

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080122\  
 Data File : BG054463.D  
 Acq On : 1 Aug 2022 13:55  
 Operator : CG/JU  
 Sample : N3896-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-61

Quant Time: Aug 02 05:45:33 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 04:30:50 2022  
 Response via : Initial Calibration

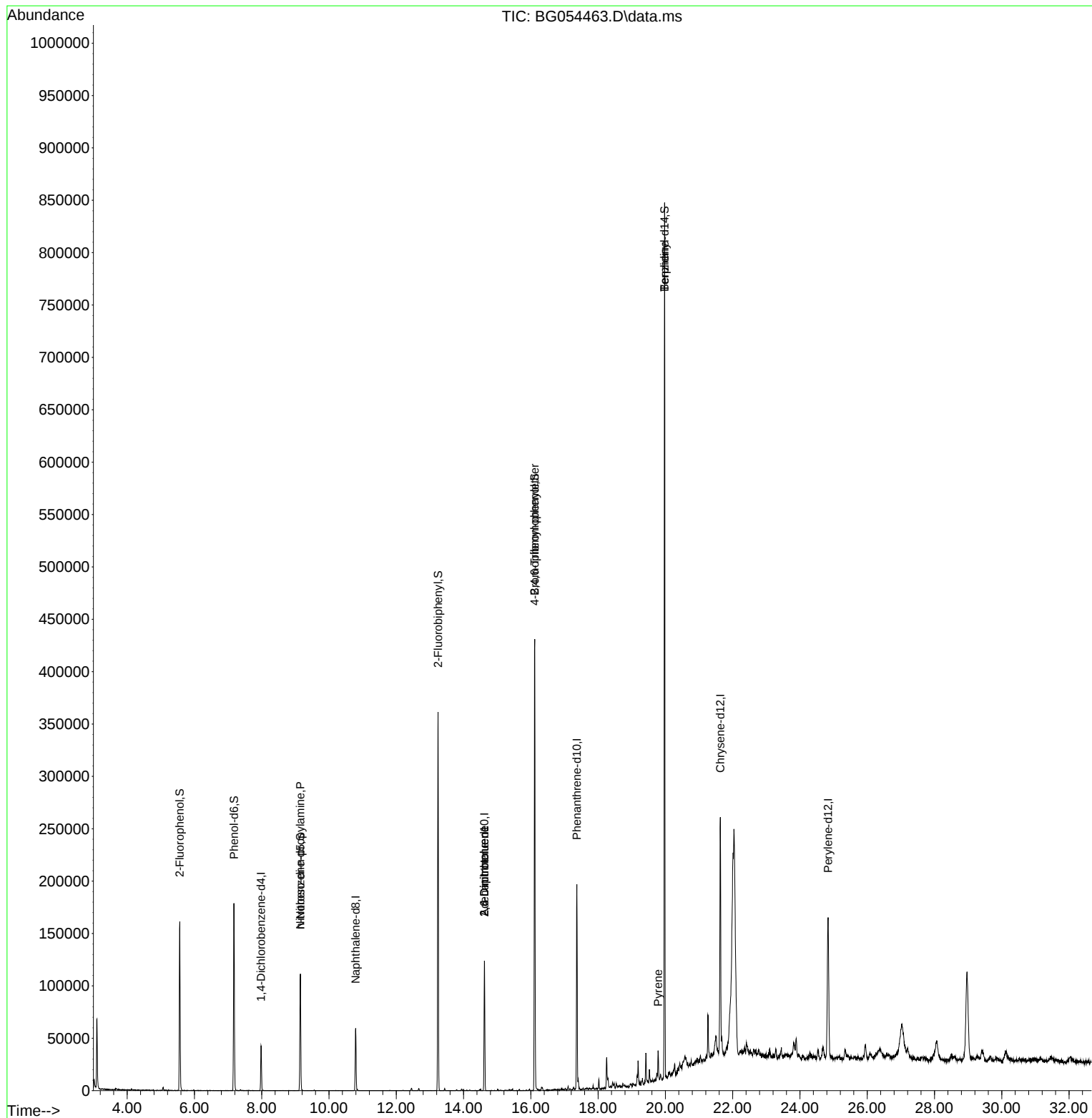
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.979  | 152  | 13761    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.793 | 136  | 54798    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.618 | 164  | 49723    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.368 | 188  | 140265   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.633 | 240  | 157353   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 24.835 | 264  | 166182   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.564  | 112  | 72990    | 110.744 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.174  | 99   | 101552   | 112.446 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.148  | 82   | 69694    | 69.260  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.116 | 330  | 119169   | 114.147 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.243 | 172  | 209963   | 59.569  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.976 | 244  | 464005   | 58.499  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.148  | 70   | 9667     | 16.029  | ng    | # 83     |
| 51) 2,6-Dinitrotoluene        | 14.618 | 165  | 7057     | 8.284   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.618 | 165  | 7057     | 5.779   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.110 | 248  | 7122     | 3.615   | ng    | # 1      |
| 77) Benzidine                 | 19.976 | 184  | 5952     | 2.089   | ng    | 98       |
| 78) Pyrene                    | 19.783 | 202  | 19194    | 2.126   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

