

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042822\  
 Data File : BF127980.D  
 Acq On : 28 Apr 2022 14:51  
 Operator : CG\JU  
 Sample : N2577-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GT-04-(10-15)

Quant Time: Apr 28 17:24:38 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 28 05:13:03 2022  
 Response via : Initial Calibration

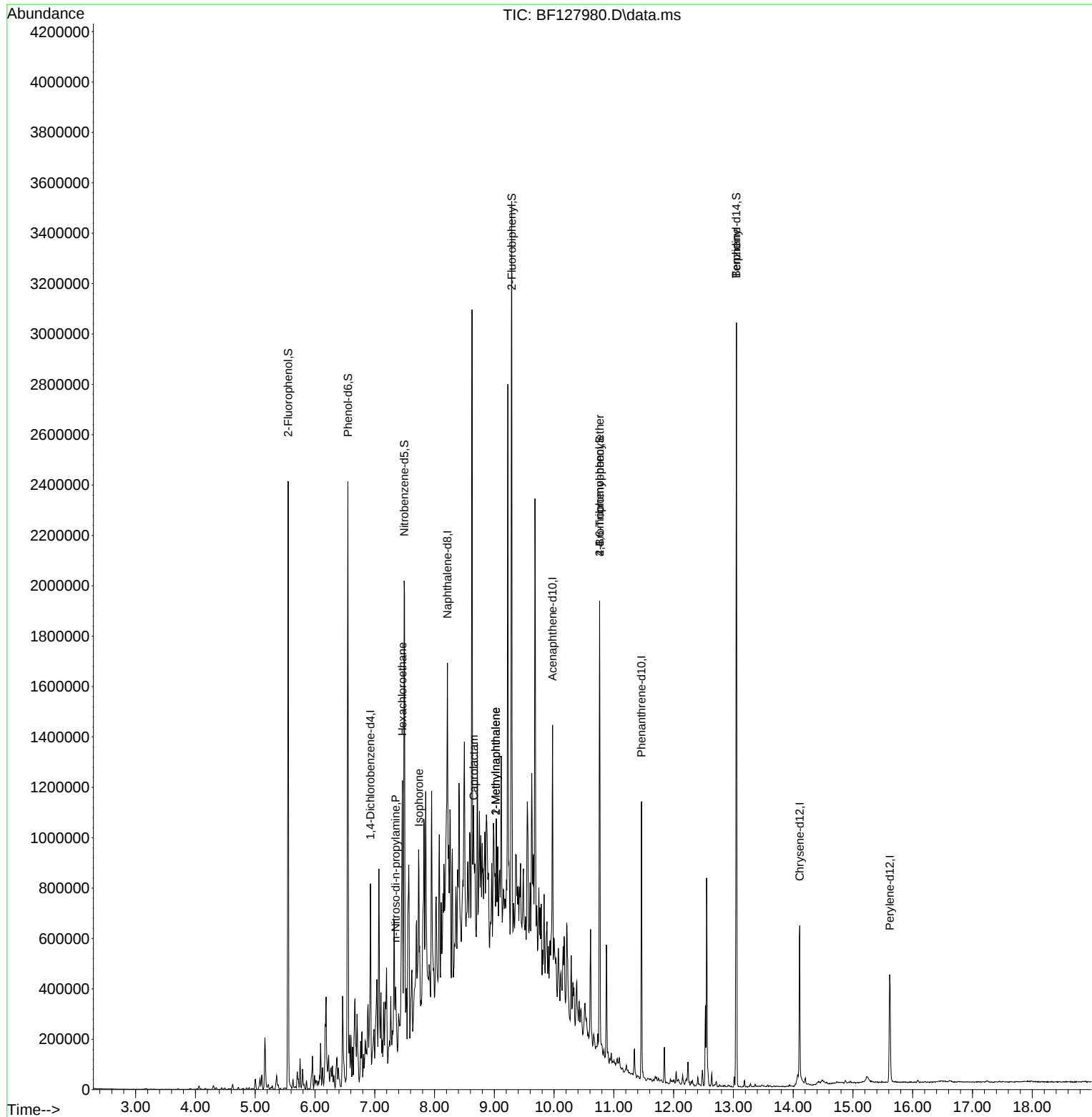
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.928  | 152  | 95778    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.216  | 136  | 341561   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.974  | 164  | 197311   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.463 | 188  | 374753   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.110 | 240  | 211276   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.615 | 264  | 211712   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.551  | 112  | 586084   | 97.465  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.551  | 99   | 790748   | 101.344 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.492  | 82   | 558650   | 76.912  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.763 | 330  | 200758   | 101.073 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.292  | 172  | 893911   | 76.644  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.051 | 244  | 1020804  | 88.349  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane          | 7.463  | 117  | 26094    | 9.898   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 13247    | 2.773   | ng    | # 68     |
| 25) Isophorone                | 7.739  | 82   | 37865    | 3.097   | ng    | # 1      |
| 35) Caprolactam               | 8.657  | 113  | 5106     | 3.048   | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 9.027  | 142  | 34098    | 2.966   | ng    | 88       |
| 38) 1-Methylnaphthalene       | 9.027  | 142  | 34098    | 3.051   | ng    | 92       |
| 67) 4-Bromophenyl-phenylether | 10.763 | 248  | 12575    | 3.027   | ng    | # 1      |
| 77) Benzidine                 | 13.051 | 184  | 14637    | 3.661   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

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

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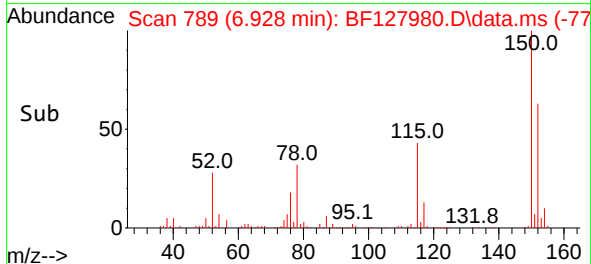
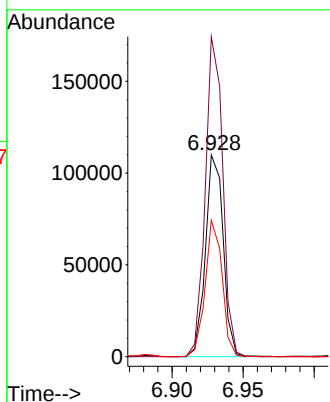
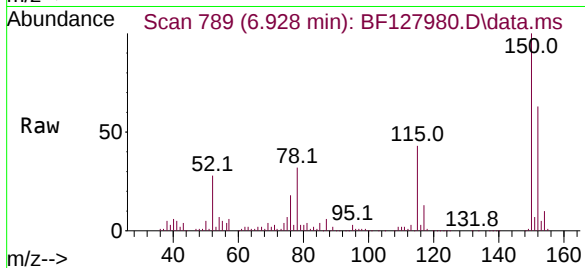




