

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121123\  
 Data File : BF136495.D  
 Acq On : 11 Dec 2023 17:42  
 Operator : CG\JU  
 Sample : 05551-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-110

Quant Time: Dec 11 18:03:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

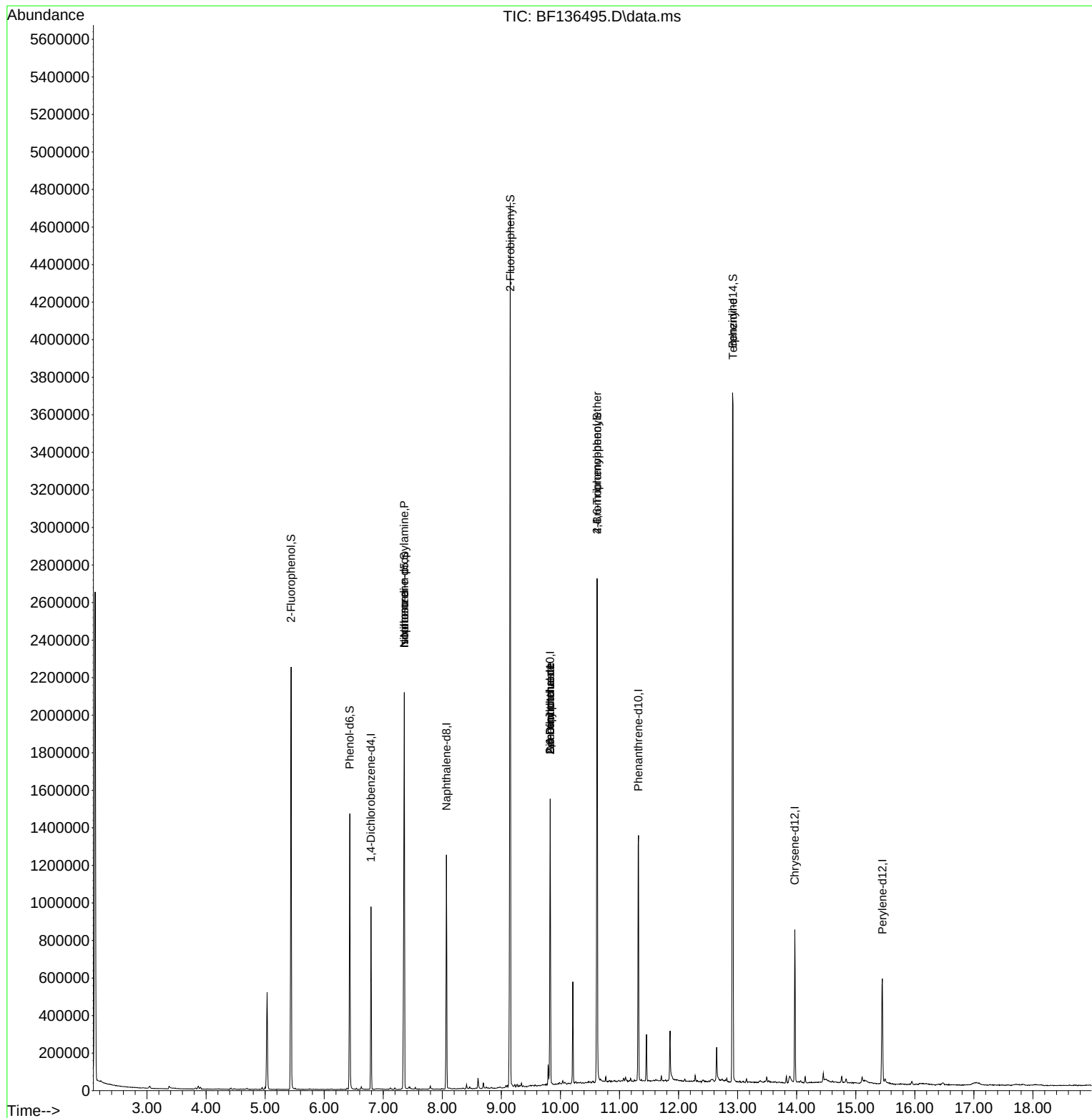
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 135648   | 20.000    | ng     | -0.01    |
| 21) Naphthalene-d8            | 8.069  | 136  | 547681   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 9.828  | 164  | 281868   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.322 | 188  | 512873   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 258912   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.451 | 264  | 270727   | 20.000    | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 568800   | 61.926    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 482659   | 42.117    | ng     | -0.01    |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 757900   | 74.811    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 373775   | 107.547   | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1509052  | 73.052    | ng     | -0.01    |
| 79) Terphenyl-d14             | 12.921 | 244  | 1483794  | 75.536    | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           |        |          |
| 9) Benzaldehyde               | 6.345  | 77   | 100      | Below Cal | Qvalue | # 30     |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 98182    | 14.852    | ng     | # 76     |
| 25) Isophorone                | 7.357  | 82   | 756488   | 41.563    | ng     | # 65     |
| 50) Dimethylphthalate         | 9.828  | 163  | 57223    | 2.757     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.828  | 165  | 35850    | 7.679     | ng     | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.828  | 165  | 35850    | 5.805     | ng     | # 28     |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 23051    | 3.866     | ng     | # 1      |
| 77) Benzidine                 | 12.916 | 184  | 17657    | 3.531     | ng     | # 94     |
| -----                         |        |      |          |           |        |          |

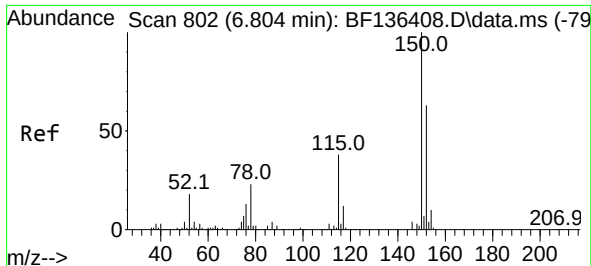
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121123\  
Data File : BF136495.D  
Acq On : 11 Dec 2023 17:42  
Operator : CG\JU  
Sample : 05551-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

