

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021022\  
 Data File : BG052356.D  
 Acq On : 10 Feb 2022 16:22  
 Operator : CG/JU  
 Sample : N1432-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-6

Quant Time: Feb 10 17:50:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 08 01:21:20 2022  
 Response via : Initial Calibration

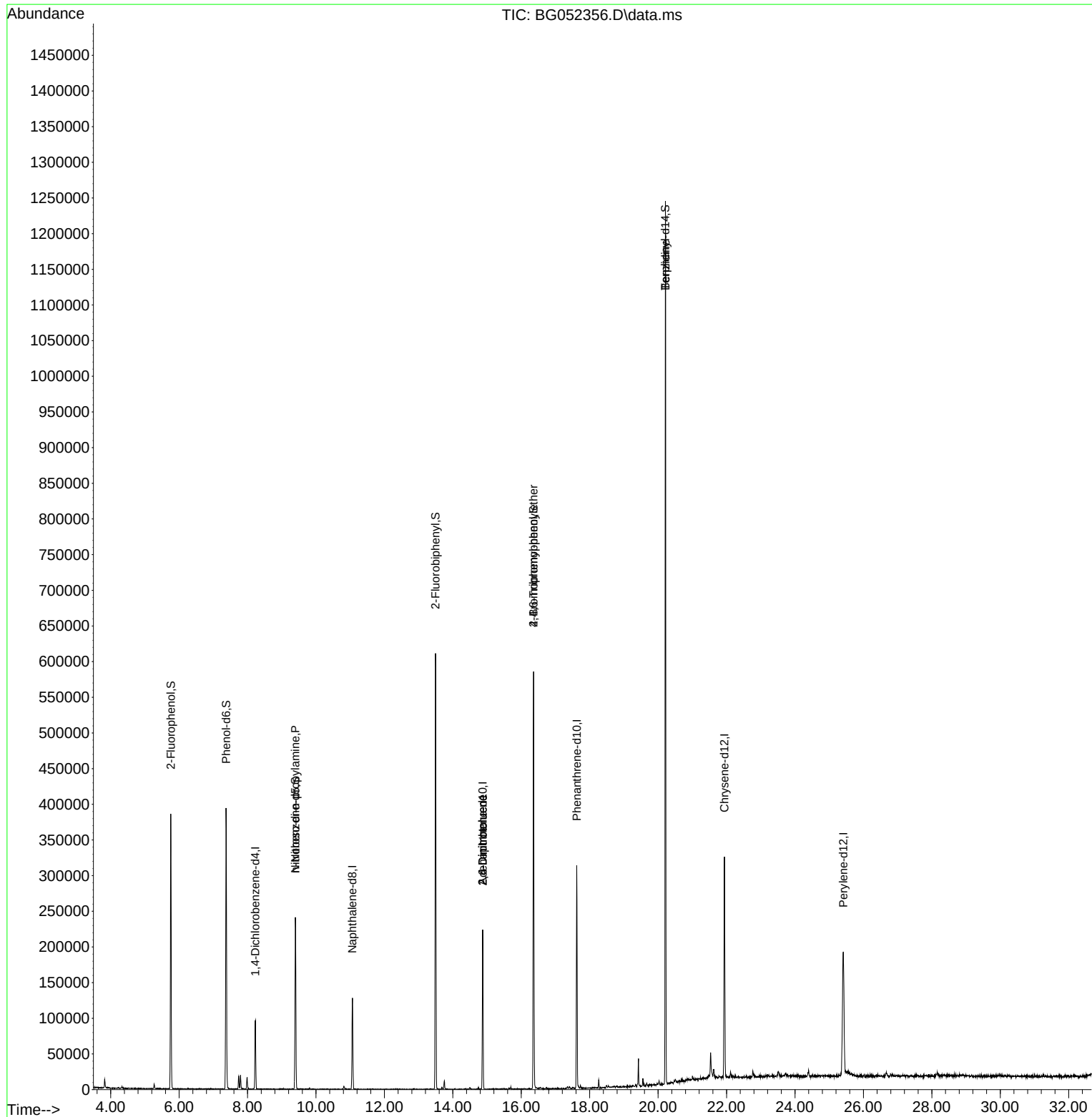
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.228  | 152  | 27287    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.066 | 136  | 110330   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.872 | 164  | 77402    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.622 | 188  | 200037   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.939 | 240  | 206455   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 25.411 | 264  | 210666   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.755  | 112  | 157951   | 100.886   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.371  | 99   | 220100   | 91.112    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.397  | 82   | 154909   | 61.022    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.359 | 330  | 117044   | 105.255   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.492 | 172  | 333674   | 59.902    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.212 | 244  | 634337   | 54.257    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.382  | 77   | 343      | Below Cal | #     | 8        |
| 19) n-Nitroso-di-n-propyla... | 9.397  | 70   | 20987    | 11.524    | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.872 | 165  | 10765    | 8.413     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.872 | 165  | 10765    | 5.911     | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.359 | 248  | 7499     | 3.083     | ng    | # 1      |
| 77) Benzidine                 | 20.218 | 184  | 9144     | 2.073     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

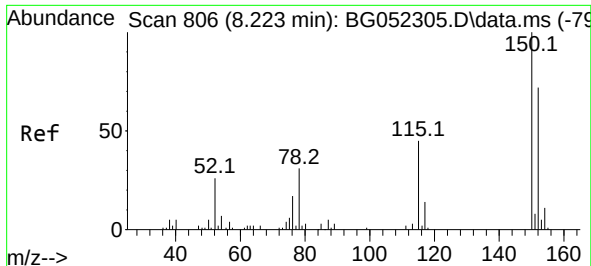
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021022\  
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Quant Time: Feb 10 17:50:31 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 08 01:21:20 2022  
Response via : Initial Calibration