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.928 min Scan# 792  
Delta R.T. -0.006 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

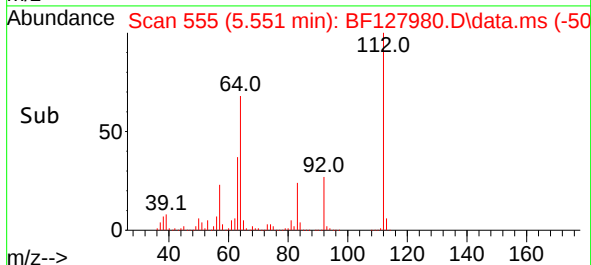
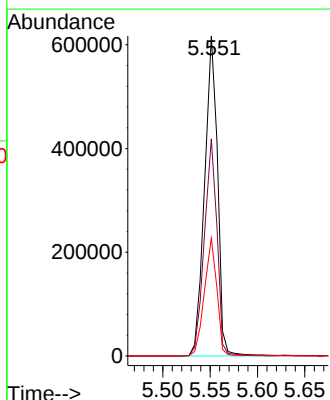
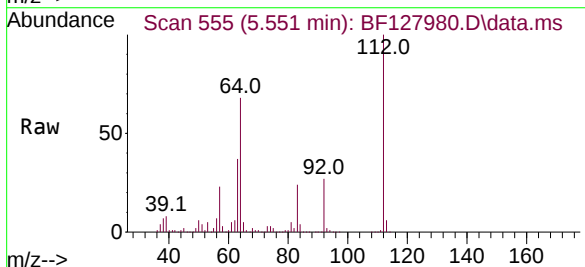
Instrument :  
BNA\_F  
ClientSampleId :  
GT-04-(10-15)

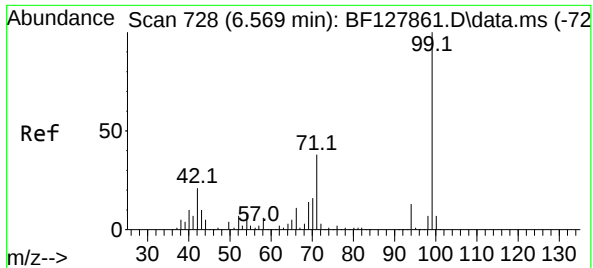
Tgt Ion:152 Resp: 95778  
Ion Ratio Lower Upper  
152 100  
150 158.6 125.3 187.9  
115 67.7 48.8 73.2



#5  
2-Fluorophenol  
Concen: 97.465 ng  
RT: 5.551 min Scan# 555  
Delta R.T. -0.000 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

Tgt Ion:112 Resp: 586084  
Ion Ratio Lower Upper  
112 100  
64 67.9 49.5 74.3  
63 36.9 26.3 39.5

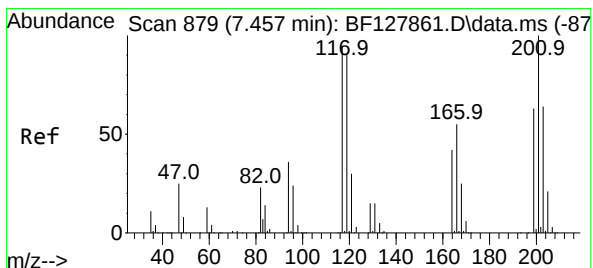
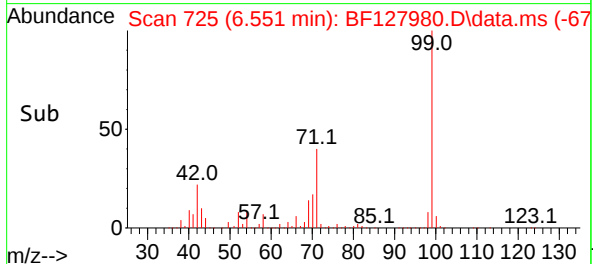
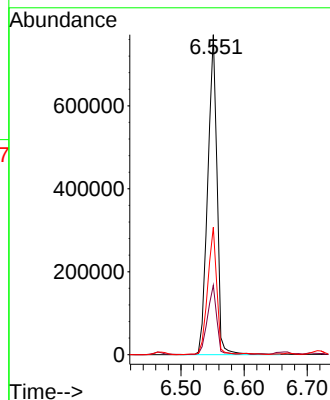
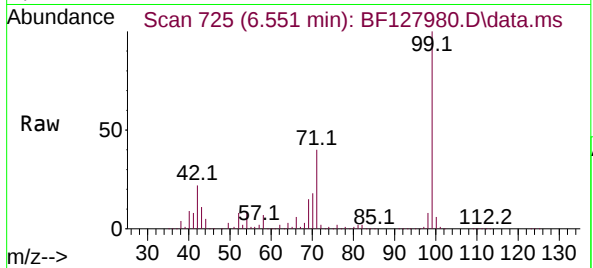




#7  
Phenol-d6  
Concen: 101.344 ng  
RT: 6.551 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

