

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081722\  
 Data File : BF129852.D  
 Acq On : 17 Aug 2022 19:38  
 Operator : CG\JU  
 Sample : N4188-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S3

Quant Time: Aug 18 05:35:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 18 05:28:24 2022  
 Response via : Initial Calibration

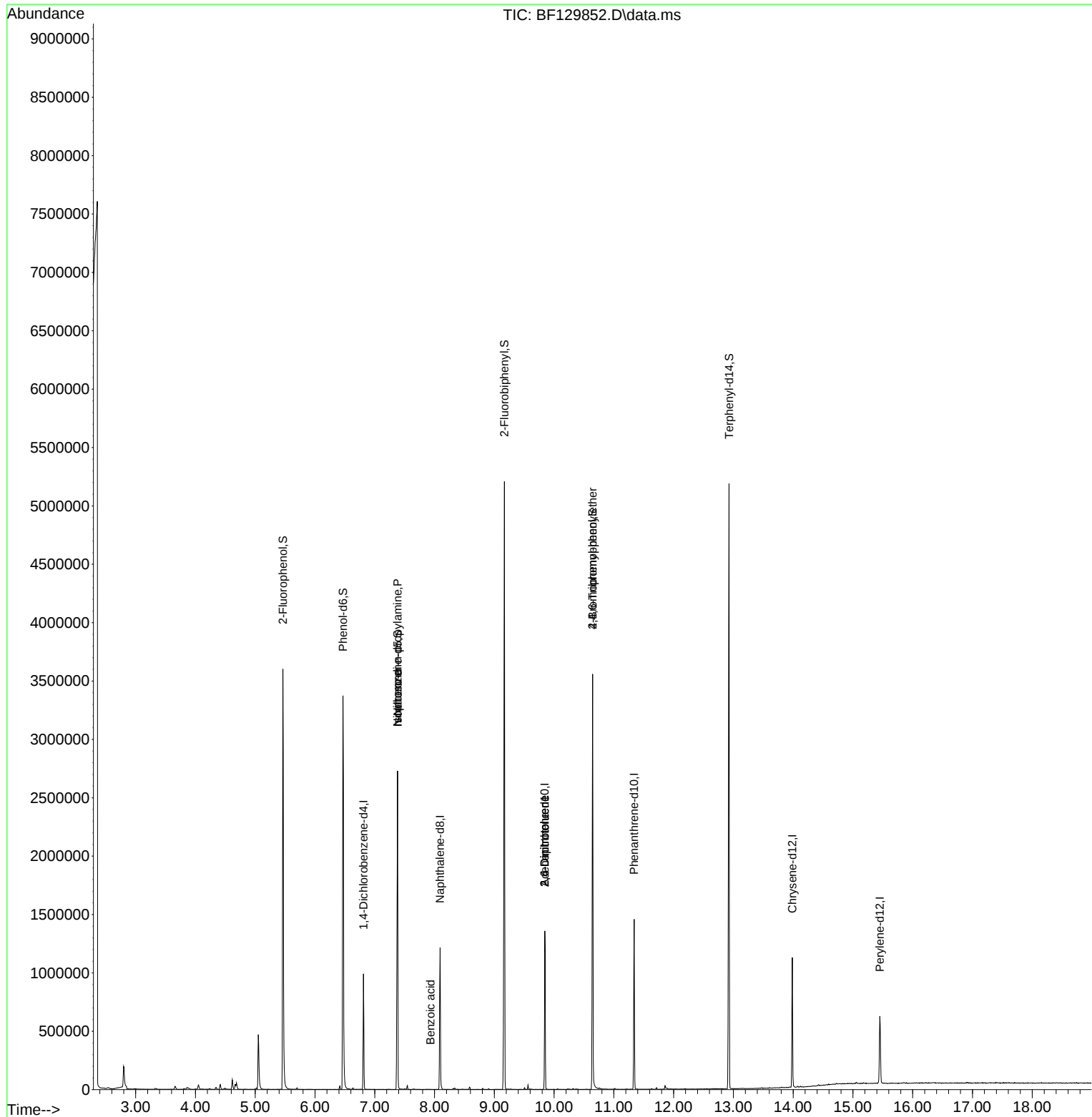
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 131295   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.092  | 136  | 527080   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 282924   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 482086   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 344333   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 253191   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 1025433  | 129.313   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.469  | 99   | 1204171  | 121.261   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 874822   | 88.850    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 404832   | 142.568   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 1578221  | 84.723    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1690012  | 81.667    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.334  | 77   | 59       | Below Cal | #      | 27       |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 117783   | 18.765    | ng     | # 75     |
| 25) Isophorone                | 7.381  | 82   | 874812   | 51.622    | ng     | # 65     |
| 32) Benzoic acid              | 7.934  | 122  | 134      | 2.205     | ng     | # 41     |
| 51) 2,6-Dinitrotoluene        | 9.845  | 165  | 36374    | 8.268     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.845  | 165  | 36374    | 6.369     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 25093    | 4.444     | ng     | # 1      |
| 77) Benzidine                 | 12.927 | 184  | 23512    | Below Cal | #      | 94       |
| -----                         |        |      |          |           |        |          |

