

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120522\  
 Data File : BG055890.D  
 Acq On : 5 Dec 2022 18:30  
 Operator : CG/JU  
 Sample : N5870-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ML-3

Quant Time: Dec 06 04:48:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 06 04:41:17 2022  
 Response via : Initial Calibration

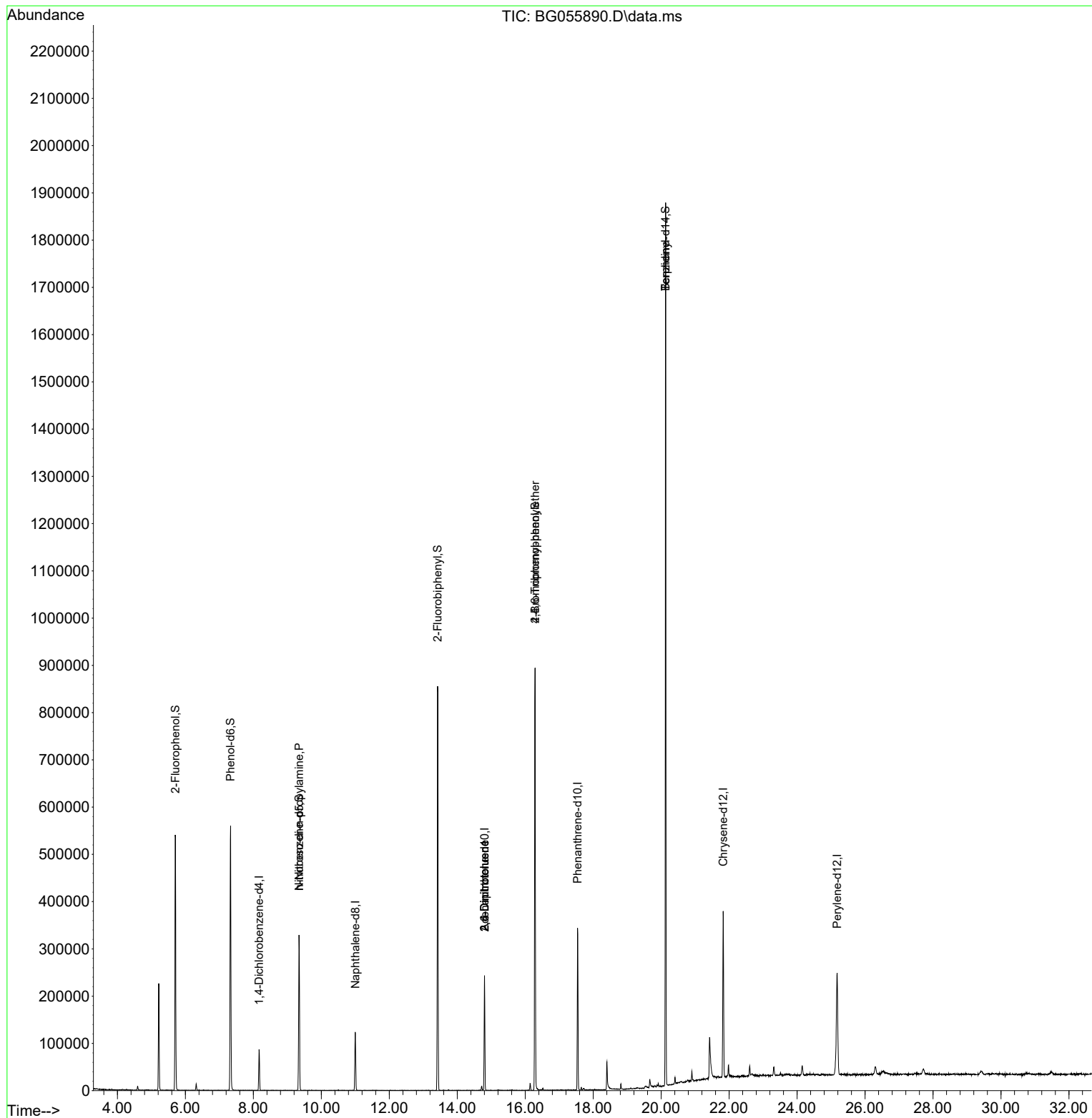
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.170  | 152  | 24184    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.002 | 136  | 105523   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.804 | 164  | 85026    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.542 | 188  | 226206   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.825 | 240  | 223126   | 20.000  | ng     | -0.01    |
| 86) Perylene-d12              | 25.180 | 264  | 233592   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.708  | 112  | 224466   | 167.766 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.330  | 99   | 300636   | 168.797 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.345  | 82   | 187392   | 93.862  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.290 | 330  | 181130   | 151.285 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.423 | 172  | 460046   | 81.058  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.133 | 244  | 906314   | 81.243  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.345  | 70   | 25117    | 18.354  | ng     | # 81     |
| 51) 2,6-Dinitrotoluene        | 14.804 | 165  | 11199    | 8.081   | ng     | # 24     |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 11199    | 5.731   | ng     | # 22     |
| 67) 4-Bromophenyl-phenylether | 16.290 | 248  | 11719    | 4.547   | ng     | # 1      |
| 77) Benzidine                 | 20.133 | 184  | 13955    | 2.703   | ng     | # 89     |
| -----                         |        |      |          |         |        |          |

