#7  
Phenol-d6  
Concen: 101.934 ng  
RT: 7.537 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

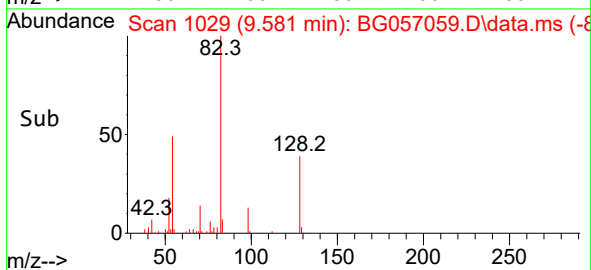
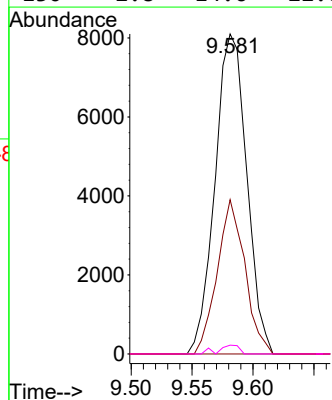
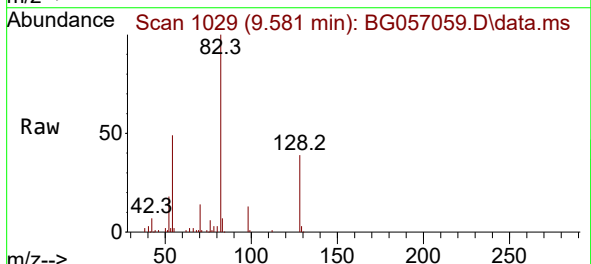
Instrument :  
BNA\_G  
ClientSampleId :  
JPP-2-040723

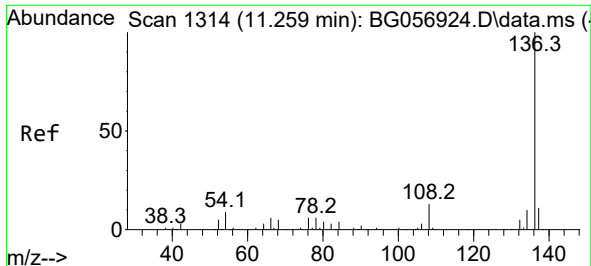
Tgt Ion: 99 Resp: 161034  
Ion Ratio Lower Upper  
99 100  
42 19.8 15.7 23.5  
71 41.3 32.5 48.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.956 ng  
RT: 9.581 min Scan# 1029  
Delta R.T. 0.369 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion: 70 Resp: 14640  
Ion Ratio Lower Upper  
70 100  
42 48.2 43.4 65.0  
101 0.0 6.2 9.2#  
130 2.8 14.6 22.0#

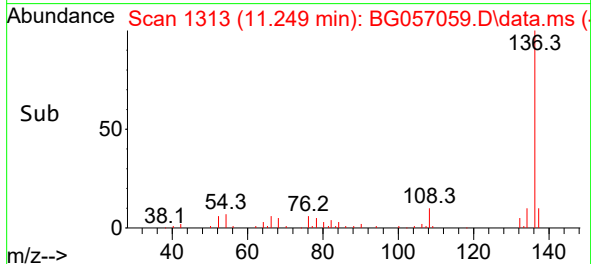
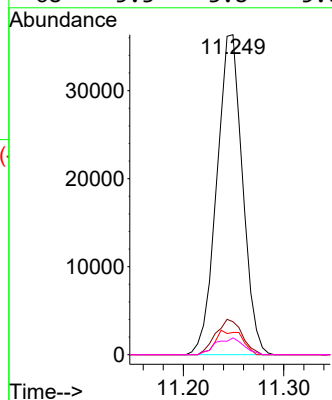
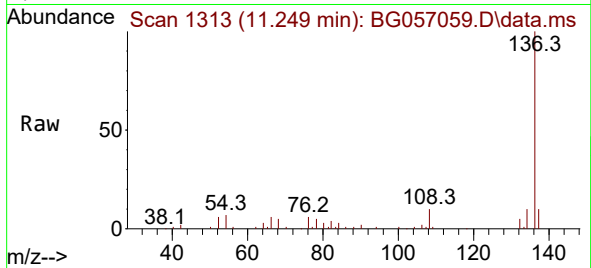