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

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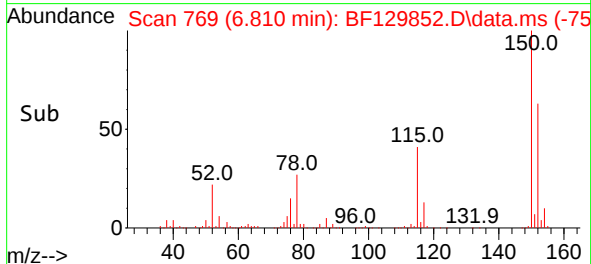
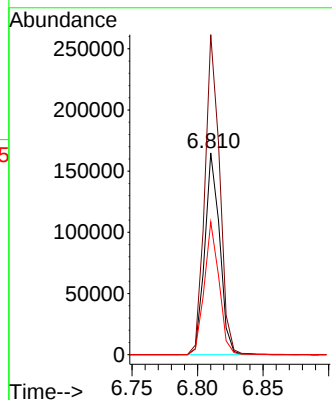
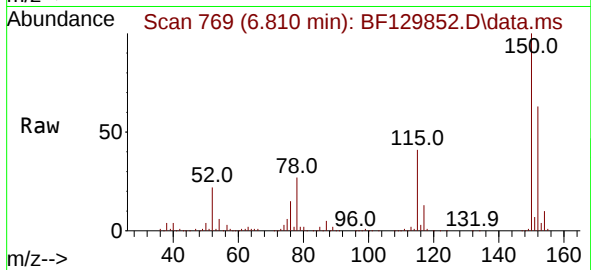




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

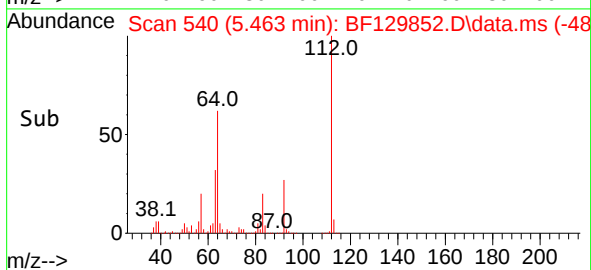
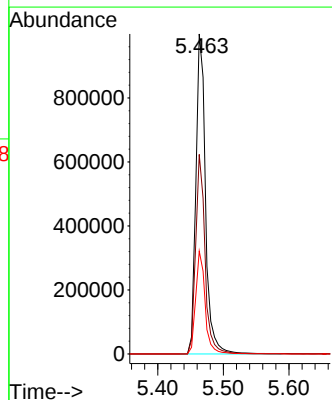
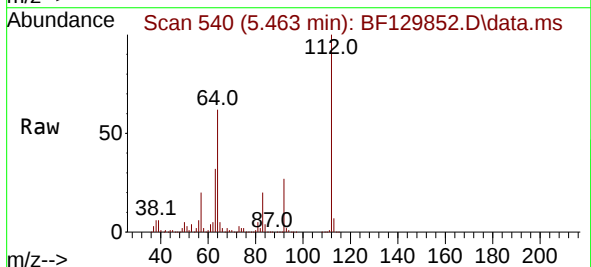
Instrument :  
BNA\_F  
ClientSampleId :  
S3

Tgt Ion:152 Resp: 131295  
Ion Ratio Lower Upper  
152 100  
150 158.6 126.9 190.3  
115 65.8 53.4 80.0



#5  
2-Fluorophenol  
Concen: 129.313 ng  
RT: 5.463 min Scan# 540  
Delta R.T. 0.012 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

Tgt Ion:112 Resp: 1025433  
Ion Ratio Lower Upper  
112 100  
64 62.4 47.6 71.4  
63 32.2 24.6 37.0

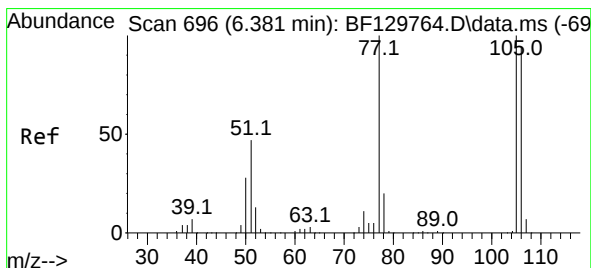
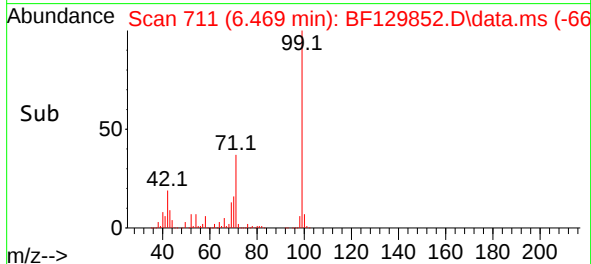
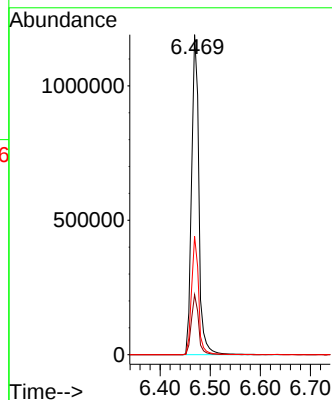
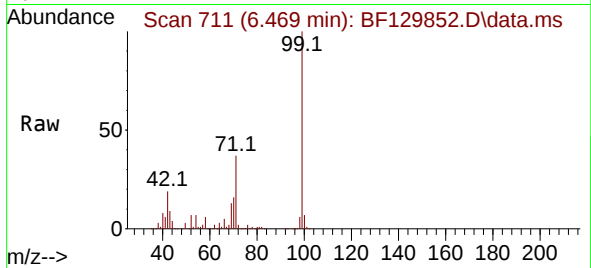




#7  
Phenol-d6  
Concen: 121.261 ng  
RT: 6.469 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