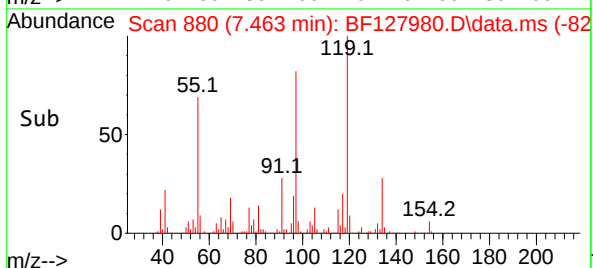
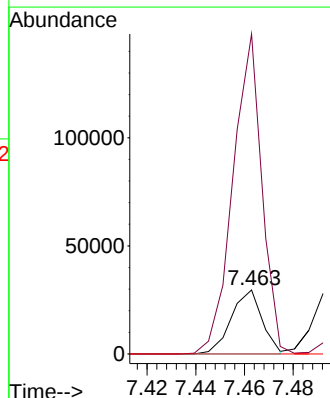
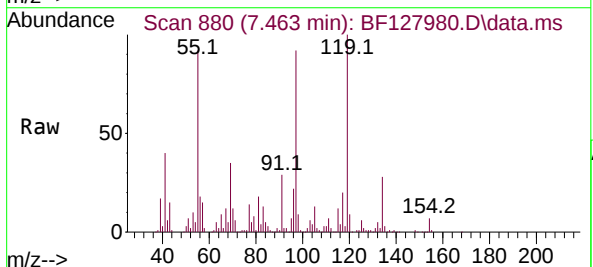
Instrument :  
BNA\_F  
ClientSampleId :  
GT-04-(10-15)

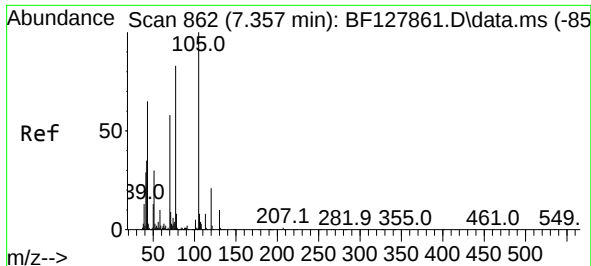
Tgt Ion: 99 Resp: 790748  
Ion Ratio Lower Upper  
99 100  
42 21.7 16.6 24.8  
71 39.8 30.0 45.0



#18  
Hexachloroethane  
Concen: 9.898 ng  
RT: 7.463 min Scan# 880  
Delta R.T. 0.018 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

Tgt Ion: 117 Resp: 26094  
Ion Ratio Lower Upper  
117 100  
119 499.6 76.2 114.4#  
201 0.0 84.4 126.6#



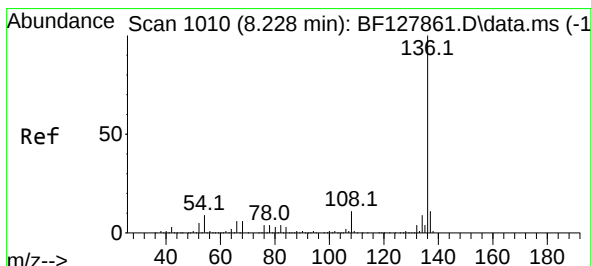
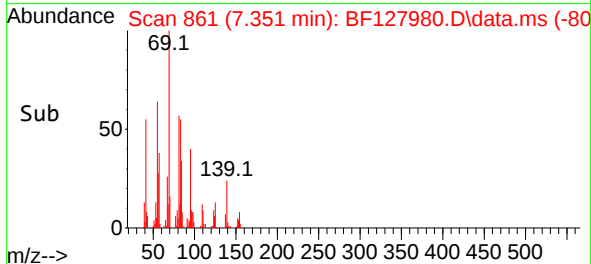
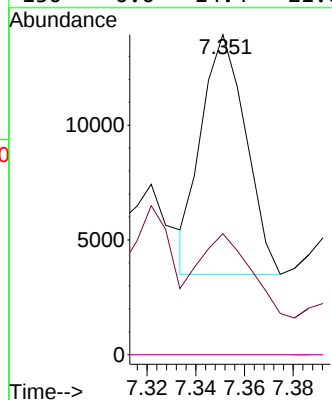
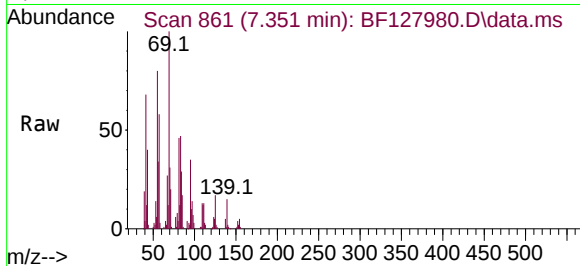


#19  
n-Nitroso-di-n-propylamine  
Concen: 2.773 ng  
RT: 7.351 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

Instrument :  
BNA\_F  
ClientSampleId :  
GT-04-(10-15)

Tgt Ion: 70 Resp: 13247

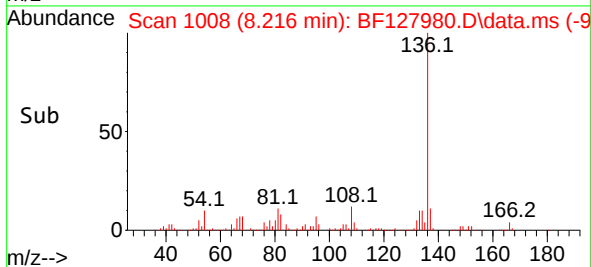
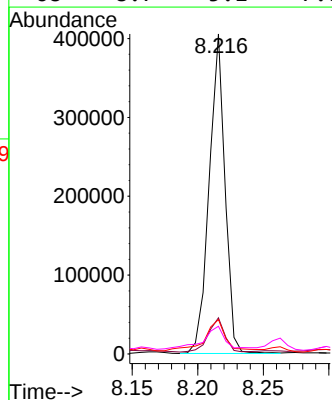
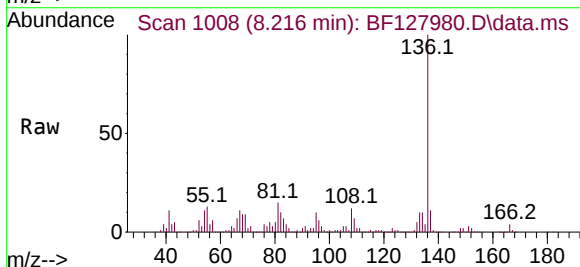
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 37.8  | 48.7  | 73.1# |
| 101 | 0.0   | 7.2   | 10.8# |
| 130 | 0.0   | 14.4  | 21.6# |

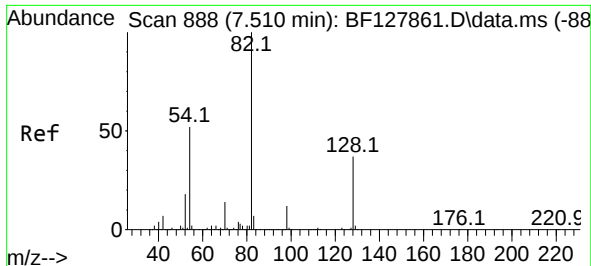


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.216 min Scan# 1008  
Delta R.T. -0.000 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

