

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101723\  
 Data File : BF135810.D  
 Acq On : 17 Oct 2023 14:06  
 Operator : CG\JU  
 Sample : 04724-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2

Quant Time: Oct 18 01:37:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

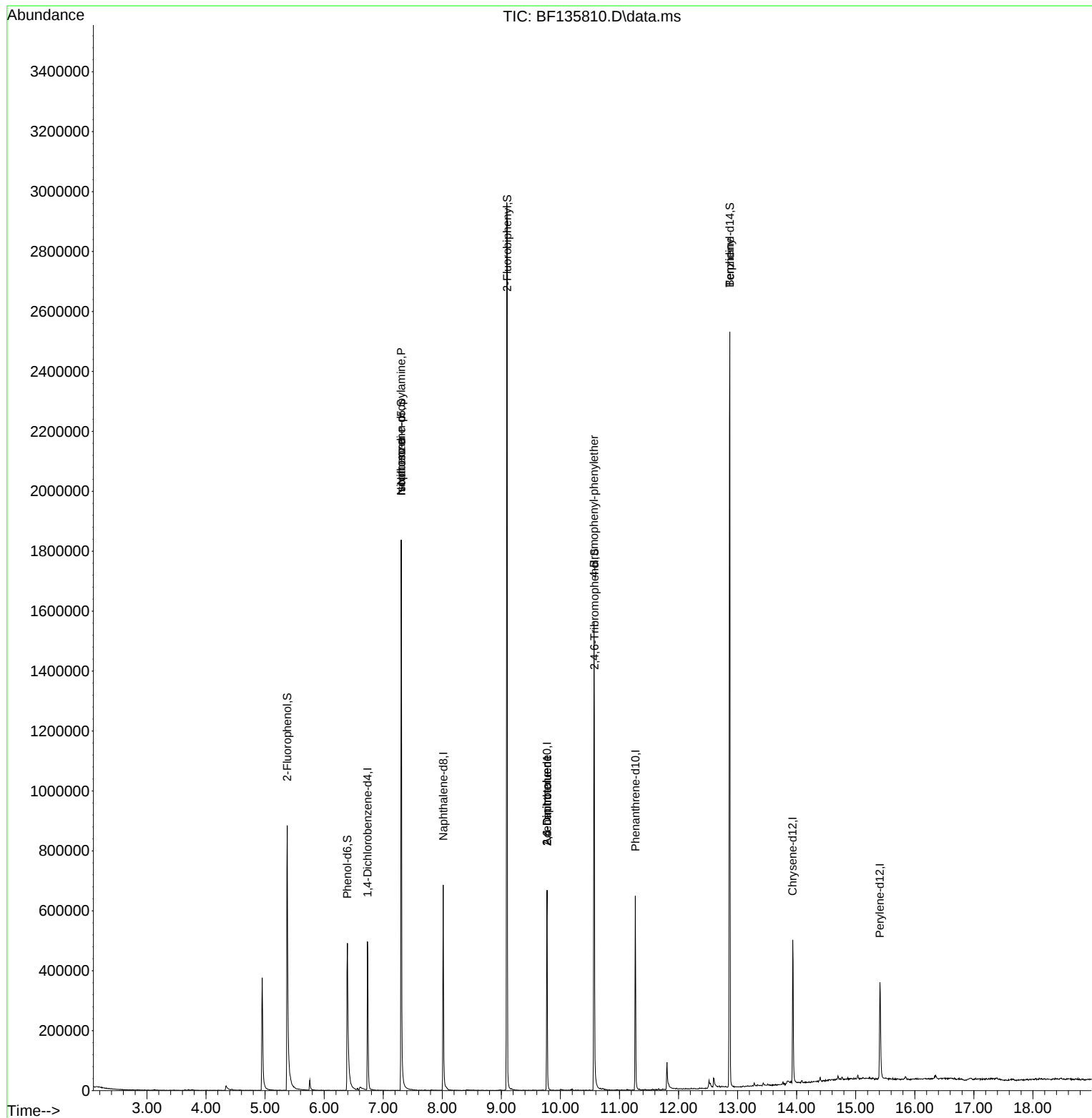
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.734  | 152  | 77868    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.016  | 136  | 296225   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 139524   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.269 | 188  | 231668   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.933 | 240  | 174412   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.410 | 264  | 162145   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 332068   | 68.563  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.393  | 99   | 252251   | 41.742  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 556427   | 103.310 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 193798   | 144.750 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 982560   | 110.106 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 933520   | 99.121  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 74981    | 20.067  | ng    | # 75     |
| 25) Isophorone                | 7.304  | 82   | 556427   | 54.761  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 17316    | 8.549   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 17316    | 6.720   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.569 | 248  | 12138    | 5.219   | ng    | # 1      |
| 77) Benzidine                 | 12.869 | 184  | 11345    | 2.981   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