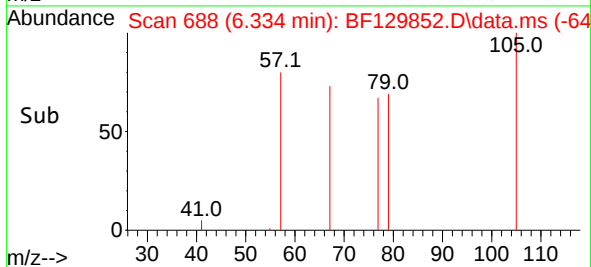
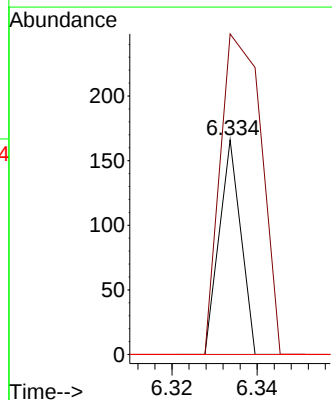
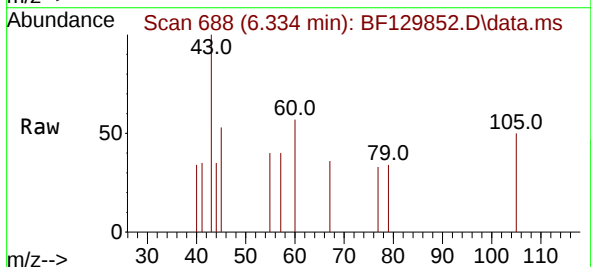
Instrument :  
BNA\_F  
ClientSampleId :  
S3

Tgt Ion: 99 Resp: 1204171  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.0 22.4  
71 36.9 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.334 min Scan# 688  
Delta R.T. -0.035 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

Tgt Ion: 77 Resp: 59  
Ion Ratio Lower Upper  
77 100  
105 149.4 80.3 120.3#  
106 0.0 74.3 114.3#

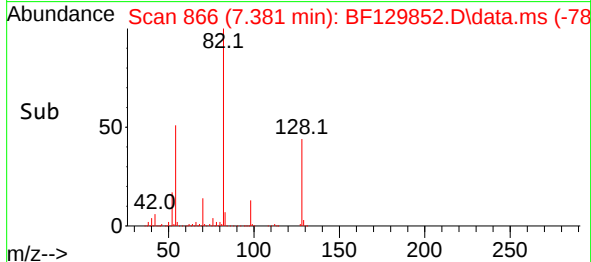
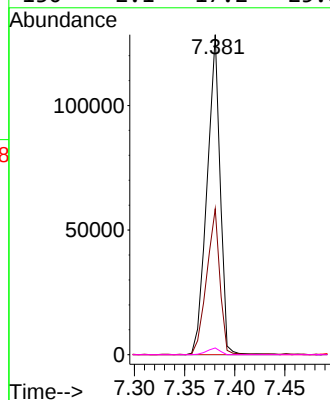
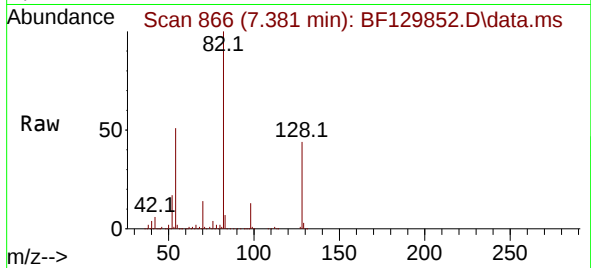




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.765 ng  
RT: 7.381 min Scan# 80  
Delta R.T. 0.153 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

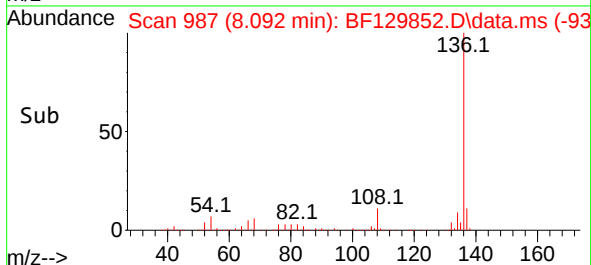
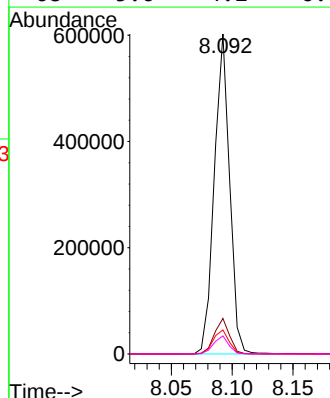
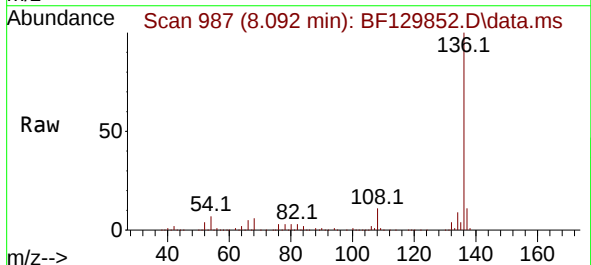
Instrument :  
BNA\_F  
ClientSampleId :  
S3

Tgt Ion: 70 Resp: 117783  
Ion Ratio Lower Upper  
70 100  
42 45.6 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.1 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

Tgt Ion: 136 Resp: 527080  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 7.5 6.2 9.2  
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 88.850 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

Instrument :

BNA\_F

ClientSampleId :