Tgt Ion: 136 Resp: 341561

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.6   | 13.0  |
| 54  | 10.7  | 6.8   | 10.2# |
| 68  | 8.7   | 5.1   | 7.7#  |





#23

Nitrobenzene-d5

Concen: 76.912 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

Instrument :

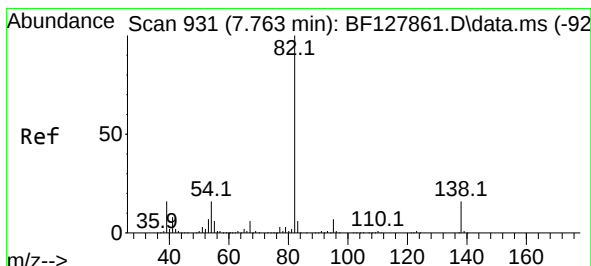
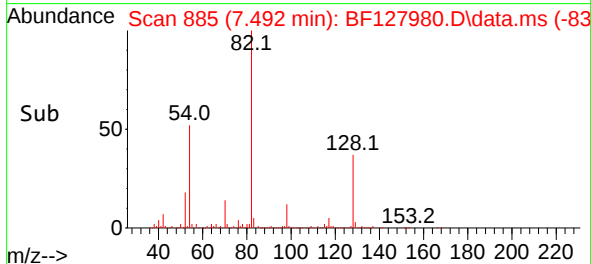
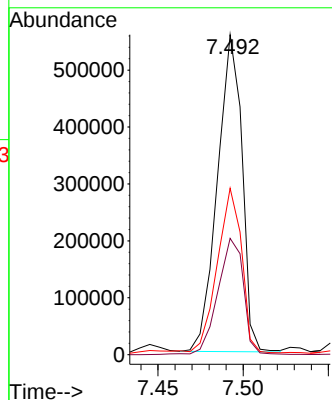
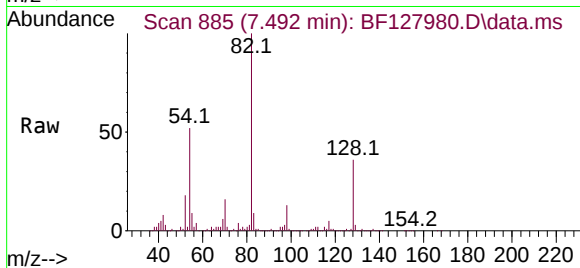
BNA\_F

ClientSampleId :

GT-04-(10-15)

Tgt Ion: 82 Resp: 558650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.4  | 30.0  | 45.0  |
| 54  | 52.0  | 41.3  | 61.9  |



#25

Isophorone

Concen: 3.097 ng

RT: 7.739 min Scan# 927

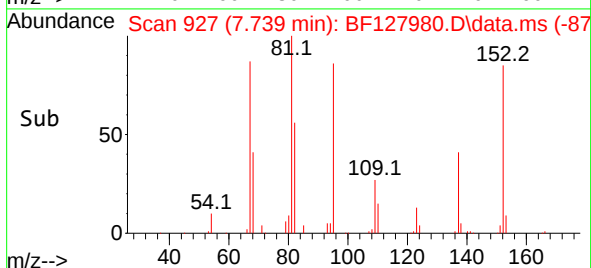
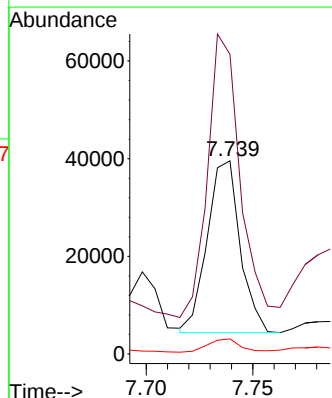
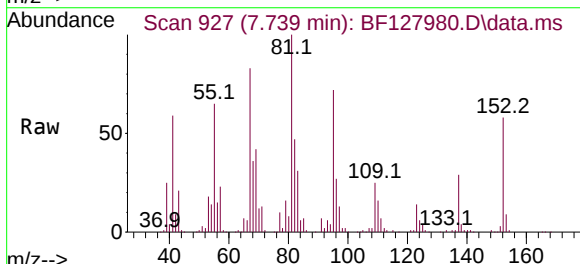
Delta R.T. -0.018 min

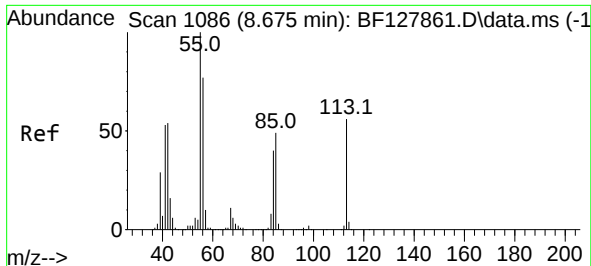
Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

Tgt Ion: 82 Resp: 37865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 155.1 | 5.6   | 8.4#  |
| 138 | 7.8   | 12.5  | 18.7# |

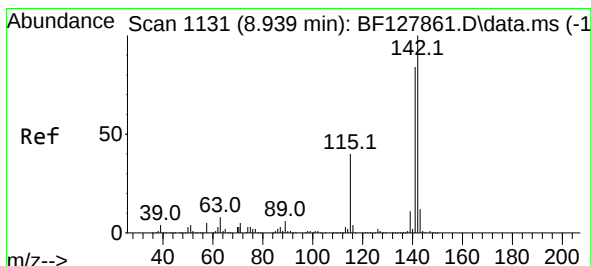
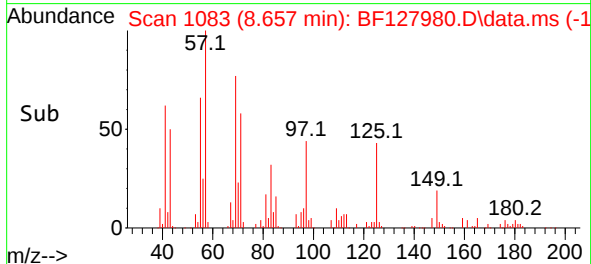
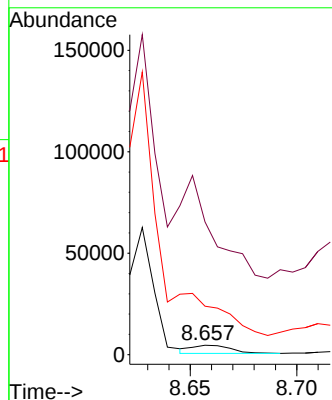
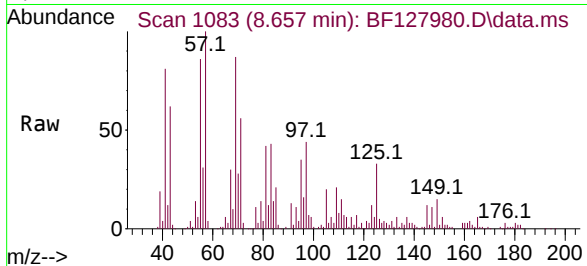




