

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127166.D  
 Acq On : 03 Mar 2022 12:41  
 Operator : CG\JU  
 Sample : PB143042BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143042BL

Quant Time: Mar 03 16:59:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 01 23:57:09 2022  
 Response via : Initial Calibration

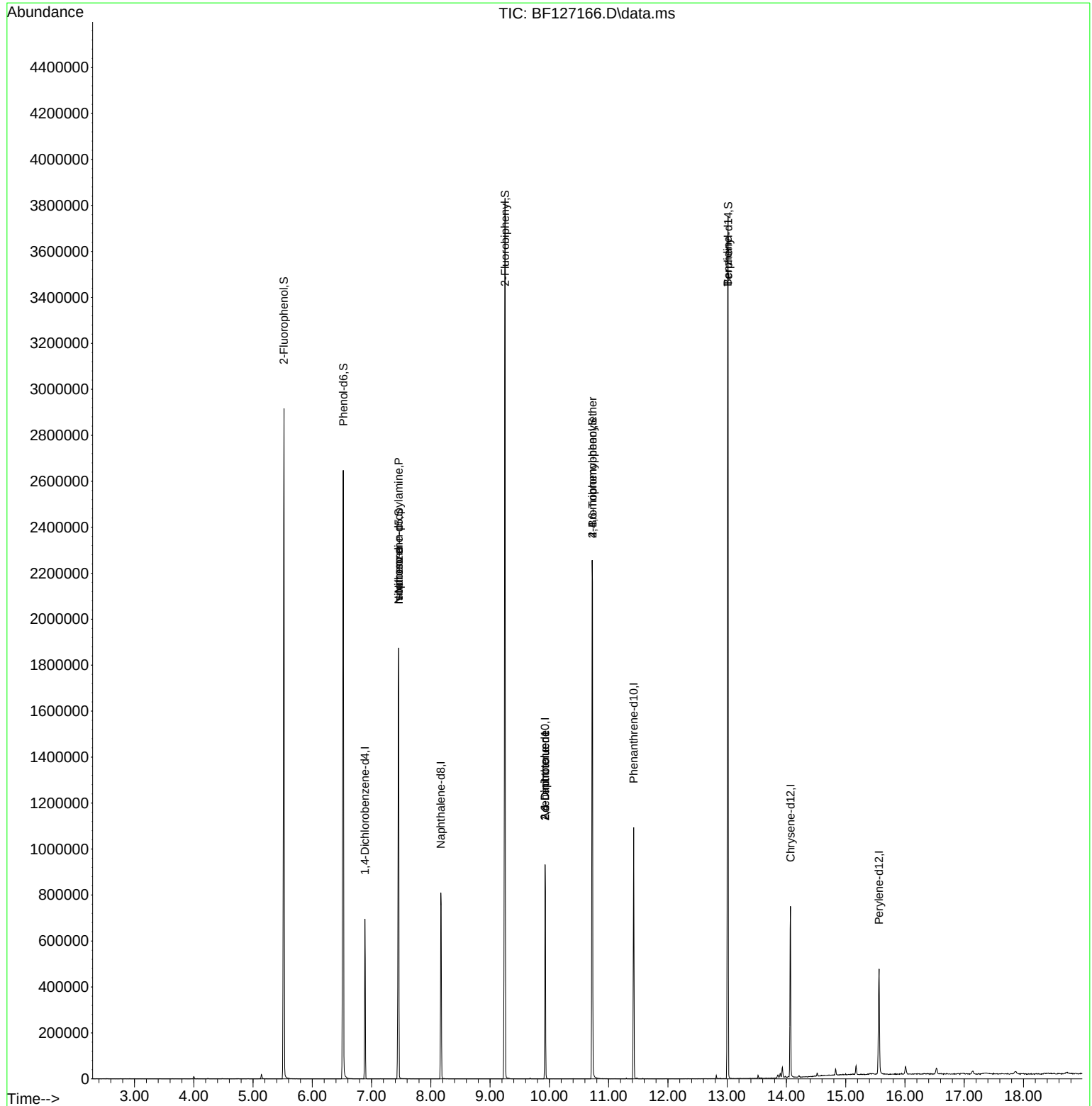
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 89331    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 359906   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.928  | 164  | 183964   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.422 | 188  | 345478   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.069 | 240  | 241811   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.563 | 264  | 185432   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 737873   | 127.664 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.522  | 99   | 952011   | 122.068 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 659475   | 82.708  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 299490   | 141.396 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1115978  | 89.305  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1421445  | 86.414  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 91267    | 18.161  | ng    | # 76     |
| 25) Isophorone                | 7.457  | 82   | 659470   | 49.982  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 22799    | 8.522   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 22799    | 6.303   | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.728 | 248  | 17349    | 4.495   | ng    | # 1      |
| 77) Benzidine                 | 13.010 | 184  | 20368    | 3.100   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

