

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100923\  
 Data File : BF135664.D  
 Acq On : 09 Oct 2023 22:12  
 Operator : CG\JU  
 Sample : 04656-10  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-103I

Quant Time: Oct 10 02:28:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|---------|-------|-----------|
| -----                         |        |      |          |         |       |           |
| Internal Standards            |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 103863   | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8            | 8.016  | 136  | 390720   | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10          | 9.775  | 164  | 190533   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10          | 11.269 | 188  | 320535   | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12              | 13.933 | 240  | 193880   | 20.000  | ng    | 0.00      |
| 86) Perylene-d12              | 15.398 | 264  | 206482   | 20.000  | ng    | 0.01      |
| System Monitoring Compounds   |        |      |          |         |       |           |
| 5) 2-Fluorophenol             | 5.369  | 112  | 328673   | 51.469  | ng    | 0.00      |
| 7) Phenol-d6                  | 6.387  | 99   | 244615   | 30.125  | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 623872   | 86.749  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 218464   | 115.380 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1068375  | 84.598  | ng    | 0.00      |
| 79) Terphenyl-d14             | 12.869 | 244  | 863559   | 69.047  | ng    | 0.00      |
| Target Compounds              |        |      |          |         |       |           |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 83206    | 16.543  | ng    | Qvalue 80 |
| 25) Isophorone                | 7.304  | 82   | 623865   | 47.242  | ng    | # 65      |
| 50) Dimethylphthalate         | 9.775  | 163  | 36897    | 2.864   | ng    | # 1       |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 24104    | 6.823   | ng    | # 19      |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 13126    | 4.117   | ng    | # 1       |
| 77) Benzidine                 | 12.869 | 184  | 10344    | 2.604   | ng    | # 92      |
| -----                         |        |      |          |         |       |           |

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

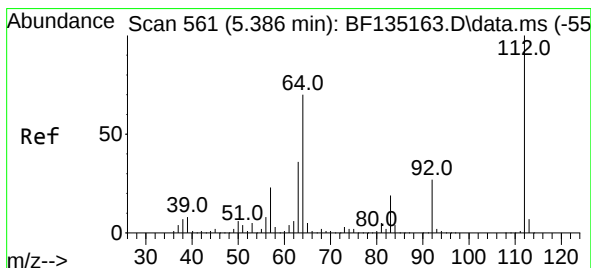
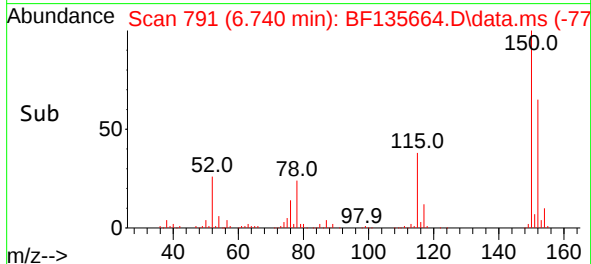
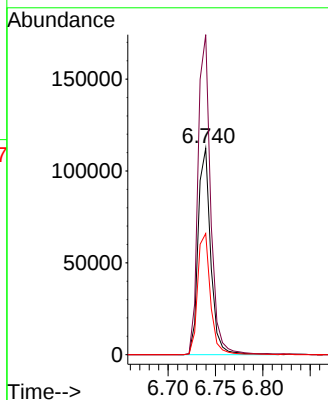
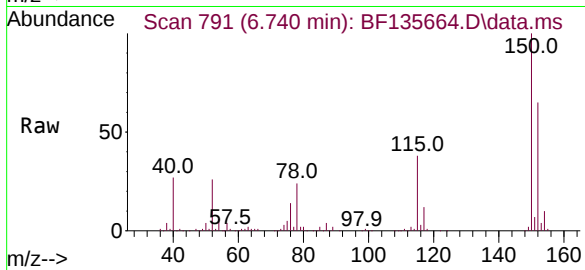




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.740 min Scan# 795  
 Delta R.T. 0.001 min  
 Lab File: BF135664.D  
 Acq: 09 Oct 2023 22:12

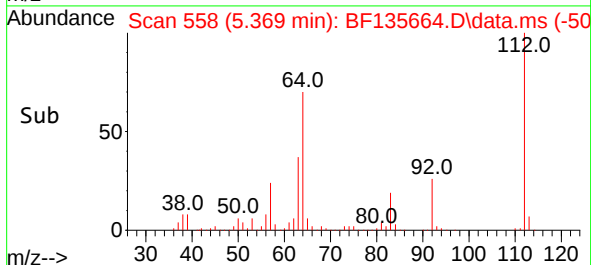
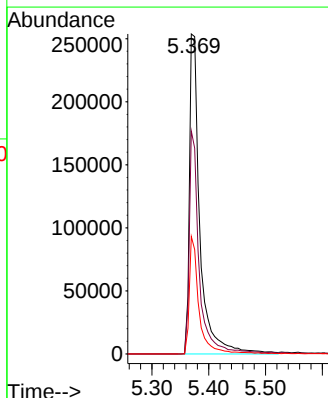
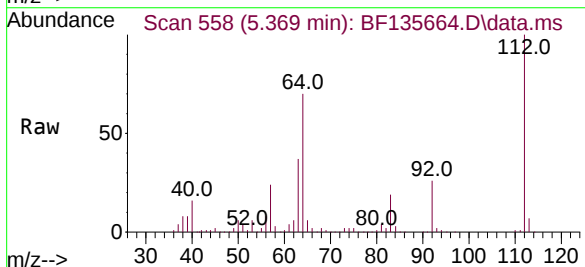
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-103I