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.249 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

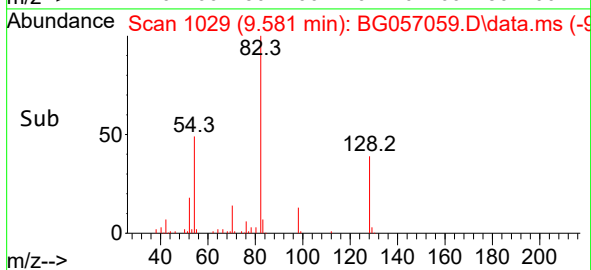
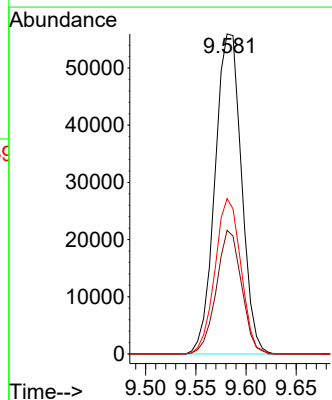
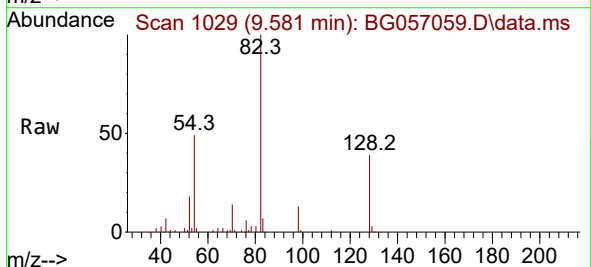
Instrument :  
BNA\_G  
ClientSampleId :  
JPP-2-040723

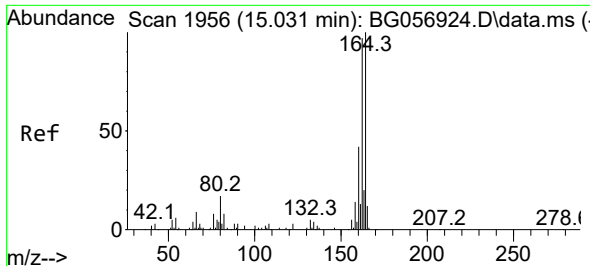
Tgt Ion:136 Resp: 64680  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.6 13.0  
54 7.0 6.9 10.3  
68 5.3 3.8 5.6



#23  
Nitrobenzene-d5  
Concen: 64.919 ng  
RT: 9.581 min Scan# 1029  
Delta R.T. -0.007 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion: 82 Resp: 102620  
Ion Ratio Lower Upper  
82 100  
128 38.7 27.9 41.9  
54 48.6 39.4 59.2

