

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081622\  
 Data File : BF129809.D  
 Acq On : 16 Aug 2022 13:48  
 Operator : CG\JU  
 Sample : N3971-09RE  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-14R

Quant Time: Aug 17 02:31:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 15 02:28:31 2022  
 Response via : Initial Calibration

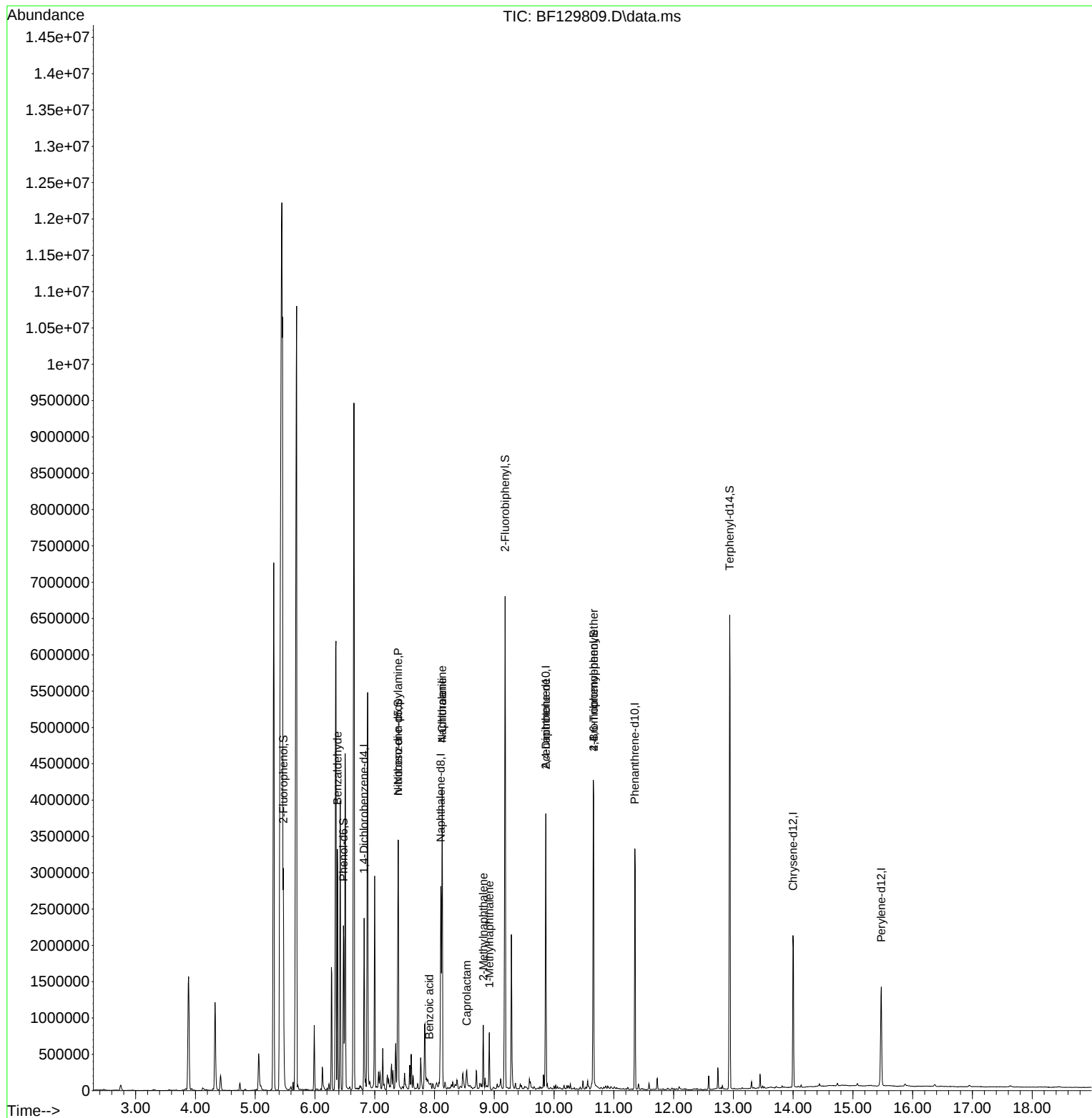
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 333743   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 1381284  | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 751363   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 1251996  | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 720868   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.474 | 264  | 630113   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 892382   | 44.271    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 808847   | 32.043    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.393  | 82   | 1224781  | 47.467    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 593923   | 78.759    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 2323949  | 46.976    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 2464024  | 56.876    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.375  | 77   | 130938   | 3.595     | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.393  | 70   | 162925   | 10.211    | ng    | # 77     |
| 31) Naphthalene               | 8.128  | 128  | 1851892  | 25.642    | ng    | 99       |
| 32) Benzoic acid              | 7.910  | 122  | 12177    | 4.079     | ng    | # 31     |
| 33) 4-Chloroaniline           | 8.128  | 127  | 247975   | 8.731     | ng    | # 33     |
| 35) Caprolactam               | 8.540  | 113  | 35126    | 5.628     | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 210837   | 4.448     | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 126876   | 2.754     | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 98655    | 6.504     | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 35891    | 2.448     | ng    | # 1      |
| 77) Benzidine                 | 12.939 | 184  | 34047    | Below Cal |       | # 91     |
| -----                         |        |      |          |           |       |          |

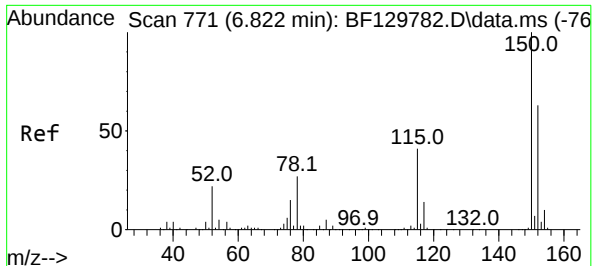
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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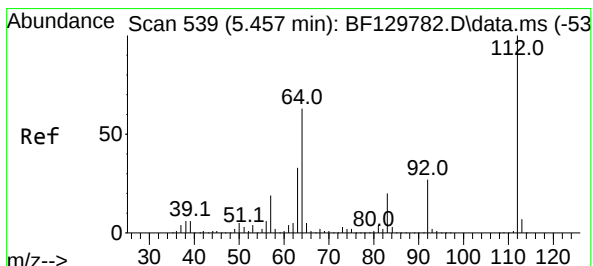
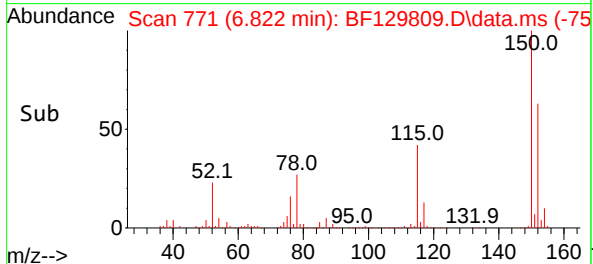
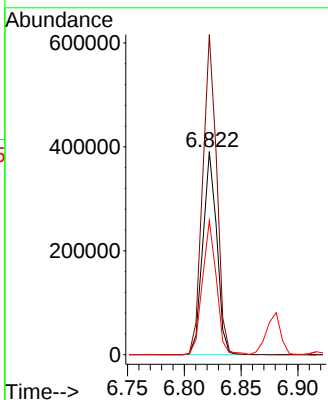
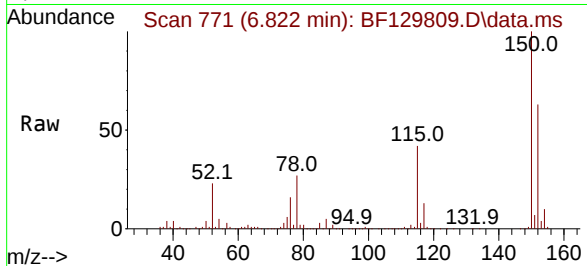