Quant Time: Dec 11 18:03:15 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 09:40:27 2023  
Response via : Initial Calibration

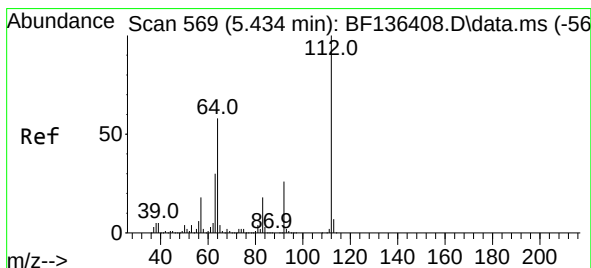
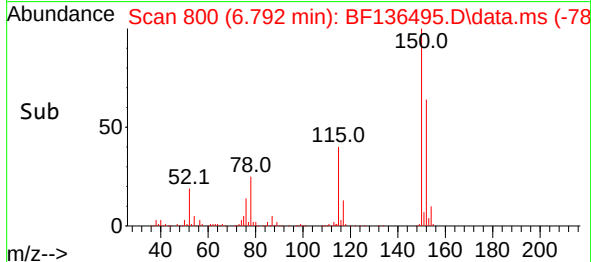
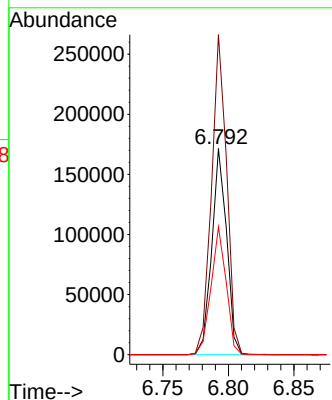
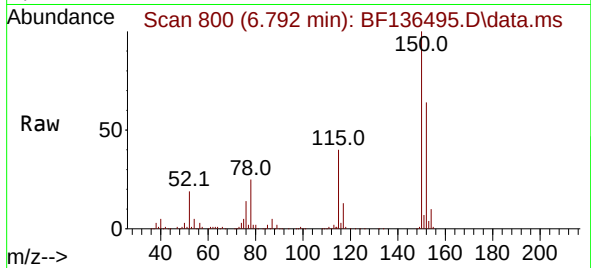




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 802  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

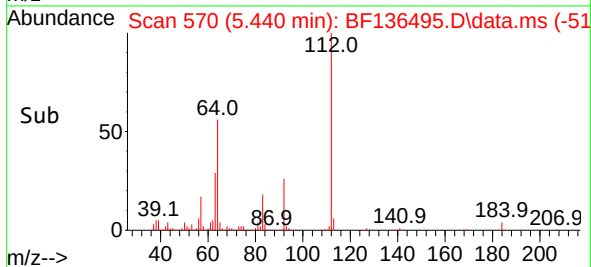
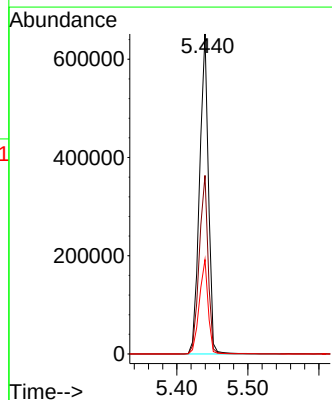
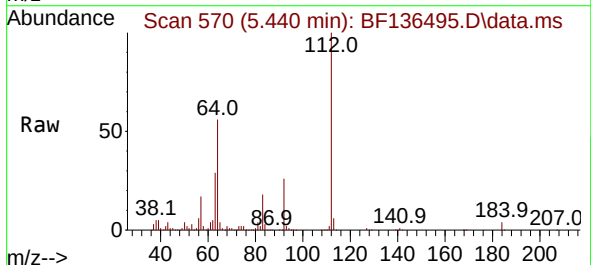
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

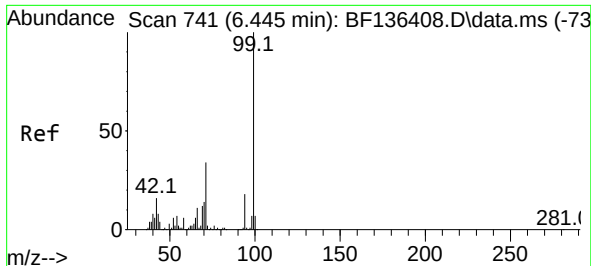
Tgt Ion:152 Resp: 135648  
Ion Ratio Lower Upper  
152 100  
150 155.2 126.4 189.6  
115 62.0 48.2 72.4



#5  
2-Fluorophenol  
Concen: 61.926 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:112 Resp: 568800  
Ion Ratio Lower Upper  
112 100  
64 55.8 46.5 69.7  
63 29.5 23.9 35.9





#7  
Phenol-d6  
Concen: 42.117 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

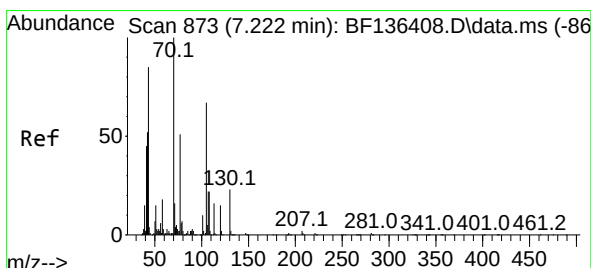
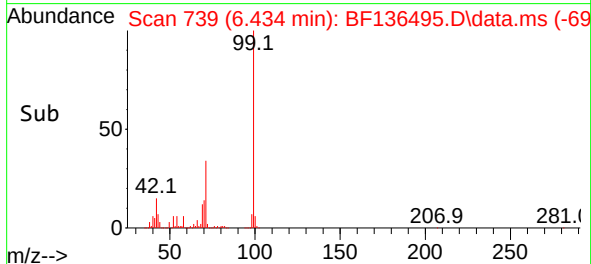
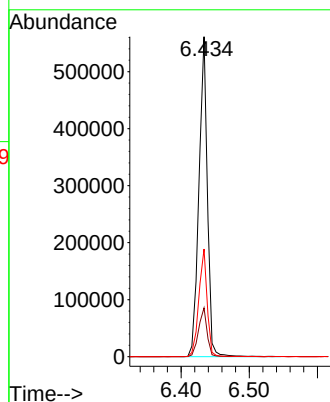
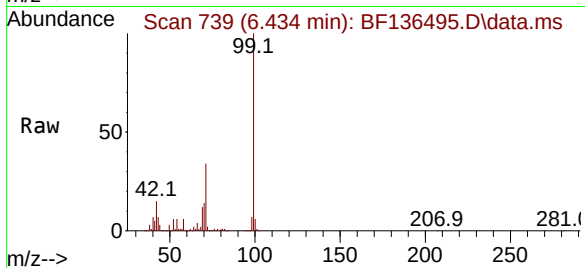
Instrument :