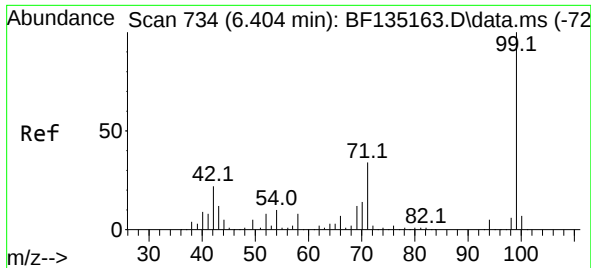
Tgt Ion:152 Resp: 103863  
 Ion Ratio Lower Upper  
 152 100  
 150 155.0 127.8 191.6  
 115 58.7 49.8 74.8



#5  
 2-Fluorophenol  
 Concen: 51.469 ng  
 RT: 5.369 min Scan# 558  
 Delta R.T. 0.000 min  
 Lab File: BF135664.D  
 Acq: 09 Oct 2023 22:12

Tgt Ion:112 Resp: 328673  
 Ion Ratio Lower Upper  
 112 100  
 64 69.7 55.9 83.9  
 63 36.7 29.0 43.6





#7

Phenol-d6

Concen: 30.125 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

Instrument :

BNA\_F

ClientSampleId :

MW-103I

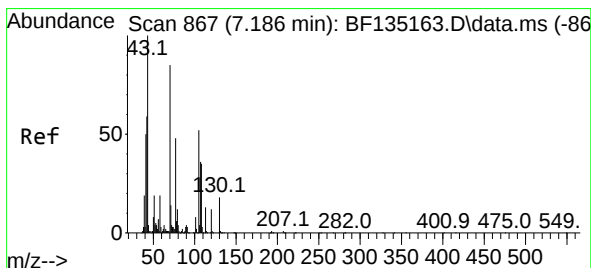
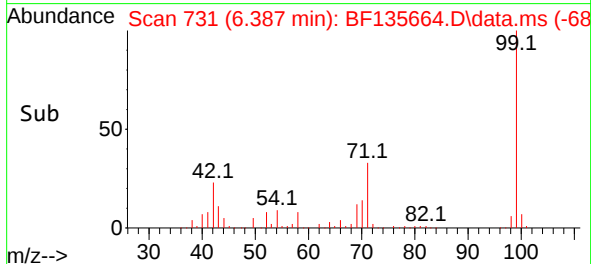
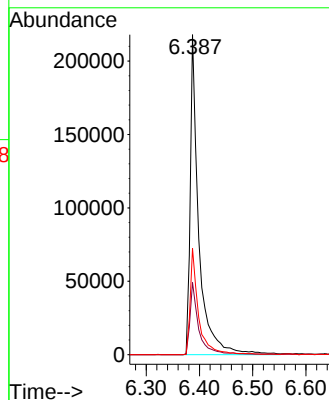
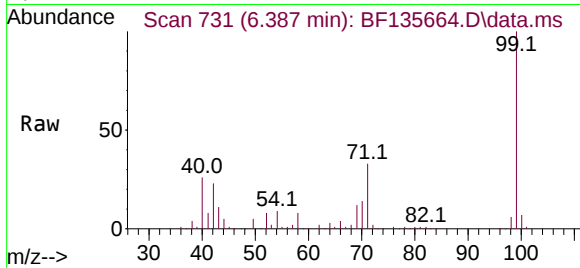
Tgt Ion: 99 Resp: 244615

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

71 33.3 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.543 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