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

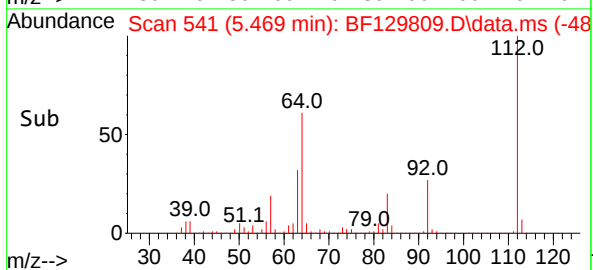
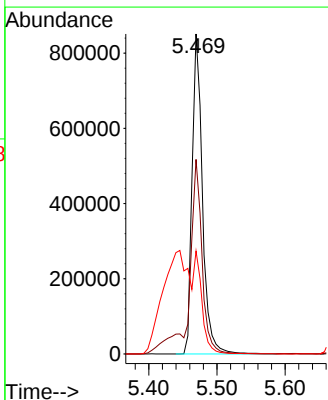
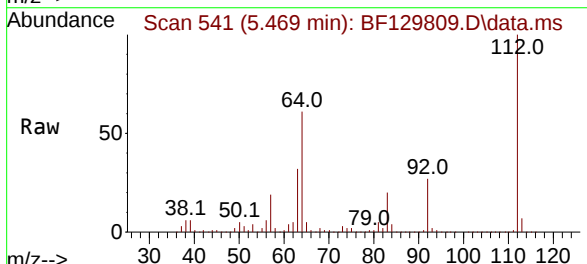
Instrument :  
BNA\_F  
ClientSampleId :  
MW-14R

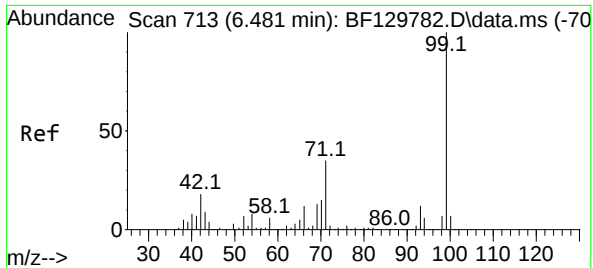
Tgt Ion:152 Resp: 333743  
Ion Ratio Lower Upper  
152 100  
150 157.6 126.9 190.3  
115 65.9 53.4 80.0



#5  
2-Fluorophenol  
Concen: 44.271 ng  
RT: 5.469 min Scan# 541  
Delta R.T. 0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:112 Resp: 892382  
Ion Ratio Lower Upper  
112 100  
64 60.8 47.6 71.4  
63 32.1 24.6 37.0

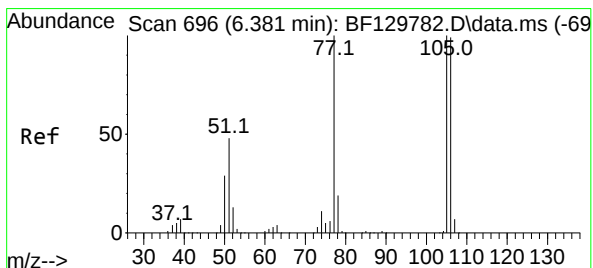
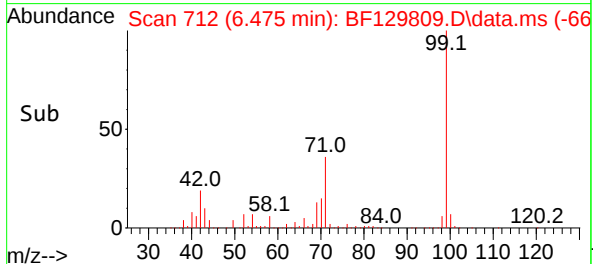
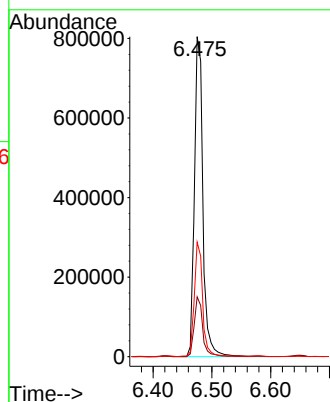
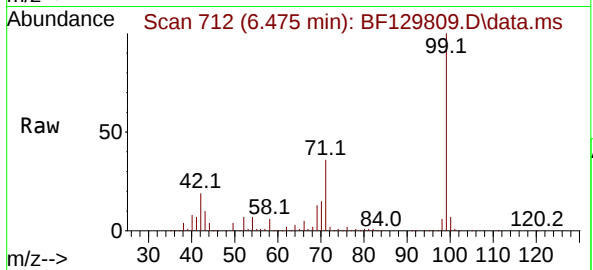




#7  
Phenol-d6  
Concen: 32.043 ng  
RT: 6.475 min Scan# 713  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

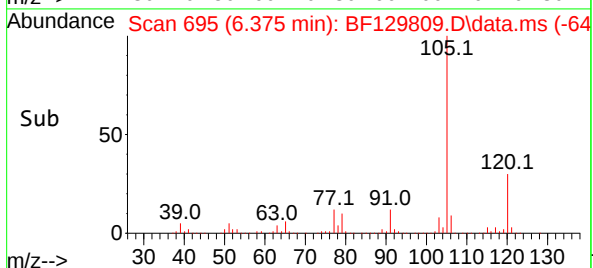
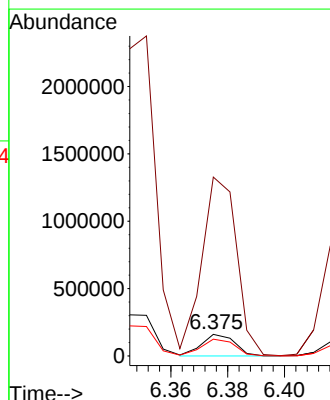
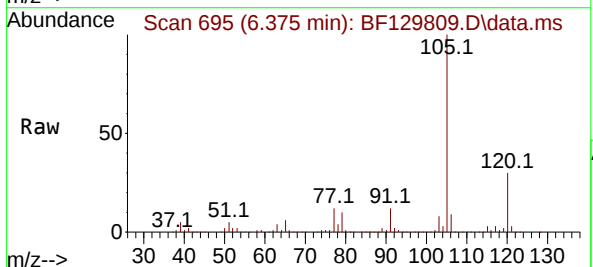
Instrument :  
BNA\_F  
ClientSampleId :  
MW-14R

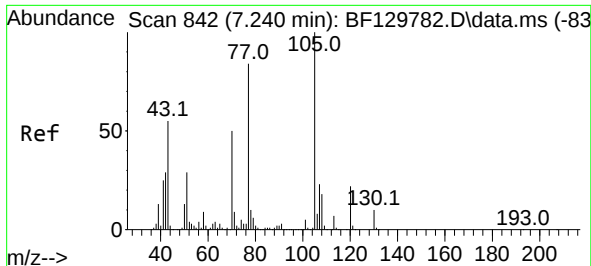
Tgt Ion: 99 Resp: 808847  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.4  
71 35.8 28.8 43.2



