

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102622\  
 Data File : BF130783.D  
 Acq On : 26 Oct 2022 14:55  
 Operator : CG\JU  
 Sample : N5222-01DL3 20X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12DL3

Quant Time: Oct 27 09:02:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 27 08:55:38 2022  
 Response via : Initial Calibration

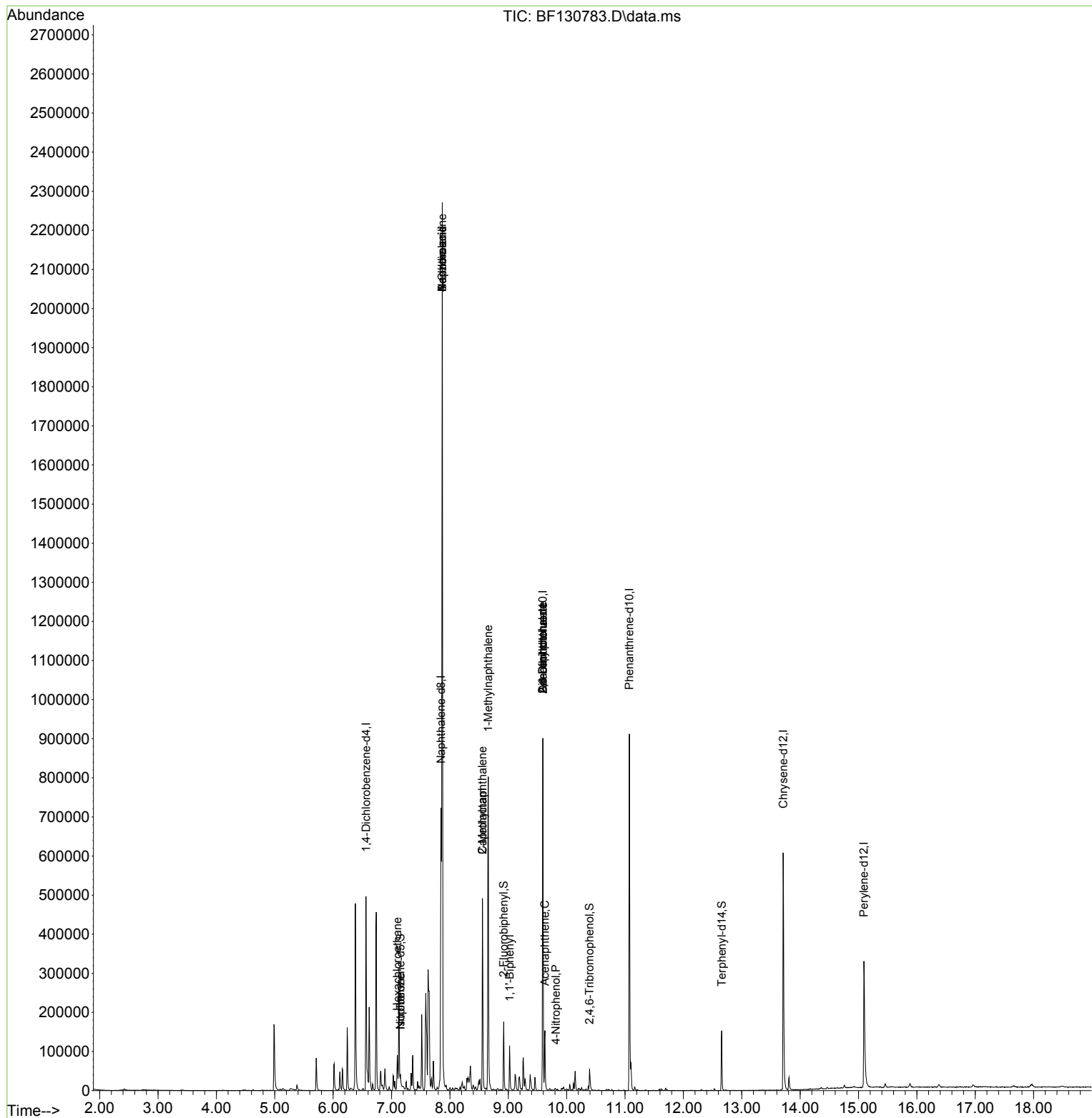
| Compound                    | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|--------|----------|
| -----                       |        |      |          |           |        |          |
| Internal Standards          |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.563  | 152  | 77097    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8          | 7.845  | 136  | 309363   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10        | 9.592  | 164  | 171960   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10        | 11.075 | 188  | 310555   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12            | 13.710 | 240  | 222702   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12            | 15.092 | 264  | 162872   | 20.000    | ng     | 0.00     |
|                             |        |      |          |           |        |          |
| System Monitoring Compounds |        |      |          |           |        |          |
| 5) 2-Fluorophenol           | 5.263  | 112  | 2722     | 0.609     | ng     | 0.09     |
| 7) Phenol-d6                | 6.298  | 99   | 9304     | 1.720     | ng     | 0.07     |
| 23) Nitrobenzene-d5         | 7.151  | 82   | 23041    | 3.951     | ng     | 0.01     |
| 42) 2,4,6-Tribromophenol    | 10.392 | 330  | 9444     | 5.775     | ng     | 0.00     |
| 45) 2-Fluorobiphenyl        | 8.922  | 172  | 52613    | 4.663     | ng     | 0.00     |
| 79) Terphenyl-d14           | 12.657 | 244  | 57358    | 4.340     | ng     | 0.00     |
|                             |        |      |          |           |        |          |
| Target Compounds            |        |      |          |           | Qvalue |          |
| 18) Hexachloroethane        | 7.098  | 117  | 8199     | 3.798     | ng     | # 1      |
| 25) Isophorone              | 7.151  | 82   | 23041    | 2.398     | ng     | # 65     |
| 31) Naphthalene             | 7.869  | 128  | 981325   | 61.521    | ng     | 100      |
| 32) Benzoic acid            | 7.869  | 122  | 2666     | 7.010     | ng     | # 1      |
| 33) 4-Chloroaniline         | 7.869  | 127  | 130038   | 21.190    | ng     | # 32     |
| 35) Caprolactam             | 8.557  | 113  | 2985     | 2.152     | ng     | # 1      |
| 37) 2-Methylnaphthalene     | 8.557  | 142  | 122744   | 11.744    | ng     | 100      |
| 38) 1-Methylnaphthalene     | 8.657  | 142  | 226852   | 21.893    | ng     | 100      |
| 46) 1,1'-Biphenyl           | 9.022  | 154  | 35856    | 2.989     | ng     | 100      |
| 50) Dimethylphthalate       | 9.592  | 163  | 32221    | 2.786     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene      | 9.592  | 165  | 22732    | 8.776     | ng     | # 30     |
| 52) Acenaphthene            | 9.628  | 154  | 34821    | 3.812     | ng     | 97       |
| 56) 4-Nitrophenol           | 9.816  | 139  | 869      | 6.271     | ng     | # 7      |
| 57) 2,4-Dinitrotoluene      | 9.592  | 165  | 22732    | 6.515     | ng     | # 28     |
| 77) Benzidine               | 12.657 | 184  | 798      | Below Cal |        | # 66     |
| -----                       |        |      |          |           |        |          |

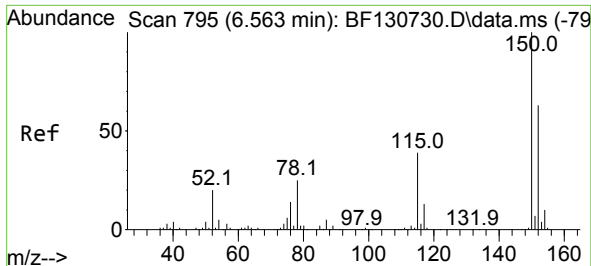
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102622\  
Data File : BF130783.D  
Acq On : 26 Oct 2022 14:55  
Operator : CG\JU  
Sample : N5222-01DL3 20X  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

Quant Time: Oct 27 09:02:46 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 27 08:55:38 2022  
Response via : Initial Calibration