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

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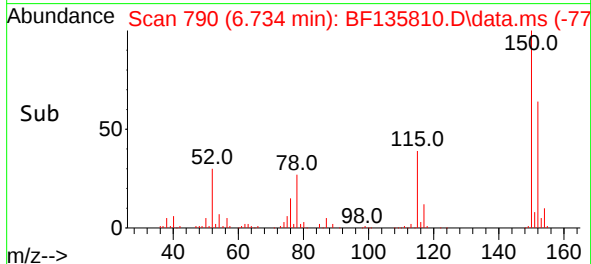
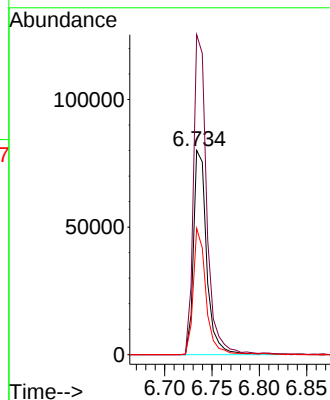
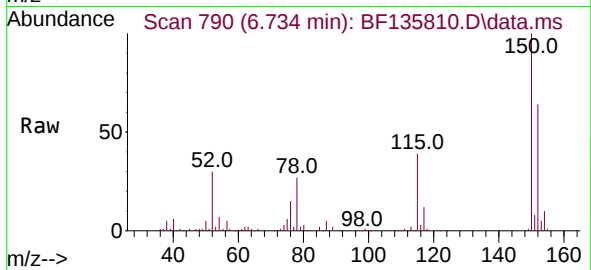




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.734 min Scan# 791  
Delta R.T. -0.012 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

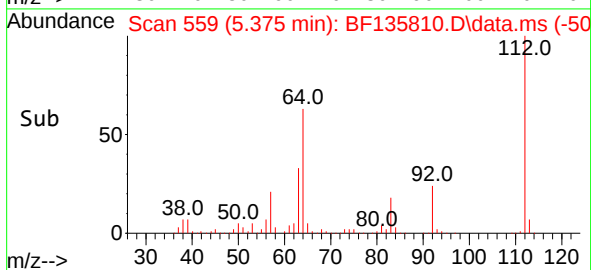
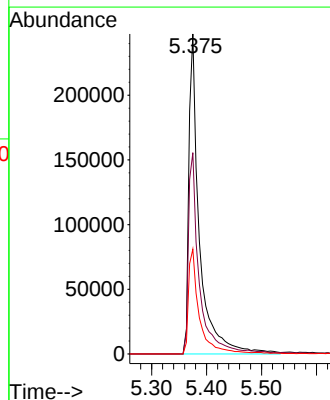
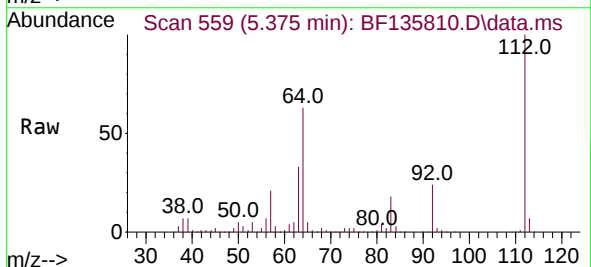
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

Tgt Ion:152 Resp: 77868  
Ion Ratio Lower Upper  
152 100  
150 156.6 124.5 186.7  
115 61.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 68.563 ng  
RT: 5.375 min Scan# 559  
Delta R.T. -0.000 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion:112 Resp: 332068  
Ion Ratio Lower Upper  
112 100  
64 62.9 51.2 76.8  
63 32.7 26.1 39.1

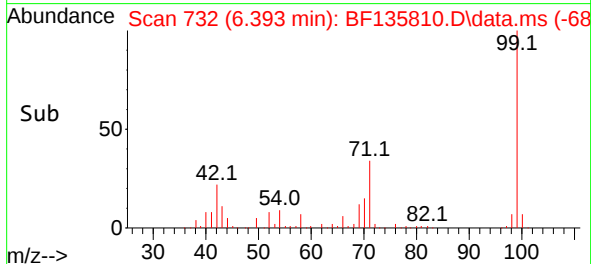
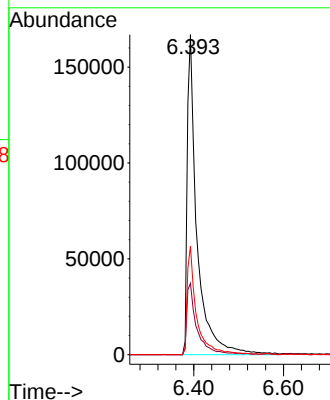
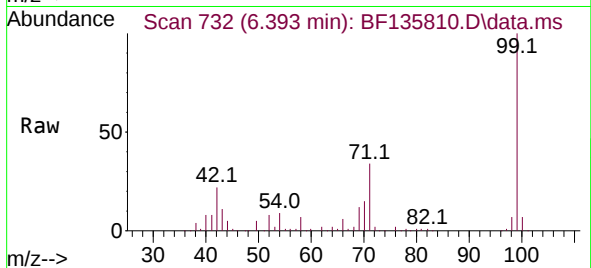