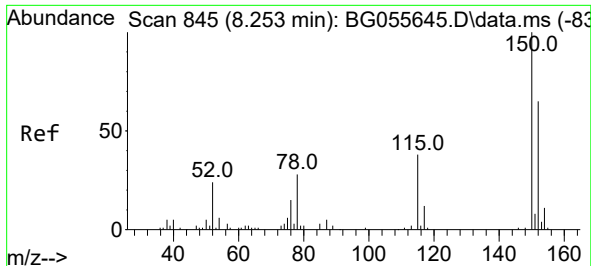
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 06 04:41:17 2022  
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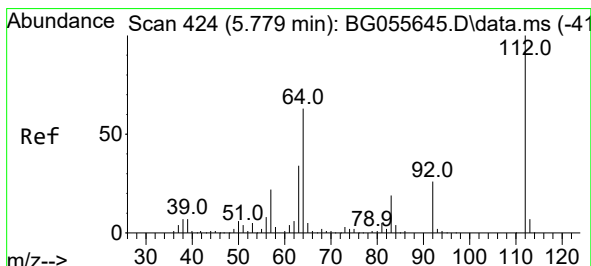
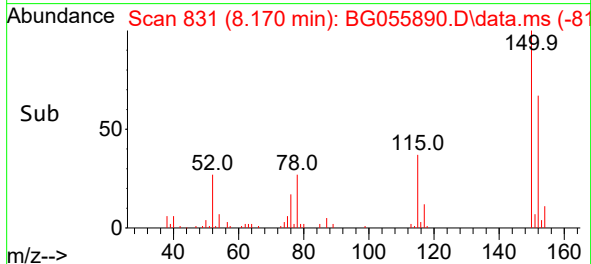
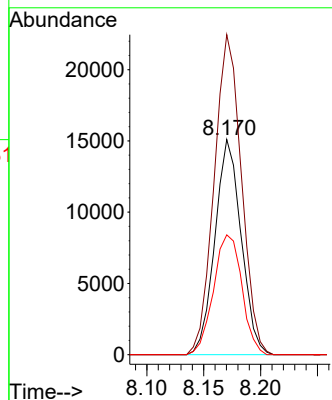
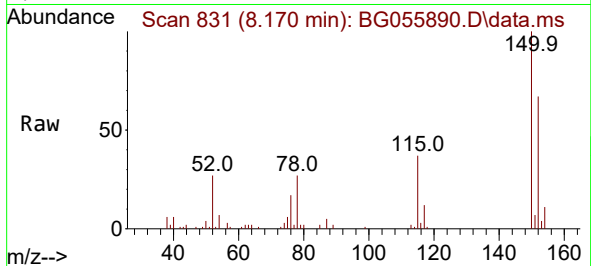




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.170 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

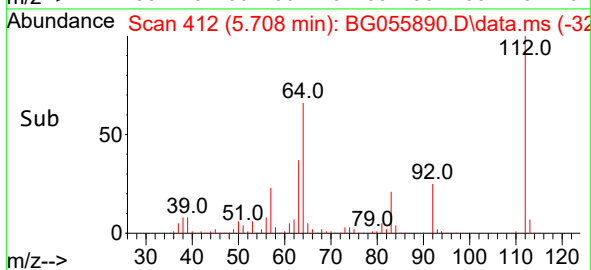
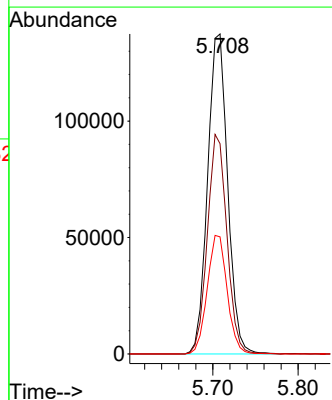
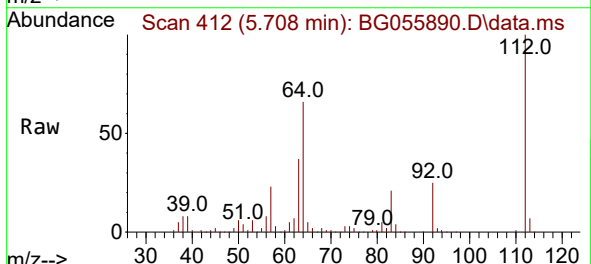
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BNA\_G  
ClientSampleId :  
ML-3

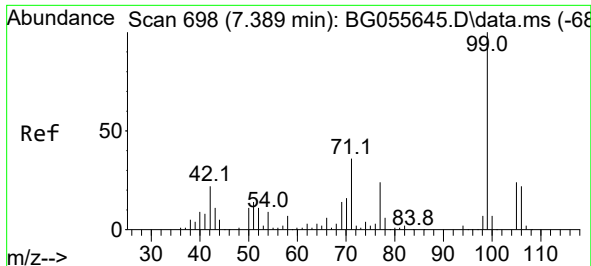
Tgt Ion:152 Resp: 24184  
Ion Ratio Lower Upper  
152 100  
150 148.7 123.0 184.6  
115 55.7 47.0 70.4



#5  
2-Fluorophenol  
Concen: 167.766 ng  
RT: 5.708 min Scan# 412  
Delta R.T. 0.006 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Tgt Ion:112 Resp: 224466  
Ion Ratio Lower Upper  
112 100  
64 65.7 50.6 76.0  
63 36.6 27.5 41.3

