

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080721\  
 Data File : BF124979.D  
 Acq On : 7 Aug 2021 17:52  
 Operator : JU/CG  
 Sample : M3294-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-018

Quant Time: Aug 08 09:09:57 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 06 11:27:24 2021  
 Response via : Initial Calibration

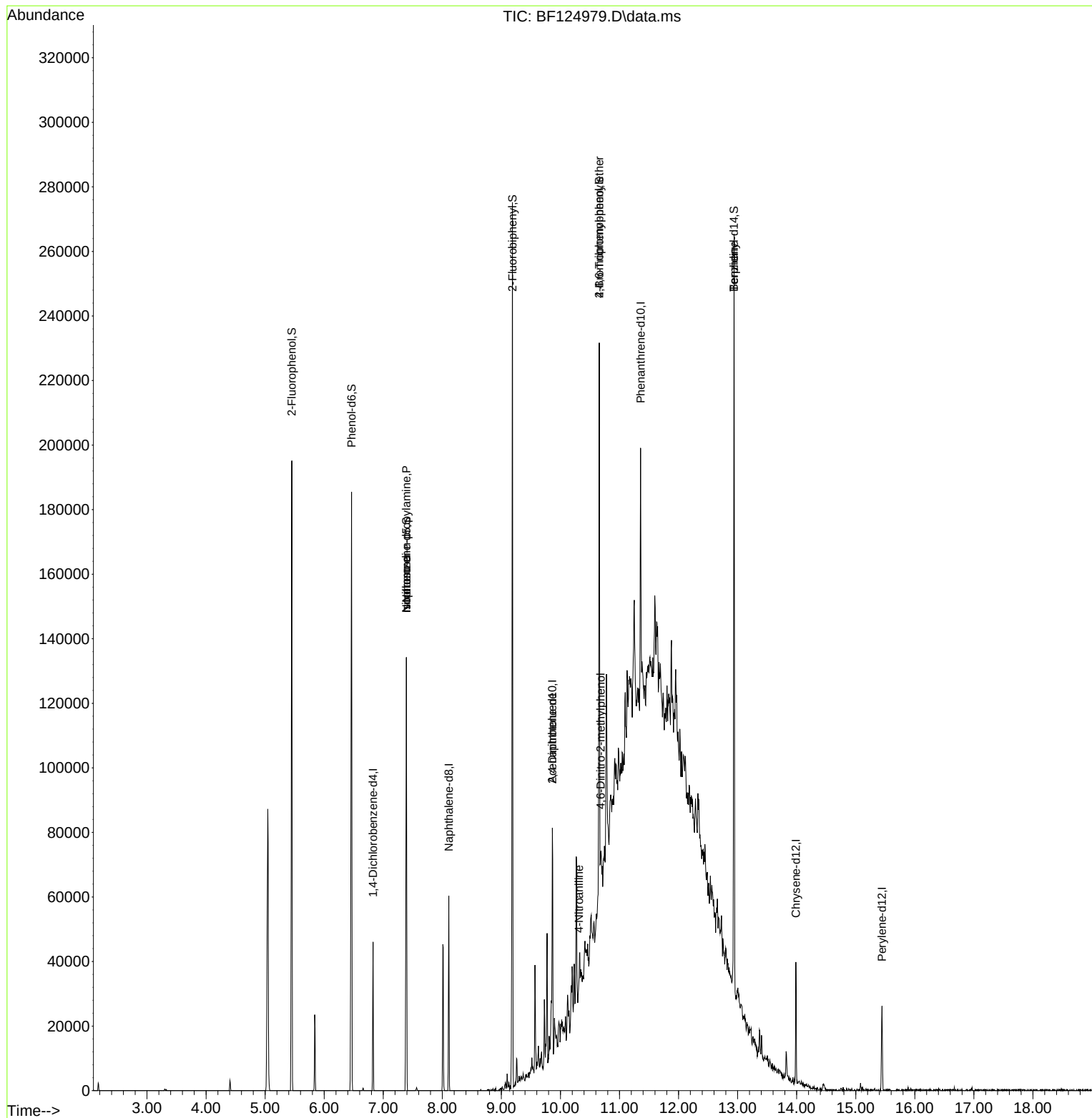
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 5982     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 24153    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.863  | 164  | 13487    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 22597    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 13287    | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 13278    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 49174    | 134.66 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 63668    | 138.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 40686    | 88.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 15843    | 131.49 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 76755    | 83.27  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 68828    | 87.38  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 5355     | 19.60  | ng    | # 70     |
| 25) Isophorone                | 7.392  | 82   | 40686    | 51.63  | ng    | # 59     |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 1707     | 6.18   | ng    | # 18     |
| 62) 4-Nitroaniline            | 10.316 | 138  | 462      | 2.22   | ng    | # 10     |
| 65) 4,6-Dinitro-2-methylph... | 10.680 | 198  | 314      | 2.22   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 1244     | 5.03   | ng    | # 1      |
| 77) Benzidine                 | 12.939 | 184  | 1011     | 2.84   | ng    | # 45     |
| -----                         |        |      |          |        |       |          |