#7  
Phenol-d6  
Concen: 41.742 ng  
RT: 6.393 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

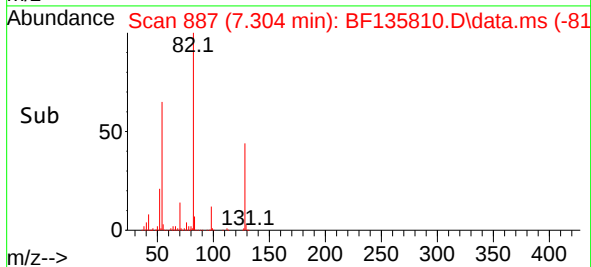
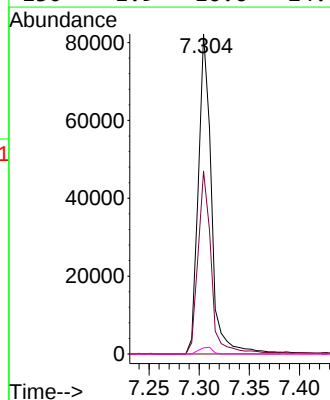
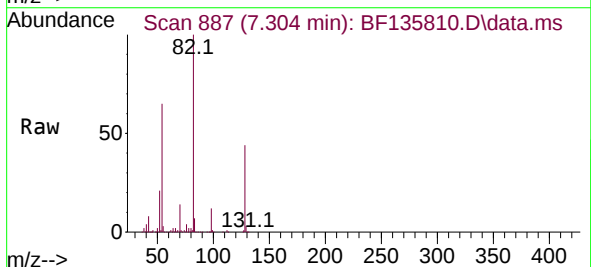
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

Tgt Ion: 99 Resp: 252251  
Ion Ratio Lower Upper  
99 100  
42 22.3 18.4 27.6  
71 33.9 27.2 40.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.067 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.141 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion: 70 Resp: 74981  
Ion Ratio Lower Upper  
70 100  
42 57.2 59.8 89.6#  
101 0.0 7.4 11.2#  
130 1.9 16.6 24.8#



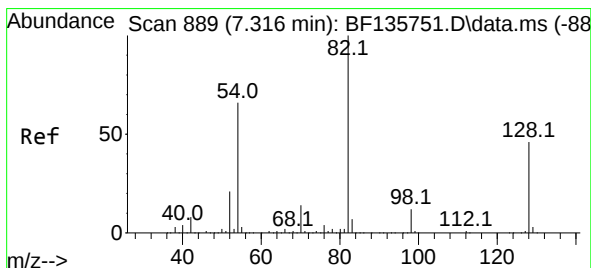
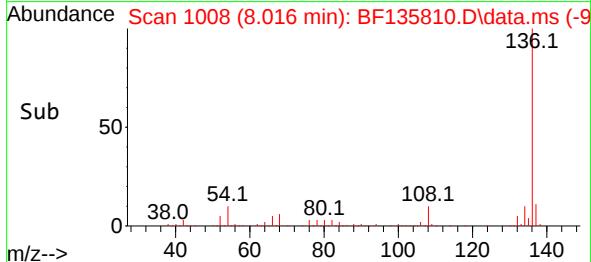
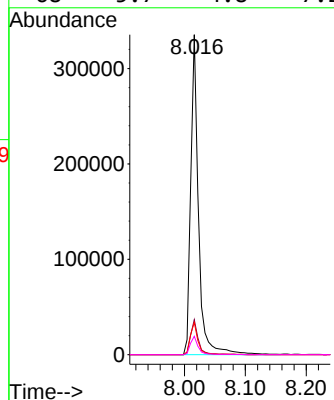
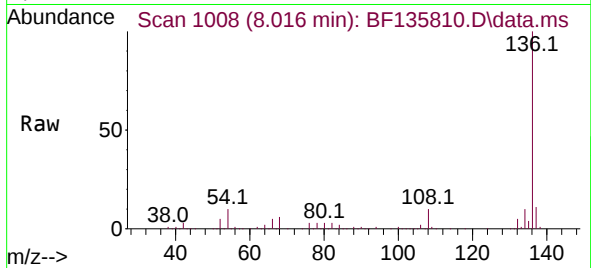