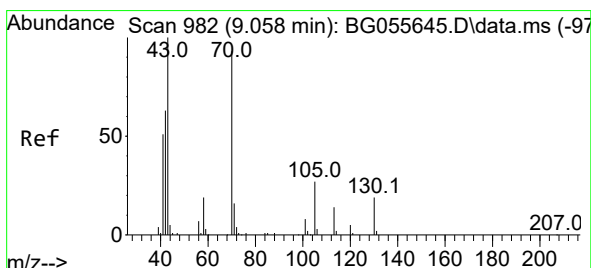
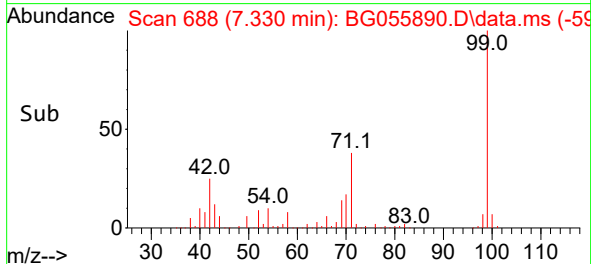
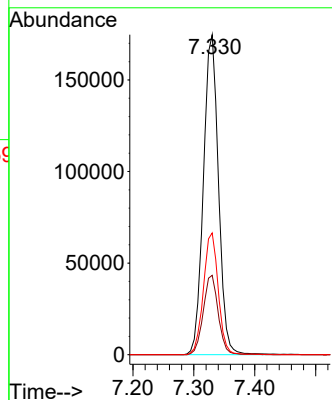
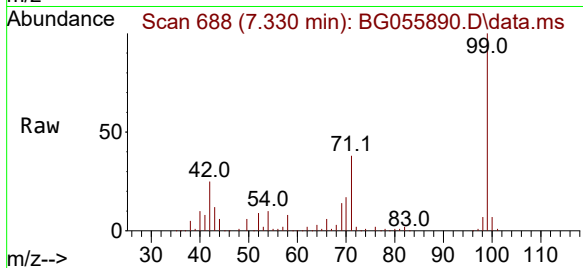




#7  
Phenol-d6  
Concen: 168.797 ng  
RT: 7.330 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

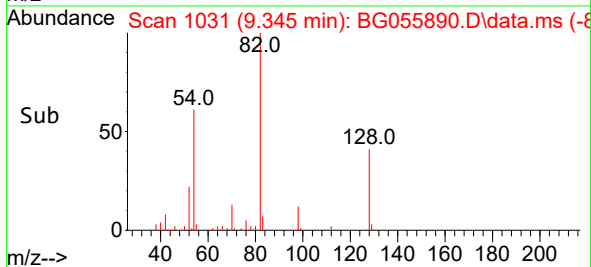
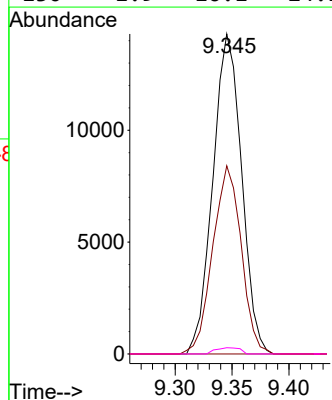
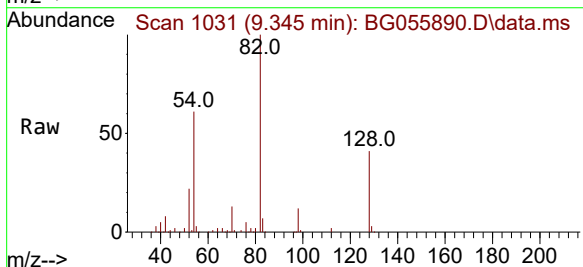
Instrument :  
BNA\_G  
ClientSampleId :  
ML-3

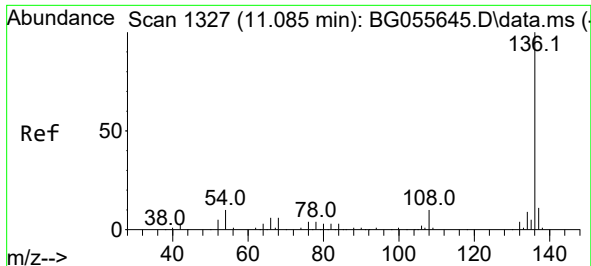
Tgt Ion: 99 Resp: 300636  
Ion Ratio Lower Upper  
99 100  
42 24.8 18.0 27.0  
71 38.0 29.0 43.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.354 ng  
RT: 9.345 min Scan# 1031  
Delta R.T. 0.365 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Tgt Ion: 70 Resp: 25117  
Ion Ratio Lower Upper  
70 100  
42 58.8 55.2 82.8  
101 0.0 7.1 10.7#  
130 1.9 16.1 24.1#



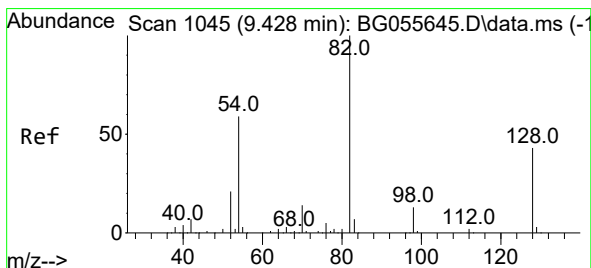
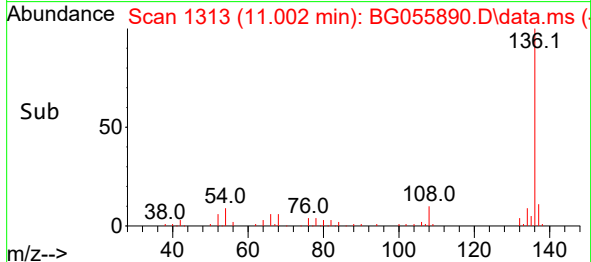
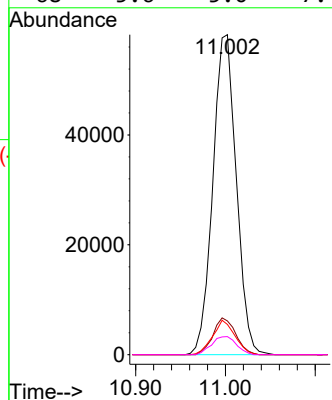
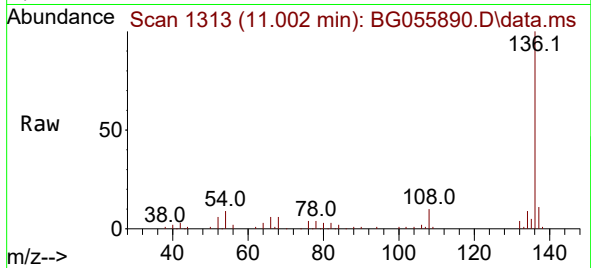