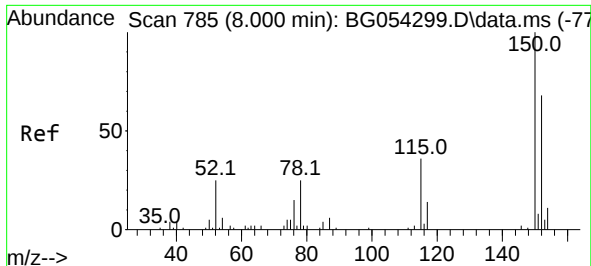
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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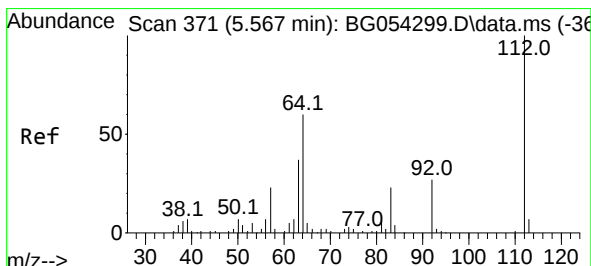
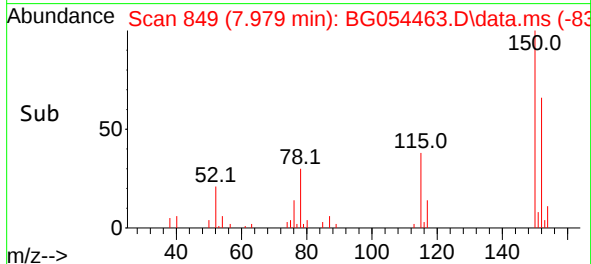
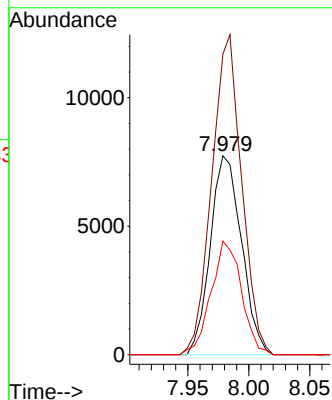
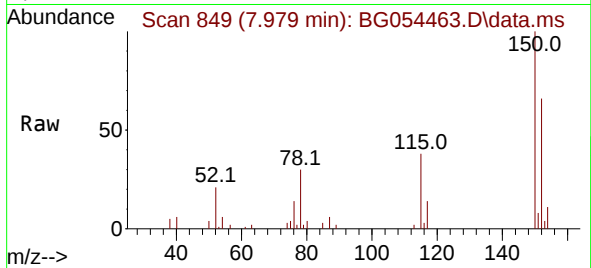




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.979 min Scan# 84  
Delta R.T. -0.009 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

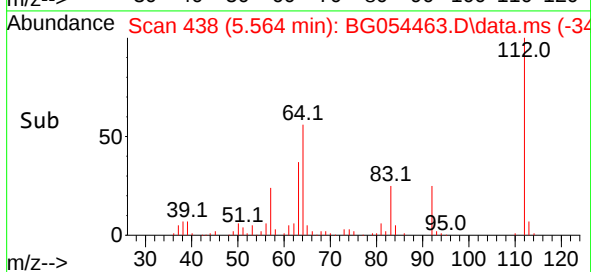
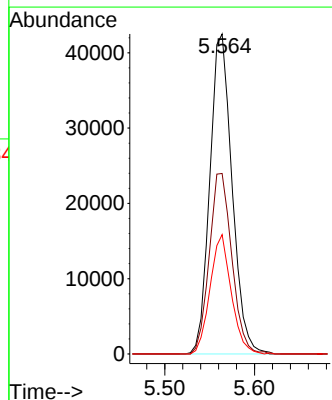
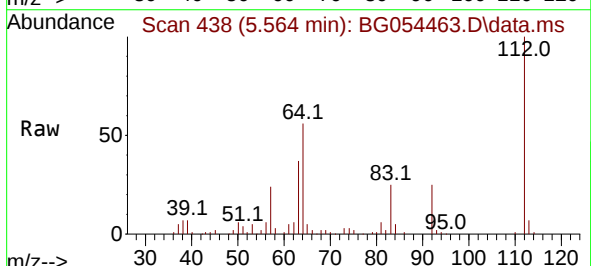
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-61

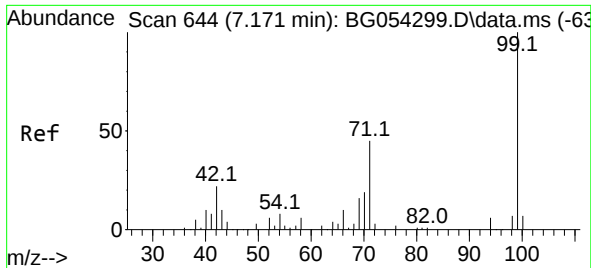
Tgt Ion:152 Resp: 13761  
Ion Ratio Lower Upper  
152 100  
150 151.2 131.6 197.4  
115 57.2 50.9 76.3



#5  
2-Fluorophenol  
Concen: 110.744 ng  
RT: 5.564 min Scan# 438  
Delta R.T. 0.002 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion:112 Resp: 72990  
Ion Ratio Lower Upper  
112 100  
64 56.4 55.1 82.7  
63 37.3 30.4 45.6

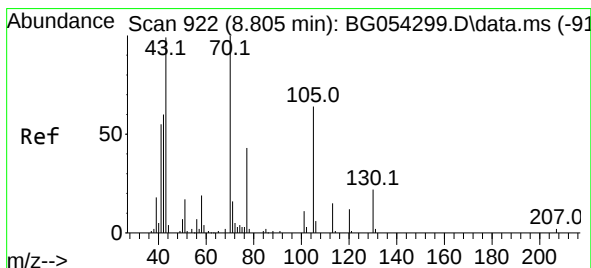
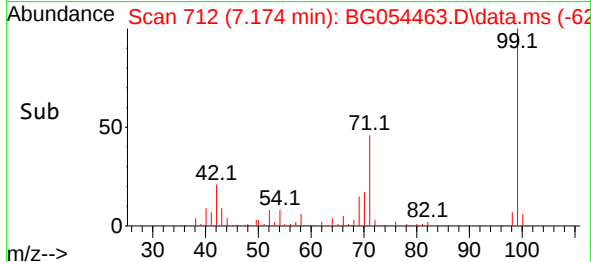
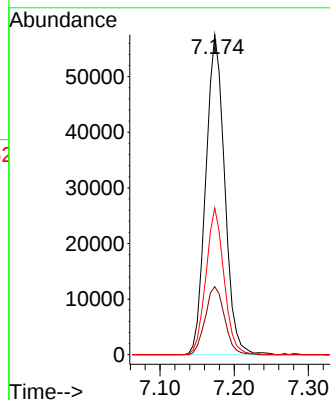
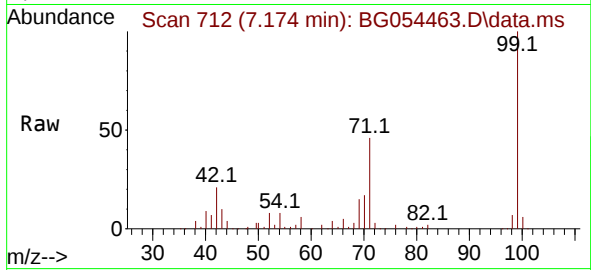




