

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
 Data File : BF129908.D  
 Acq On : 19 Aug 2022 13:01  
 Operator : CG\JU  
 Sample : N4227-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-2

Quant Time: Aug 20 07:42:49 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 12:03:10 2022  
 Response via : Initial Calibration

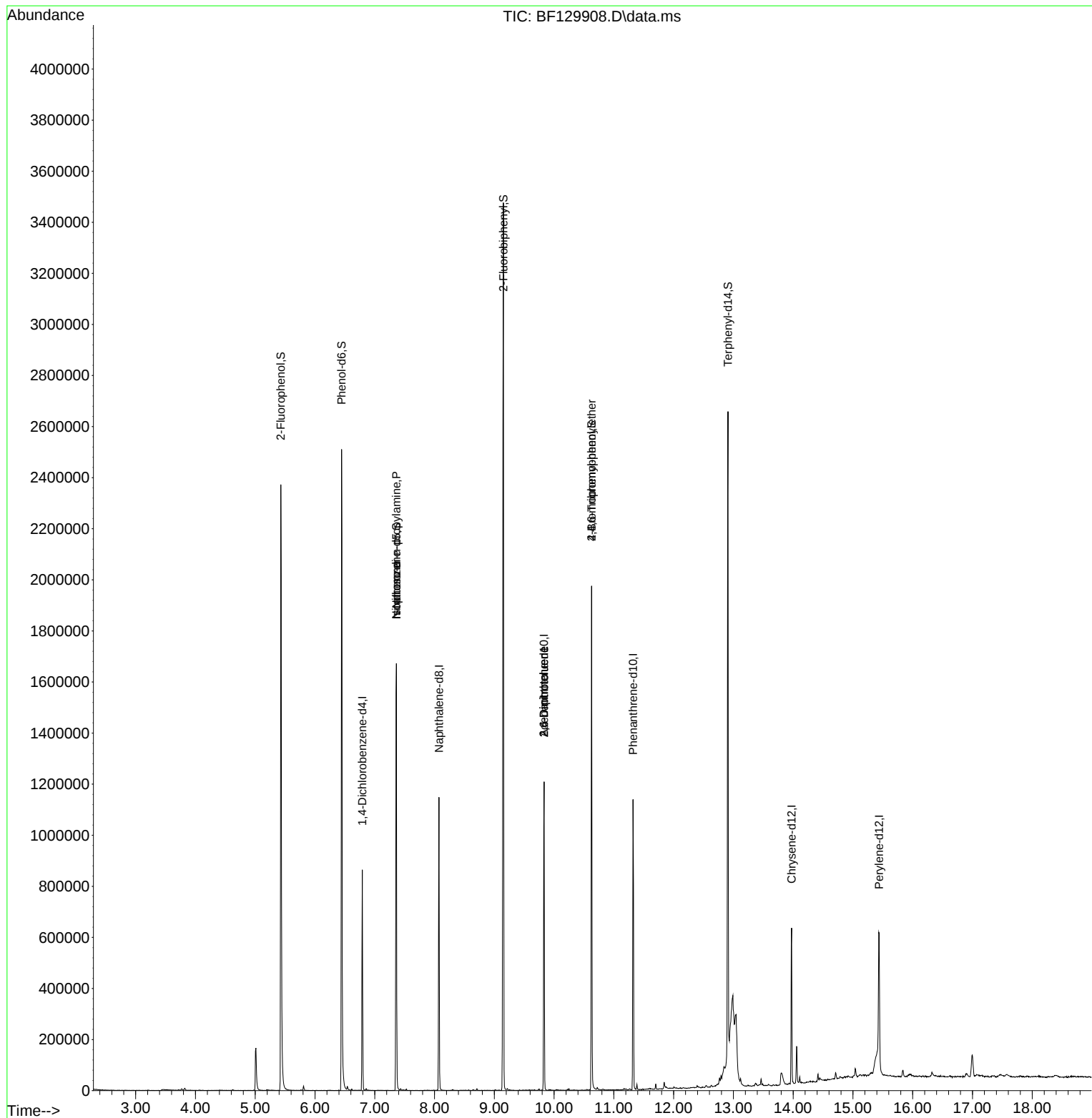
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 116250   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 465248   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 241725   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 379054   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 204618   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.439 | 264  | 252429   | 20.000    | ng     | 0.01     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 693413   | 98.760    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 855930   | 97.348    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 544674   | 62.671    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 204180   | 84.161    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1019878  | 64.081    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 823979   | 67.005    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.392  | 77   | 68       | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 71905    | 12.938    | ng     | # 76     |
| 25) Isophorone                | 7.363  | 82   | 544661   | 36.411    | ng     | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.833  | 165  | 31814    | 8.464     | ng     | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.833  | 165  | 31814    | 6.520     | ng     | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.627 | 248  | 13103    | 2.951     | ng     | # 1      |
| 77) Benzydine                 | 12.910 | 184  | 10746    | Below Cal | #      | 88       |
| -----                         |        |      |          |           |        |          |