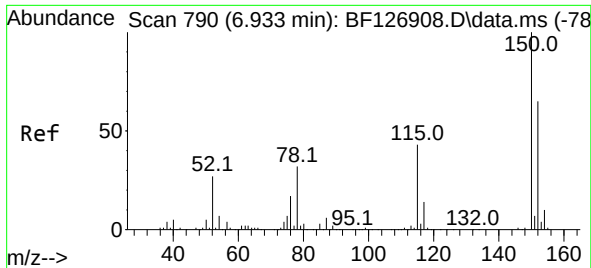
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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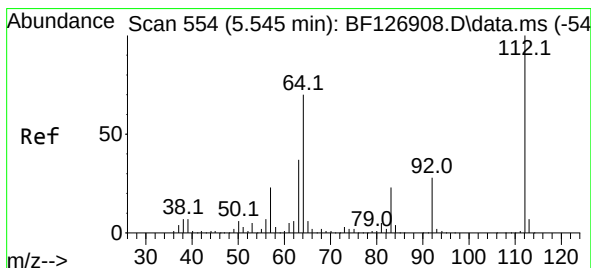
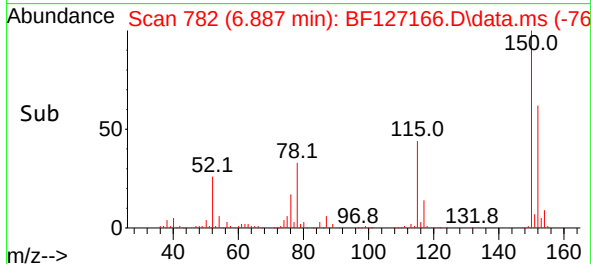
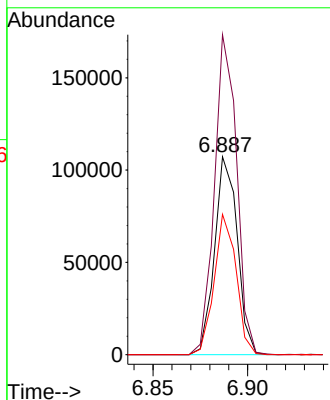
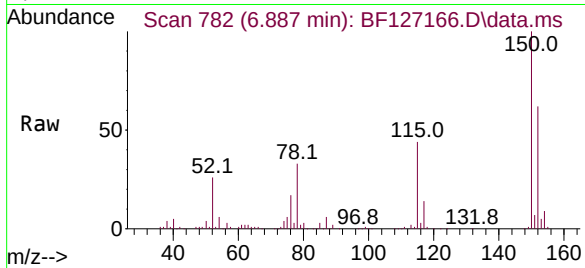




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

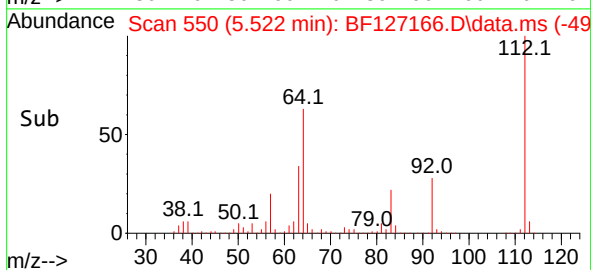
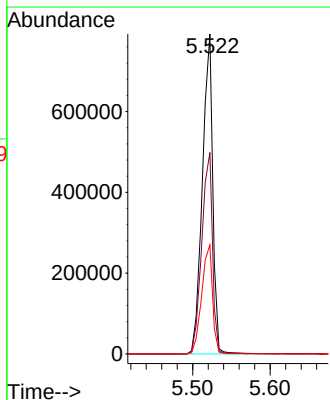
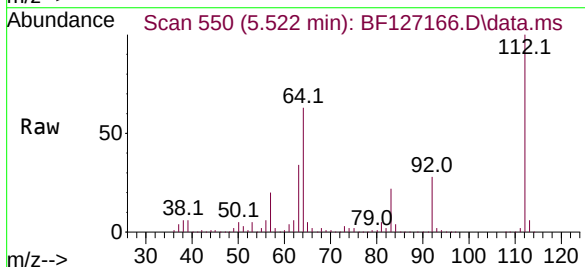
Instrument :  
BNA\_F  
ClientSampleId :  
PB143042BL

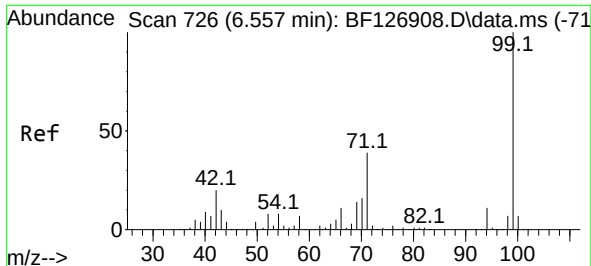
Tgt Ion:152 Resp: 89331  
Ion Ratio Lower Upper  
152 100  
150 161.7 128.1 192.1  
115 70.9 56.7 85.1



#5  
2-Fluorophenol  
Concen: 127.664 ng  
RT: 5.522 min Scan# 550  
Delta R.T. 0.012 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion:112 Resp: 737873  
Ion Ratio Lower Upper  
112 100  
64 63.0 49.5 74.3  
63 34.1 23.9 35.9

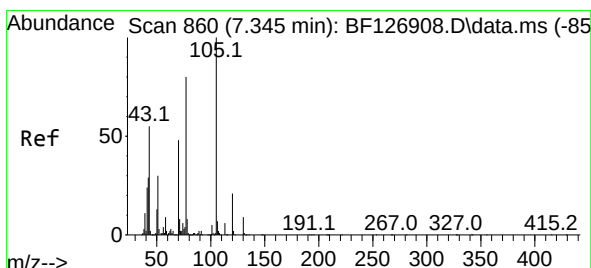
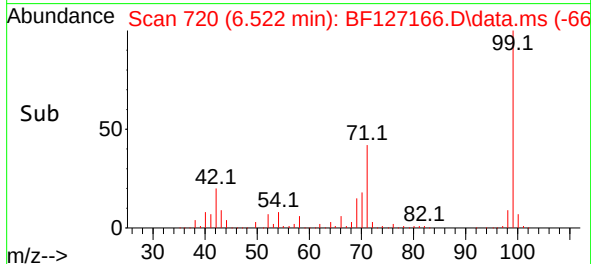
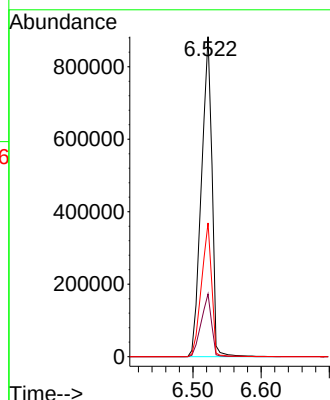
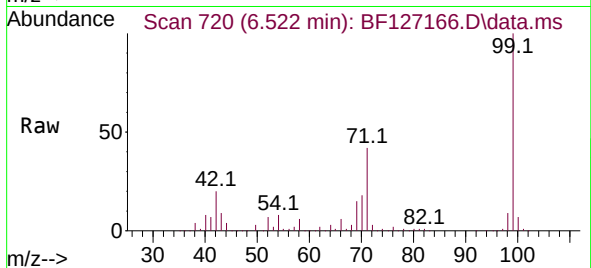




