

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092723\  
 Data File : BF135484.D  
 Acq On : 27 Sep 2023 21:08  
 Operator : CG\JU  
 Sample : 04597-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 340

Quant Time: Sep 28 01:54:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 01:36:36 2023  
 Response via : Initial Calibration

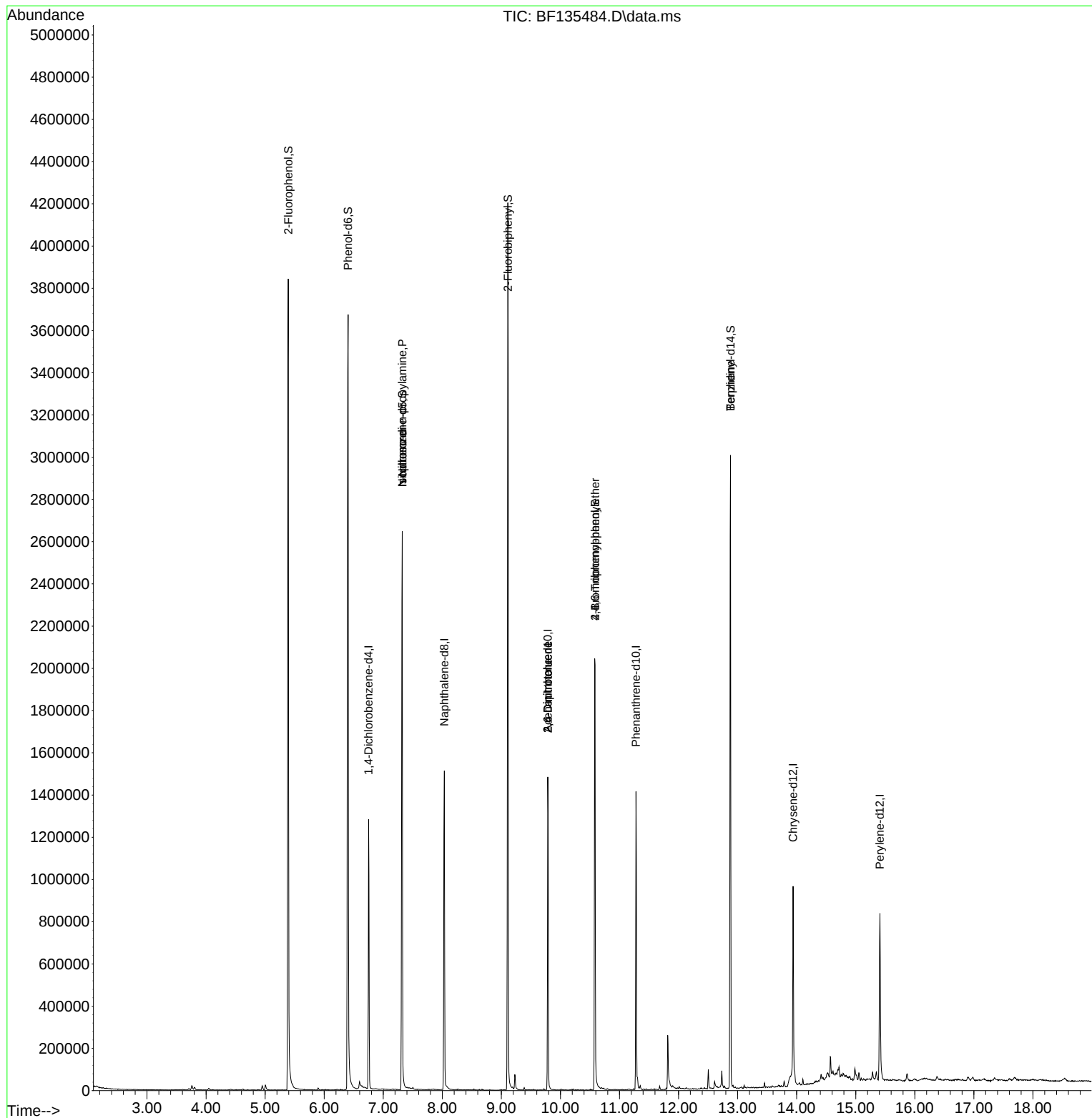
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.751  | 152  | 181252   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.034  | 136  | 679300   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 310137   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.280 | 188  | 518924   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.939 | 240  | 280544   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.410 | 264  | 371958   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 1121970  | 100.679 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.404  | 99   | 1395576  | 98.486  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 890161   | 71.194  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 262101   | 85.042  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 1431997  | 69.662  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 1070618  | 59.159  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.322  | 70   | 117546   | 13.392  | ng    | # 78     |
| 25) Isophorone                | 7.322  | 82   | 890154   | 38.771  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.786  | 165  | 39009    | 8.492   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.786  | 165  | 39009    | 6.783   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.586 | 248  | 17126    | 3.318   | ng    | # 1      |
| 77) Benzidine                 | 12.880 | 184  | 13778    | 2.397   | ng    | # 97     |
| -----                         |        |      |          |         |       |          |