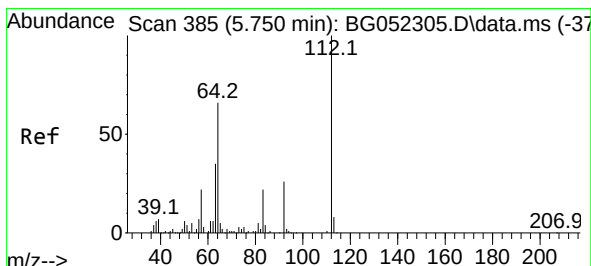
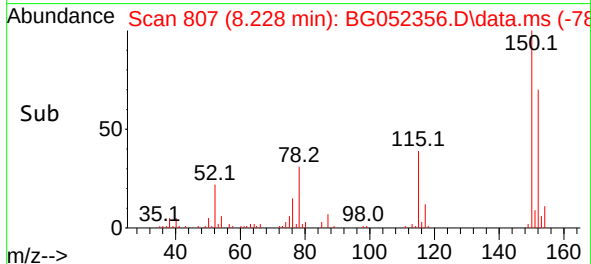
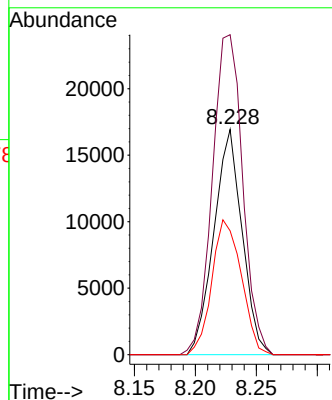
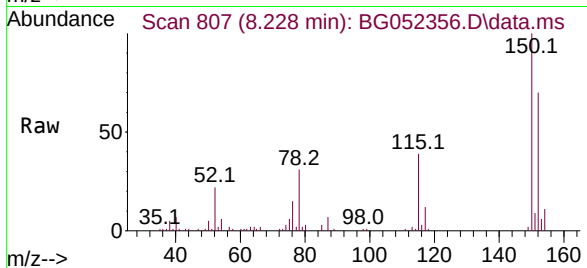




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.228 min Scan# 806  
Delta R.T. 0.005 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

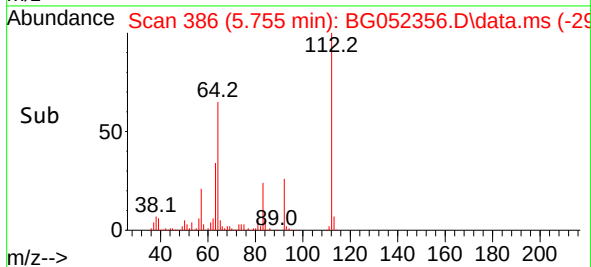
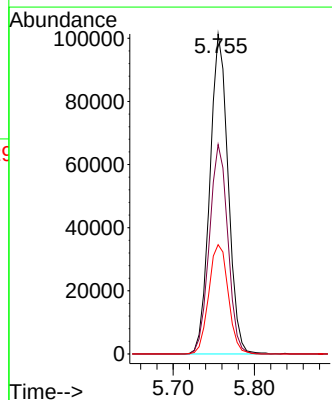
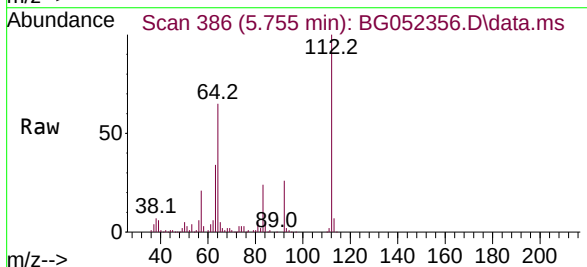
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

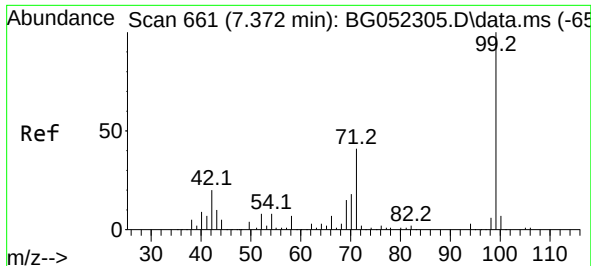
Tgt Ion:152 Resp: 27287  
Ion Ratio Lower Upper  
152 100  
150 142.0 117.8 176.8  
115 55.0 50.2 75.2



#5  
2-Fluorophenol  
Concen: 100.886 ng  
RT: 5.755 min Scan# 386  
Delta R.T. 0.005 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion:112 Resp: 157951  
Ion Ratio Lower Upper  
112 100  
64 65.5 60.4 90.6  
63 34.1 33.3 49.9

