

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060923\  
 Data File : BF133691.D  
 Acq On : 10 Jun 2023 00:22  
 Operator : CG\JU  
 Sample : PB153327BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153327BL

Quant Time: Jun 10 02:36:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 09 15:37:41 2023  
 Response via : Initial Calibration

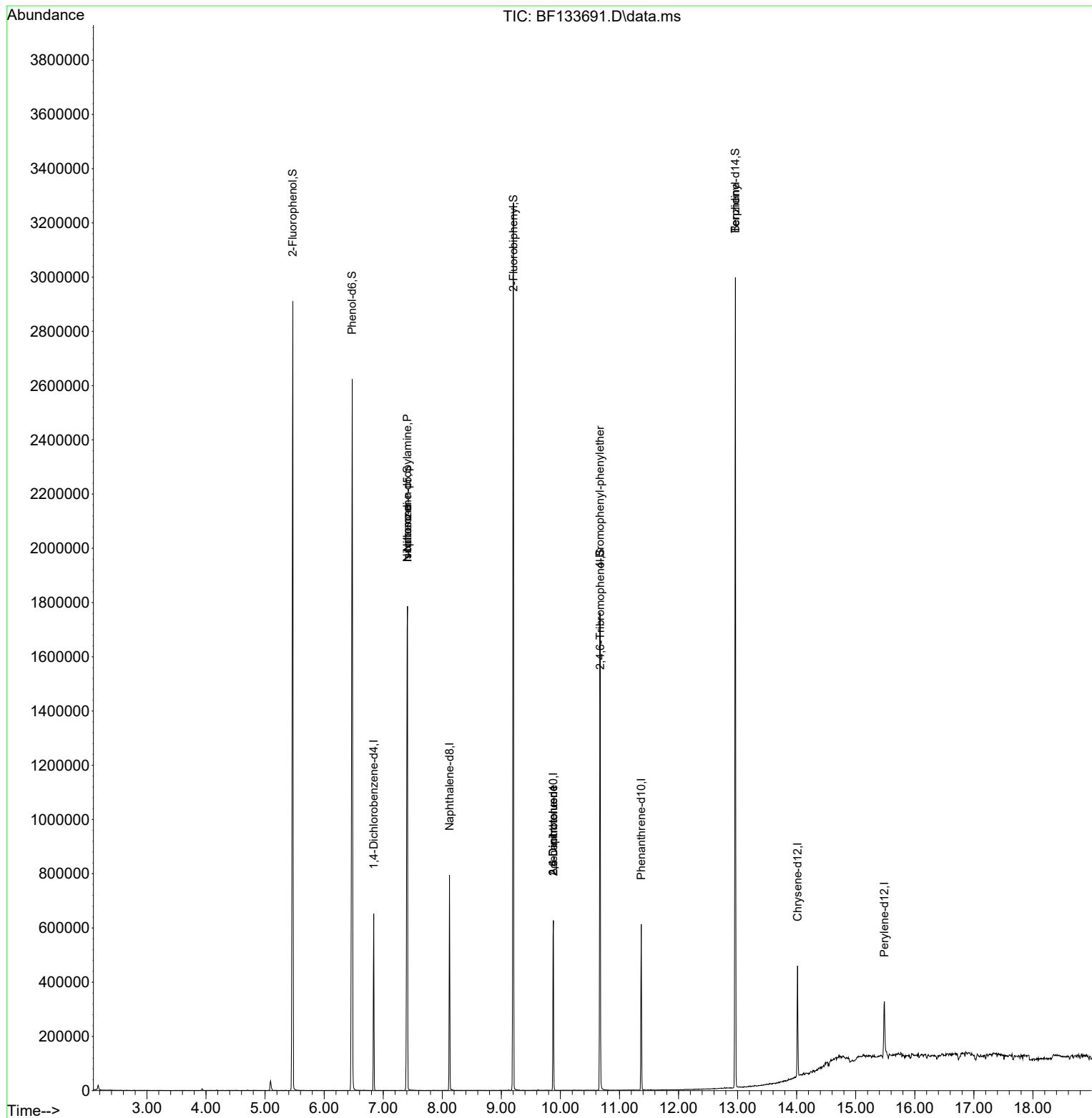
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|---------|-------|-----------|
| -----                         |        |      |          |         |       |           |
| Internal Standards            |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 81438    | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8            | 8.122  | 136  | 287658   | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10          | 9.881  | 164  | 121672   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10          | 11.369 | 188  | 209358   | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12              | 14.016 | 240  | 126891   | 20.000  | ng    | 0.00      |
| 86) Perylene-d12              | 15.486 | 264  | 102814   | 20.000  | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |         |       |           |
| 5) 2-Fluorophenol             | 5.469  | 112  | 795802   | 170.119 | ng    | 0.02      |
| 7) Phenol-d6                  | 6.475  | 99   | 940685   | 154.487 | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 615973   | 116.632 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 209469   | 136.006 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1029559  | 120.285 | ng    | 0.00      |
| 79) Terphenyl-d14             | 12.963 | 244  | 988252   | 120.510 | ng    | 0.00      |
| Target Compounds              |        |      |          |         |       |           |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 86798    | 22.404  | ng    | Qvalue 76 |
| 25) Isophorone                | 7.410  | 82   | 614320   | 63.358  | ng    | # 65      |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 15159    | 8.087   | ng    | # 28      |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 15159    | 6.358   | ng    | # 19      |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 12572    | 5.380   | ng    | # 1       |
| 77) Benzidine                 | 12.963 | 184  | 14246    | 3.346   | ng    | # 96      |
| -----                         |        |      |          |         |       |           |