S3

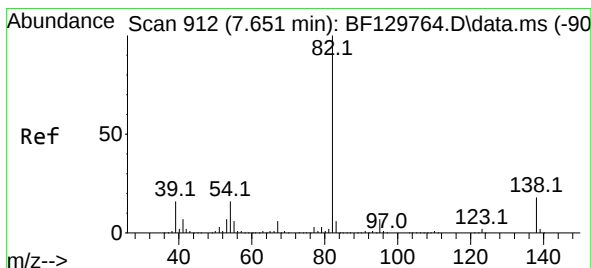
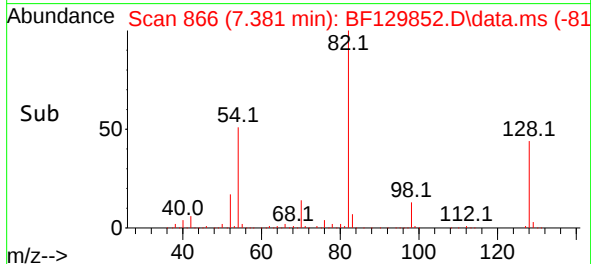
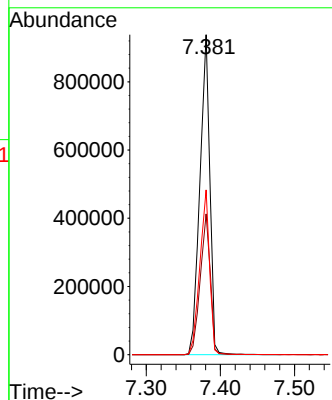
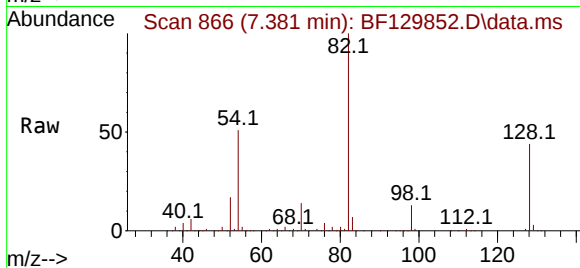
Tgt Ion: 82 Resp: 874822

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

54 51.5 40.0 60.0



#25

Isophorone

Concen: 51.622 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.259 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

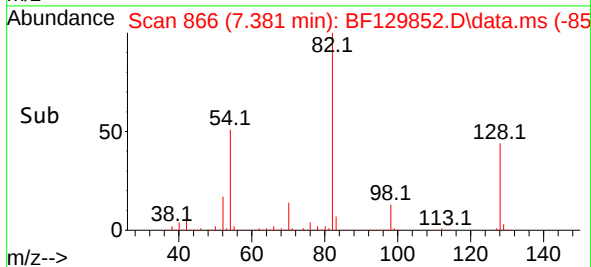
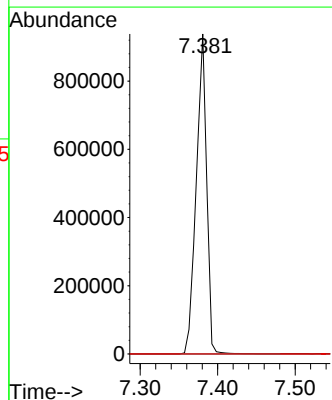
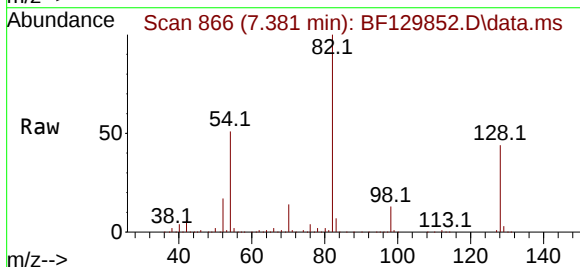
Tgt Ion: 82 Resp: 874812

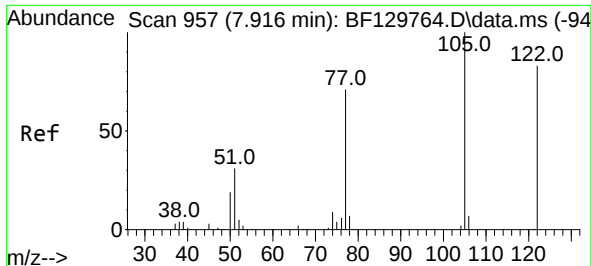
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

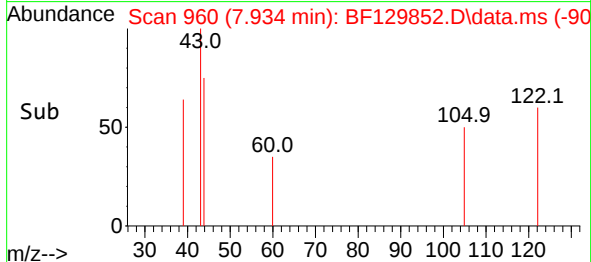
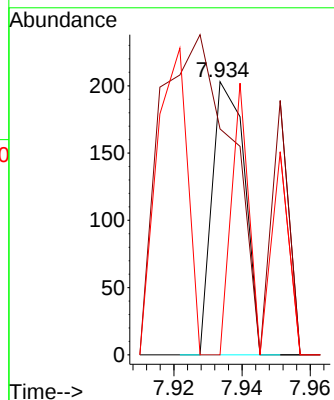
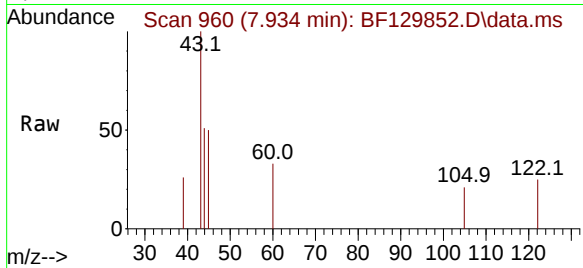




