

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080322\  
 Data File : BG054502.D  
 Acq On : 3 Aug 2022 16:41  
 Operator : CG/JU  
 Sample : N3935-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-139D

Quant Time: Aug 04 00:44:01 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

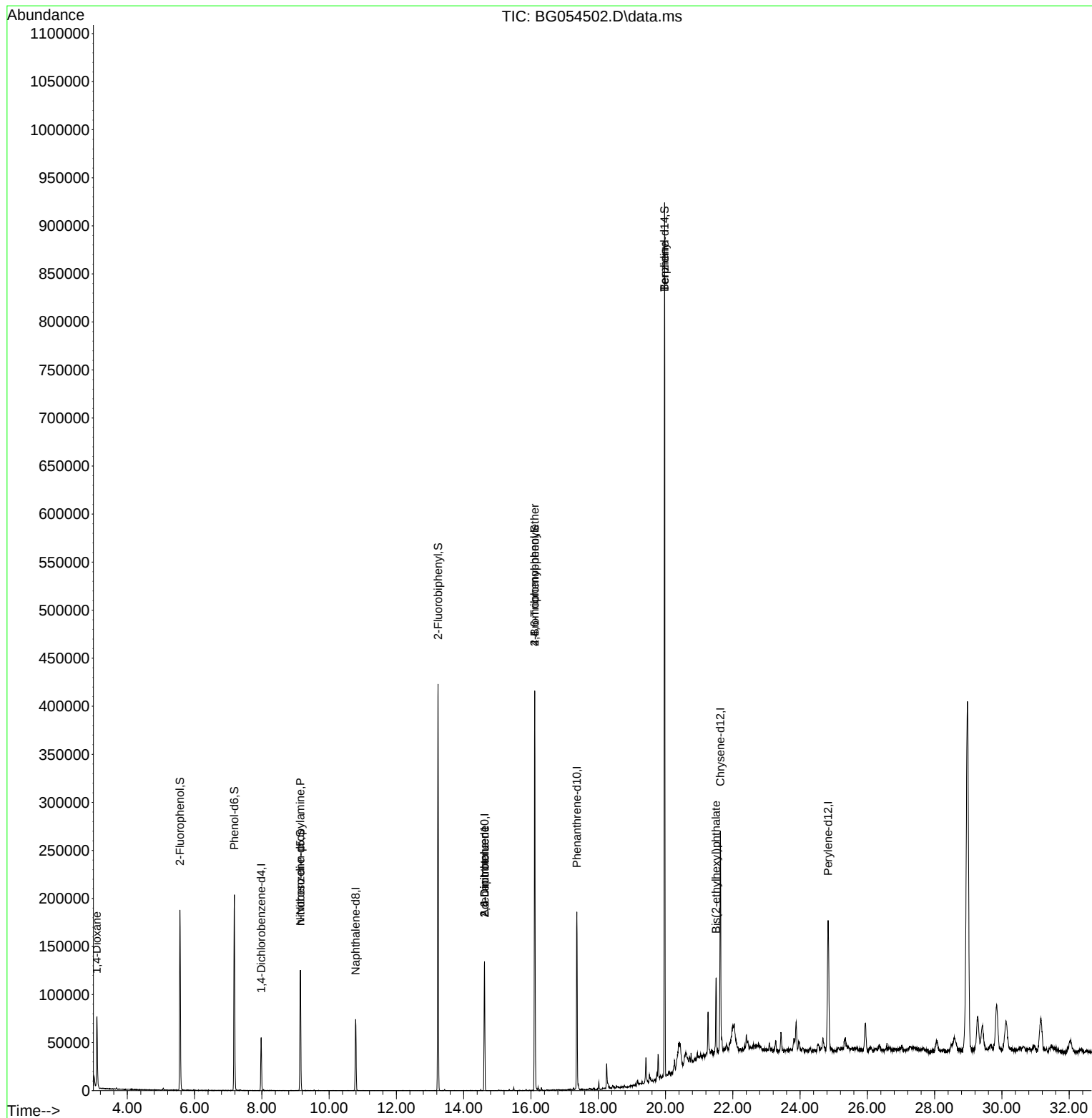
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.981  | 152  | 17244    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.790 | 136  | 69012    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.620 | 164  | 54218    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.364 | 188  | 138077   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.630 | 240  | 154993   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 24.832 | 264  | 163449   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.566  | 112  | 87307    | 105.710 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.182  | 99   | 117064   | 103.441 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 9.145  | 82   | 78601    | 62.024  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.113 | 330  | 111326   | 97.794  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.240 | 172  | 243338   | 63.314  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.973 | 244  | 509701   | 65.238  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.093  | 88   | 1024     | 3.116   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.145  | 70   | 11459    | 15.163  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.620 | 165  | 7621     | 8.204   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.620 | 165  | 7621     | 5.723   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.113 | 248  | 6720     | 3.465   | ng    | # 1      |
| 77) Benzidine                 | 19.973 | 184  | 6863     | 2.445   | ng    | # 89     |
| 84) Bis(2-ethylhexyl)phtha... | 21.507 | 149  | 37216    | 9.490   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