BNA\_F

ClientSampleId :

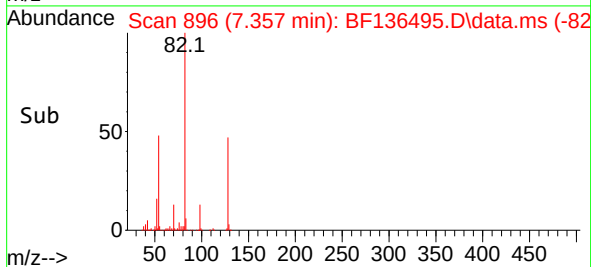
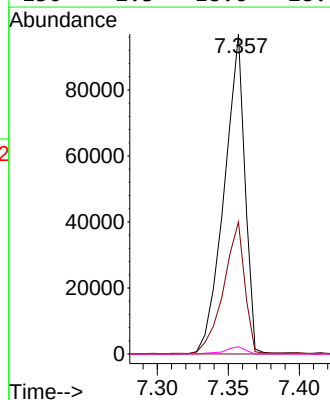
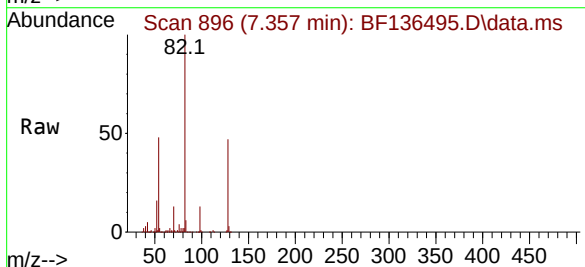
MW-110

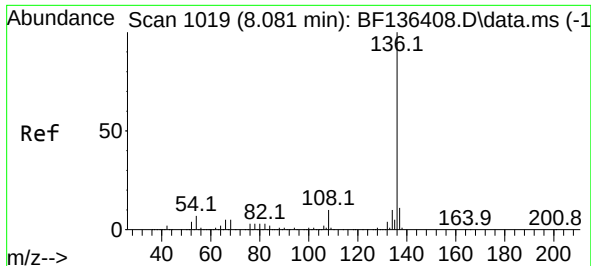
Tgt Ion: 99 Resp: 482659  
Ion Ratio Lower Upper  
99 100  
42 15.3 12.8 19.2  
71 33.6 27.0 40.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.852 ng  
RT: 7.357 min Scan# 896  
Delta R.T. 0.135 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion: 70 Resp: 98182  
Ion Ratio Lower Upper  
70 100  
42 41.3 41.4 62.0#  
101 0.0 8.2 12.4#  
130 2.3 18.6 28.0#



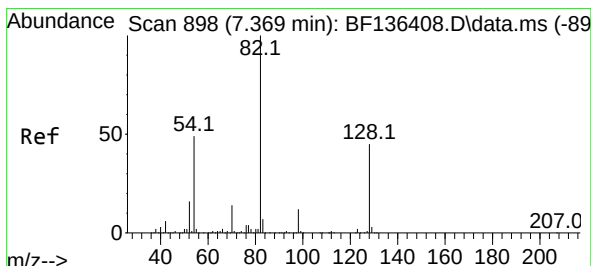
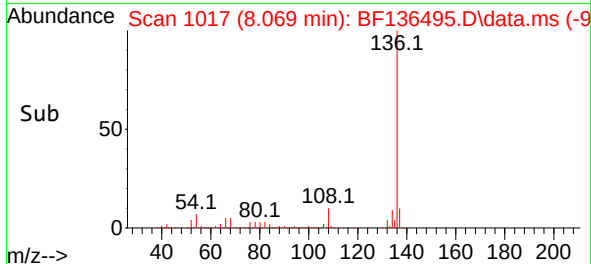
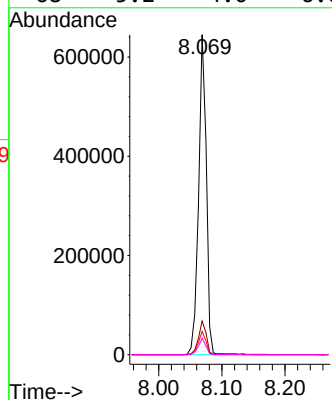
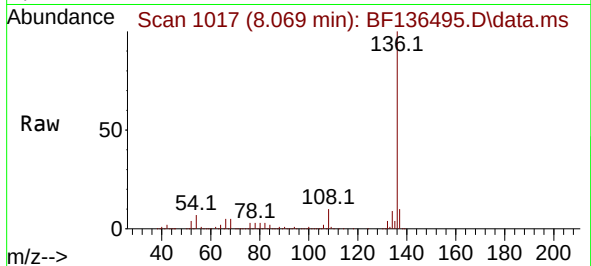


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1019  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

