

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080921\  
 Data File : BF124997.D  
 Acq On : 9 Aug 2021 10:30  
 Operator : JU/CG  
 Sample : PB138244BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB138244BL

Quant Time: Aug 09 11:04:51 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 09 11:03:44 2021  
 Response via : Initial Calibration

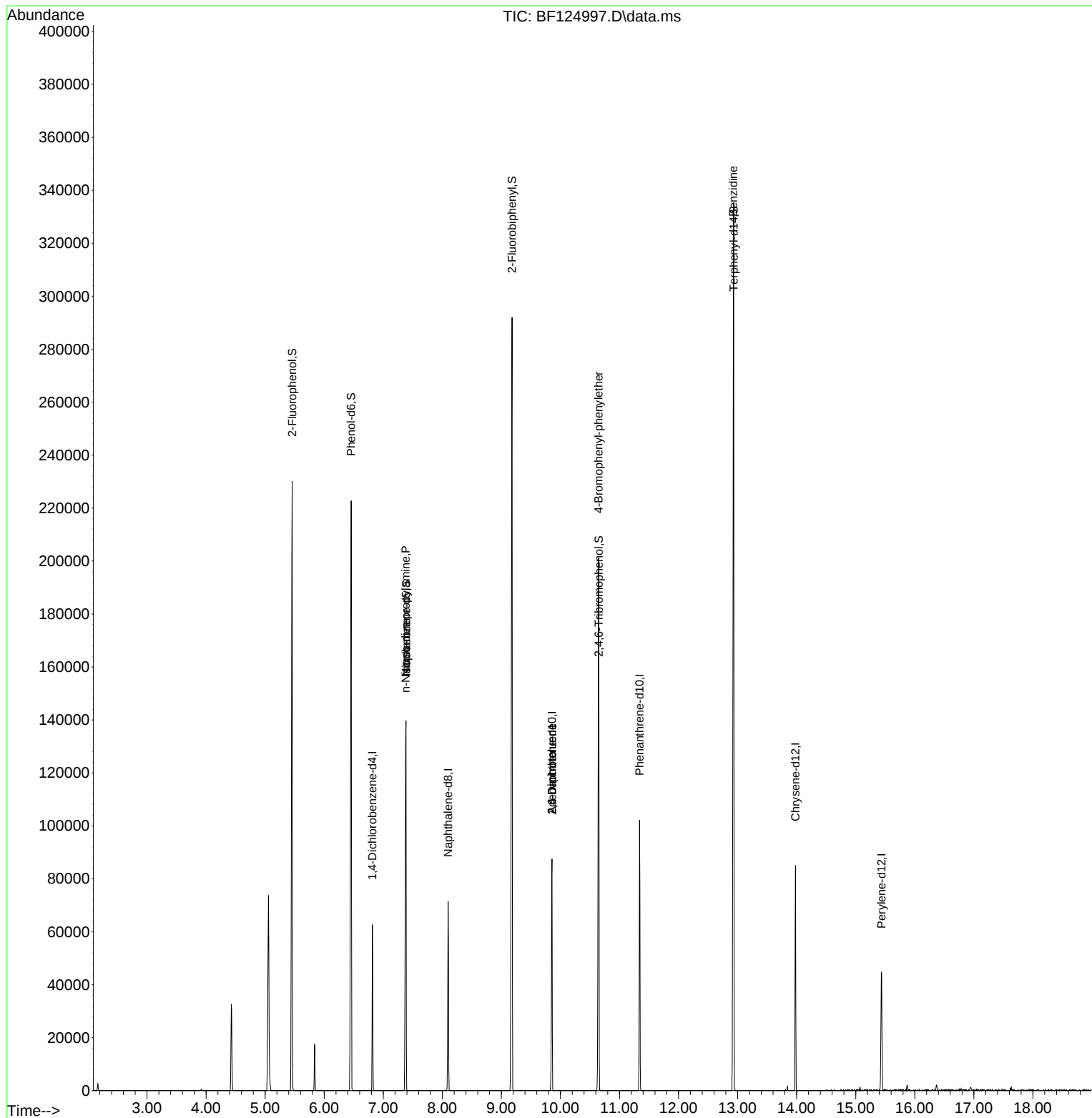
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 9342     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 35504    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 20396    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 37969    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 28973    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.433 | 264  | 22587    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 65198    | 114.324 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.457  | 99   | 76406    | 106.253 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 51793    | 76.313  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 22012    | 120.801 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 107103   | 76.837  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 129526   | 75.411  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 7121     | 16.689  | ng    | # 59     |
| 25) Isophorone                | 7.387  | 82   | 51806    | 44.724  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 2404     | 7.811   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 2404     | 5.753   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 1658     | 3.987   | ng    | # 1      |
| 77) Benzidine                 | 12.927 | 184  | 1633     | 2.106   | ng    | # 84     |
| -----                         |        |      |          |         |       |          |