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

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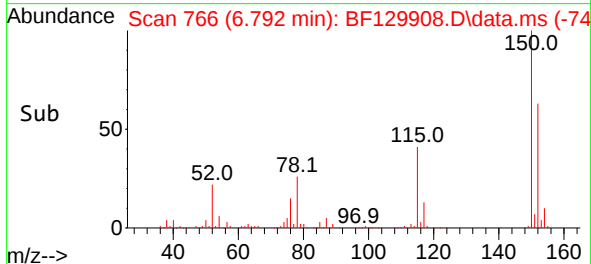
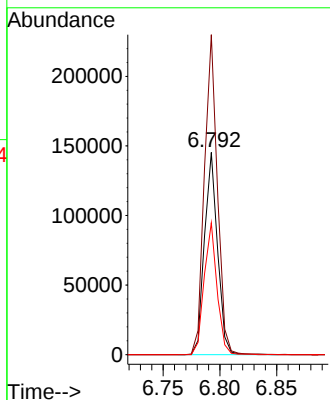
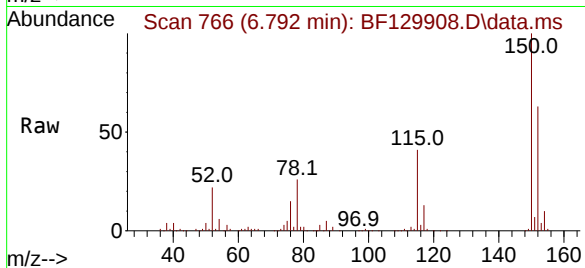




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

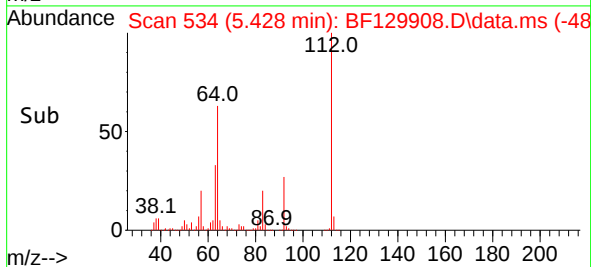
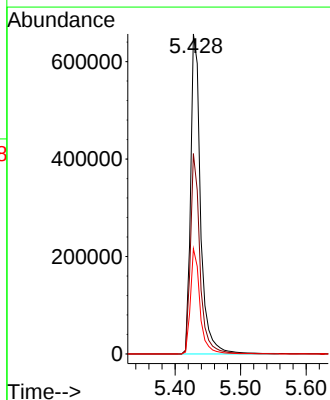
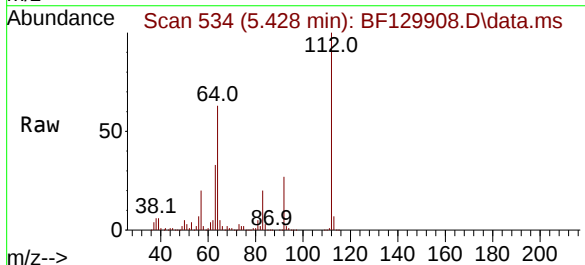
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

Tgt Ion:152 Resp: 116250  
Ion Ratio Lower Upper  
152 100  
150 158.2 126.9 190.3  
115 65.2 53.4 80.0



#5  
2-Fluorophenol  
Concen: 98.760 ng  
RT: 5.428 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:112 Resp: 693413  
Ion Ratio Lower Upper  
112 100  
64 62.6 47.6 71.4  
63 32.9 24.6 37.0

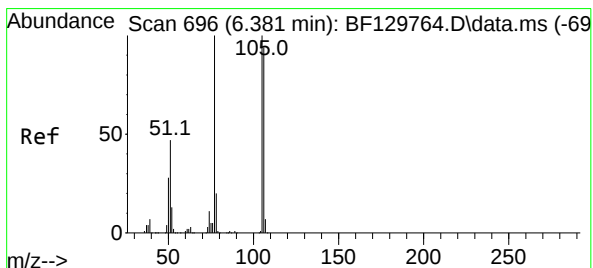
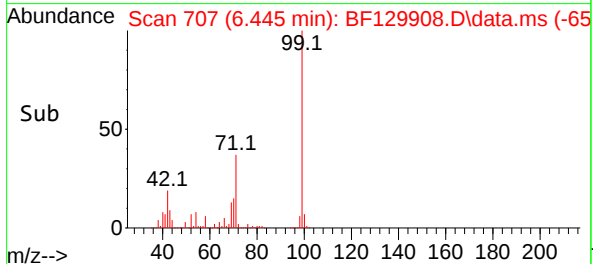
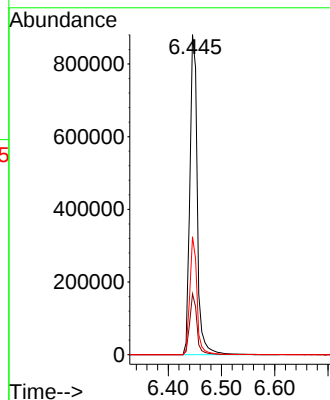
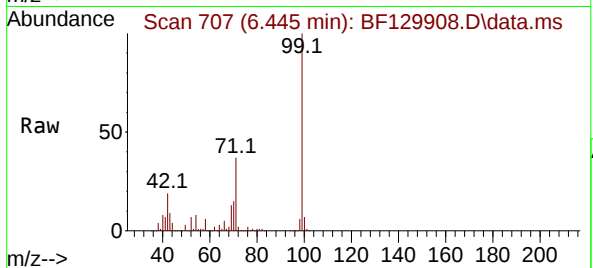




#7  
Phenol-d6  
Concen: 97.348 ng  
RT: 6.445 min Scan# 713  
Delta R.T. -0.006 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

