

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112221\  
 Data File : BG051166.D  
 Acq On : 22 Nov 2021 10:47  
 Operator : CG/JU  
 Sample : PB140911TB  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB140911TB

Quant Time: Nov 22 17:16:21 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 19 16:26:22 2021  
 Response via : Initial Calibration

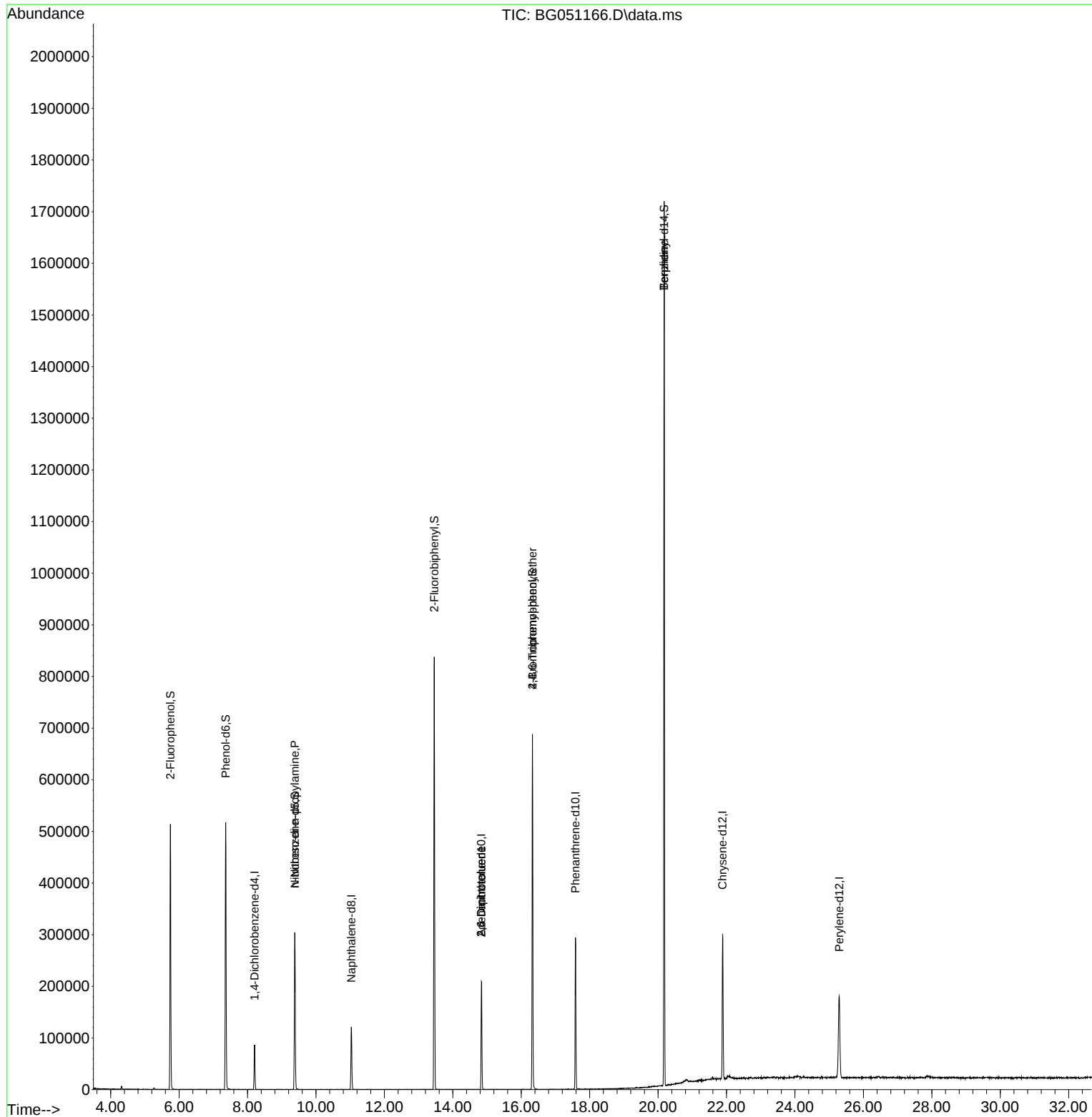
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.207  | 152  | 24742    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.034 | 136  | 108719   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.835 | 164  | 78323    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.585 | 188  | 186678   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.886 | 240  | 181043   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.293 | 264  | 176622   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.746  | 112  | 224544   | 140.292 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.361  | 99   | 300331   | 133.226 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.383  | 82   | 202174   | 84.888  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.327 | 330  | 111788   | 134.284 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.460 | 172  | 440513   | 84.869  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.176 | 244  | 838716   | 84.690  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.383  | 70   | 28310    | 17.013  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 14.835 | 165  | 10347    | 8.210   | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.835 | 165  | 10347    | 5.731   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248  | 8407     | 4.164   | ng    | # 1      |
| 77) Benzidine                 | 20.176 | 184  | 14005    | 4.711   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