Tgt Ion: 70 Resp: 83206

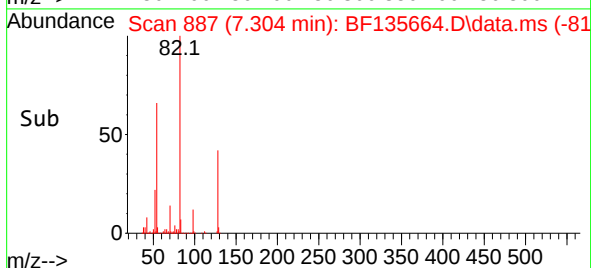
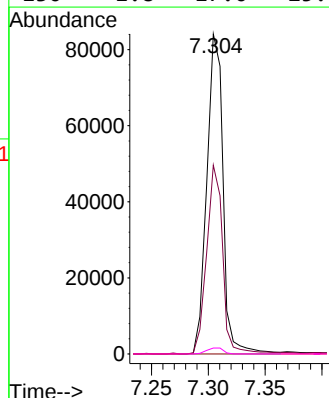
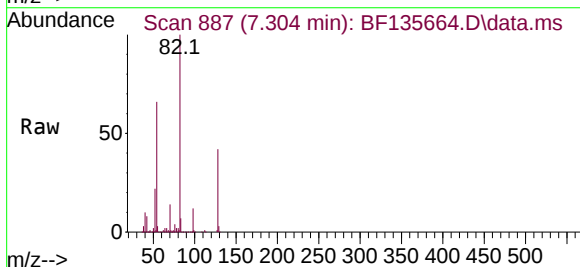
Ion Ratio Lower Upper

70 100

42 59.0 55.4 83.0

101 0.0 7.7 11.5#

130 1.8 17.0 25.6#

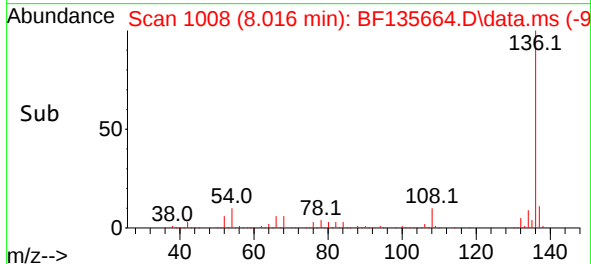
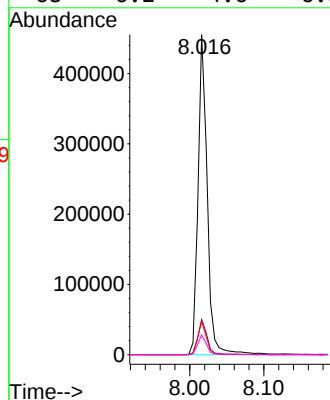
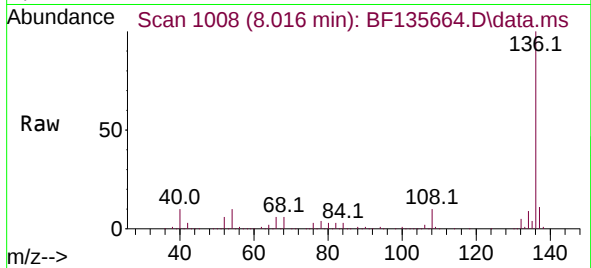




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

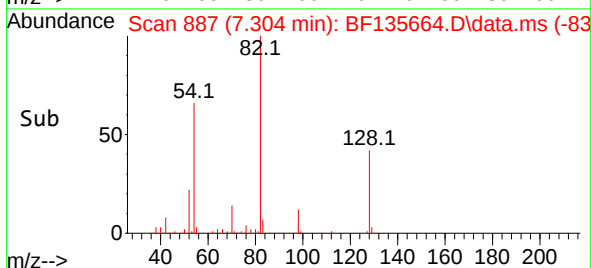
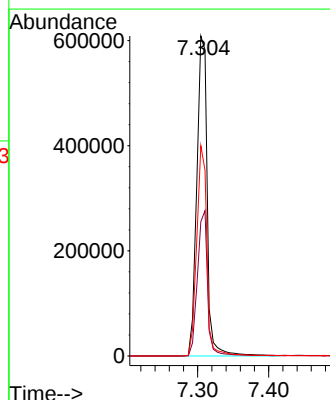
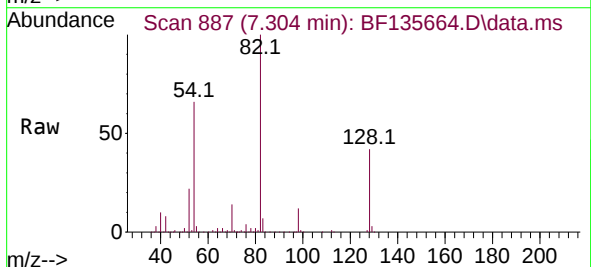
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103I

Tgt Ion:136 Resp: 390720  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 10.3 7.7 11.5  
68 6.2 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 86.749 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

Tgt Ion: 82 Resp: 623872  
Ion Ratio Lower Upper  
82 100  
128 42.0 35.8 53.6  
54 65.7 50.6 76.0