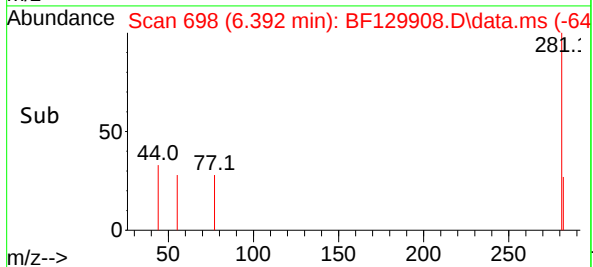
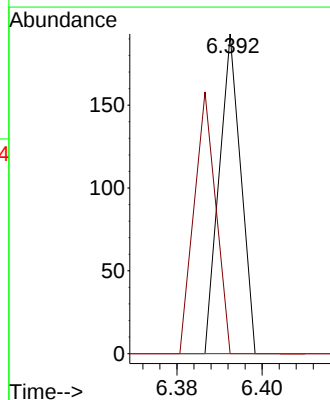
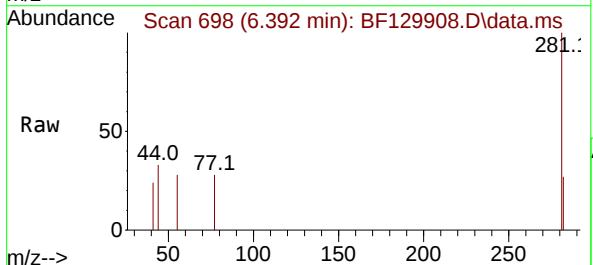
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

Tgt Ion: 99 Resp: 855930  
Ion Ratio Lower Upper  
99 100  
42 19.0 15.0 22.4  
71 36.8 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.392 min Scan# 698  
Delta R.T. 0.041 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion: 77 Resp: 68  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#

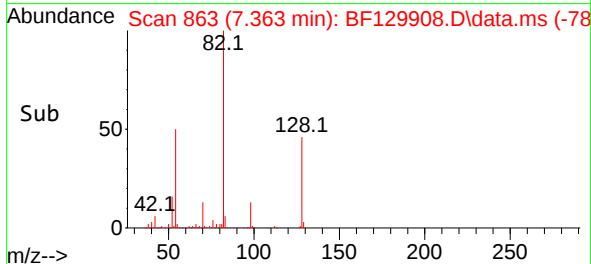
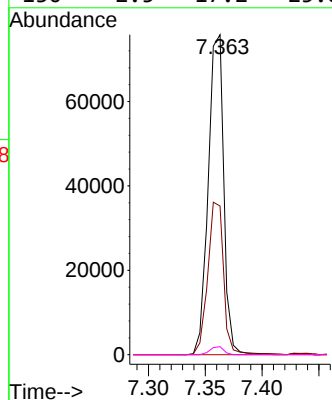
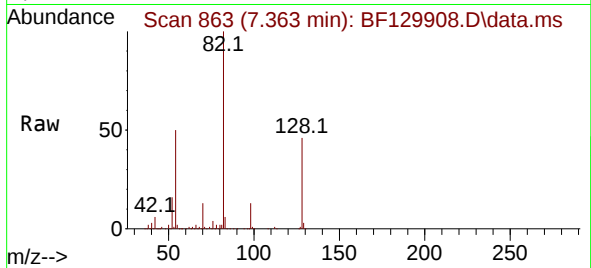




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.938 ng  
RT: 7.363 min Scan# 80  
Delta R.T. 0.153 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

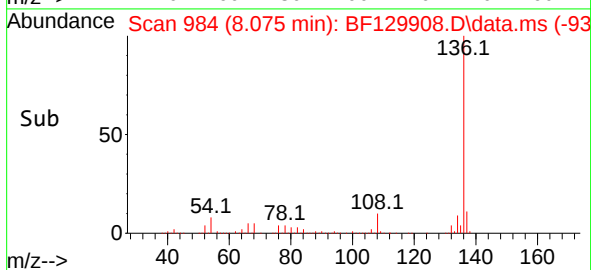
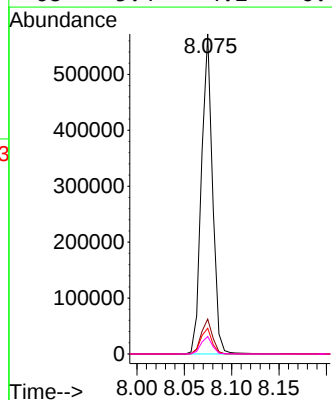
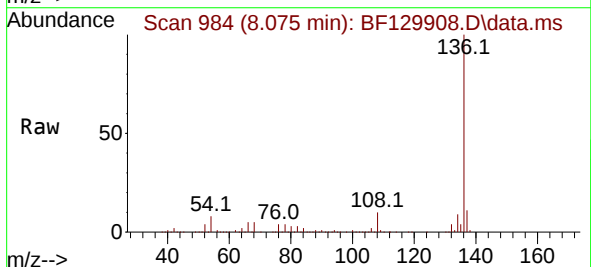
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

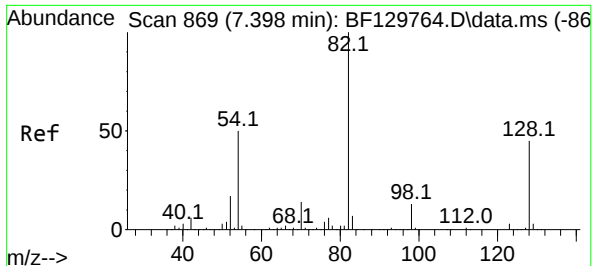
Tgt Ion: 70 Resp: 71905  
Ion Ratio Lower Upper  
70 100  
42 46.5 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.5 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion: 136 Resp: 465248  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 8.1 6.2 9.2  
68 5.4 4.2 6.4