#7  
Phenol-d6  
Concen: 112.446 ng  
RT: 7.174 min Scan# 71  
Delta R.T. 0.002 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

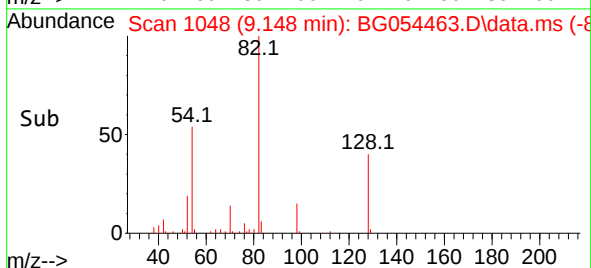
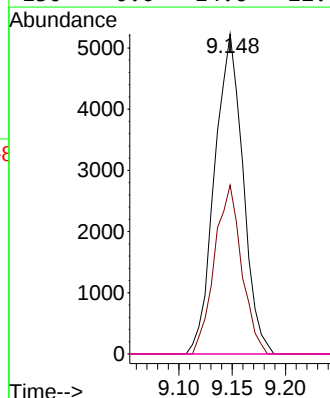
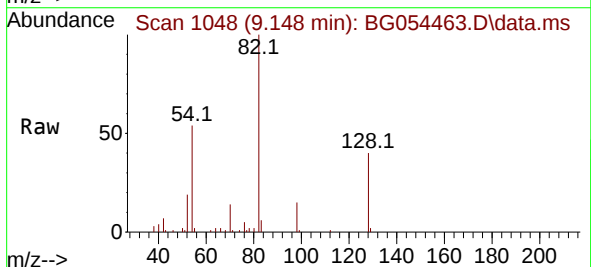
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-61

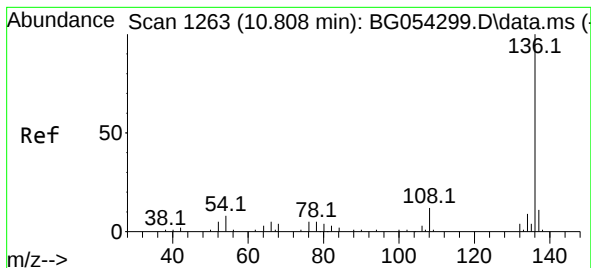
Tgt Ion: 99 Resp: 101552  
Ion Ratio Lower Upper  
99 100  
42 21.3 17.0 25.6  
71 45.8 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.029 ng  
RT: 9.148 min Scan# 1048  
Delta R.T. 0.355 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion: 70 Resp: 9667  
Ion Ratio Lower Upper  
70 100  
42 52.7 47.3 70.9  
101 0.0 7.0 10.4#  
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.793 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG054463.D

Acq: 1 Aug 2022 13:55

Instrument :

BNA\_G

ClientSampleId :

RVE-61

Tgt Ion:136 Resp: 54798

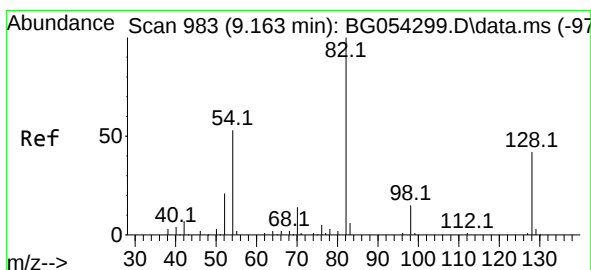
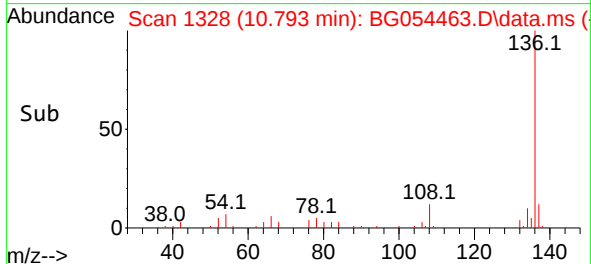
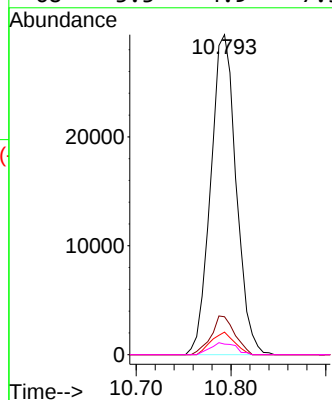
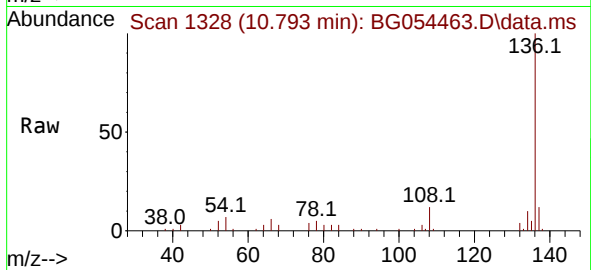
Ion Ratio Lower Upper