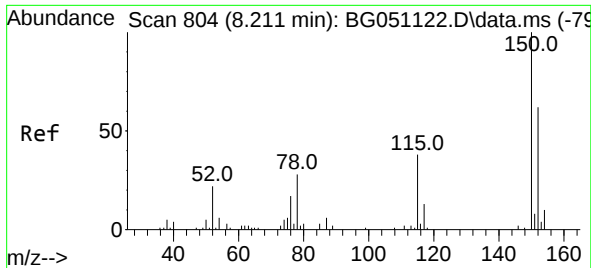
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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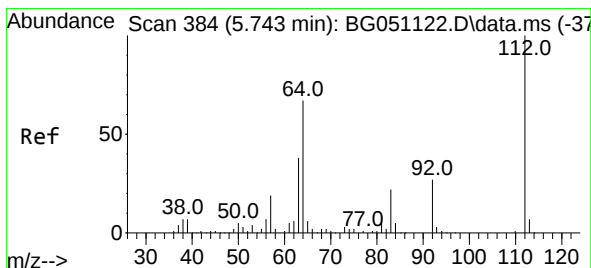
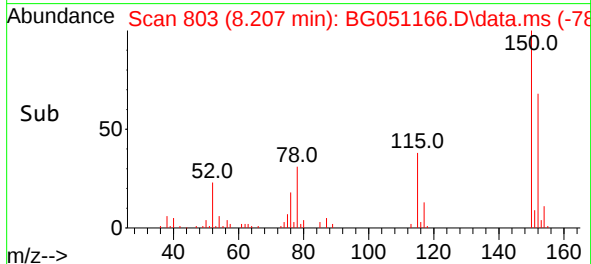
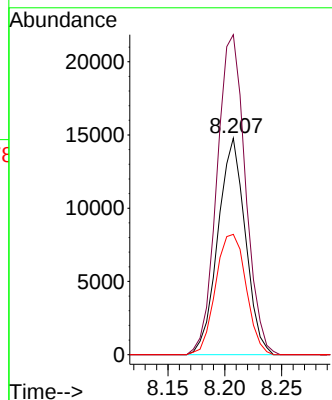
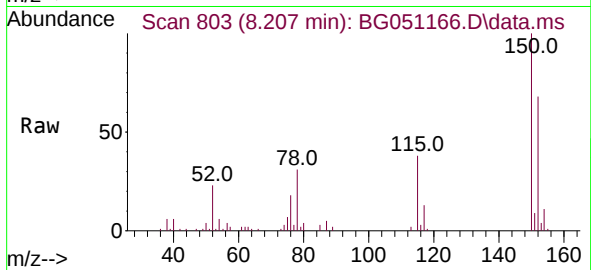




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.207 min Scan# 804  
Delta R.T. -0.004 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

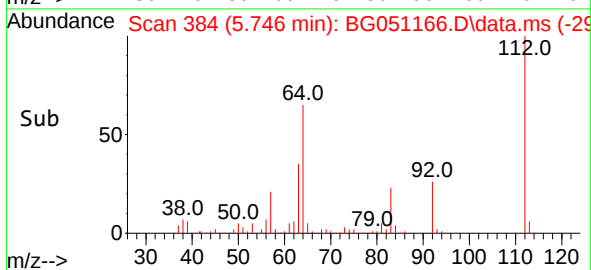
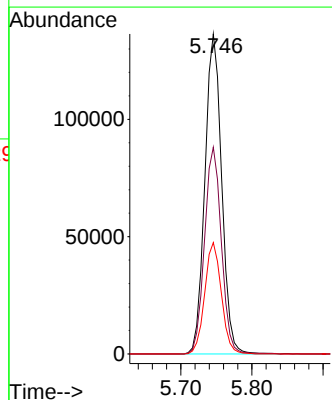
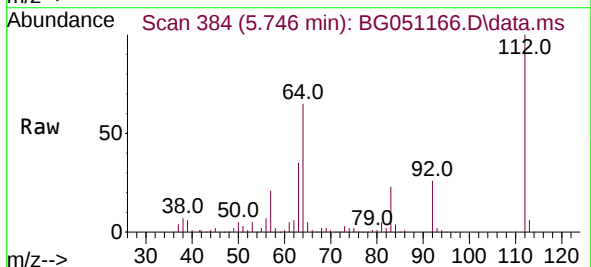
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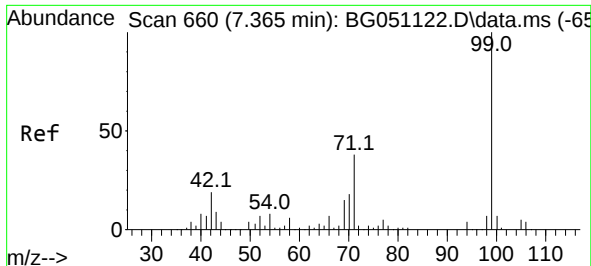
Tgt Ion:152 Resp: 24742  
Ion Ratio Lower Upper  
152 100  
150 147.8 119.4 179.0  
115 55.6 60.2 90.4#



#5  
2-Fluorophenol  
Concen: 140.292 ng  
RT: 5.746 min Scan# 384  
Delta R.T. 0.002 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion:112 Resp: 224544  
Ion Ratio Lower Upper  
112 100  
64 64.6 46.7 70.1  
63 34.8 35.3 52.9#