#7  
Phenol-d6  
Concen: 122.068 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

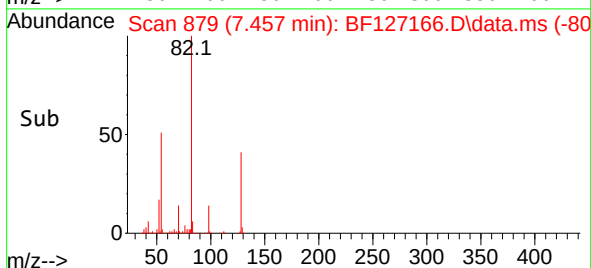
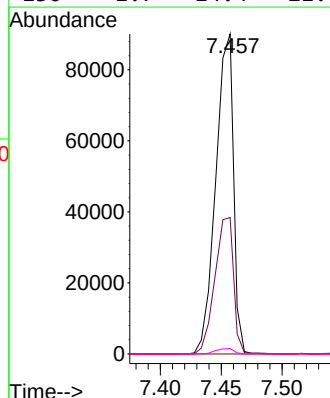
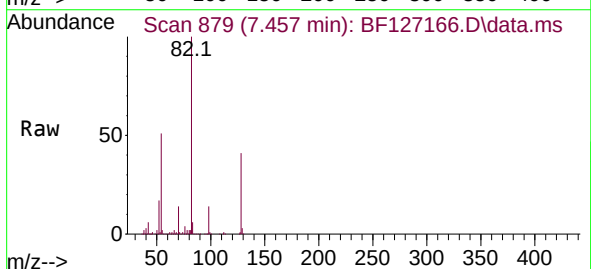
Instrument :  
BNA\_F  
ClientSampleId :  
PB143042BL

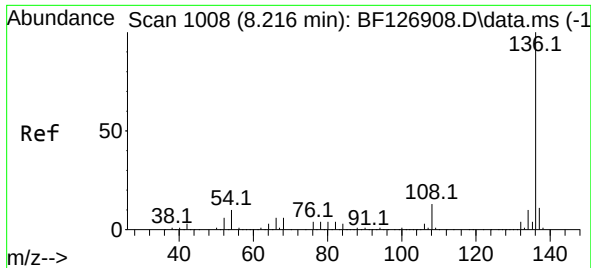
Tgt Ion: 99 Resp: 952011  
Ion Ratio Lower Upper  
99 100  
42 19.6 14.2 21.4  
71 41.8 24.3 36.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.161 ng  
RT: 7.457 min Scan# 879  
Delta R.T. 0.153 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion: 70 Resp: 91267  
Ion Ratio Lower Upper  
70 100  
42 42.6 45.8 68.8#  
101 0.0 6.9 10.3#  
130 1.7 14.4 21.6#



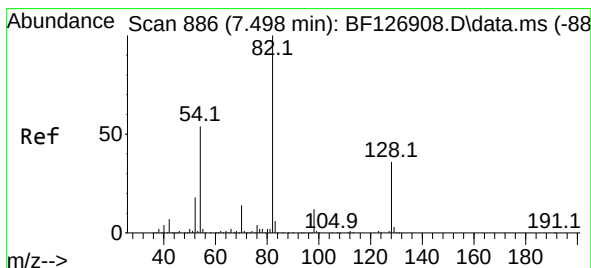
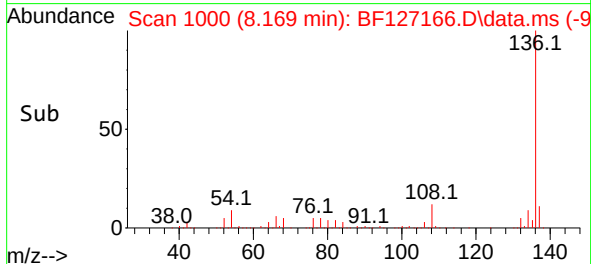
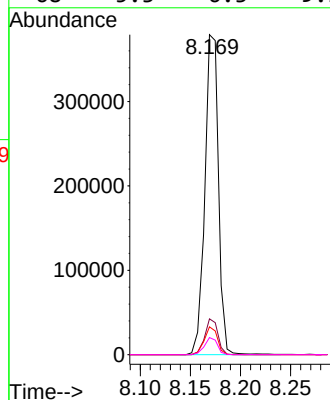
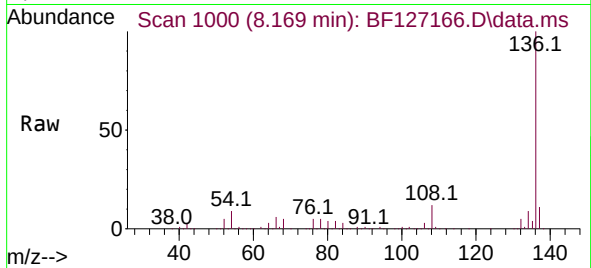