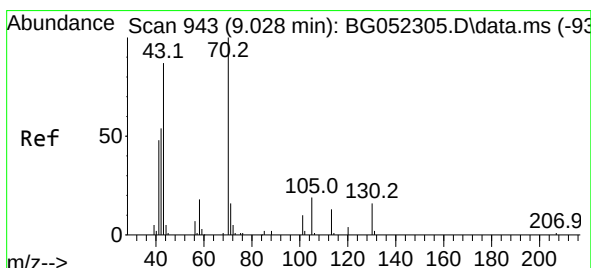
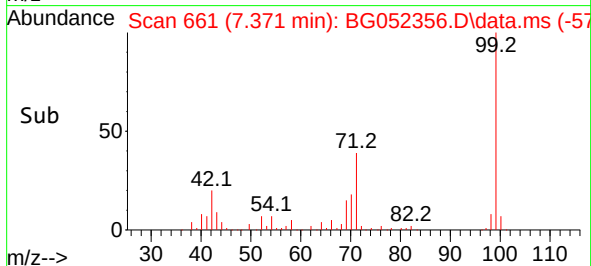
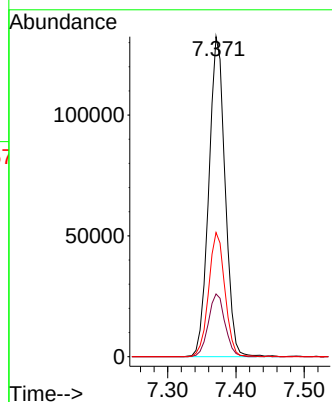
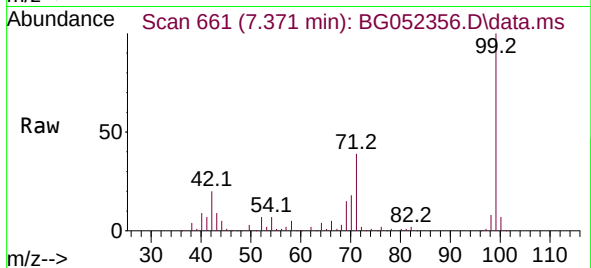




#7  
Phenol-d6  
Concen: 91.112 ng  
RT: 7.371 min Scan# 60  
Delta R.T. -0.001 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

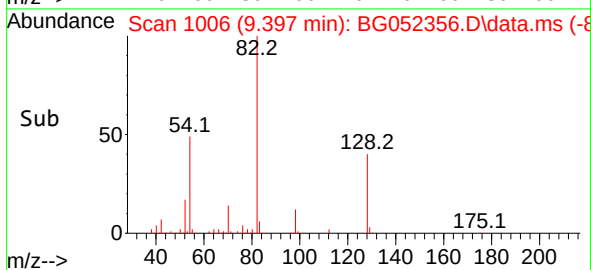
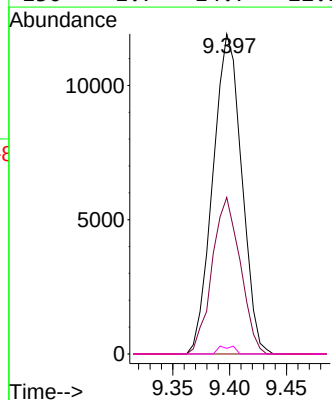
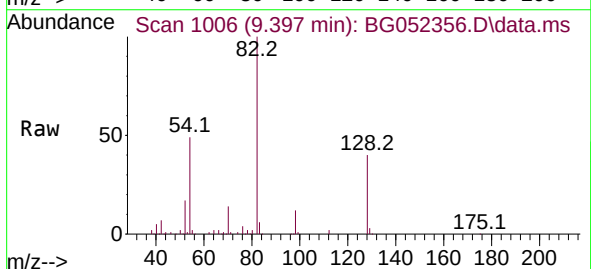
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

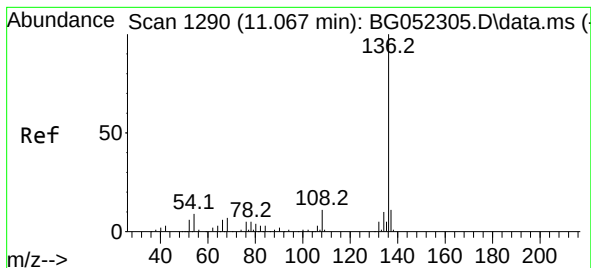
Tgt Ion: 99 Resp: 220100  
Ion Ratio Lower Upper  
99 100  
42 19.6 19.1 28.7  
71 38.8 33.4 50.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.524 ng  
RT: 9.397 min Scan# 1006  
Delta R.T. 0.369 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion: 70 Resp: 20987  
Ion Ratio Lower Upper  
70 100  
42 48.9 51.8 77.6#  
101 0.0 6.6 10.0#  
130 1.7 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.066 min Scan# 1103

Delta R.T. -0.001 min

Lab File: BG052356.D

Acq: 10 Feb 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

SP-6

Tgt Ion:136 Resp: 110330

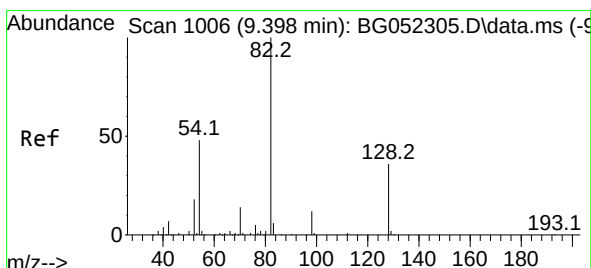
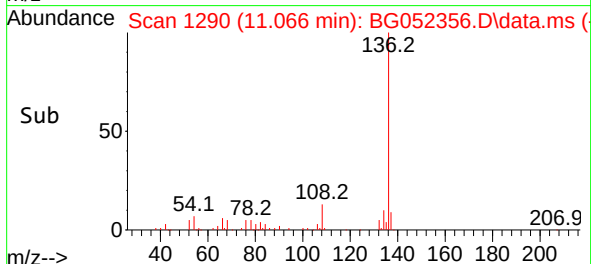
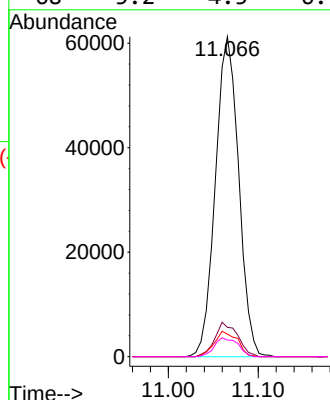
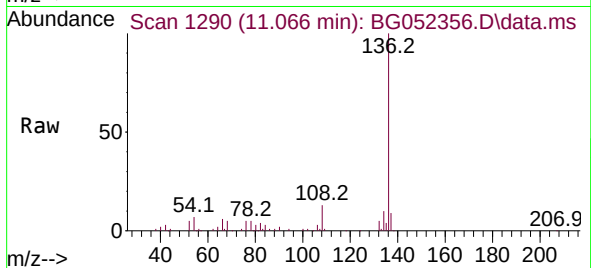
Ion Ratio Lower Upper