136 100

137 11.8 8.5 12.7

54 7.1 7.4 11.2#

68 3.3 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 69.260 ng

RT: 9.148 min Scan# 1048

Delta R.T. -0.004 min

Lab File: BG054463.D

Acq: 1 Aug 2022 13:55

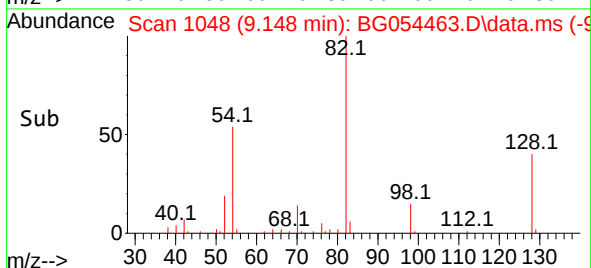
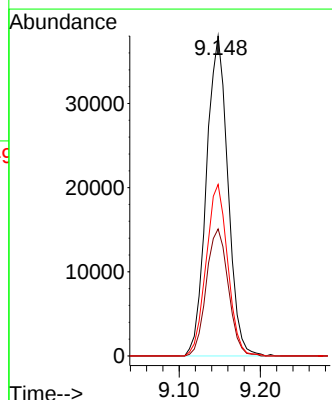
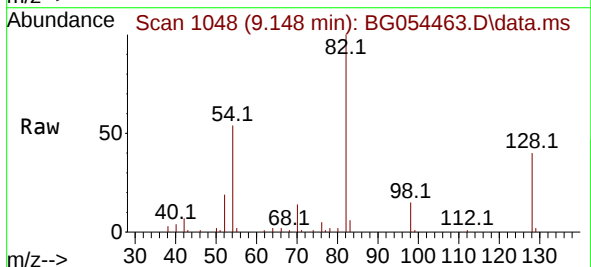
Tgt Ion: 82 Resp: 69694

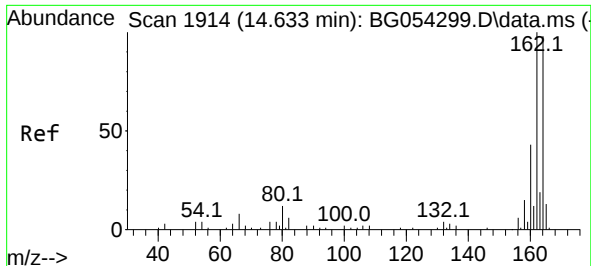
Ion Ratio Lower Upper

82 100

128 39.7 27.9 41.9

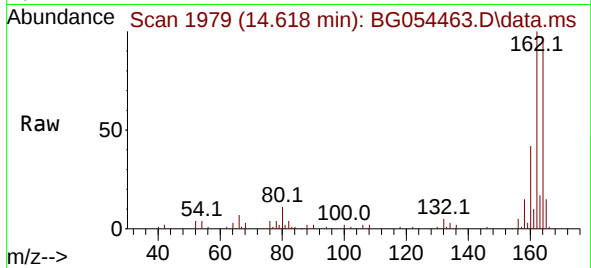
54 53.6 41.2 61.8



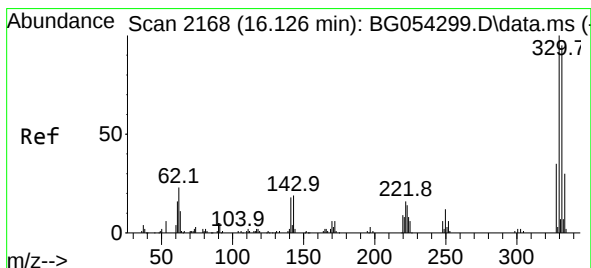
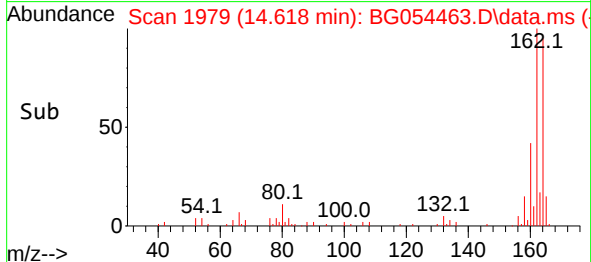
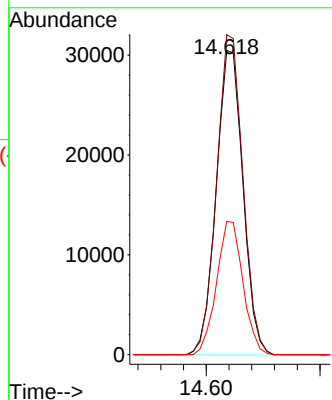


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.618 min Scan# 1914  
Delta R.T. -0.004 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Instrument :  
BNA\_G  
ClientSampleId :  
RVE-61

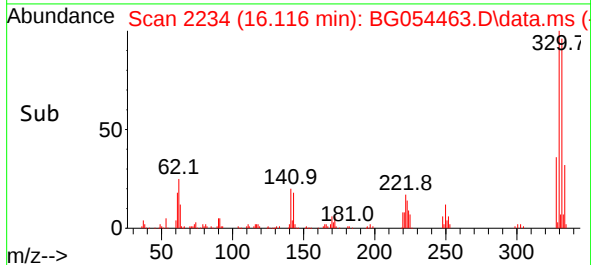
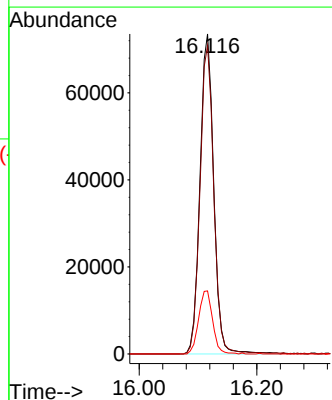
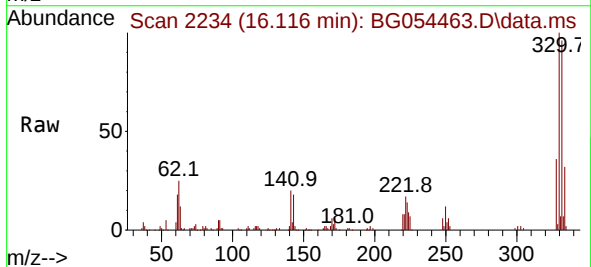