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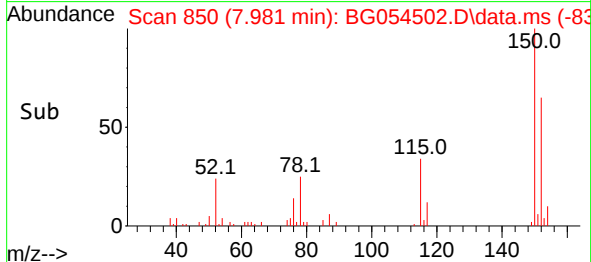
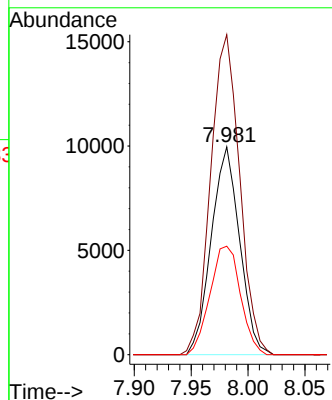
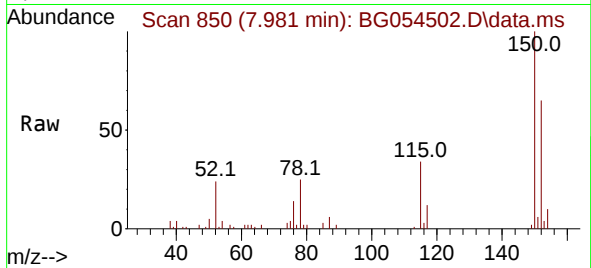




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.981 min Scan# 81  
 Delta R.T. -0.007 min  
 Lab File: BG054502.D  
 Acq: 3 Aug 2022 16:41

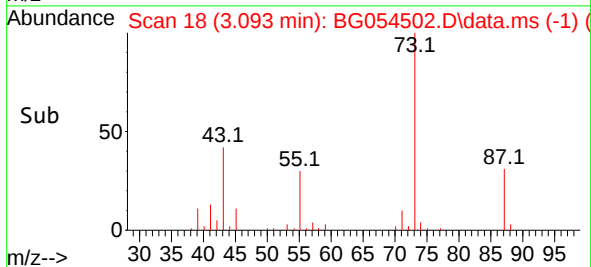
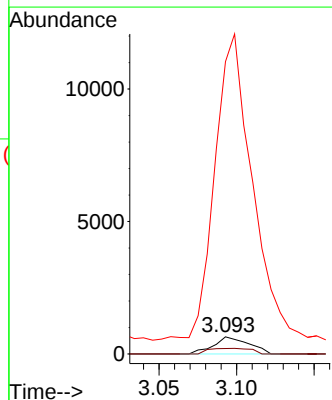
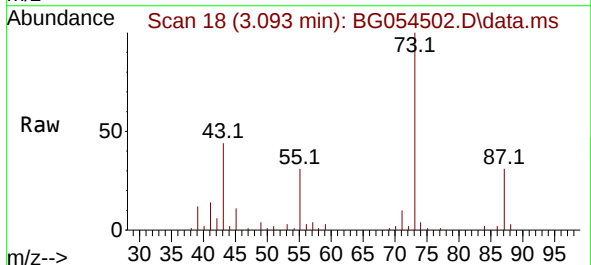
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-139D

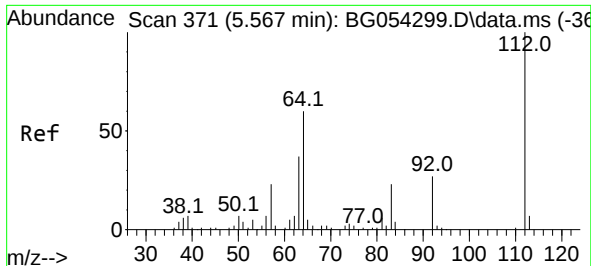
Tgt Ion:152 Resp: 17244  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 131.6 197.4  
 115 52.2 50.9 76.3



#2  
 1,4-Dioxane  
 Concen: 3.116 ng  
 RT: 3.093 min Scan# 18  
 Delta R.T. -0.324 min  
 Lab File: BG054502.D  
 Acq: 3 Aug 2022 16:41

Tgt Ion: 88 Resp: 1024  
 Ion Ratio Lower Upper  
 88 100  
 58 39.7 59.2 88.8#  
 43 2056.2 24.3 36.5#

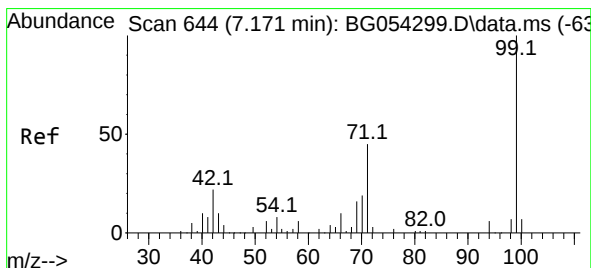
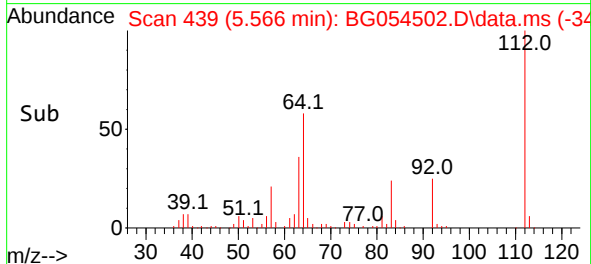
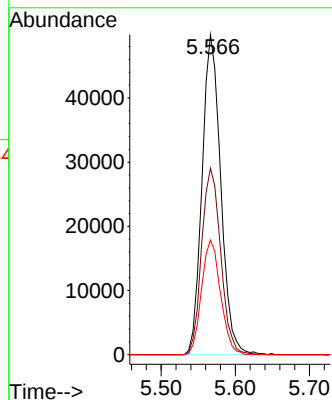
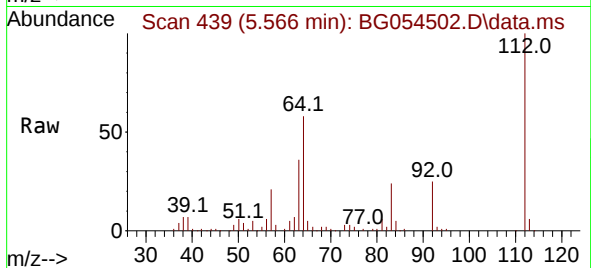