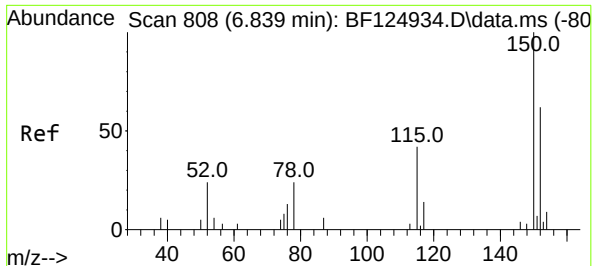
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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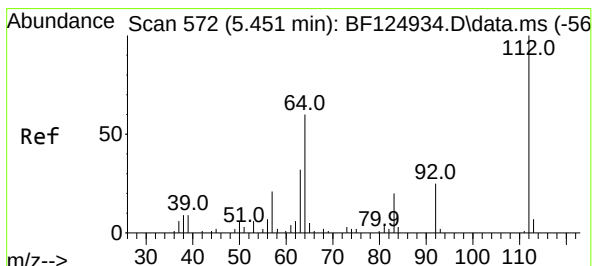
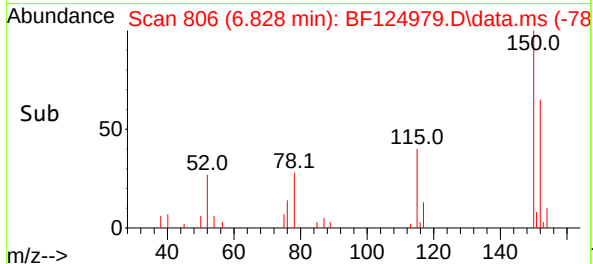
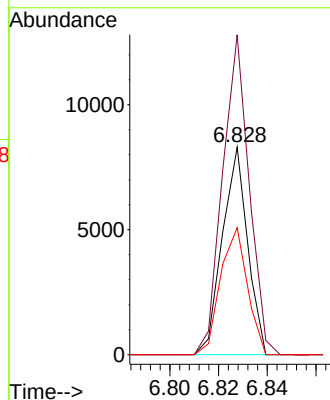
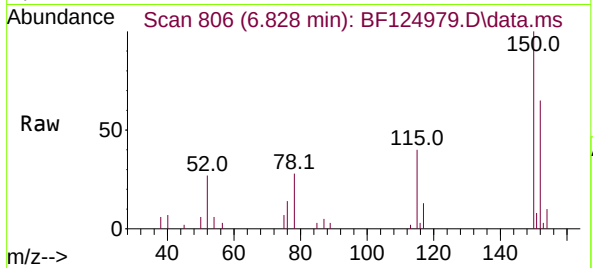




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.828 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

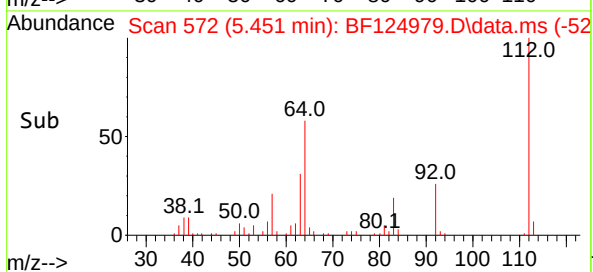
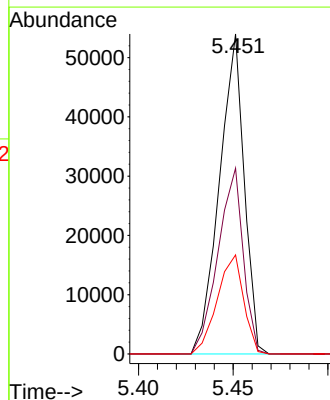
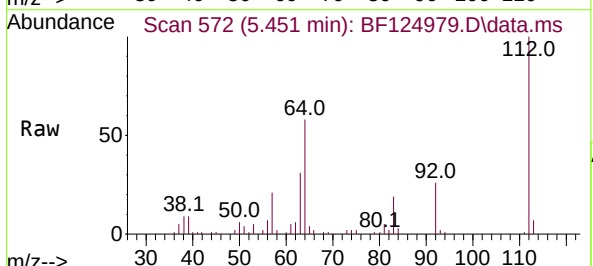
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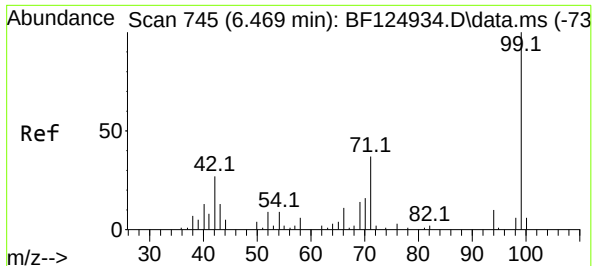
Tgt Ion:152 Resp: 5982  
Ion Ratio Lower Upper  
152 100  
150 154.2 117.6 176.4  
115 61.3 47.1 70.7



#5  
2-Fluorophenol  
Concen: 134.66 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Tgt Ion:112 Resp: 49174  
Ion Ratio Lower Upper  
112 100  
64 58.0 44.2 66.2  
63 30.9 26.2 39.2

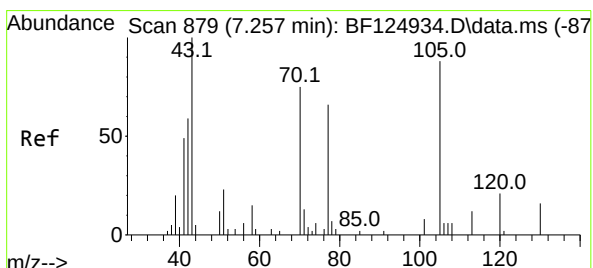
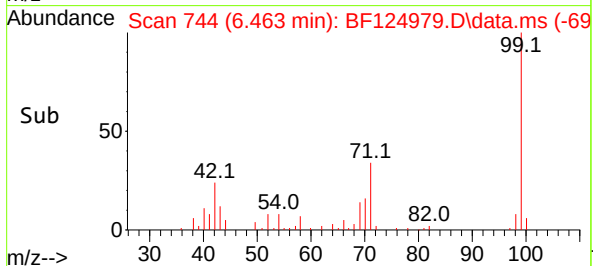
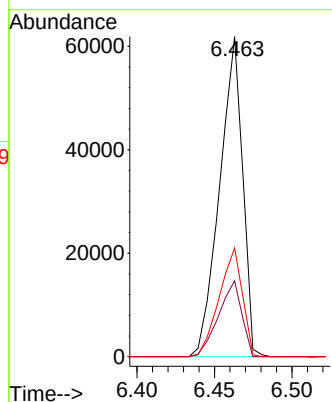
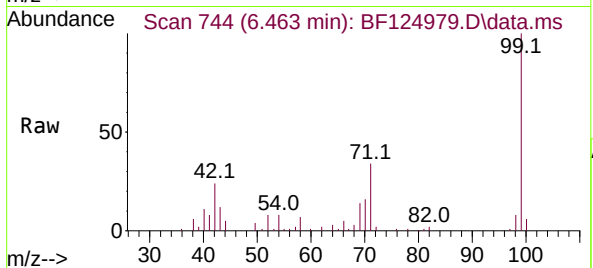