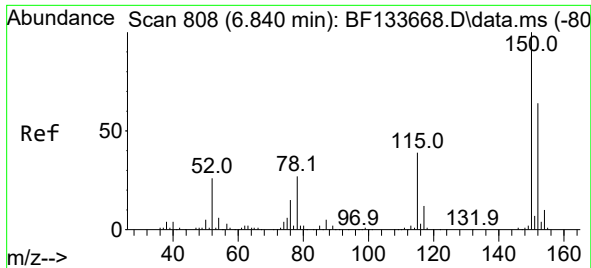
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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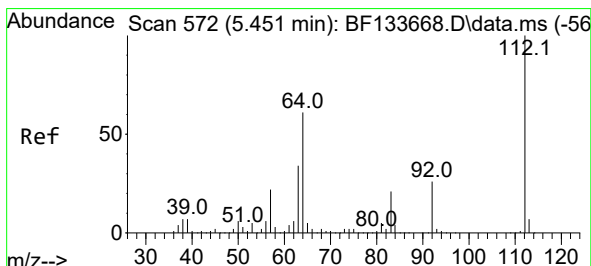
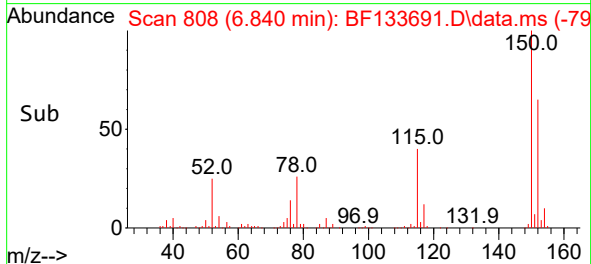
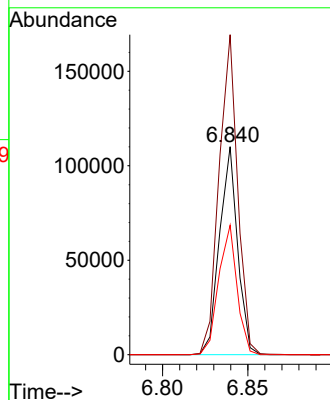
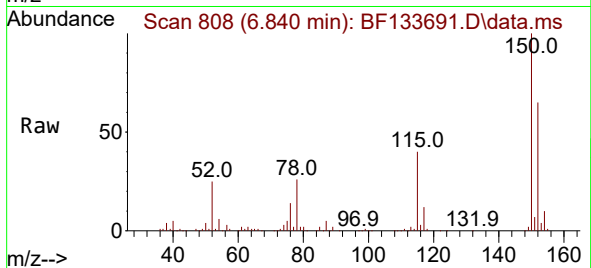




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

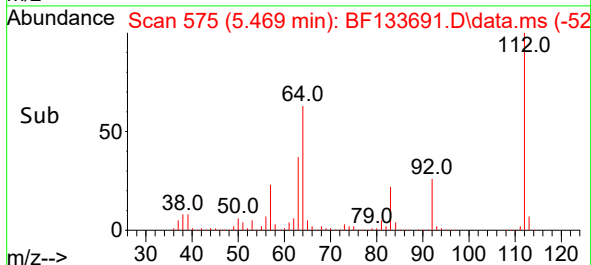
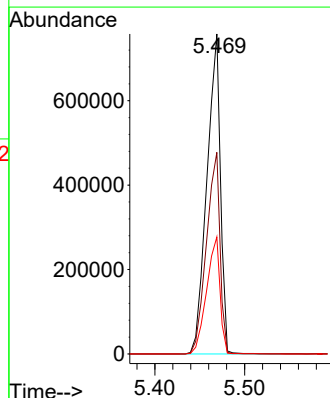
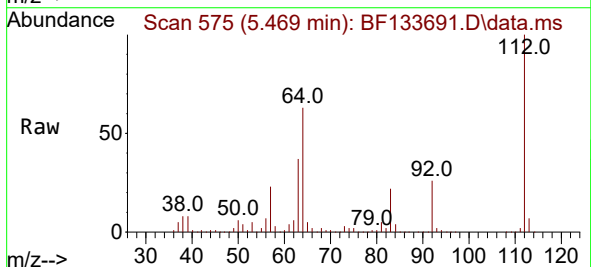
Instrument :  
BNA\_F  
ClientSampleId :  
PB153327BL

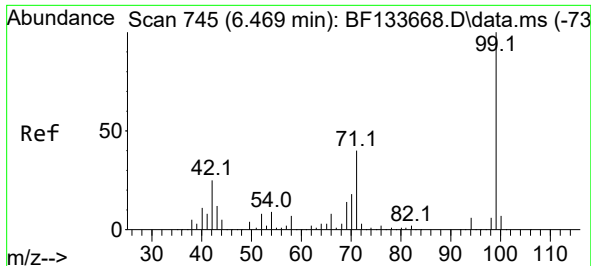
Tgt Ion:152 Resp: 81438  
Ion Ratio Lower Upper  
152 100  
150 153.8 124.3 186.5  
115 62.2 48.5 72.7



#5  
2-Fluorophenol  
Concen: 170.119 ng  
RT: 5.469 min Scan# 575  
Delta R.T. 0.018 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

Tgt Ion:112 Resp: 795802  
Ion Ratio Lower Upper  
112 100  
64 63.0 49.0 73.4  
63 36.5 26.8 40.2