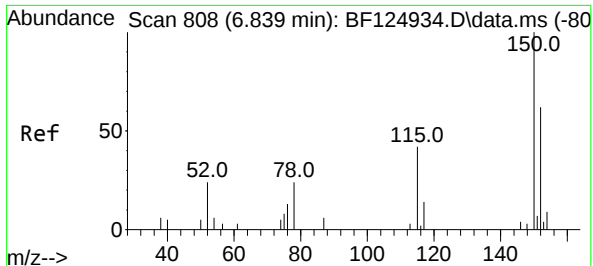
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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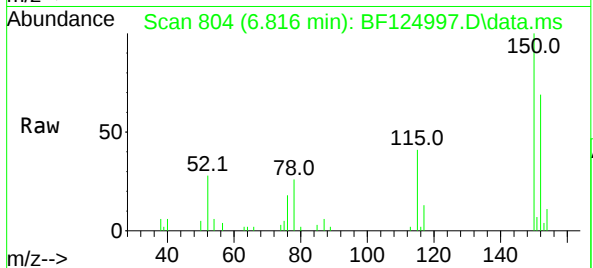
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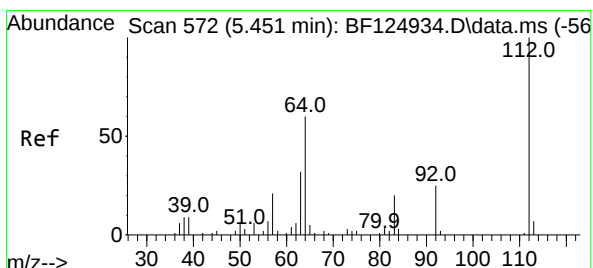
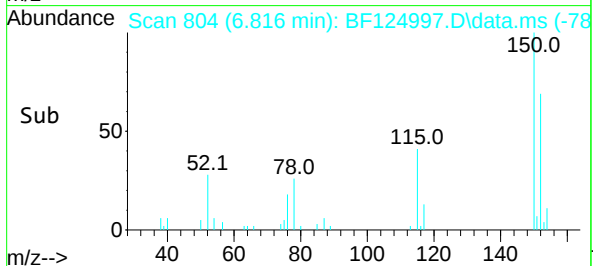
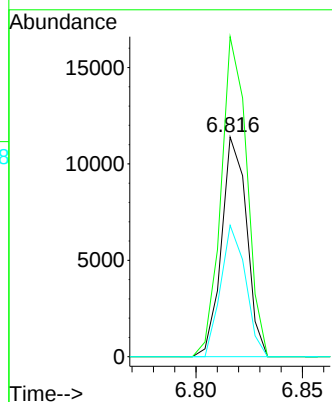


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB138244BL

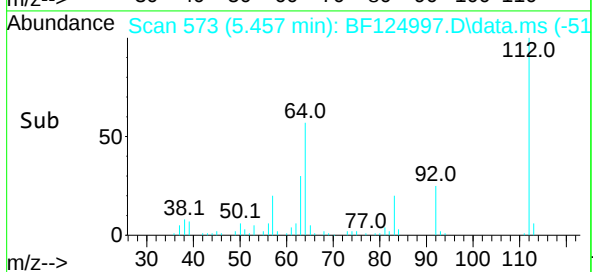
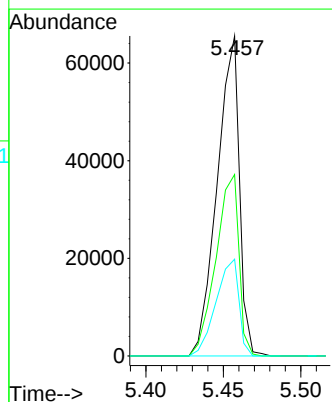
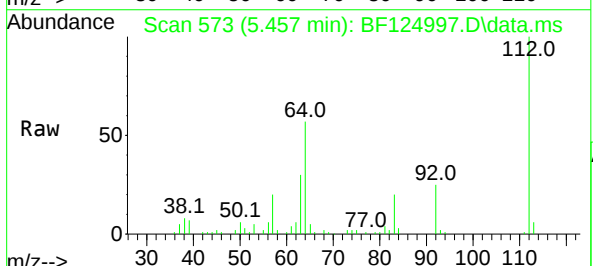


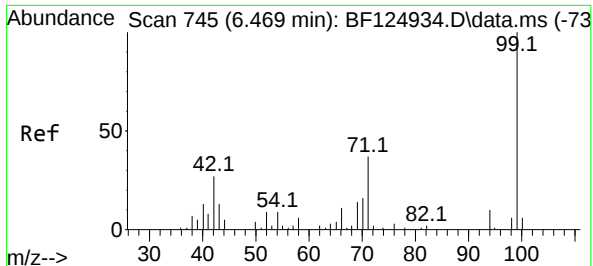
Tgt Ion:152 Resp: 9342  
Ion Ratio Lower Upper  
152 100  
150 145.6 117.6 176.4  
115 59.7 47.1 70.7



#5  
2-Fluorophenol  
Concen: 114.324 ng  
RT: 5.457 min Scan# 573  
Delta R.T. 0.018 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:112 Resp: 65198  
Ion Ratio Lower Upper  
112 100  
64 56.7 44.2 66.2  
63 30.3 26.2 39.2

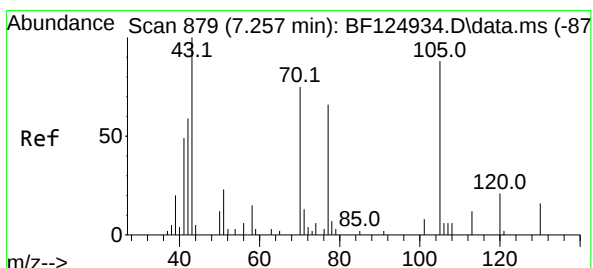
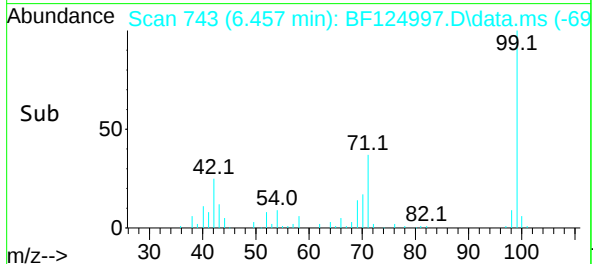
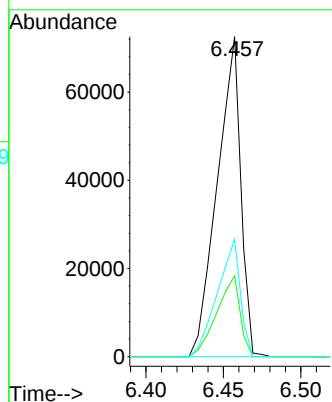
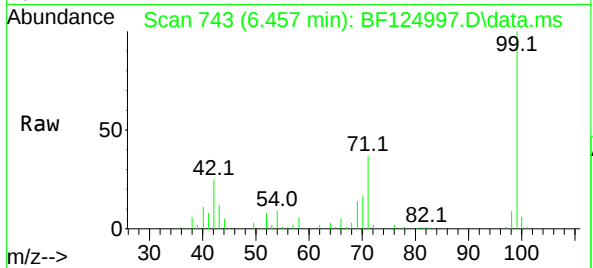