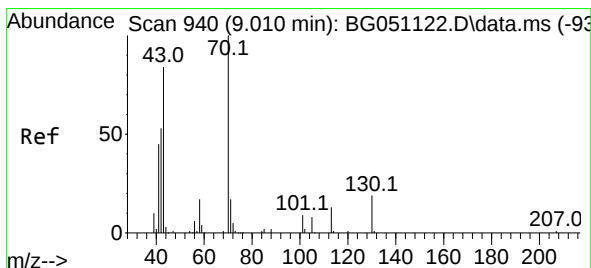
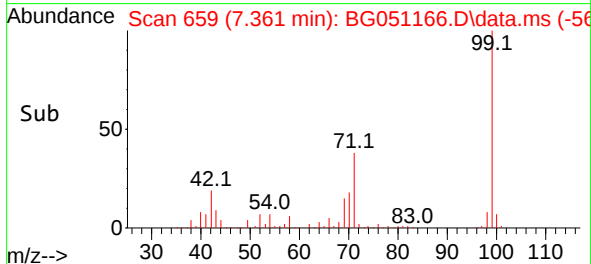
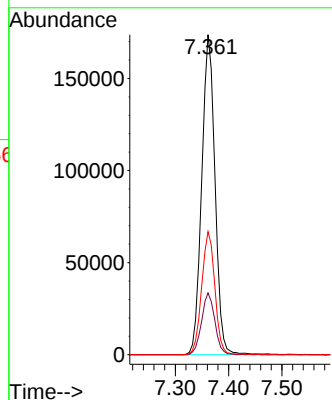
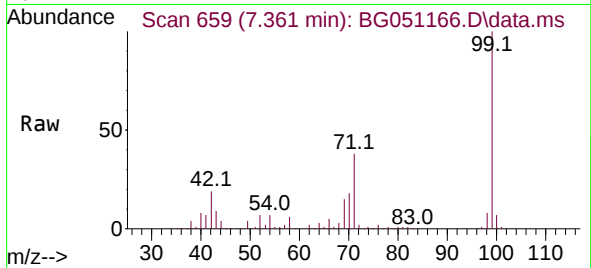




#7  
Phenol-d6  
Concen: 133.226 ng  
RT: 7.361 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

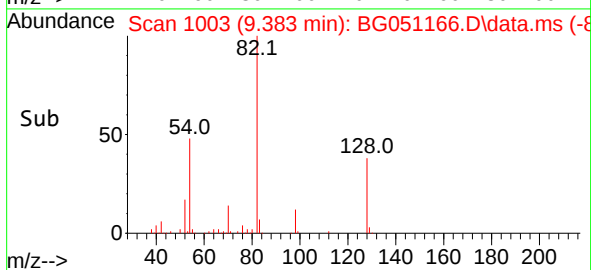
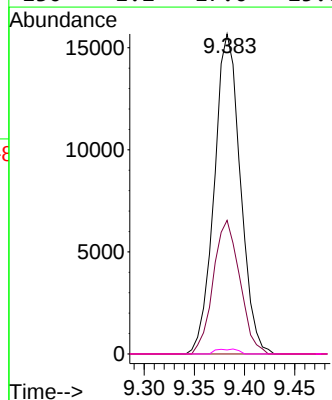
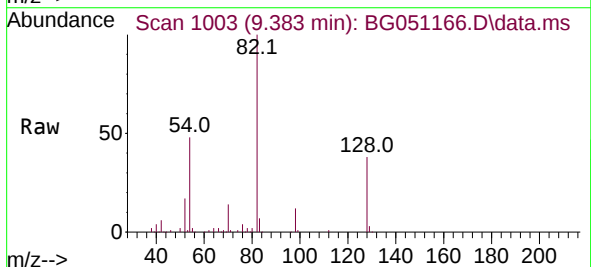
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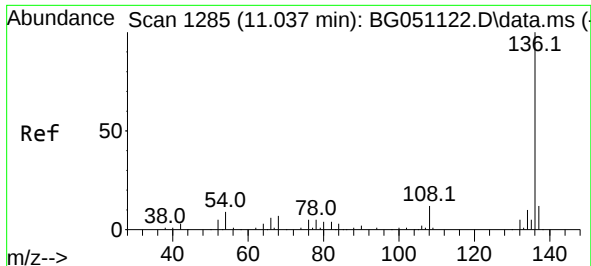
Tgt Ion: 99 Resp: 300331  
Ion Ratio Lower Upper  
99 100  
42 19.3 20.5 30.7#  
71 38.5 41.5 62.3#



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.013 ng  
RT: 9.383 min Scan# 1003  
Delta R.T. 0.373 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion: 70 Resp: 28310  
Ion Ratio Lower Upper  
70 100  
42 41.7 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.2 17.0 25.6#

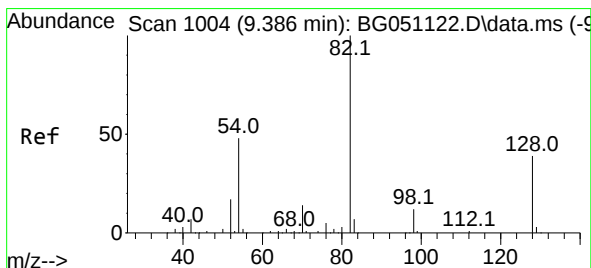
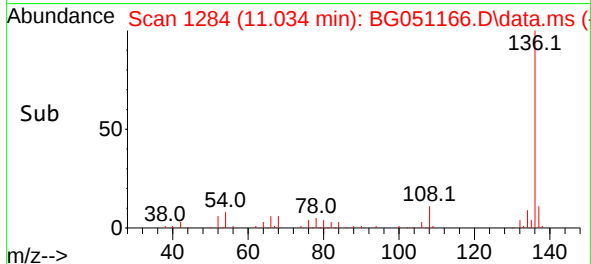
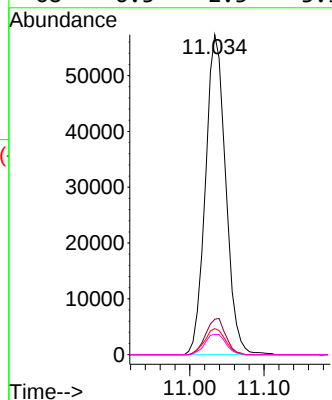
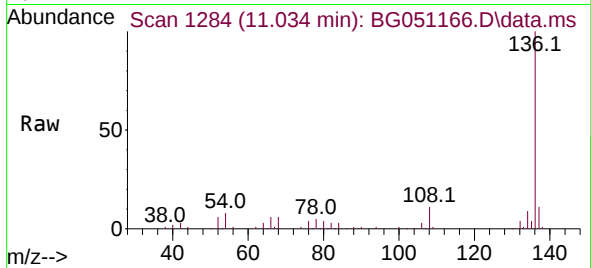