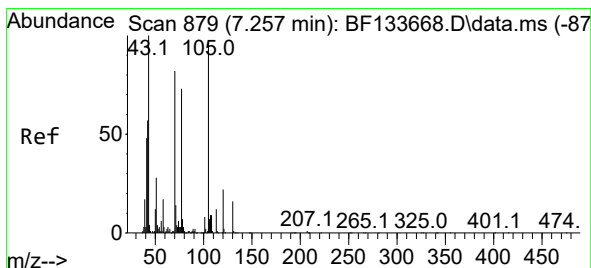
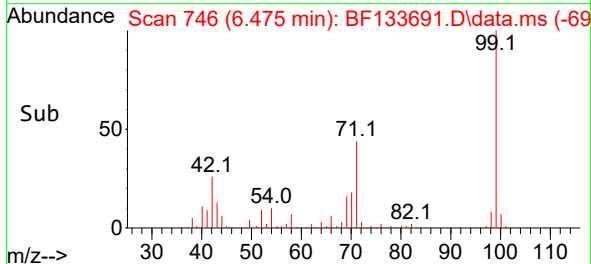
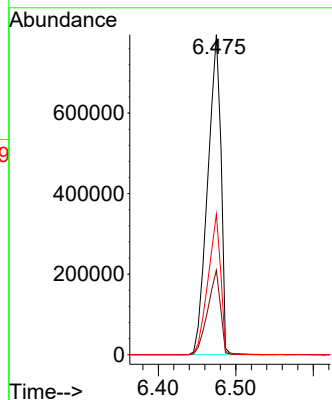
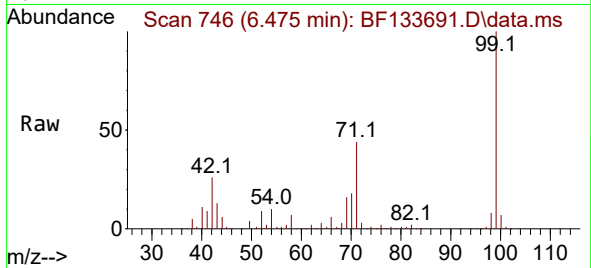




#7  
Phenol-d6  
Concen: 154.487 ng  
RT: 6.475 min Scan# 74  
Delta R.T. 0.006 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

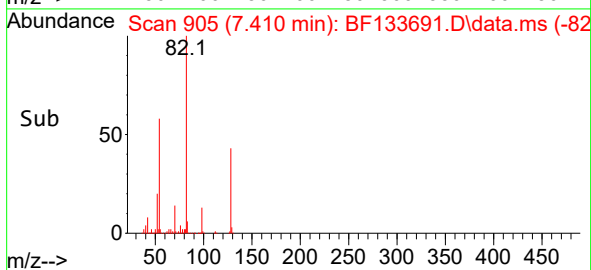
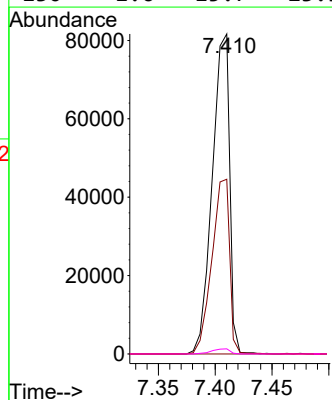
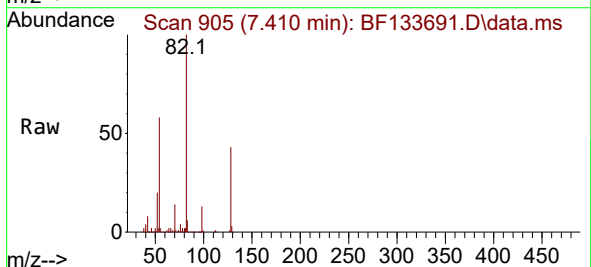
Instrument :  
BNA\_F  
ClientSampleId :  
PB153327BL

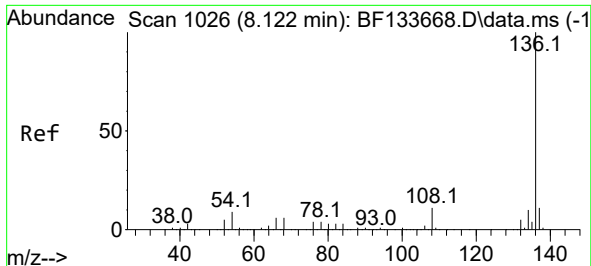
Tgt Ion: 99 Resp: 940685  
Ion Ratio Lower Upper  
99 100  
42 26.4 19.9 29.9  
71 43.9 32.2 48.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 22.404 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.153 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

Tgt Ion: 70 Resp: 86798  
Ion Ratio Lower Upper  
70 100  
42 54.6 55.8 83.8#  
101 0.0 8.1 12.1#  
130 1.6 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

Instrument :

BNA\_F

ClientSampleId :

PB153327BL

Tgt Ion:136 Resp: 287658

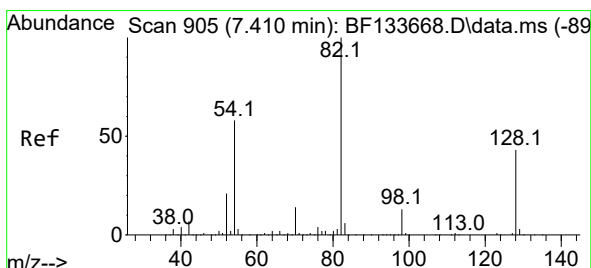
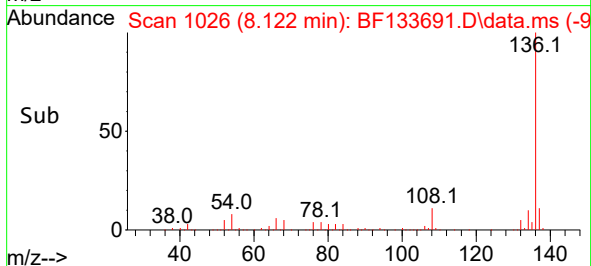
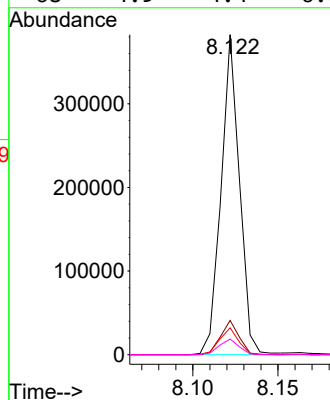
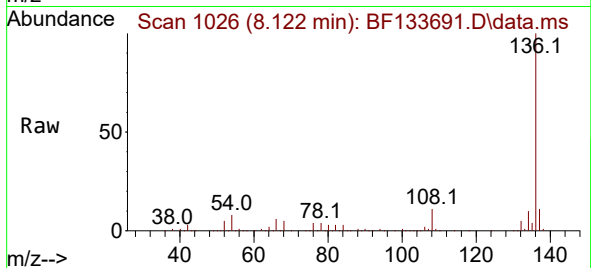
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.4 7.4 11.0