#7  
Phenol-d6  
Concen: 106.253 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

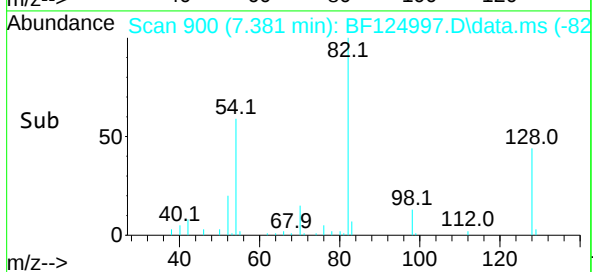
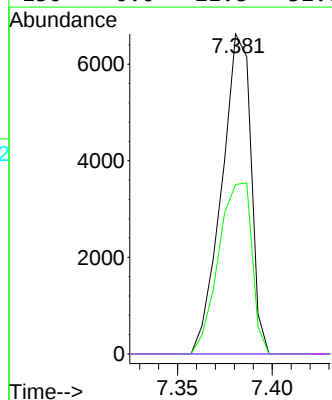
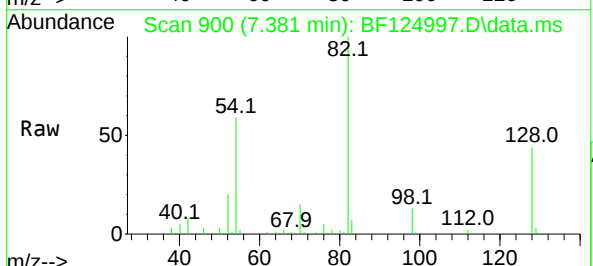
Instrument :  
BNA\_F  
ClientSampleId :  
PB138244BL

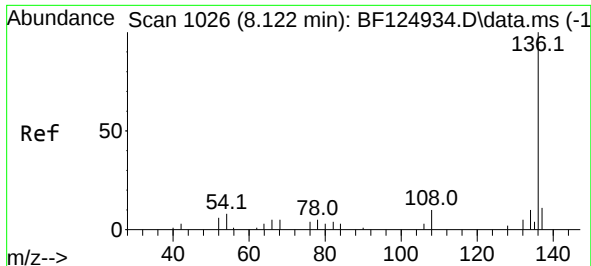
Tgt Ion: 99 Resp: 76406  
Ion Ratio Lower Upper  
99 100  
42 25.3 23.5 35.3  
71 36.7 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.689 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.141 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

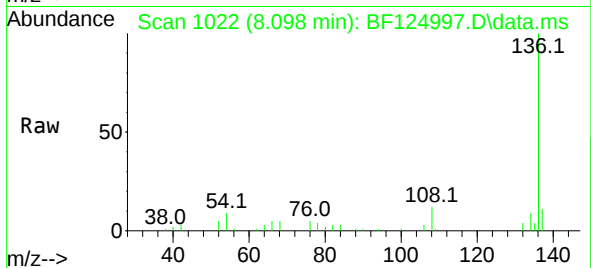
Tgt Ion: 70 Resp: 7121  
Ion Ratio Lower Upper  
70 100  
42 52.9 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#



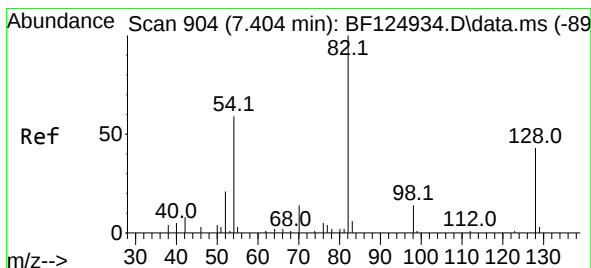
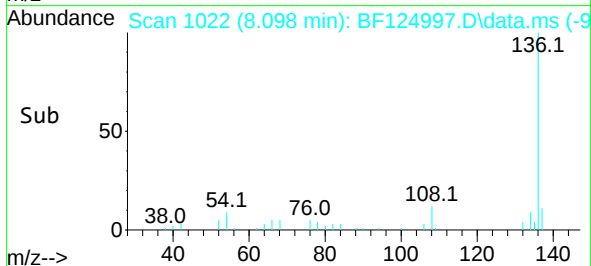
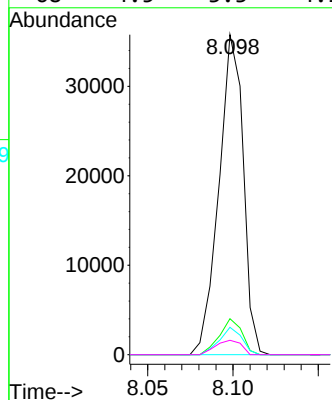