#9  
Benzaldehyde  
Concen: 3.595 ng  
RT: 6.375 min Scan# 695  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion: 77 Resp: 130938  
Ion Ratio Lower Upper  
77 100  
105 825.1 80.3 120.3#  
106 77.5 74.3 114.3

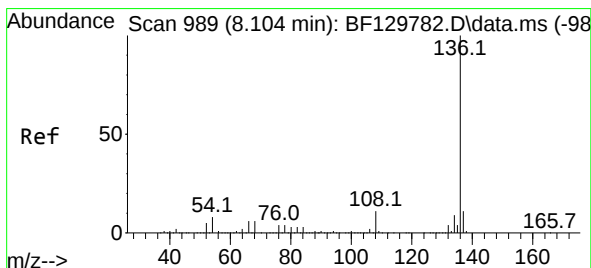
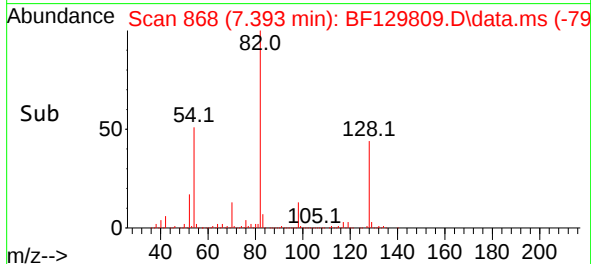
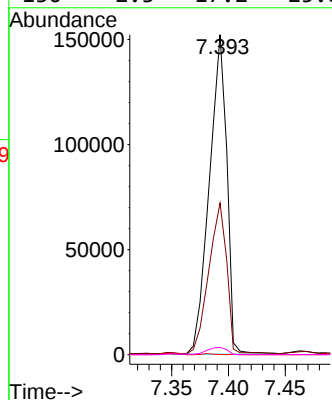
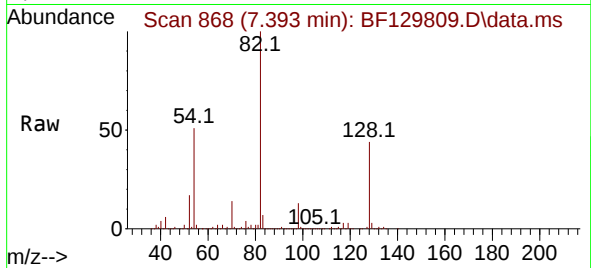




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.211 ng  
RT: 7.393 min Scan# 80  
Delta R.T. 0.153 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

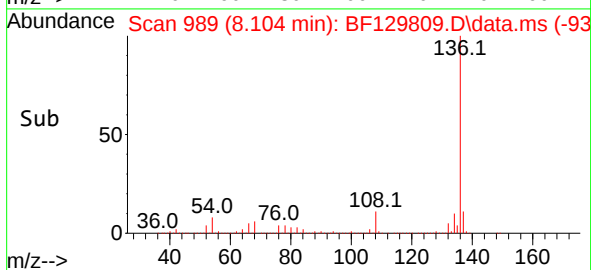
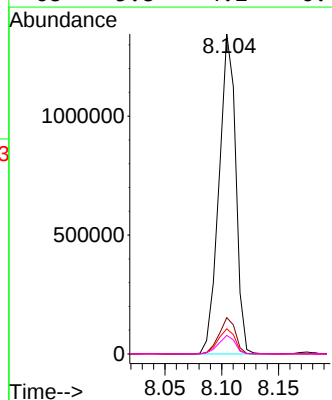
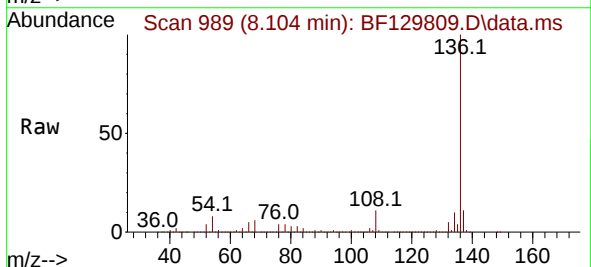
Instrument :  
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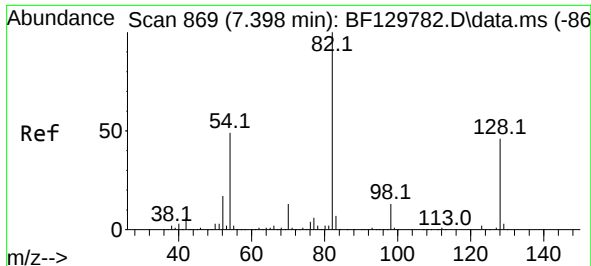
Tgt Ion: 70 Resp: 162925  
Ion Ratio Lower Upper  
70 100  
42 47.4 47.6 71.4#  
101 0.1 8.1 12.1#  
130 2.3 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:136 Resp: 1381284  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.4 12.6  
54 7.9 6.2 9.2  
68 5.8 4.2 6.4

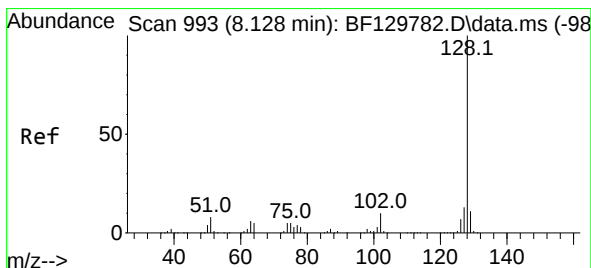
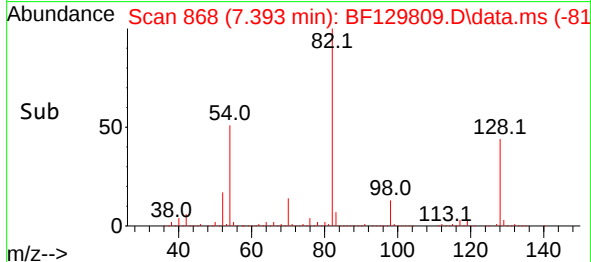
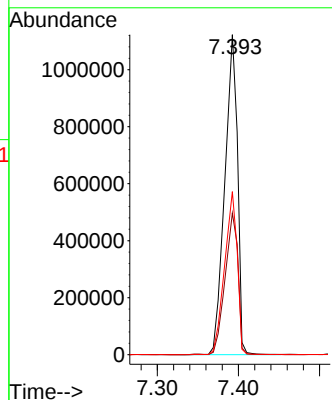
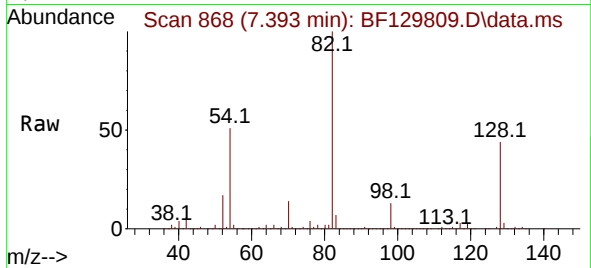