Tgt Ion:136 Resp: 547681

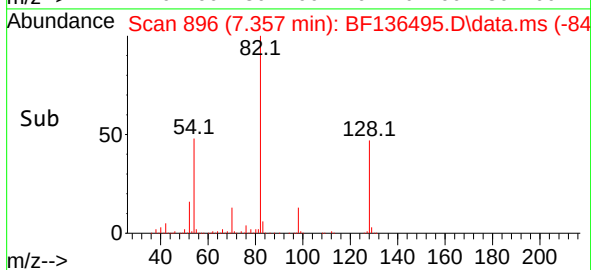
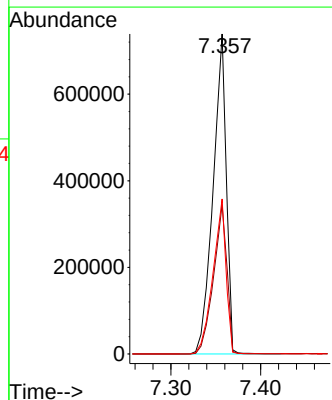
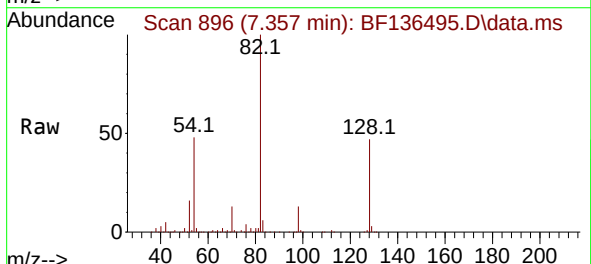
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.6   | 12.8  |
| 54  | 7.2   | 5.7   | 8.5   |
| 68  | 5.2   | 4.0   | 6.0   |

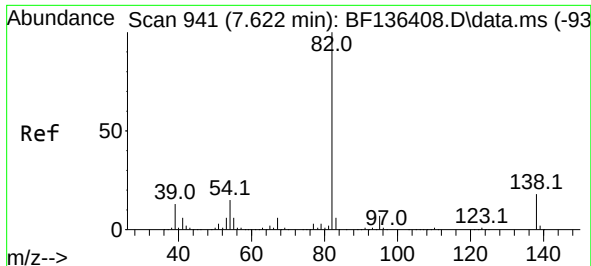


#23  
Nitrobenzene-d5  
Concen: 74.811 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion: 82 Resp: 757900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.6  | 36.3  | 54.5  |
| 54  | 48.4  | 39.0  | 58.6  |

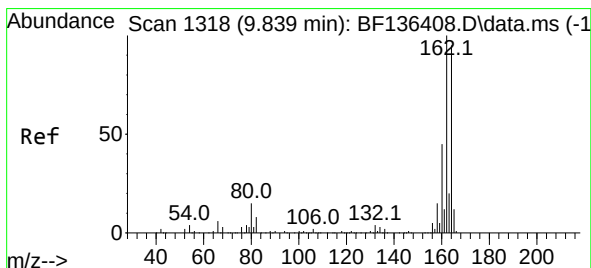
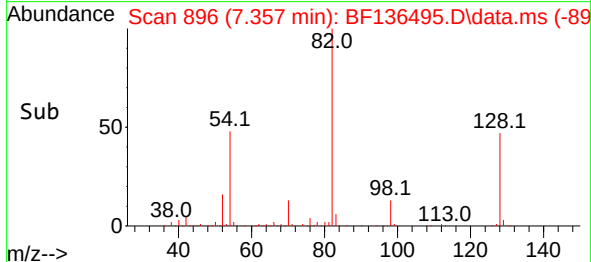
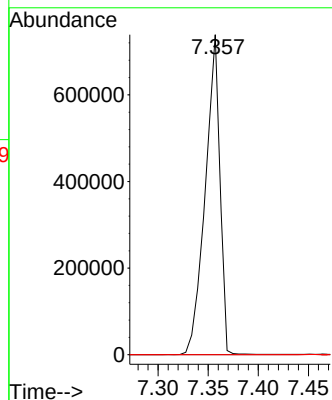
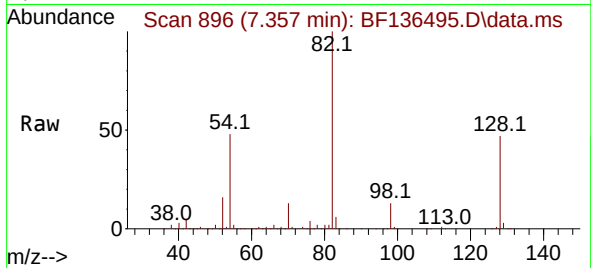




#25  
Isophorone  
Concen: 41.563 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

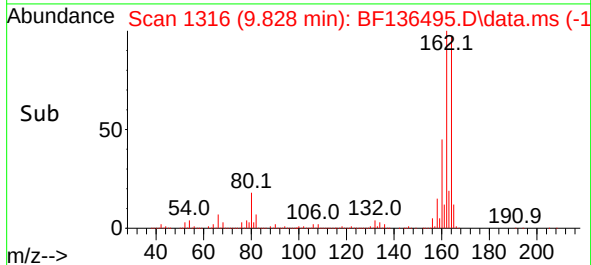
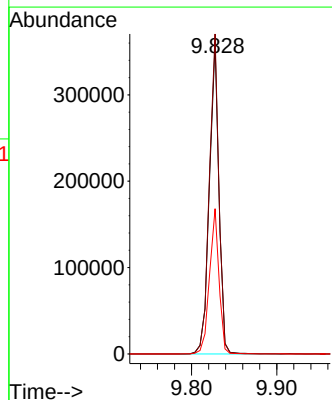
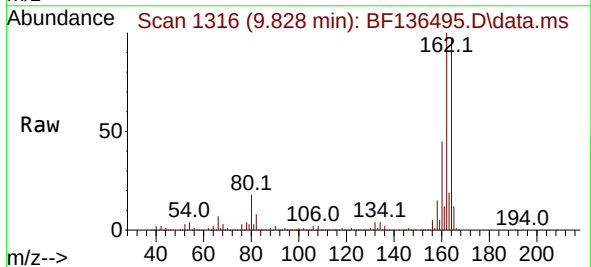
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

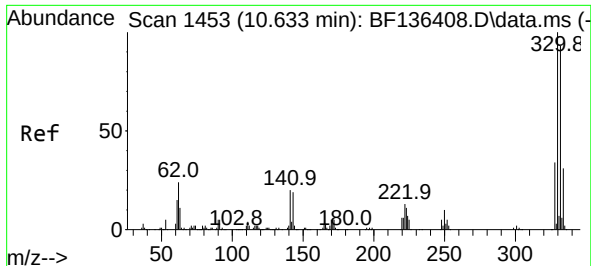
Tgt Ion: 82 Resp: 756488  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:164 Resp: 281868  
Ion Ratio Lower Upper  
164 100  
162 103.0 84.4 126.6  
160 46.7 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 107.547 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136495.D