136 100

137 9.2 9.1 13.7

54 7.0 8.3 12.5#

68 5.2 4.5 6.7



#23

Nitrobenzene-d5

Concen: 61.022 ng

RT: 9.397 min Scan# 1006

Delta R.T. -0.001 min

Lab File: BG052356.D

Acq: 10 Feb 2022 16:22

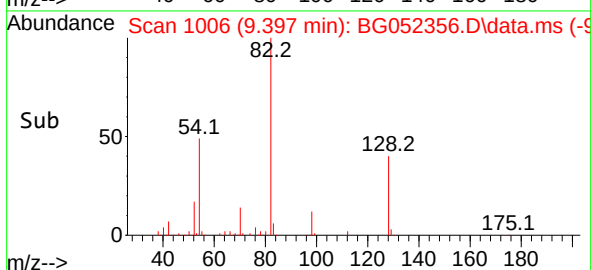
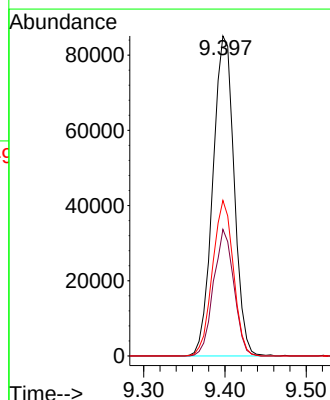
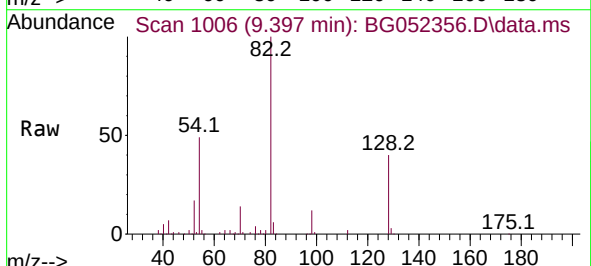
Tgt Ion: 82 Resp: 154909

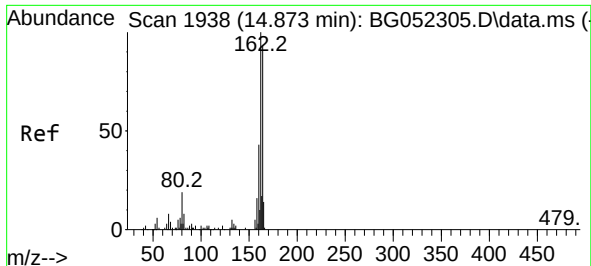
Ion Ratio Lower Upper

82 100

128 39.6 27.0 40.4

54 48.6 41.0 61.6

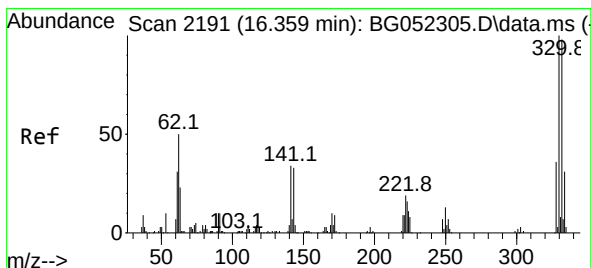
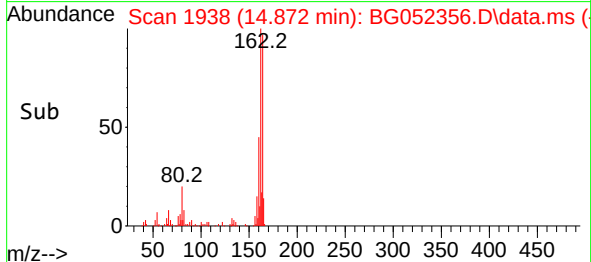
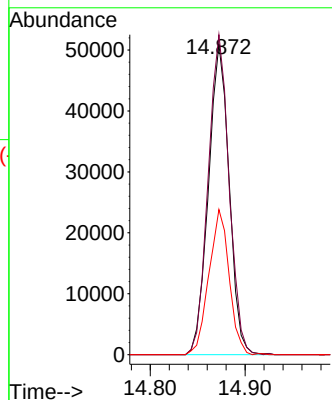
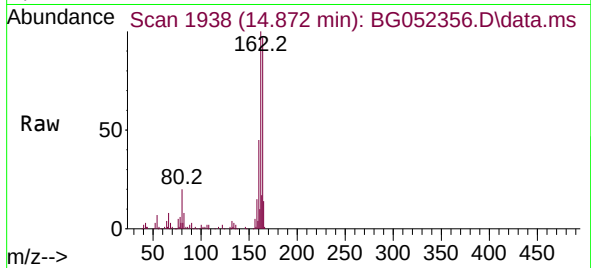