#7  
Phenol-d6  
Concen: 138.27 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

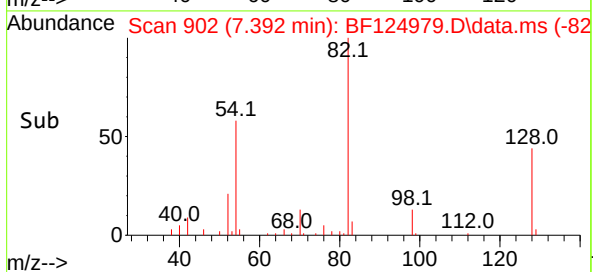
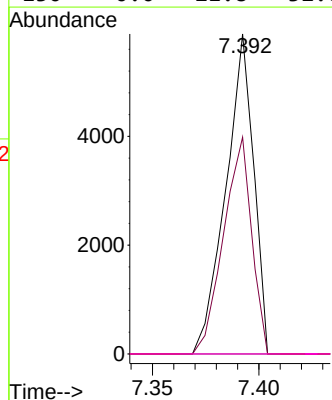
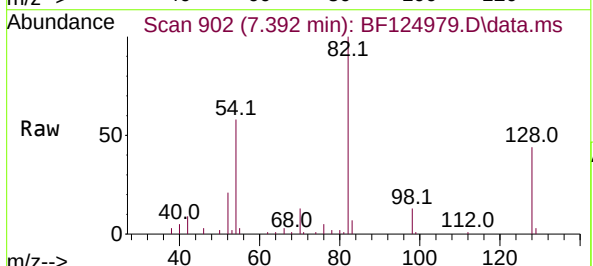
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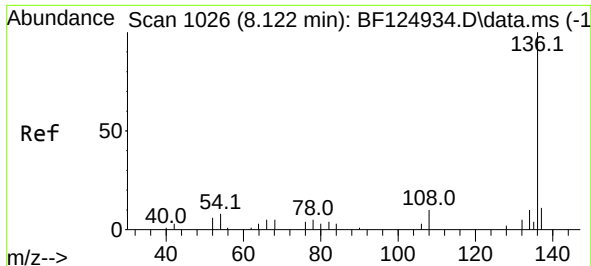
Tgt Ion: 99 Resp: 63668  
Ion Ratio Lower Upper  
99 100  
42 23.7 23.5 35.3  
71 33.9 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.60 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.147 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Tgt Ion: 70 Resp: 5355  
Ion Ratio Lower Upper  
70 100  
42 67.8 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

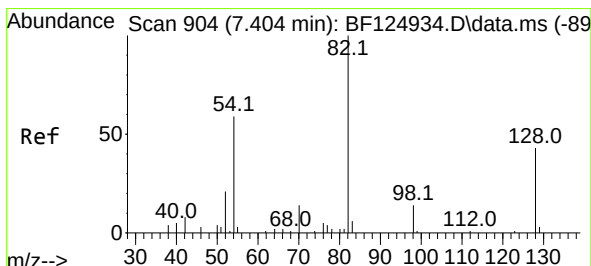
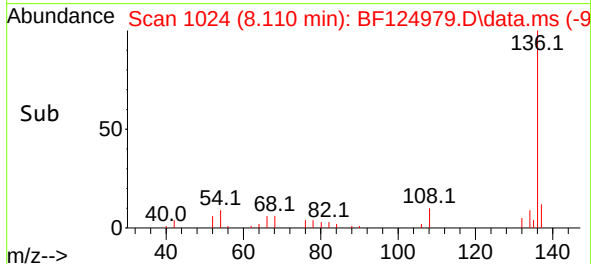
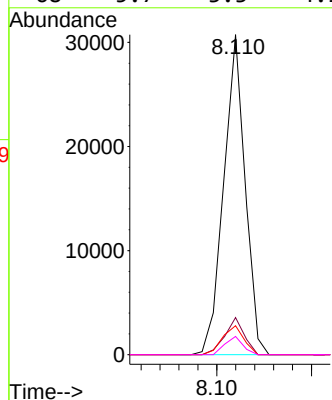
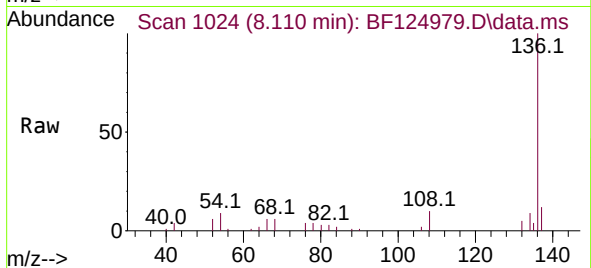