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Instrument :  
BNA\_F  
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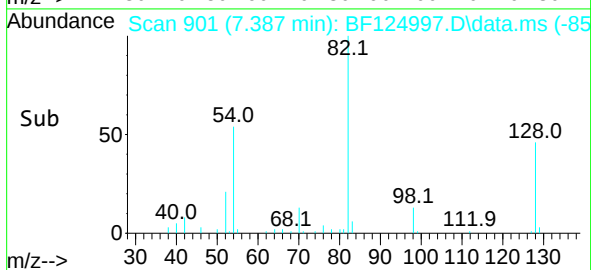
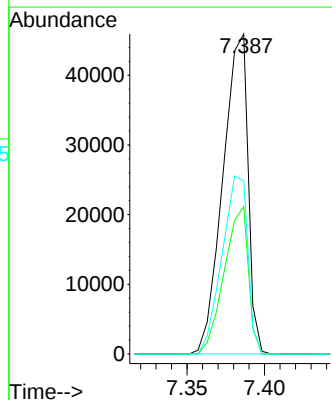
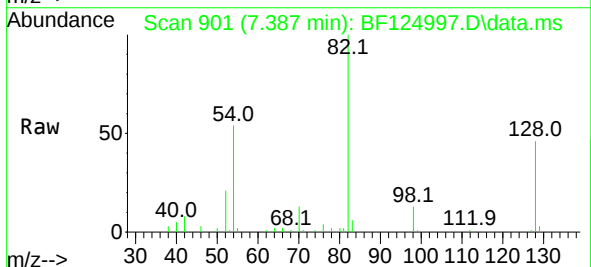


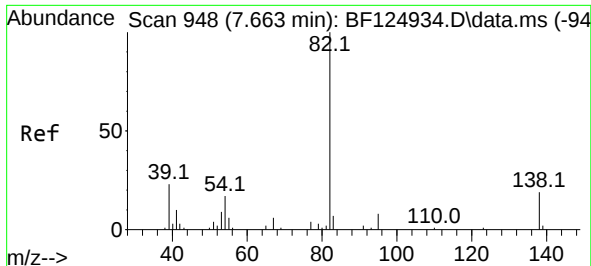
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 35504    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 9.8 14.6 |
| 54          | 8.6   | 6.4 9.6  |
| 68          | 4.5   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 76.313 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 51793     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.0  | 40.6 60.8 |
| 54          | 54.0  | 49.6 74.4 |

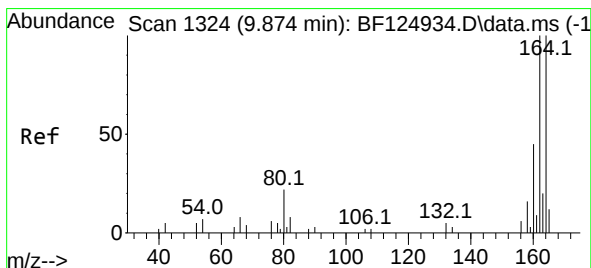
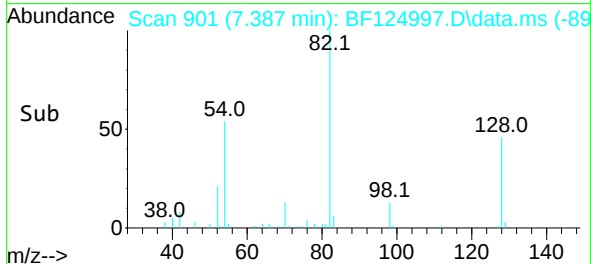
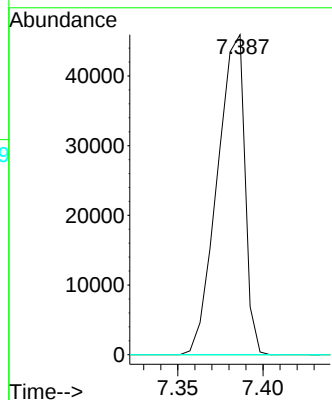
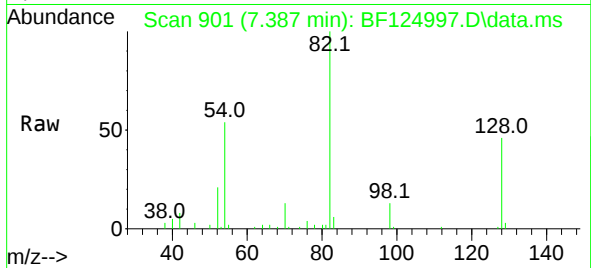




#25  
Isophorone  
Concen: 44.724 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