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB143042BL

Tgt Ion:136 Resp: 359906

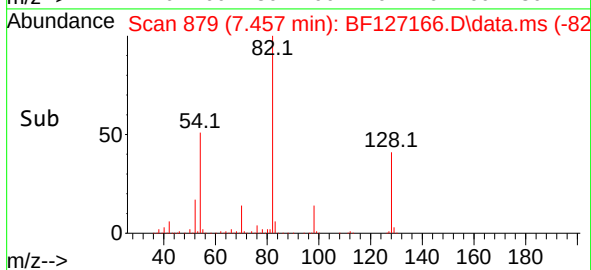
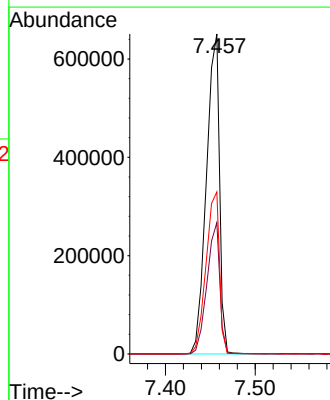
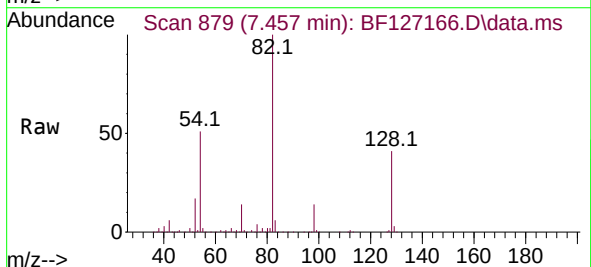
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.6   | 13.0  |
| 54  | 8.7   | 7.8   | 11.6  |
| 68  | 5.3   | 6.3   | 9.5   |

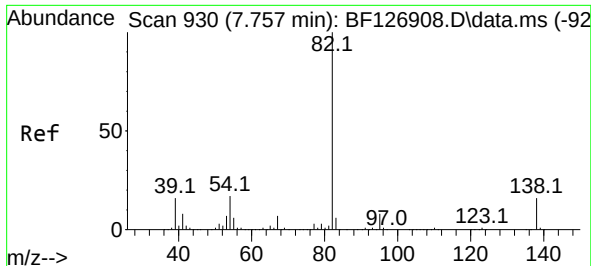


#23  
Nitrobenzene-d5  
Concen: 82.708 ng  
RT: 7.457 min Scan# 879  
Delta R.T. -0.006 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion: 82 Resp: 659475

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.0  | 32.7  | 49.1  |
| 54  | 50.7  | 41.7  | 62.5  |

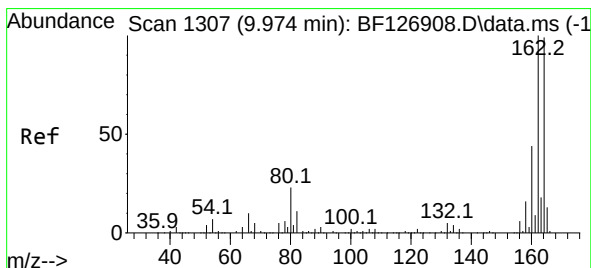
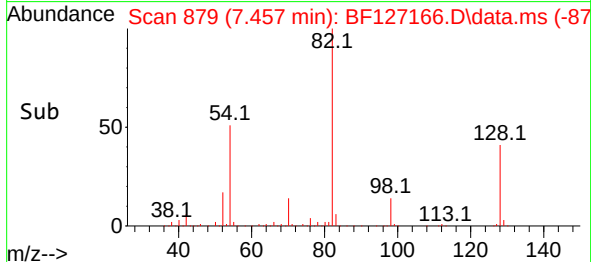
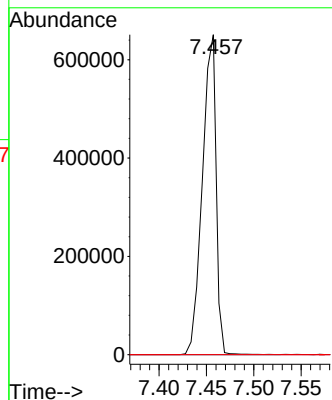
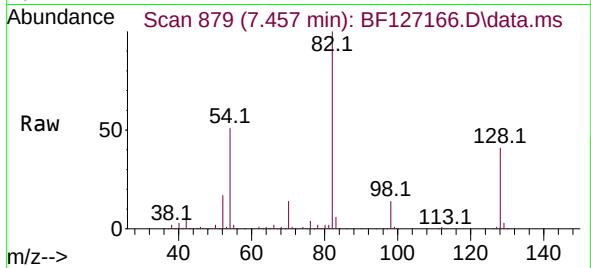




#25  
Isophorone  
Concen: 49.982 ng  
RT: 7.457 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

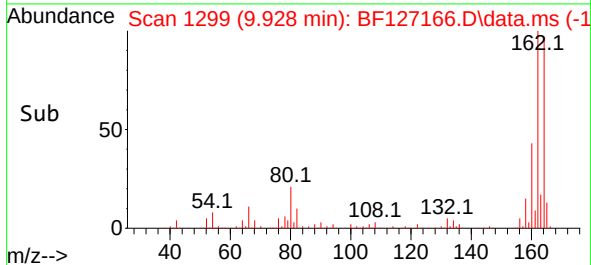
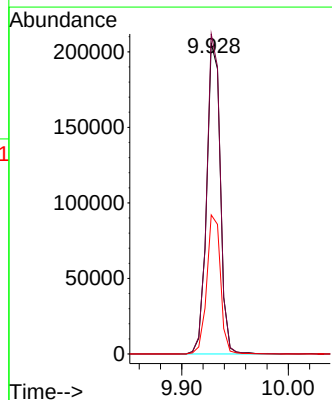
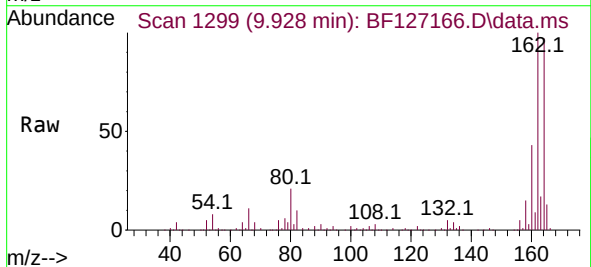
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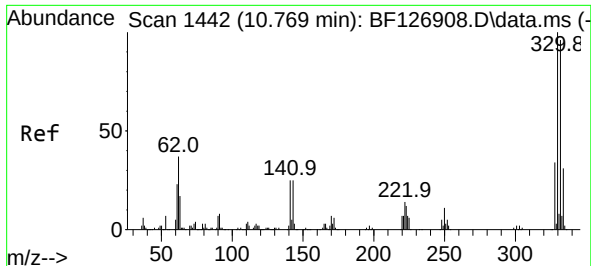
Tgt Ion: 82 Resp: 659470  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.012 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion:164 Resp: 183964  
Ion Ratio Lower Upper  
164 100  
162 103.0 81.4 122.0  
160 44.7 36.6 54.8