68 4.9 4.4 6.6



#23

Nitrobenzene-d5

Concen: 116.632 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

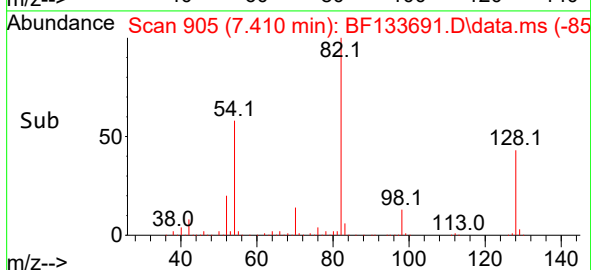
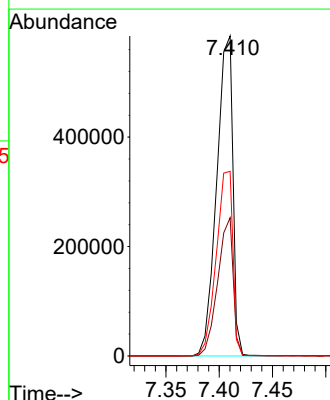
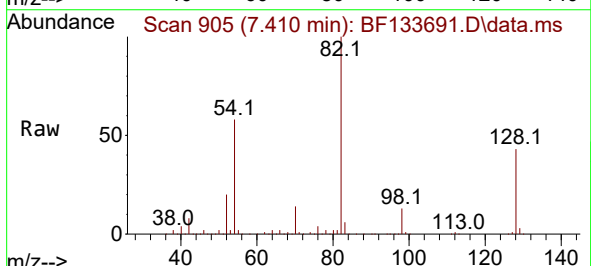
Tgt Ion: 82 Resp: 615973

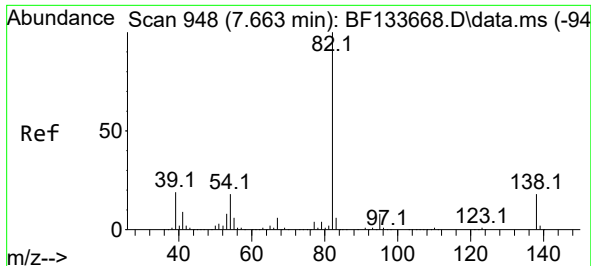
Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.2

54 57.7 46.5 69.7

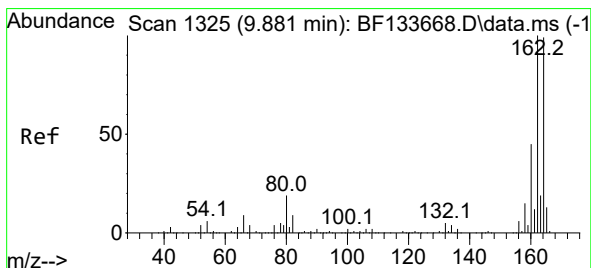
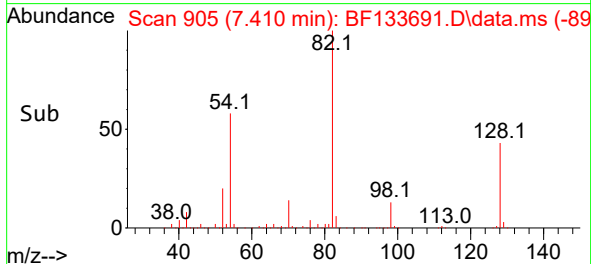
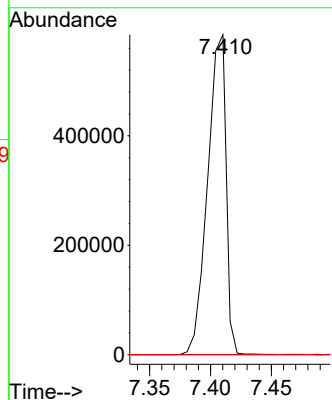
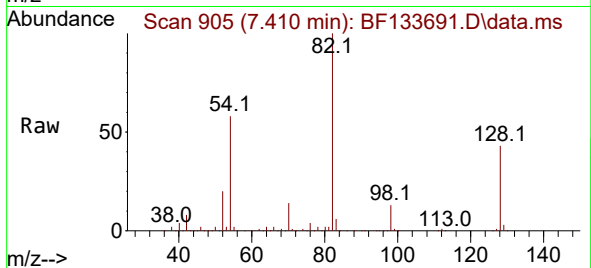




#25  
Isophorone  
Concen: 63.358 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.253 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

