

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070623\  
 Data File : BF134110.D  
 Acq On : 06 Jul 2023 22:28  
 Operator : CG\JU  
 Sample : 03475-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 01:33:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

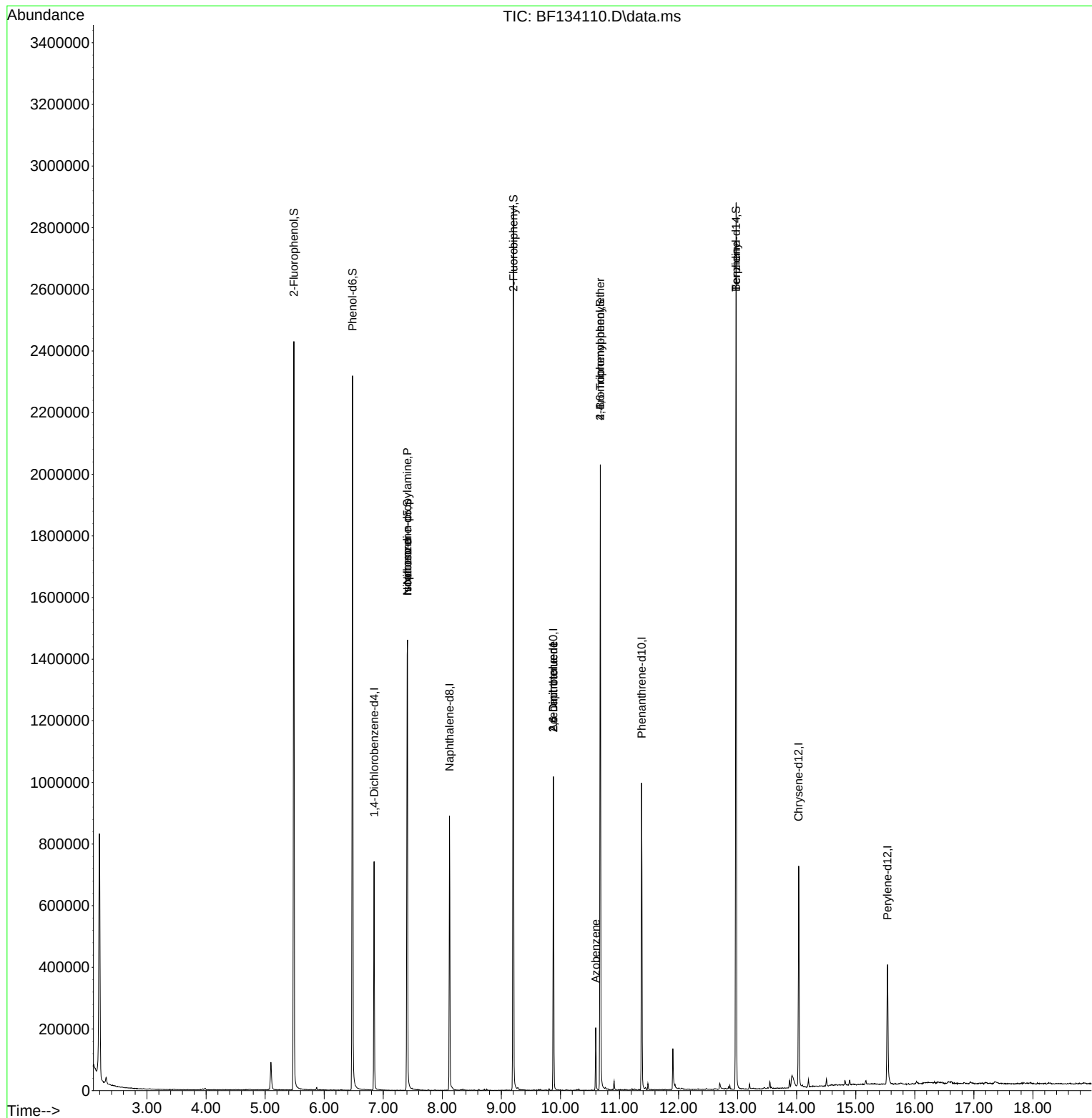
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 98570    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 383280   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.880  | 164  | 190098   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.374 | 188  | 364570   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.033 | 240  | 238154   | 20.000    | ng    | -0.02    |
| 86) Perylene-d12              | 15.539 | 264  | 201988   | 20.000    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 595815   | 101.112   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 721835   | 99.608    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 488108   | 68.649    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 236945   | 99.413    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 871354   | 66.642    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 962573   | 65.050    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.481  | 77   | 1128     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 67887    | 14.772    | ng    | # 74     |
| 25) Isophorone                | 7.410  | 82   | 488105   | 37.772    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 24323    | 8.184     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 24323    | 6.197     | ng    | # 22     |
| 63) Azobenzene                | 10.598 | 77   | 33995    | 2.500     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 14715    | 3.797     | ng    | # 1      |
| 77) Benzidine                 | 12.974 | 184  | 13614    | 2.402     | ng    | # 88     |
| -----                         |        |      |          |           |       |          |

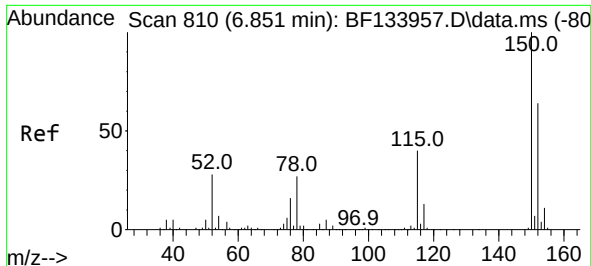
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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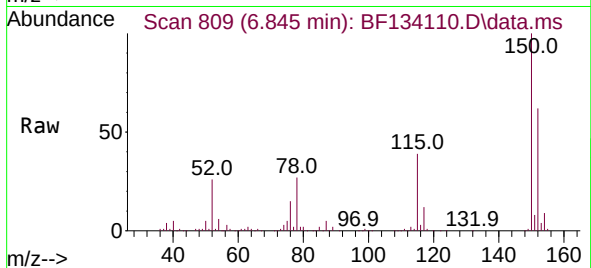
Quant Time: Jul 07 01:33:36 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 30 18:35:29 2023  
Response via : Initial Calibration