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.034 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

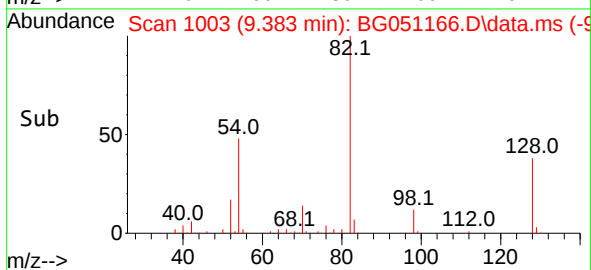
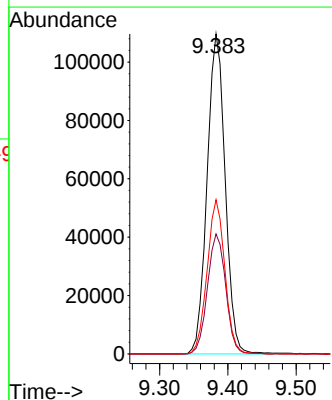
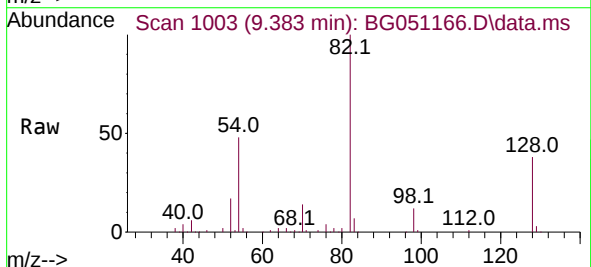
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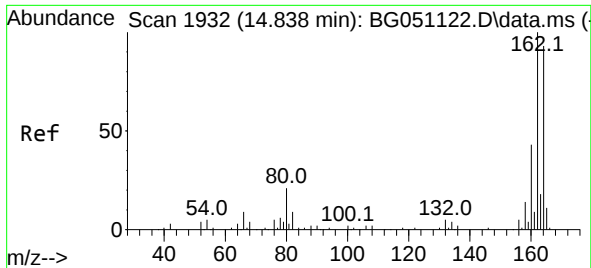
Tgt Ion:136 Resp: 108719  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.2 12.2  
54 8.1 5.5 8.3  
68 6.3 2.3 3.5#



#23  
Nitrobenzene-d5  
Concen: 84.888 ng  
RT: 9.383 min Scan# 1003  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion: 82 Resp: 202174  
Ion Ratio Lower Upper  
82 100  
128 37.5 29.8 44.6  
54 48.2 45.8 68.8

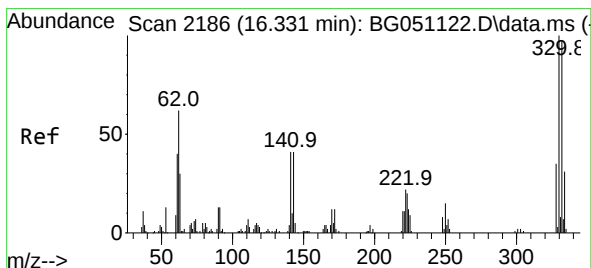
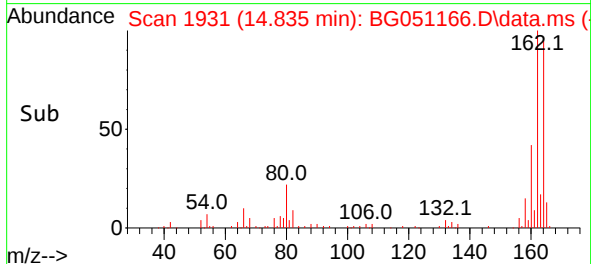
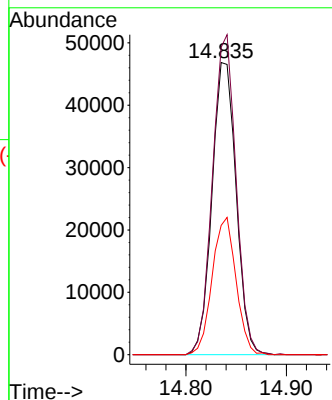
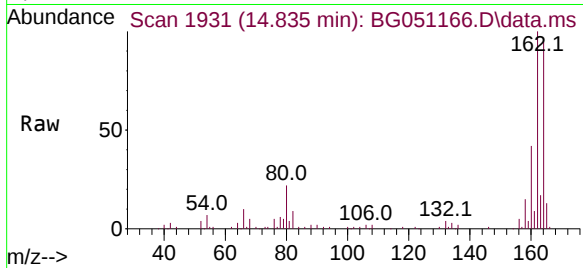




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.835 min Scan# 1931  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