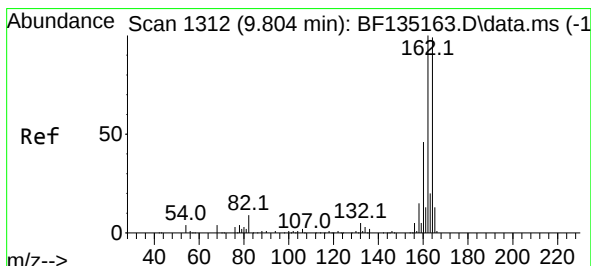
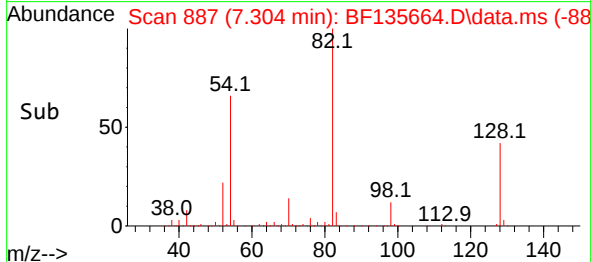
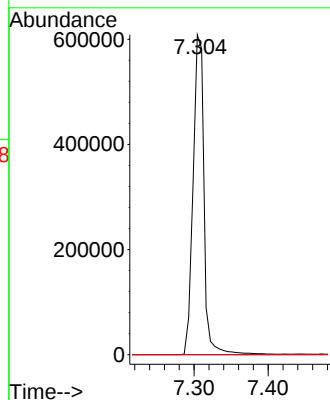
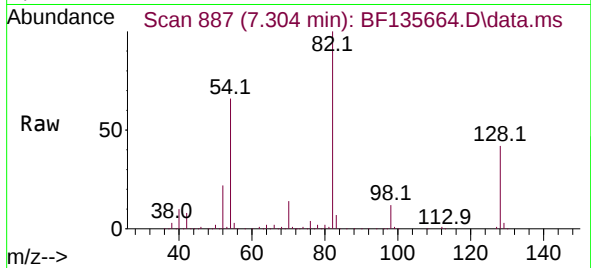




#25  
Isophorone  
Concen: 47.242 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

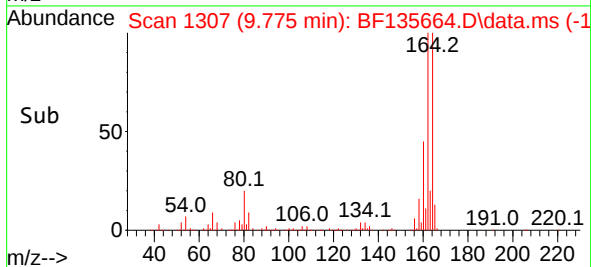
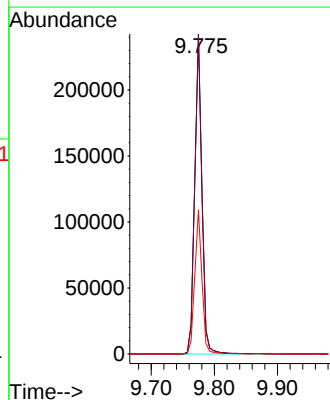
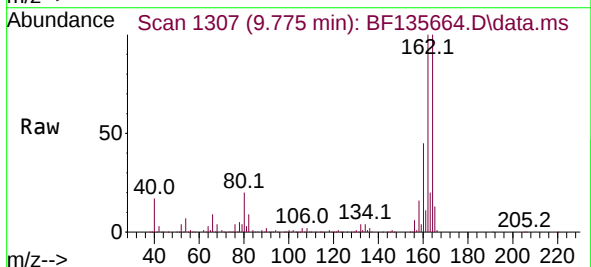
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103I

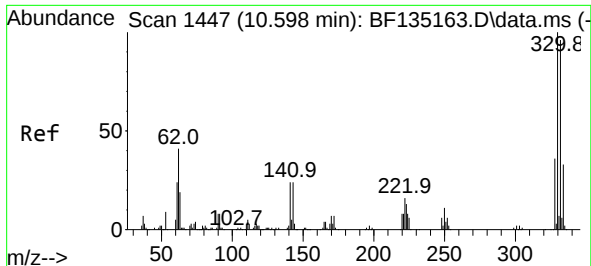
Tgt Ion: 82 Resp: 623865  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

Tgt Ion:164 Resp: 190533  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.0 121.4  
160 45.1 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 115.380 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

Instrument :

BNA\_F

ClientSampleId :