#5  
2-Fluorophenol  
Concen: 105.710 ng  
RT: 5.566 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

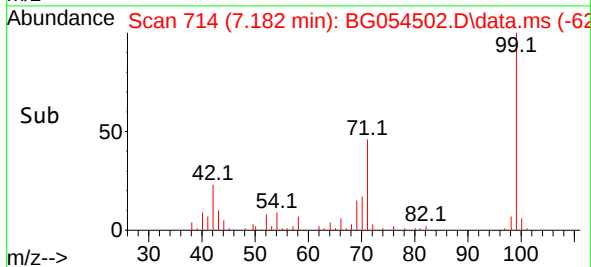
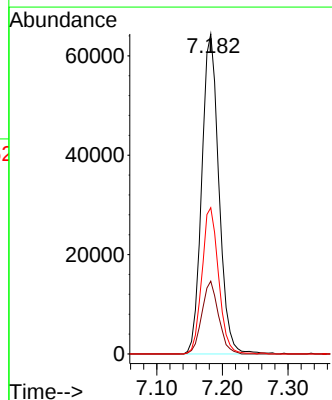
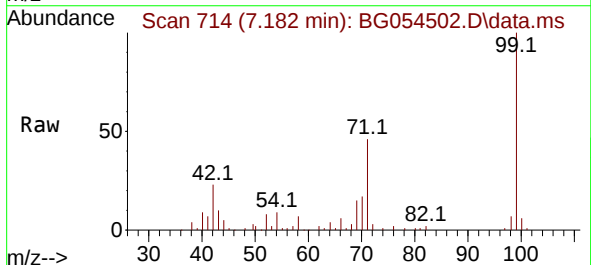
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

Tgt Ion:112 Resp: 87307  
Ion Ratio Lower Upper  
112 100  
64 58.3 55.1 82.7  
63 35.8 30.4 45.6



#7  
Phenol-d6  
Concen: 103.441 ng  
RT: 7.182 min Scan# 714  
Delta R.T. 0.010 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion: 99 Resp: 117064  
Ion Ratio Lower Upper  
99 100  
42 22.7 17.0 25.6  
71 45.7 33.8 50.8

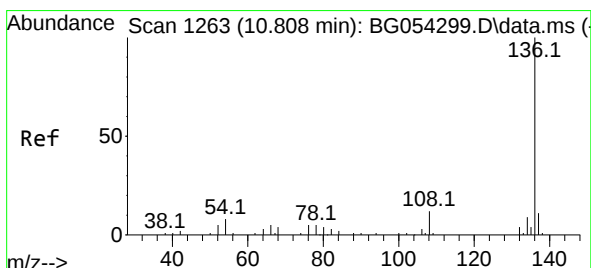
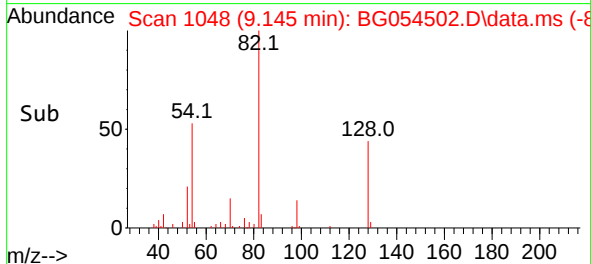
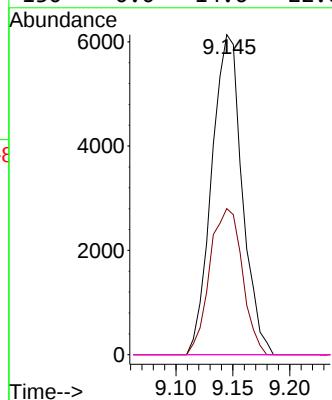
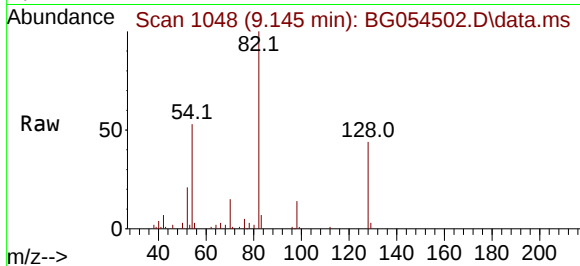




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.163 ng  
RT: 9.145 min Scan# 11  
Delta R.T. 0.351 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