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

Tgt Ion:136 Resp: 296225

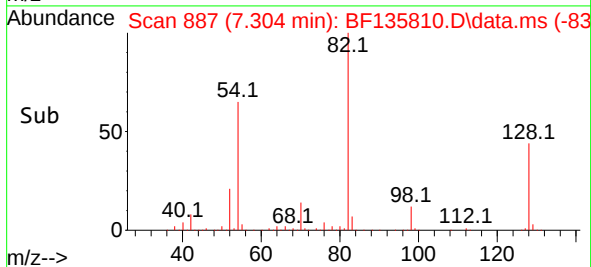
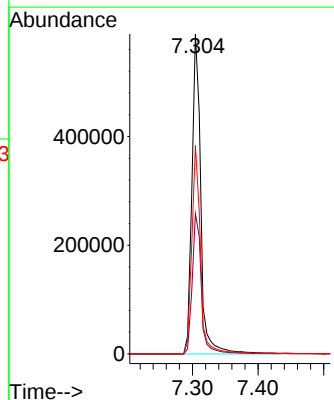
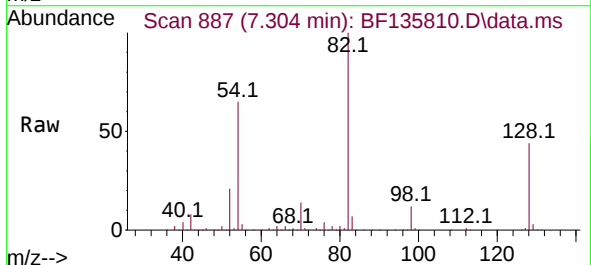
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 10.1  | 8.5   | 12.7  |
| 68  | 5.7   | 4.8   | 7.2   |



#23  
Nitrobenzene-d5  
Concen: 103.310 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.012 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion: 82 Resp: 556427

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.9  | 37.0  | 55.6  |
| 54  | 65.1  | 52.8  | 79.2  |

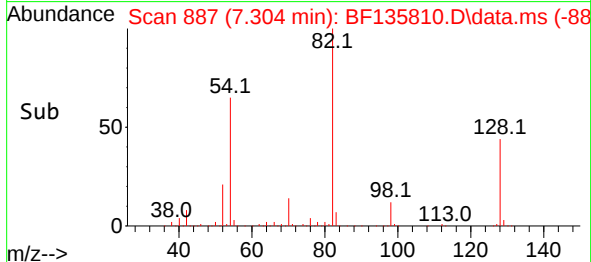
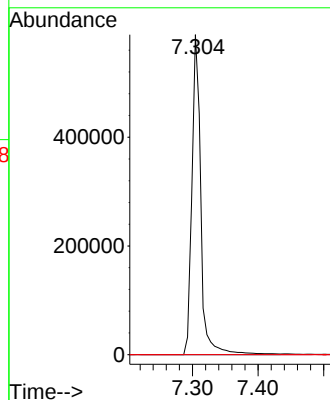
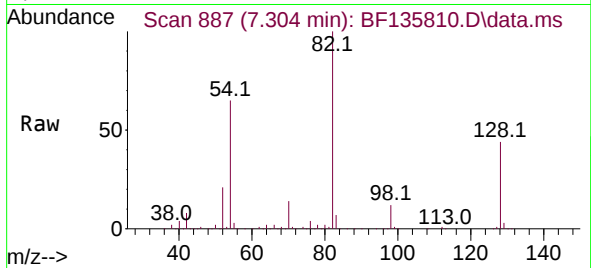




#25  
Isophorone  
Concen: 54.761 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

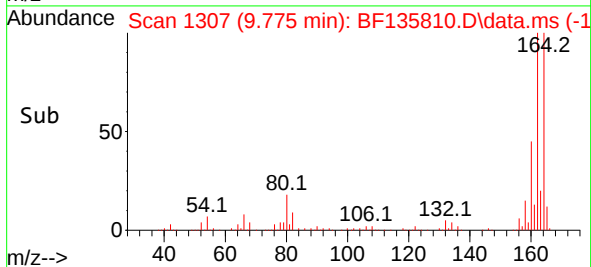
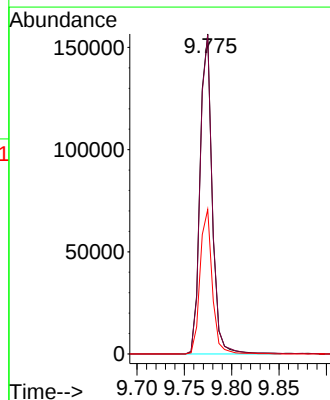
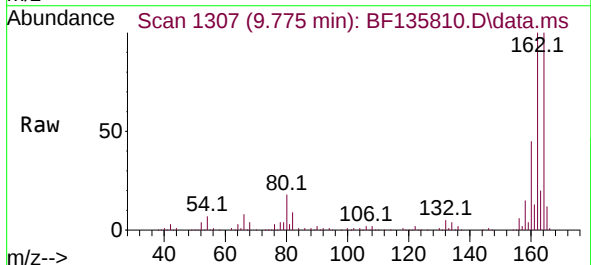
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

Tgt Ion: 82 Resp: 556427  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion: 164 Resp: 139524  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.8 121.2  
160 45.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 144.750 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135810.D

Acq: 17 Oct 2023 14:06

Instrument :

BNA\_F

ClientSampleId :