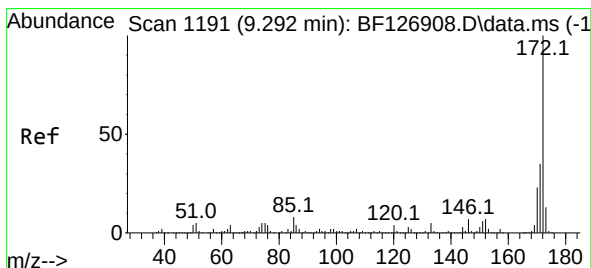
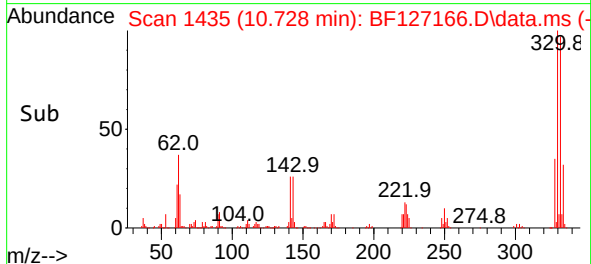
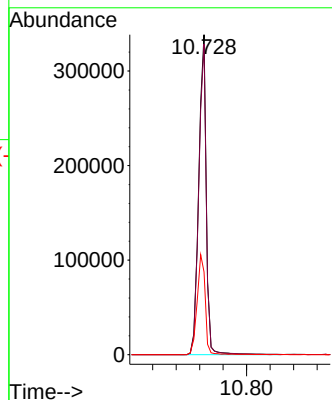
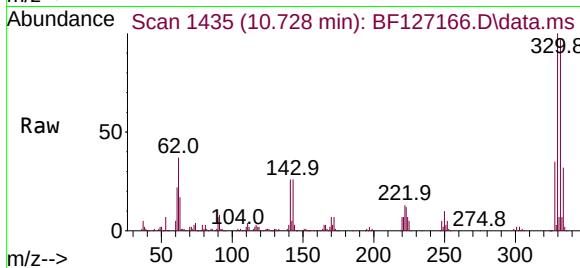




#42  
 2,4,6-Tribromophenol  
 Concen: 141.396 ng  
 RT: 10.728 min Scan# 1442  
 Delta R.T. 0.000 min  
 Lab File: BF127166.D  
 Acq: 03 Mar 2022 12:41

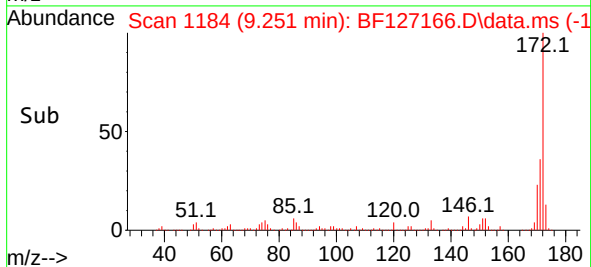
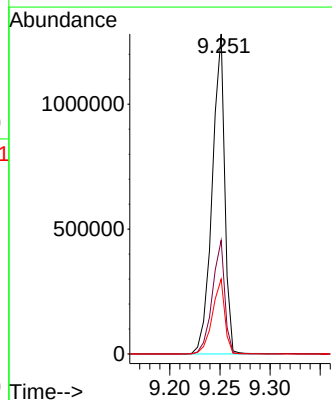
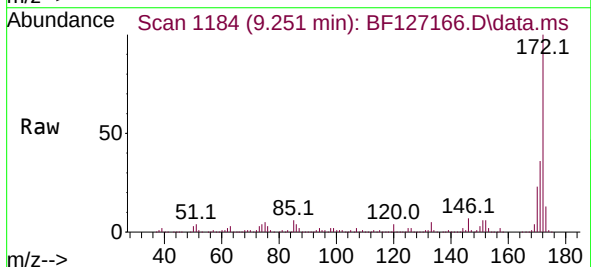
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 PB143042BL

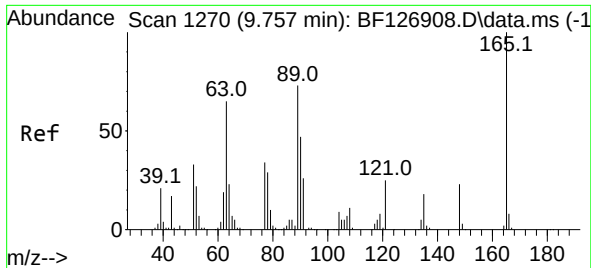
Tgt Ion:330 Resp: 299490  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.0 114.0  
 141 33.6 30.1 45.1



#45  
 2-Fluorobiphenyl  
 Concen: 89.305 ng  
 RT: 9.251 min Scan# 1184  
 Delta R.T. 0.000 min  
 Lab File: BF127166.D  
 Acq: 03 Mar 2022 12:41