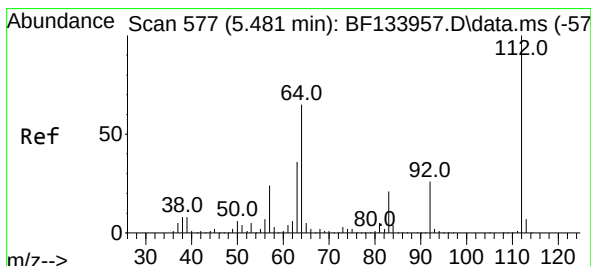
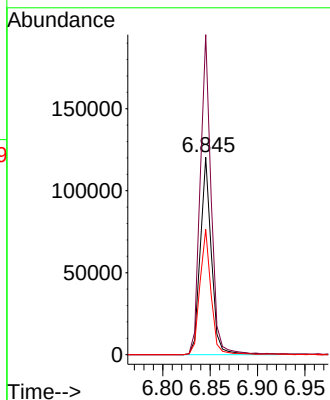
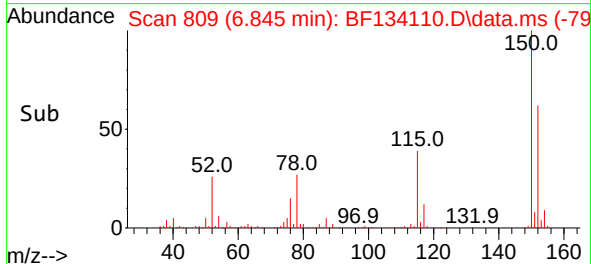


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Instrument :  
BNA\_F  
ClientSampleId :

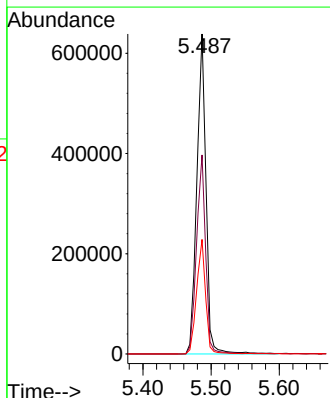
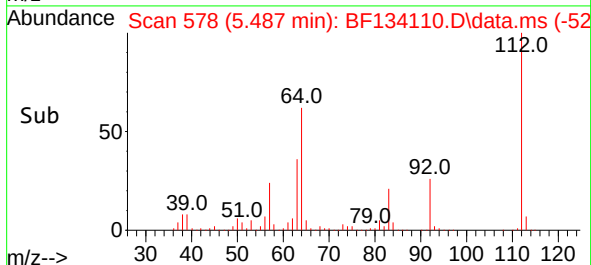
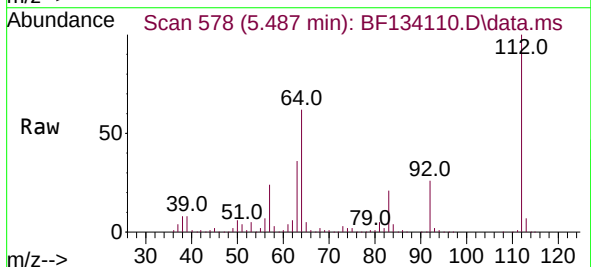


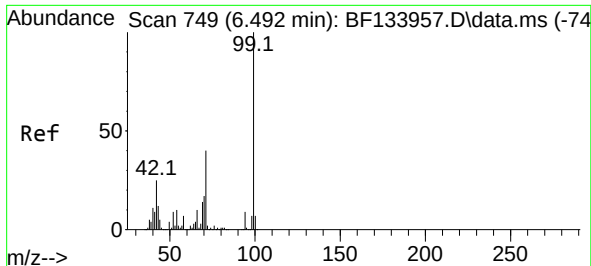
Tgt Ion:152 Resp: 98570  
Ion Ratio Lower Upper  
152 100  
150 162.1 124.5 186.7  
115 63.5 50.2 75.2



#5  
2-Fluorophenol  
Concen: 101.112 ng  
RT: 5.487 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

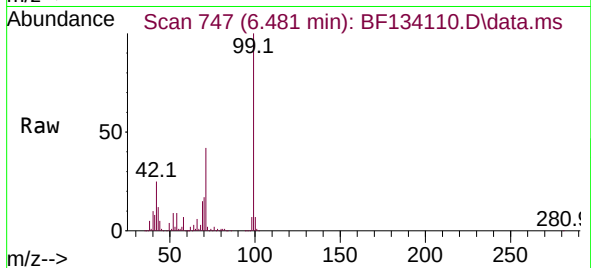
Tgt Ion:112 Resp: 595815  
Ion Ratio Lower Upper  
112 100  
64 62.2 52.1 78.1  
63 35.8 28.6 42.8



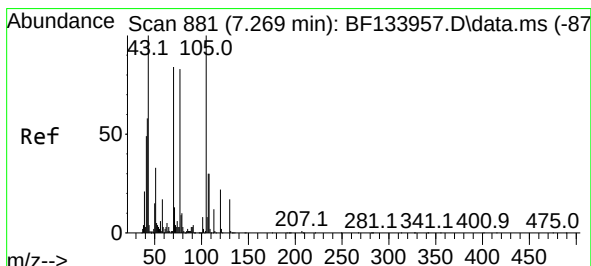
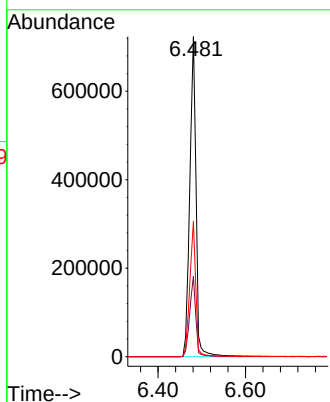
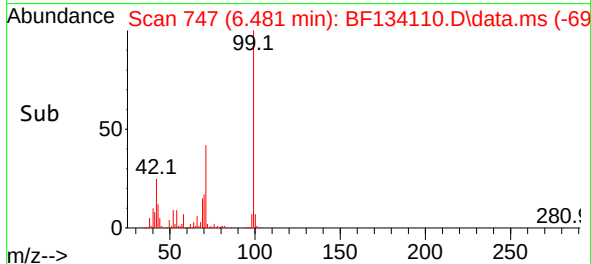