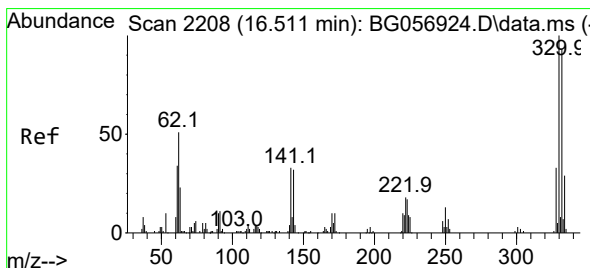
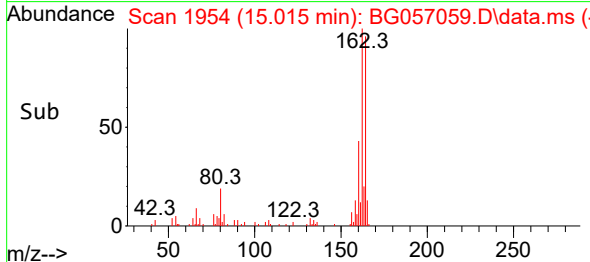
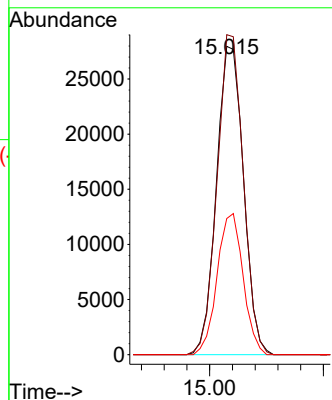
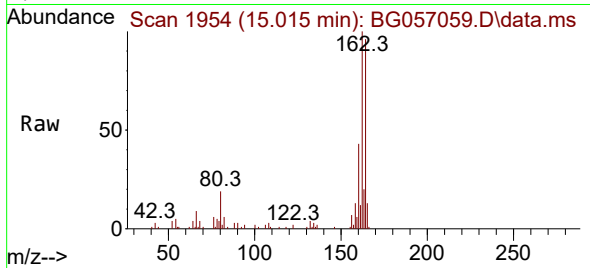




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.015 min Scan# 1954  
Delta R.T. -0.007 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

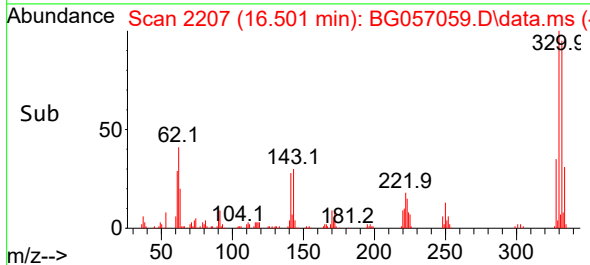
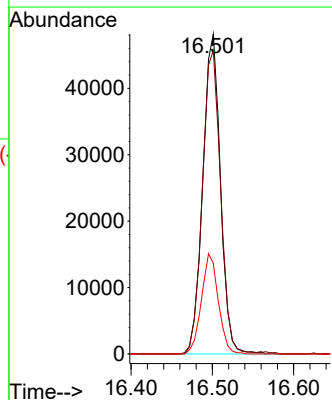
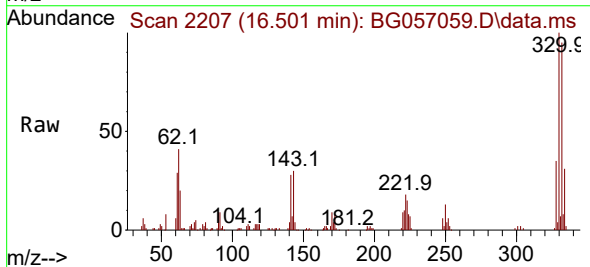
Instrument :  
BNA\_G  
ClientSampleId :  
JPP-2-040723

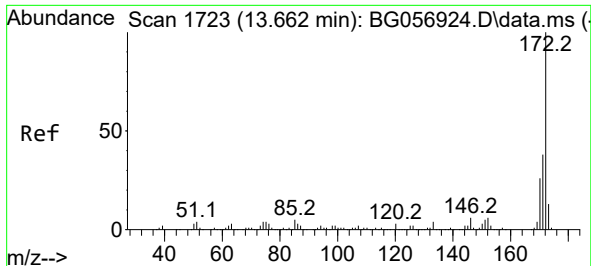
Tgt Ion:164 Resp: 46241  
Ion Ratio Lower Upper  
164 100  
162 103.8 77.8 116.8  
160 44.2 33.5 50.3