#35  
 Caprolactam  
 Concen: 3.048 ng  
 RT: 8.657 min Scan# 1106  
 Delta R.T. -0.012 min  
 Lab File: BF127980.D  
 Acq: 28 Apr 2022 14:51

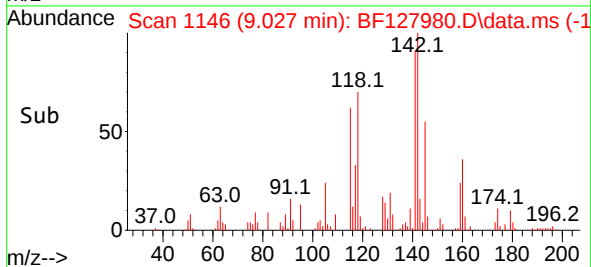
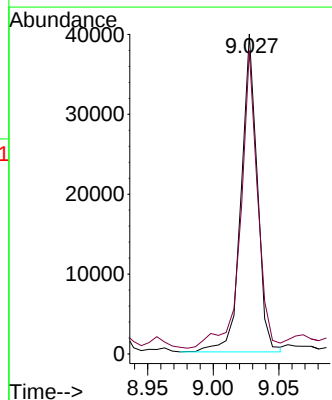
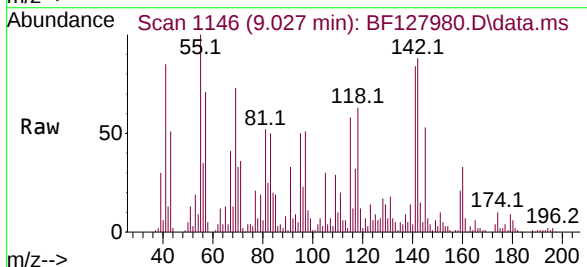
Instrument :  
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 GT-04-(10-15)

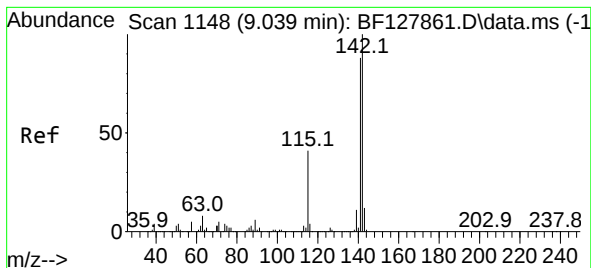
Tgt Ion:113 Resp: 5106  
 Ion Ratio Lower Upper  
 113 100  
 55 1395.3 157.4 197.4#  
 56 510.1 116.1 156.1#



#37  
 2-Methylnaphthalene  
 Concen: 2.966 ng  
 RT: 9.027 min Scan# 1146  
 Delta R.T. 0.094 min  
 Lab File: BF127980.D  
 Acq: 28 Apr 2022 14:51

Tgt Ion:142 Resp: 34098  
 Ion Ratio Lower Upper  
 142 100  
 141 94.8 67.4 101.2





#38

1-Methylnaphthalene

Concen: 3.051 ng

RT: 9.027 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

Instrument :

BNA\_F

ClientSampleId :

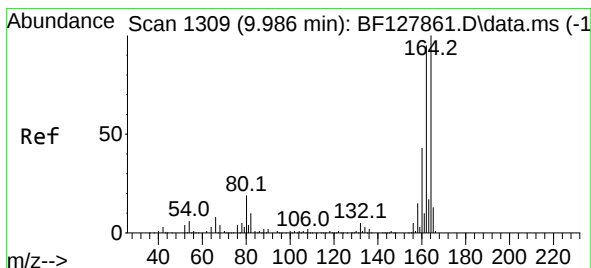
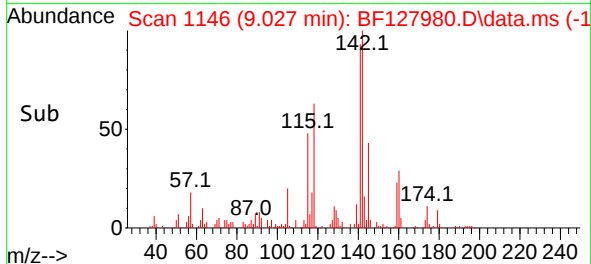
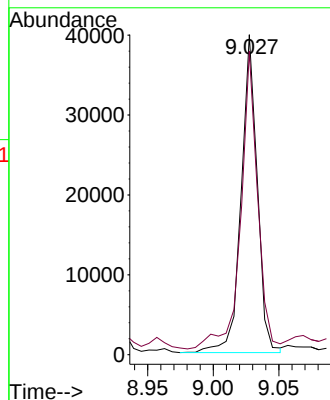
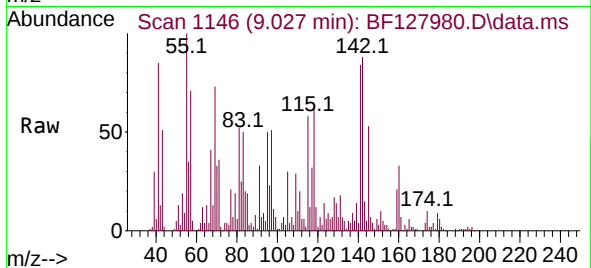
GT-04-(10-15)

Tgt Ion:142 Resp: 34098

Ion Ratio Lower Upper

142 100

141 94.8 70.1 105.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.974 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