Tgt Ion:172 Resp: 1115978  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.3 42.5  
 170 23.4 19.0 28.6

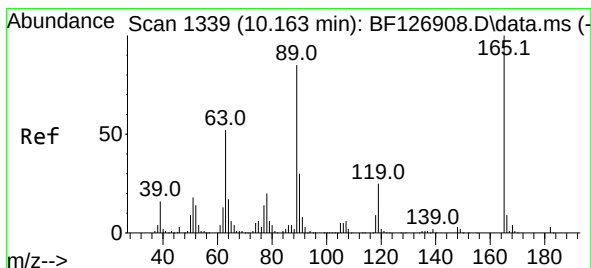
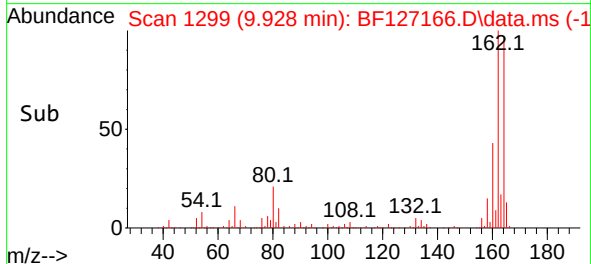
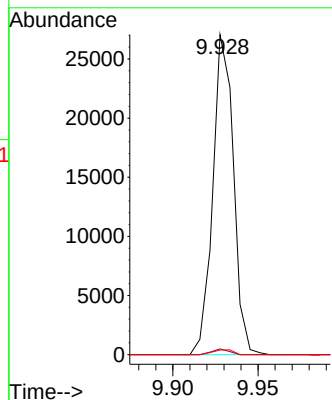
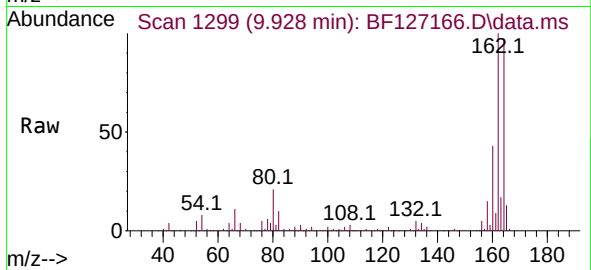




#51  
2,6-Dinitrotoluene  
Concen: 8.522 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. 0.206 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

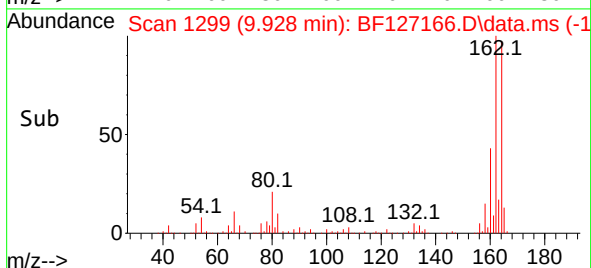
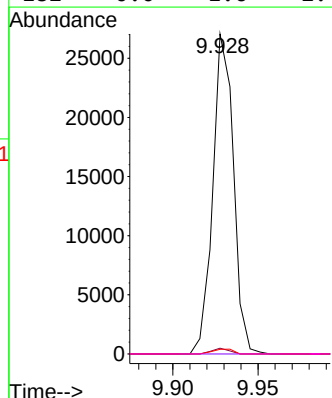
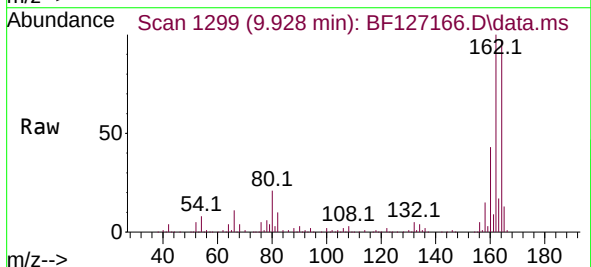
Instrument :  
BNA\_F  
ClientSampleId :  
PB143042BL

Tgt Ion:165 Resp: 22799  
Ion Ratio Lower Upper  
165 100  
63 1.8 48.4 72.6#  
89 1.5 50.5 75.7#

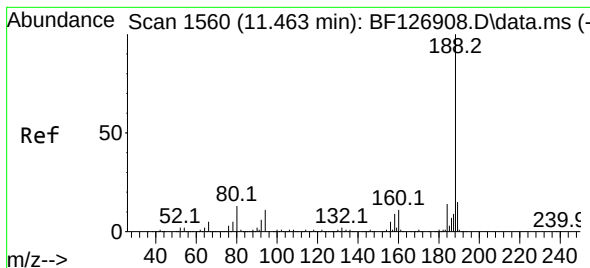


#57  
2,4-Dinitrotoluene  
Concen: 6.303 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.200 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion:165 Resp: 22799  
Ion Ratio Lower Upper  
165 100  
63 1.8 43.0 64.6#  
89 1.5 71.0 106.4#  
182 0.0 1.6 2.4#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127166.D

Acq: 03 Mar 2022 12:41

Instrument :

BNA\_F

ClientSampleId :