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

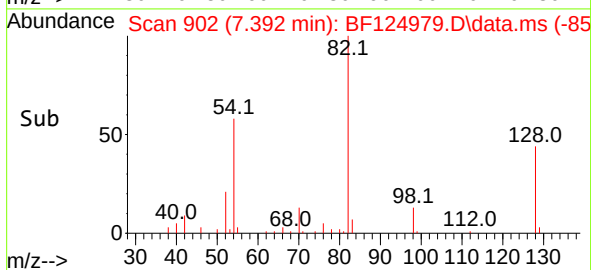
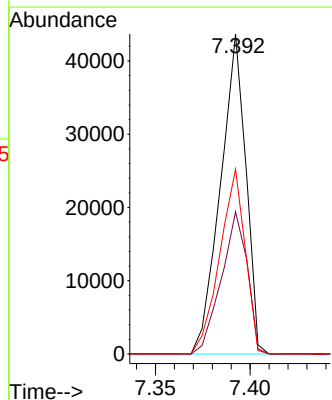
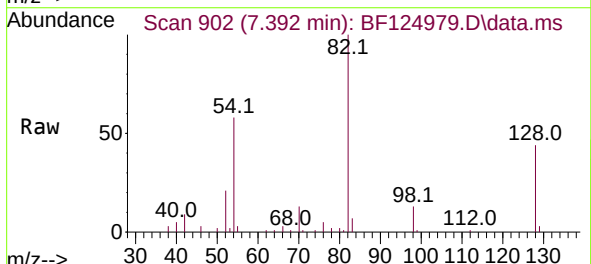
Instrument :  
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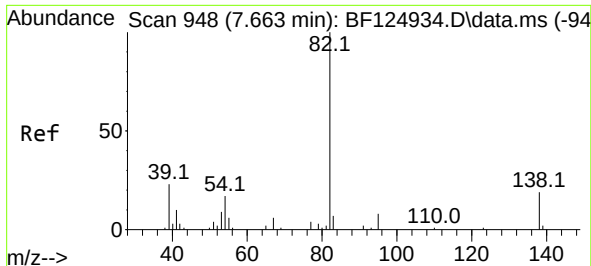
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 24153    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.6  | 9.8 14.6 |
| 54          | 9.1   | 6.4 9.6  |
| 68          | 5.7   | 3.3 4.9# |



#23  
Nitrobenzene-d5  
Concen: 88.12 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 40686     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.5  | 40.6 60.8 |
| 54          | 57.7  | 49.6 74.4 |

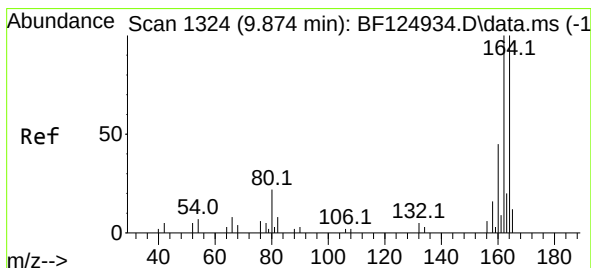
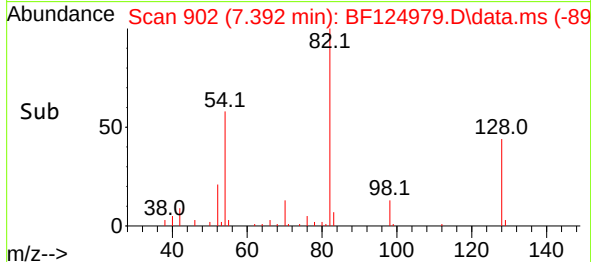
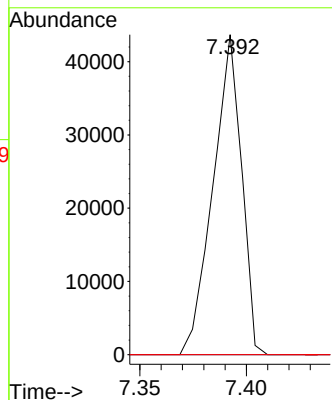
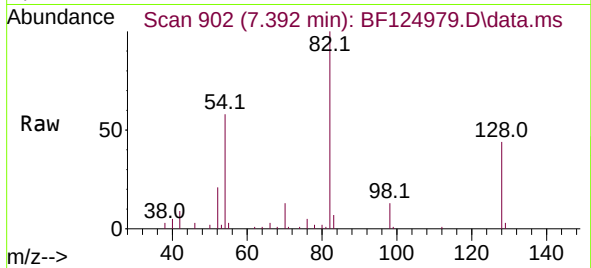




#25  
Isophorone  
Concen: 51.63 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.265 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

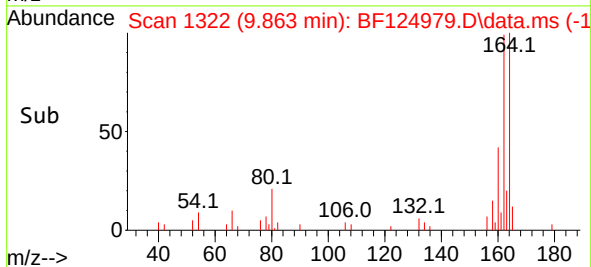
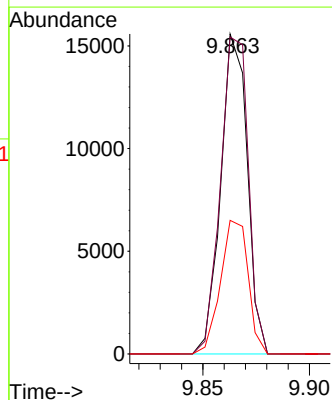
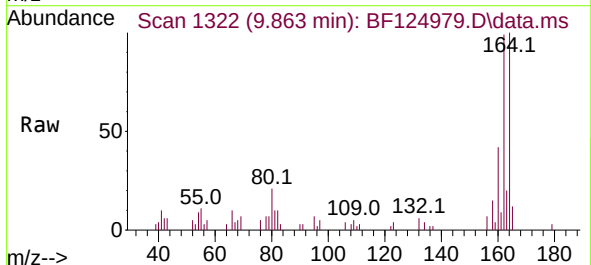
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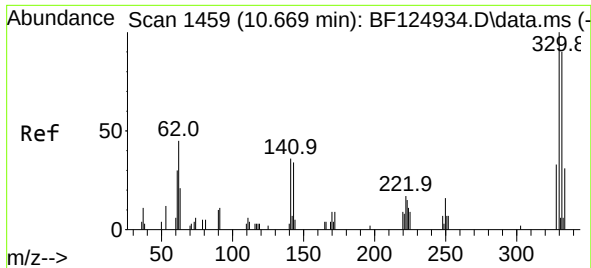
Tgt Ion: 82 Resp: 40686  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Tgt Ion: 164 Resp: 13487  
Ion Ratio Lower Upper  
164 100  
162 99.1 81.3 121.9  
160 41.7 38.0 57.0