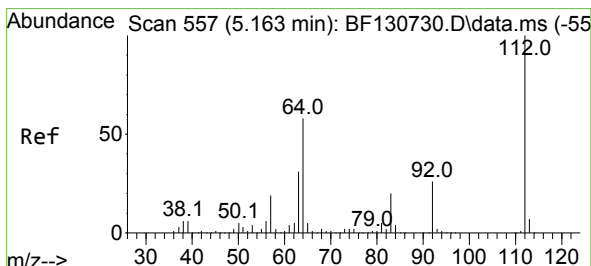
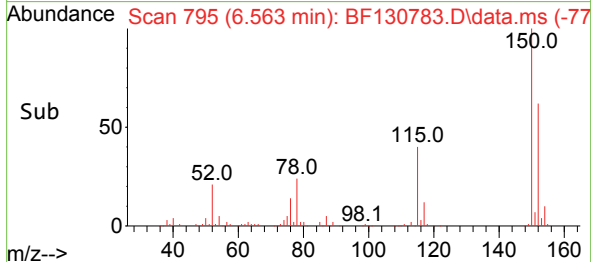
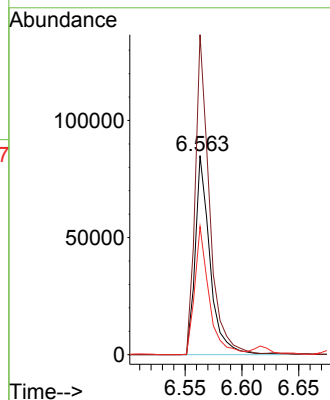
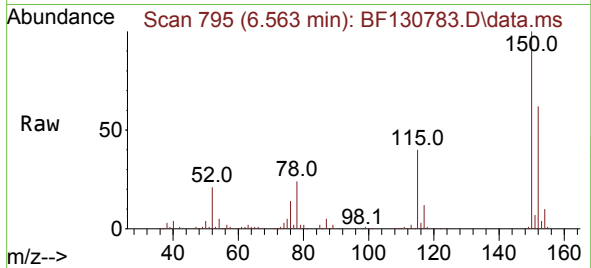




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.563 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

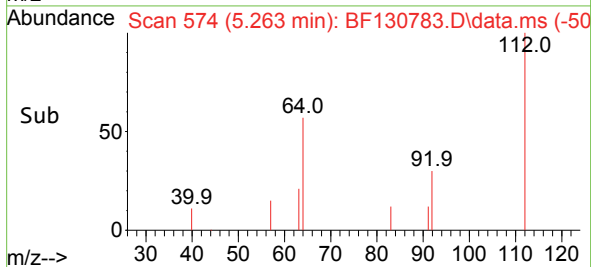
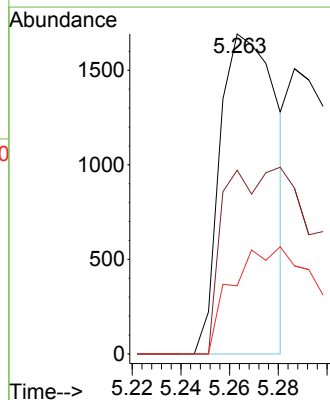
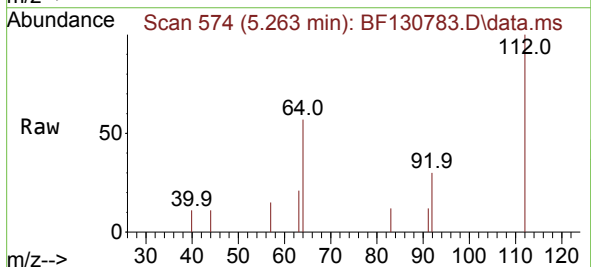
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BNA\_F  
ClientSampleId :  
MW-12DL3

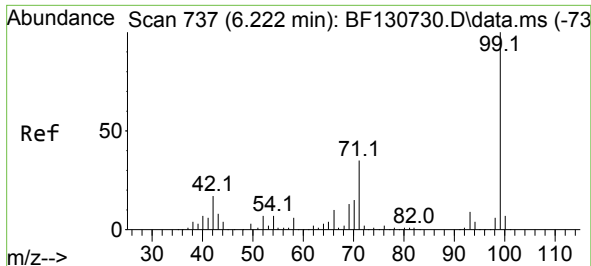
Tgt Ion:152 Resp: 77097  
Ion Ratio Lower Upper  
152 100  
150 160.7 127.0 190.6  
115 64.4 49.9 74.9



#5  
2-Fluorophenol  
Concen: 0.609 ng  
RT: 5.263 min Scan# 574  
Delta R.T. 0.088 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:112 Resp: 2722  
Ion Ratio Lower Upper  
112 100  
64 57.4 46.2 69.4  
63 21.3 25.1 37.7#

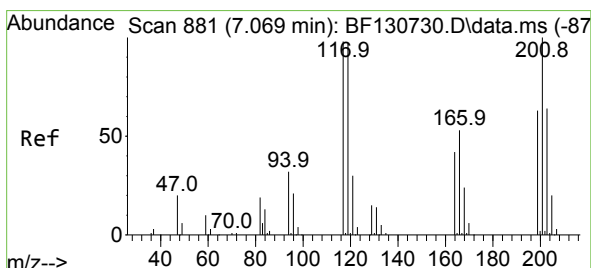
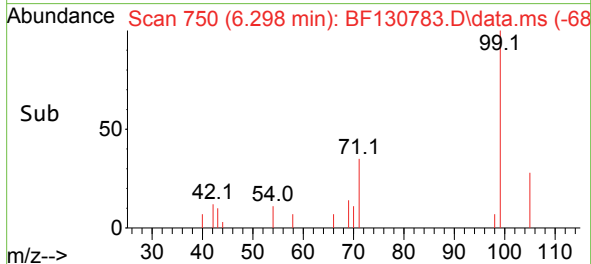
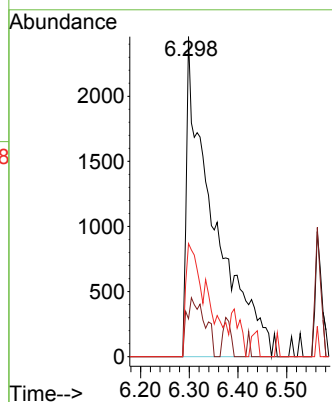
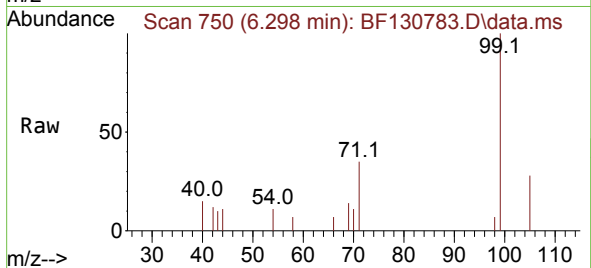




#7  
Phenol-d6  
Concen: 1.720 ng  
RT: 6.298 min Scan# 71  
Delta R.T. 0.071 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

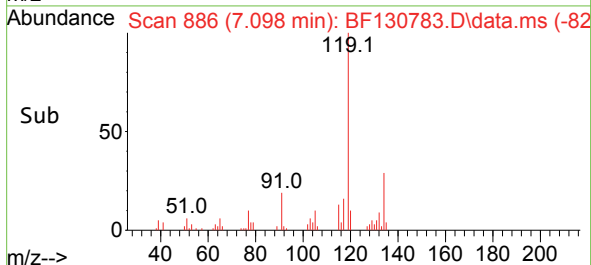
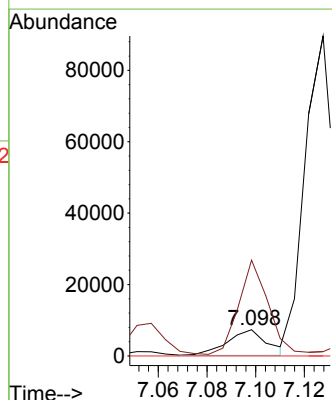
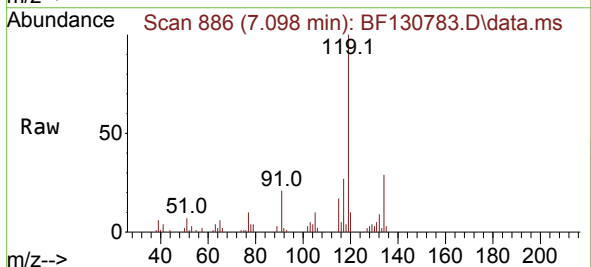
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