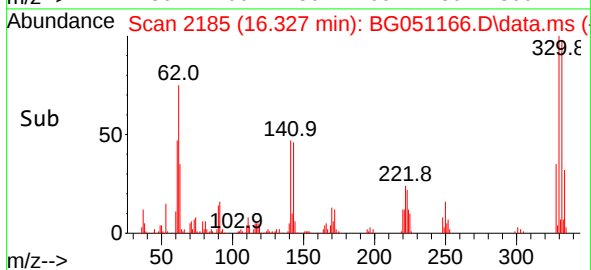
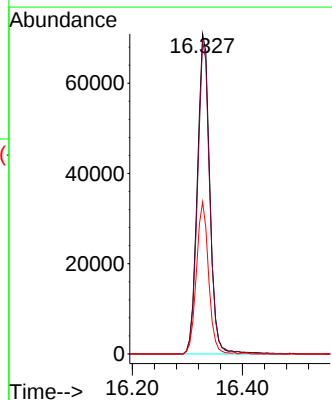
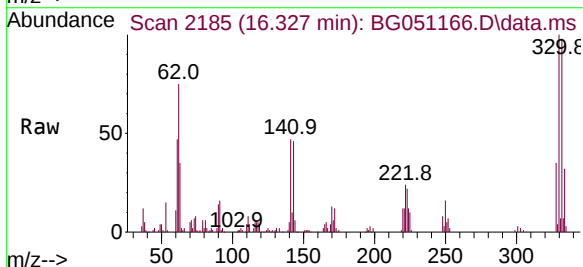
Instrument :  
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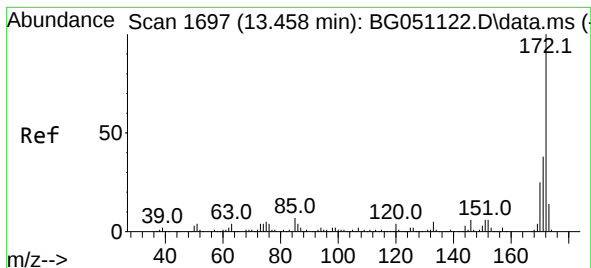
Tgt Ion:164 Resp: 78323  
Ion Ratio Lower Upper  
164 100  
162 105.2 81.4 122.0  
160 44.2 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 134.284 ng  
RT: 16.327 min Scan# 2185  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion:330 Resp: 111788  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.3 115.9  
141 46.0 35.6 53.4





#45

2-Fluorobiphenyl

Concen: 84.869 ng

RT: 13.460 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG051166.D

Acq: 22 Nov 2021 10:47

Instrument :

BNA\_G

ClientSampleId :

PB140911TB

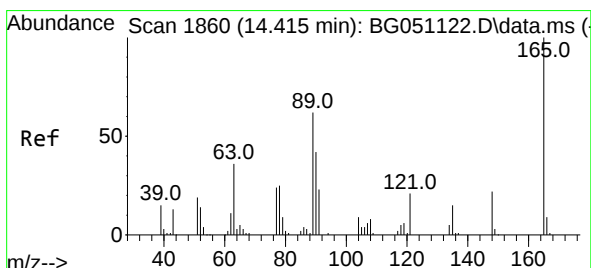
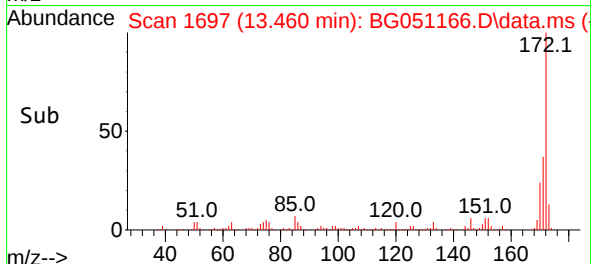
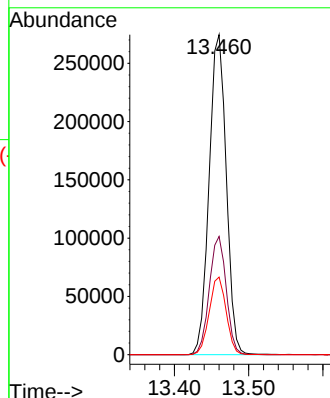
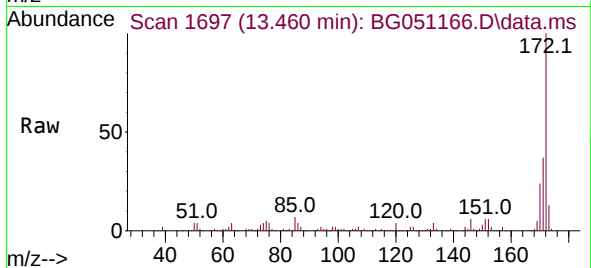
Tgt Ion:172 Resp: 440513