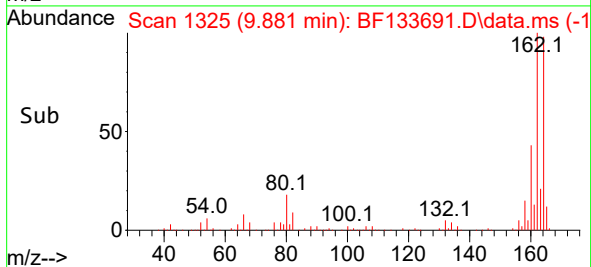
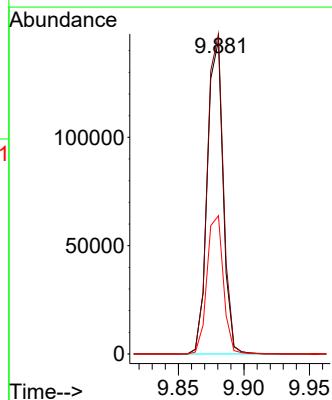
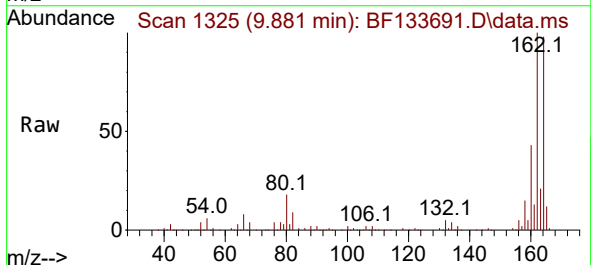
Instrument :  
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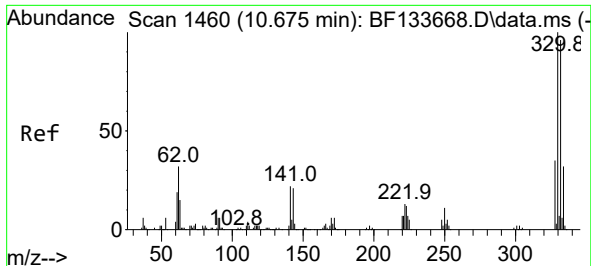
Tgt Ion: 82 Resp: 614320  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

Tgt Ion:164 Resp: 121672  
Ion Ratio Lower Upper  
164 100  
162 102.1 80.8 121.2  
160 44.1 36.7 55.1

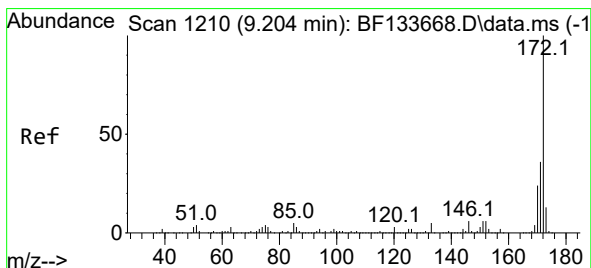
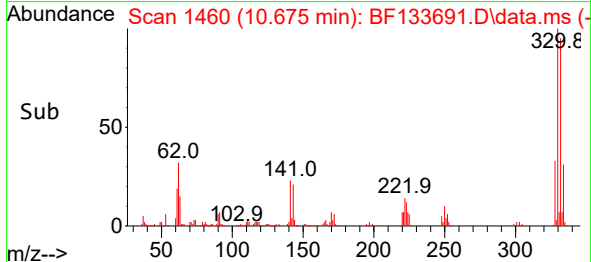
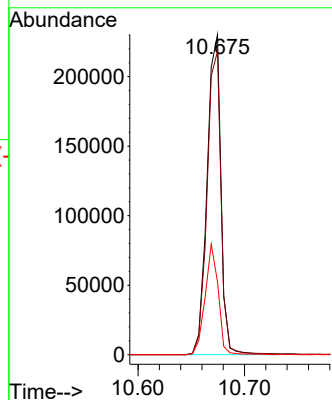
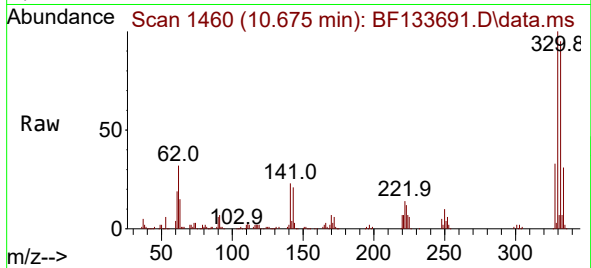




#42  
2,4,6-Tribromophenol  
Concen: 136.006 ng  
RT: 10.675 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

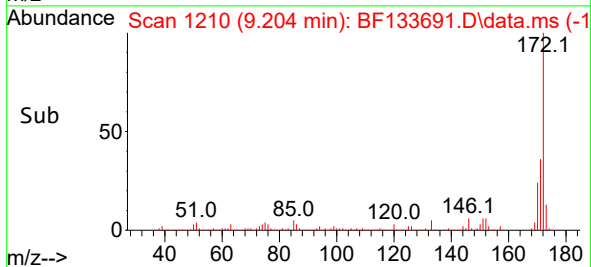
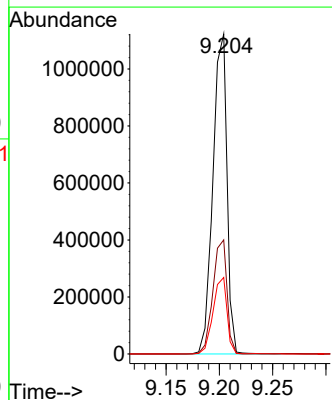
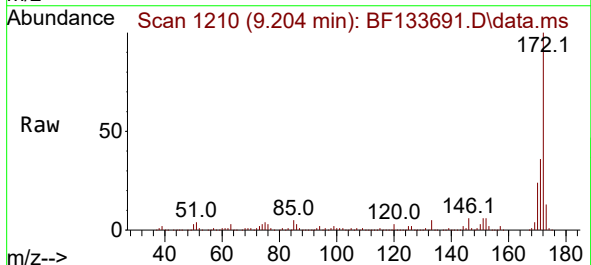
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ClientSampleId :  
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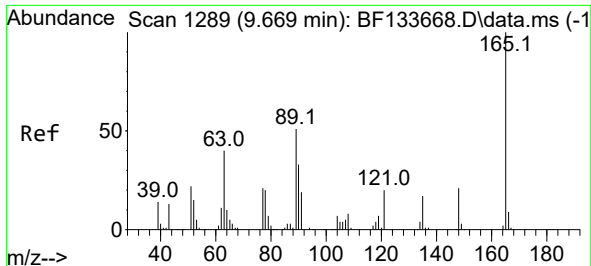
Tgt Ion:330 Resp: 209469  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.2 115.8  
141 32.6 24.9 37.3