PB143042BL

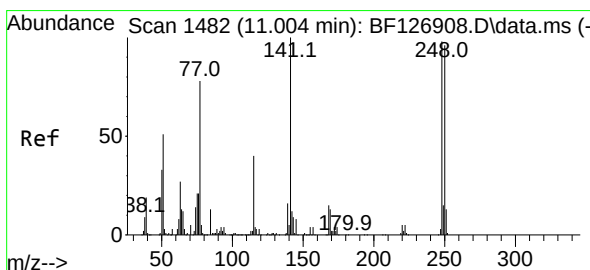
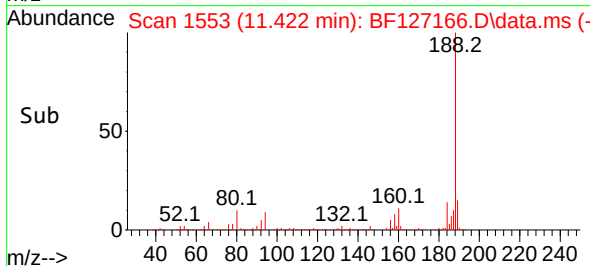
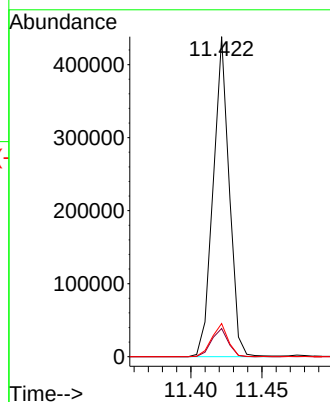
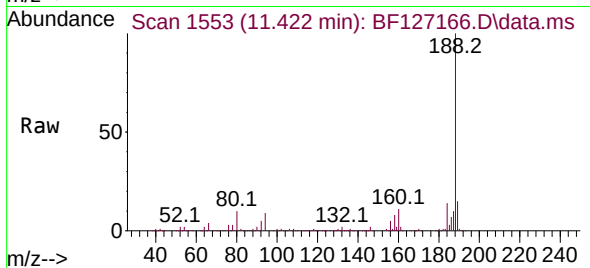
Tgt Ion:188 Resp: 345478

Ion Ratio Lower Upper

188 100

94 8.8 10.1 15.1#

80 10.3 11.8 17.6#



#67

4-Bromophenyl-phenylether

Concen: 4.495 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.241 min

Lab File: BF127166.D

Acq: 03 Mar 2022 12:41

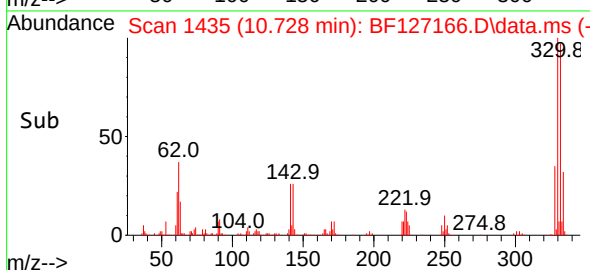
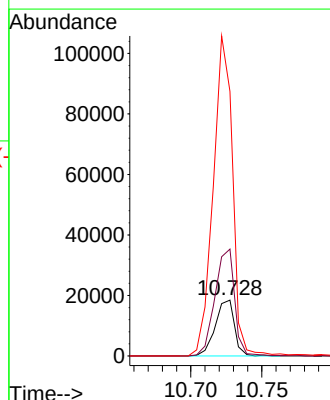
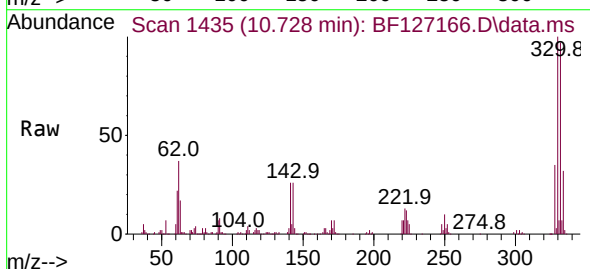
Tgt Ion:248 Resp: 17349

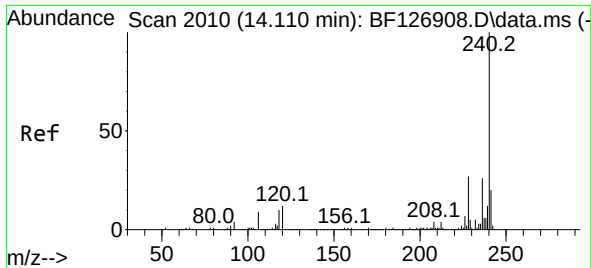
Ion Ratio Lower Upper

248 100

250 191.1 76.2 114.4#

141 473.2 66.2 99.4#

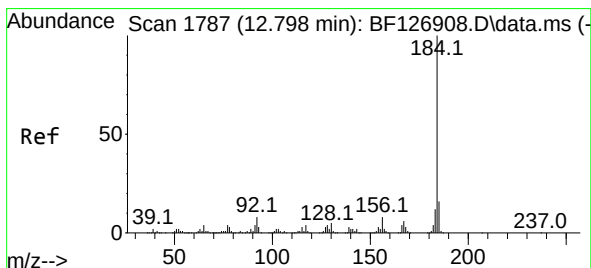
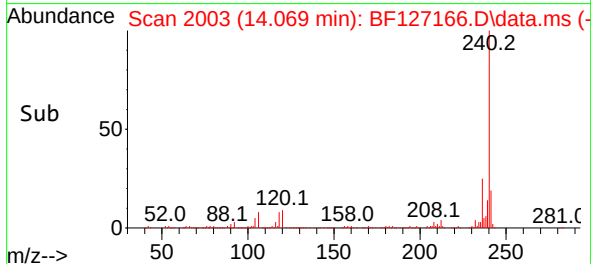
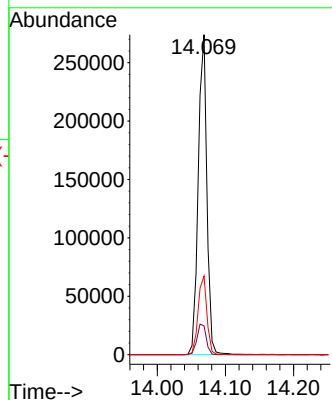
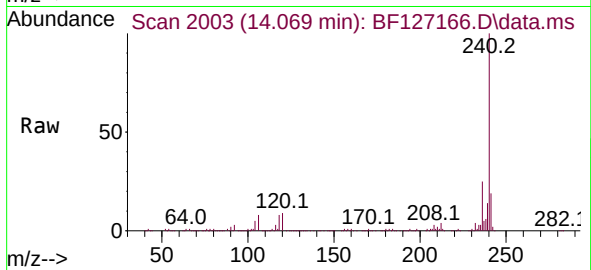