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.872 min Scan# 1938  
Delta R.T. -0.001 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

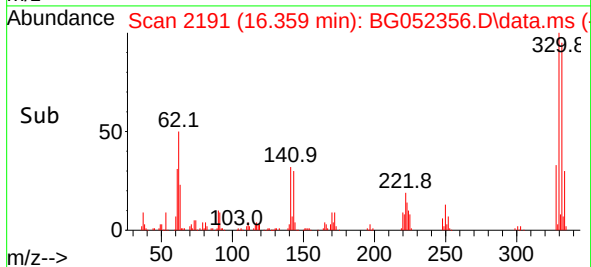
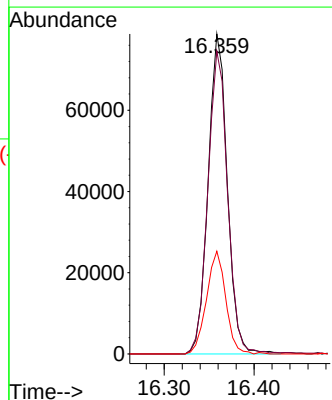
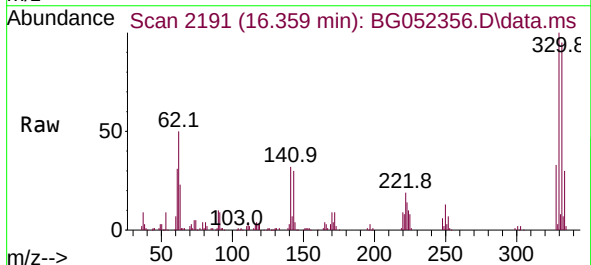
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

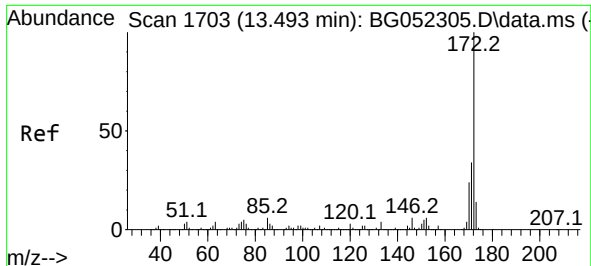
Tgt Ion:164 Resp: 77402  
Ion Ratio Lower Upper  
164 100  
162 103.0 82.2 123.2  
160 46.7 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 105.255 ng  
RT: 16.359 min Scan# 2191  
Delta R.T. -0.000 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion:330 Resp: 117044  
Ion Ratio Lower Upper  
330 100  
332 97.8 78.6 117.8  
141 32.2 28.8 43.2

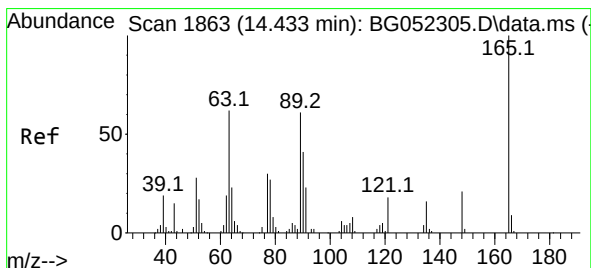
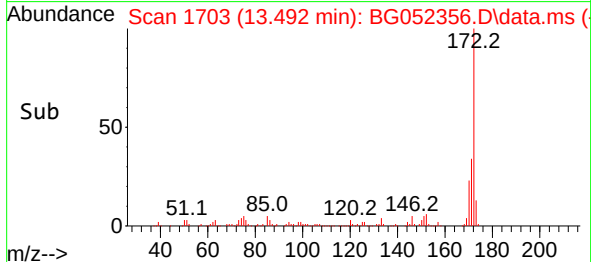
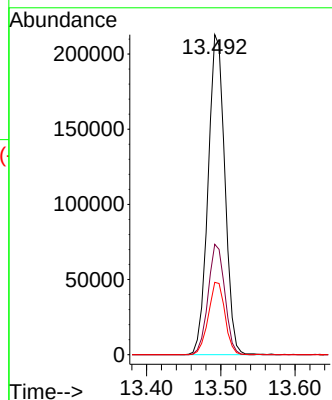
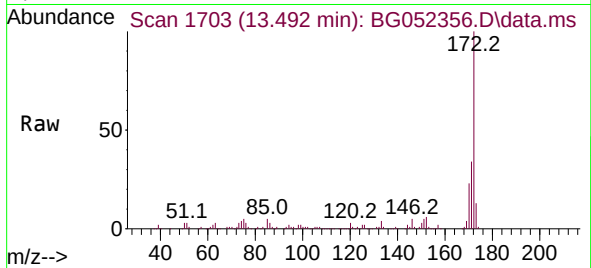




#45  
2-Fluorobiphenyl  
Concen: 59.902 ng  
RT: 13.492 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