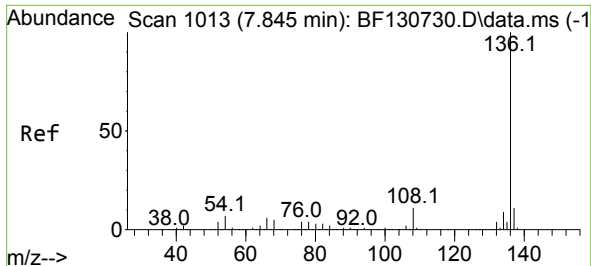
Tgt Ion: 99 Resp: 9304  
Ion Ratio Lower Upper  
99 100  
42 11.8 13.8 20.8#  
71 35.4 28.3 42.5



#18  
Hexachloroethane  
Concen: 3.798 ng  
RT: 7.098 min Scan# 886  
Delta R.T. 0.035 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion: 117 Resp: 8199  
Ion Ratio Lower Upper  
117 100  
119 366.1 79.1 118.7#  
201 0.0 81.5 122.3#

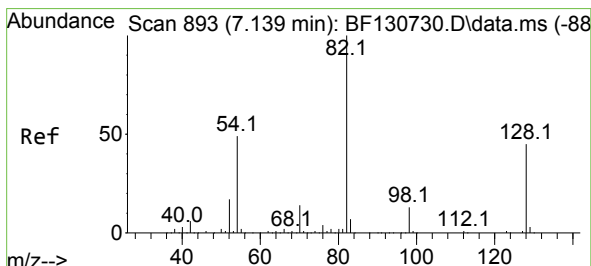
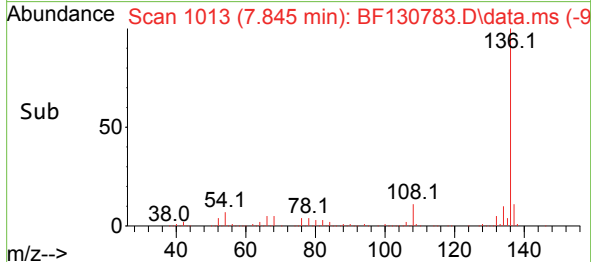
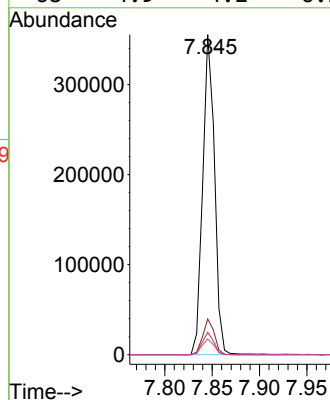
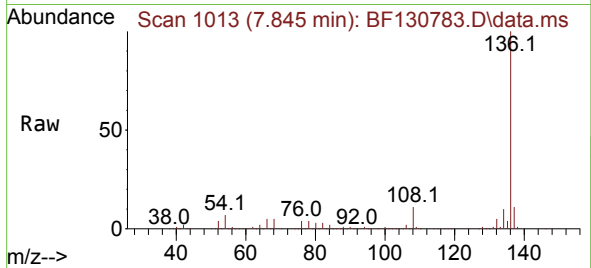




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.845 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

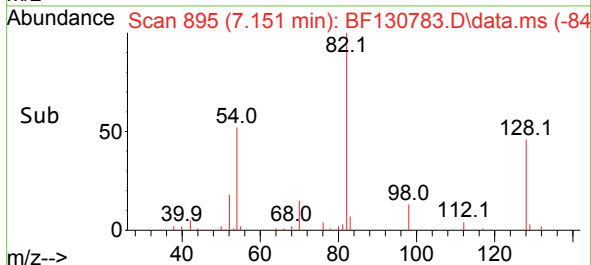
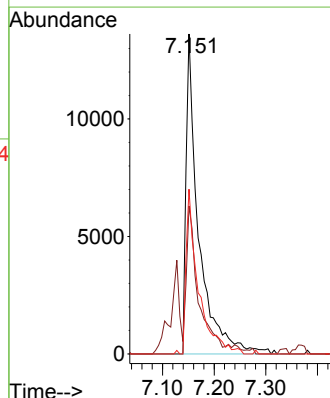
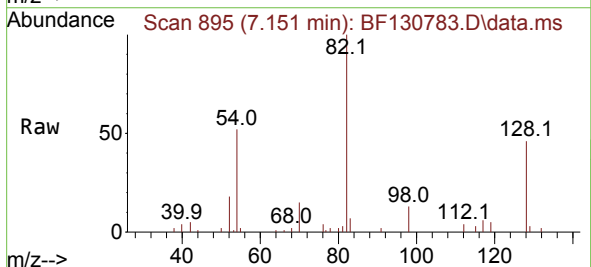
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

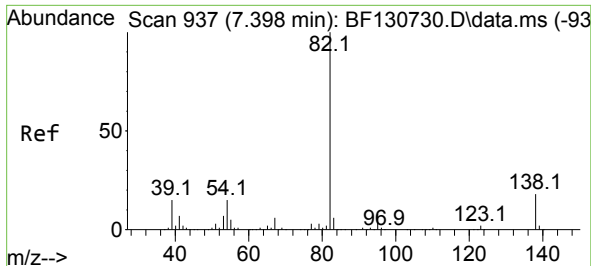
Tgt Ion:136 Resp: 309363  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 7.0 5.8 8.8  
68 4.9 4.2 6.2



#23  
Nitrobenzene-d5  
Concen: 3.951 ng  
RT: 7.151 min Scan# 895  
Delta R.T. 0.012 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion: 82 Resp: 23041  
Ion Ratio Lower Upper  
82 100  
128 46.3 35.9 53.9  
54 51.5 39.2 58.8

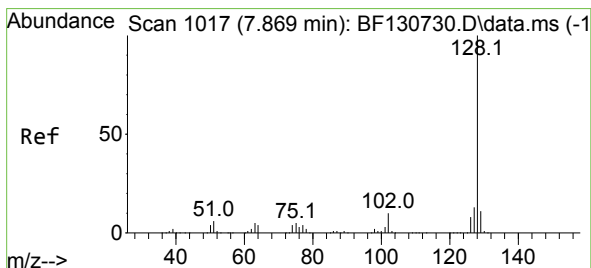
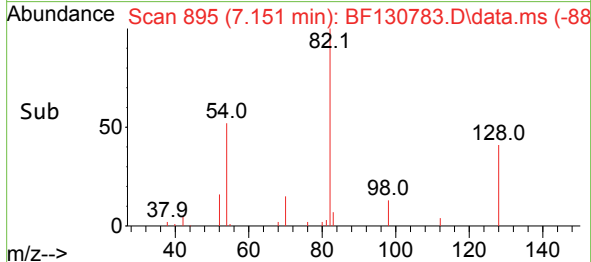
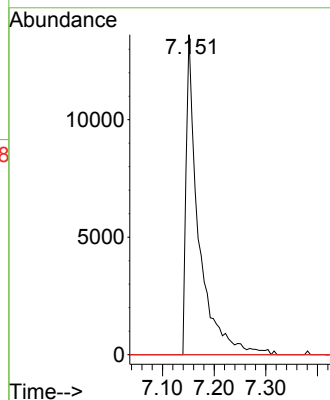
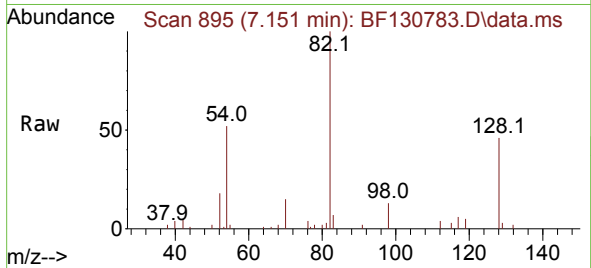




#25  
Isophorone  
Concen: 2.398 ng  
RT: 7.151 min Scan# 895  
Delta R.T. -0.247 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