MW-2

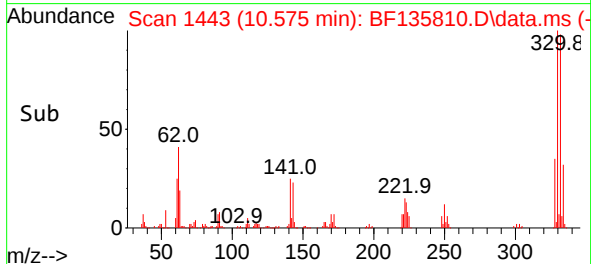
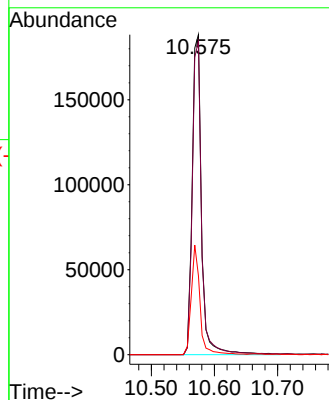
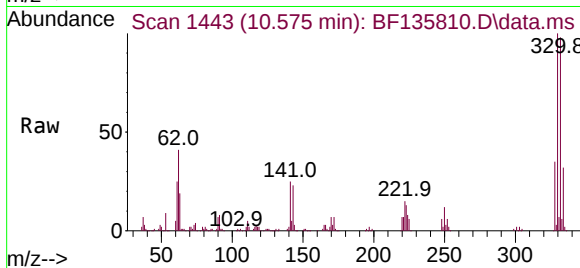
Tgt Ion:330 Resp: 193798

Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.4

141 32.0 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 110.106 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135810.D

Acq: 17 Oct 2023 14:06

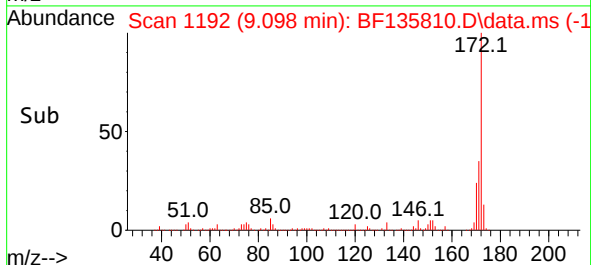
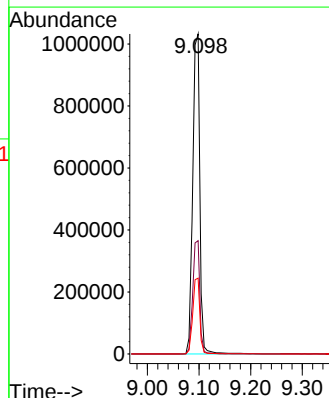
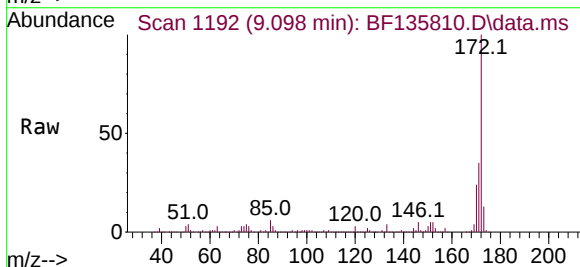
Tgt Ion:172 Resp: 982560

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 18.8 28.2

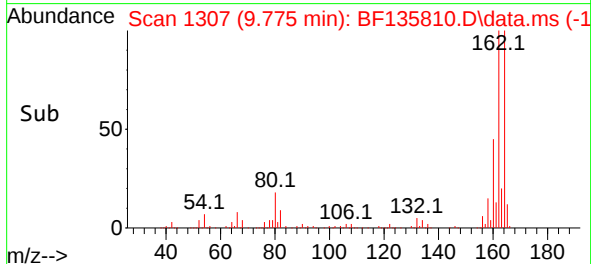
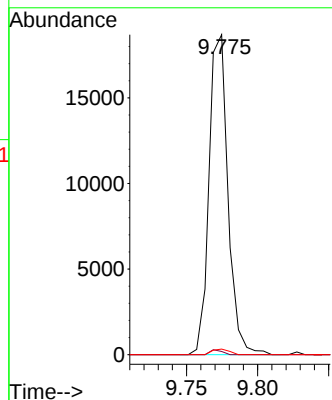
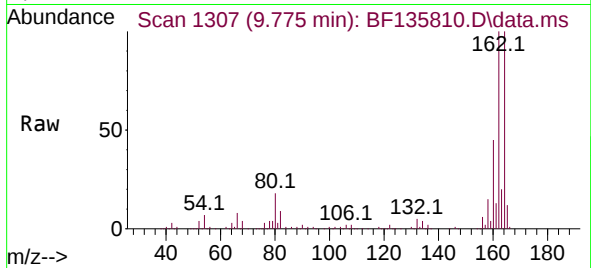