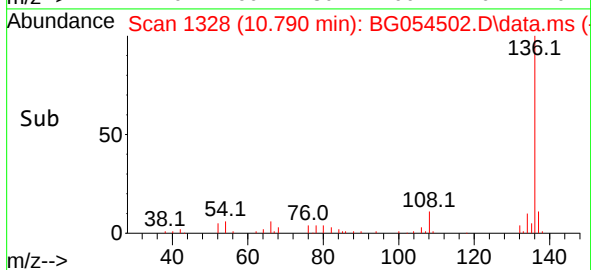
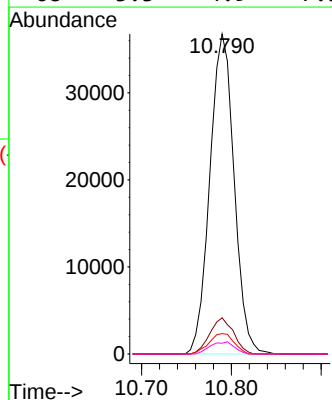
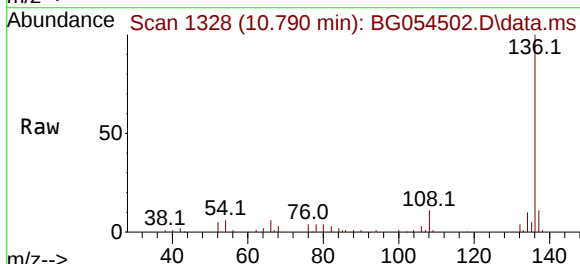
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 11459 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 45.7     | 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: 10.790 min Scan# 1328  
Delta R.T. -0.007 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:136 | Resp: | 69012 |
| Ion | Ratio   | Lower | Upper |
| 136 | 100     |       |       |
| 137 | 11.3    | 8.5   | 12.7  |
| 54  | 6.3     | 7.4   | 11.2# |
| 68  | 3.3     | 4.9   | 7.3#  |

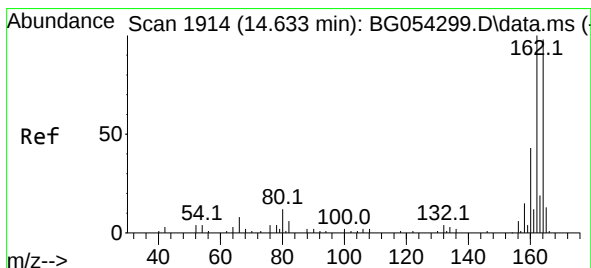
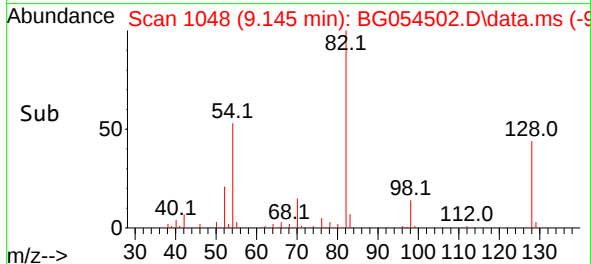
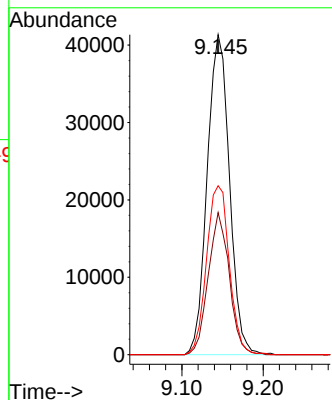
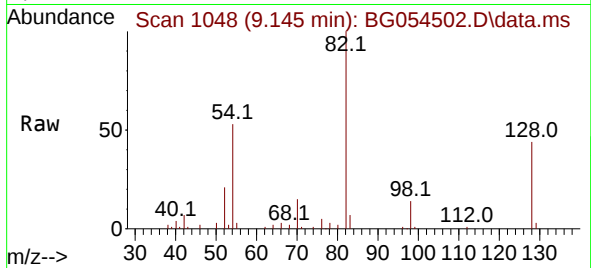




#23  
Nitrobenzene-d5  
Concen: 62.024 ng  
RT: 9.145 min Scan# 1048  
Delta R.T. -0.007 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

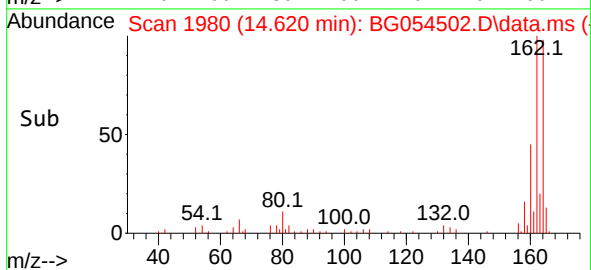
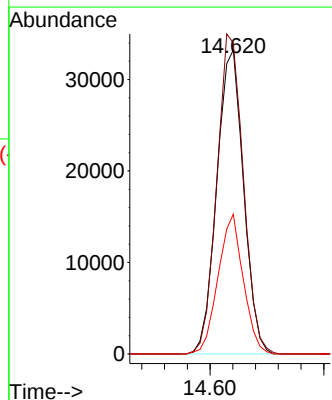
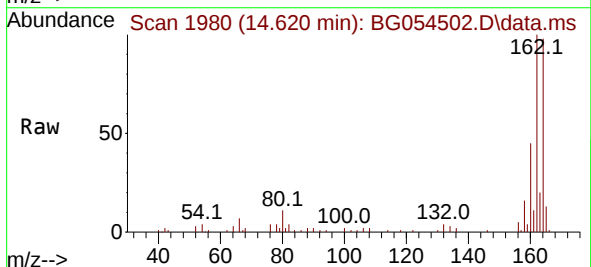
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

Tgt Ion: 82 Resp: 78601  
Ion Ratio Lower Upper  
82 100  
128 44.4 27.9 41.9#  
54 52.8 41.2 61.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. -0.001 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion:164 Resp: 54218  
Ion Ratio Lower Upper  
164 100  
162 102.3 82.3 123.5  
160 46.0 34.2 51.2