#23  
Nitrobenzene-d5  
Concen: 47.467 ng  
RT: 7.393 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

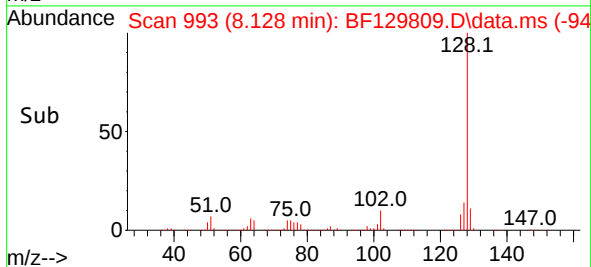
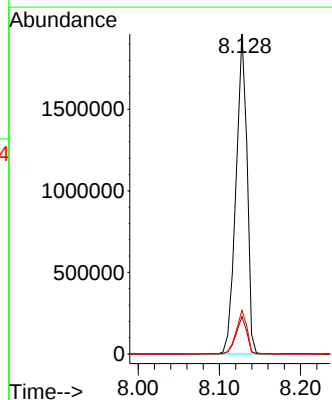
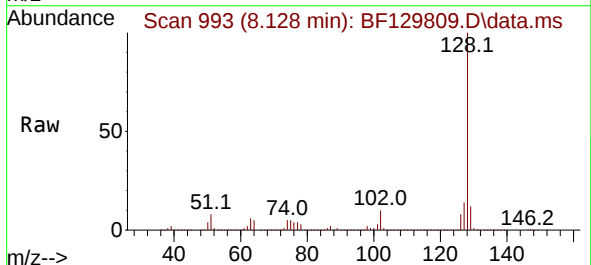
Instrument :  
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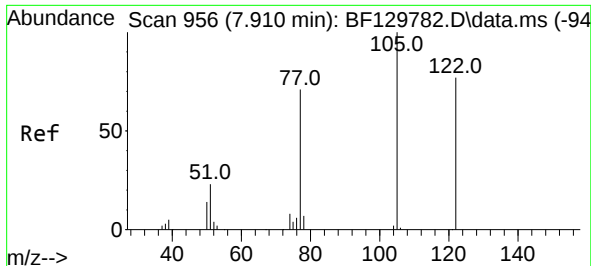
Tgt Ion: 82 Resp: 1224781  
Ion Ratio Lower Upper  
82 100  
128 44.2 36.1 54.1  
54 50.9 40.0 60.0



#31  
Naphthalene  
Concen: 25.642 ng  
RT: 8.128 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:128 Resp: 1851892  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.9 13.3  
127 13.6 10.7 16.1

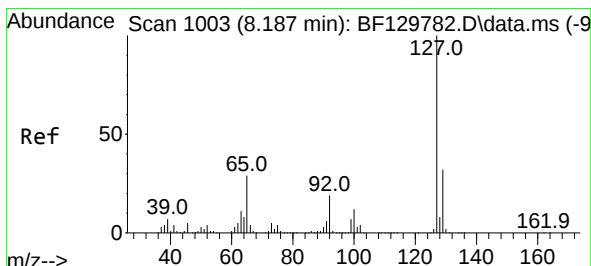
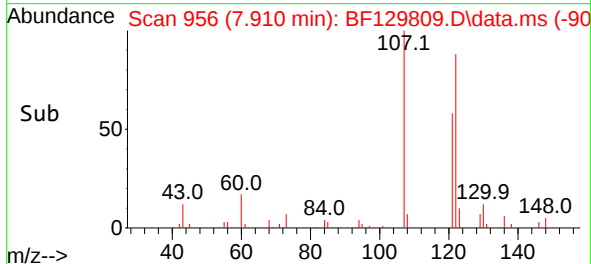
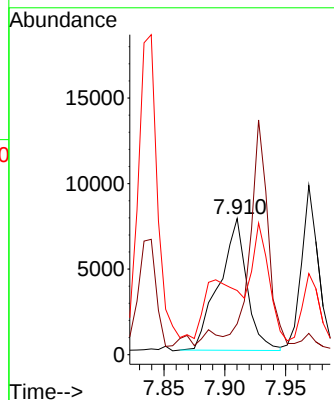
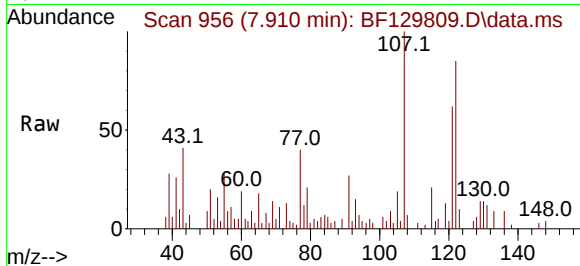




#32  
Benzoic acid  
Concen: 4.079 ng  
RT: 7.910 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

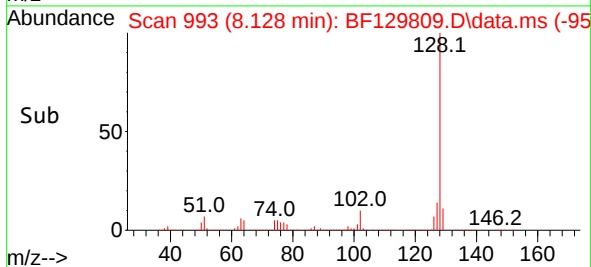
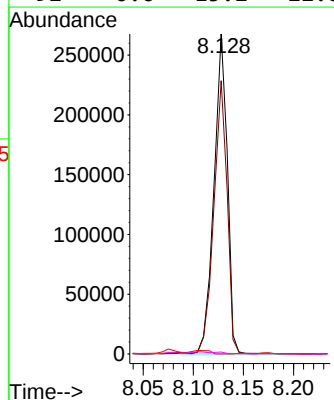
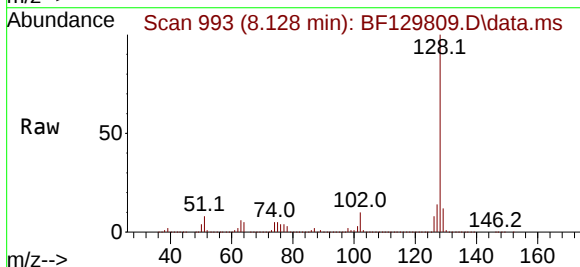
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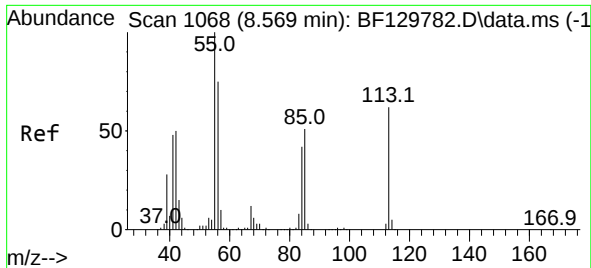
Tgt Ion:122 Resp: 12177  
Ion Ratio Lower Upper  
122 100  
105 22.7 99.9 139.9#  
77 47.1 65.9 105.9#



#33  
4-Chloroaniline  
Concen: 8.731 ng  
RT: 8.128 min Scan# 993  
Delta R.T. -0.059 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:127 Resp: 247975  
Ion Ratio Lower Upper  
127 100  
129 85.4 26.7 40.1#  
65 0.0 24.2 36.2#  
92 0.6 15.2 22.8#