Acq: 11 Dec 2023 17:42

Instrument :

BNA\_F

ClientSampleId :

MW-110

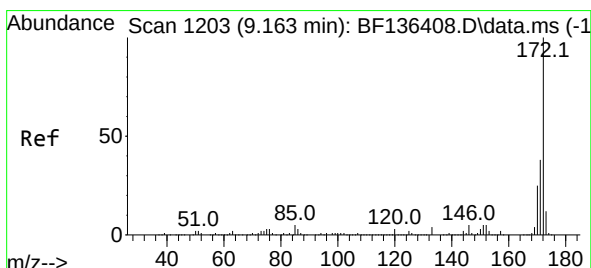
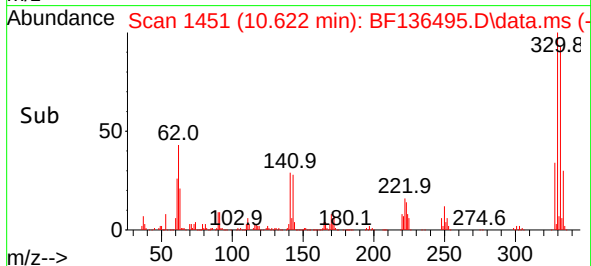
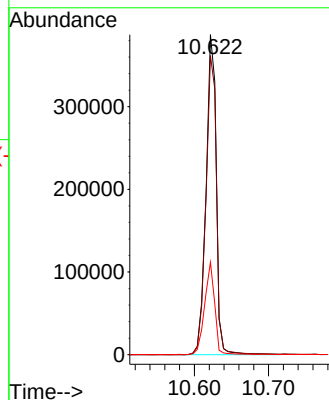
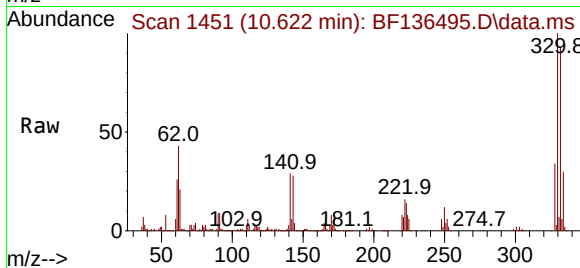
Tgt Ion:330 Resp: 373775

Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 28.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 73.052 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136495.D

Acq: 11 Dec 2023 17:42

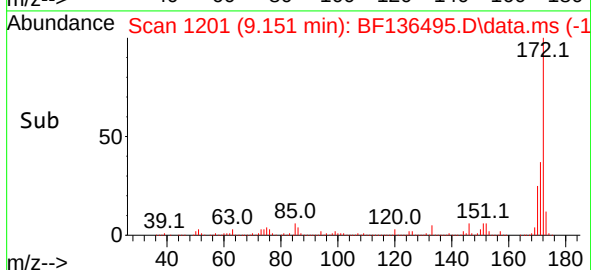
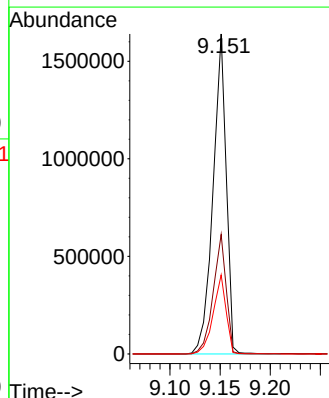
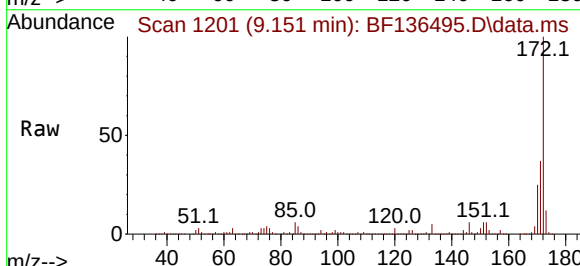
Tgt Ion:172 Resp: 1509052

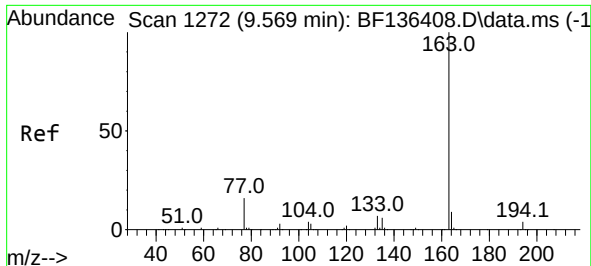
Ion Ratio Lower Upper

172 100

171 37.4 30.5 45.7

170 24.7 19.9 29.9

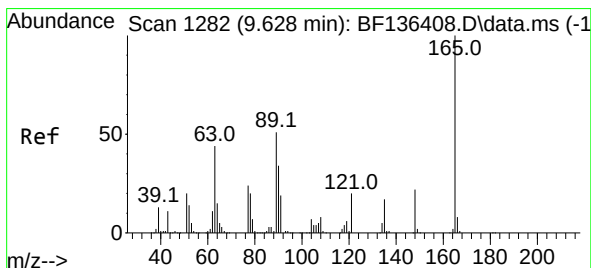
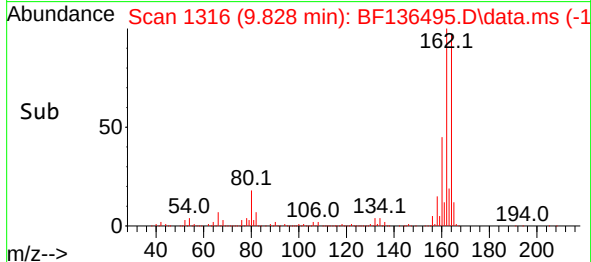
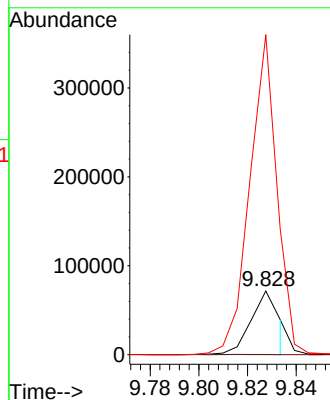
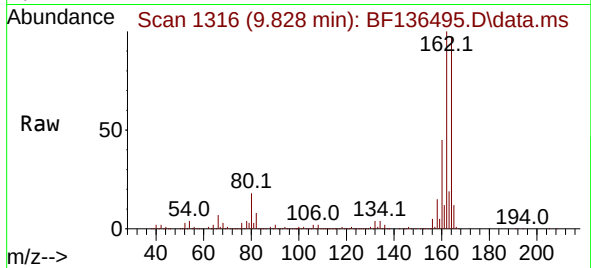