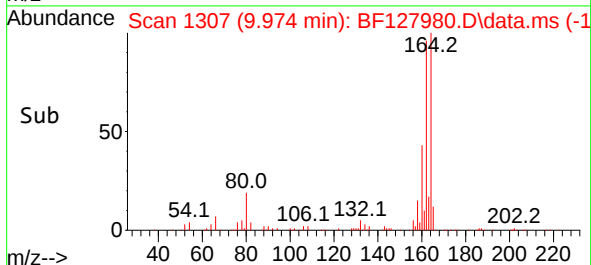
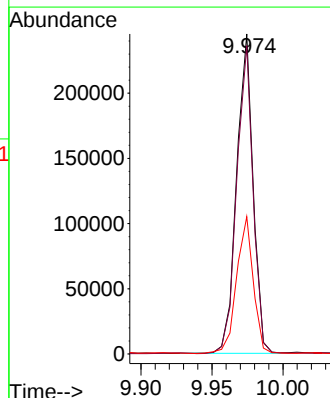
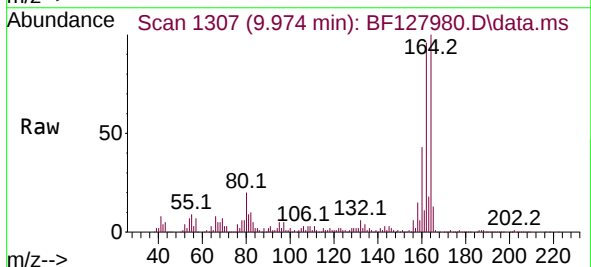
Tgt Ion:164 Resp: 197311

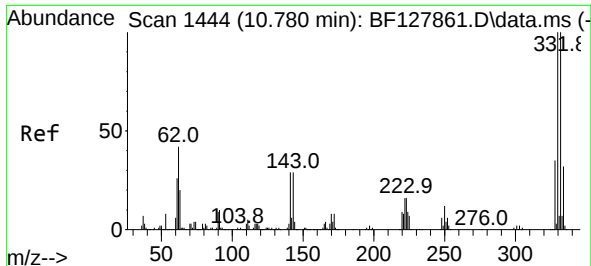
Ion Ratio Lower Upper

164 100

162 96.4 76.0 114.0

160 42.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 101.073 ng

RT: 10.763 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

Instrument :

BNA\_F

ClientSampleId :

GT-04-(10-15)

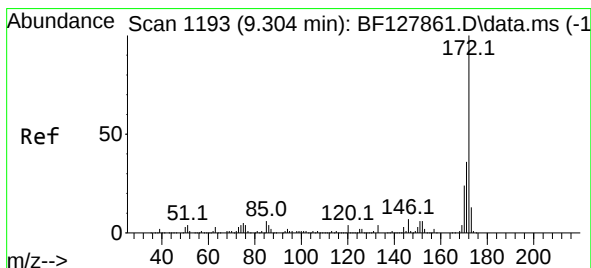
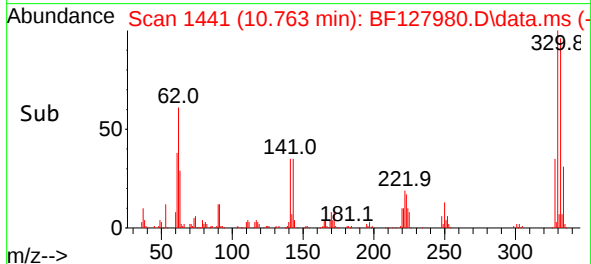
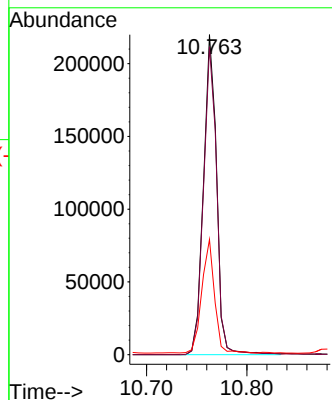
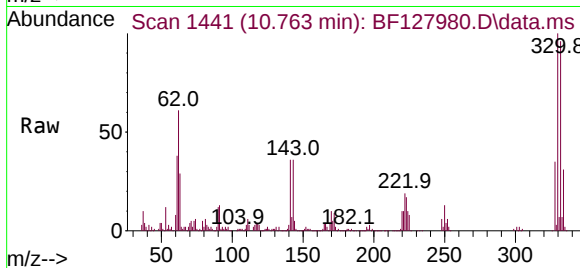
Tgt Ion:330 Resp: 200758

Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.4

141 34.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 76.644 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

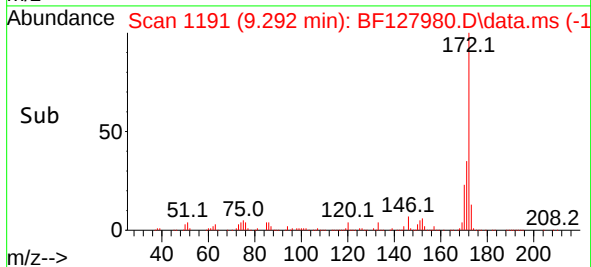
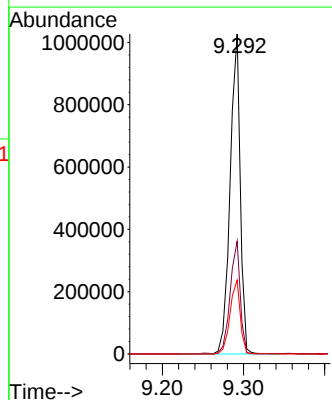
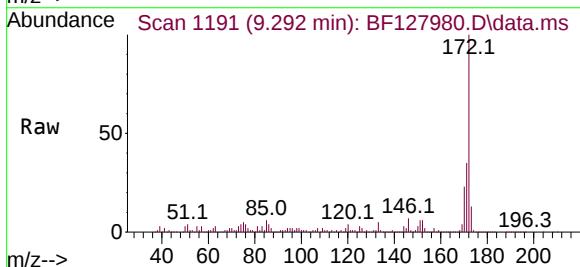
Tgt Ion:172 Resp: 893911