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.002 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Instrument :  
BNA\_G  
ClientSampleId :  
ML-3

Tgt Ion:136 Resp: 105523

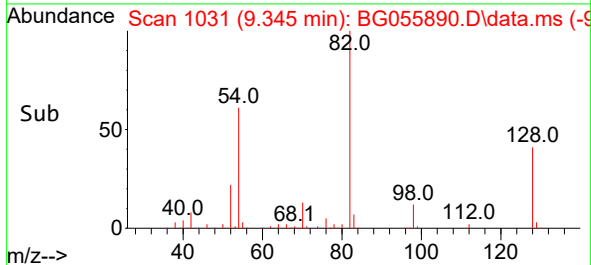
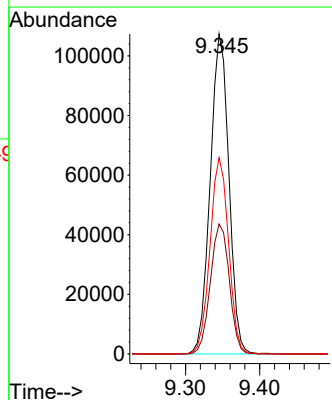
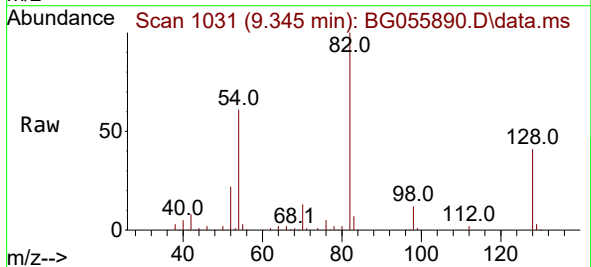
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 9.0   | 13.6  |
| 54  | 9.4   | 7.8   | 11.6  |
| 68  | 5.6   | 5.0   | 7.4   |

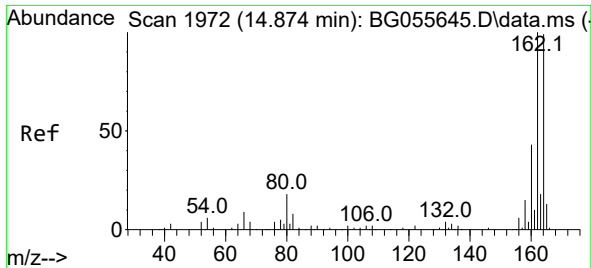


#23  
Nitrobenzene-d5  
Concen: 93.862 ng  
RT: 9.345 min Scan# 1031  
Delta R.T. -0.005 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Tgt Ion: 82 Resp: 187392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.7  | 34.1  | 51.1  |
| 54  | 61.4  | 47.3  | 70.9  |

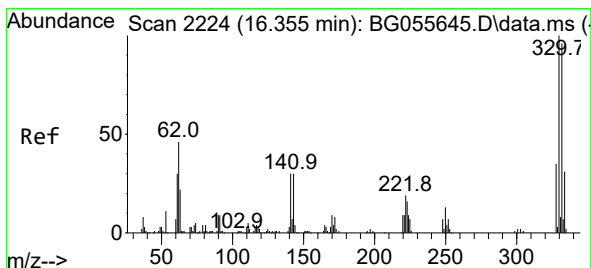
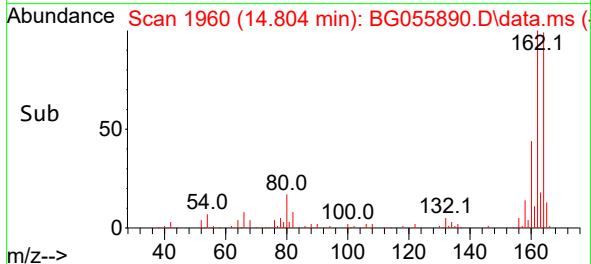
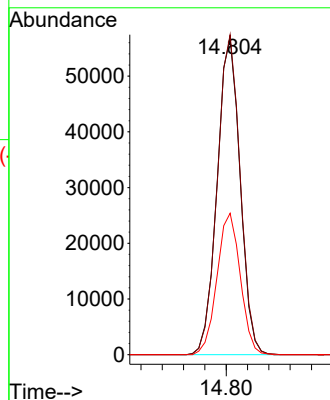
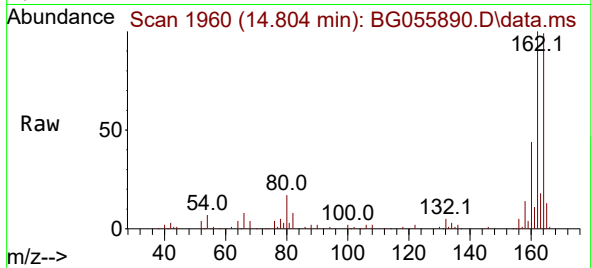




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.804 min Scan# 1972  
 Delta R.T. -0.005 min  
 Lab File: BG055890.D  
 Acq: 5 Dec 2022 18:30