#42  
2,4,6-Tribromophenol  
Concen: 98.126 ng  
RT: 16.501 min Scan# 2207  
Delta R.T. -0.001 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion:330 Resp: 72487  
Ion Ratio Lower Upper  
330 100  
332 97.8 76.1 114.1  
141 30.0 25.8 38.6

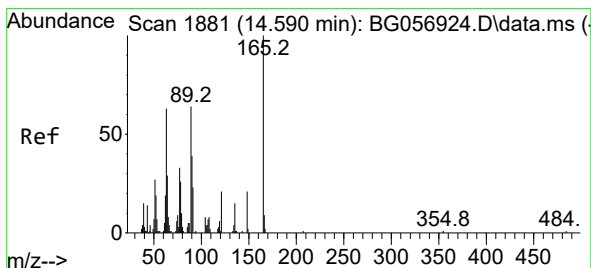
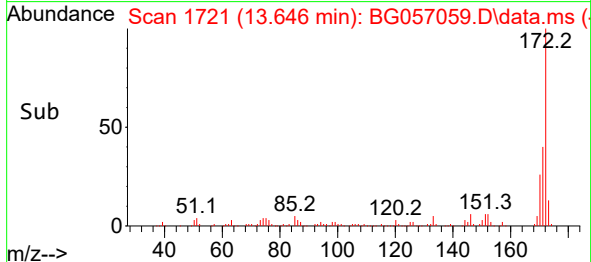
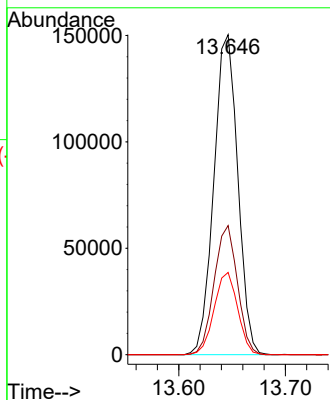
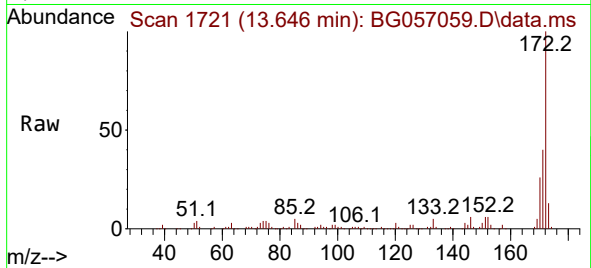




#45  
2-Fluorobiphenyl  
Concen: 68.593 ng  
RT: 13.646 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

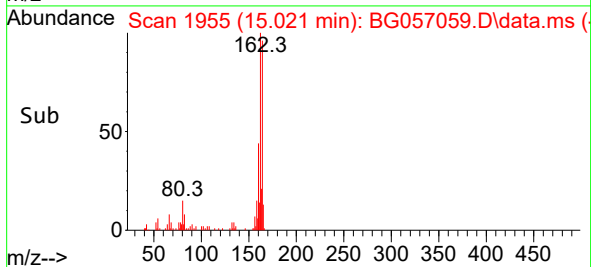
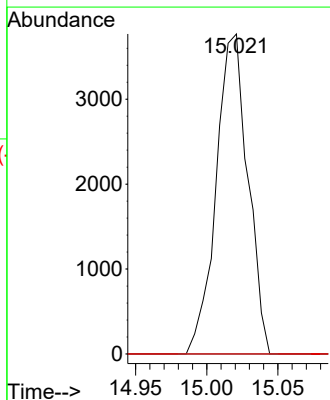
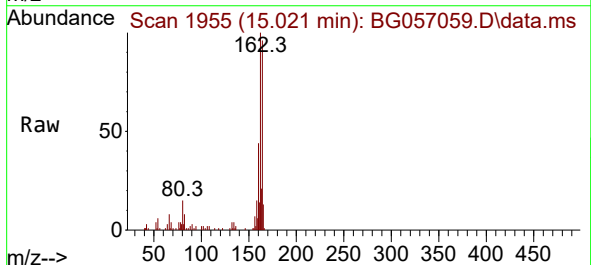
Instrument :  
BNA\_G  
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JPP-2-040723