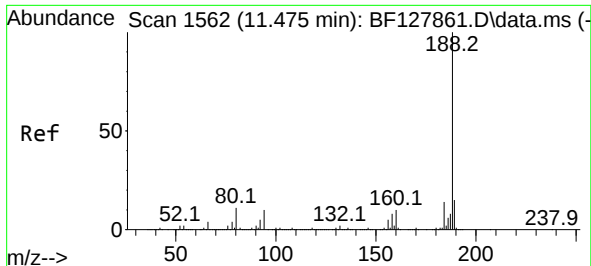
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 19.1 28.7

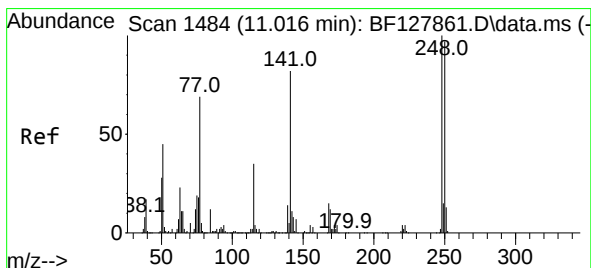
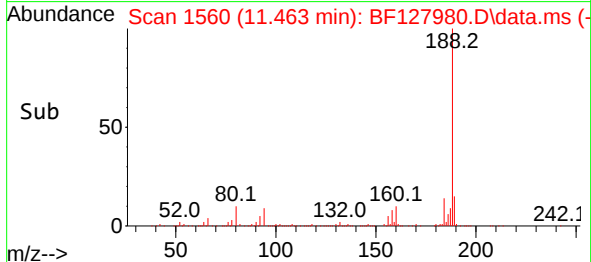
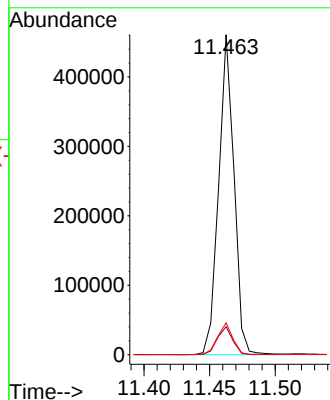
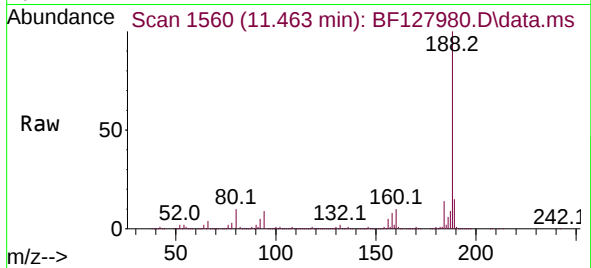




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.463 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

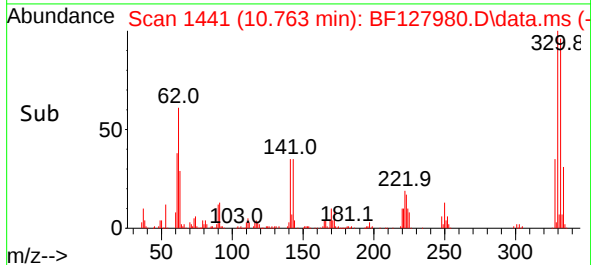
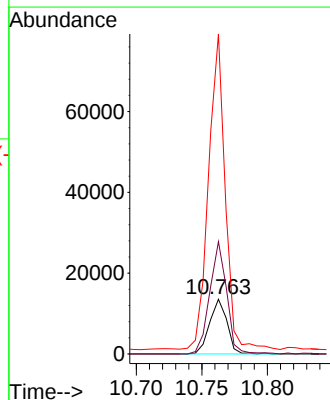
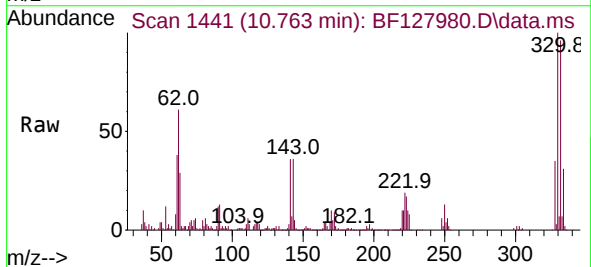
Instrument :  
BNA\_F  
ClientSampleId :  
GT-04-(10-15)

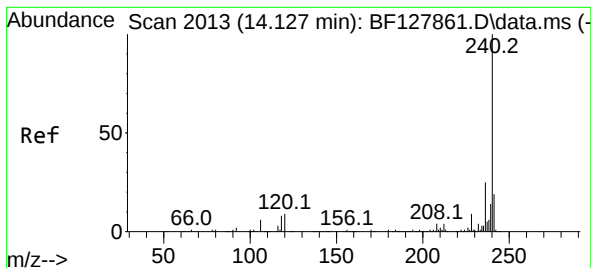
Tgt Ion:188 Resp: 374753  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.0 12.0  
80 10.0 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.027 ng  
RT: 10.763 min Scan# 1441  
Delta R.T. -0.247 min  
Lab File: BF127980.D  
Acq: 28 Apr 2022 14:51

Tgt Ion:248 Resp: 12575  
Ion Ratio Lower Upper  
248 100  
250 205.2 77.7 116.5#  
141 584.9 65.6 98.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

Instrument :

BNA\_F

ClientSampleId :

GT-04-(10-15)

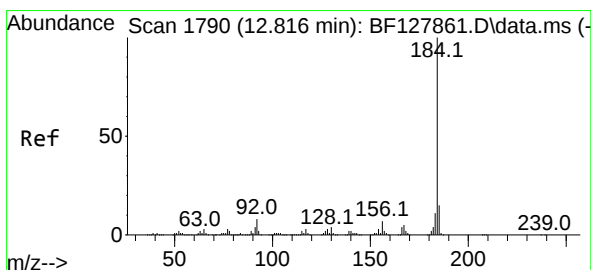
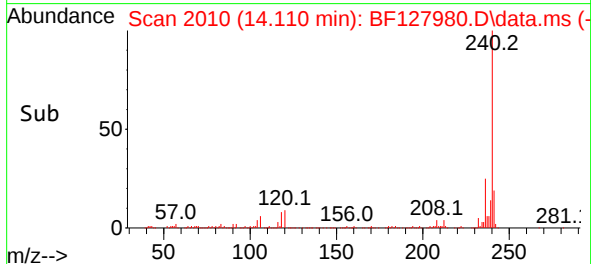
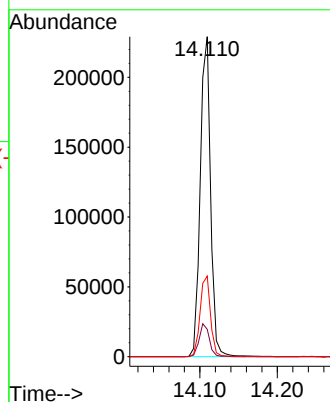
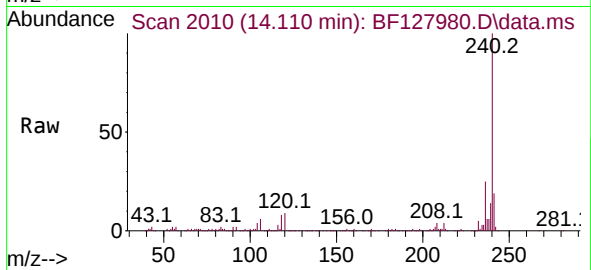
Tgt Ion:240 Resp: 211276