Ion Ratio Lower Upper

172 100

171 37.0 28.6 43.0

170 24.2 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.210 ng

RT: 14.835 min Scan# 1931

Delta R.T. 0.420 min

Lab File: BG051166.D

Acq: 22 Nov 2021 10:47

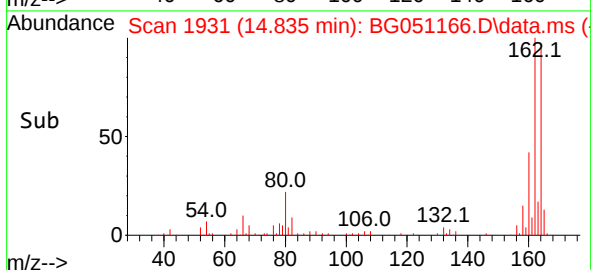
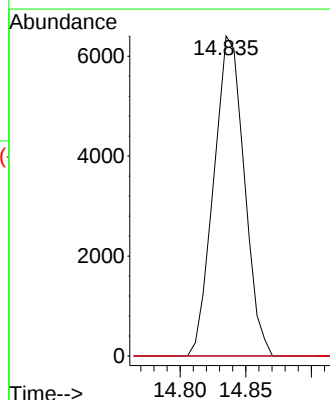
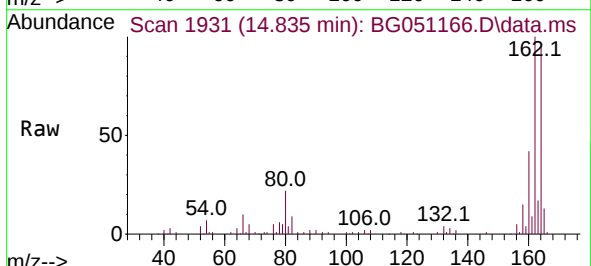
Tgt Ion:165 Resp: 10347

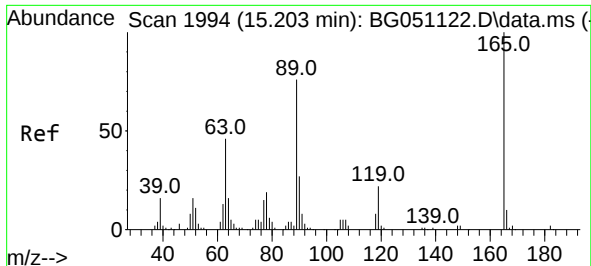
Ion Ratio Lower Upper

165 100

63 0.0 63.3 94.9#

89 0.0 63.4 95.0#

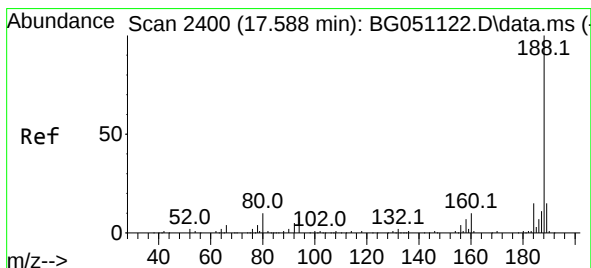
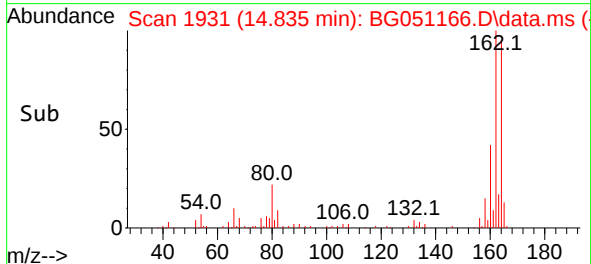
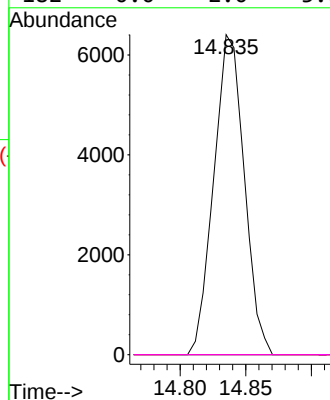
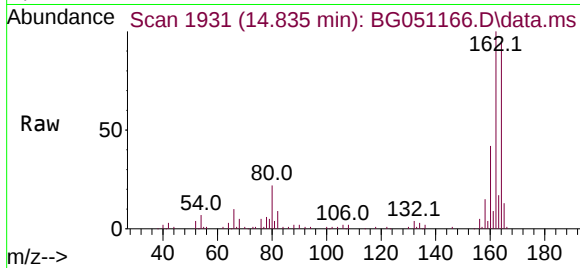




#57  
2,4-Dinitrotoluene  
Concen: 5.731 ng  
RT: 14.835 min Scan# 1994  
Delta R.T. -0.368 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

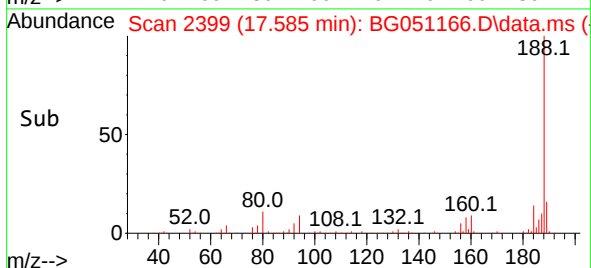
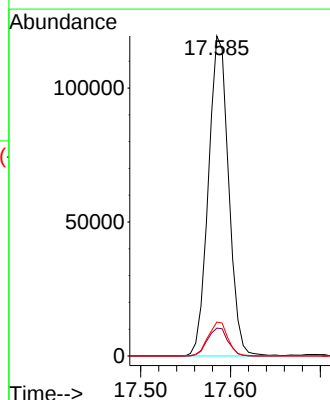
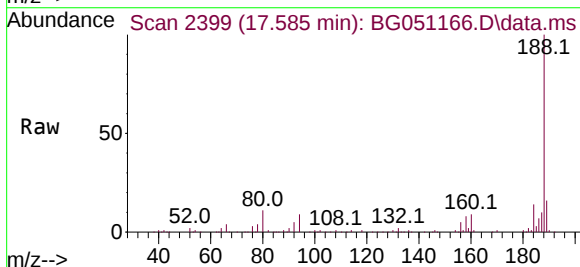
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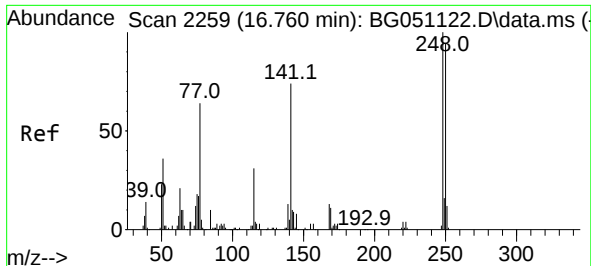
Tgt Ion:165 Resp: 10347  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 0.0 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.585 min Scan# 2399  
Delta R.T. -0.003 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion:188 Resp: 186678  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.4 8.0#  
80 10.6 3.7 5.5#