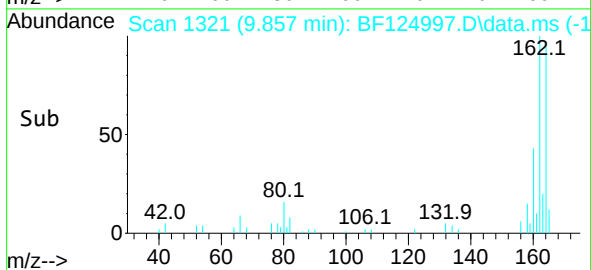
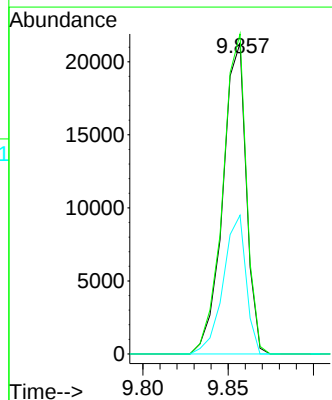
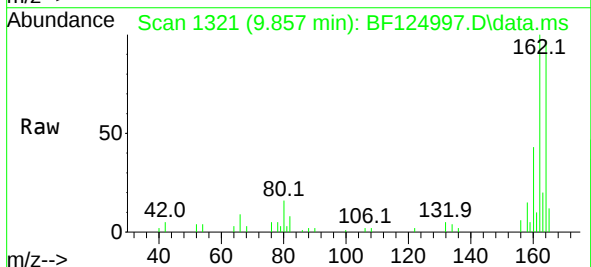
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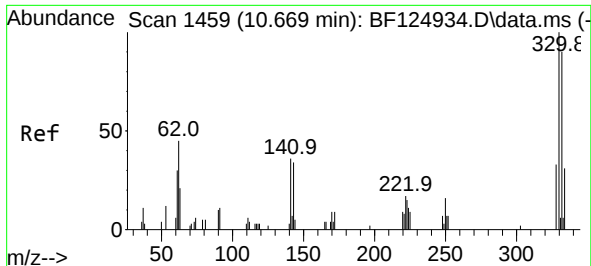
Tgt Ion: 82 Resp: 51806  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:164 Resp: 20396  
Ion Ratio Lower Upper  
164 100  
162 103.0 81.3 121.9  
160 44.6 38.0 57.0

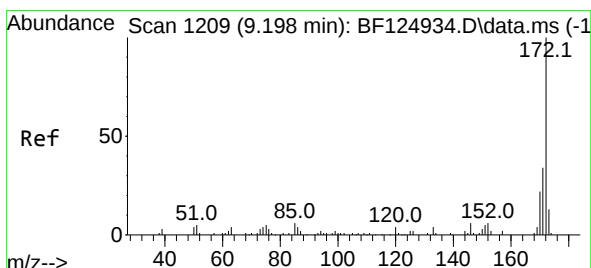
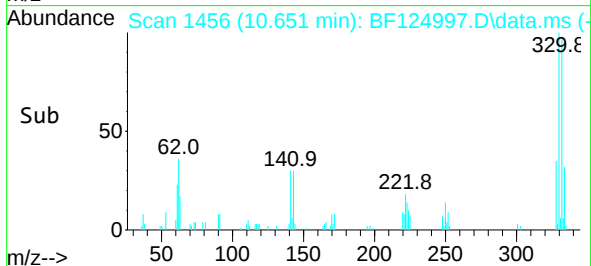
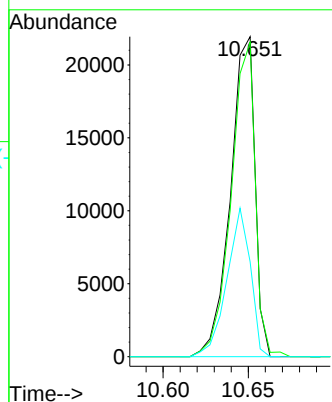
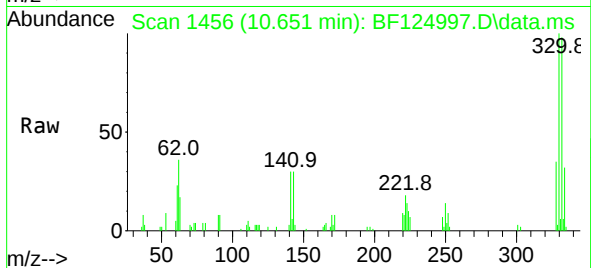




#42  
2,4,6-Tribromophenol  
Concen: 120.801 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. 0.000 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

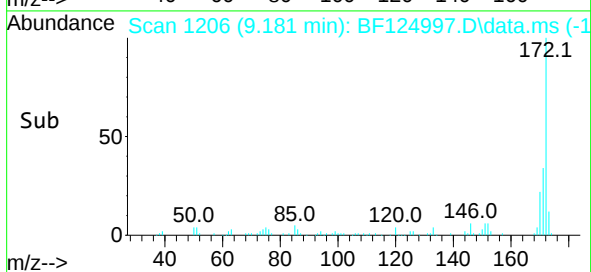
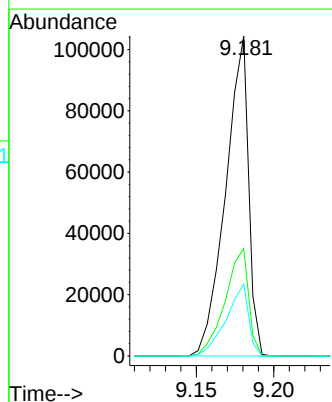
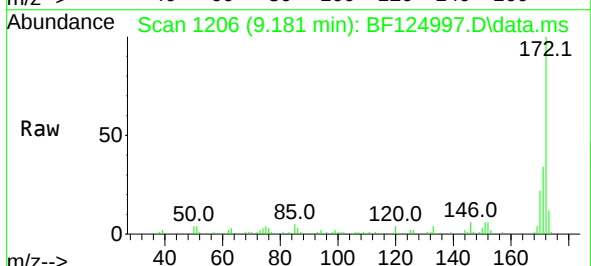
Instrument :  
BNA\_F  
ClientSampleId :  
PB138244BL