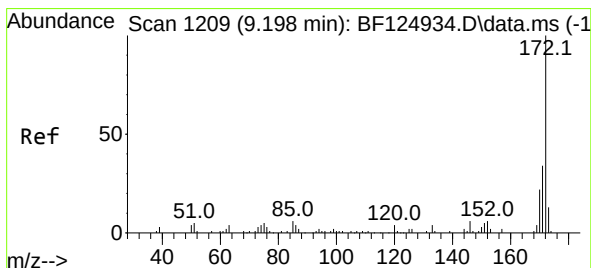
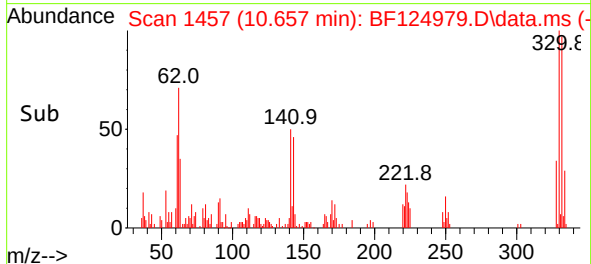
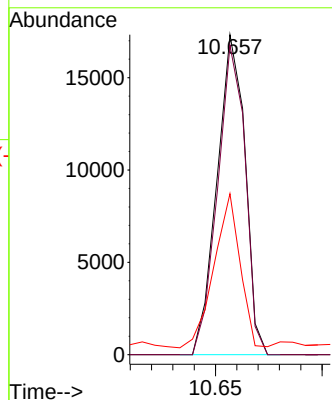
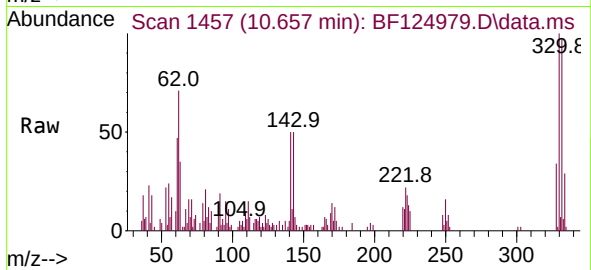




#42  
2,4,6-Tribromophenol  
Concen: 131.49 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

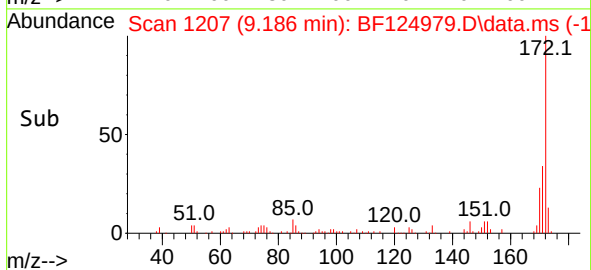
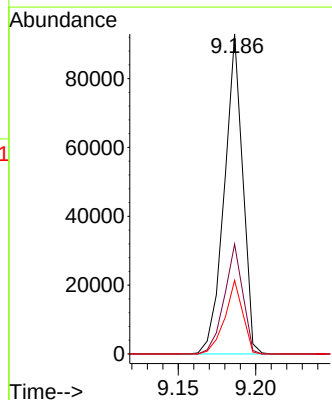
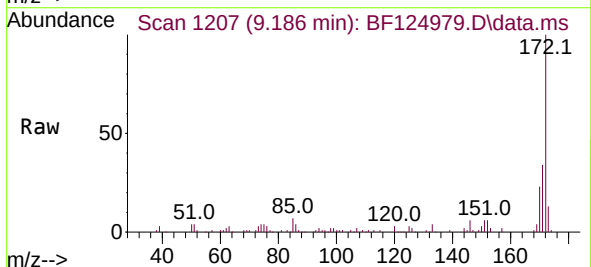
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-018

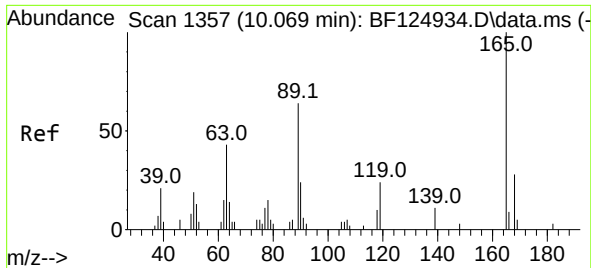
Tgt Ion:330 Resp: 15843  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.2 114.4  
141 47.2 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 83.27 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

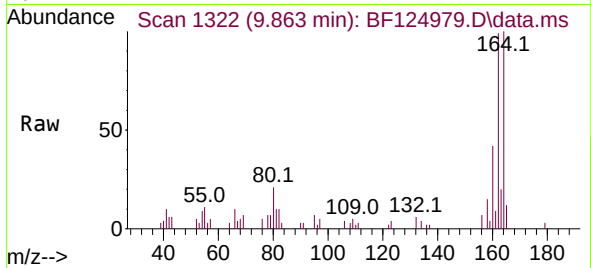
Tgt Ion:172 Resp: 76755  
Ion Ratio Lower Upper  
172 100  
171 34.3 26.5 39.7  
170 23.0 18.8 28.2