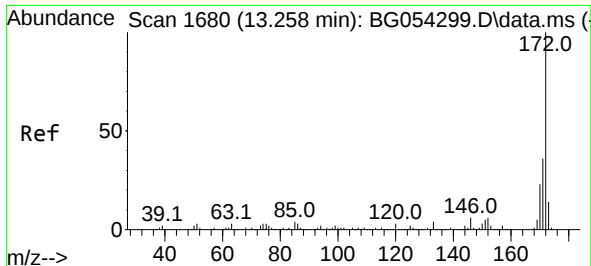
Tgt Ion:164 Resp: 49723  
Ion Ratio Lower Upper  
164 100  
162 105.1 82.3 123.5  
160 43.8 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 114.147 ng  
RT: 16.116 min Scan# 2234  
Delta R.T. 0.002 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion:330 Resp: 119169  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.0 114.0  
141 20.1 27.1 40.7#

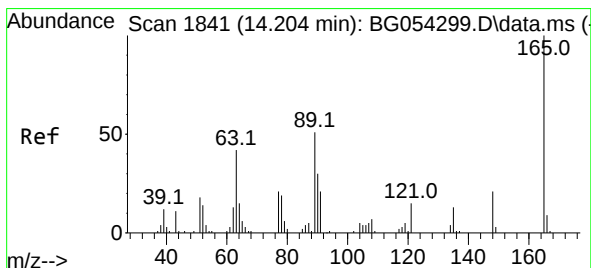
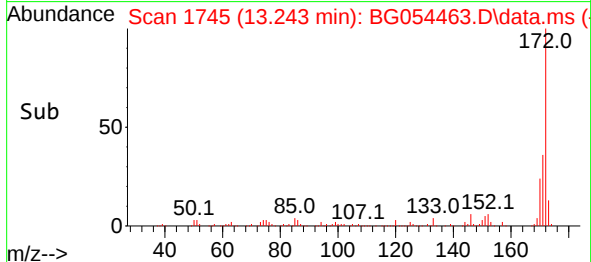
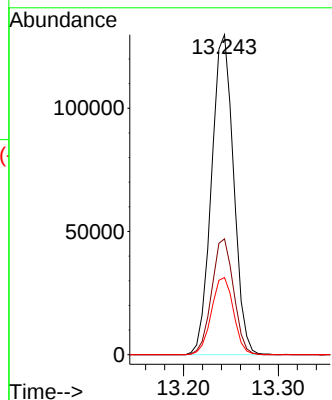
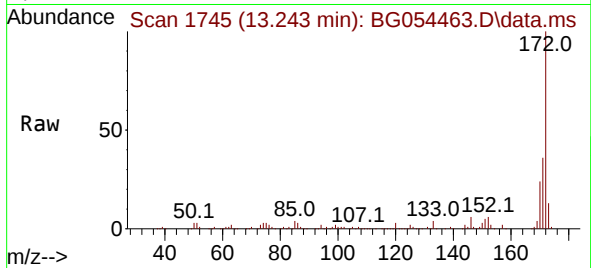




#45  
2-Fluorobiphenyl  
Concen: 59.569 ng  
RT: 13.243 min Scan# 1745  
Delta R.T. -0.004 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

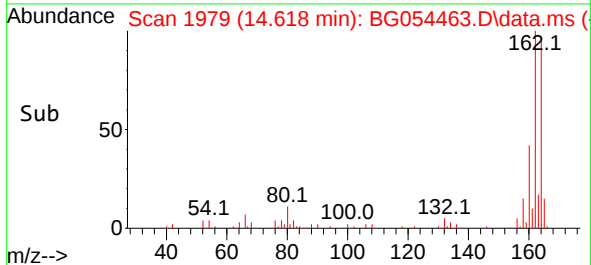
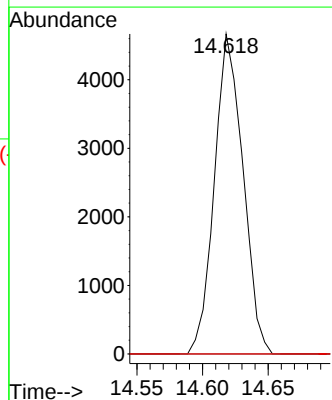
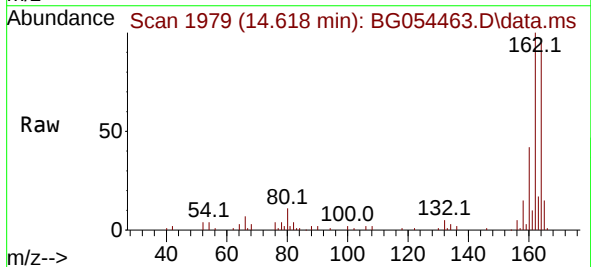
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BNA\_G  
ClientSampleId :  
RVE-61

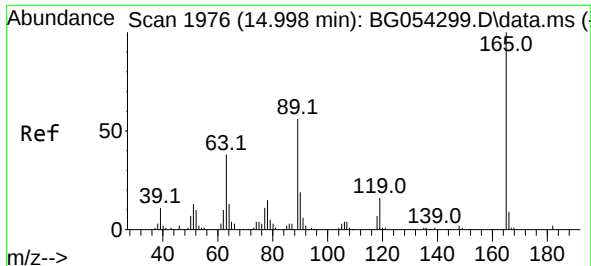
Tgt Ion:172 Resp: 209963  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.5 42.7  
170 24.1 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.284 ng  
RT: 14.618 min Scan# 1979  
Delta R.T. 0.419 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion:165 Resp: 7057  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#