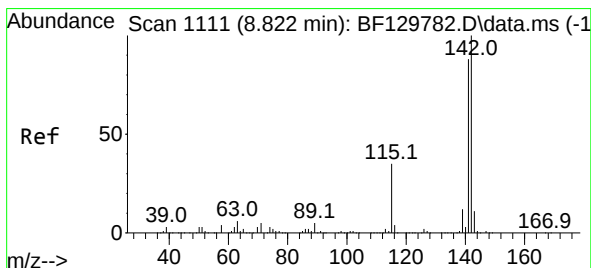
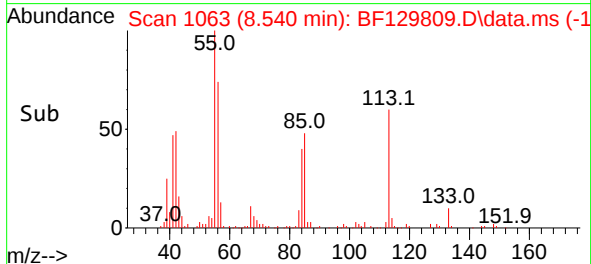
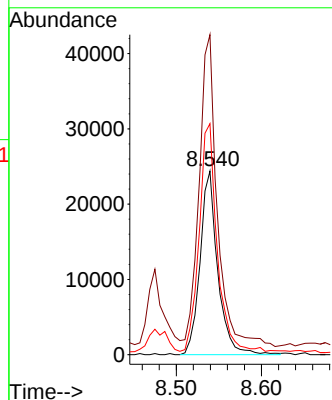
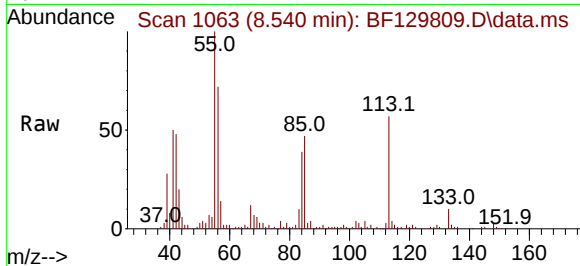




#35  
 Caprolactam  
 Concen: 5.628 ng  
 RT: 8.540 min Scan# 1106  
 Delta R.T. -0.029 min  
 Lab File: BF129809.D  
 Acq: 16 Aug 2022 13:48

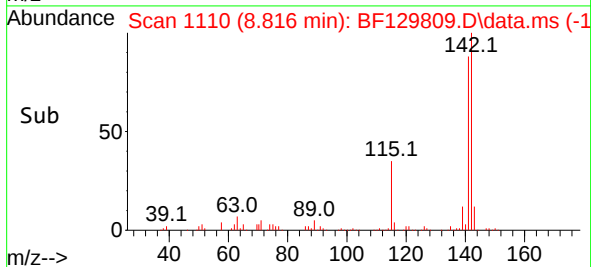
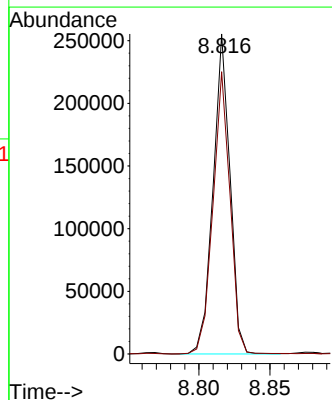
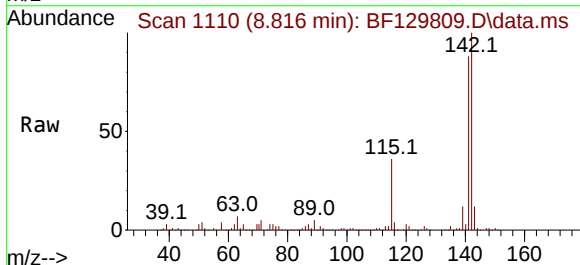
Instrument :  
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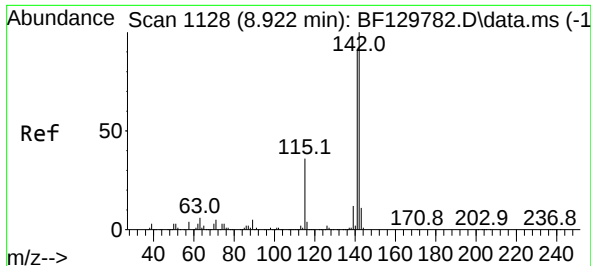
Tgt Ion:113 Resp: 35126  
 Ion Ratio Lower Upper  
 113 100  
 55 174.3 148.8 188.8  
 56 125.9 109.1 149.1



#37  
 2-Methylnaphthalene  
 Concen: 4.448 ng  
 RT: 8.816 min Scan# 1110  
 Delta R.T. -0.006 min  
 Lab File: BF129809.D  
 Acq: 16 Aug 2022 13:48

Tgt Ion:142 Resp: 210837  
 Ion Ratio Lower Upper  
 142 100  
 141 88.2 70.9 106.3





#38

1-Methylnaphthalene

Concen: 2.754 ng

RT: 8.916 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BF129809.D

Acq: 16 Aug 2022 13:48

Instrument :

BNA\_F

ClientSampleId :

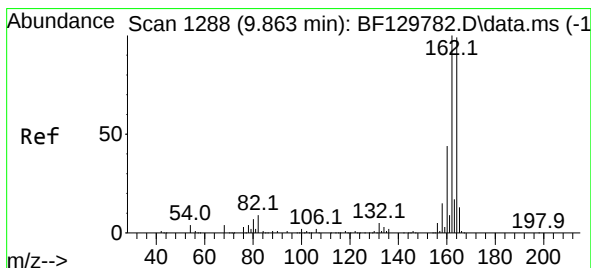
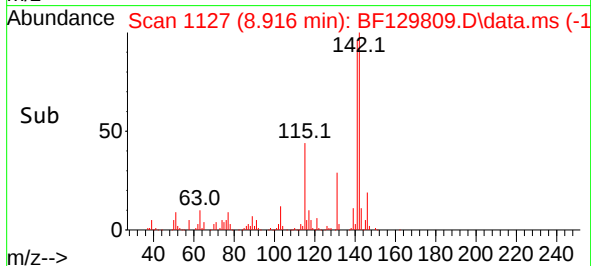
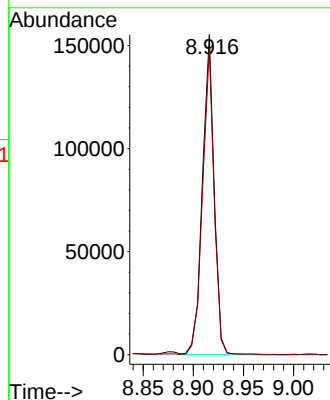
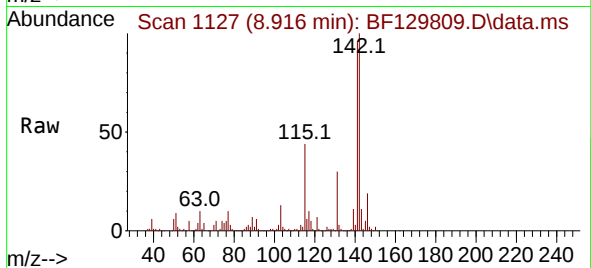
MW-14R