#7  
Phenol-d6  
Concen: 99.608 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

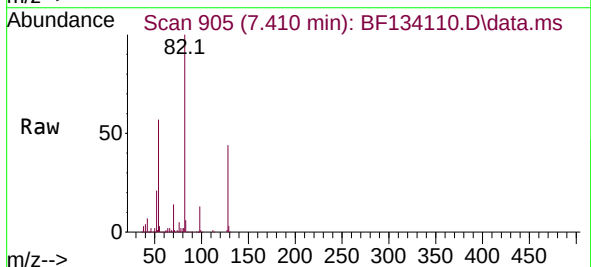
Instrument :  
BNA\_F  
ClientSampleId :



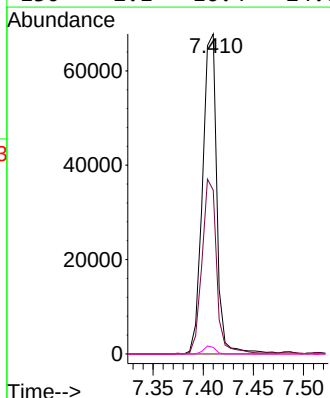
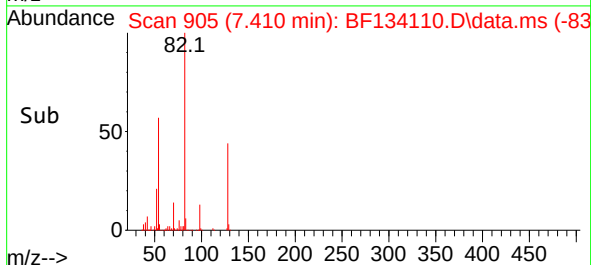
Tgt Ion: 99 Resp: 721835  
Ion Ratio Lower Upper  
99 100  
42 25.2 19.8 29.6  
71 42.2 31.9 47.9

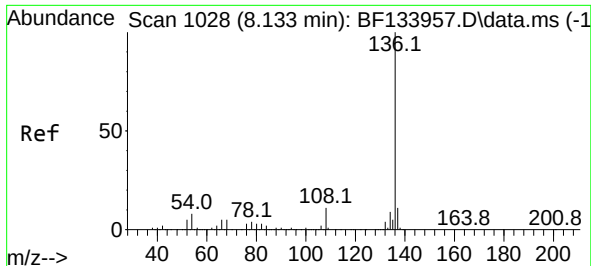


#19  
n-Nitroso-di-n-propylamine  
Concen: 14.772 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28



Tgt Ion: 70 Resp: 67887  
Ion Ratio Lower Upper  
70 100  
42 51.1 54.7 82.1#  
101 0.0 7.7 11.5#  
130 2.1 16.4 24.6#

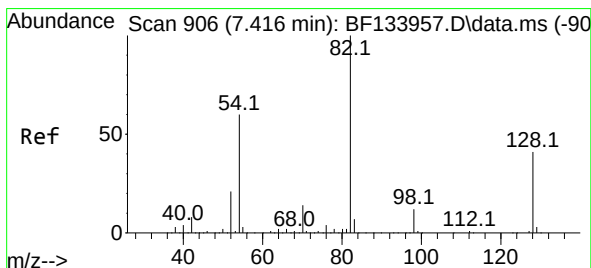
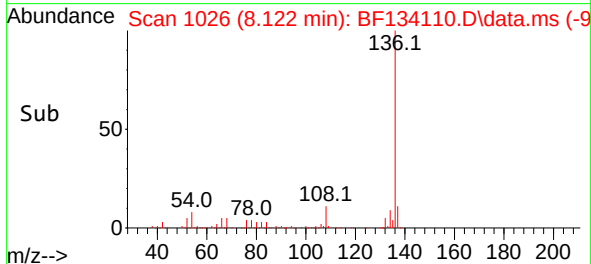
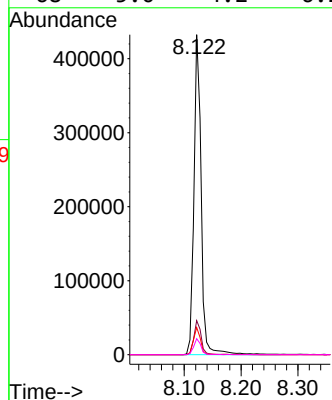
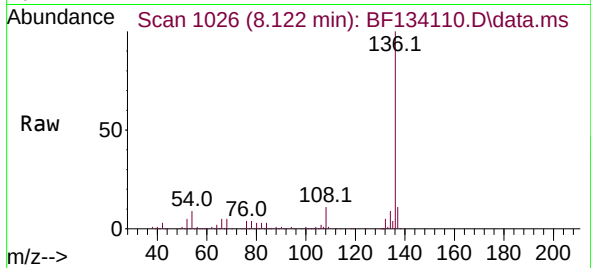




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 10  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

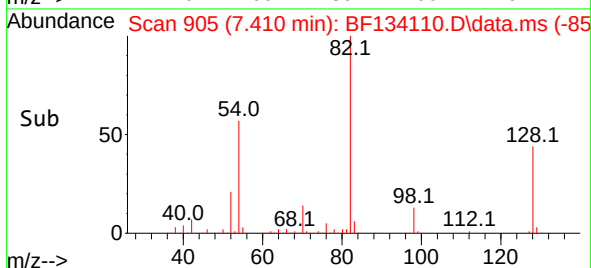
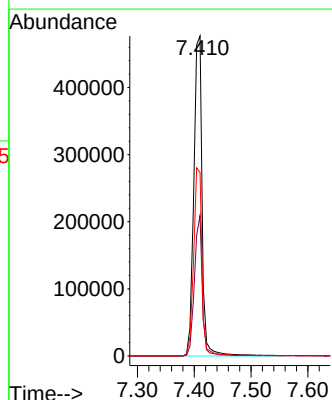
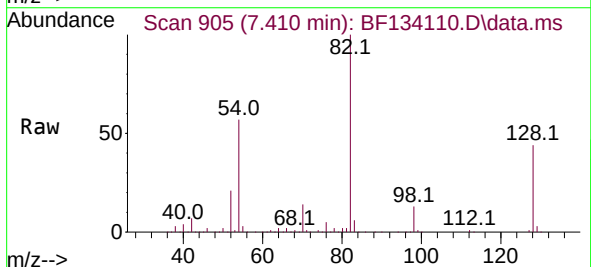
Instrument :  
BNA\_F  
ClientSampleId :