Tgt Ion:172 Resp: 233909  
Ion Ratio Lower Upper  
172 100  
171 40.4 30.6 46.0  
170 25.7 20.6 30.8



#51  
2,6-Dinitrotoluene  
Concen: 7.431 ng  
RT: 15.021 min Scan# 1955  
Delta R.T. 0.433 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion:165 Resp: 5850  
Ion Ratio Lower Upper  
165 100  
63 0.0 53.0 79.6#  
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.269 ng

RT: 15.021 min Scan# 1955

Delta R.T. -0.348 min

Lab File: BG057059.D

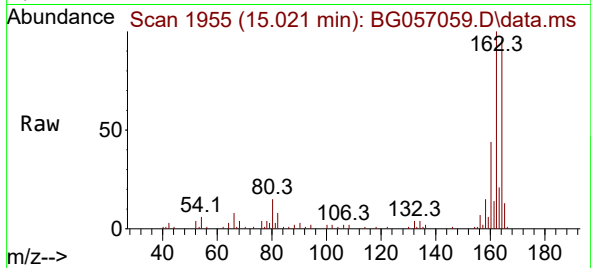
Acq: 11 Apr 2023 19:05

Instrument :

BNA\_G

ClientSampleId :

JPP-2-040723



Tgt Ion:165 Resp: 5850

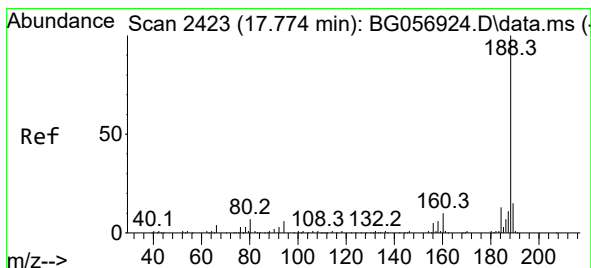
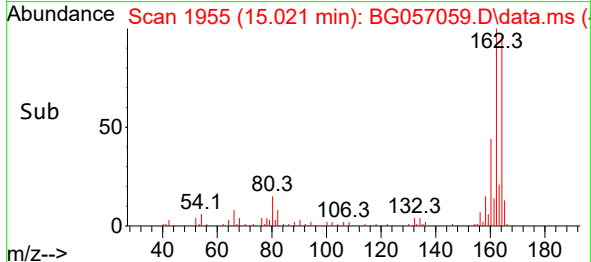
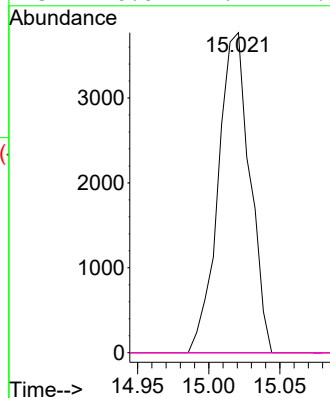
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.758 min Scan# 2421