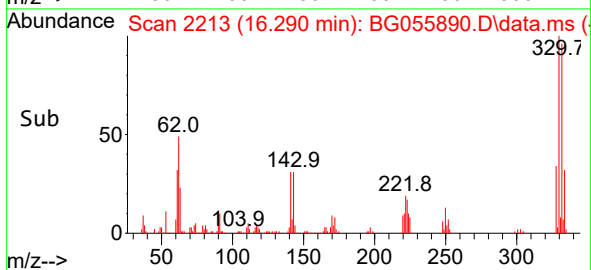
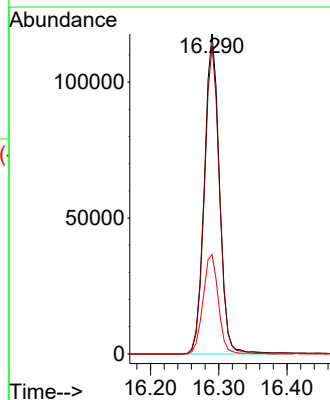
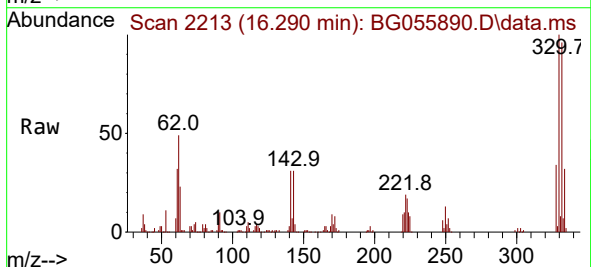
Instrument :  
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 ML-3

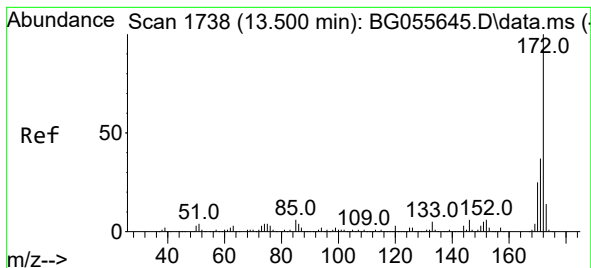
Tgt Ion:164 Resp: 85026  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 81.1 121.7  
 160 44.7 34.8 52.2



#42  
 2,4,6-Tribromophenol  
 Concen: 151.285 ng  
 RT: 16.290 min Scan# 2213  
 Delta R.T. -0.005 min  
 Lab File: BG055890.D  
 Acq: 5 Dec 2022 18:30

Tgt Ion:330 Resp: 181130  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.8 116.8  
 141 31.3 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 81.058 ng

RT: 13.423 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG055890.D

Acq: 5 Dec 2022 18:30

Instrument :

BNA\_G

ClientSampleId :

ML-3

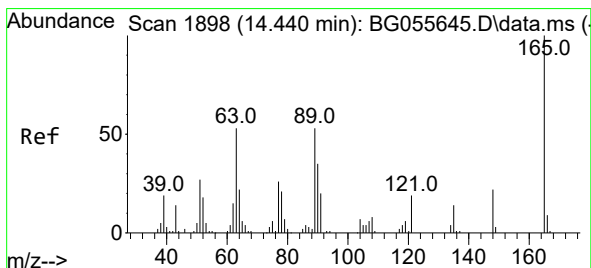
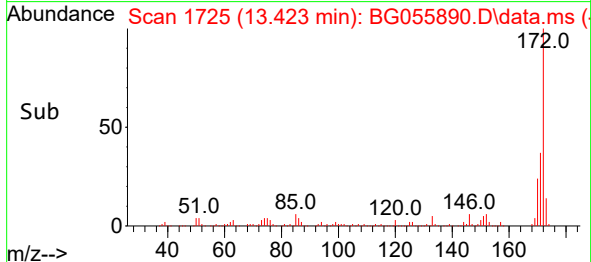
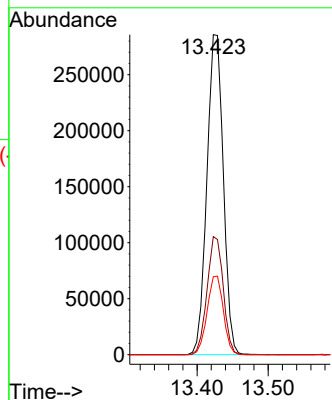
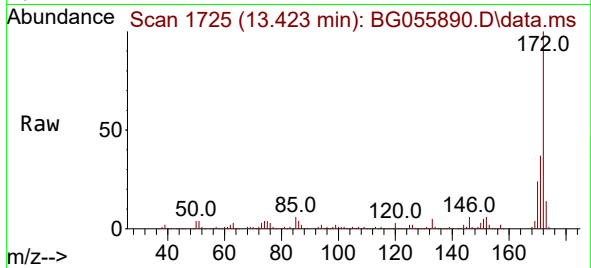
Tgt Ion:172 Resp: 460046