Tgt Ion:142 Resp: 126876

Ion Ratio Lower Upper

142 100

141 95.7 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.000 min

Lab File: BF129809.D

Acq: 16 Aug 2022 13:48

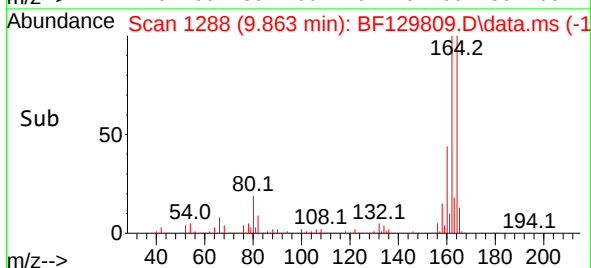
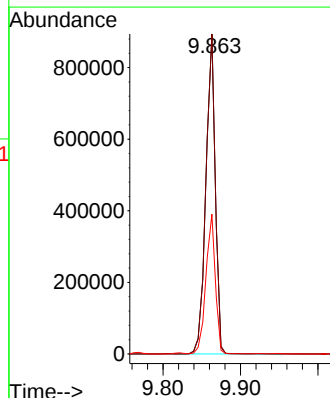
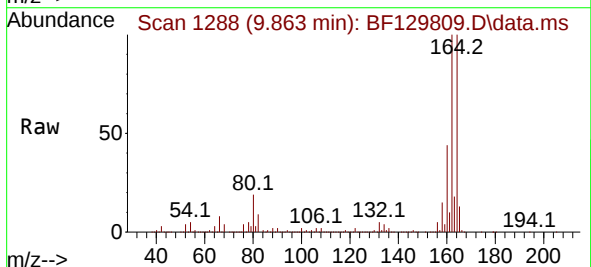
Tgt Ion:164 Resp: 751363

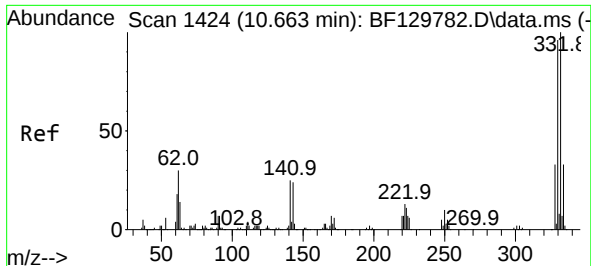
Ion Ratio Lower Upper

164 100

162 99.9 82.0 123.0

160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 78.759 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF129809.D

Acq: 16 Aug 2022 13:48

Instrument :

BNA\_F

ClientSampleId :

MW-14R

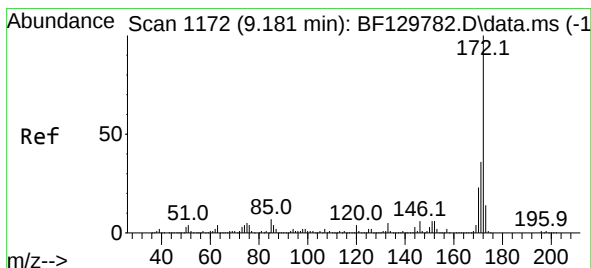
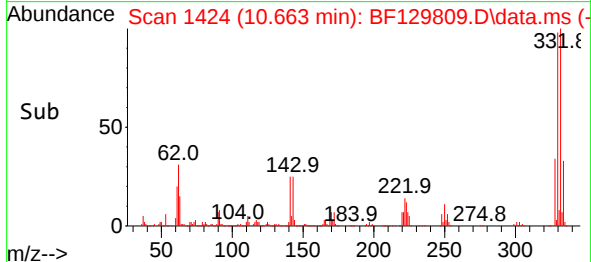
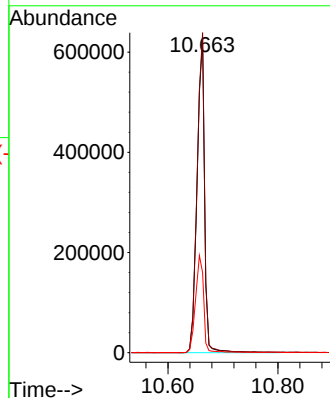
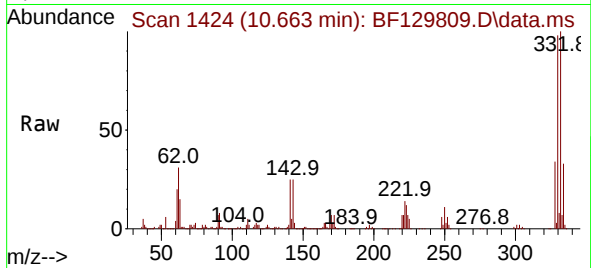
Tgt Ion:330 Resp: 593923

Ion Ratio Lower Upper

330 100

332 102.0 82.6 124.0

141 33.2 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 46.976 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129809.D

Acq: 16 Aug 2022 13:48

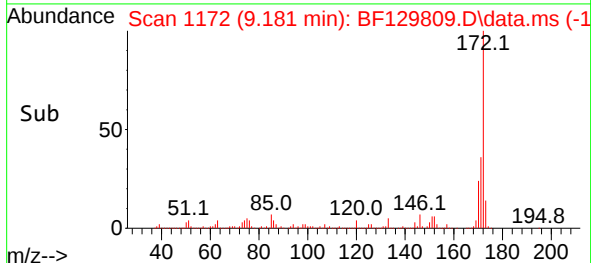
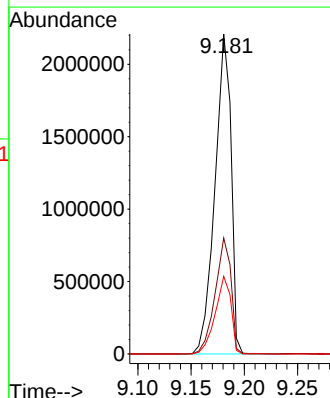
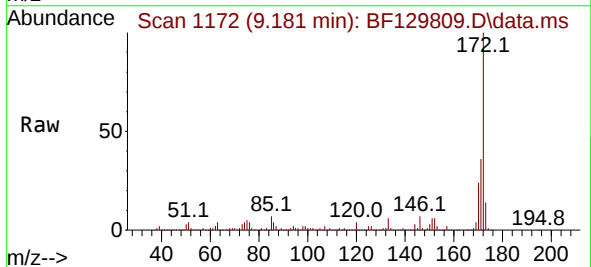
Tgt Ion:172 Resp: 2323949