#51  
2,6-Dinitrotoluene  
Concen: 8.549 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

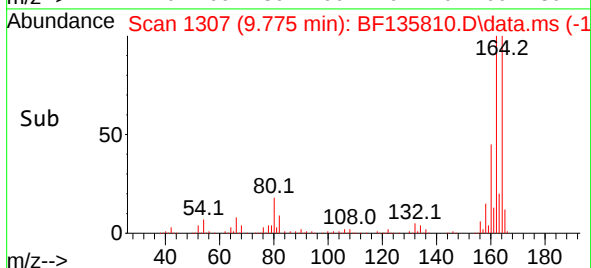
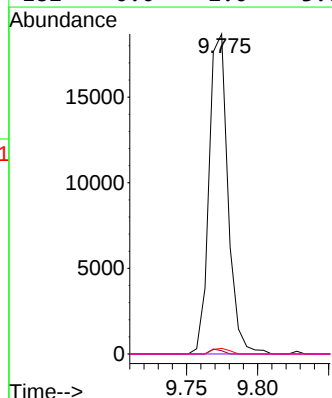
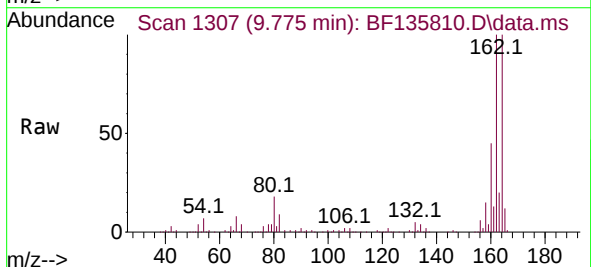
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

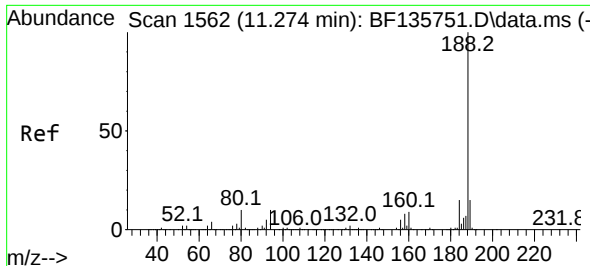
Tgt Ion:165 Resp: 17316  
Ion Ratio Lower Upper  
165 100  
63 1.0 62.2 93.4#  
89 1.8 49.6 74.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.720 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.229 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion:165 Resp: 17316  
Ion Ratio Lower Upper  
165 100  
63 1.0 39.0 58.4#  
89 1.8 55.9 83.9#  
182 0.0 2.0 3.0#

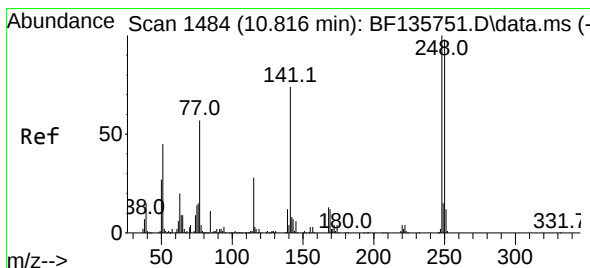
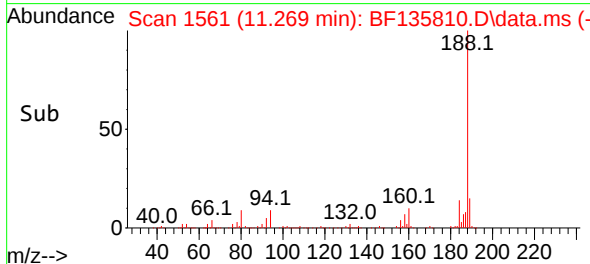
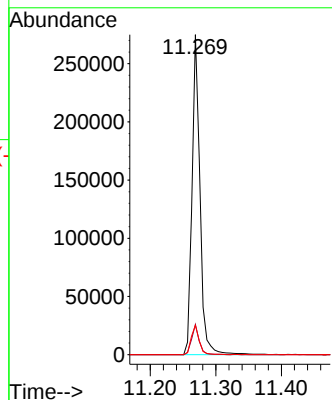
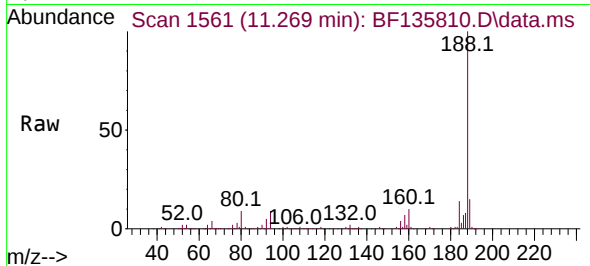