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

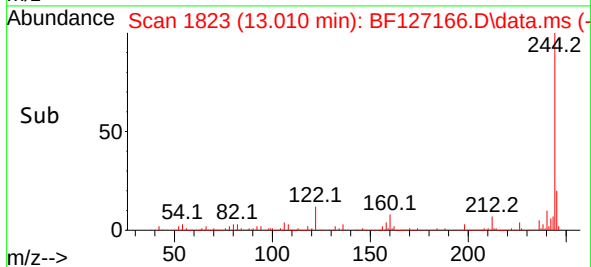
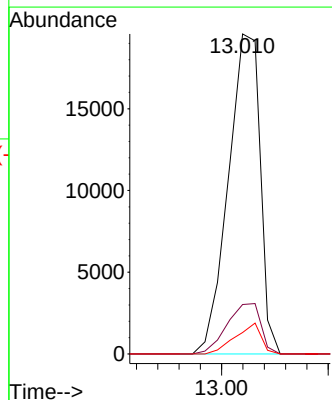
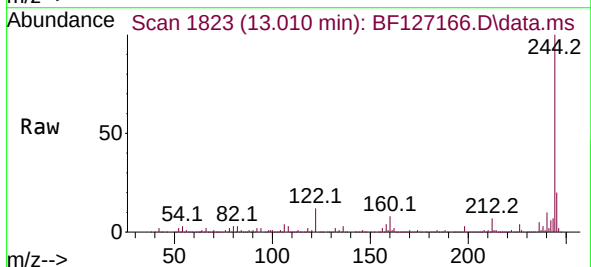
Instrument :  
BNA\_F  
ClientSampleId :  
PB143042BL

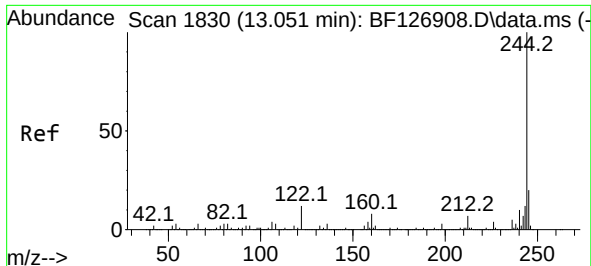
Tgt Ion:240 Resp: 241811  
Ion Ratio Lower Upper  
240 100  
120 9.0 14.4 21.6#  
236 24.6 20.5 30.7



#77  
Benzidine  
Concen: 3.100 ng  
RT: 13.010 min Scan# 1823  
Delta R.T. 0.247 min  
Lab File: BF127166.D  
Acq: 03 Mar 2022 12:41

Tgt Ion:184 Resp: 20368  
Ion Ratio Lower Upper  
184 100  
185 15.5 11.8 17.8  
183 6.7 8.2 12.2#

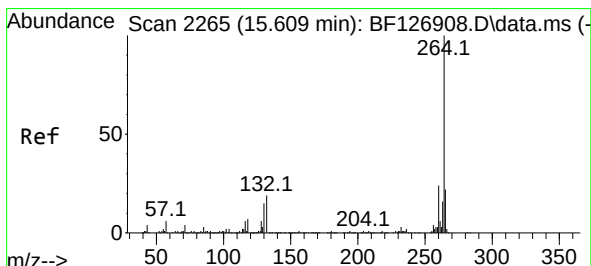
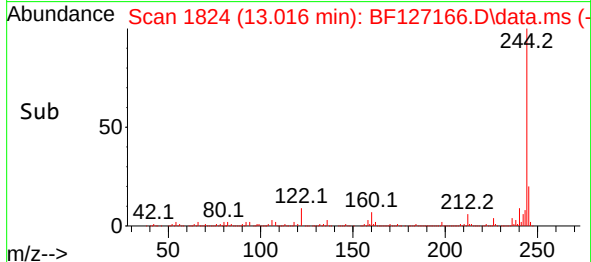
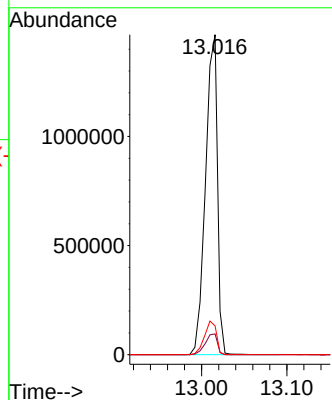
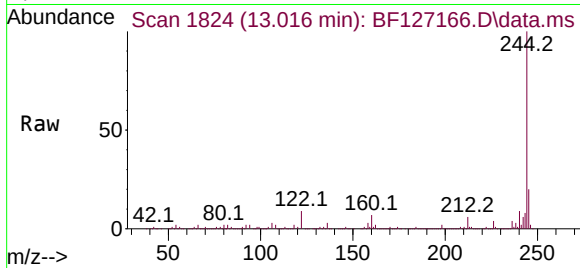




#79  
 Terphenyl-d14  
 Concen: 86.414 ng  
 RT: 13.016 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF127166.D  
 Acq: 03 Mar 2022 12:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143042BL

Tgt Ion:244 Resp: 1421445  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 9.0 13.3 19.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.563 min Scan# 2257  
 Delta R.T. -0.006 min  
 Lab File: BF127166.D  
 Acq: 03 Mar 2022 12:41

Tgt Ion:264 Resp: 185432  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.2 28.8  
 265 21.1 17.4 26.2