Delta R.T. -0.001 min

Lab File: BG057059.D

Acq: 11 Apr 2023 19:05

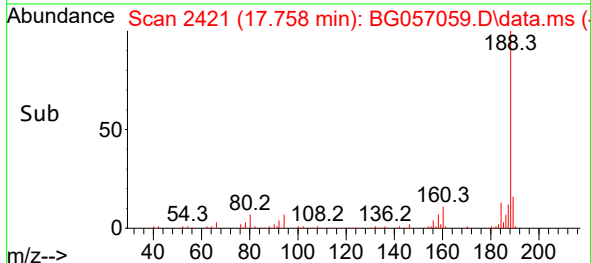
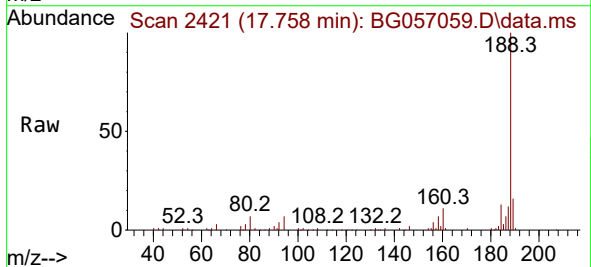
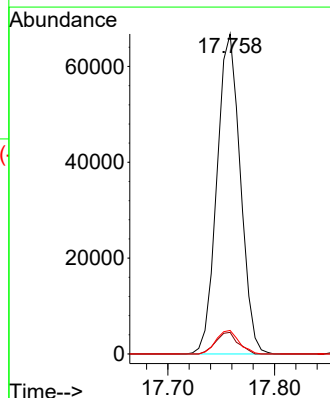
Tgt Ion:188 Resp: 101614

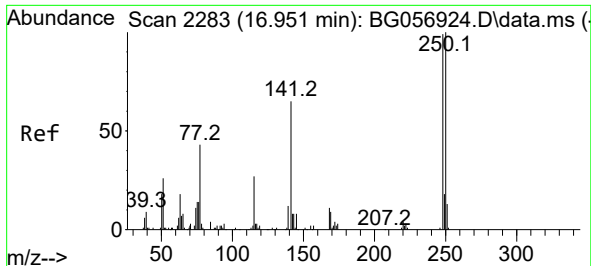
Ion Ratio Lower Upper

188 100

94 6.8 4.6 6.8

80 7.4 5.5 8.3

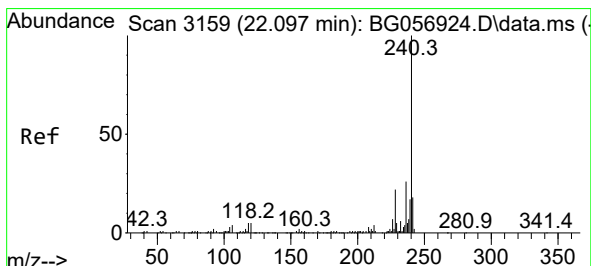
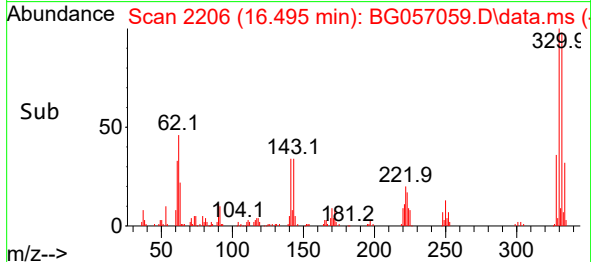
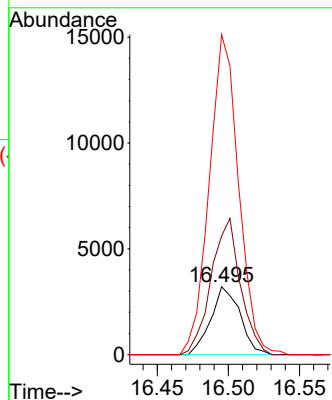
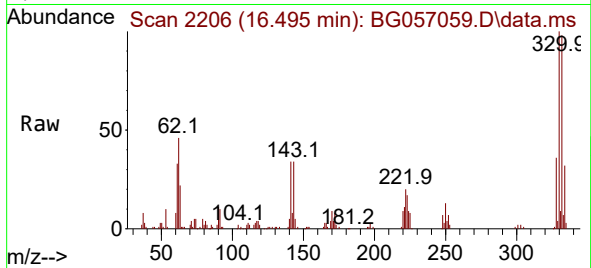




#67  
4-Bromophenyl-phenylether  
Concen: 3.659 ng  
RT: 16.495 min Scan# 21  
Delta R.T. -0.442 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