Ion Ratio Lower Upper

172 100

171 36.9 29.8 44.6

170 24.3 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.081 ng

RT: 14.804 min Scan# 1960

Delta R.T. 0.424 min

Lab File: BG055890.D

Acq: 5 Dec 2022 18:30

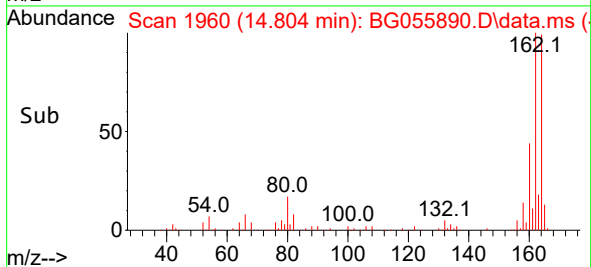
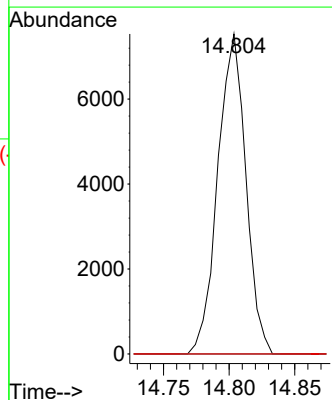
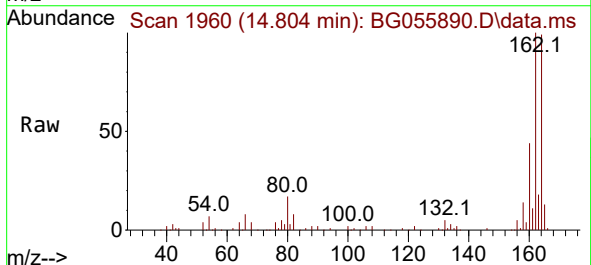
Tgt Ion:165 Resp: 11199

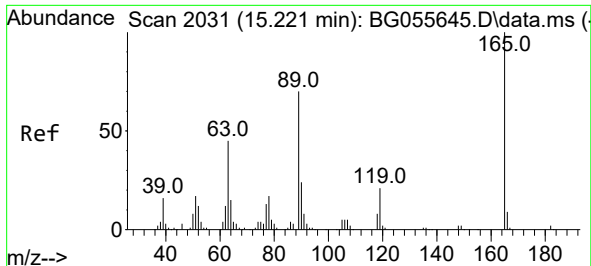
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.731 ng

RT: 14.804 min Scan# 14

Delta R.T. -0.364 min

Lab File: BG055890.D

Acq: 5 Dec 2022 18:30

Instrument :

BNA\_G

ClientSampleId :

ML-3

Tgt Ion:165 Resp: 11199

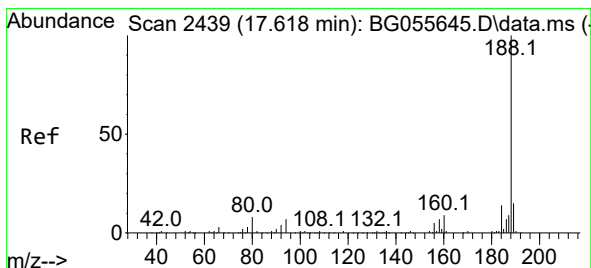
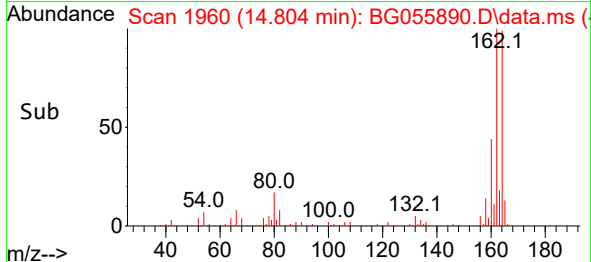
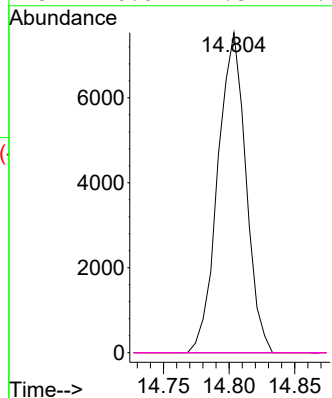
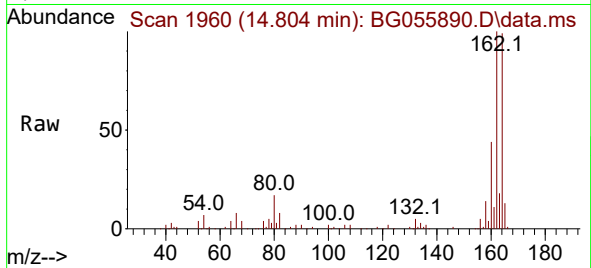
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.542 min Scan# 2426

Delta R.T. -0.005 min

Lab File: BG055890.D

Acq: 5 Dec 2022 18:30

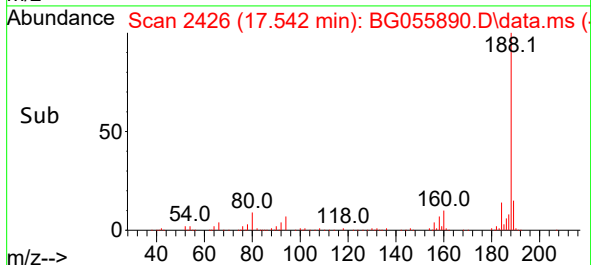
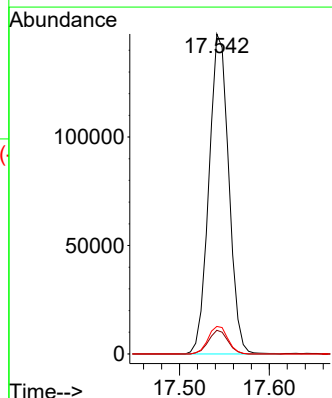
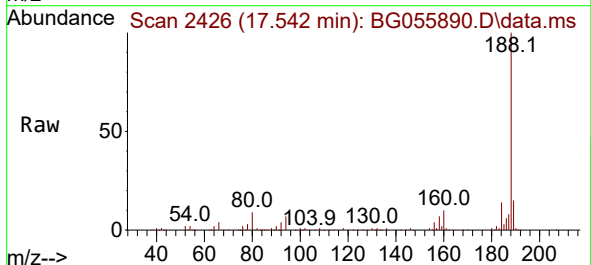
Tgt Ion:188 Resp: 226206