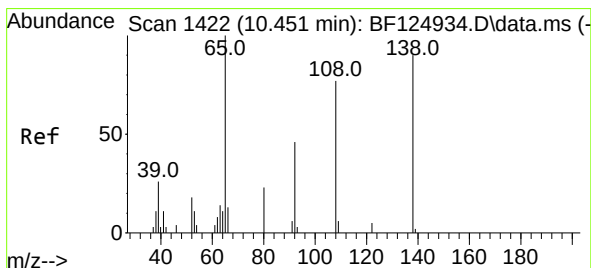
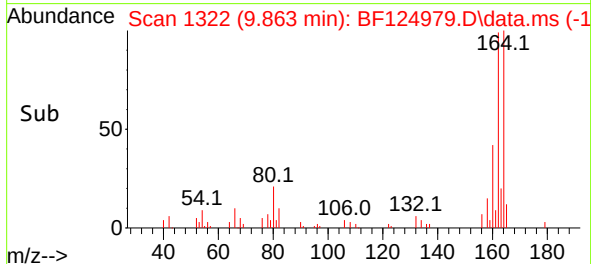
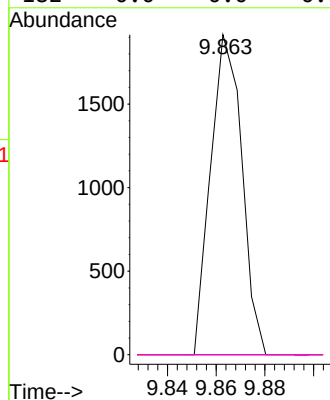


#57  
2,4-Dinitrotoluene  
Concen: 6.18 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.194 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-018

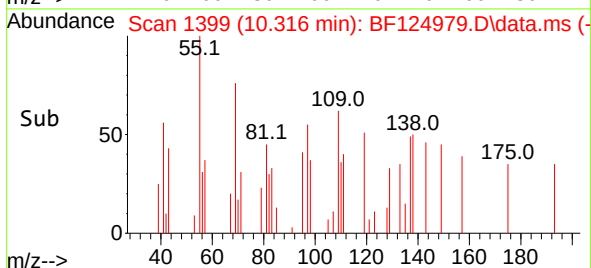
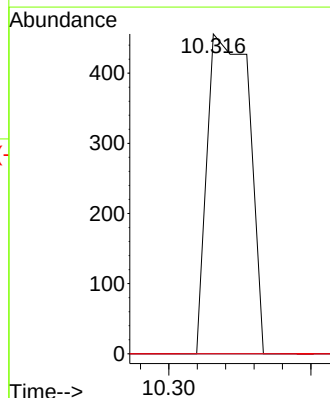
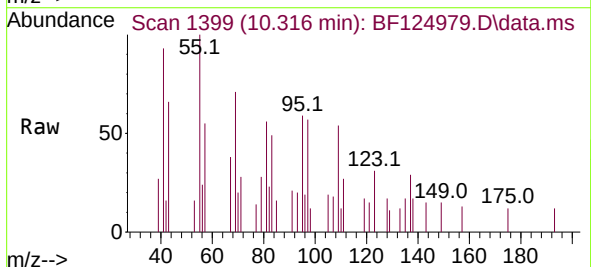


Tgt Ion:165 Resp: 1707  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0

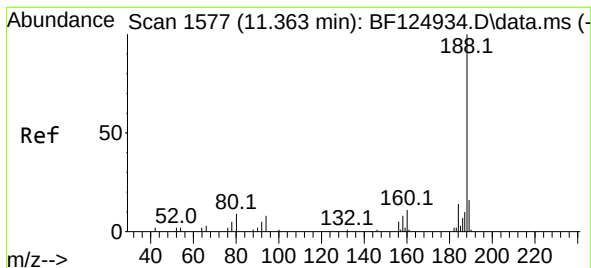


#62  
4-Nitroaniline  
Concen: 2.22 ng  
RT: 10.316 min Scan# 1399  
Delta R.T. -0.123 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Tgt Ion:138 Resp: 462  
Ion Ratio Lower Upper  
138 100  
92 0.0 29.6 69.6#  
108 0.0 78.1 118.1#



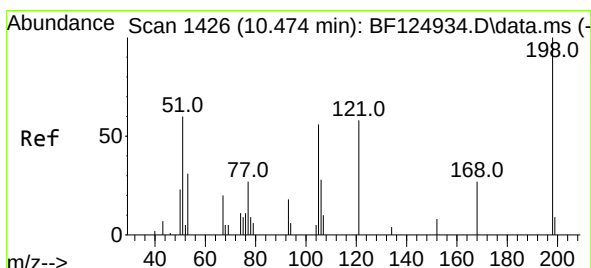
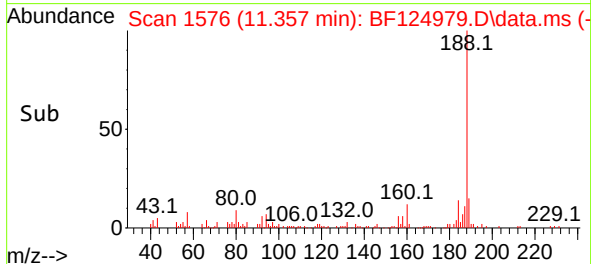
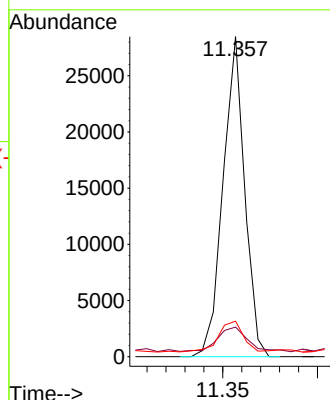
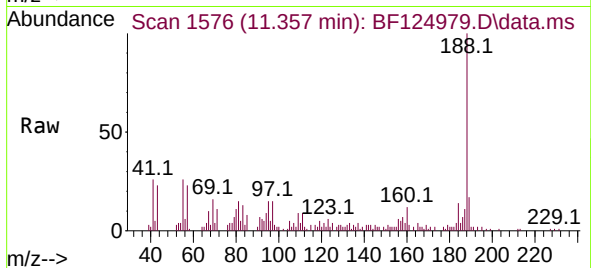