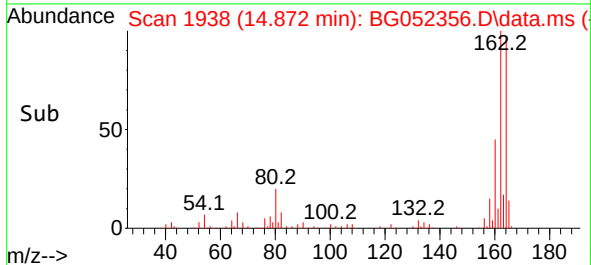
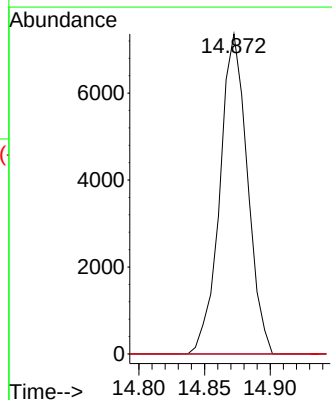
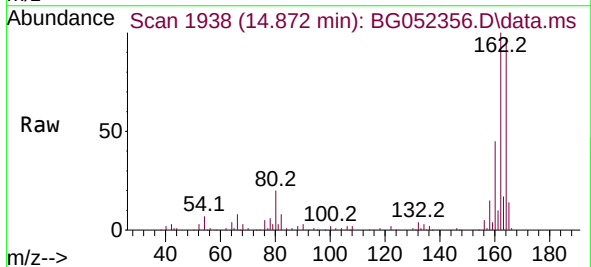
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

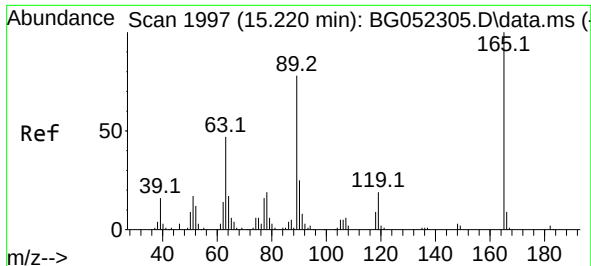
Tgt Ion:172 Resp: 333674  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.3 42.5  
170 22.6 18.3 27.5



#51  
2,6-Dinitrotoluene  
Concen: 8.413 ng  
RT: 14.872 min Scan# 1938  
Delta R.T. 0.440 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion:165 Resp: 10765  
Ion Ratio Lower Upper  
165 100  
63 0.0 59.0 88.4#  
89 0.0 49.4 74.0#





#57

2,4-Dinitrotoluene

Concen: 5.911 ng

RT: 14.872 min Scan# 1997

Delta R.T. -0.347 min

Lab File: BG052356.D

Acq: 10 Feb 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

SP-6

Tgt Ion:165 Resp: 10765

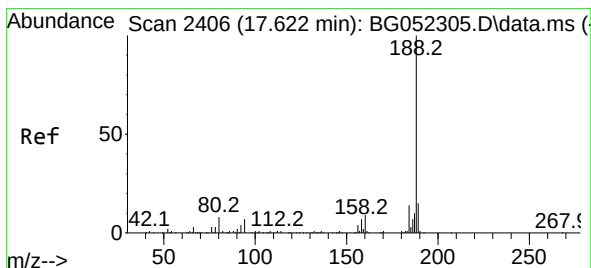
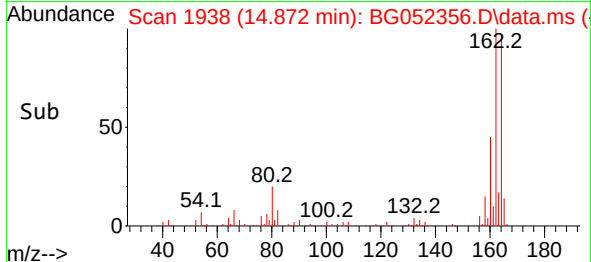
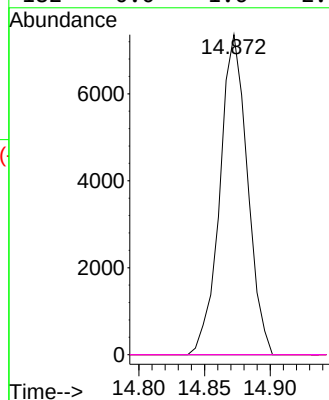
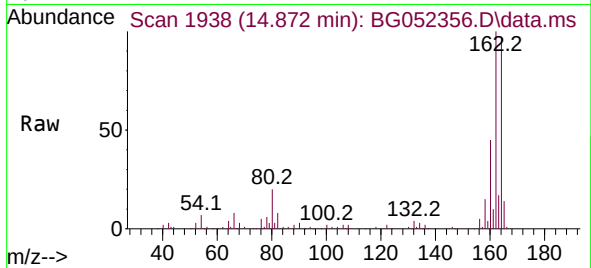
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 67.4 101.0#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.622 min Scan# 2406

Delta R.T. -0.001 min

Lab File: BG052356.D

Acq: 10 Feb 2022 16:22

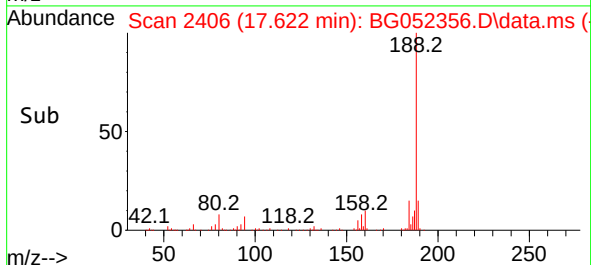
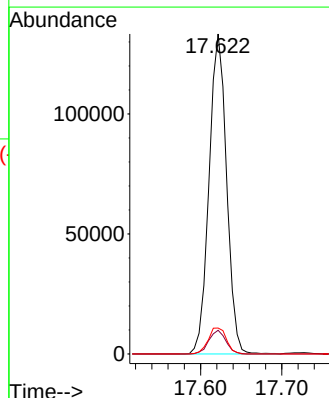
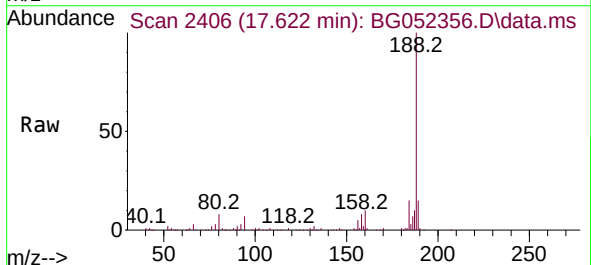
Tgt Ion:188 Resp: 200037