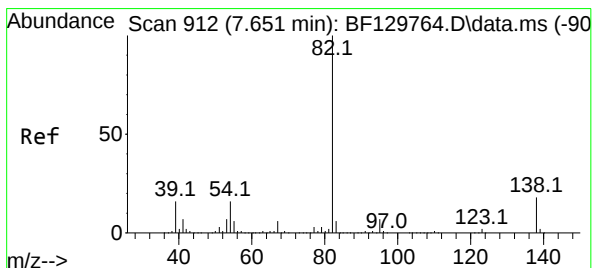
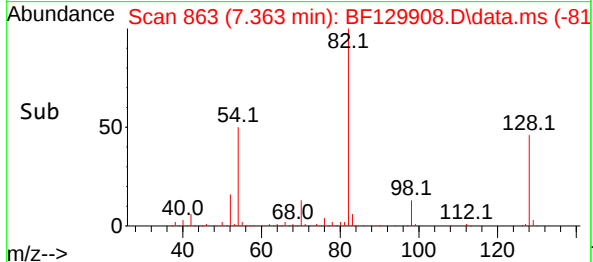
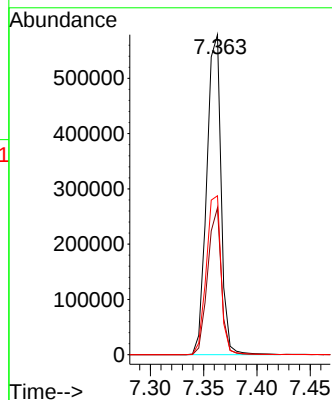
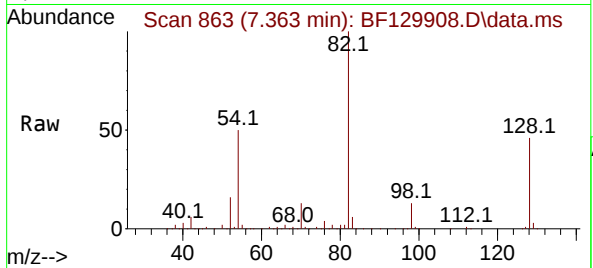




#23  
Nitrobenzene-d5  
Concen: 62.671 ng  
RT: 7.363 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

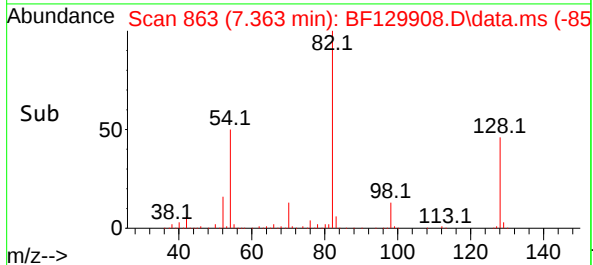
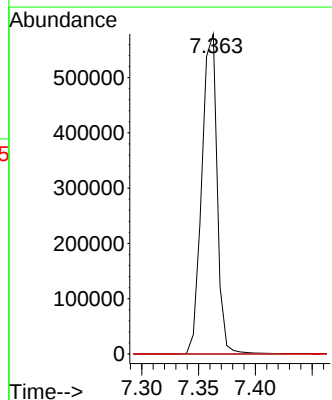
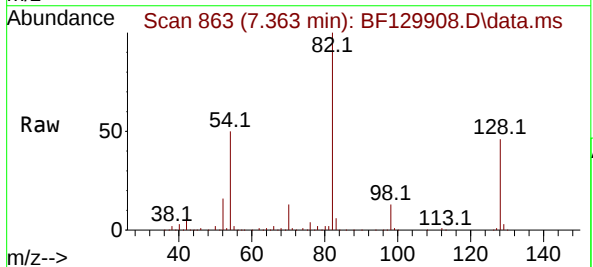
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

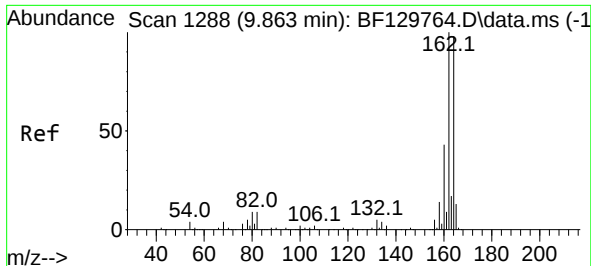
Tgt Ion: 82 Resp: 544674  
Ion Ratio Lower Upper  
82 100  
128 45.9 36.1 54.1  
54 49.7 40.0 60.0



#25  
Isophorone  
Concen: 36.411 ng  
RT: 7.363 min Scan# 863  
Delta R.T. -0.259 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion: 82 Resp: 544661  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#

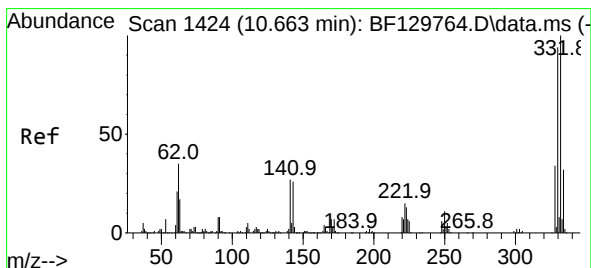
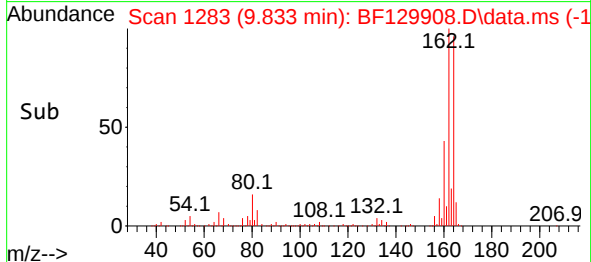
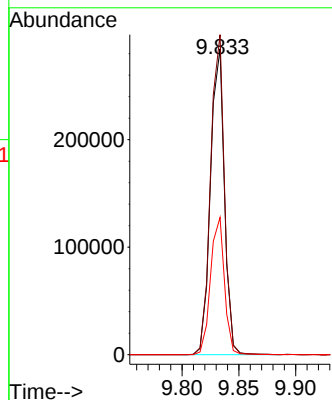
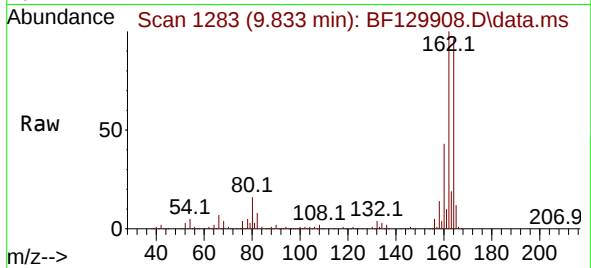