#50  
Dimethylphthalate  
Concen: 2.757 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. 0.259 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

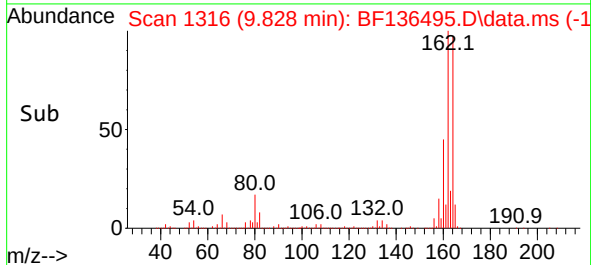
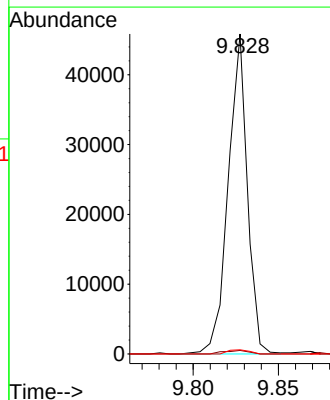
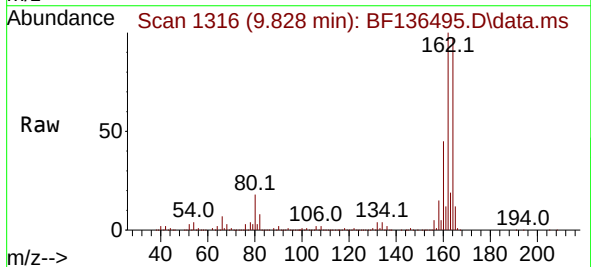
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

Tgt Ion:163 Resp: 57223  
Ion Ratio Lower Upper  
163 100  
194 0.2 3.0 4.6#  
164 502.1 7.4 11.2#

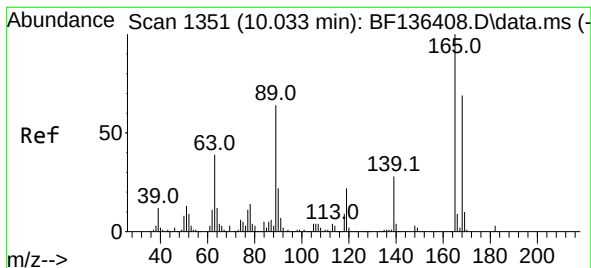


#51  
2,6-Dinitrotoluene  
Concen: 7.679 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. 0.200 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:165 Resp: 35850  
Ion Ratio Lower Upper  
165 100  
63 1.1 40.4 60.6#  
89 1.3 40.6 60.8#



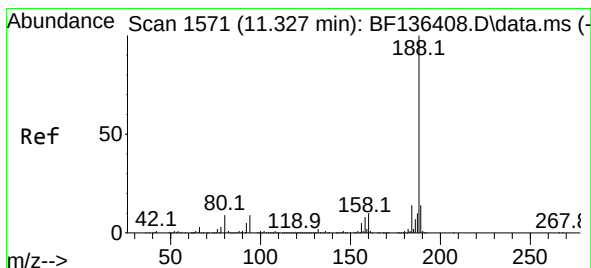
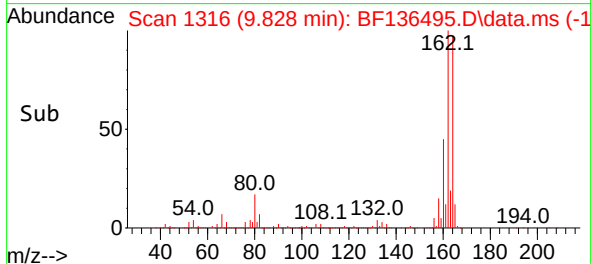
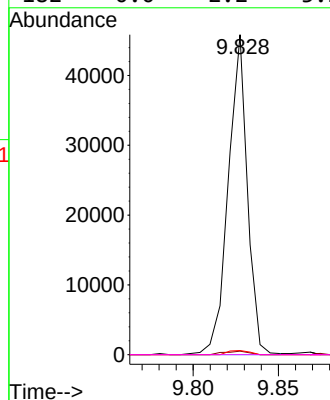
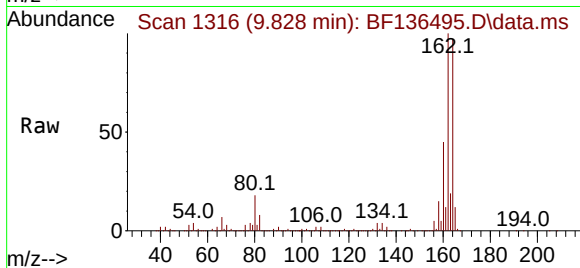




#57  
2,4-Dinitrotoluene  
Concen: 5.805 ng  
RT: 9.828 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