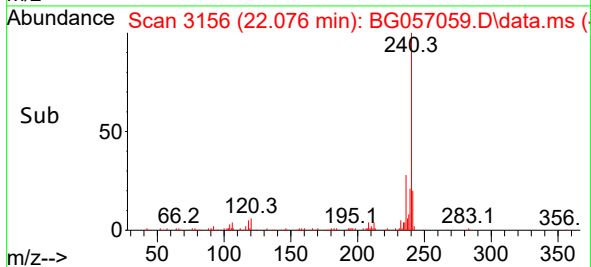
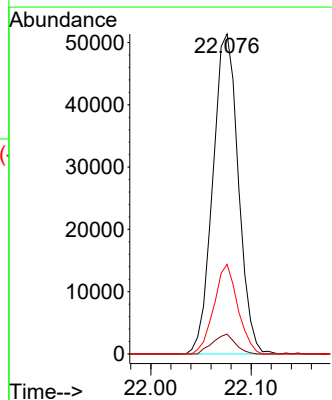
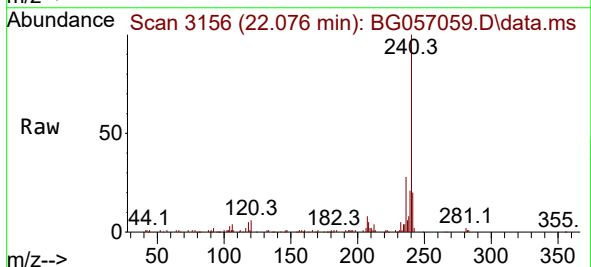
Instrument :  
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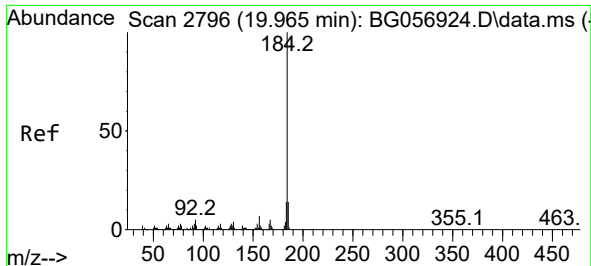
Tgt Ion:248 Resp: 4601  
Ion Ratio Lower Upper  
248 100  
250 174.9 80.5 120.7#  
141 471.0 52.0 78.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.076 min Scan# 3156  
Delta R.T. -0.007 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion:240 Resp: 90710  
Ion Ratio Lower Upper  
240 100  
120 6.2 3.8 5.6#  
236 28.0 21.0 31.6

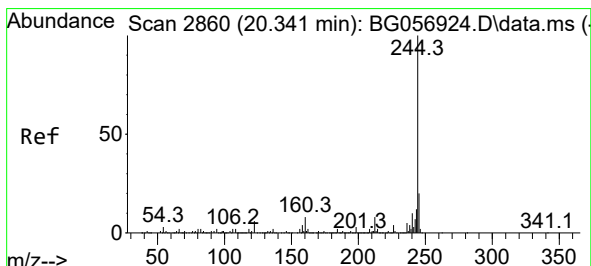
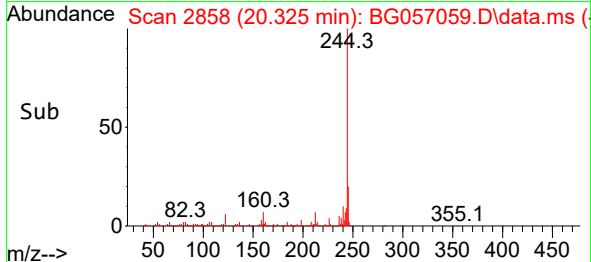
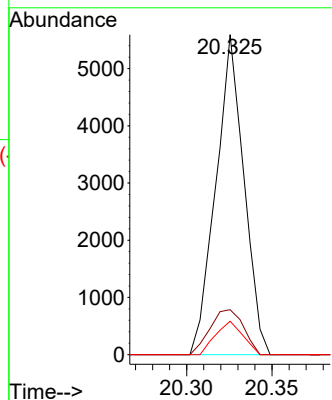
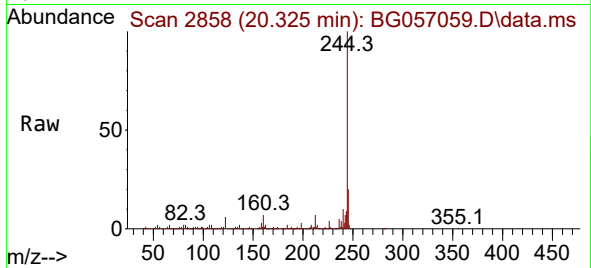