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

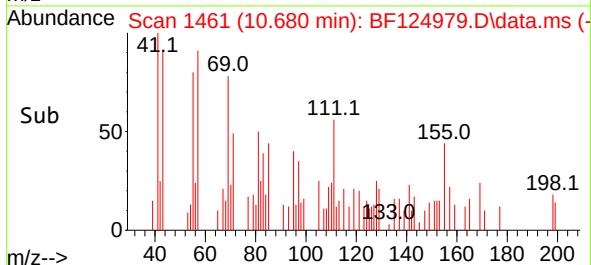
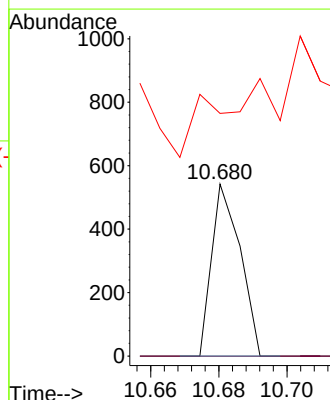
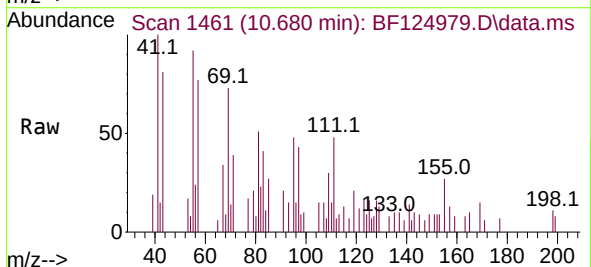
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-018

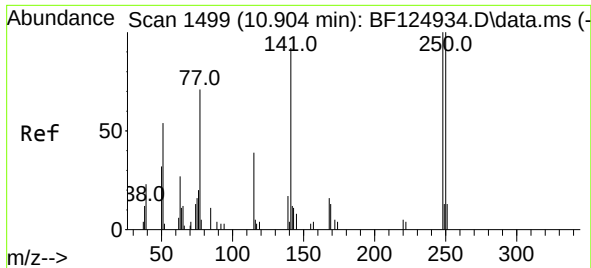
Tgt Ion:188 Resp: 22597  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.7 10.1  
80 11.1 7.5 11.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.22 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. 0.212 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

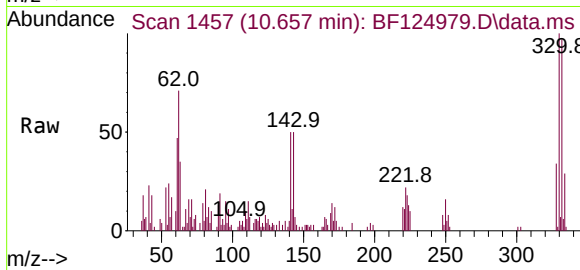
Tgt Ion:198 Resp: 314  
Ion Ratio Lower Upper  
198 100  
51 0.0 45.3 85.3#  
105 141.1 30.6 70.6#



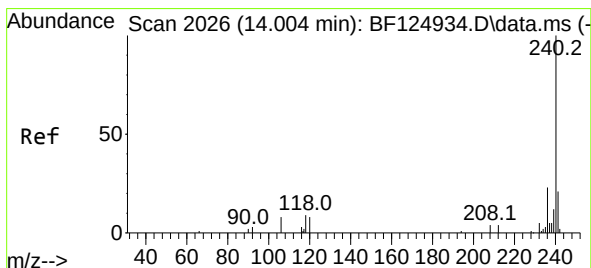
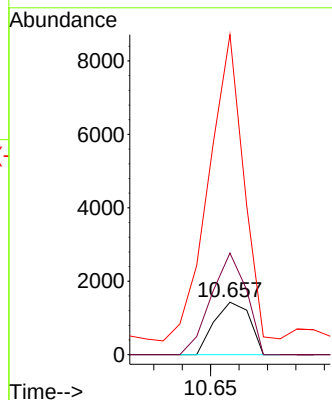
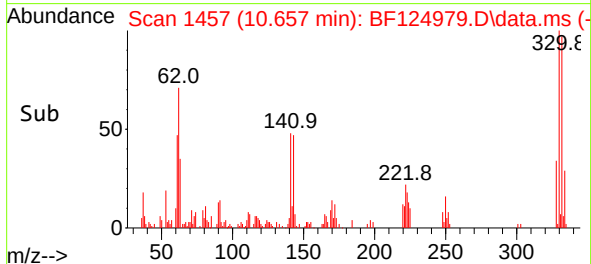


#67  
4-Bromophenyl-phenylether  
Concen: 5.03 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.241 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

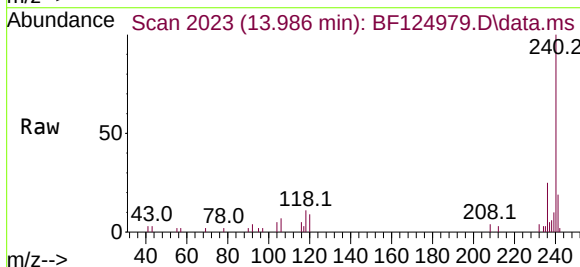
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-018



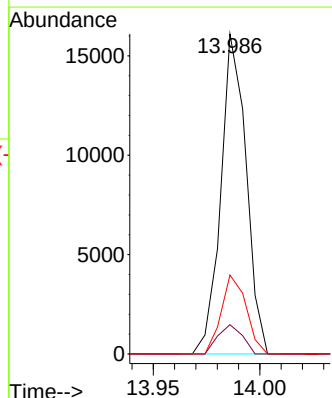
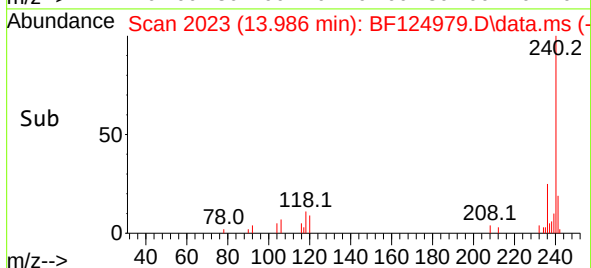
Tgt Ion:248 Resp: 1244  
Ion Ratio Lower Upper  
248 100  
250 193.4 74.2 111.4#  
141 609.5 60.4 90.6#