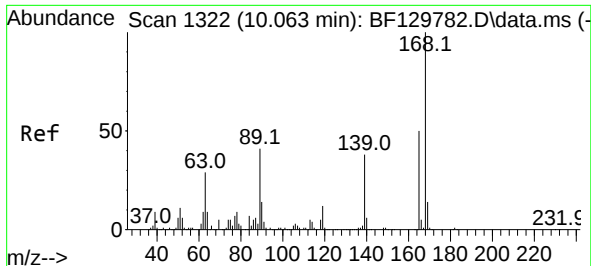
Ion Ratio Lower Upper

172 100

171 36.3 28.4 42.6

170 24.3 19.1 28.7

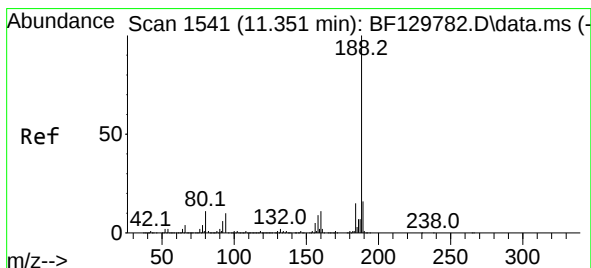
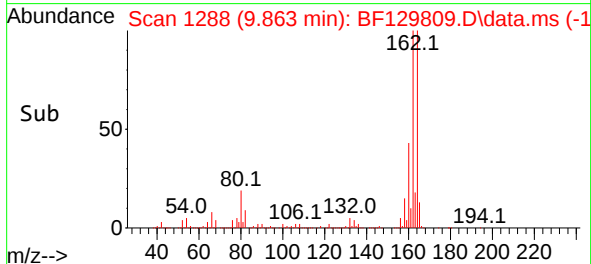
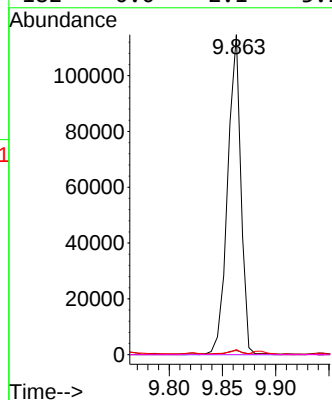
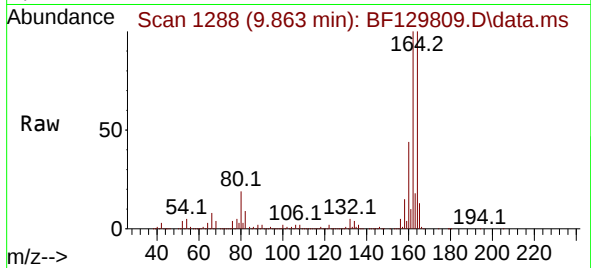




#57  
2,4-Dinitrotoluene  
Concen: 6.504 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

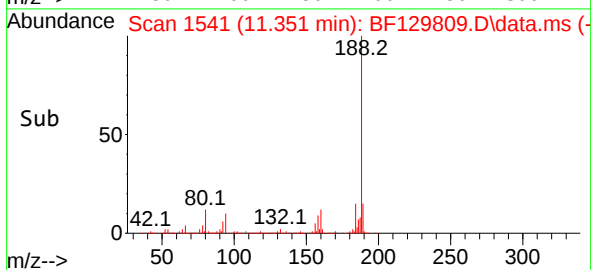
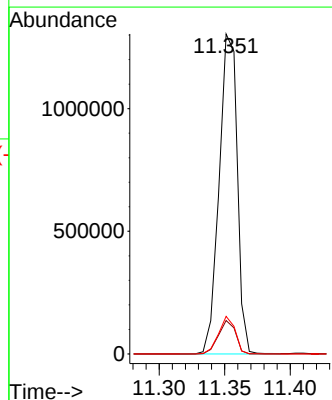
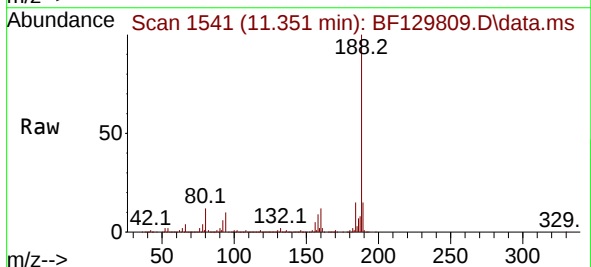
Instrument :  
BNA\_F  
ClientSampleId :  
MW-14R

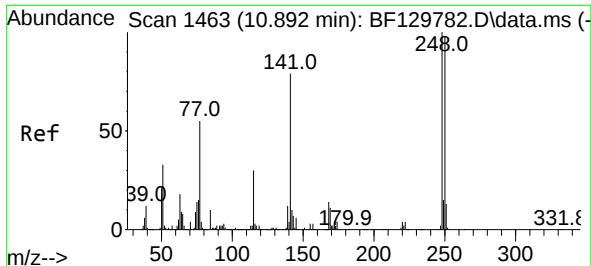
Tgt Ion:165 Resp: 98655  
Ion Ratio Lower Upper  
165 100  
63 1.3 48.4 72.6#  
89 1.6 62.3 93.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 1541  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:188 Resp: 1251996  
Ion Ratio Lower Upper  
188 100  
94 10.5 7.4 11.2  
80 11.7 7.9 11.9

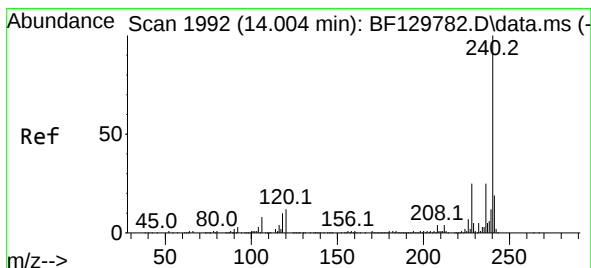
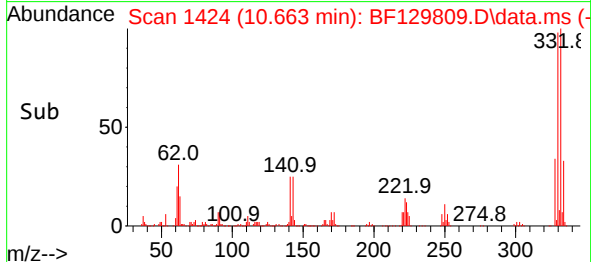
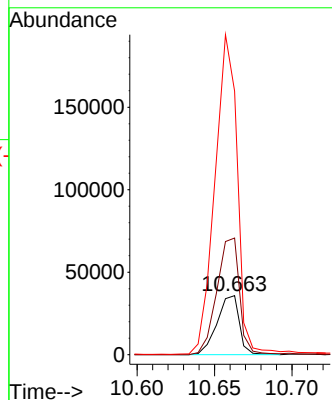
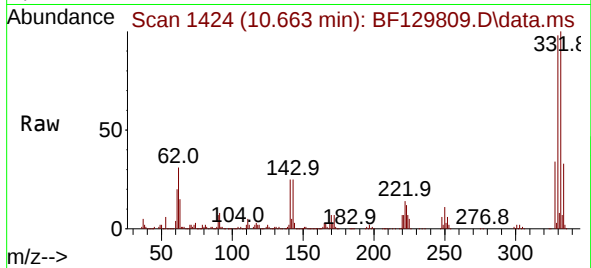




#67  
4-Bromophenyl-phenylether  
Concen: 2.448 ng  
RT: 10.663 min Scan# 1463  
Delta R.T. -0.229 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