#77  
Benzidine  
Concen: 2.581 ng  
RT: 20.325 min Scan# 2858  
Delta R.T. 0.375 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

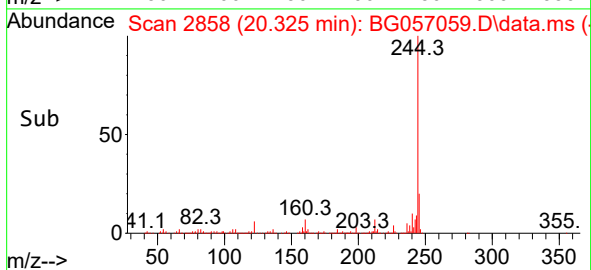
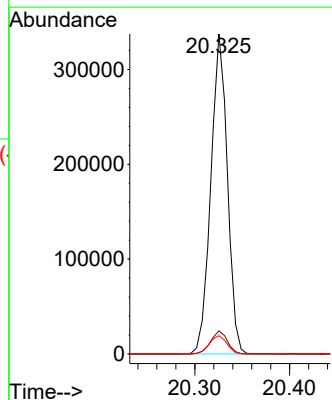
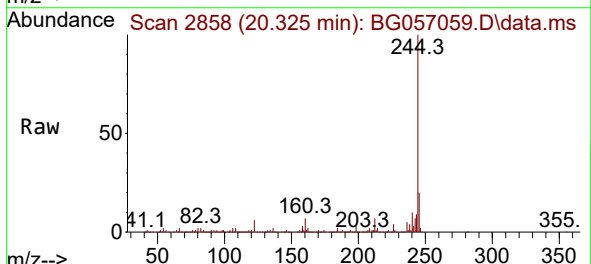
Instrument :  
BNA\_G  
ClientSampleId :  
JPP-2-040723

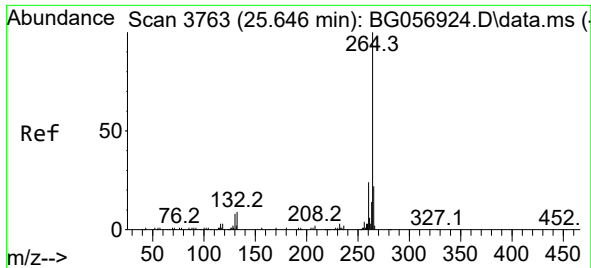
Tgt Ion:184 Resp: 6400  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.0 16.4  
183 10.5 11.4 17.0#



#79  
Terphenyl-d14  
Concen: 76.159 ng  
RT: 20.325 min Scan# 2858  
Delta R.T. -0.001 min  
Lab File: BG057059.D  
Acq: 11 Apr 2023 19:05

Tgt Ion:244 Resp: 408259  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.1 9.1  
122 5.7 5.0 7.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.612 min Scan# 31  
 Delta R.T. -0.019 min  
 Lab File: BG057059.D  
 Acq: 11 Apr 2023 19:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JPP-2-040723

Tgt Ion:264 Resp: 97552  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.0 28.4  
 265 24.1 17.8 26.6