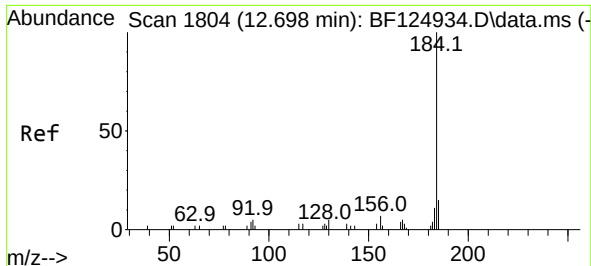


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.006 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52



Tgt Ion:240 Resp: 13287  
Ion Ratio Lower Upper  
240 100  
120 9.1 10.8 16.2#  
236 24.7 21.6 32.4

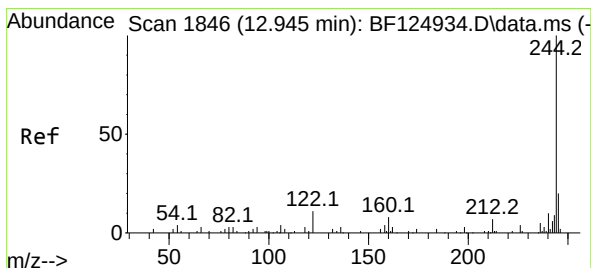
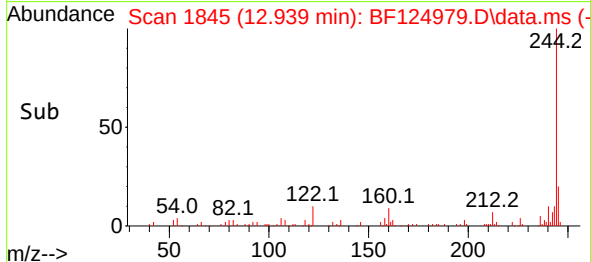
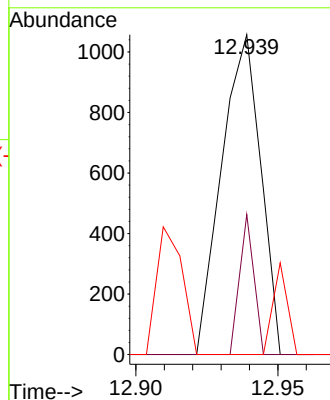
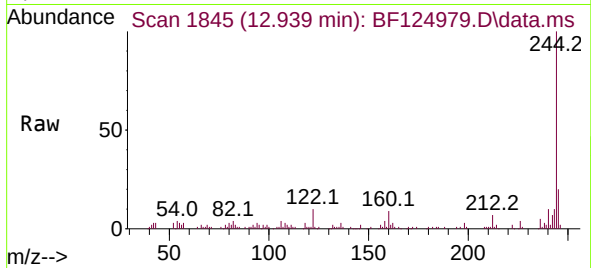




#77  
Benzidine  
Concen: 2.84 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. 0.253 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

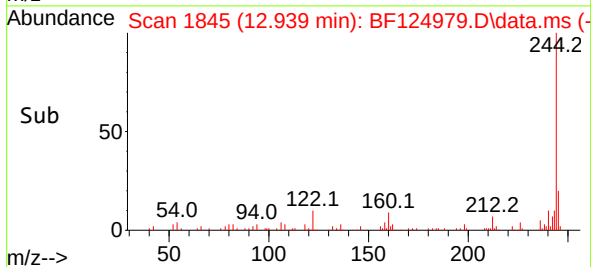
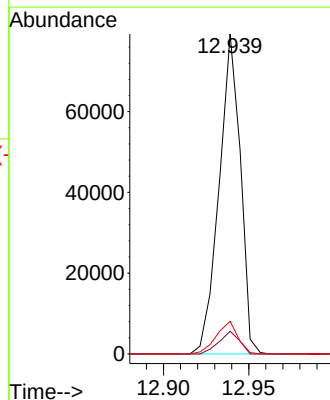
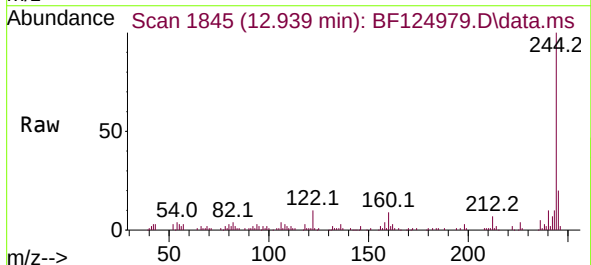
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-018

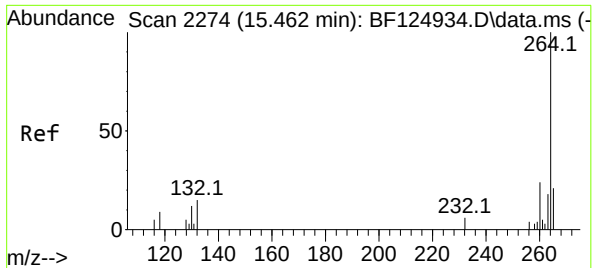
Tgt Ion:184 Resp: 1011  
Ion Ratio Lower Upper  
184 100  
185 43.8 10.8 16.2#  
183 0.0 8.1 12.1#



#79  
Terphenyl-d14  
Concen: 87.38 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BF124979.D  
Acq: 7 Aug 2021 17:52

Tgt Ion:244 Resp: 68828  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 10.2 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.445 min Scan# 2271  
 Delta R.T. 0.000 min  
 Lab File: BF124979.D  
 Acq: 7 Aug 2021 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 13278 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 23.5  | 19.6  | 29.4  |
| 265       | 19.1  | 17.2  | 25.8  |