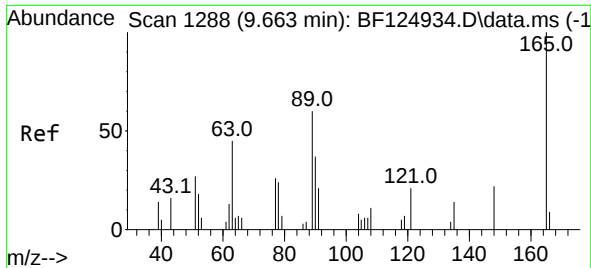
Tgt Ion:330 Resp: 22012  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.2 114.4  
141 44.3 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 76.837 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:172 Resp: 107103  
Ion Ratio Lower Upper  
172 100  
171 33.6 26.5 39.7  
170 22.5 18.8 28.2

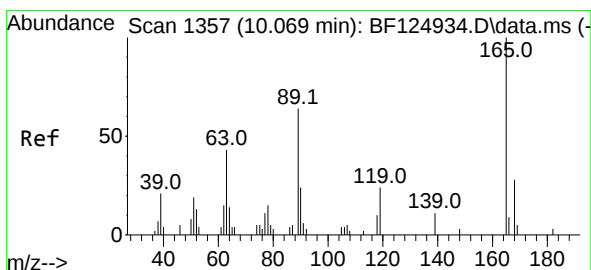
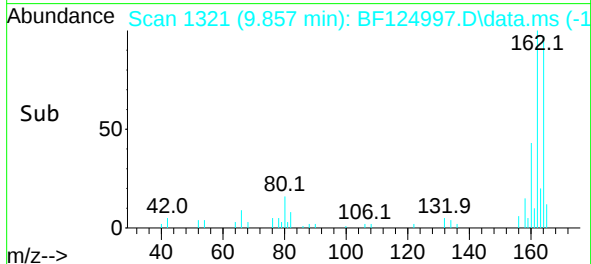
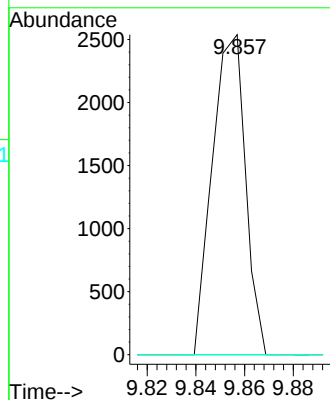
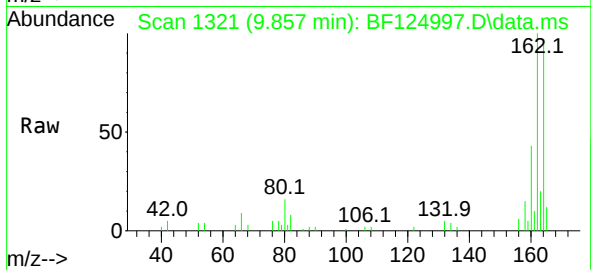




#51  
2,6-Dinitrotoluene  
Concen: 7.811 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.212 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

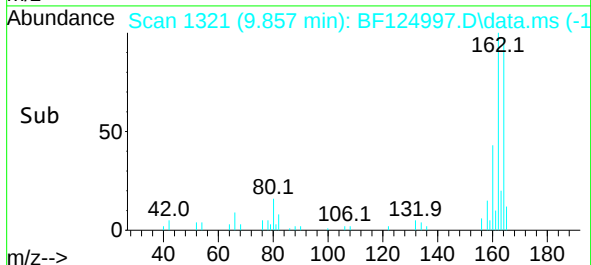
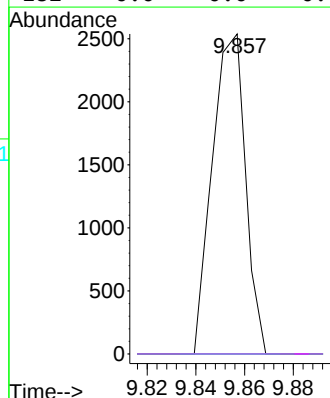
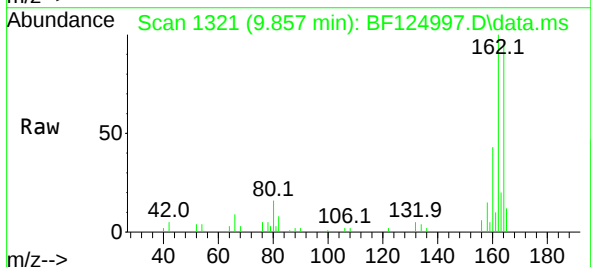
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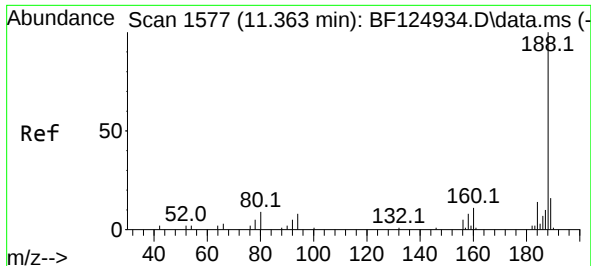
Tgt Ion:165 Resp: 2404  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.753 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.194 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:165 Resp: 2404  
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