Ion Ratio Lower Upper

240 100

120 8.6 7.0 10.6

236 25.2 20.3 30.5



#77

Benzidine

Concen: 3.661 ng

RT: 13.051 min Scan# 1830

Delta R.T. 0.247 min

Lab File: BF127980.D

Acq: 28 Apr 2022 14:51

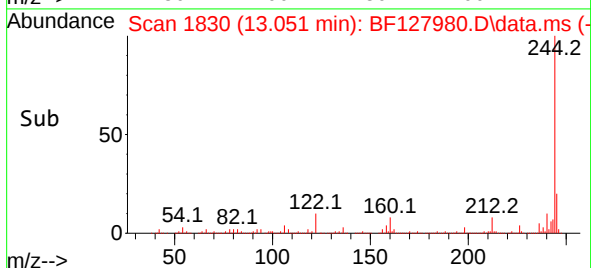
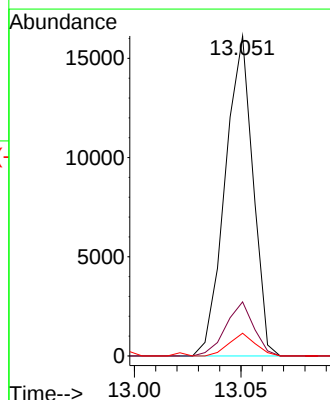
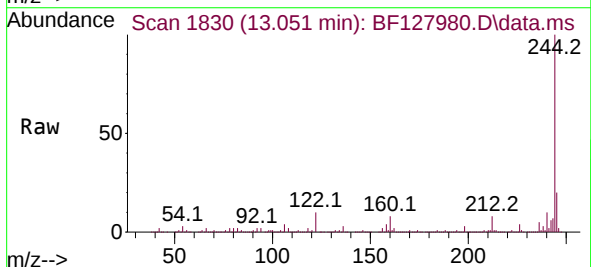
Tgt Ion:184 Resp: 14637

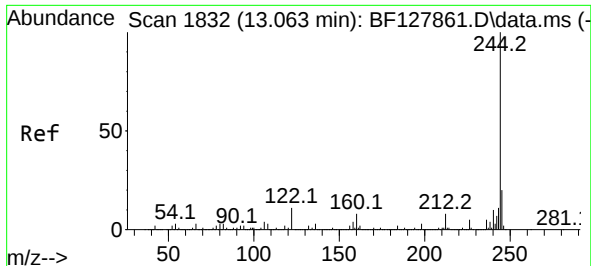
Ion Ratio Lower Upper

184 100

185 16.9 12.1 18.1

183 7.1 9.0 13.4#

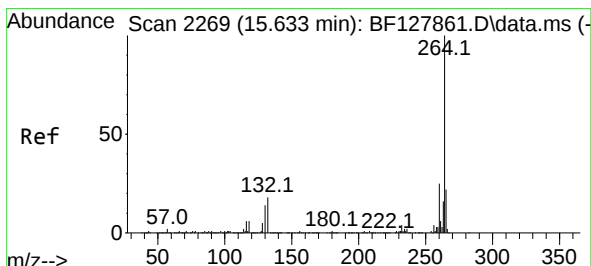
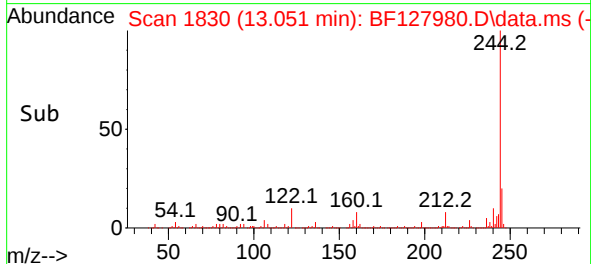
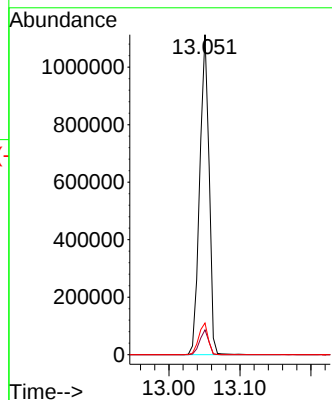
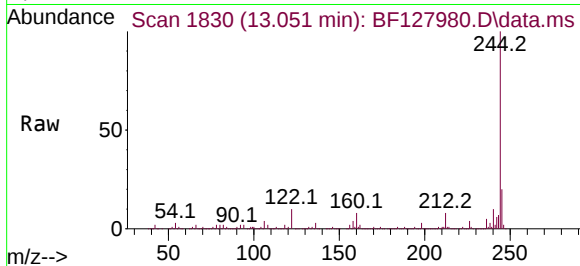




#79  
 Terphenyl-d14  
 Concen: 88.349 ng  
 RT: 13.051 min Scan# 1830  
 Delta R.T. -0.006 min  
 Lab File: BF127980.D  
 Acq: 28 Apr 2022 14:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GT-04-(10-15)

Tgt Ion:244 Resp: 1020804  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.4  
 122 9.9 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.615 min Scan# 2266  
 Delta R.T. -0.006 min  
 Lab File: BF127980.D  
 Acq: 28 Apr 2022 14:51

Tgt Ion:264 Resp: 211712  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 20.1 30.1  
 265 21.7 17.5 26.3