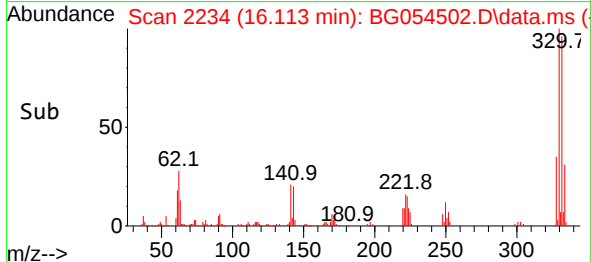
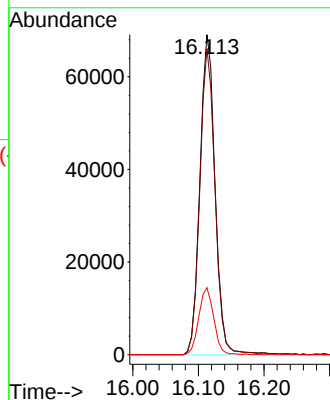
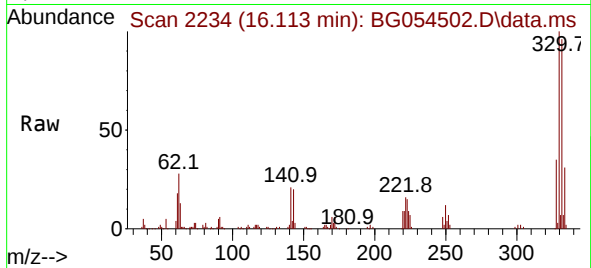




#42  
2,4,6-Tribromophenol  
Concen: 97.794 ng  
RT: 16.113 min Scan# 2168  
Delta R.T. -0.001 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

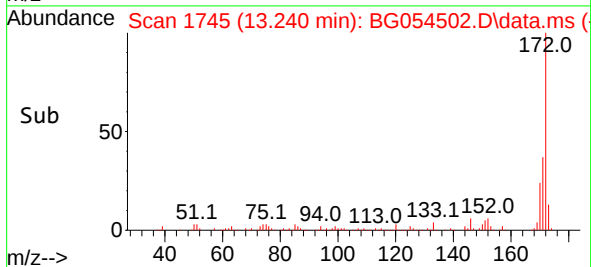
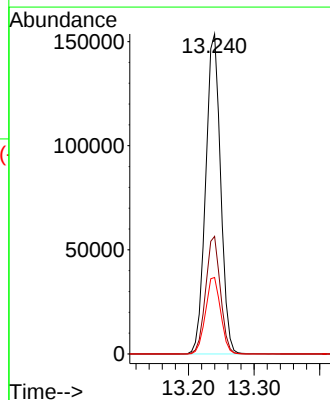
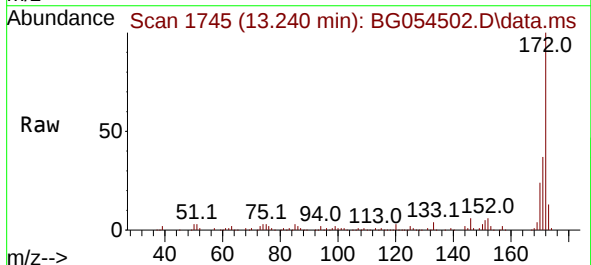
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

Tgt Ion:330 Resp: 111326  
Ion Ratio Lower Upper  
330 100  
332 95.3 76.0 114.0  
141 20.6 27.1 40.7#



#45  
2-Fluorobiphenyl  
Concen: 63.314 ng  
RT: 13.240 min Scan# 1745  
Delta R.T. -0.007 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion:172 Resp: 243338  
Ion Ratio Lower Upper  
172 100  
171 36.7 28.5 42.7  
170 23.9 18.9 28.3

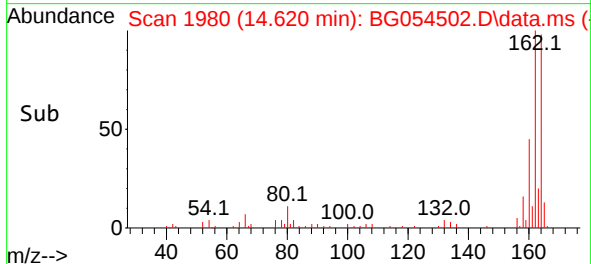
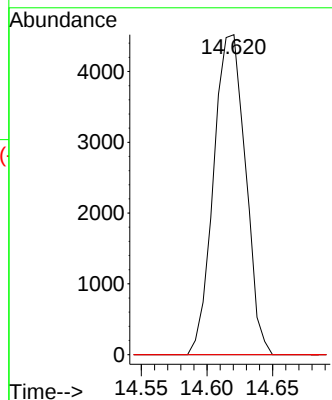
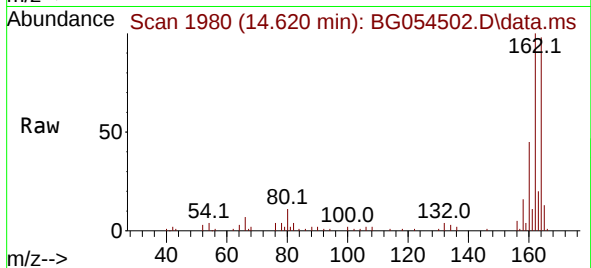




#51  
2,6-Dinitrotoluene  
Concen: 8.204 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. 0.422 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