#32  
Benzoic acid  
Concen: 2.205 ng  
RT: 7.934 min Scan# 90  
Delta R.T. 0.035 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

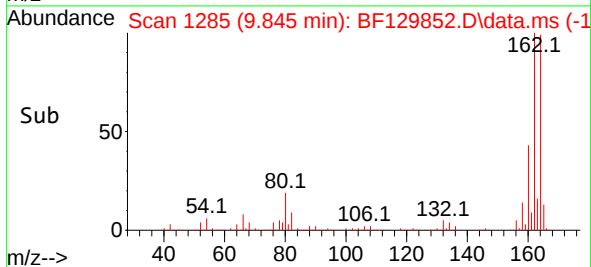
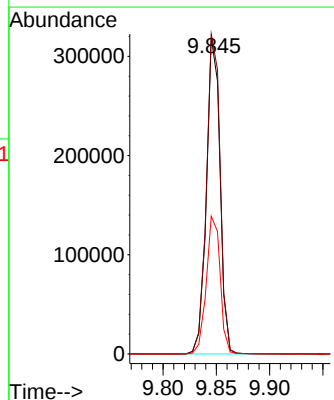
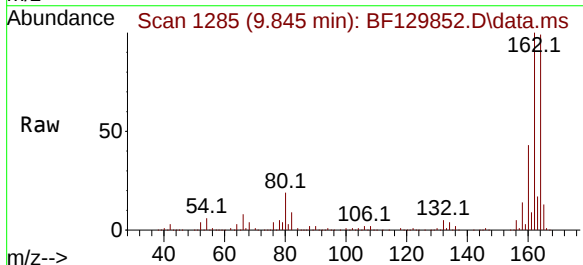
Instrument :  
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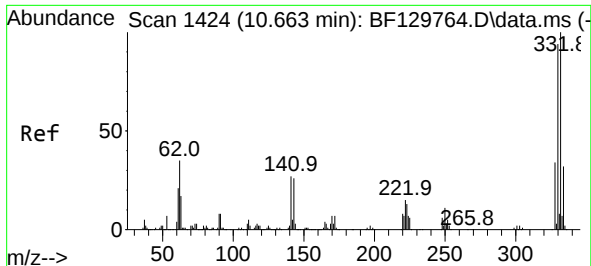
Tgt Ion:122 Resp: 134  
Ion Ratio Lower Upper  
122 100  
105 82.8 99.9 139.9#  
77 0.0 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.845 min Scan# 1285  
Delta R.T. -0.006 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

Tgt Ion:164 Resp: 282924  
Ion Ratio Lower Upper  
164 100  
162 101.1 82.0 123.0  
160 43.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 142.568 ng

RT: 10.645 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

Instrument :

BNA\_F

ClientSampleId :

S3

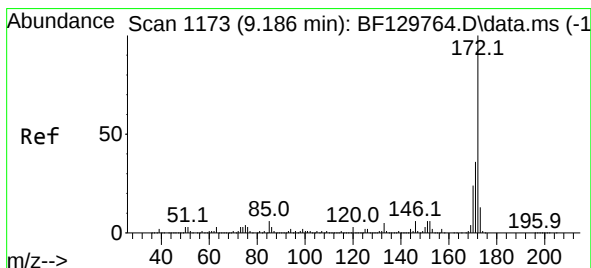
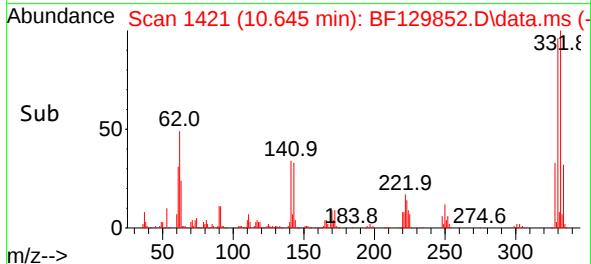
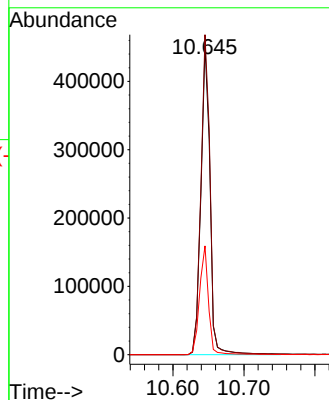
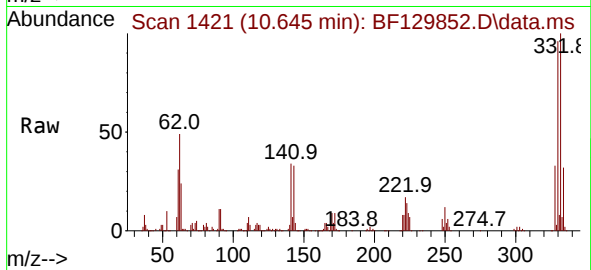
Tgt Ion:330 Resp: 404832