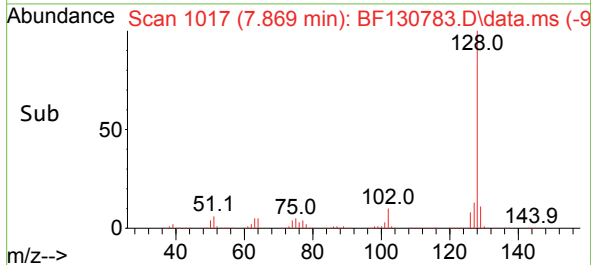
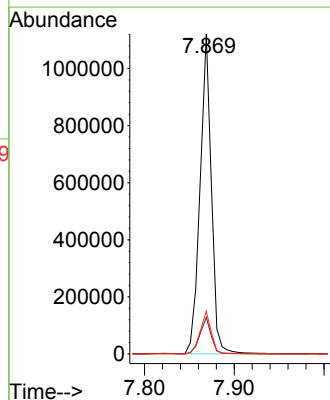
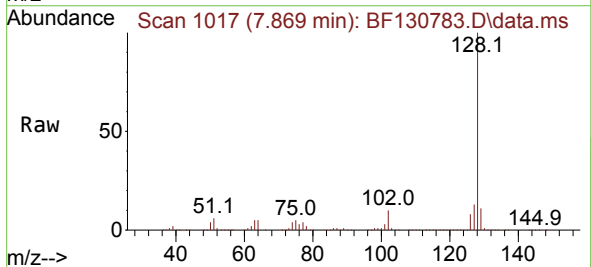
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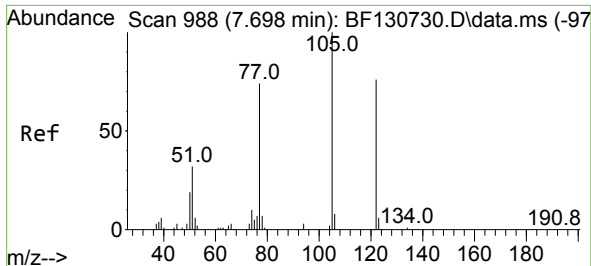
Tgt Ion: 82 Resp: 23041  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.3 9.5#  
138 0.0 14.6 21.8#



#31  
Naphthalene  
Concen: 61.521 ng  
RT: 7.869 min Scan# 1017  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion: 128 Resp: 981325  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.9 13.3  
127 13.3 10.6 16.0

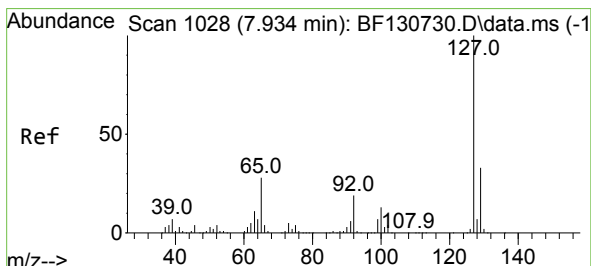
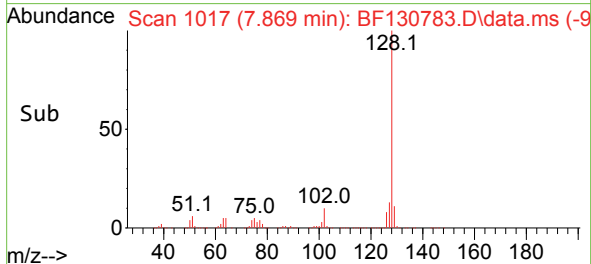
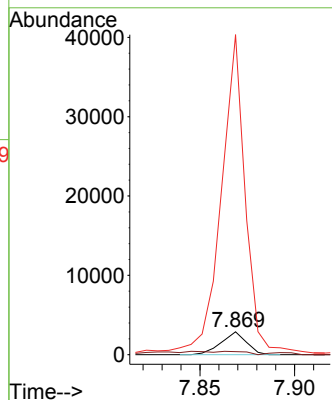
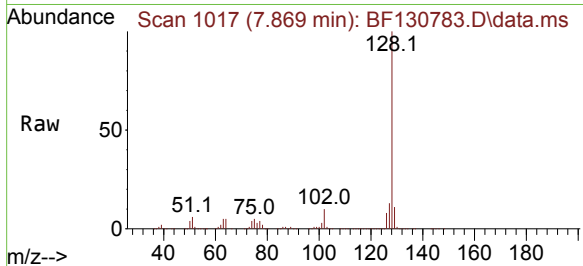




#32  
Benzoic acid  
Concen: 7.010 ng  
RT: 7.869 min Scan# 1017  
Delta R.T. 0.165 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

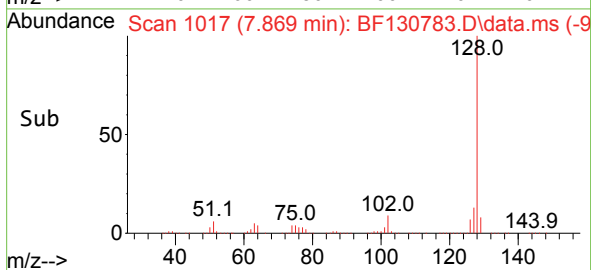
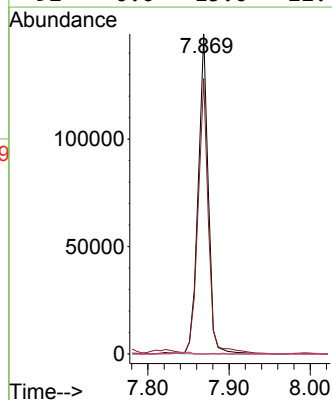
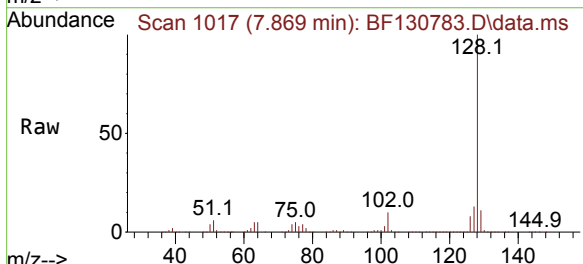
Instrument :  
BNA\_F  
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MW-12DL3

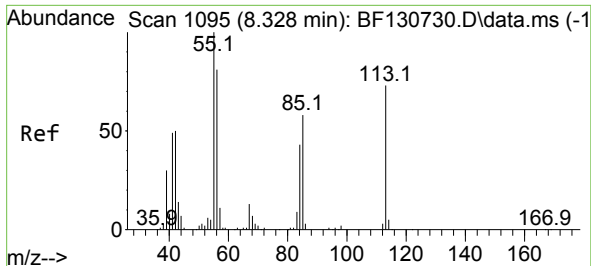
Tgt Ion:122 Resp: 2666  
Ion Ratio Lower Upper  
122 100  
105 13.2 109.2 149.2#  
77 1394.7 75.7 115.7#



#33  
4-Chloroaniline  
Concen: 21.190 ng  
RT: 7.869 min Scan# 1017  
Delta R.T. -0.065 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:127 Resp: 130038  
Ion Ratio Lower Upper  
127 100  
129 86.0 26.2 39.4#  
65 0.0 22.6 33.8#  
92 0.0 15.0 22.4#

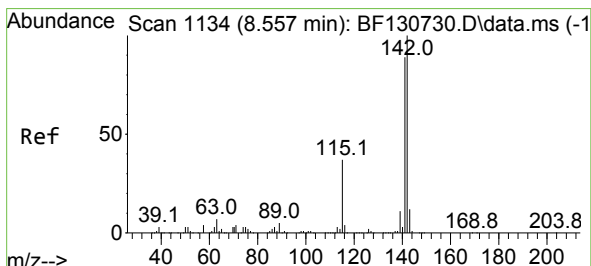
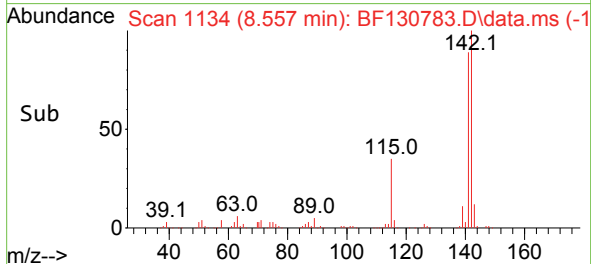
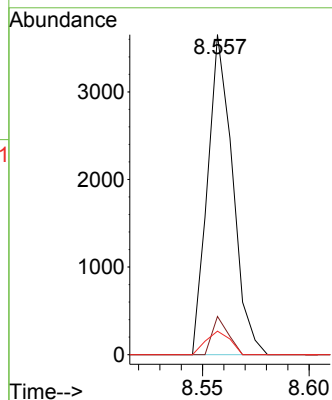
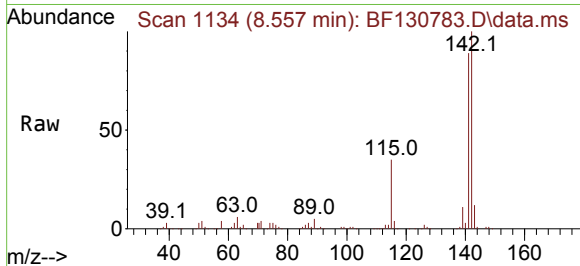