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

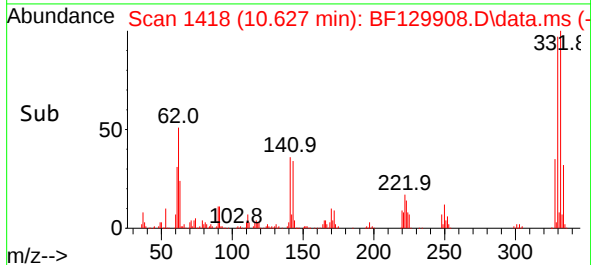
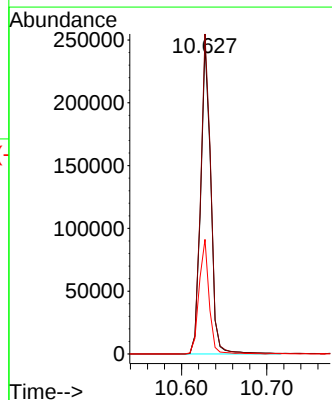
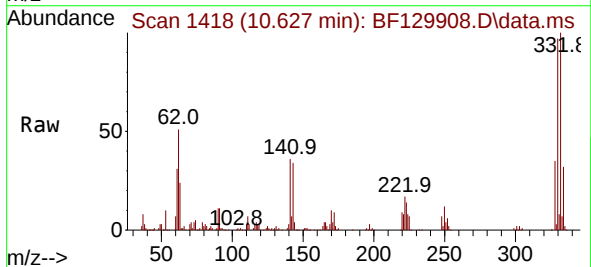
Instrument :  
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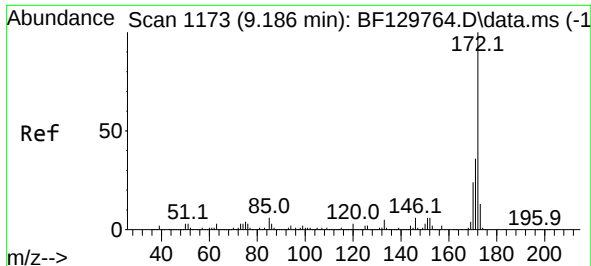
Tgt Ion:164 Resp: 241725  
Ion Ratio Lower Upper  
164 100  
162 104.6 82.0 123.0  
160 44.9 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 84.161 ng  
RT: 10.627 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:330 Resp: 204180  
Ion Ratio Lower Upper  
330 100  
332 103.2 82.6 124.0  
141 36.5 27.6 41.4

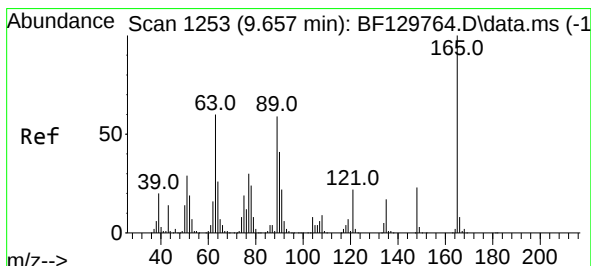
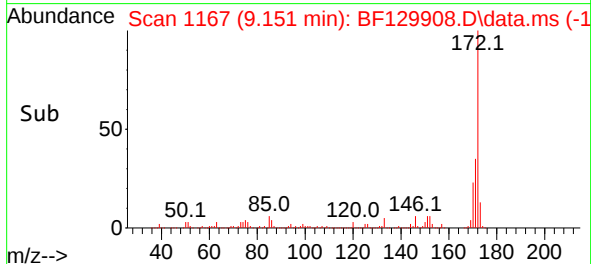
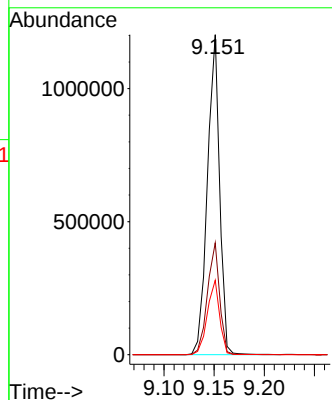
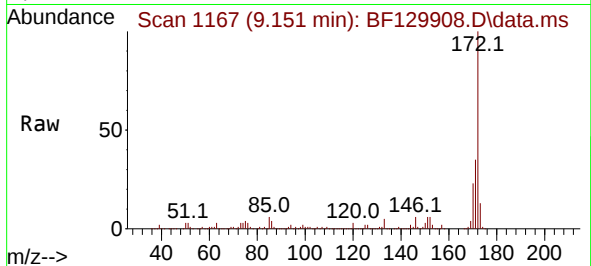