Ion Ratio Lower Upper

330 100

332 104.4 82.6 124.0

141 34.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 84.723 ng

RT: 9.169 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

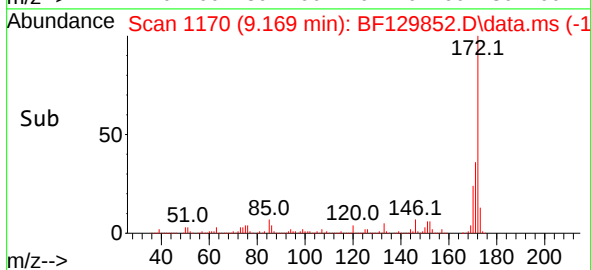
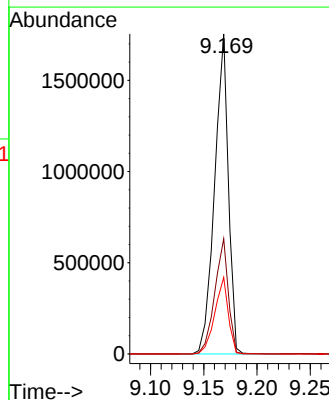
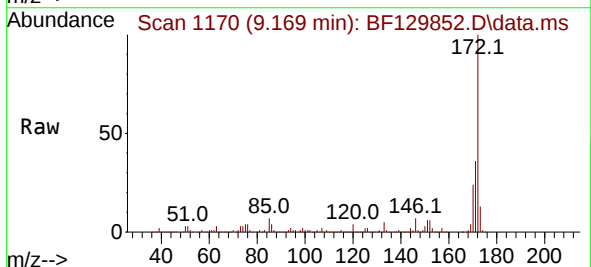
Tgt Ion:172 Resp: 1578221

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.9 19.1 28.7

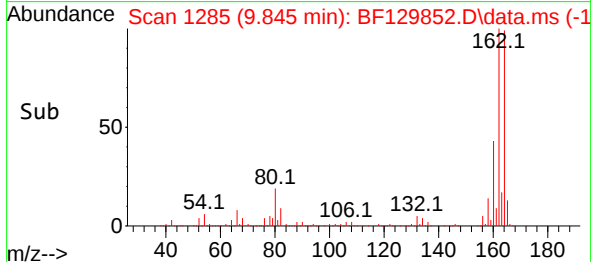
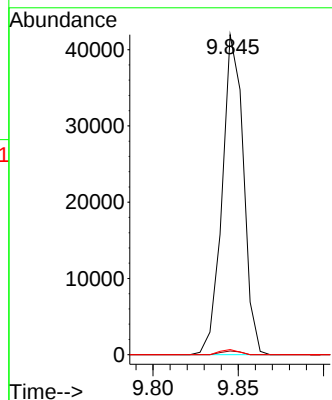
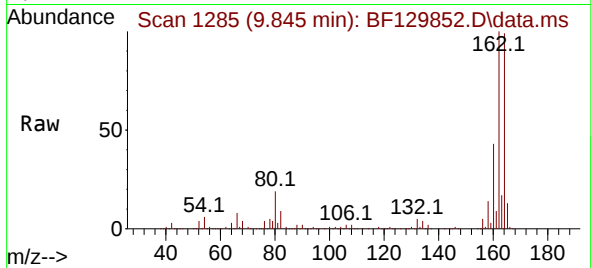




#51  
2,6-Dinitrotoluene  
Concen: 8.268 ng  
RT: 9.845 min Scan# 1285  
Delta R.T. 0.200 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

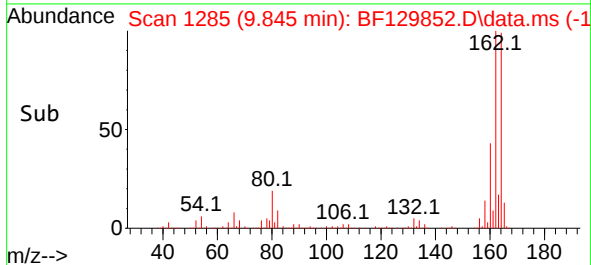
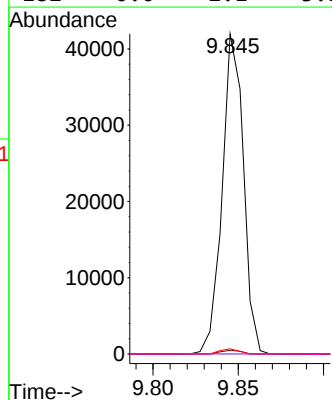
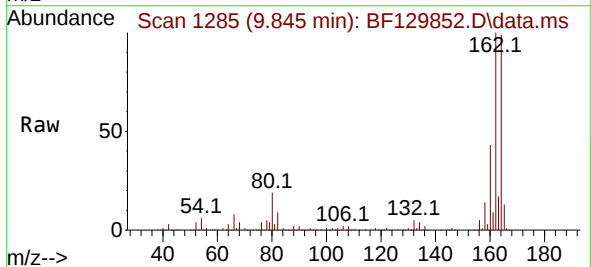
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BNA\_F  
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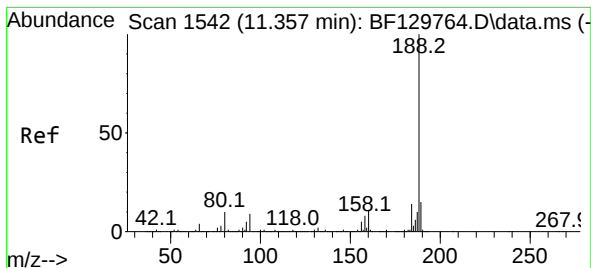
Tgt Ion:165 Resp: 36374  
Ion Ratio Lower Upper  
165 100  
63 1.2 47.8 71.8#  
89 1.6 47.2 70.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.369 ng  
RT: 9.845 min Scan# 1285  
Delta R.T. -0.212 min  
Lab File: BF129852.D  
Acq: 17 Aug 2022 19:38