#35  
 Caprolactam  
 Concen: 2.152 ng  
 RT: 8.557 min Scan# 1134  
 Delta R.T. 0.235 min  
 Lab File: BF130783.D  
 Acq: 26 Oct 2022 14:55

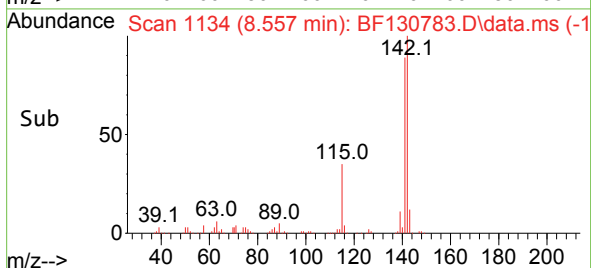
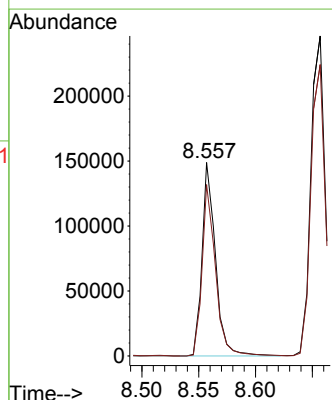
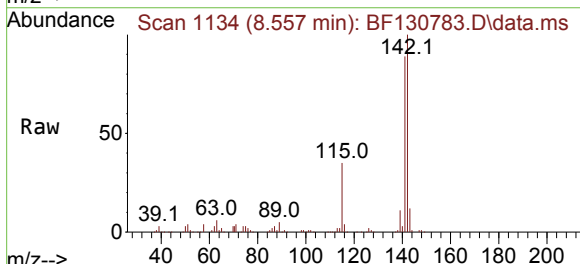
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12DL3

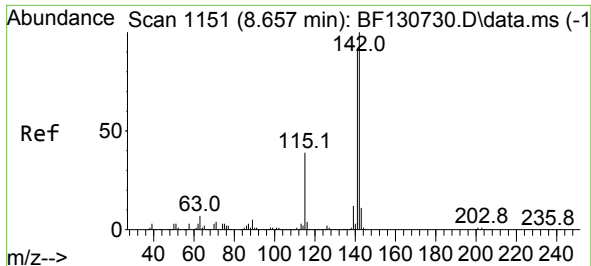
Tgt Ion:113 Resp: 2985  
 Ion Ratio Lower Upper  
 113 100  
 55 11.9 116.4 156.4#  
 56 7.4 91.0 131.0#



#37  
 2-Methylnaphthalene  
 Concen: 11.744 ng  
 RT: 8.557 min Scan# 1134  
 Delta R.T. -0.000 min  
 Lab File: BF130783.D  
 Acq: 26 Oct 2022 14:55

Tgt Ion:142 Resp: 122744  
 Ion Ratio Lower Upper  
 142 100  
 141 88.6 71.0 106.4

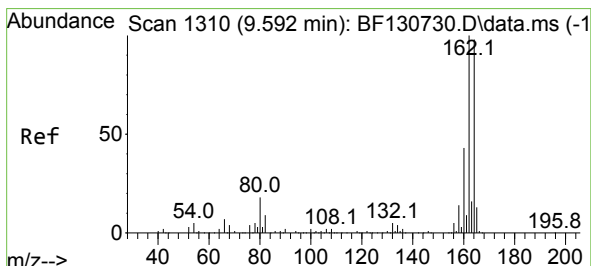
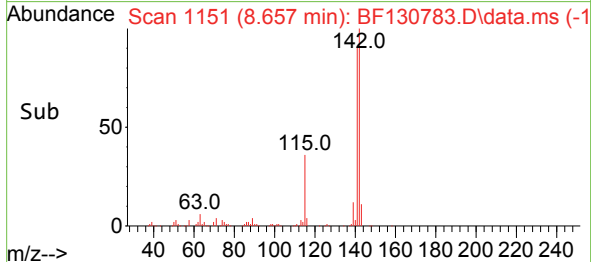
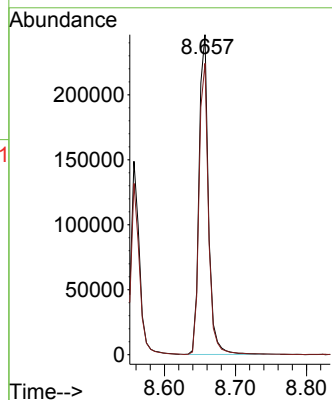
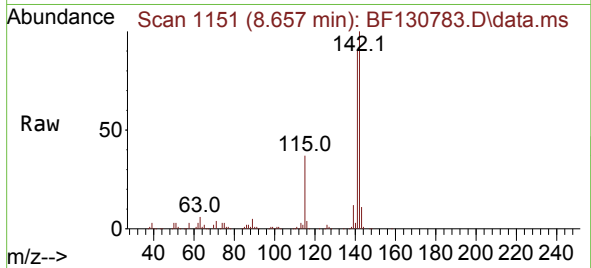




#38  
1-Methylnaphthalene  
Concen: 21.893 ng  
RT: 8.657 min Scan# 1151  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

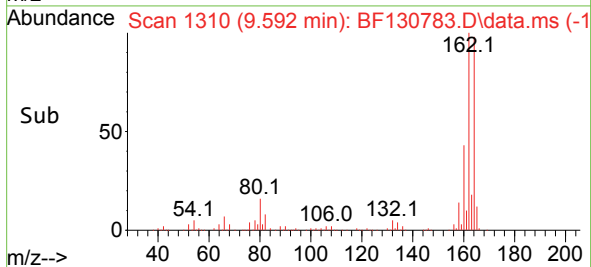
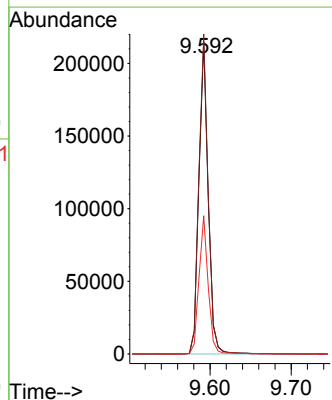
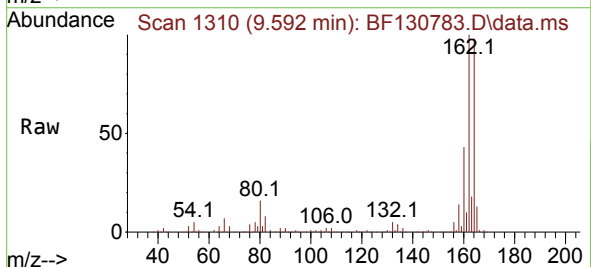
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

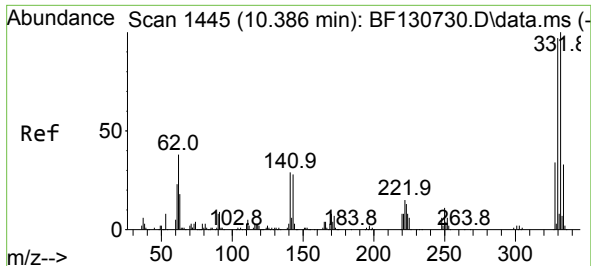
Tgt Ion:142 Resp: 226852  
Ion Ratio Lower Upper  
142 100  
141 91.0 73.0 109.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.592 min Scan# 1310  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:164 Resp: 171960  
Ion Ratio Lower Upper  
164 100  
162 102.5 81.4 122.0  
160 44.3 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 5.775 ng

RT: 10.392 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF130783.D

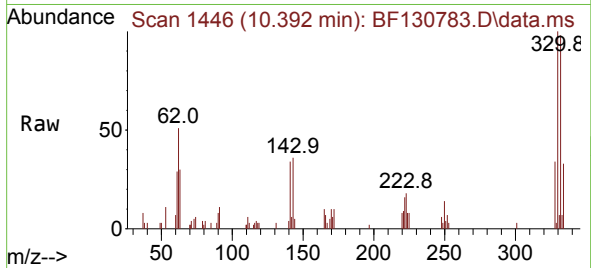
Acq: 26 Oct 2022 14:55

Instrument :

BNA\_F

ClientSampleId :