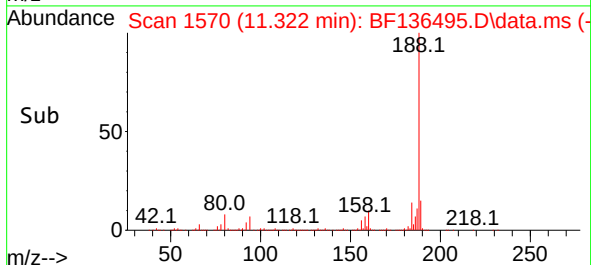
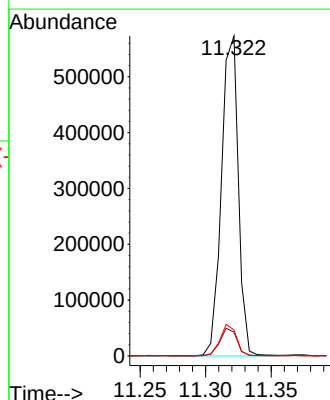
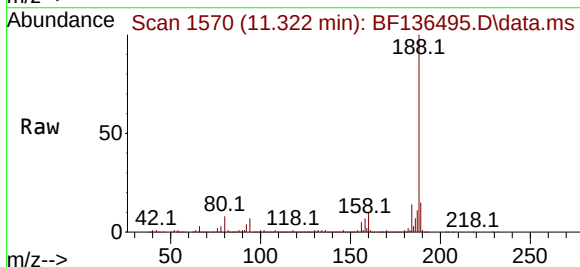
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

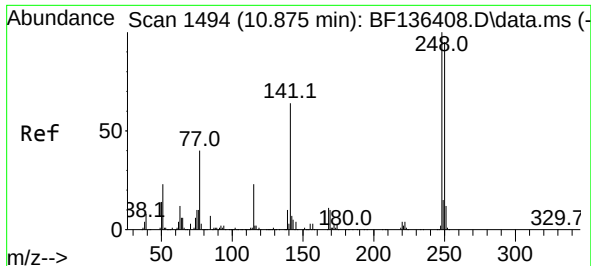
Tgt Ion:165 Resp: 35850  
Ion Ratio Lower Upper  
165 100  
63 1.1 31.4 47.2#  
89 1.3 51.7 77.5#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:188 Resp: 512873  
Ion Ratio Lower Upper  
188 100  
94 7.4 7.2 10.8  
80 8.1 7.2 10.8

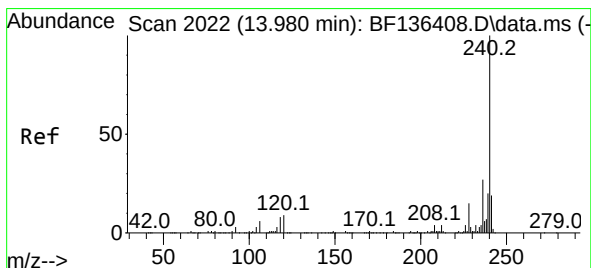
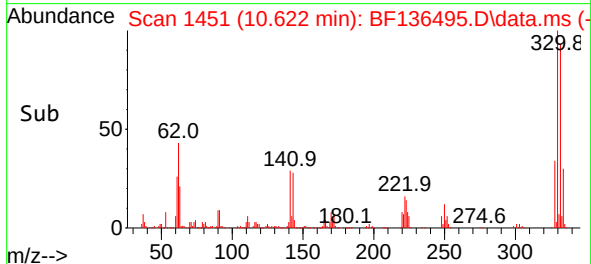
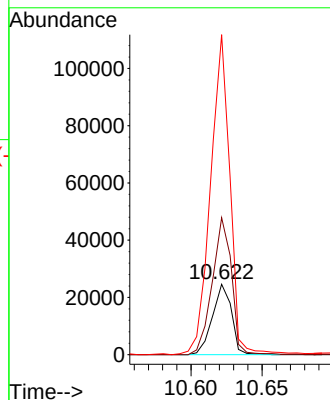
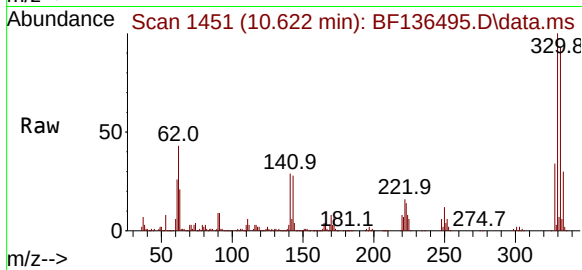




#67  
4-Bromophenyl-phenylether  
Concen: 3.866 ng  
RT: 10.622 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

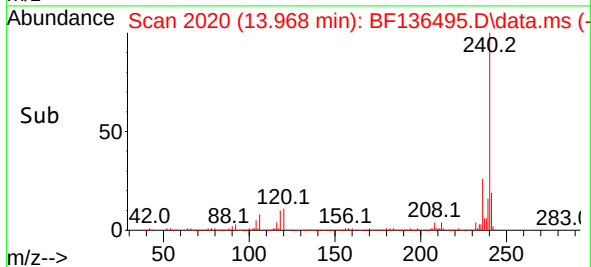
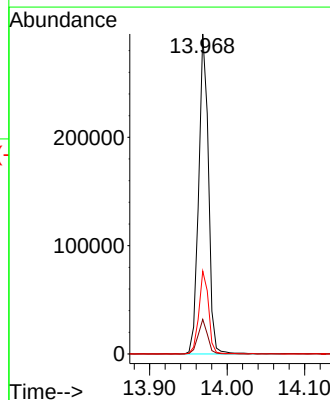
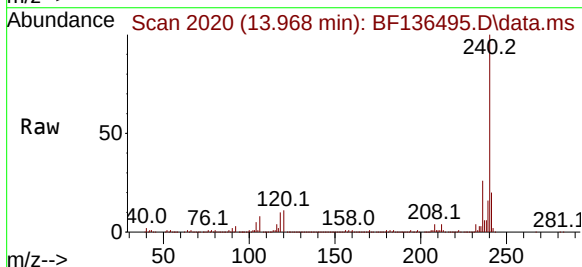
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