MW-103I

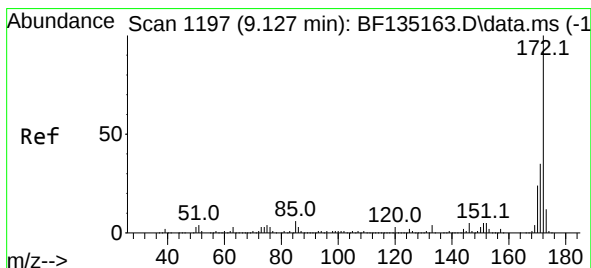
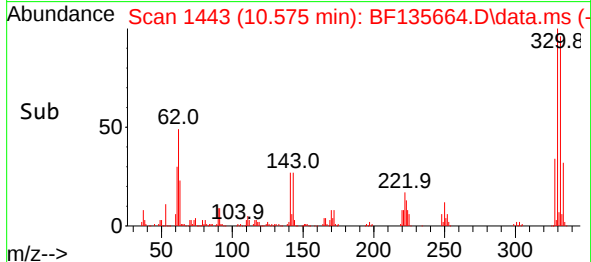
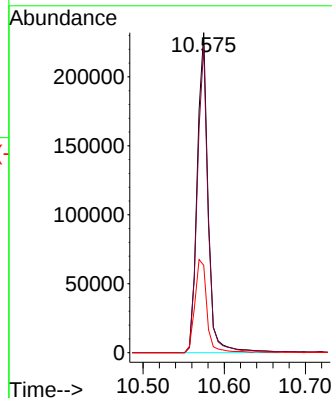
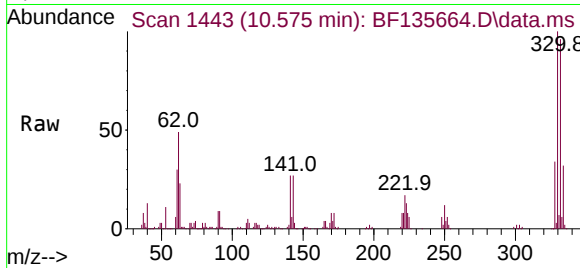
Tgt Ion:330 Resp: 218464

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

141 31.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 84.598 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

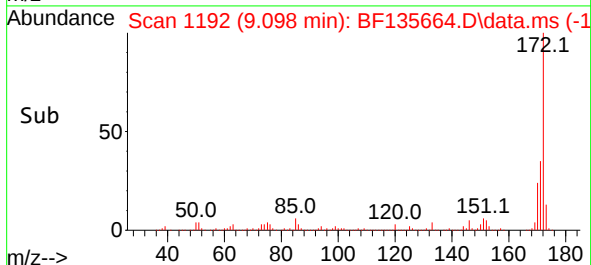
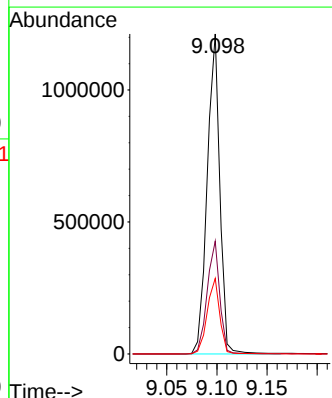
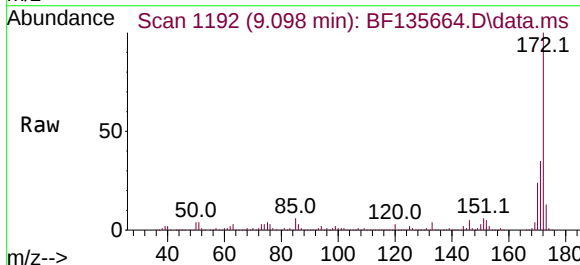
Tgt Ion:172 Resp: 1068375

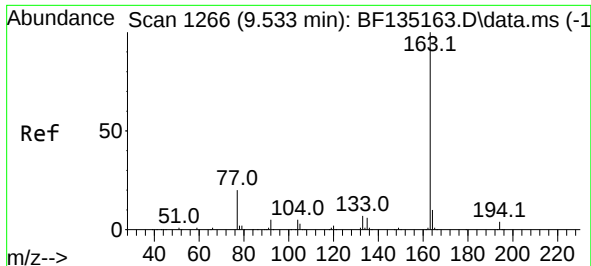
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.6 19.0 28.4

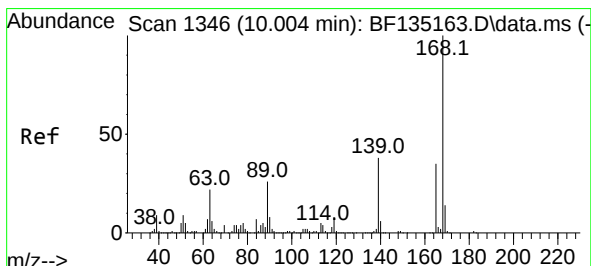
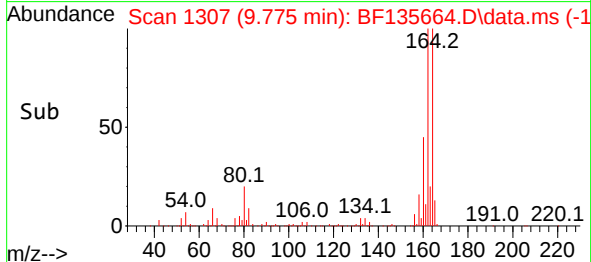
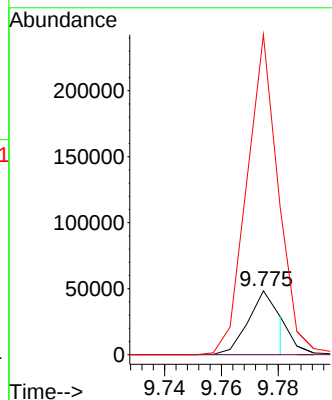
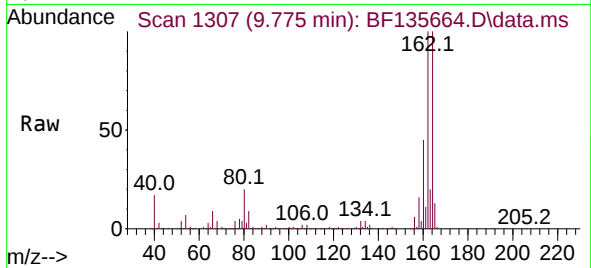