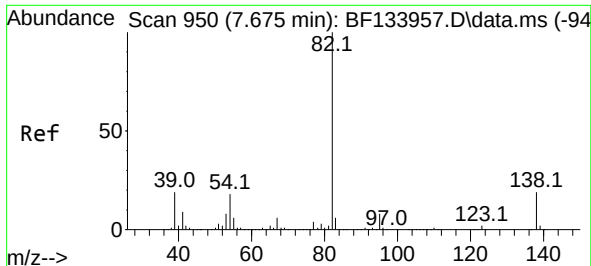
Tgt Ion:136 Resp: 383280  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 8.5 6.5 9.7  
68 5.0 4.2 6.2



#23  
Nitrobenzene-d5  
Concen: 68.649 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

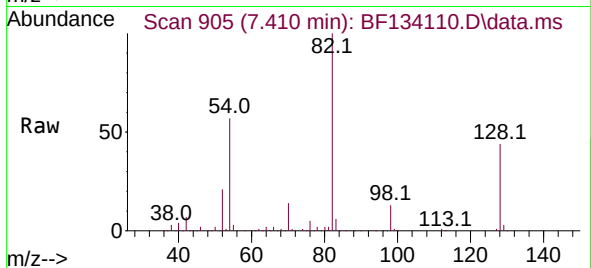
Tgt Ion: 82 Resp: 488108  
Ion Ratio Lower Upper  
82 100  
128 43.9 32.5 48.7  
54 57.3 48.2 72.2



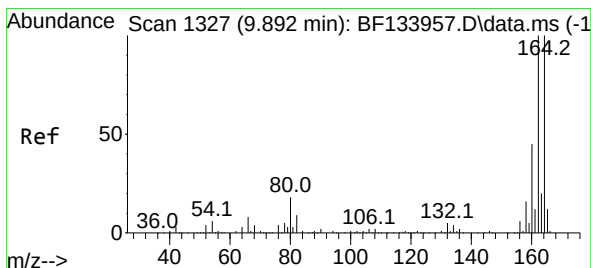
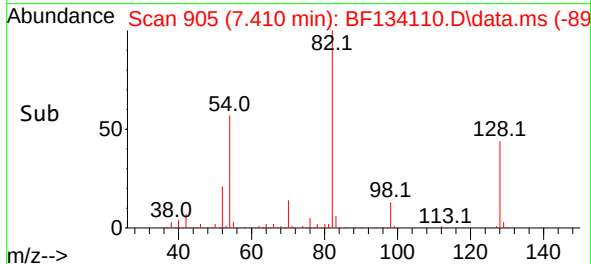
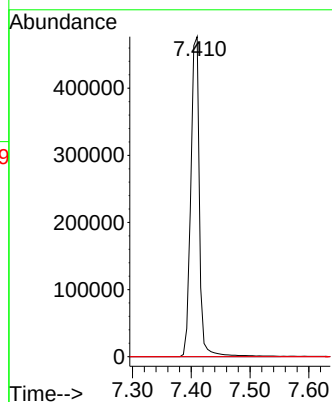


#25  
Isophorone  
Concen: 37.772 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Instrument :  
BNA\_F  
ClientSampleId :

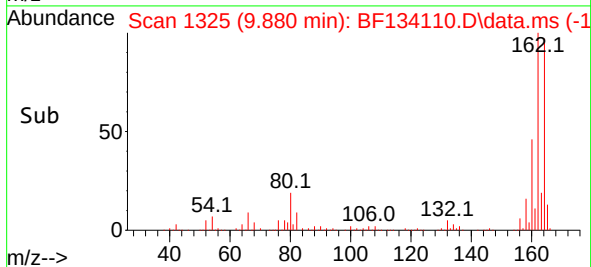
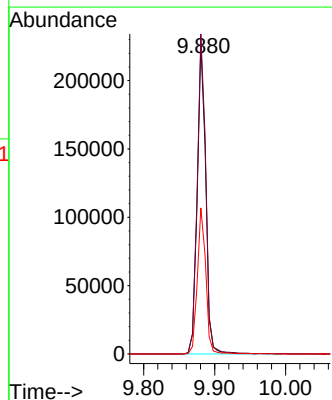
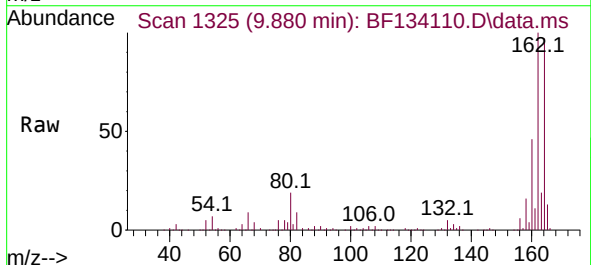


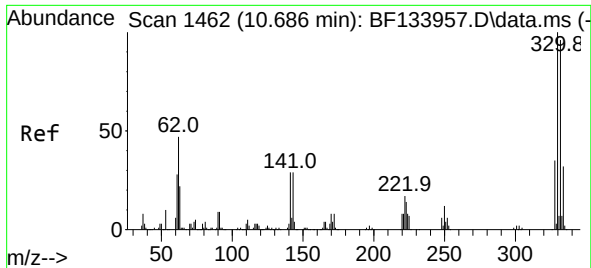
Tgt Ion: 82 Resp: 488105  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.2 22.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