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

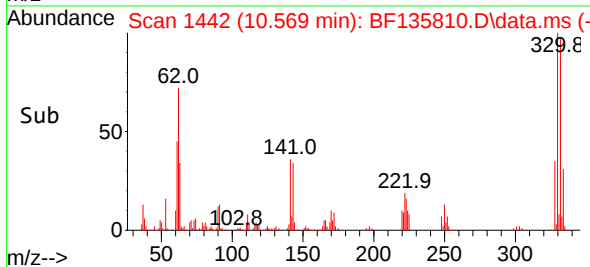
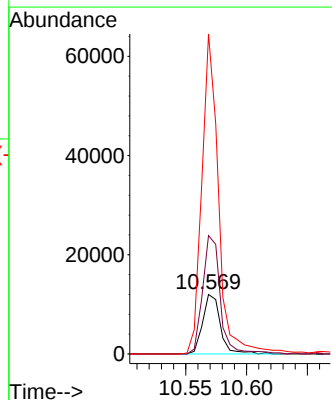
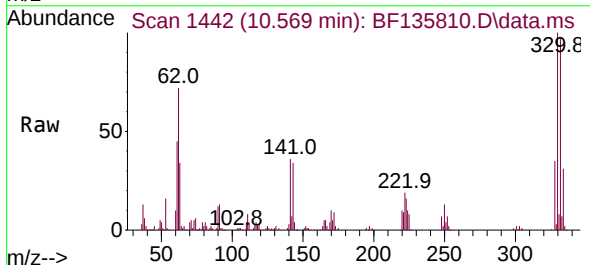
Instrument :  
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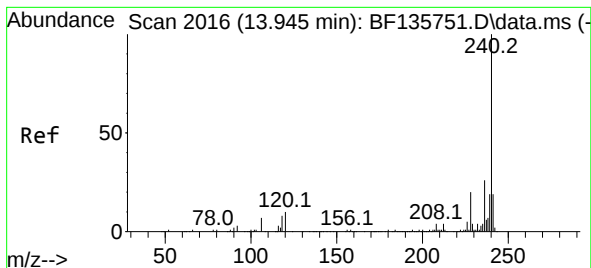
Tgt Ion:188 Resp: 231668  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.0 12.0  
80 9.2 8.3 12.5



#67  
4-Bromophenyl-phenylether  
Concen: 5.219 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. -0.253 min  
Lab File: BF135810.D  
Acq: 17 Oct 2023 14:06

Tgt Ion:248 Resp: 12138  
Ion Ratio Lower Upper  
248 100  
250 198.8 78.0 117.0#  
141 537.5 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF135810.D

Acq: 17 Oct 2023 14:06

Instrument :

BNA\_F

ClientSampleId :

MW-2

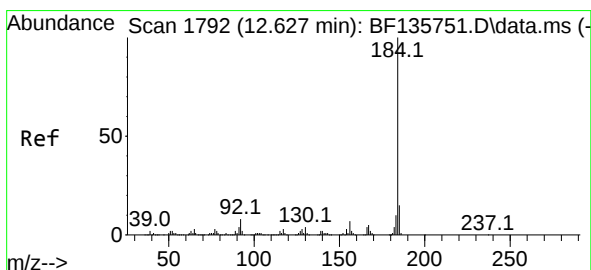
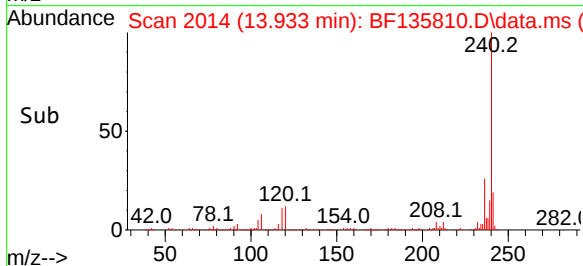
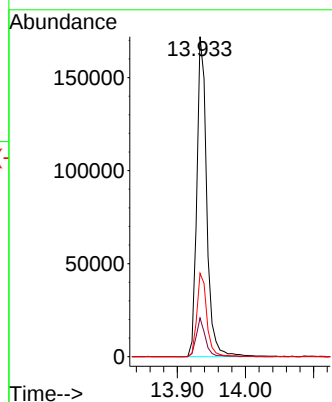
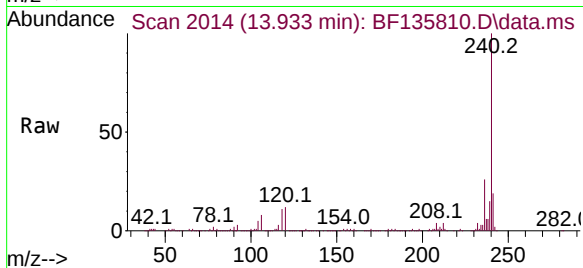
Tgt Ion:240 Resp: 174412