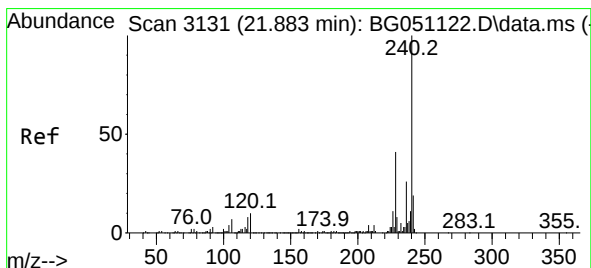
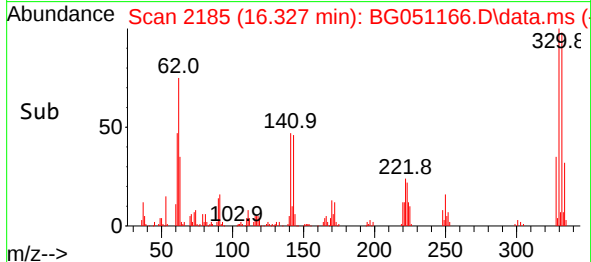
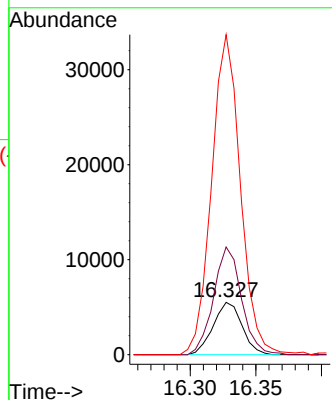
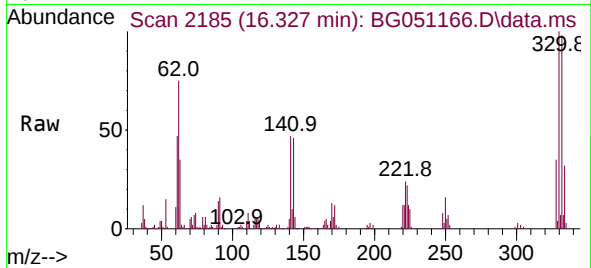




#67  
4-Bromophenyl-phenylether  
Concen: 4.164 ng  
RT: 16.327 min Scan# 2185  
Delta R.T. -0.432 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

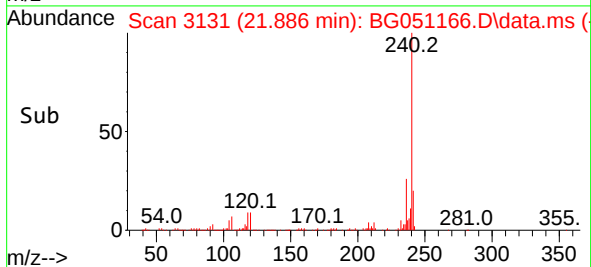
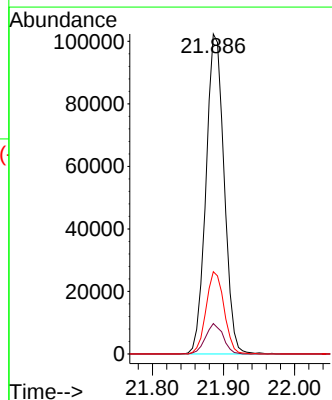
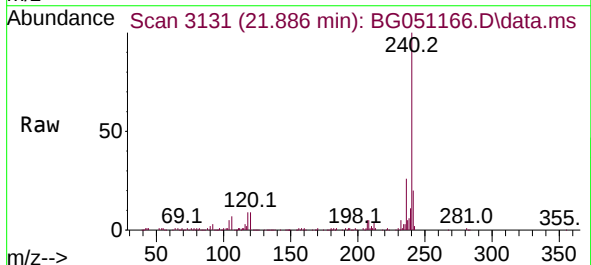
Instrument :  
BNA\_G  
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PB140911TB

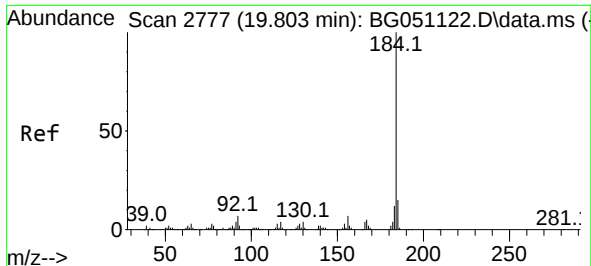
Tgt Ion:248 Resp: 8407  
Ion Ratio Lower Upper  
248 100  
250 205.6 76.1 114.1#  
141 611.0 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.886 min Scan# 3131  
Delta R.T. 0.002 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

Tgt Ion:240 Resp: 181043  
Ion Ratio Lower Upper  
240 100  
120 9.5 4.2 6.2#  
236 25.7 21.8 32.6