Ion Ratio Lower Upper

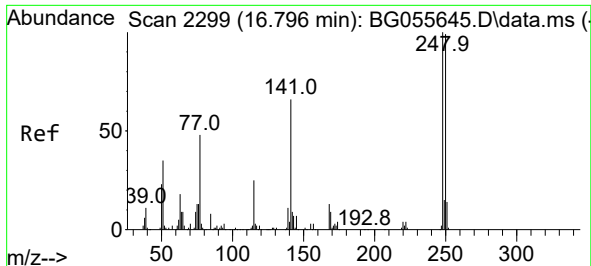
188 100

94 7.4 5.4 8.2

80 8.6 6.6 10.0



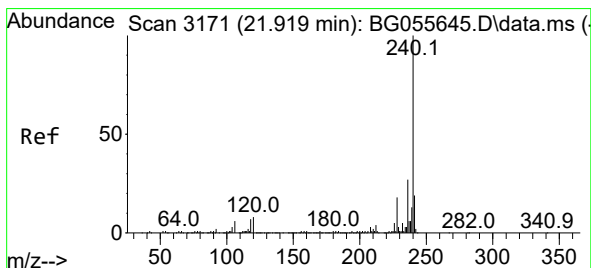
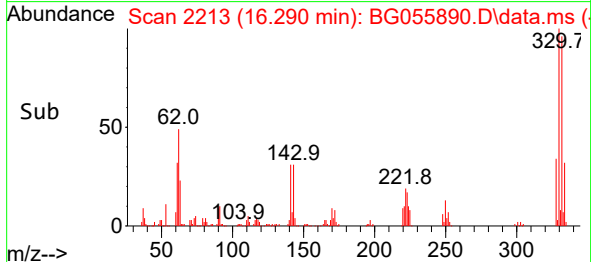
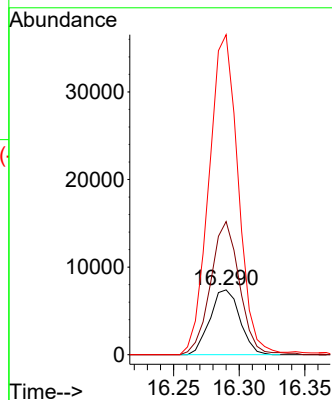
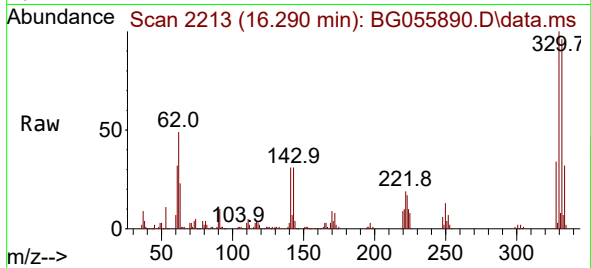




#67  
4-Bromophenyl-phenylether  
Concen: 4.547 ng  
RT: 16.290 min Scan# 211  
Delta R.T. -0.440 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

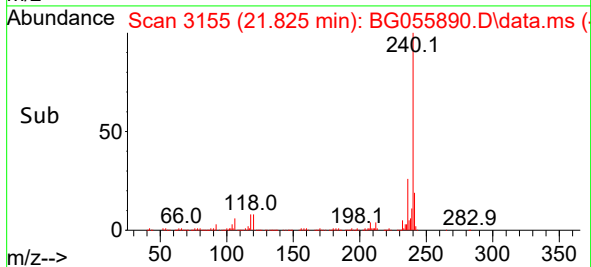
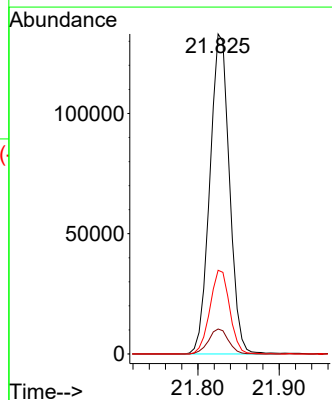
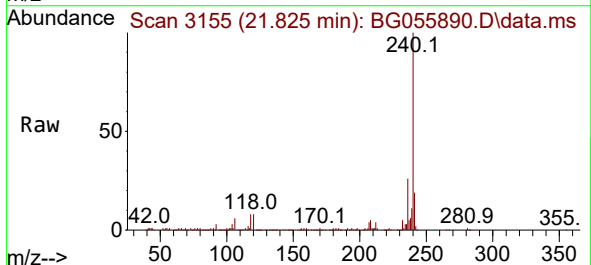
Instrument :  
BNA\_G  
ClientSampleId :  
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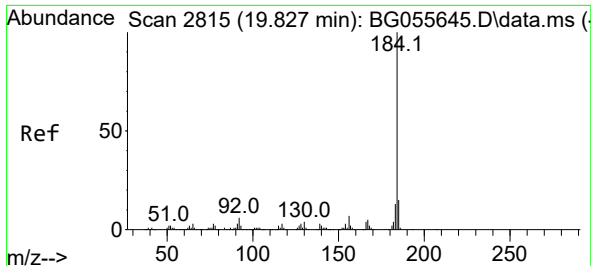
Tgt Ion:248 Resp: 11719  
Ion Ratio Lower Upper  
248 100  
250 205.7 79.0 118.4#  
141 494.2 52.9 79.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.825 min Scan# 3155  
Delta R.T. -0.011 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Tgt Ion:240 Resp: 223126  
Ion Ratio Lower Upper  
240 100  
120 7.8 6.3 9.5  
236 26.2 21.9 32.9