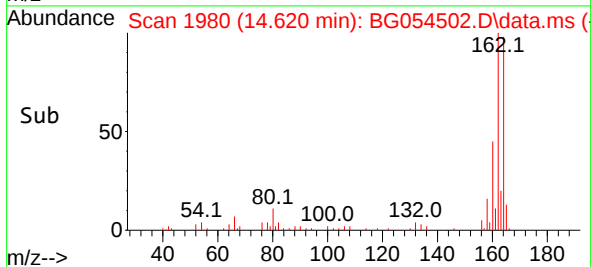
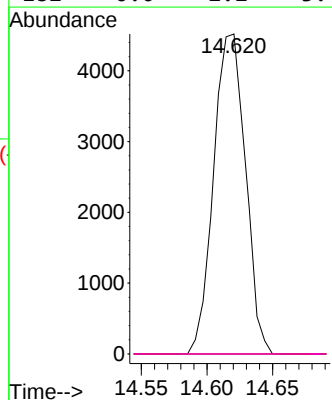
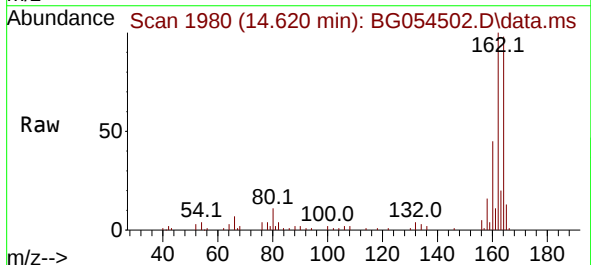
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

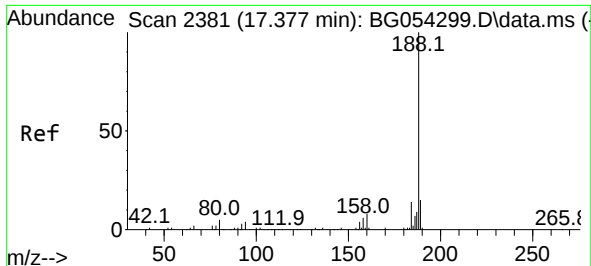
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Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.723 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. -0.371 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion:165 Resp: 7621  
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#

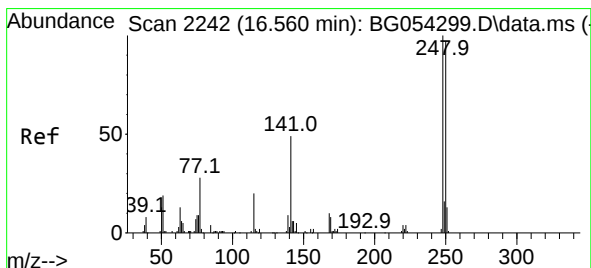
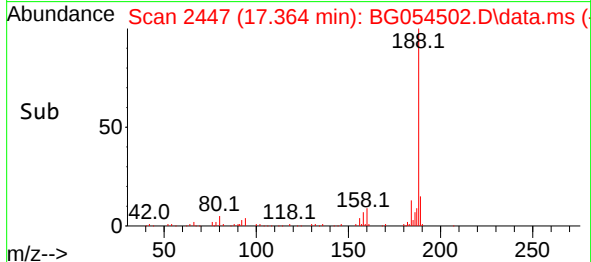
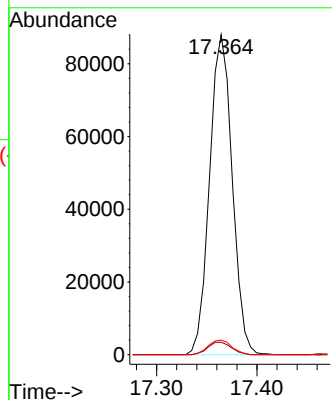
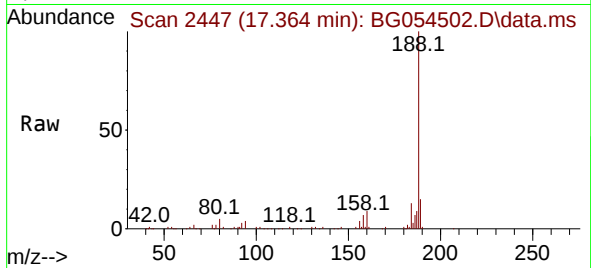




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.364 min Scan# 2447  
Delta R.T. -0.007 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

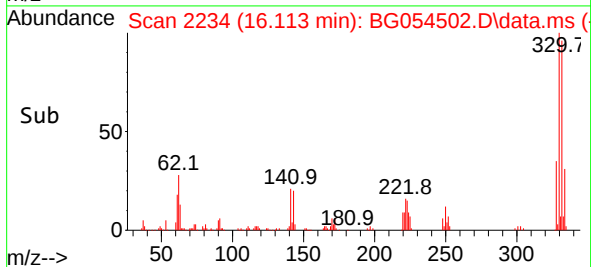
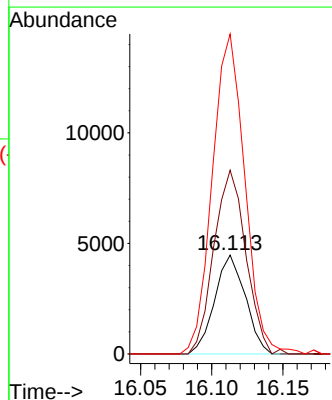
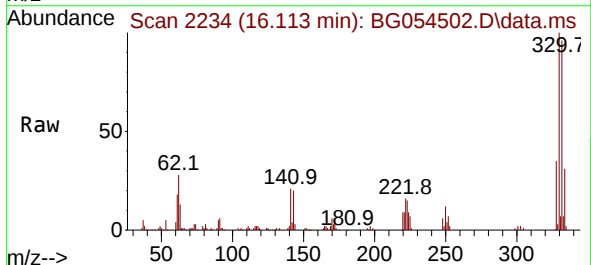
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