#45  
2-Fluorobiphenyl  
Concen: 120.285 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.000 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

Tgt Ion:172 Resp: 1029559  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 23.9 19.1 28.7

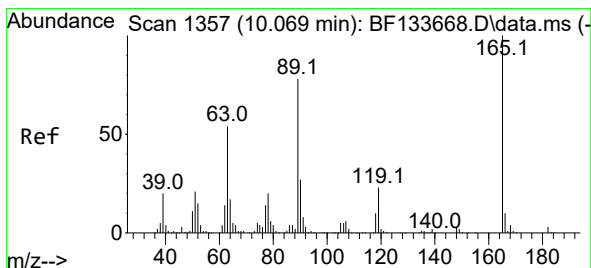
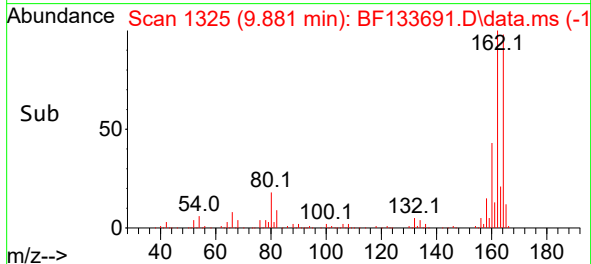
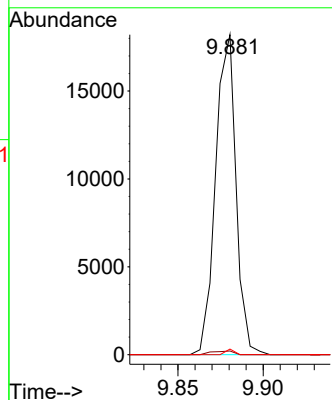
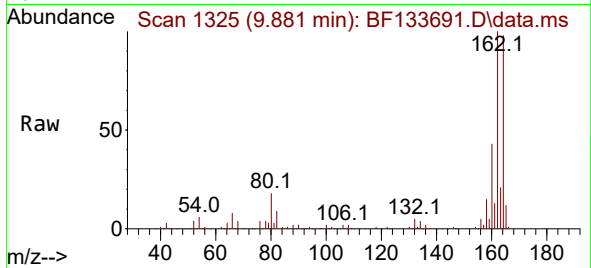




#51  
2,6-Dinitrotoluene  
Concen: 8.087 ng  
RT: 9.881 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

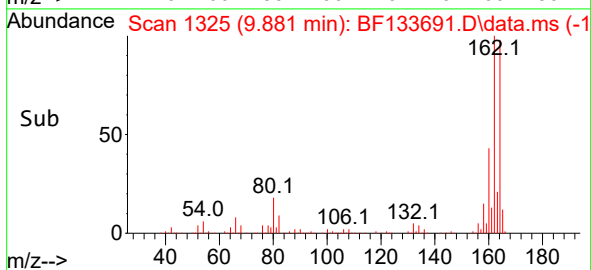
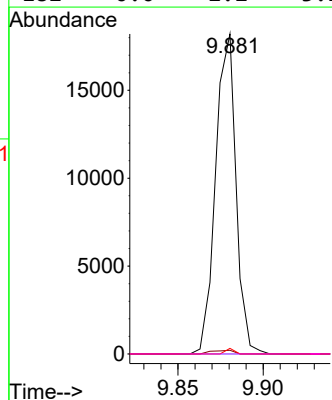
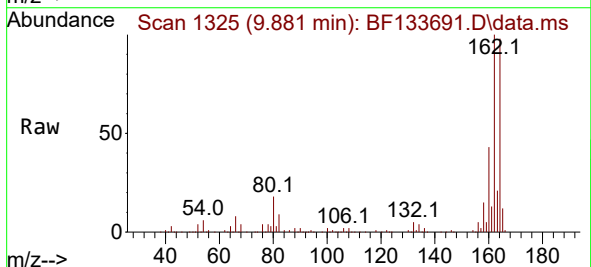
Instrument :  
BNA\_F  
ClientSampleId :  
PB153327BL

Tgt Ion:165 Resp: 15159  
Ion Ratio Lower Upper  
165 100  
63 1.2 42.1 63.1#  
89 1.7 40.9 61.3#

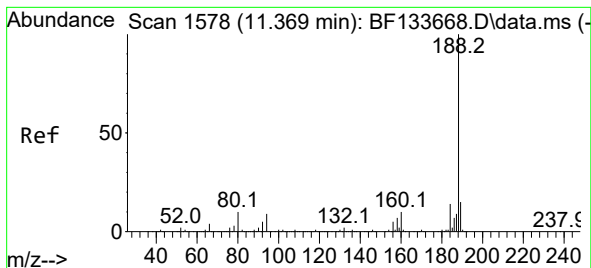


#57  
2,4-Dinitrotoluene  
Concen: 6.358 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. -0.188 min  
Lab File: BF133691.D  
Acq: 10 Jun 2023 00:22

Tgt Ion:165 Resp: 15159  
Ion Ratio Lower Upper  
165 100  
63 1.2 43.0 64.6#  
89 1.7 62.6 93.8#  
182 0.0 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

Instrument :

BNA\_F

ClientSampleId :