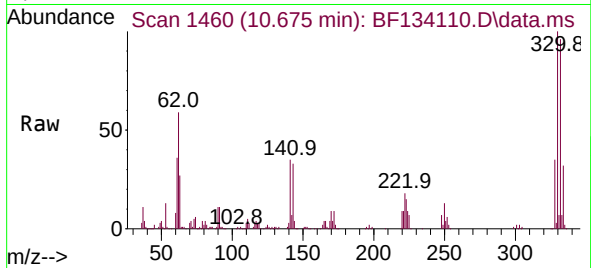
Tgt Ion:164 Resp: 190098  
Ion Ratio Lower Upper  
164 100  
162 103.1 80.0 120.0  
160 47.1 35.9 53.9



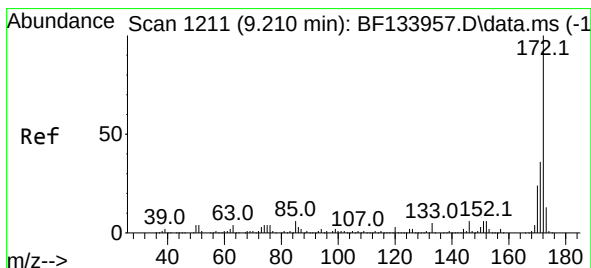
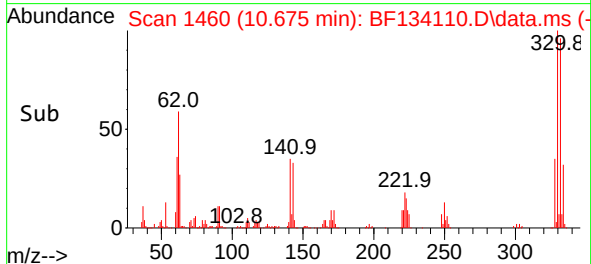
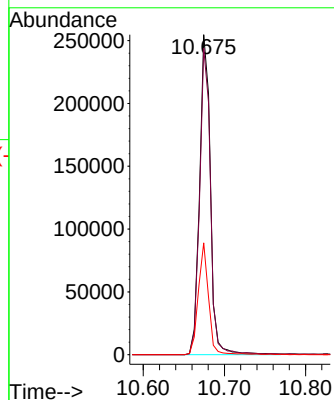


#42  
 2,4,6-Tribromophenol  
 Concen: 99.413 ng  
 RT: 10.675 min Scan# 1460  
 Delta R.T. -0.012 min  
 Lab File: BF134110.D  
 Acq: 06 Jul 2023 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :

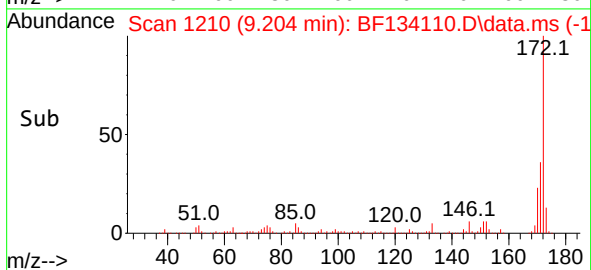
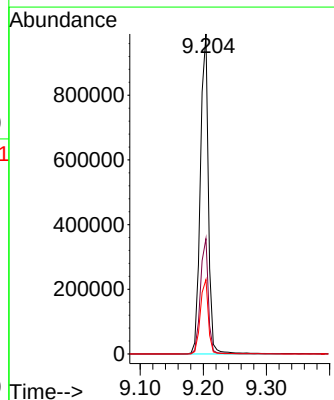
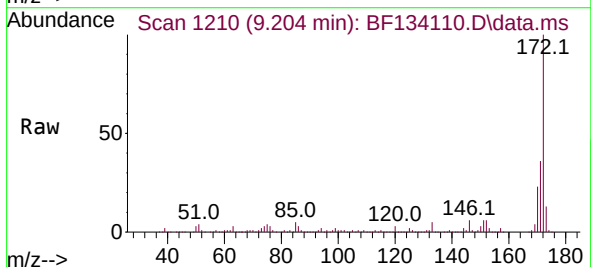


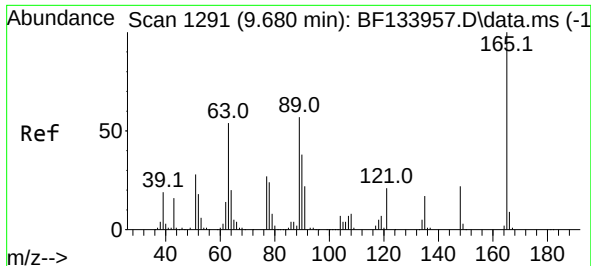
Tgt Ion: 330 Resp: 236945  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 77.0 115.6  
 141 33.4 26.3 39.5



#45  
 2-Fluorobiphenyl  
 Concen: 66.642 ng  
 RT: 9.204 min Scan# 1210  
 Delta R.T. -0.006 min  
 Lab File: BF134110.D  
 Acq: 06 Jul 2023 22:28

Tgt Ion: 172 Resp: 871354  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 43.0  
 170 23.2 19.4 29.0

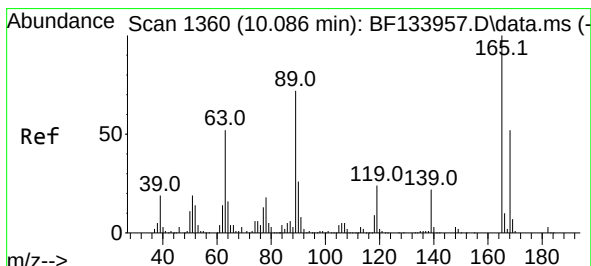
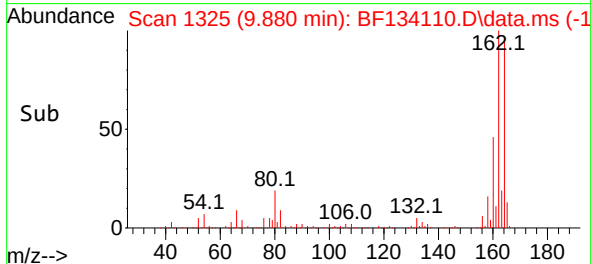
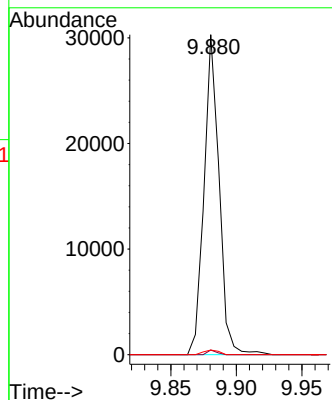
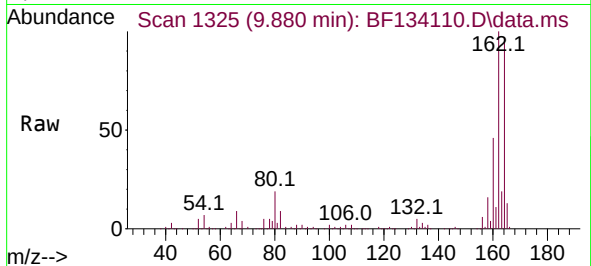