Tgt Ion:165 Resp: 36374  
Ion Ratio Lower Upper  
165 100  
63 1.2 48.4 72.6#  
89 1.6 62.3 93.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

Instrument :

BNA\_F

ClientSampleId :

S3

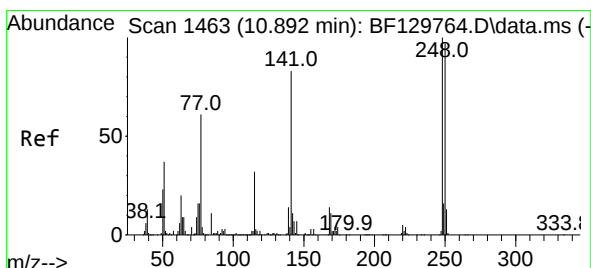
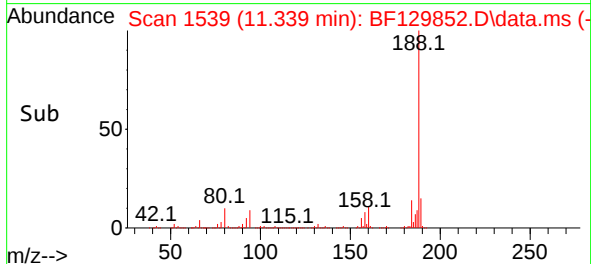
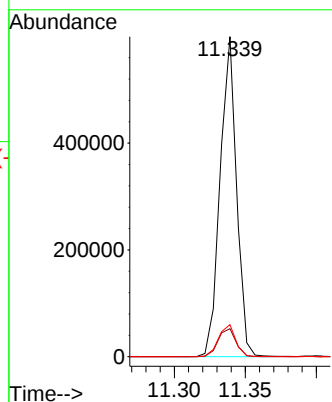
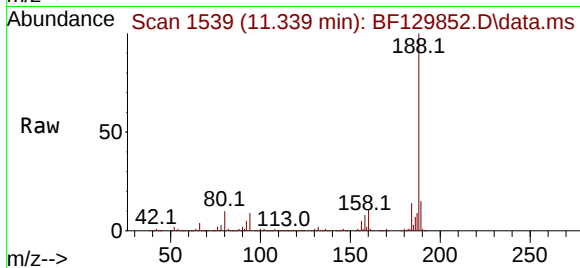
Tgt Ion:188 Resp: 482086

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

80 10.0 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.444 ng

RT: 10.645 min Scan# 1421

Delta R.T. -0.235 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

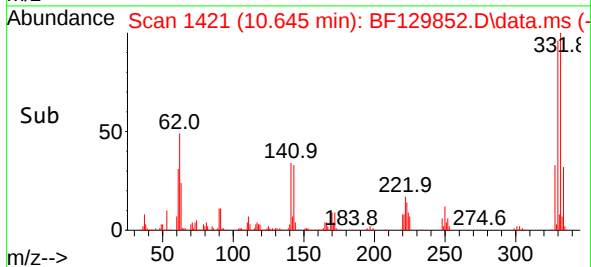
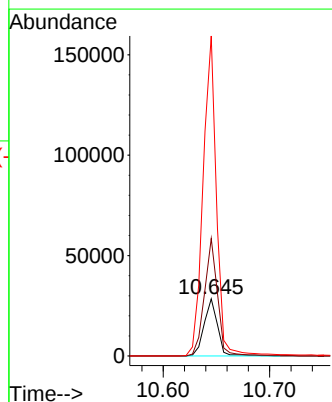
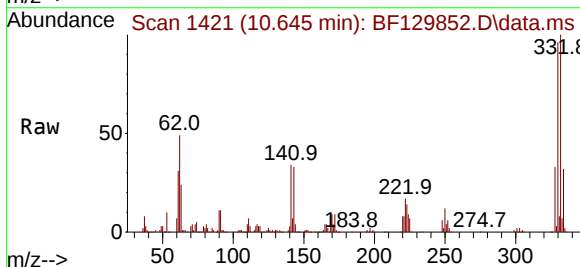
Tgt Ion:248 Resp: 25093

Ion Ratio Lower Upper

248 100

250 205.7 77.8 116.6#

141 560.7 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

Instrument :

BNA\_F

ClientSampleId :

S3

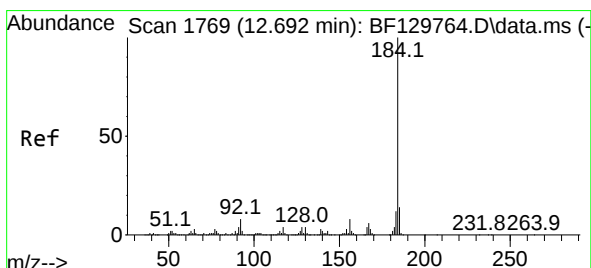
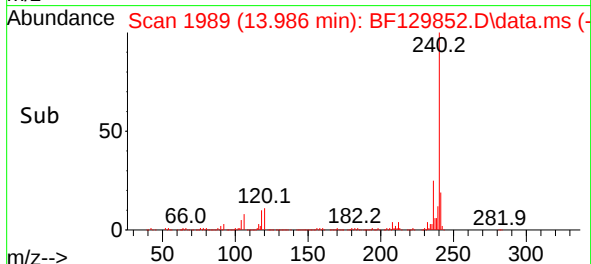
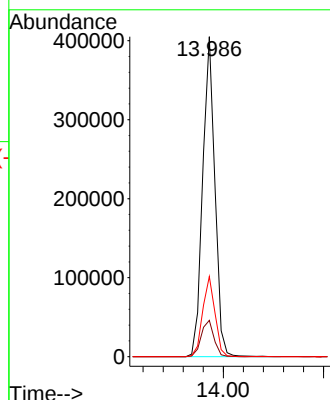
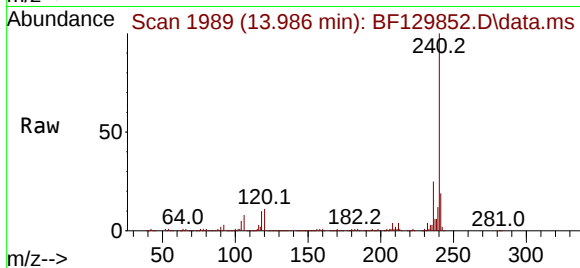
Tgt Ion:240 Resp: 344333