Ion Ratio Lower Upper

240 100

120 12.1 8.2 12.2

236 26.0 21.2 31.8



#77

Benzidine

Concen: 2.981 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135810.D

Acq: 17 Oct 2023 14:06

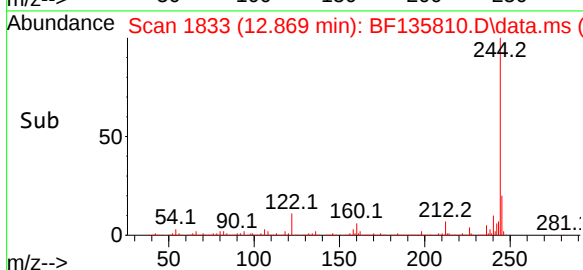
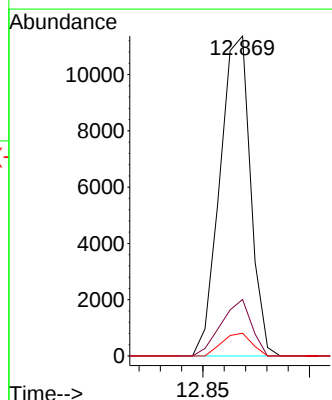
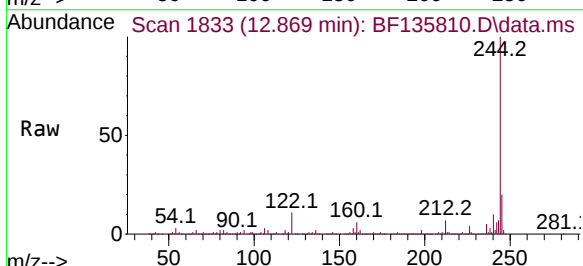
Tgt Ion:184 Resp: 11345

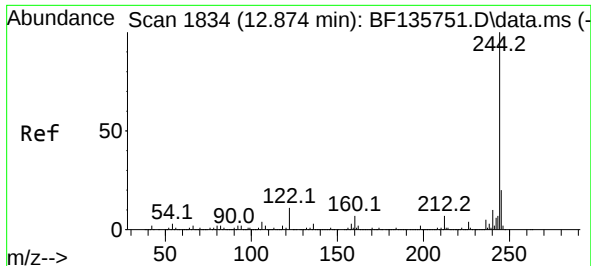
Ion Ratio Lower Upper

184 100

185 17.7 12.0 18.0

183 7.1 8.2 12.2#

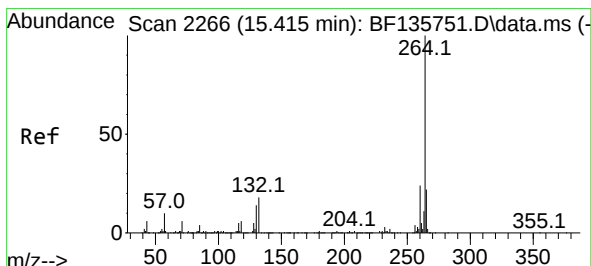
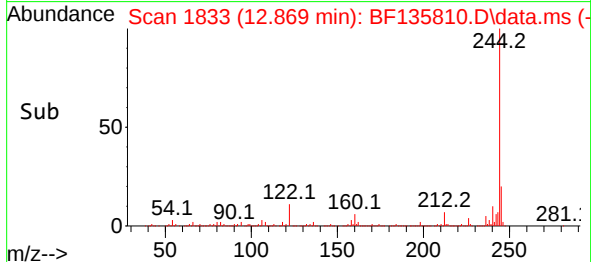
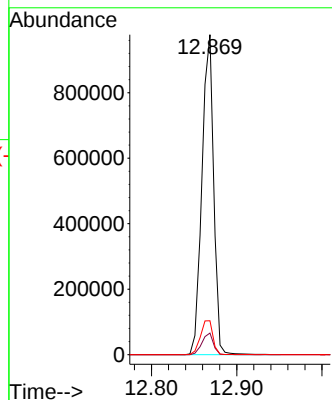
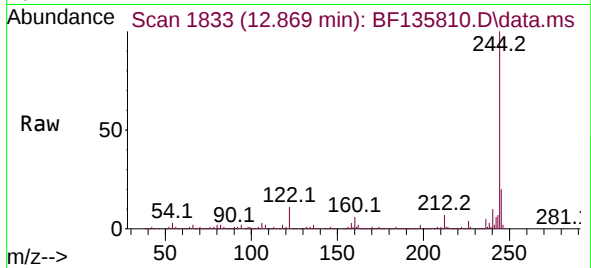




#79  
 Terphenyl-d14  
 Concen: 99.121 ng  
 RT: 12.869 min Scan# 1833  
 Delta R.T. -0.012 min  
 Lab File: BF135810.D  
 Acq: 17 Oct 2023 14:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2

Tgt Ion:244 Resp: 933520  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 10.6 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.410 min Scan# 2265  
 Delta R.T. -0.012 min  
 Lab File: BF135810.D  
 Acq: 17 Oct 2023 14:06

Tgt Ion:264 Resp: 162145  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.2 28.8  
 265 19.9 17.4 26.2