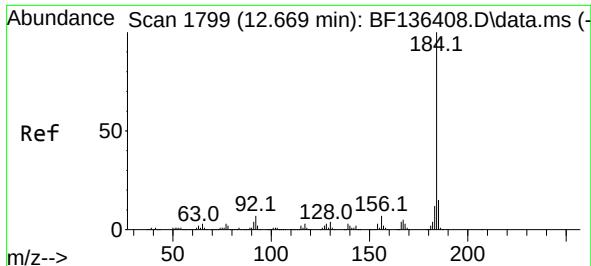
Tgt Ion:248 Resp: 23051  
Ion Ratio Lower Upper  
248 100  
250 194.3 76.2 114.2#  
141 454.0 51.0 76.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:240 Resp: 258912  
Ion Ratio Lower Upper  
240 100  
120 10.8 7.3 10.9  
236 25.9 21.3 31.9

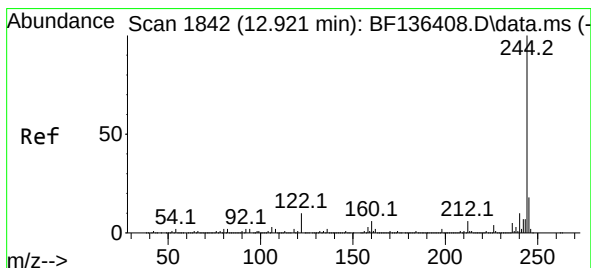
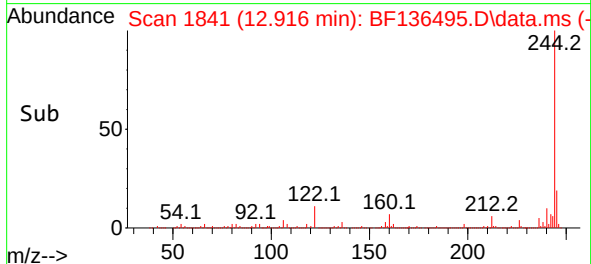
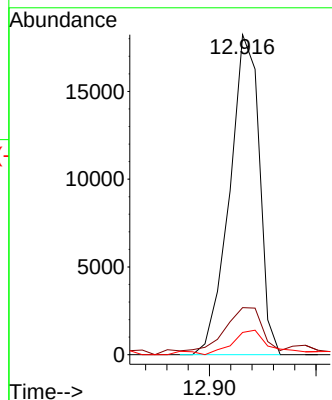
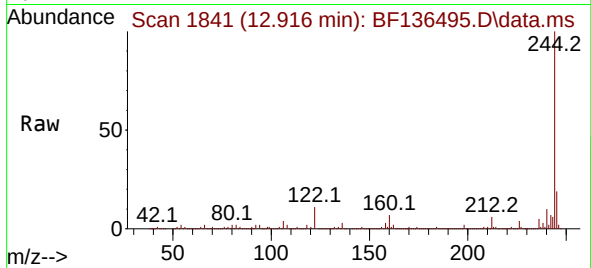




#77  
Benzidine  
Concen: 3.531 ng  
RT: 12.916 min Scan# 1841  
Delta R.T. 0.247 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

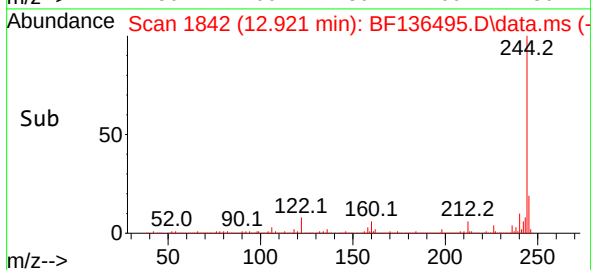
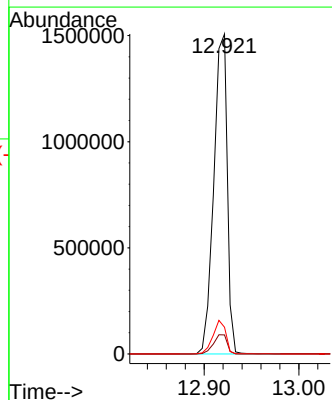
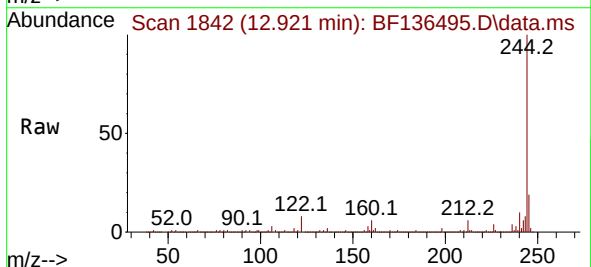
Instrument :  
BNA\_F  
ClientSampleId :  
MW-110

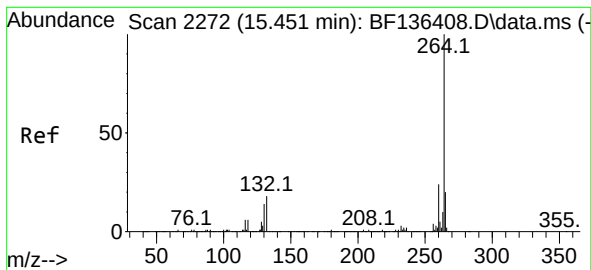
Tgt Ion:184 Resp: 17657  
Ion Ratio Lower Upper  
184 100  
185 14.7 12.0 18.0  
183 7.0 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 75.536 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: BF136495.D  
Acq: 11 Dec 2023 17:42

Tgt Ion:244 Resp: 1483794  
Ion Ratio Lower Upper  
244 100  
212 5.9 5.0 7.4  
122 8.4 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136495.D

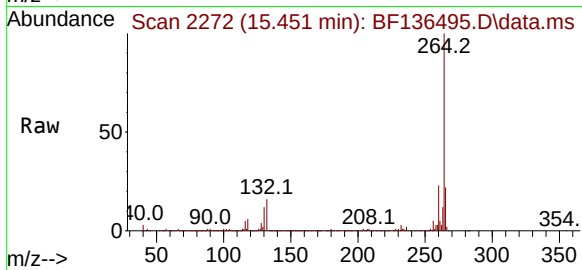
Acq: 11 Dec 2023 17:42

Instrument :

BNA\_F

ClientSampleId :

MW-110



Tgt Ion:264 Resp: 270727

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.9 15.9 23.9