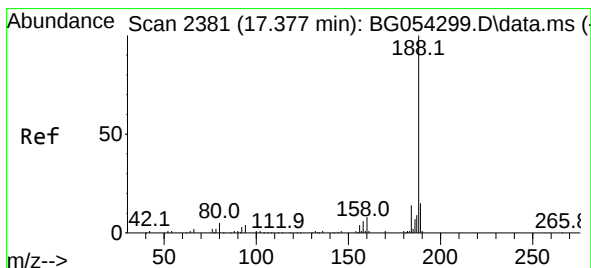
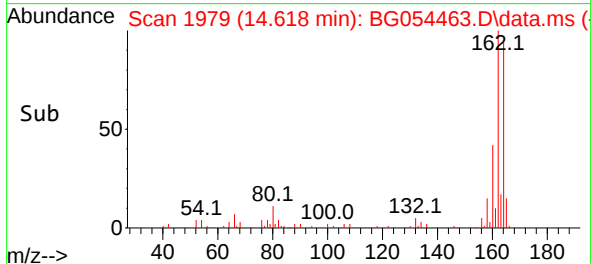
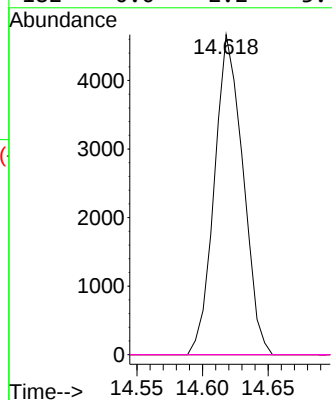
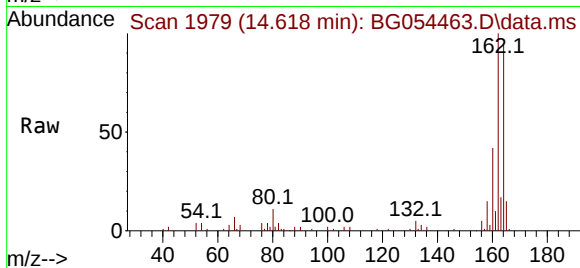




#57  
2,4-Dinitrotoluene  
Concen: 5.779 ng  
RT: 14.618 min Scan# 14  
Delta R.T. -0.374 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

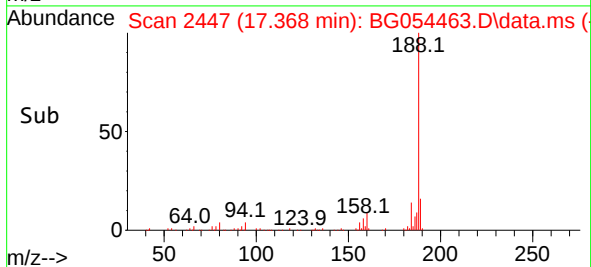
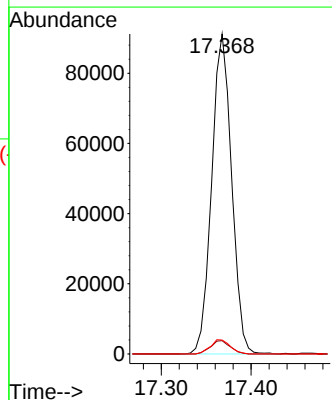
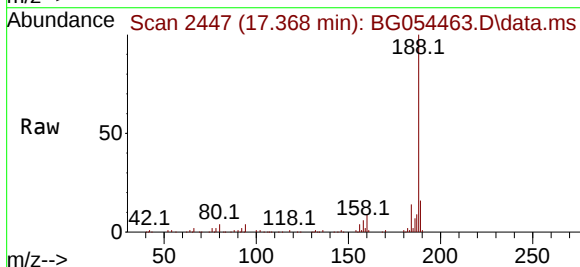
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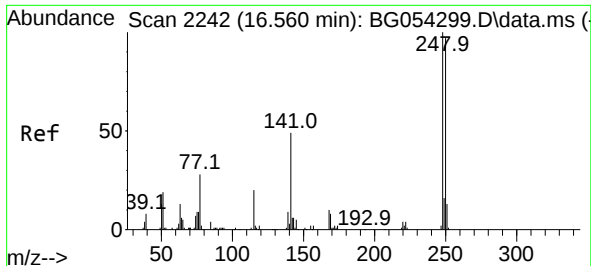
Tgt Ion:165 Resp: 7057  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.368 min Scan# 2447  
Delta R.T. -0.004 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion:188 Resp: 140265  
Ion Ratio Lower Upper  
188 100  
94 4.2 5.4 8.0#  
80 4.4 6.8 10.2#