MW-12DL3



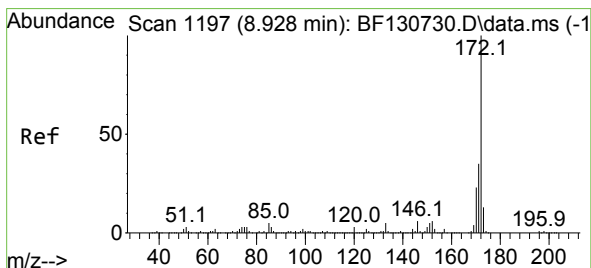
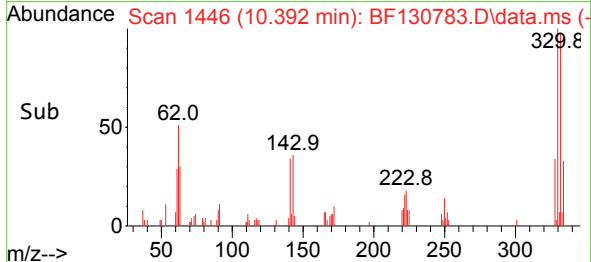
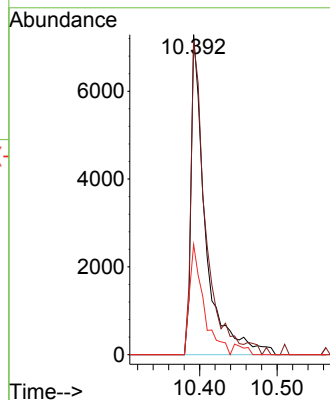
Tgt Ion:330 Resp: 9444

Ion Ratio Lower Upper

330 100

332 97.9 81.4 122.2

141 33.5 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 4.663 ng

RT: 8.922 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF130783.D

Acq: 26 Oct 2022 14:55

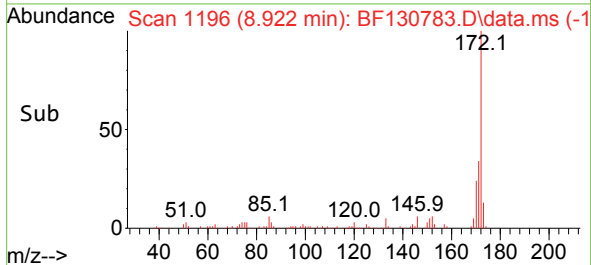
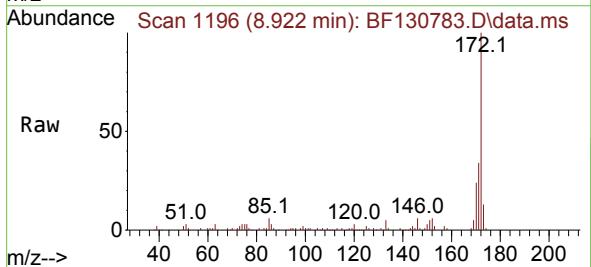
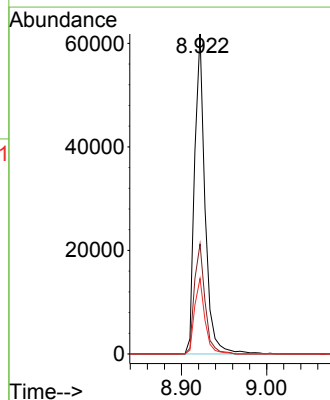
Tgt Ion:172 Resp: 52613

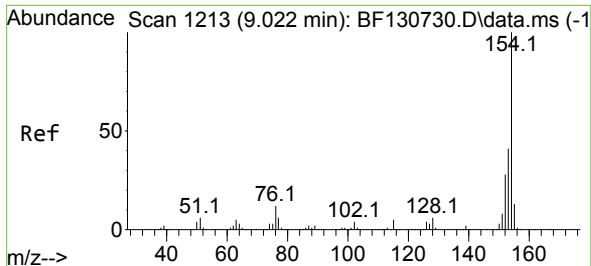
Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.2

170 23.6 18.5 27.7





#46

1,1'-Biphenyl

Concen: 2.989 ng

RT: 9.022 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130783.D

Acq: 26 Oct 2022 14:55

Instrument :

BNA\_F

ClientSampleId :

MW-12DL3

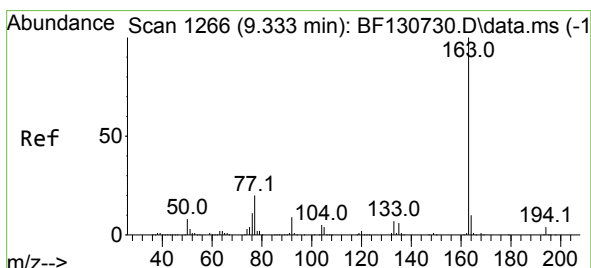
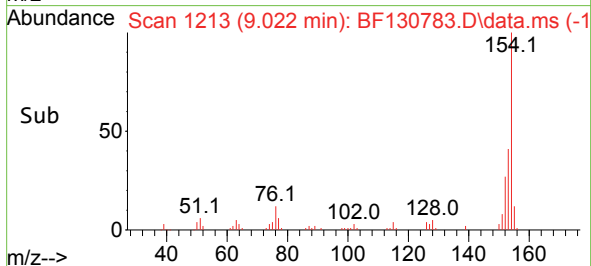
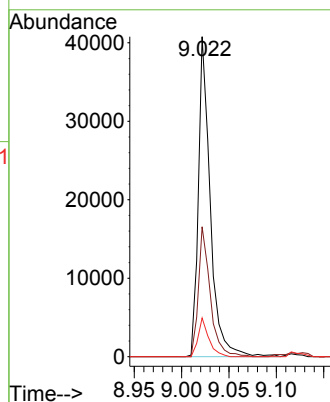
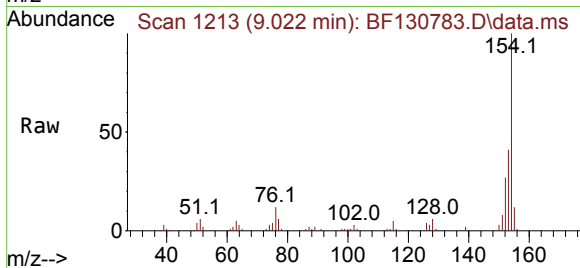
Tgt Ion:154 Resp: 35856

Ion Ratio Lower Upper

154 100

153 40.6 20.7 60.7

76 12.1 0.0 31.7



#50

Dimethylphthalate

Concen: 2.786 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.259 min

Lab File: BF130783.D

Acq: 26 Oct 2022 14:55

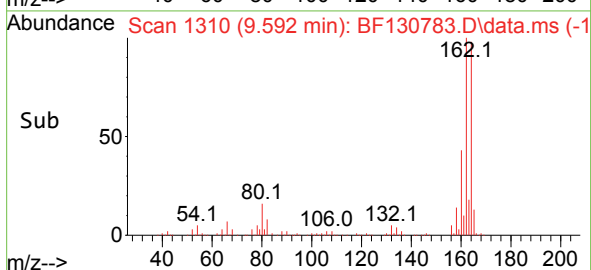
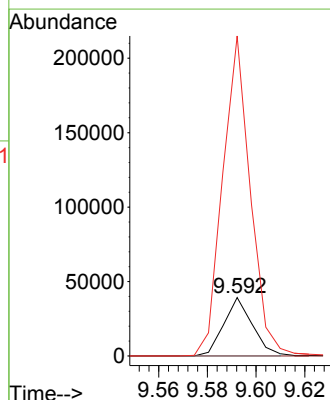
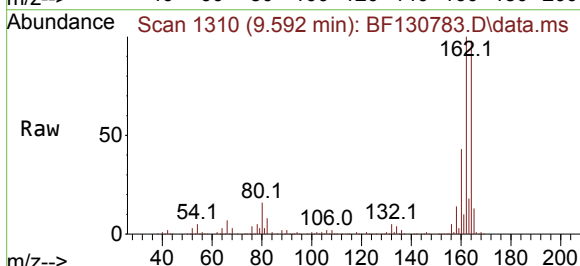
Tgt Ion:163 Resp: 32221