#45  
2-Fluorobiphenyl  
Concen: 64.081 ng  
RT: 9.151 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

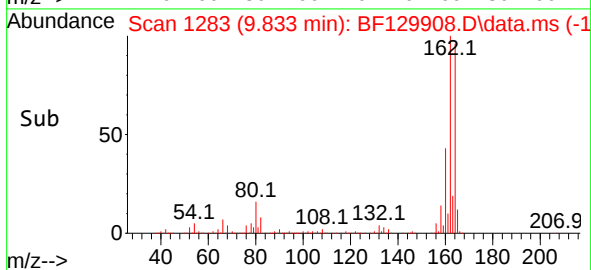
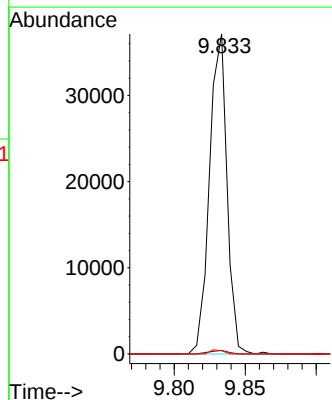
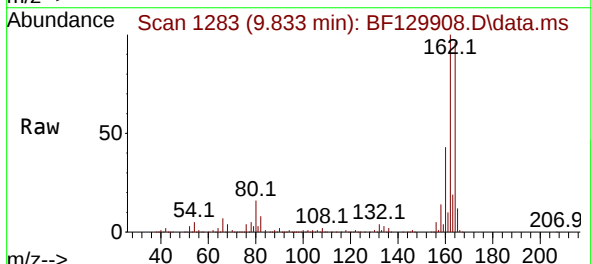
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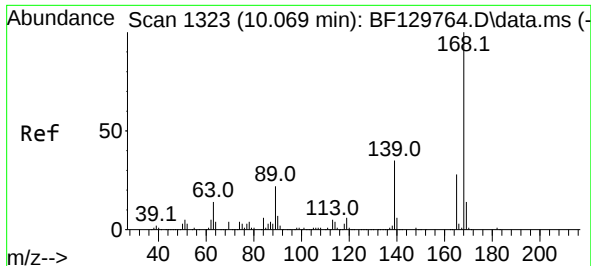
Tgt Ion:172 Resp: 1019878  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.4 42.6  
170 23.2 19.1 28.7



#51  
2,6-Dinitrotoluene  
Concen: 8.464 ng  
RT: 9.833 min Scan# 1283  
Delta R.T. 0.206 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:165 Resp: 31814  
Ion Ratio Lower Upper  
165 100  
63 1.1 47.8 71.8#  
89 1.0 47.2 70.8#

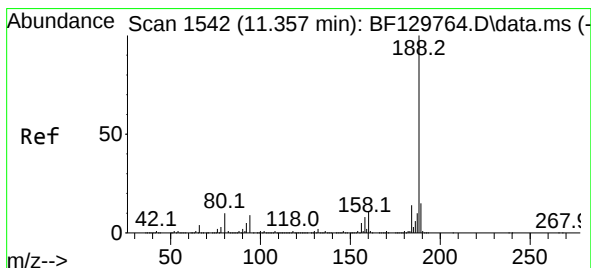
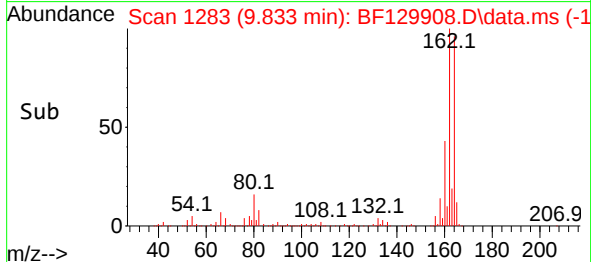
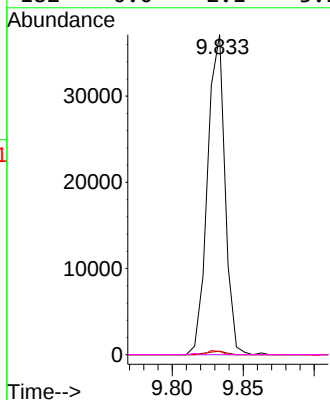
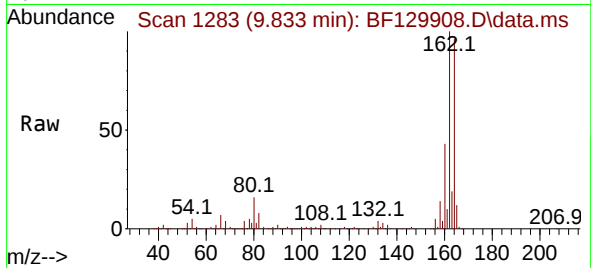




#57  
2,4-Dinitrotoluene  
Concen: 6.520 ng  
RT: 9.833 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