PB153327BL

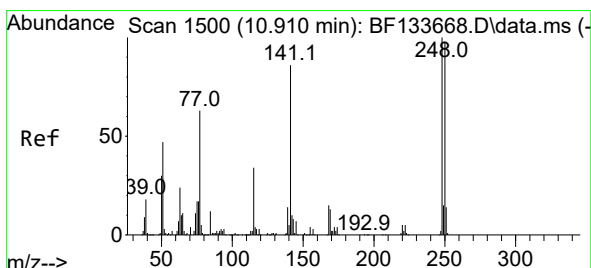
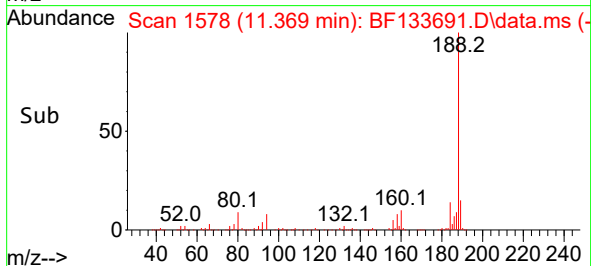
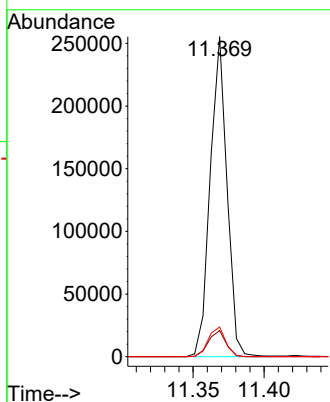
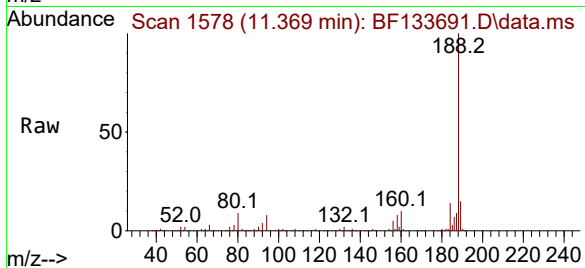
Tgt Ion:188 Resp: 209358

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 9.2 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 5.380 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.241 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

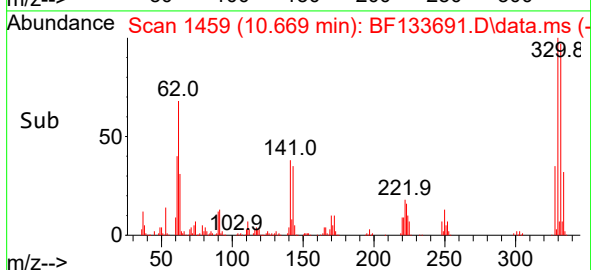
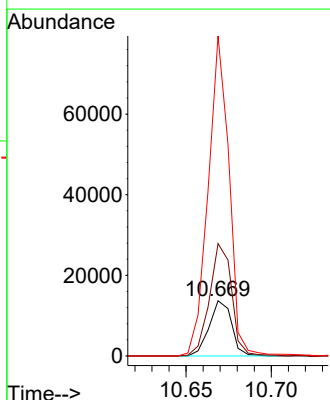
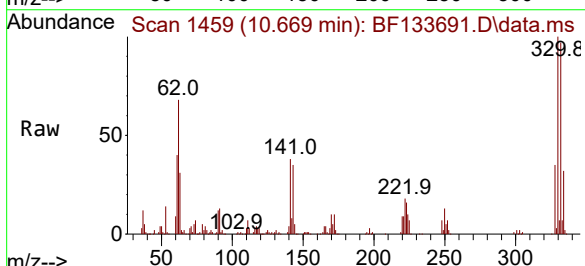
Tgt Ion:248 Resp: 12572

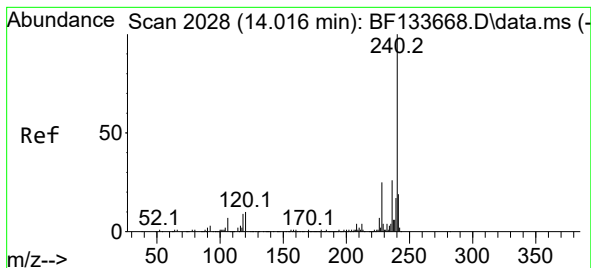
Ion Ratio Lower Upper

248 100

250 203.7 78.3 117.5#

141 579.8 69.0 103.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

Instrument :

BNA\_F

ClientSampleId :

PB153327BL

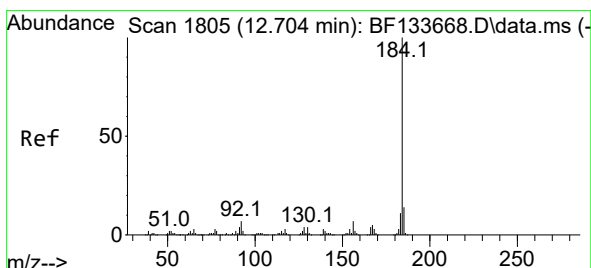
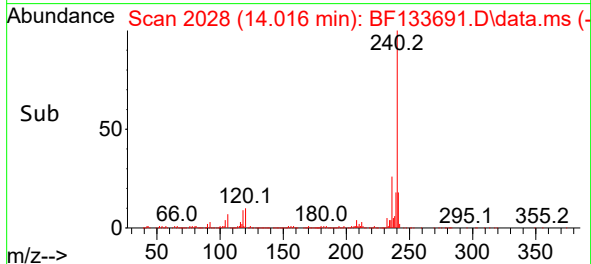
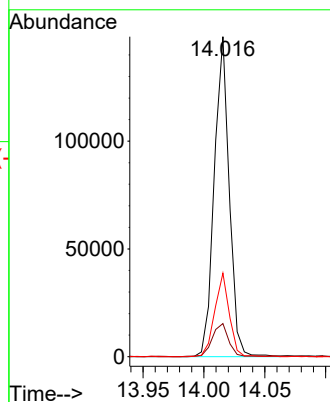
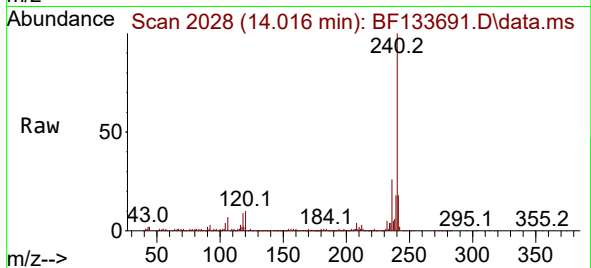
Tgt Ion:240 Resp: 126891