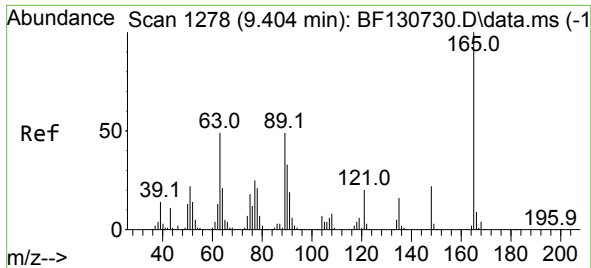
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 547.3 8.1 12.1#

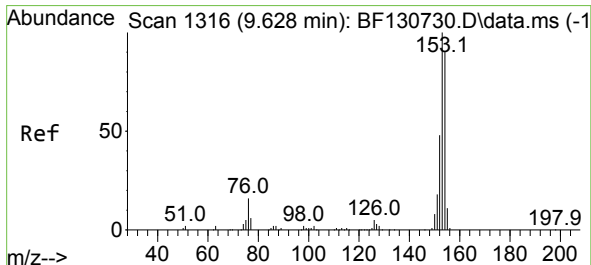
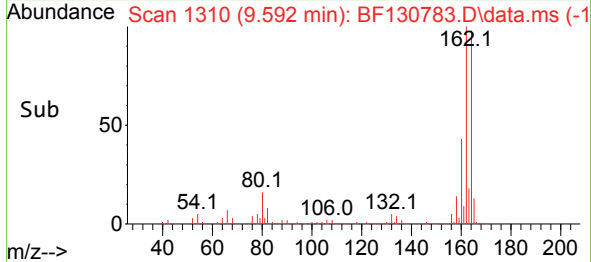
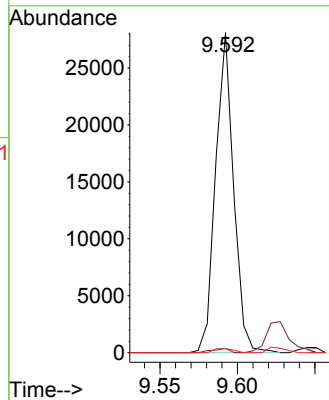
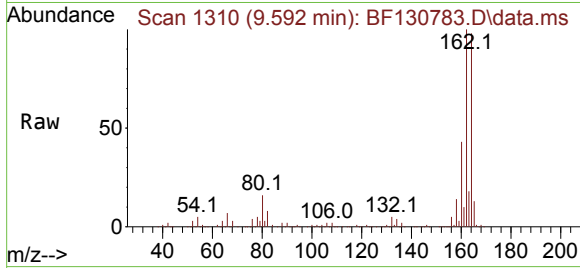




#51  
2,6-Dinitrotoluene  
Concen: 8.776 ng  
RT: 9.592 min Scan# 1310  
Delta R.T. 0.188 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

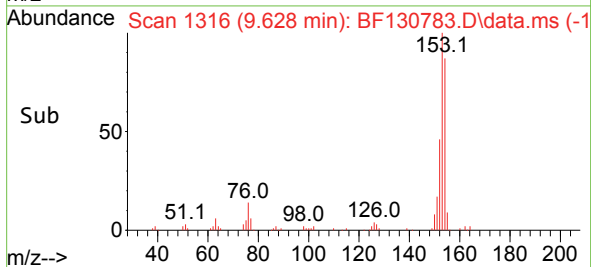
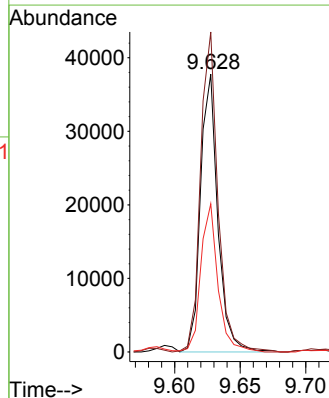
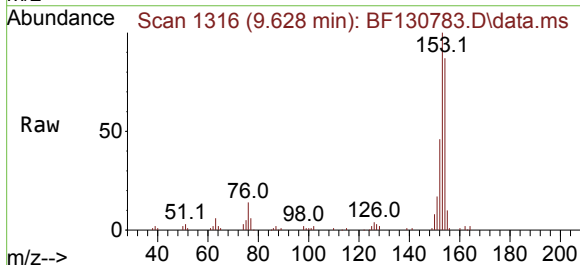
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

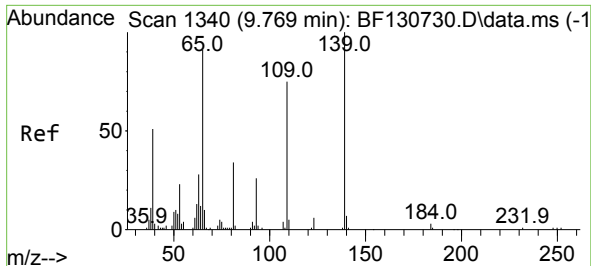
Tgt Ion:165 Resp: 22732  
Ion Ratio Lower Upper  
165 100  
63 1.3 38.8 58.2#  
89 1.3 39.4 59.2#



#52  
Acenaphthene  
Concen: 3.812 ng  
RT: 9.628 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:154 Resp: 34821  
Ion Ratio Lower Upper  
154 100  
153 115.2 88.4 132.6  
152 53.4 42.0 63.0

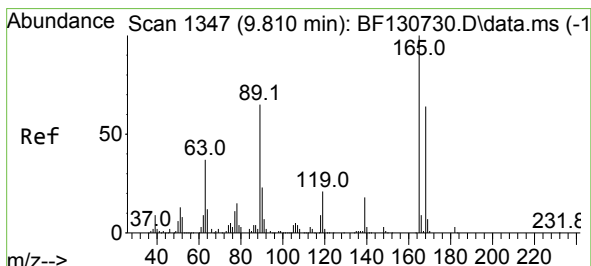
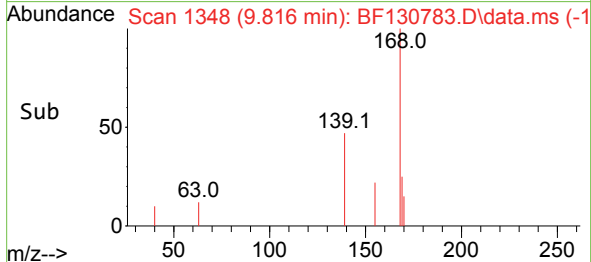
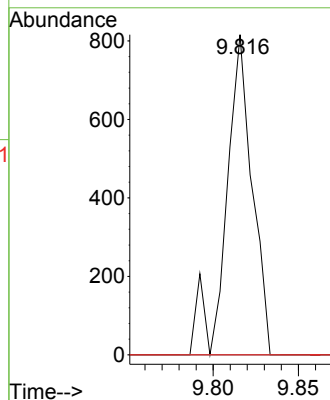
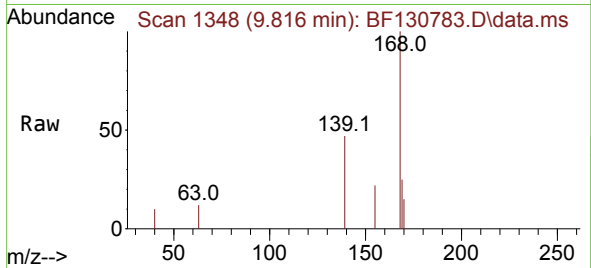




#56  
4-Nitrophenol  
Concen: 6.271 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

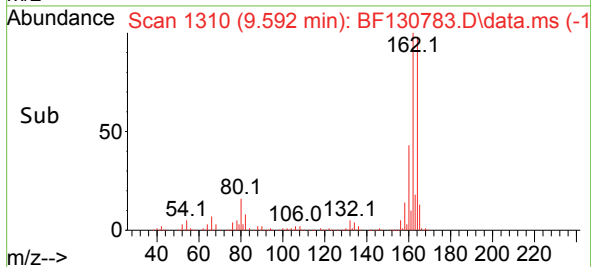
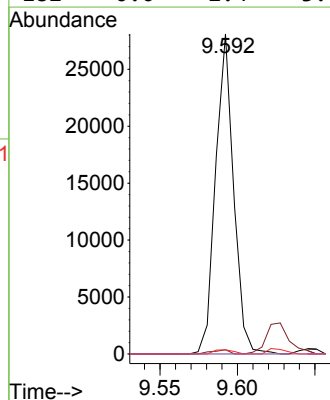
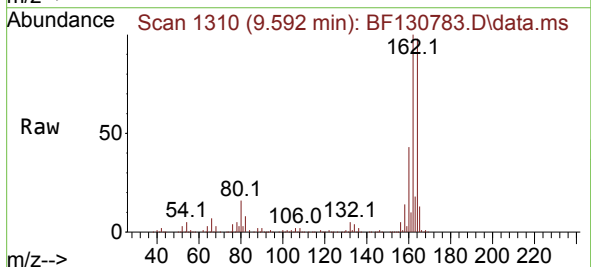
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