Ion Ratio Lower Upper

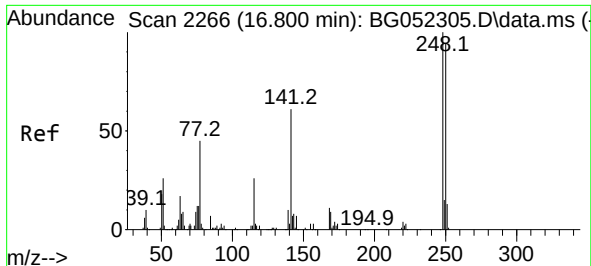
188 100

94 7.4 5.9 8.9

80 8.1 6.6 10.0



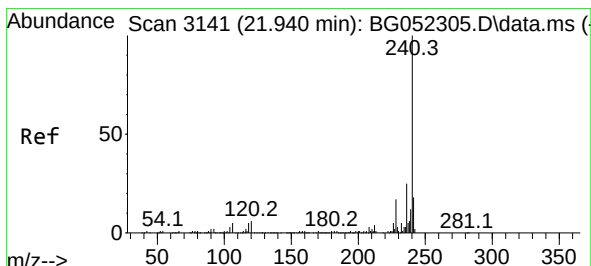
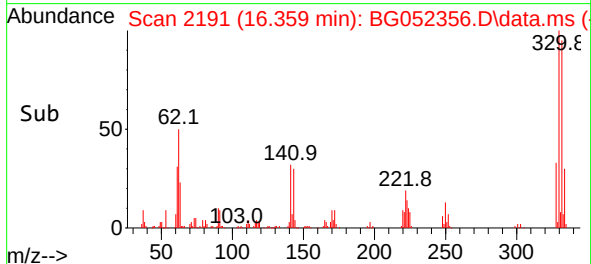
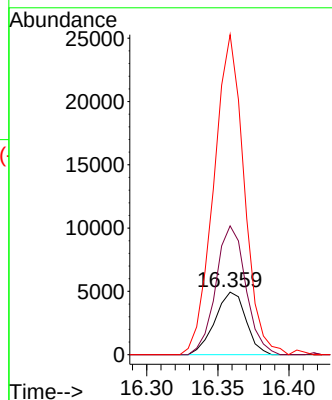
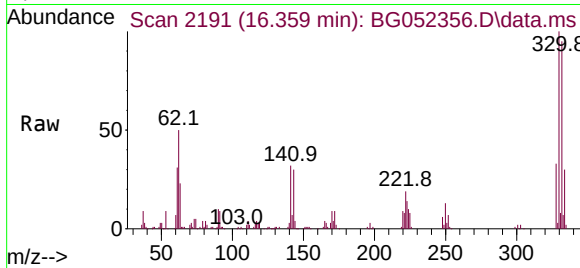




#67  
4-Bromophenyl-phenylether  
Concen: 3.083 ng  
RT: 16.359 min Scan# 2191  
Delta R.T. -0.441 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

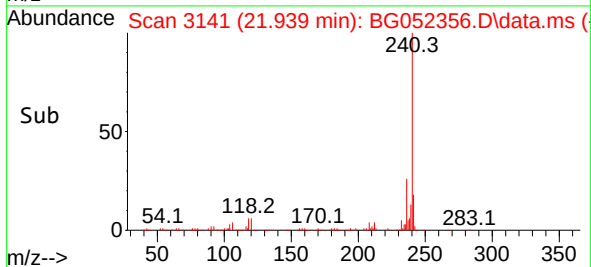
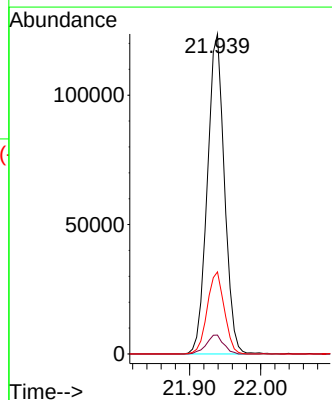
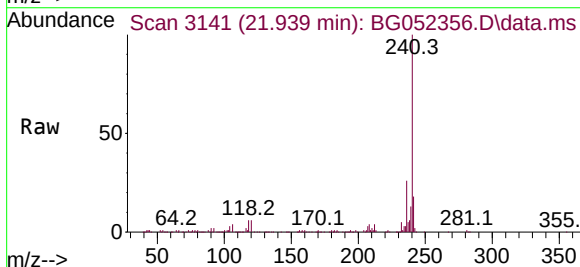
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