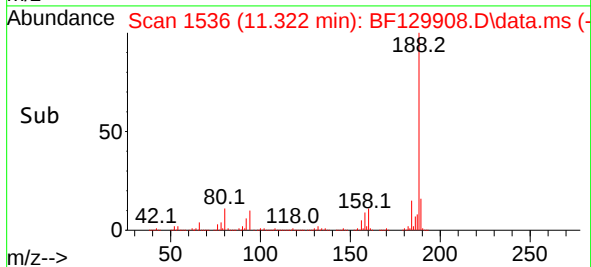
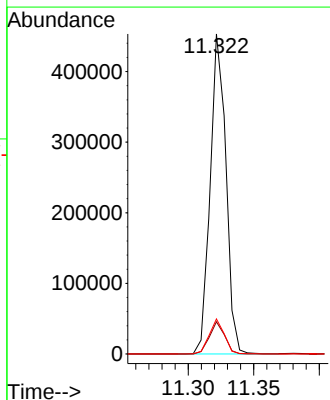
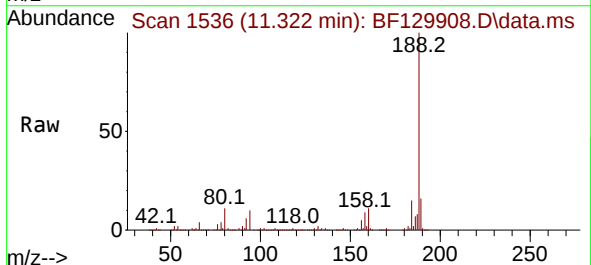
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

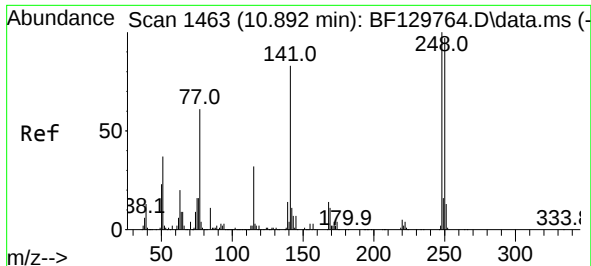
Tgt Ion:165 Resp: 31814  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.4 72.6#  
89 1.0 62.3 93.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1536  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:188 Resp: 379054  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 11.0 7.9 11.9

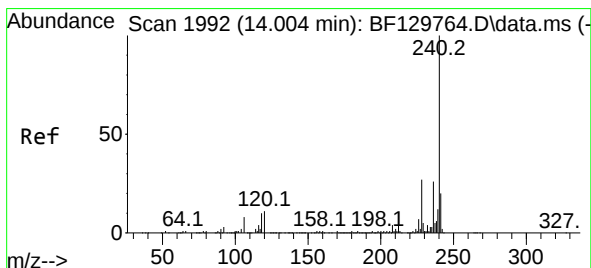
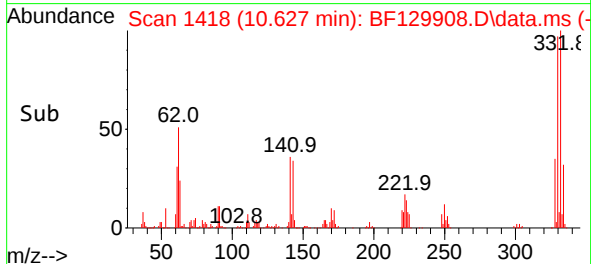
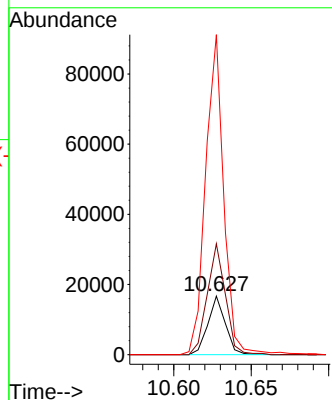
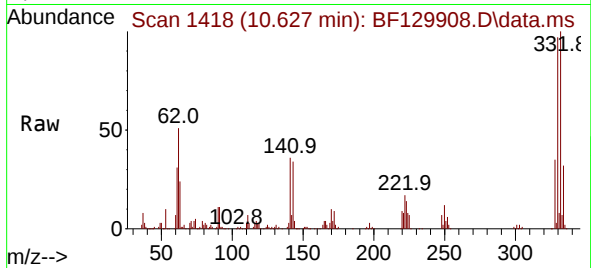




#67  
4-Bromophenyl-phenylether  
Concen: 2.951 ng  
RT: 10.627 min Scan# 1463  
Delta R.T. -0.235 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

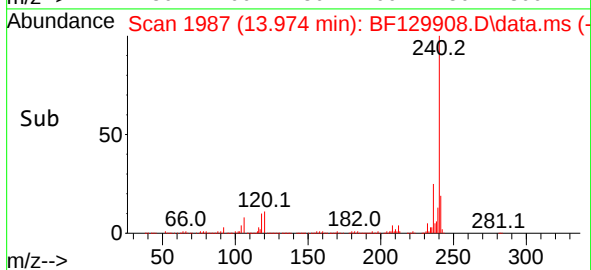
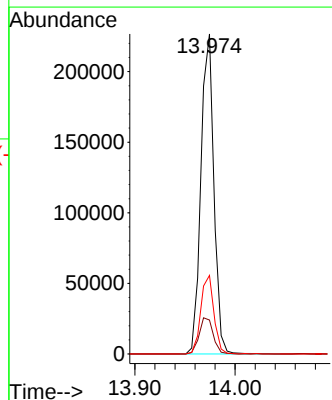
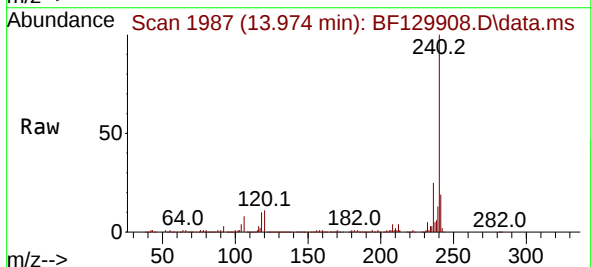
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