#51  
2,6-Dinitrotoluene  
Concen: 8.184 ng  
RT: 9.880 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

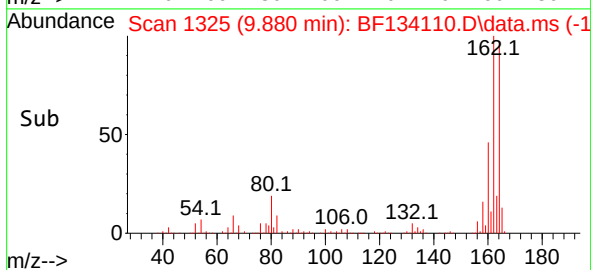
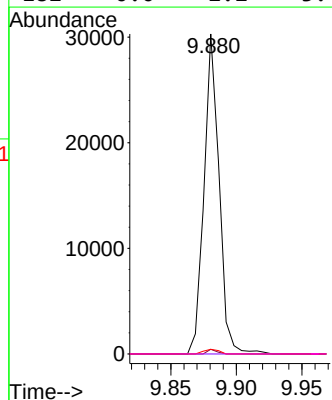
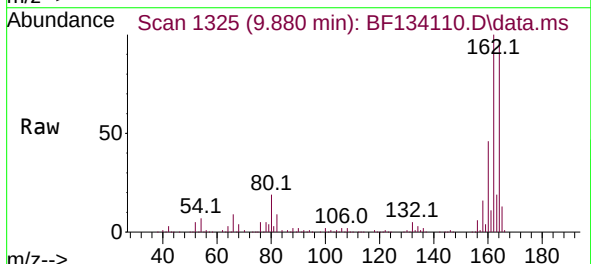
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 24323  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.5 72.7#  
89 1.5 45.5 68.3#

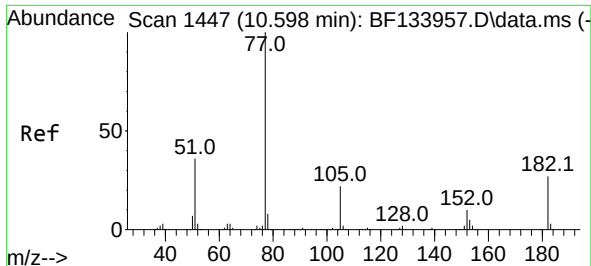


#57  
2,4-Dinitrotoluene  
Concen: 6.197 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.206 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Tgt Ion:165 Resp: 24323  
Ion Ratio Lower Upper  
165 100  
63 1.5 42.2 63.2#  
89 1.5 57.4 86.2#  
182 0.0 2.2 3.4#

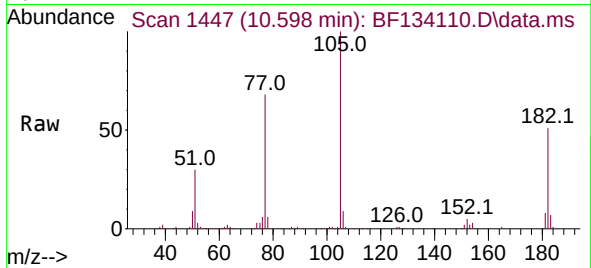




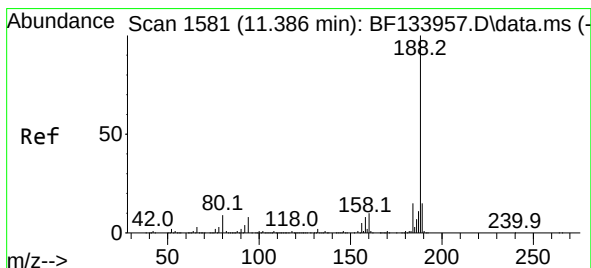
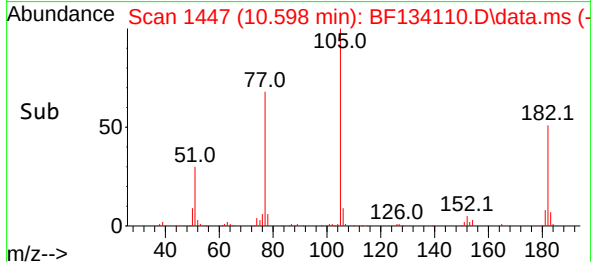
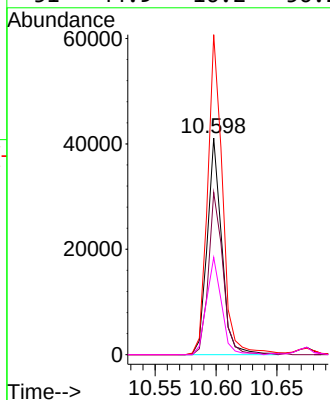


#63  
Azobenzene  
Concen: 2.500 ng  
RT: 10.598 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Instrument :  
BNA\_F  
ClientSampleId :