Ion Ratio Lower Upper

240 100

120 11.3 9.2 13.8

236 25.1 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.927 min Scan# 1809

Delta R.T. 0.247 min

Lab File: BF129852.D

Acq: 17 Aug 2022 19:38

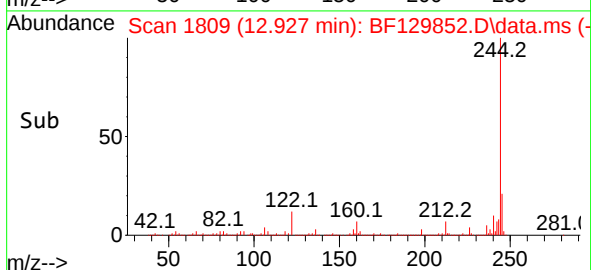
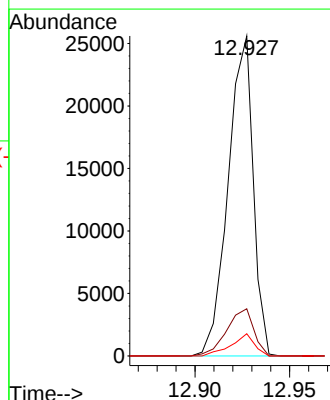
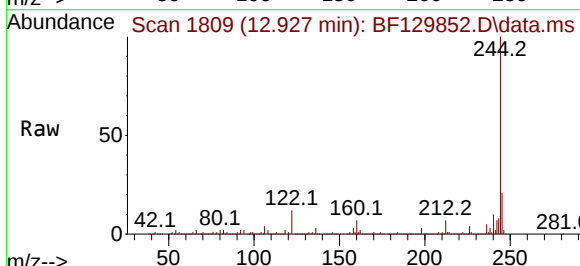
Tgt Ion:184 Resp: 23512

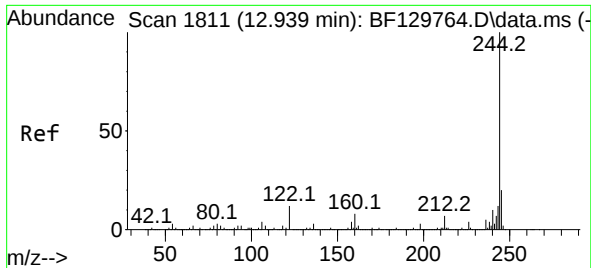
Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.2

183 6.9 9.4 14.2#

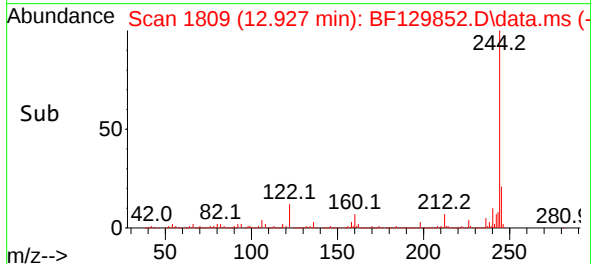
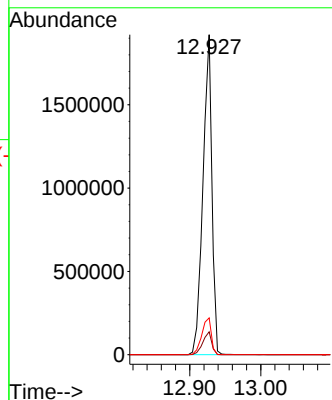
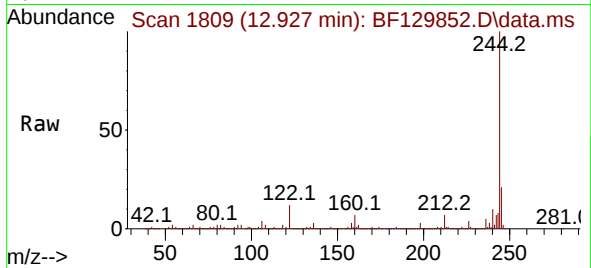




#79  
 Terphenyl-d14  
 Concen: 81.667 ng  
 RT: 12.927 min Scan# 1809  
 Delta R.T. -0.000 min  
 Lab File: BF129852.D  
 Acq: 17 Aug 2022 19:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S3

Tgt Ion:244 Resp: 1690012  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 11.5 9.9 14.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2238  
 Delta R.T. -0.006 min  
 Lab File: BF129852.D  
 Acq: 17 Aug 2022 19:38

Tgt Ion:264 Resp: 253191  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.1 28.7  
 265 22.9 16.7 25.1