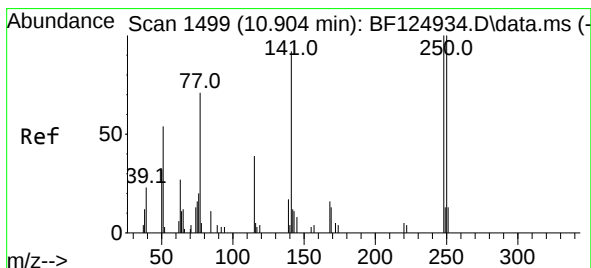
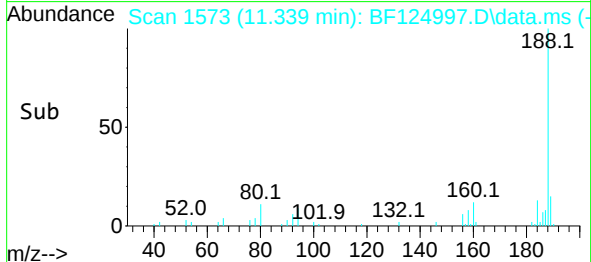
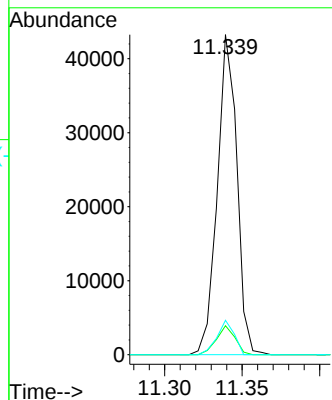
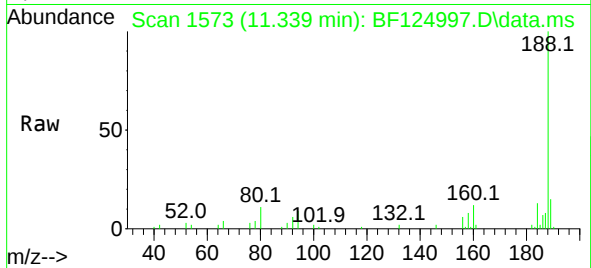




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

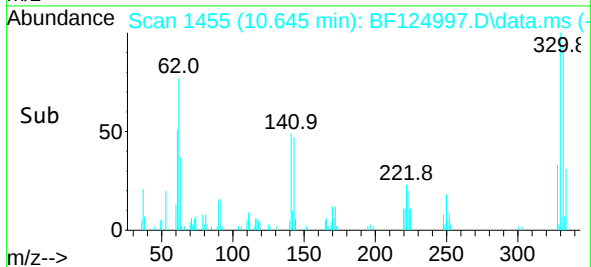
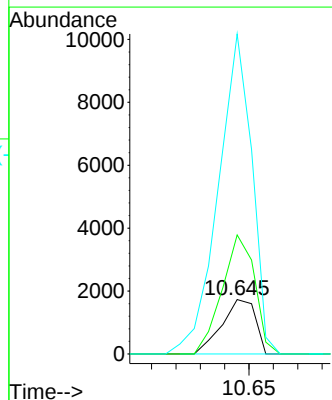
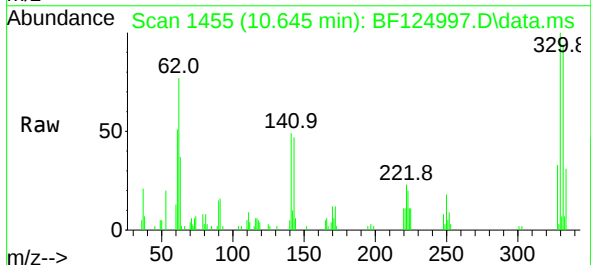
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BNA\_F  
ClientSampleId :  
PB138244BL

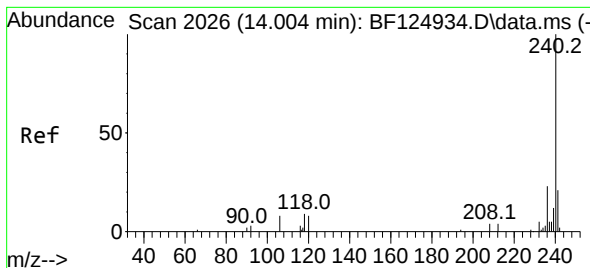
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Ion Ratio Lower Upper  
188 100  
94 9.0 6.7 10.1  
80 10.7 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.987 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.241 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:248 Resp: 1658  
Ion Ratio Lower Upper  
248 100  
250 218.9 74.2 111.4#  
141 588.4 60.4 90.6#

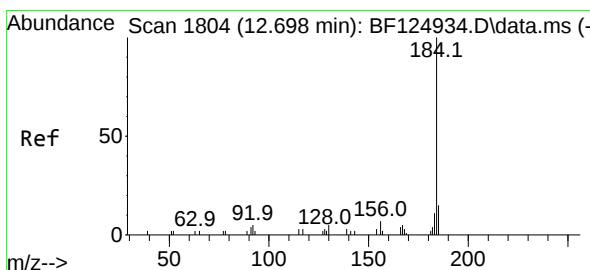
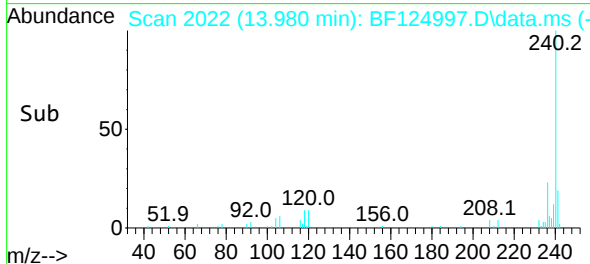
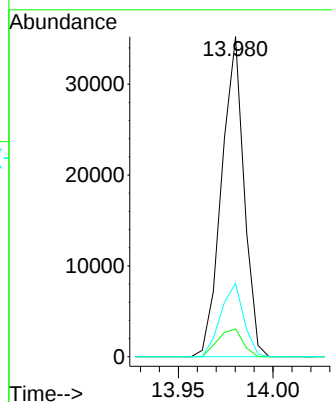
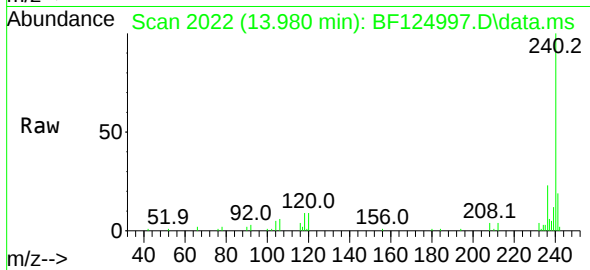