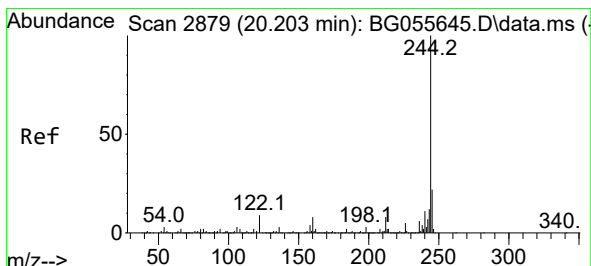
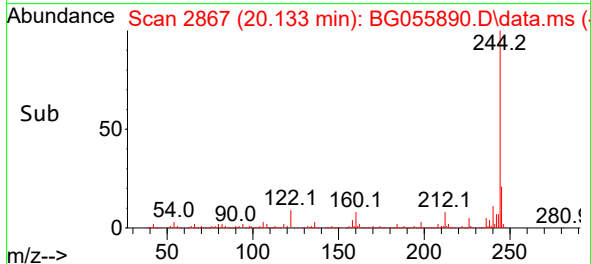
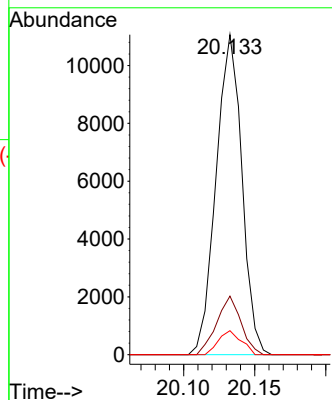
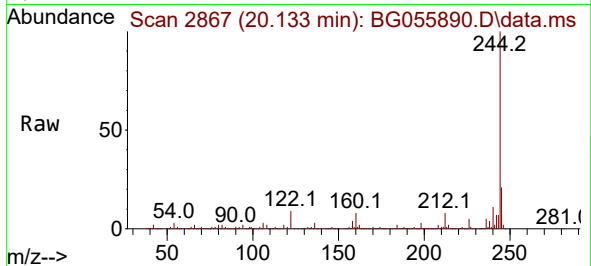




#77  
Benzidine  
Concen: 2.703 ng  
RT: 20.133 min Scan# 2867  
Delta R.T. 0.371 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

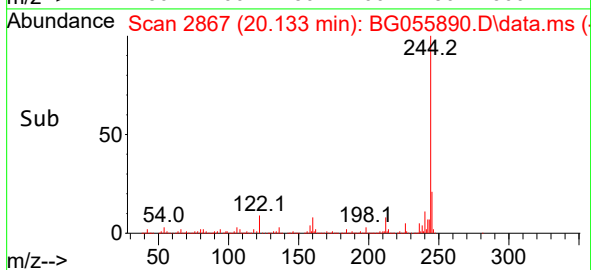
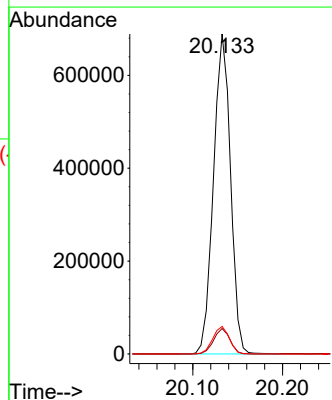
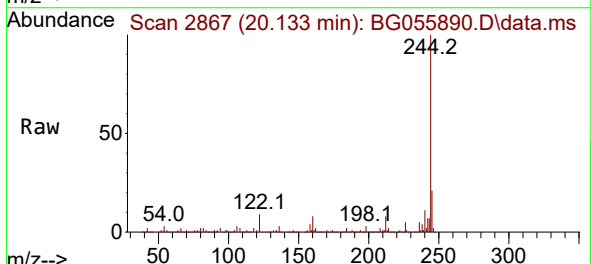
Instrument :  
BNA\_G  
ClientSampleId :  
ML-3

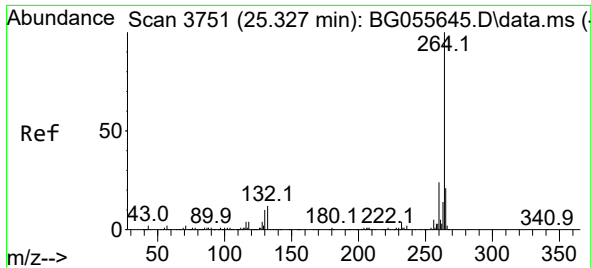
Tgt Ion:184 Resp: 13955  
Ion Ratio Lower Upper  
184 100  
185 18.3 11.8 17.8#  
183 7.5 10.6 15.8#



#79  
Terphenyl-d14  
Concen: 81.243 ng  
RT: 20.133 min Scan# 2867  
Delta R.T. -0.005 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

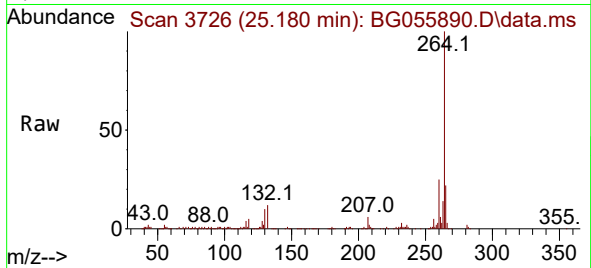
Tgt Ion:244 Resp: 906314  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.3 9.5  
122 8.6 6.9 10.3





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.180 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: BG055890.D  
Acq: 5 Dec 2022 18:30

Instrument :  
BNA\_G  
ClientSampleId :  
ML-3



Tgt Ion:264 Resp: 233592  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.5 29.3  
265 22.0 17.1 25.7