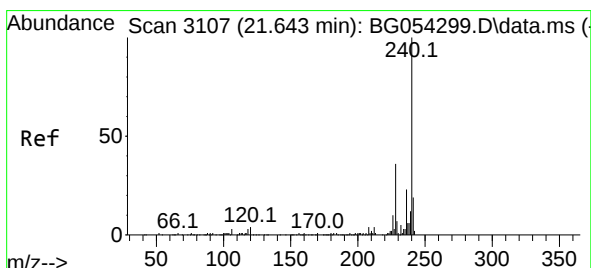
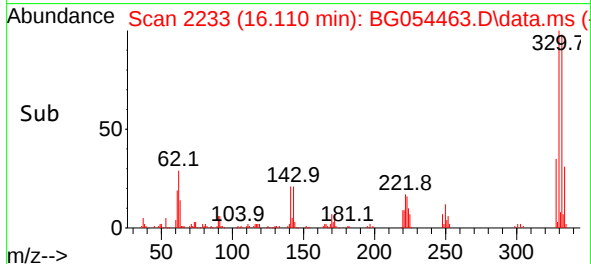
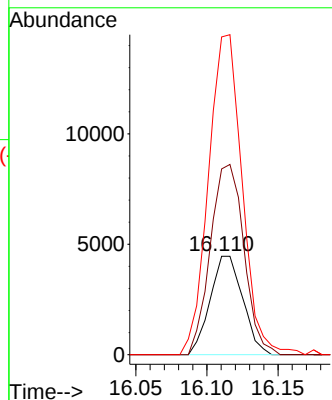
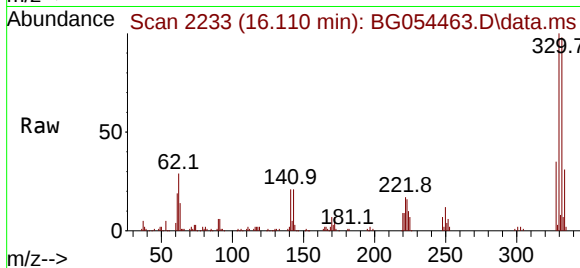




#67  
4-Bromophenyl-phenylether  
Concen: 3.615 ng  
RT: 16.110 min Scan# 211  
Delta R.T. -0.444 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

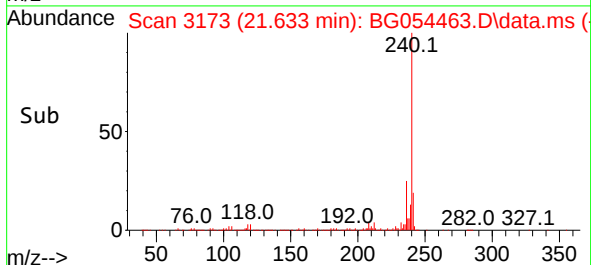
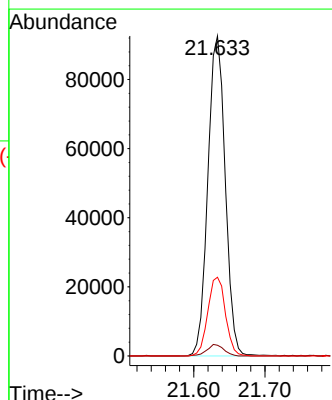
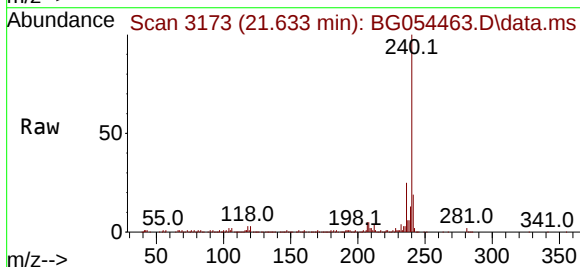
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-61

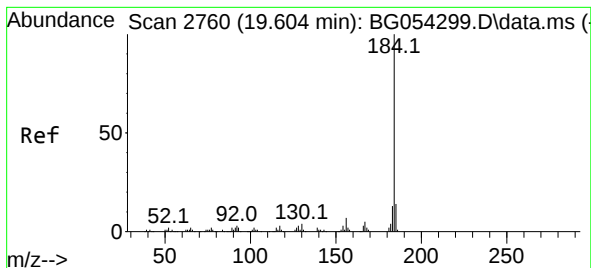
Tgt Ion:248 Resp: 7122  
Ion Ratio Lower Upper  
248 100  
250 188.7 75.2 112.8#  
141 322.7 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.633 min Scan# 3173  
Delta R.T. -0.004 min  
Lab File: BG054463.D  
Acq: 1 Aug 2022 13:55

Tgt Ion:240 Resp: 157353  
Ion Ratio Lower Upper  
240 100  
120 3.4 4.6 7.0#  
236 24.6 20.2 30.4





#77

Benzidine

Concen: 2.089 ng

RT: 19.976 min Scan# 21

Delta R.T. 0.378 min

Lab File: BG054463.D

Acq: 1 Aug 2022 13:55

Instrument :

BNA\_G

ClientSampleId :

RVE-61

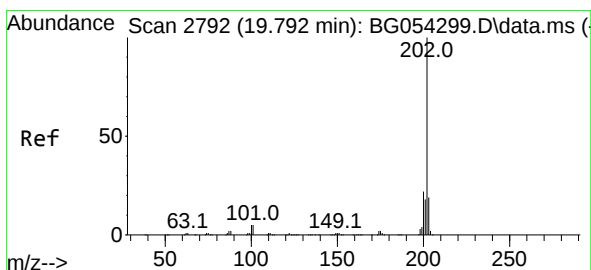
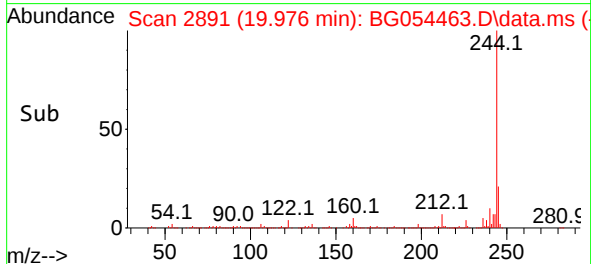
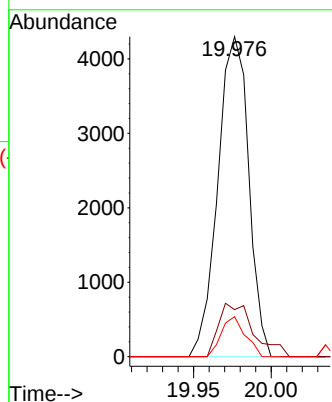
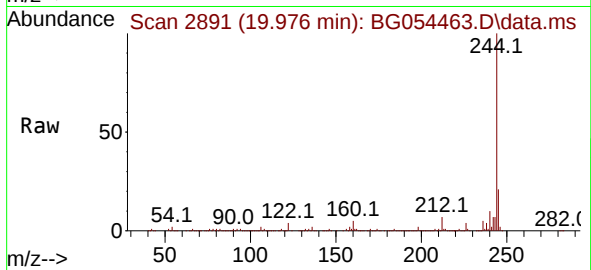
Tgt Ion:184 Resp: 5952