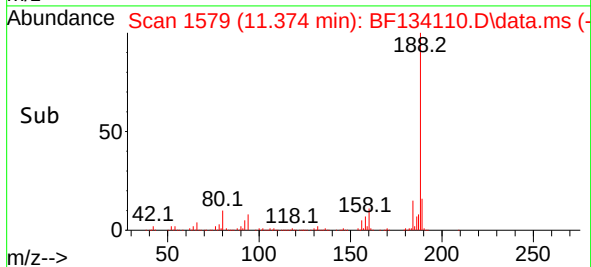
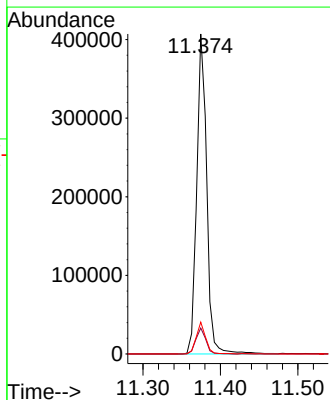
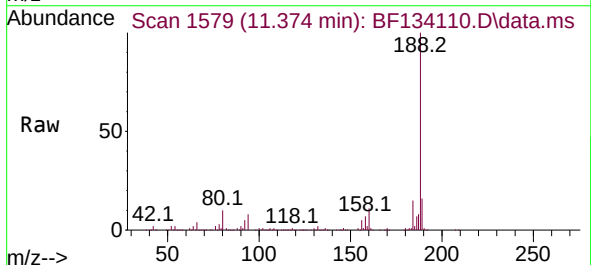


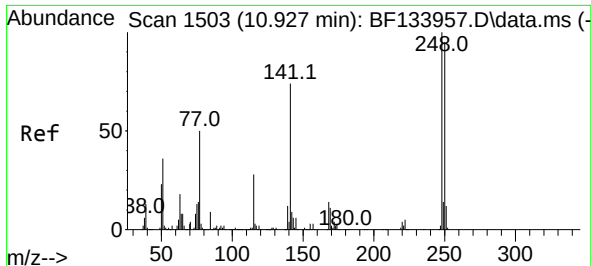
Tgt Ion: 77 Resp: 33995  
Ion Ratio Lower Upper  
77 100  
182 74.9 6.8 46.8#  
105 147.8 2.3 42.3#  
51 44.9 16.2 56.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Tgt Ion: 188 Resp: 364570  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.4 9.6  
80 10.0 7.3 10.9

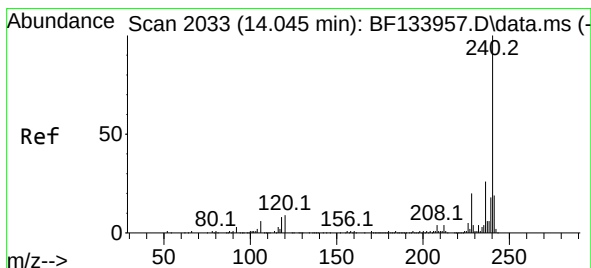
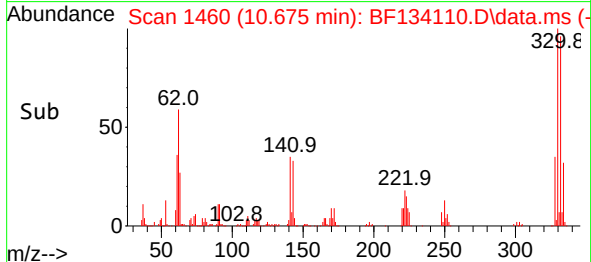
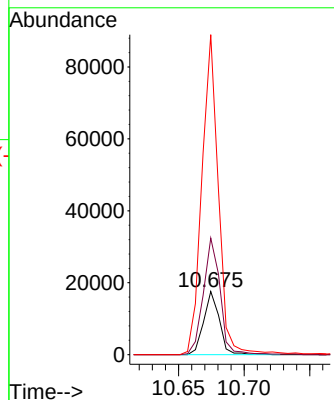
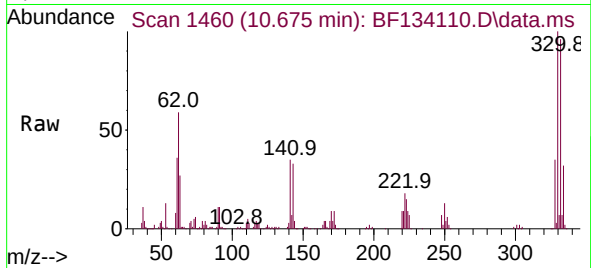




#67  
4-Bromophenyl-phenylether  
Concen: 3.797 ng  
RT: 10.675 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

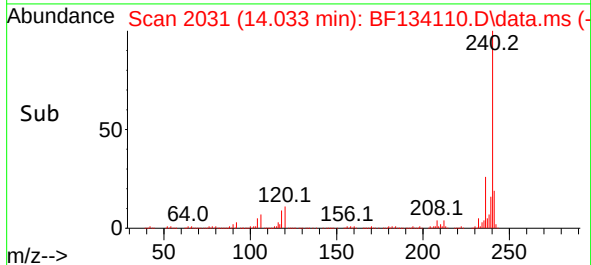
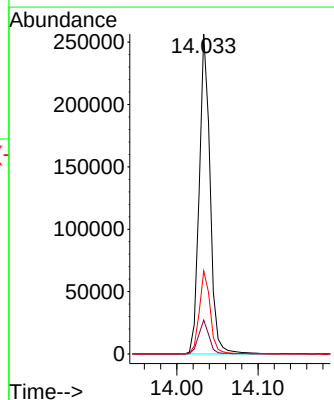
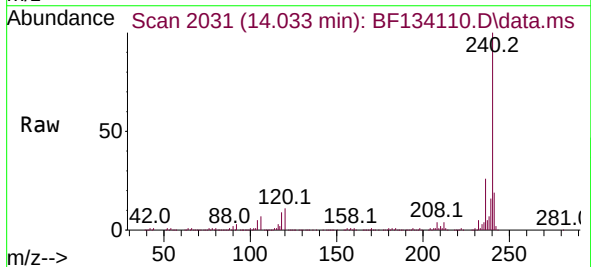
Instrument :  
BNA\_F  
ClientSampleId :