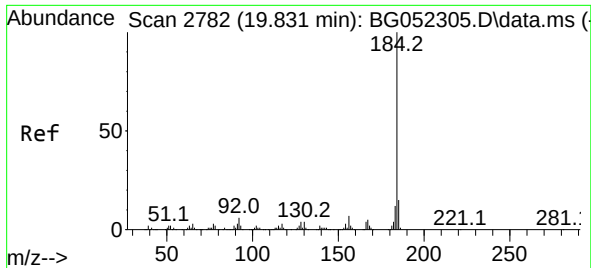
Tgt Ion:248 Resp: 7499  
Ion Ratio Lower Upper  
248 100  
250 206.0 79.6 119.4#  
141 511.4 54.6 81.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.939 min Scan# 3141  
Delta R.T. -0.001 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion:240 Resp: 206455  
Ion Ratio Lower Upper  
240 100  
120 5.9 4.4 6.6  
236 25.7 20.8 31.2

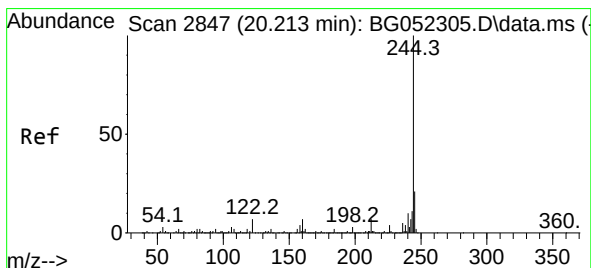
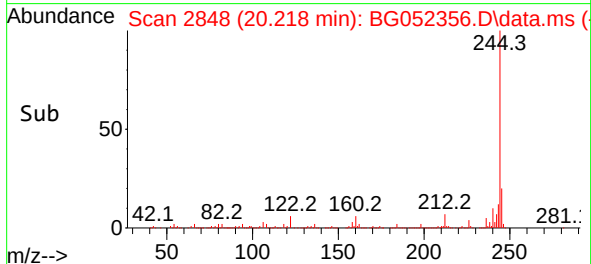
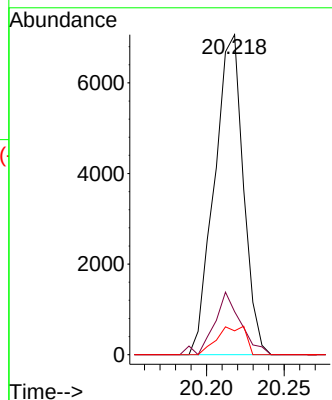
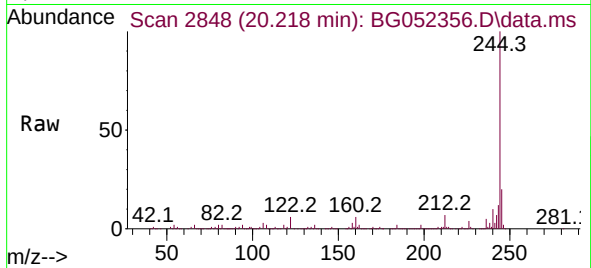




#77  
Benzidine  
Concen: 2.073 ng  
RT: 20.218 min Scan# 21  
Delta R.T. 0.387 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

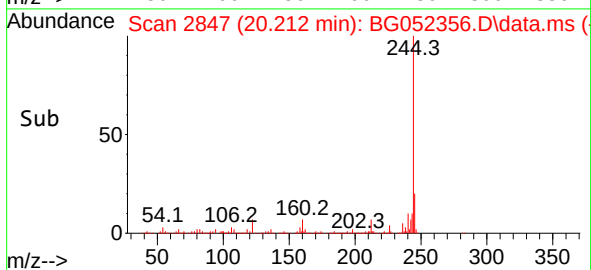
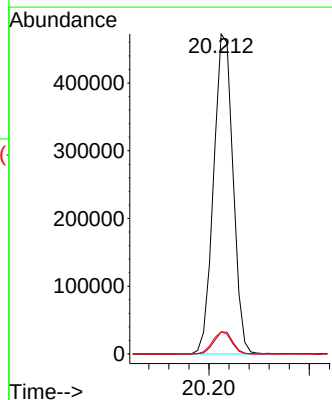
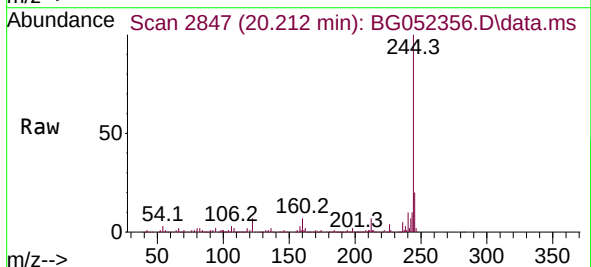
Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

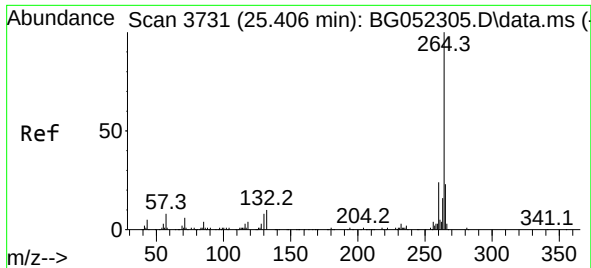
Tgt Ion:184 Resp: 9144  
Ion Ratio Lower Upper  
184 100  
185 13.4 11.8 17.8  
183 7.5 9.8 14.6#



#79  
Terphenyl-d14  
Concen: 54.257 ng  
RT: 20.212 min Scan# 2847  
Delta R.T. -0.001 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Tgt Ion:244 Resp: 634337  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 6.9 6.2 9.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.411 min Scan# 31  
Delta R.T. 0.005 min  
Lab File: BG052356.D  
Acq: 10 Feb 2022 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
SP-6

Tgt Ion:264 Resp: 210666  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 18.5  | 27.7  |
| 265 | 21.4  | 17.8  | 26.6  |