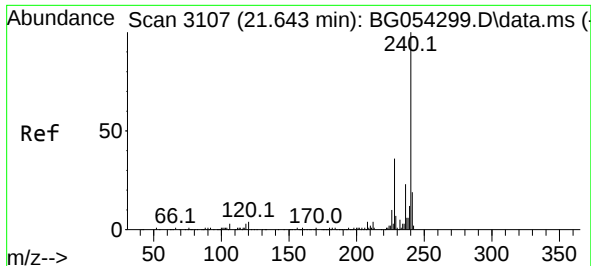
Tgt Ion:188 Resp: 138077  
Ion Ratio Lower Upper  
188 100  
94 3.9 5.4 8.0#  
80 4.5 6.8 10.2#



#67  
4-Bromophenyl-phenylether  
Concen: 3.465 ng  
RT: 16.113 min Scan# 2234  
Delta R.T. -0.442 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion:248 Resp: 6720  
Ion Ratio Lower Upper  
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250 185.7 75.2 112.8#  
141 323.3 50.0 75.0#

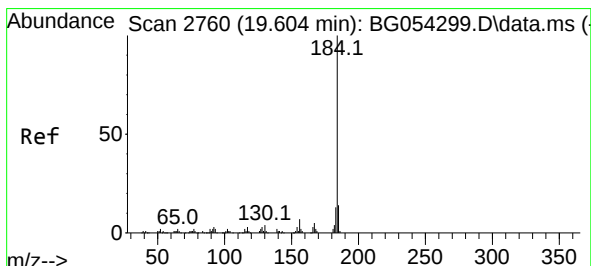
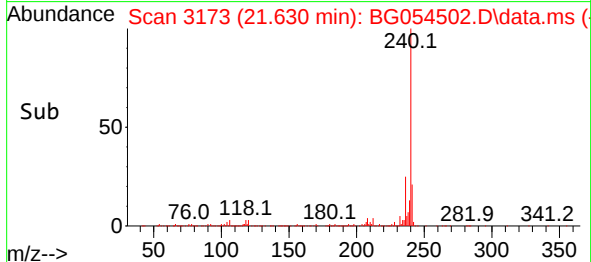
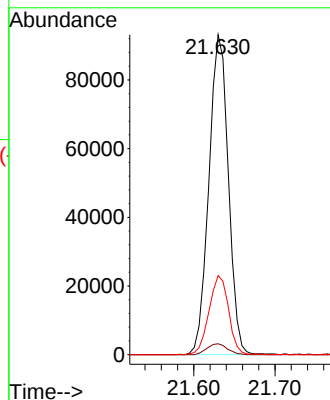
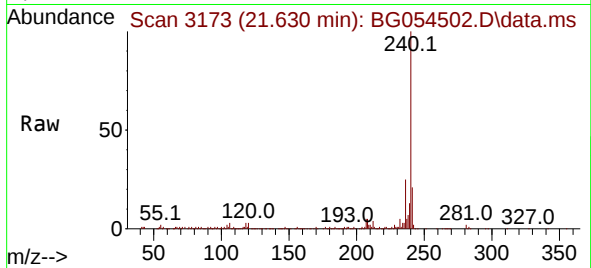




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.630 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

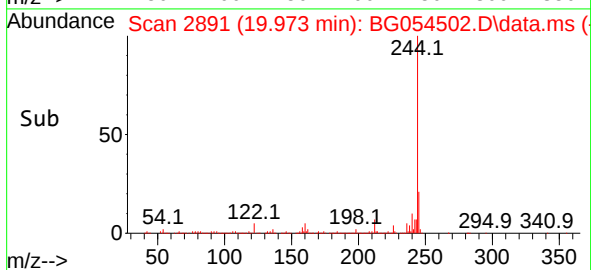
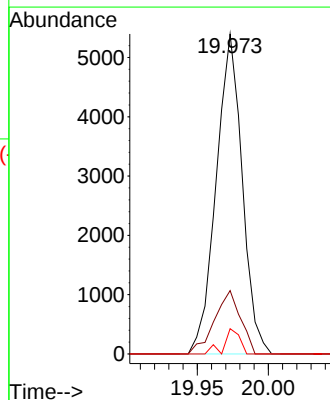
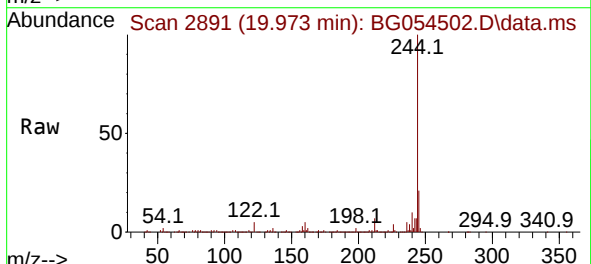
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D

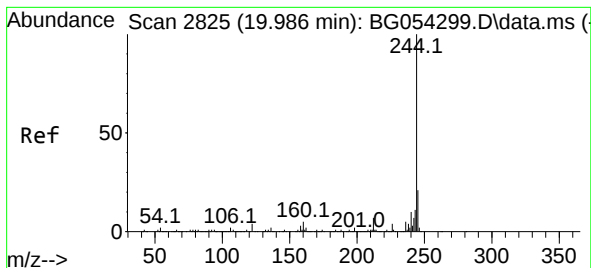
Tgt Ion:240 Resp: 154993  
Ion Ratio Lower Upper  
240 100  
120 3.4 4.6 7.0#  
236 24.7 20.2 30.4



#77  
Benzidine  
Concen: 2.445 ng  
RT: 19.973 min Scan# 2891  
Delta R.T. 0.375 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Tgt Ion:184 Resp: 6863  
Ion Ratio Lower Upper  
184 100  
185 19.8 11.8 17.6#  
183 7.9 8.9 13.3#





#79

Terphenyl-d14

Concen: 65.238 ng

RT: 19.973 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG054502.D

Acq: 3 Aug 2022 16:41

Instrument :