#50  
Dimethylphthalate  
Concen: 2.864 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.271 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

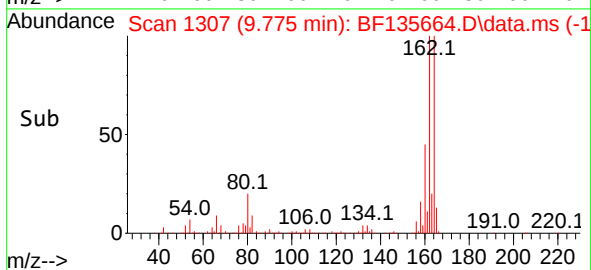
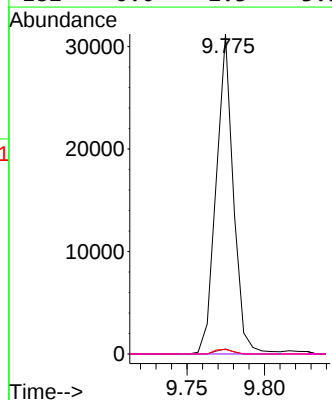
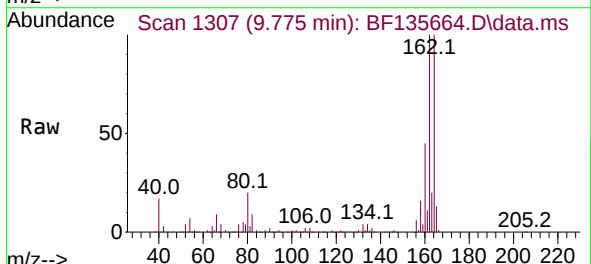
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103I

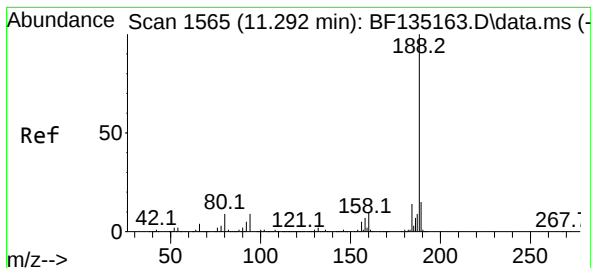
Tgt Ion:163 Resp: 36897  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 501.7 8.1 12.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.823 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.211 min  
Lab File: BF135664.D  
Acq: 09 Oct 2023 22:12

Tgt Ion:165 Resp: 24104  
Ion Ratio Lower Upper  
165 100  
63 1.6 50.1 75.1#  
89 1.4 59.3 88.9#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

Instrument :

BNA\_F

ClientSampleId :

MW-103I

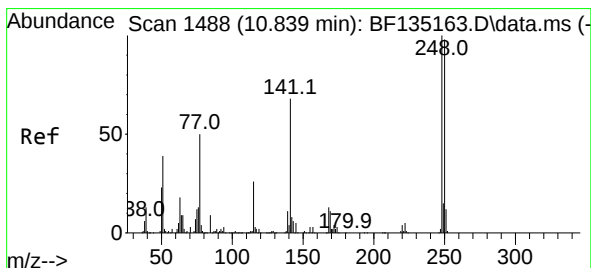
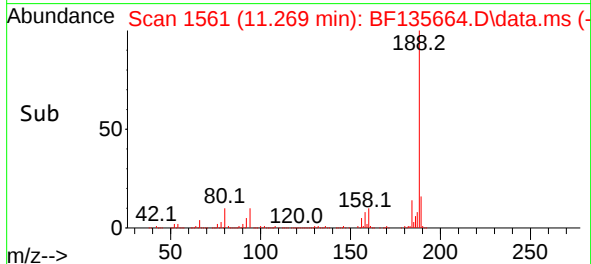
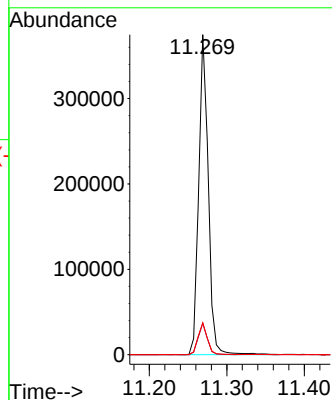
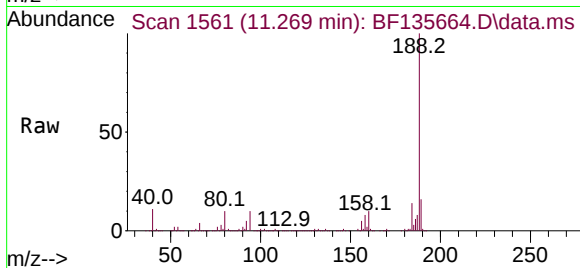
Tgt Ion:188 Resp: 320535