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

236 26.1 20.5 30.7



#77

Benzidine

Concen: 3.346 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.259 min

Lab File: BF133691.D

Acq: 10 Jun 2023 00:22

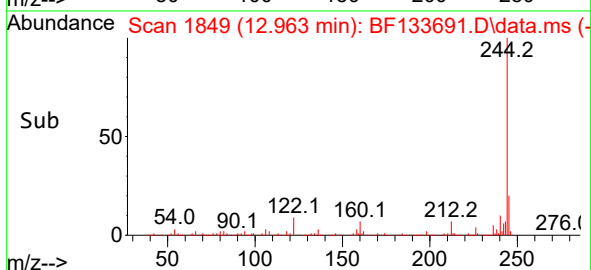
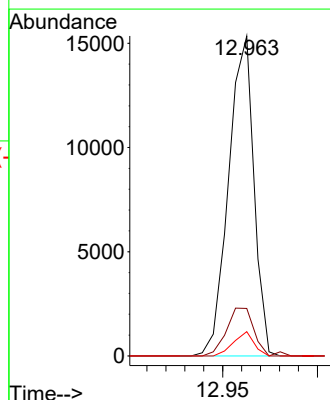
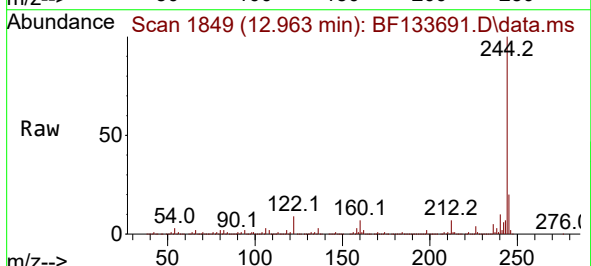
Tgt Ion:184 Resp: 14246

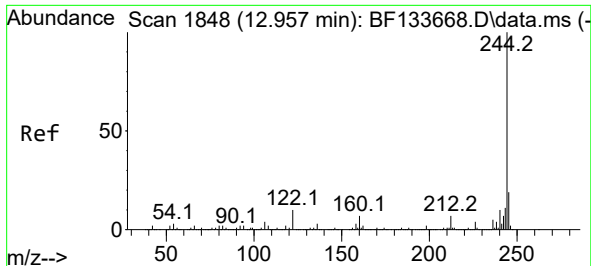
Ion Ratio Lower Upper

184 100

185 14.9 11.6 17.4

183 7.6 8.4 12.6#

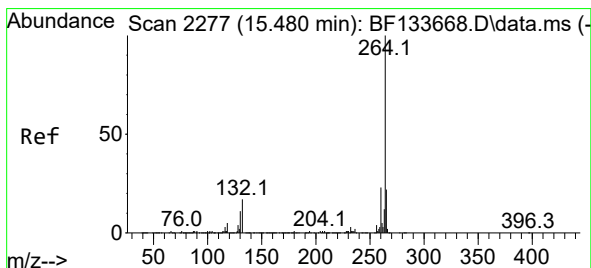
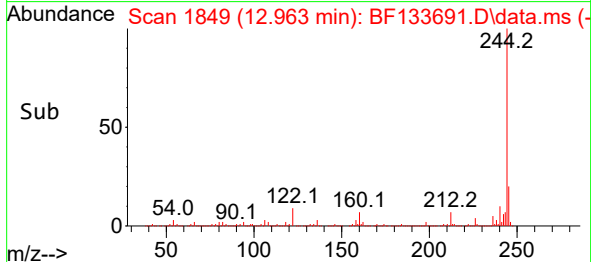
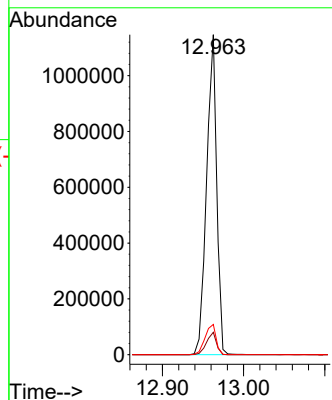
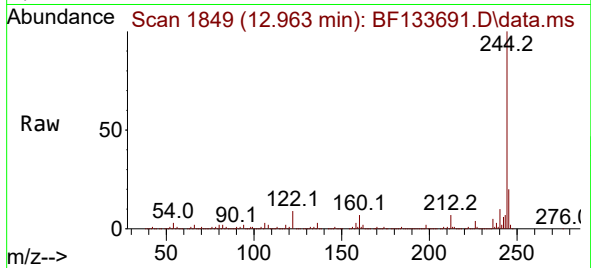




#79  
 Terphenyl-d14  
 Concen: 120.510 ng  
 RT: 12.963 min Scan# 1849  
 Delta R.T. 0.006 min  
 Lab File: BF133691.D  
 Acq: 10 Jun 2023 00:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153327BL

Tgt Ion:244 Resp: 988252  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 9.5 8.1 12.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.486 min Scan# 2278  
 Delta R.T. 0.006 min  
 Lab File: BF133691.D  
 Acq: 10 Jun 2023 00:22

Tgt Ion:264 Resp: 102814  
 Ion Ratio Lower Upper  
 264 100  
 260 22.2 18.2 27.2  
 265 20.0 17.8 26.6