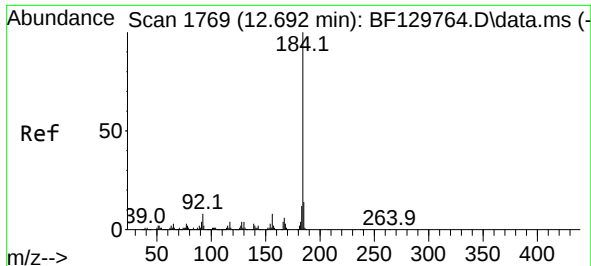
Tgt Ion:248 Resp: 13103  
Ion Ratio Lower Upper  
248 100  
250 189.5 77.8 116.6#  
141 547.1 66.2 99.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 1987  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:240 Resp: 204618  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.2 13.8  
236 24.5 20.7 31.1

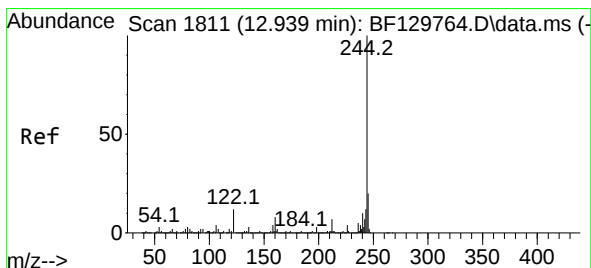
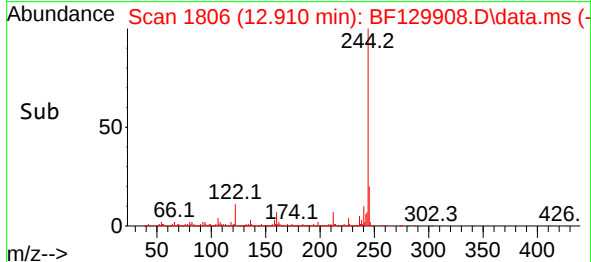
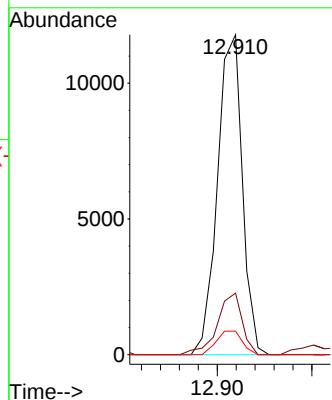
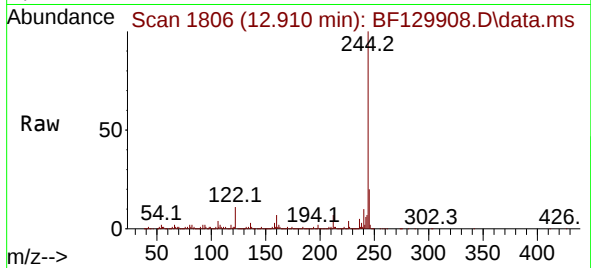




#77  
Benzidine  
Concen: Below Cal  
RT: 12.910 min Scan# 1806  
Delta R.T. 0.247 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

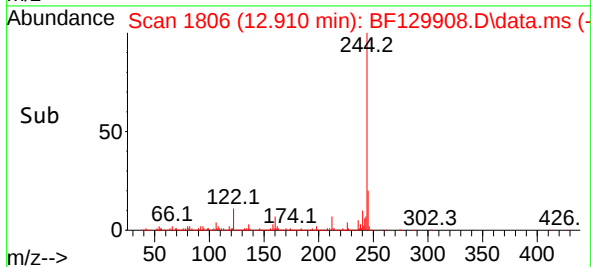
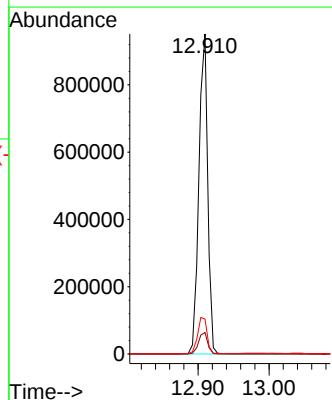
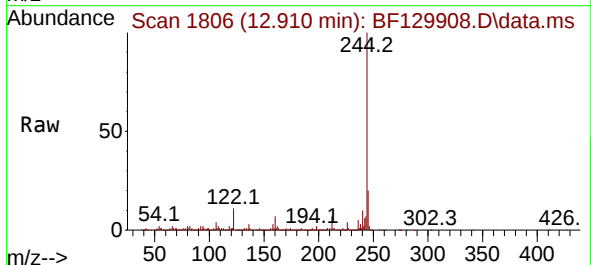
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

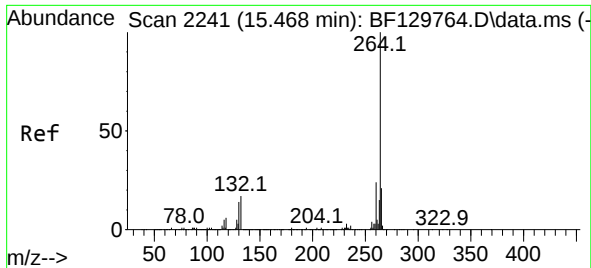
Tgt Ion:184 Resp: 10746  
Ion Ratio Lower Upper  
184 100  
185 19.2 11.4 17.2#  
183 7.4 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 67.005 ng  
RT: 12.910 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Tgt Ion:244 Resp: 823979  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.9 8.9  
122 10.9 9.9 14.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.439 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF129908.D  
Acq: 19 Aug 2022 13:01

Instrument :  
BNA\_F  
ClientSampleId :  
SP-2

Tgt Ion:264 Resp: 252429  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.1  | 28.7  |
| 265 | 22.2  | 16.7  | 25.1  |