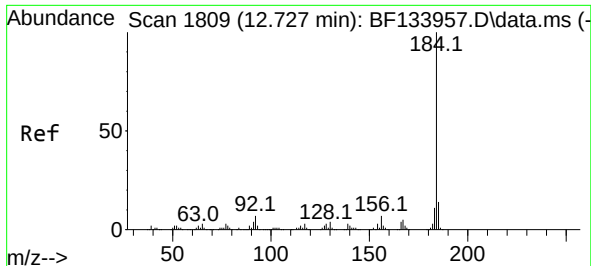
Tgt Ion:248 Resp: 14715  
Ion Ratio Lower Upper  
248 100  
250 184.7 76.2 114.4#  
141 506.4 59.0 88.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.018 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

Tgt Ion:240 Resp: 238154  
Ion Ratio Lower Upper  
240 100  
120 10.6 7.4 11.0  
236 25.9 21.0 31.6

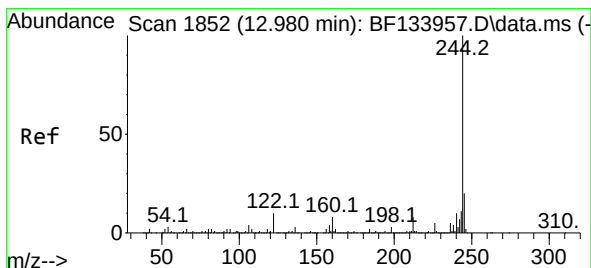
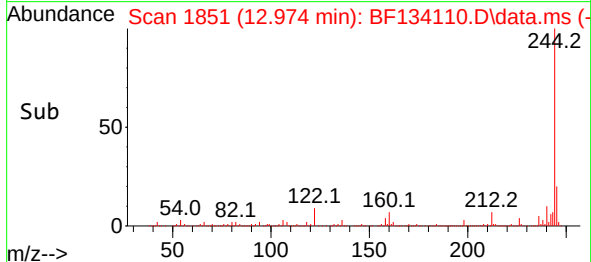
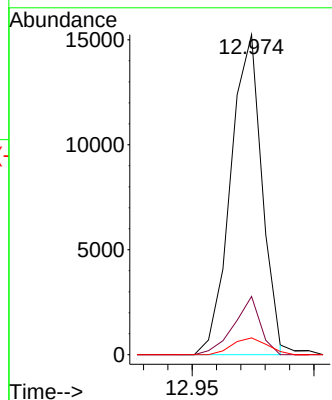
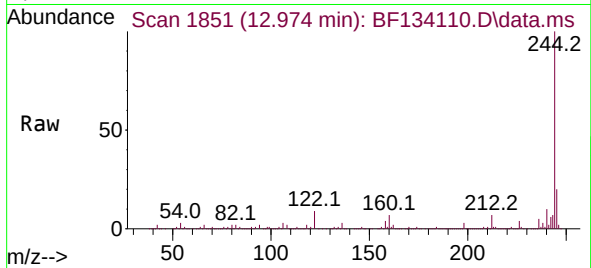




#77  
Benzidine  
Concen: 2.402 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. 0.247 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

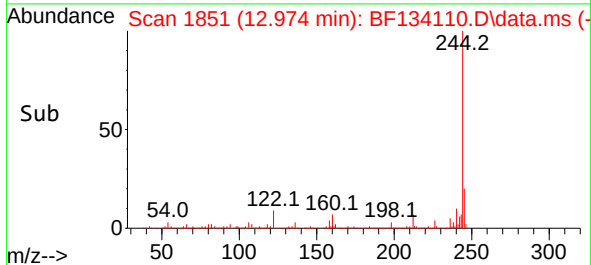
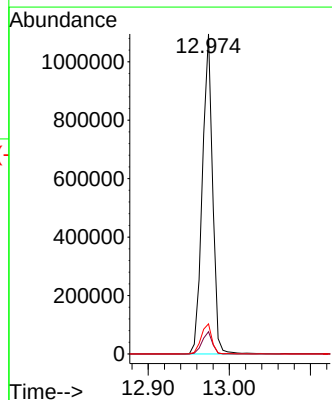
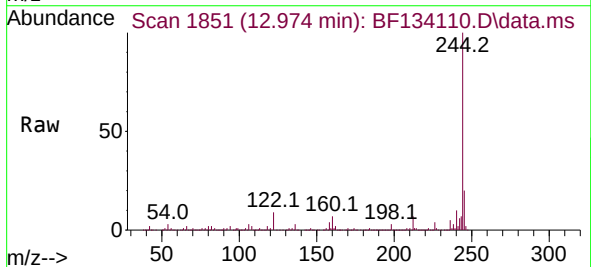
Instrument :  
BNA\_F  
ClientSampleId :

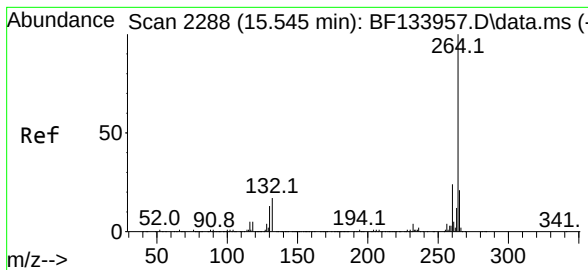
Tgt Ion:184 Resp: 13614  
Ion Ratio Lower Upper  
184 100  
185 18.2 11.6 17.4#  
183 5.3 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 65.050 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. -0.012 min  
Lab File: BF134110.D  
Acq: 06 Jul 2023 22:28

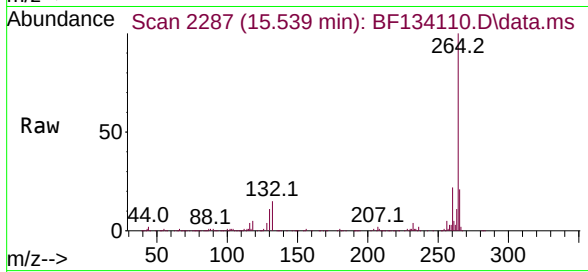
Tgt Ion:244 Resp: 962573  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 9.4 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF134110.D  
 Acq: 06 Jul 2023 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:264 Resp: 201988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.2  | 19.5  | 29.3  |
| 265 | 20.7  | 16.6  | 25.0  |