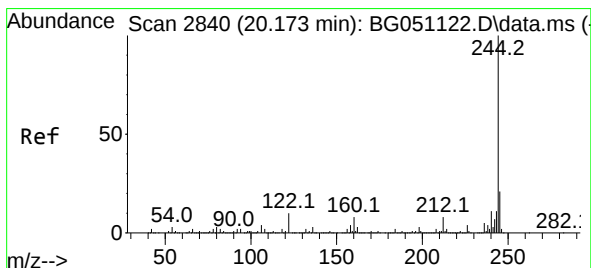
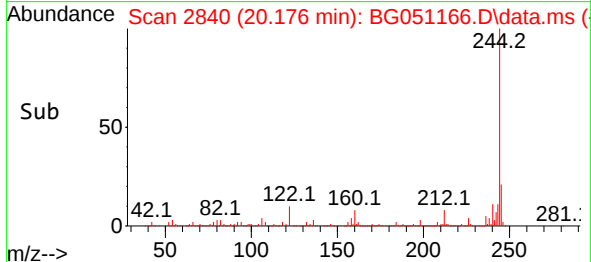
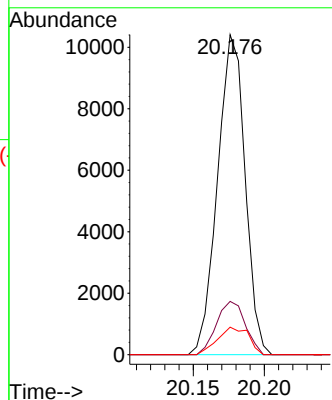
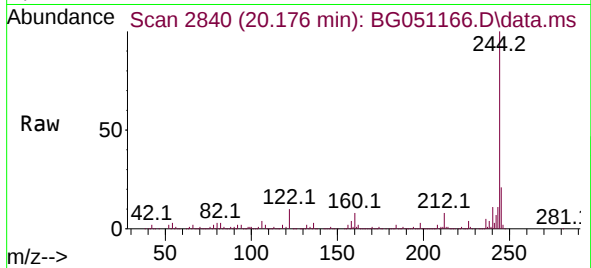




#77  
Benzidine  
Concen: 4.711 ng  
RT: 20.176 min Scan# 21  
Delta R.T. 0.373 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

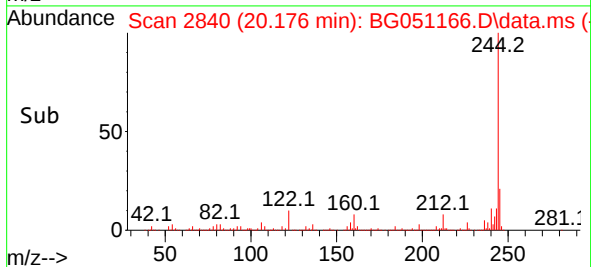
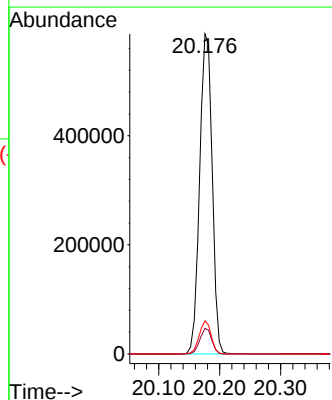
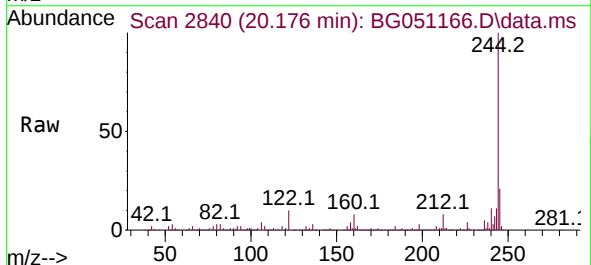
Instrument :  
BNA\_G  
ClientSampleId :  
PB140911TB

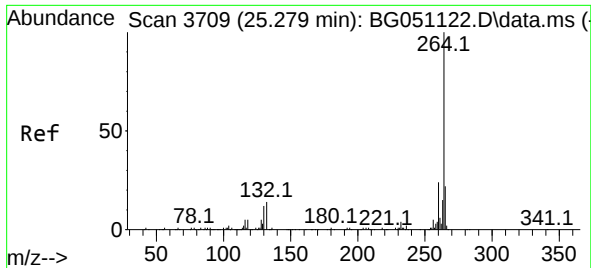
Tgt Ion:184 Resp: 14005  
Ion Ratio Lower Upper  
184 100  
185 16.7 10.7 16.1#  
183 8.6 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 84.690 ng  
RT: 20.176 min Scan# 2840  
Delta R.T. 0.002 min  
Lab File: BG051166.D  
Acq: 22 Nov 2021 10:47

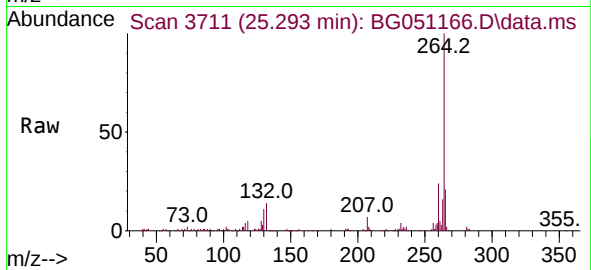
Tgt Ion:244 Resp: 838716  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.9 10.3  
122 10.3 5.0 7.6#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.293 min Scan# 31  
 Delta R.T. 0.014 min  
 Lab File: BG051166.D  
 Acq: 22 Nov 2021 10:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB140911TB



Tgt Ion:264 Resp: 176622  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.1 16.9 25.3