Ion Ratio Lower Upper

184 100

185 14.7 11.8 17.6

183 12.5 8.9 13.3



#78

Pyrene

Concen: 2.126 ng

RT: 19.783 min Scan# 2858

Delta R.T. -0.004 min

Lab File: BG054463.D

Acq: 1 Aug 2022 13:55

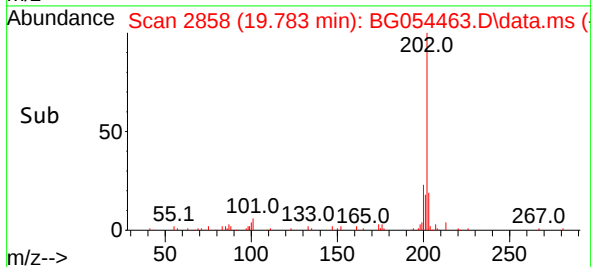
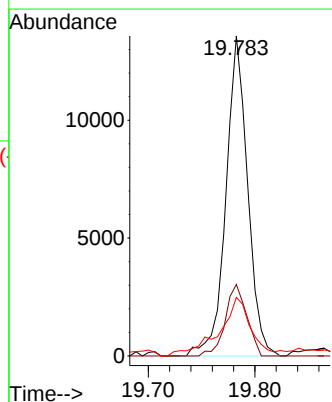
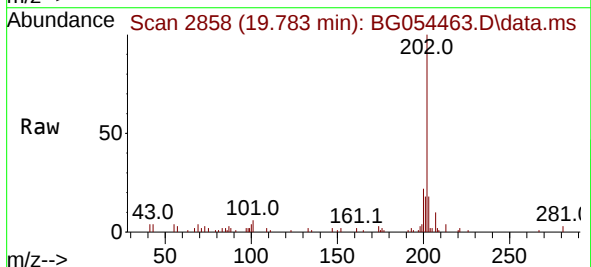
Tgt Ion:202 Resp: 19194

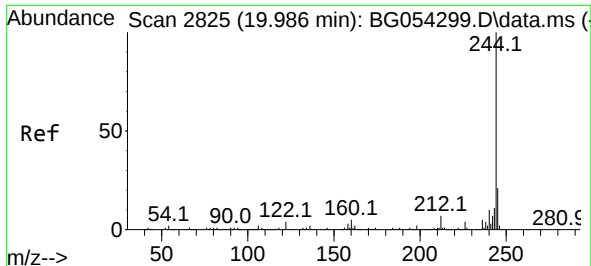
Ion Ratio Lower Upper

202 100

200 22.4 16.6 24.8

203 18.3 14.6 21.8

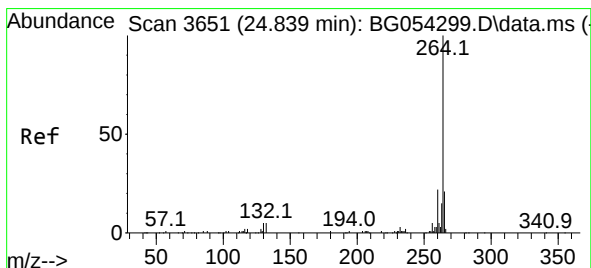
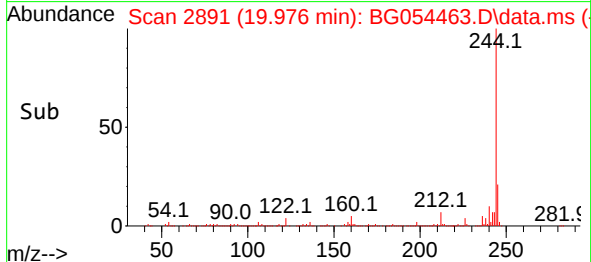
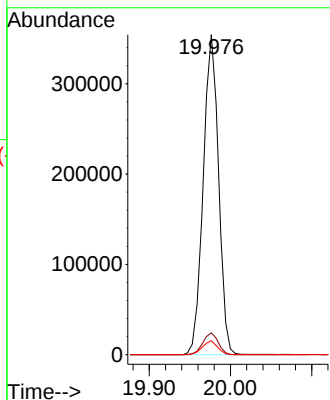
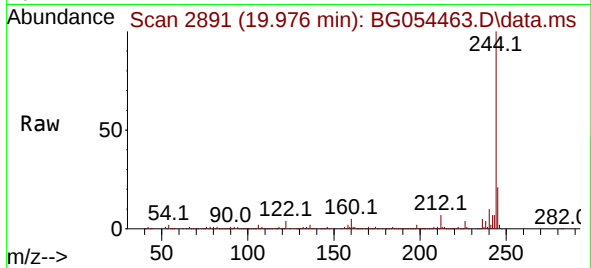




#79  
 Terphenyl-d14  
 Concen: 58.499 ng  
 RT: 19.976 min Scan# 21  
 Delta R.T. -0.004 min  
 Lab File: BG054463.D  
 Acq: 1 Aug 2022 13:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-61

Tgt Ion:244 Resp: 464005  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.5 9.7  
 122 4.4 5.0 7.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.835 min Scan# 3718  
 Delta R.T. 0.002 min  
 Lab File: BG054463.D  
 Acq: 1 Aug 2022 13:55

Tgt Ion:264 Resp: 166182  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.0 28.6  
 265 21.1 17.4 26.2