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

80 9.9 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.117 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.235 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

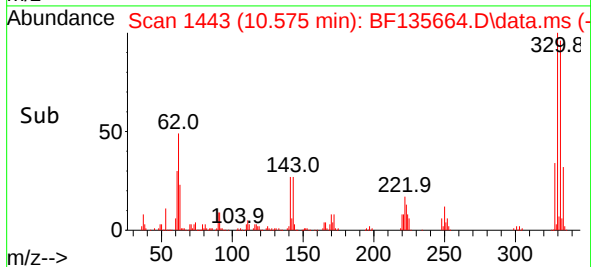
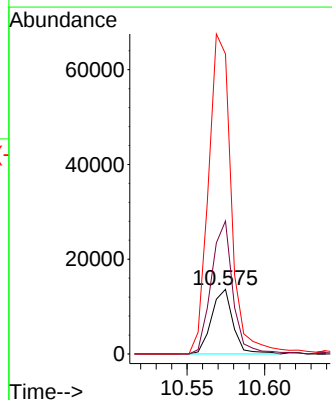
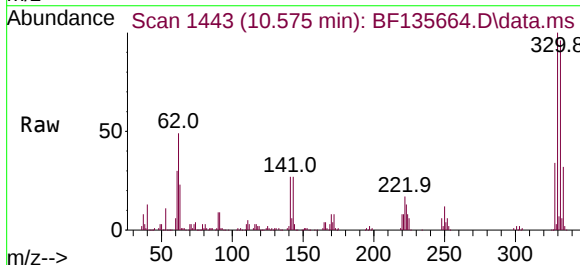
Tgt Ion:248 Resp: 13126

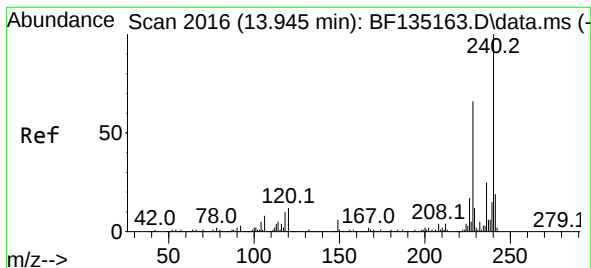
Ion Ratio Lower Upper

248 100

250 205.9 78.6 117.8#

141 464.5 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

Instrument :

BNA\_F

ClientSampleId :

MW-103I

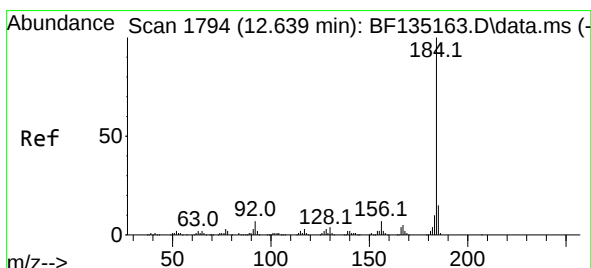
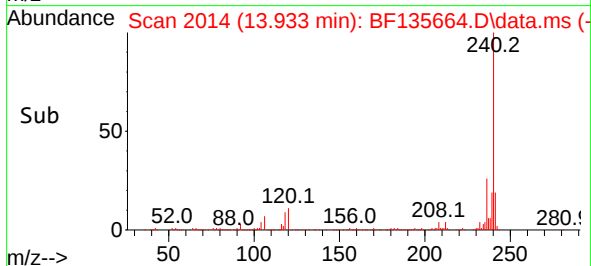
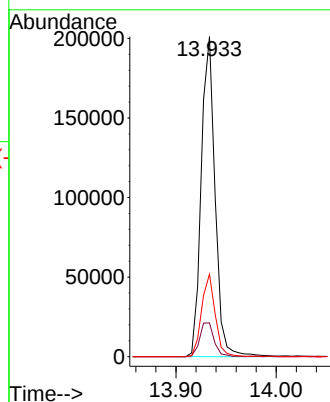
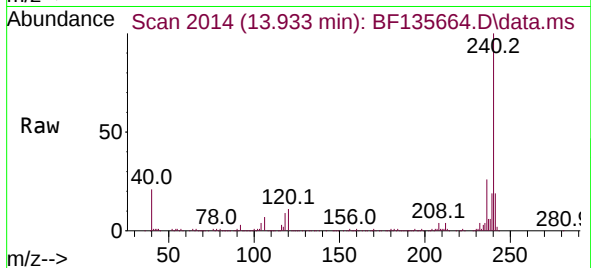
Tgt Ion:240 Resp: 193880

Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.8 19.8 29.8



#77

Benzdine

Concen: 2.604 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.253 min

Lab File: BF135664.D

Acq: 09 Oct 2023 22:12

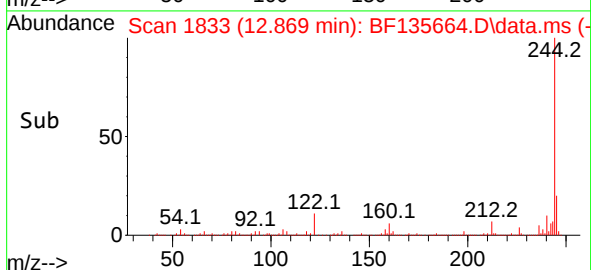
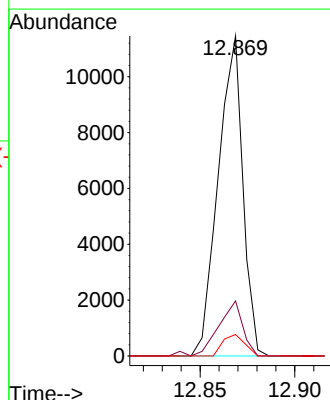
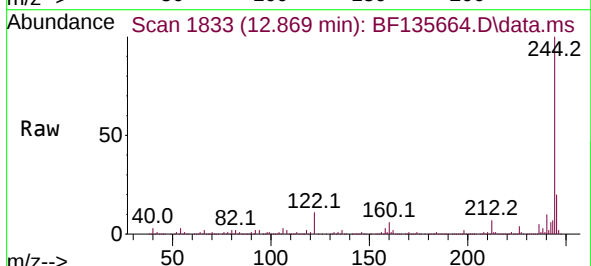
Tgt Ion:184 Resp: 10344

Ion Ratio Lower Upper

184 100

185 17.2 11.7 17.5

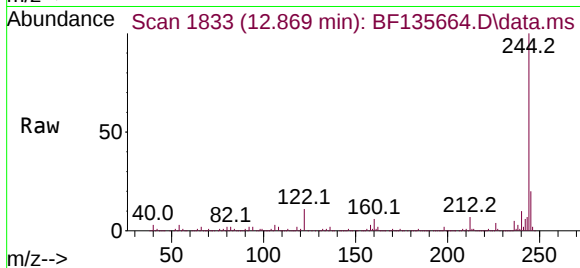
183 6.7 8.2 12.4#



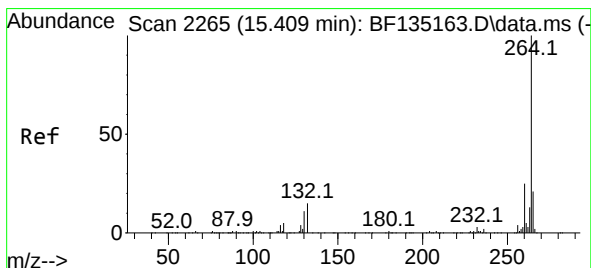
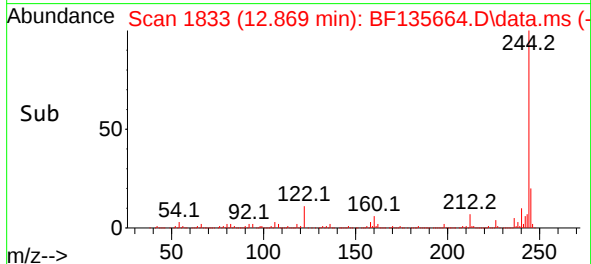
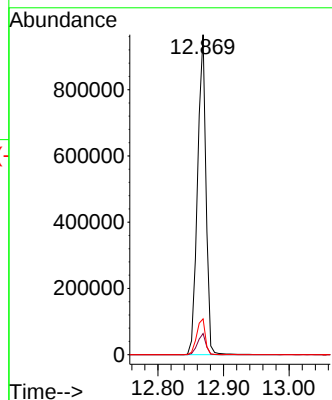


#79  
 Terphenyl-d14  
 Concen: 69.047 ng  
 RT: 12.869 min Scan# 1833  
 Delta R.T. 0.006 min  
 Lab File: BF135664.D  
 Acq: 09 Oct 2023 22:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-103I



Tgt Ion:244 Resp: 863559  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.1 7.7  
 122 11.2 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.398 min Scan# 2263  
 Delta R.T. 0.012 min  
 Lab File: BF135664.D  
 Acq: 09 Oct 2023 22:12

Tgt Ion:264 Resp: 206482  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.8 29.6  
 265 21.2 17.0 25.4