BNA\_G

ClientSampleId :

RVE-139D

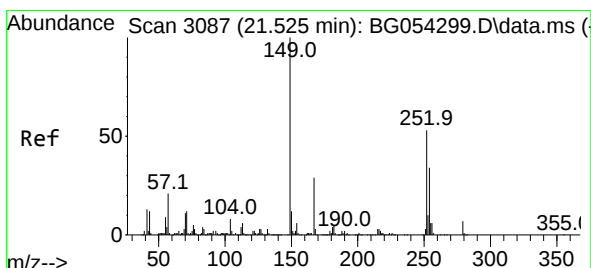
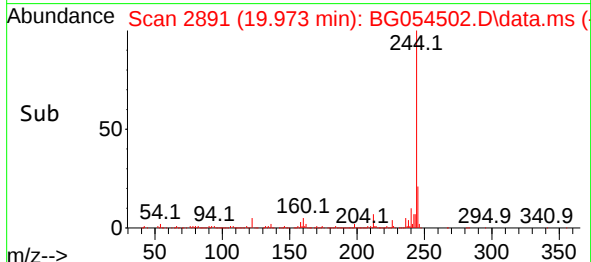
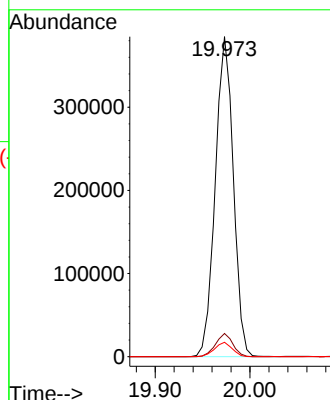
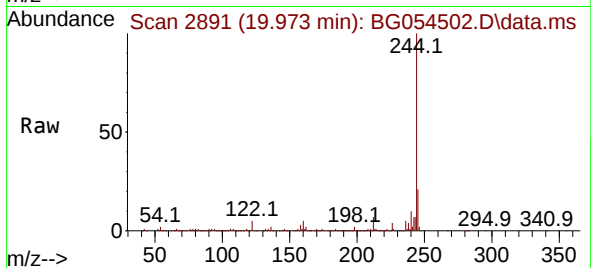
Tgt Ion:244 Resp: 509701

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 4.5 5.0 7.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.490 ng

RT: 21.507 min Scan# 3152

Delta R.T. -0.007 min

Lab File: BG054502.D

Acq: 3 Aug 2022 16:41

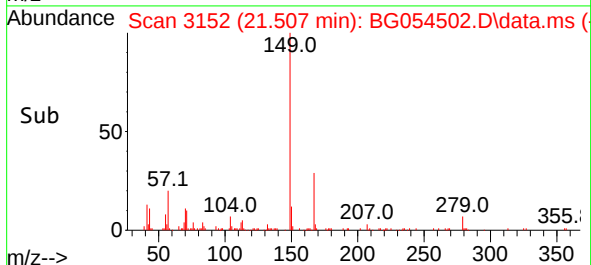
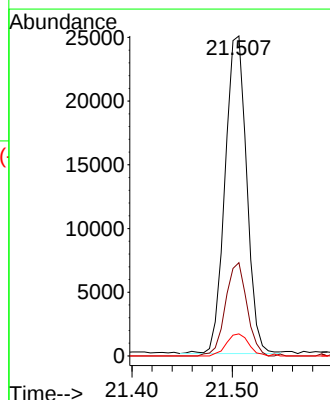
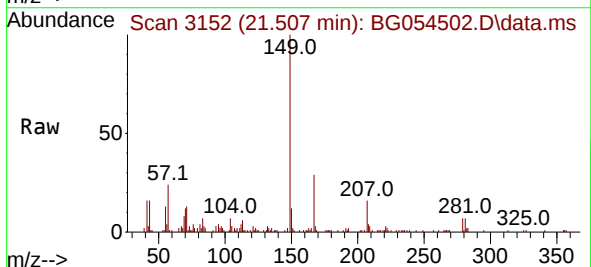
Tgt Ion:149 Resp: 37216

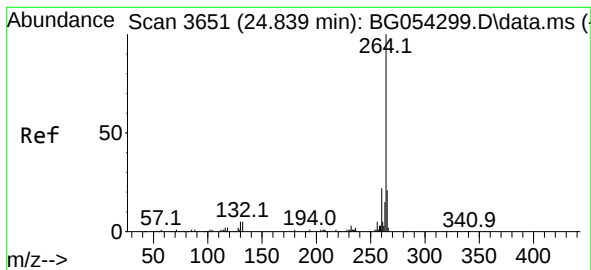
Ion Ratio Lower Upper

149 100

167 29.1 20.2 30.4

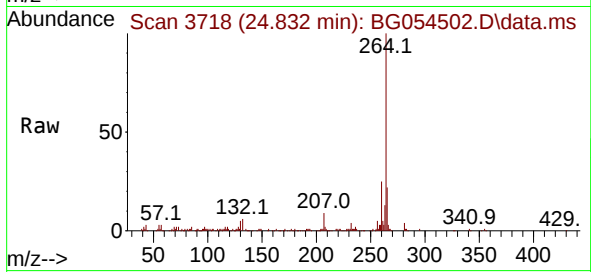
279 6.9 3.6 5.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.832 min Scan# 31  
Delta R.T. -0.001 min  
Lab File: BG054502.D  
Acq: 3 Aug 2022 16:41

Instrument :  
BNA\_G  
ClientSampleId :  
RVE-139D



Tgt Ion:264 Resp: 163449  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 19.0  | 28.6  |
| 265 | 21.6  | 17.4  | 26.2  |