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

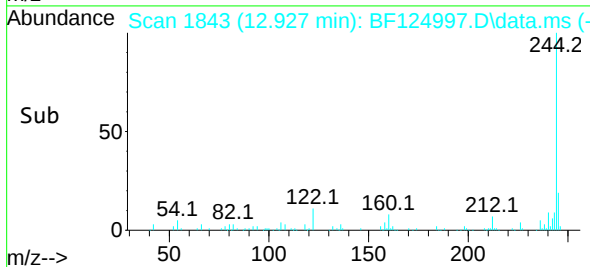
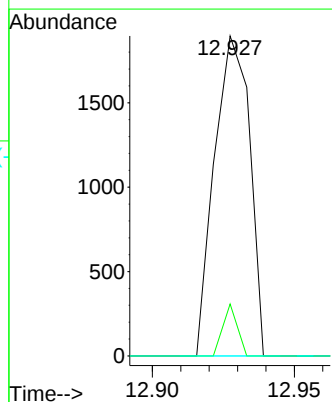
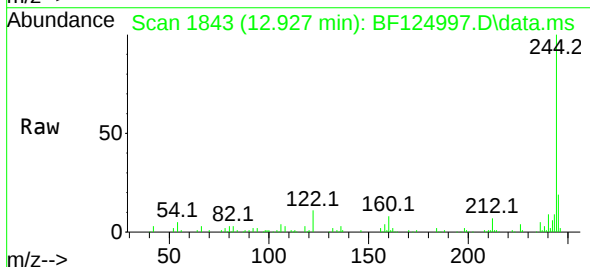
Instrument :  
BNA\_F  
ClientSampleId :  
PB138244BL

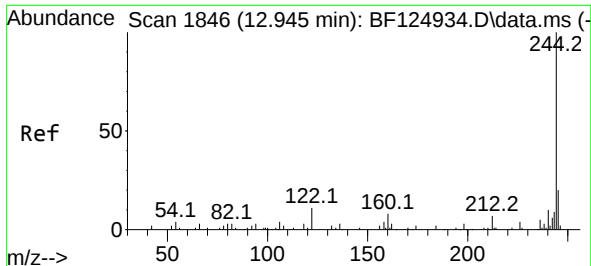
Tgt Ion:240 Resp: 28973  
Ion Ratio Lower Upper  
240 100  
120 8.6 10.8 16.2#  
236 23.0 21.6 32.4



#77  
Benzidine  
Concen: 2.106 ng  
RT: 12.927 min Scan# 1843  
Delta R.T. 0.247 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:184 Resp: 1633  
Ion Ratio Lower Upper  
184 100  
185 16.2 10.8 16.2#  
183 0.0 8.1 12.1#

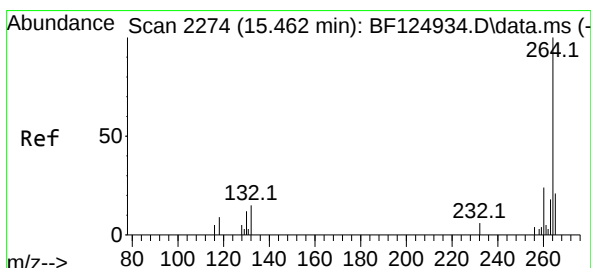
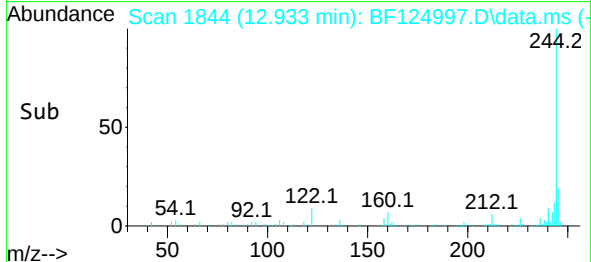
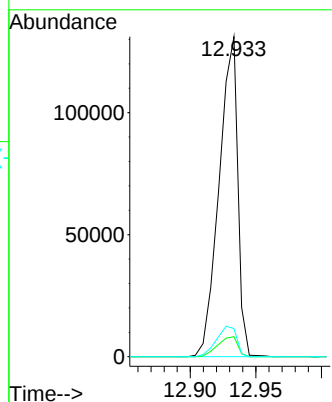
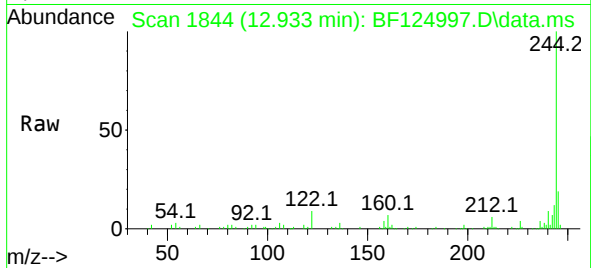




#79  
Terphenyl-d14  
Concen: 75.411 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. 0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB138244BL

Tgt Ion:244 Resp: 129526  
Ion Ratio Lower Upper  
244 100  
212 6.2 5.9 8.9  
122 8.8 9.0 13.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 2269  
Delta R.T. -0.006 min  
Lab File: BF124997.D  
Acq: 9 Aug 2021 10:30

Tgt Ion:264 Resp: 22587  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.6 29.4  
265 22.7 17.2 25.8