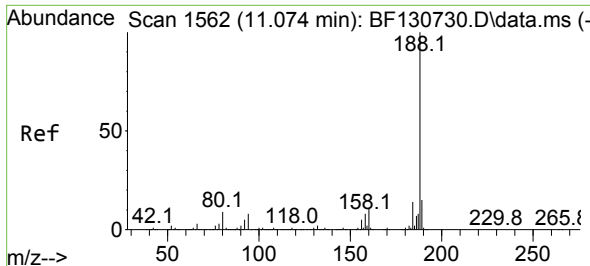
Tgt Ion:139 Resp: 869  
Ion Ratio Lower Upper  
139 100  
109 0.0 55.1 95.1#  
65 0.0 72.2 112.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.515 ng  
RT: 9.592 min Scan# 1310  
Delta R.T. -0.218 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:165 Resp: 22732  
Ion Ratio Lower Upper  
165 100  
63 1.3 32.6 49.0#  
89 1.3 51.9 77.9#  
182 0.0 2.4 3.6#

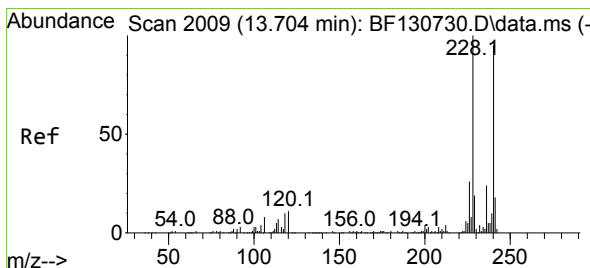
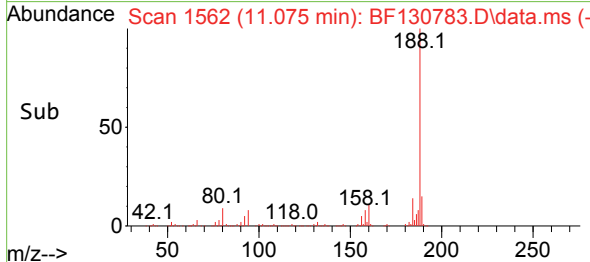
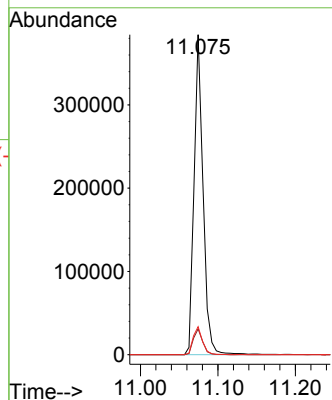
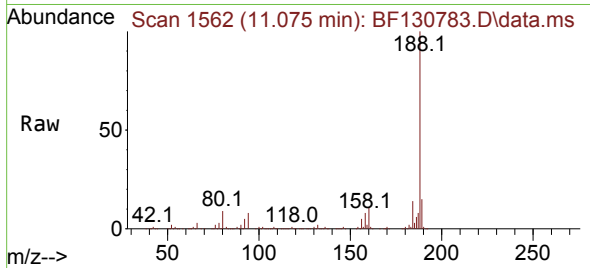




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.075 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

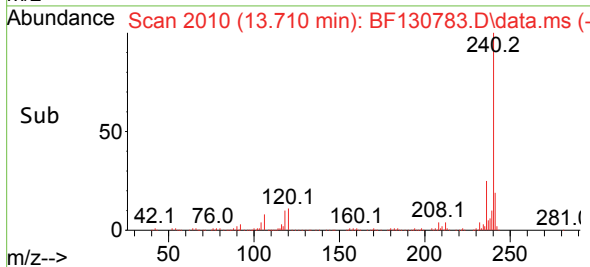
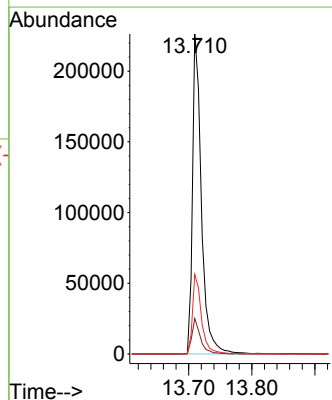
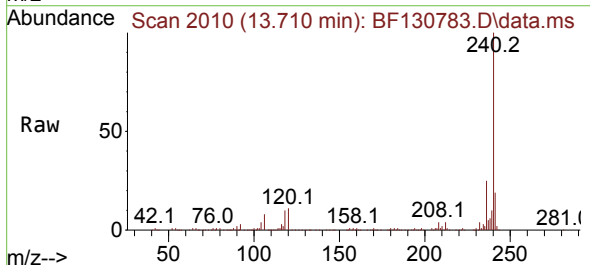
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12DL3

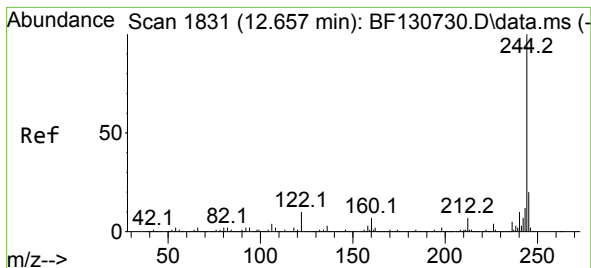
Tgt Ion:188 Resp: 310555  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.7 10.1  
80 8.7 7.4 11.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.710 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF130783.D  
Acq: 26 Oct 2022 14:55

Tgt Ion:240 Resp: 222702  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.6 14.4  
236 24.8 20.2 30.2





#79

Terphenyl-d14

Concen: 4.340 ng

RT: 12.657 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF130783.D

Acq: 26 Oct 2022 14:55

Instrument :

BNA\_F

ClientSampleId :

MW-12DL3

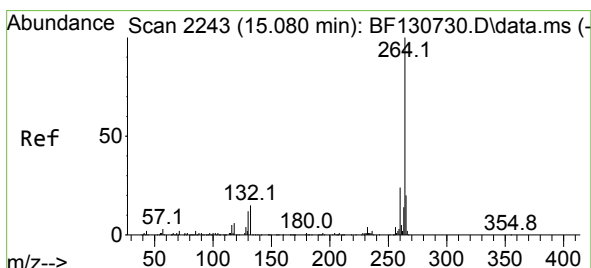
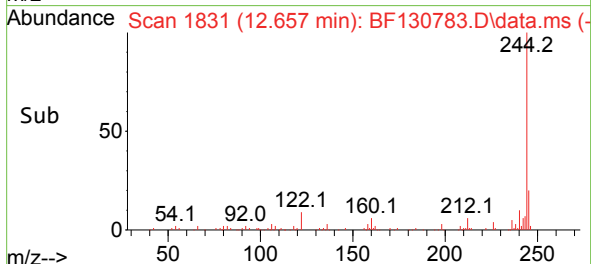
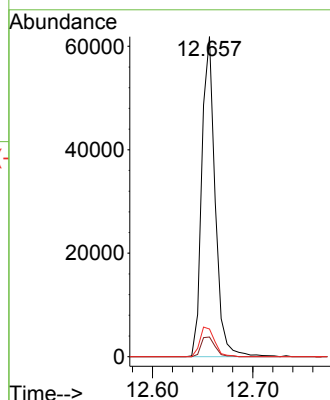
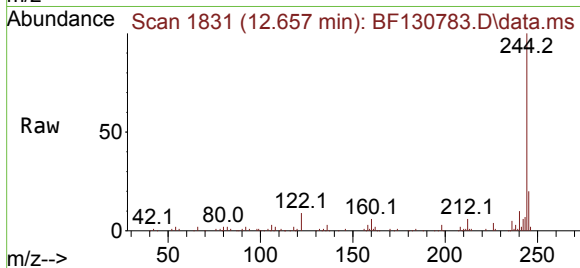
Tgt Ion:244 Resp: 57358

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 8.7 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.092 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF130783.D

Acq: 26 Oct 2022 14:55

Tgt Ion:264 Resp: 162872

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.8 16.2 24.4