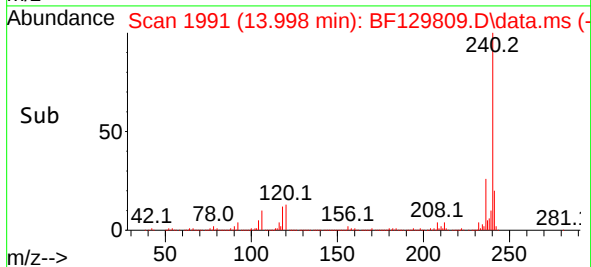
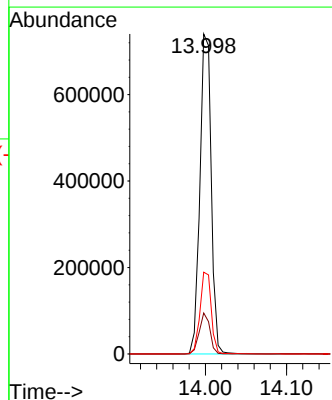
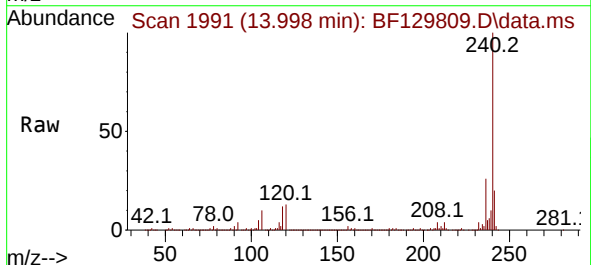
Instrument :  
BNA\_F  
ClientSampleId :  
MW-14R

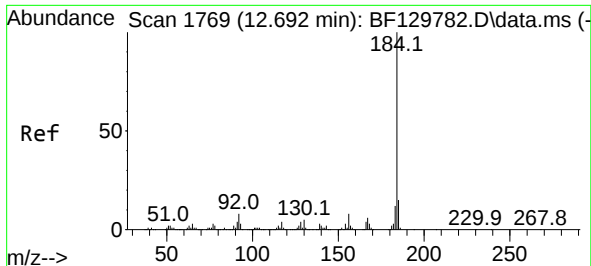
Tgt Ion:248 Resp: 35891  
Ion Ratio Lower Upper  
248 100  
250 197.4 77.8 116.6#  
141 445.9 66.2 99.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 1991  
Delta R.T. -0.006 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:240 Resp: 720868  
Ion Ratio Lower Upper  
240 100  
120 12.8 9.2 13.8  
236 25.6 20.7 31.1

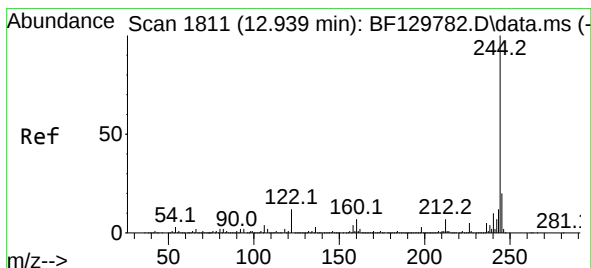
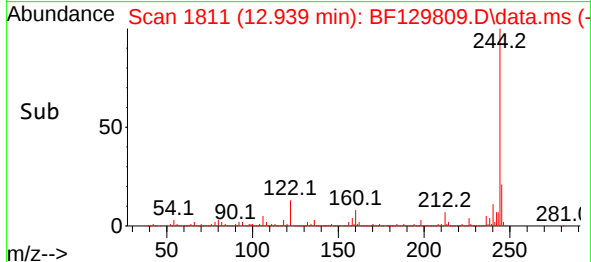
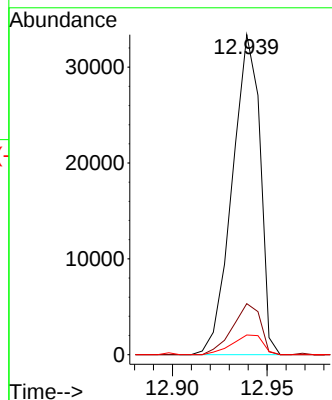
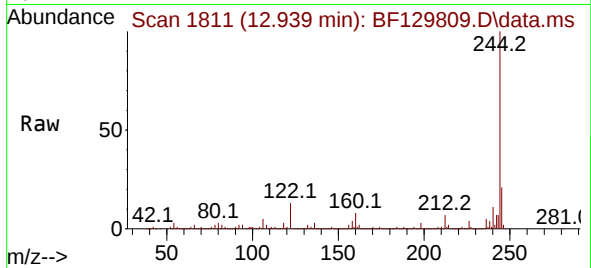




#77  
Benzidine  
Concen: Below Cal  
RT: 12.939 min Scan# 1811  
Delta R.T. 0.247 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

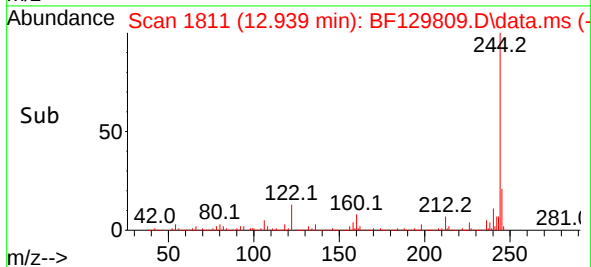
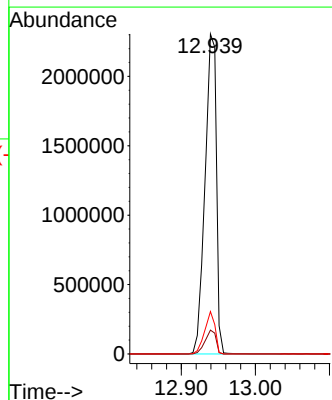
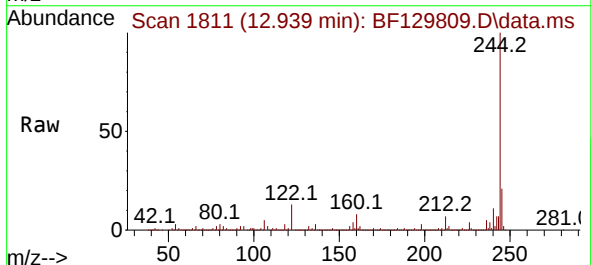
Instrument :  
BNA\_F  
ClientSampleId :  
MW-14R

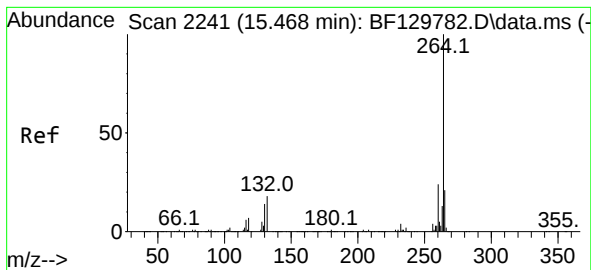
Tgt Ion:184 Resp: 34047  
Ion Ratio Lower Upper  
184 100  
185 16.0 11.4 17.2  
183 6.2 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 56.876 ng  
RT: 12.939 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF129809.D  
Acq: 16 Aug 2022 13:48

Tgt Ion:244 Resp: 2464024  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.9 8.9  
122 13.3 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129809.D

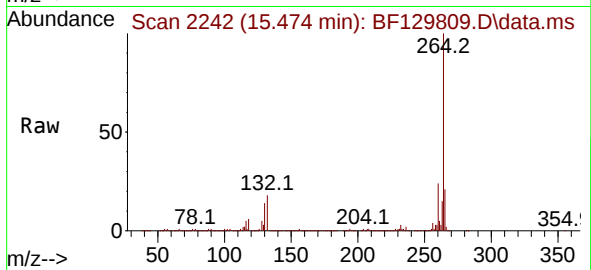
Acq: 16 Aug 2022 13:48

Instrument :

BNA\_F

ClientSampleId :

MW-14R



Tgt Ion:264 Resp: 630113

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 21.0 16.7 25.1