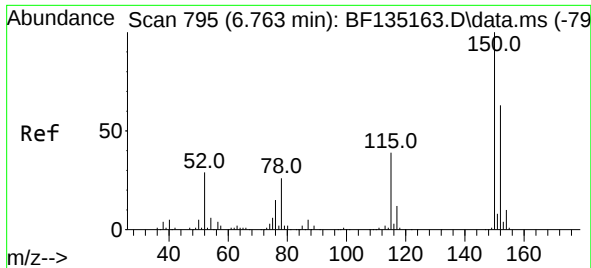
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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340

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QLast Update : Tue Sep 26 01:36:36 2023  
Response via : Initial Calibration

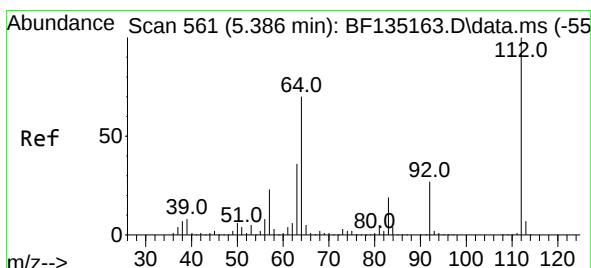
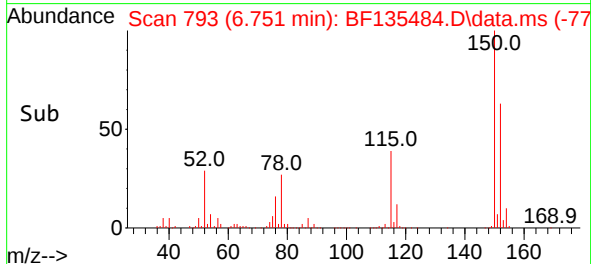
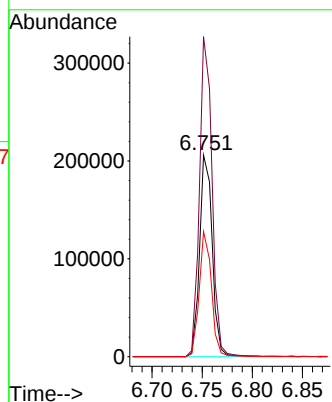
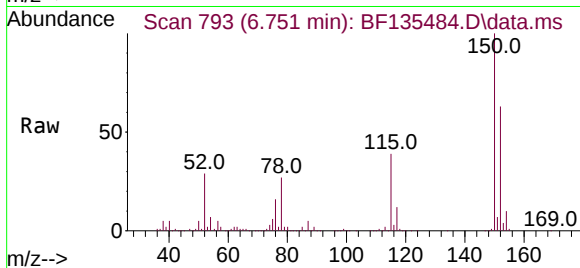




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.751 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

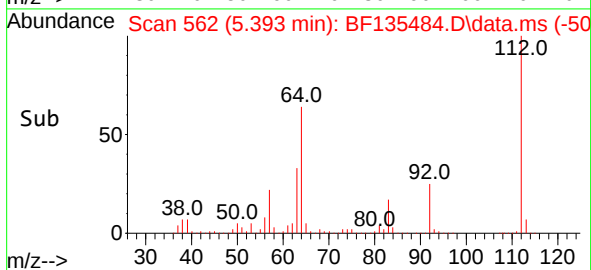
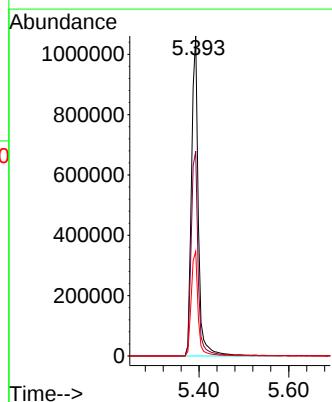
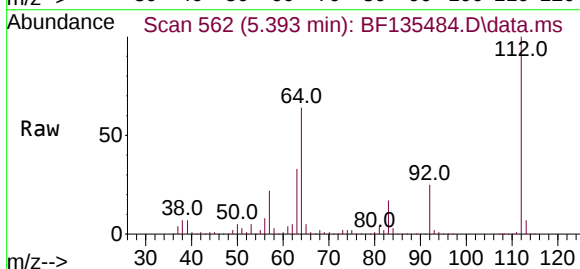
Instrument :  
BNA\_F  
ClientSampleId :  
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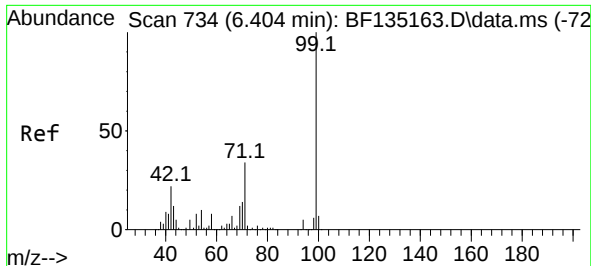
Tgt Ion:152 Resp: 181252  
Ion Ratio Lower Upper  
152 100  
150 158.7 127.8 191.6  
115 62.1 49.8 74.8



#5  
2-Fluorophenol  
Concen: 100.679 ng  
RT: 5.393 min Scan# 562  
Delta R.T. 0.012 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

Tgt Ion:112 Resp: 1121970  
Ion Ratio Lower Upper  
112 100  
64 64.0 55.9 83.9  
63 32.7 29.0 43.6

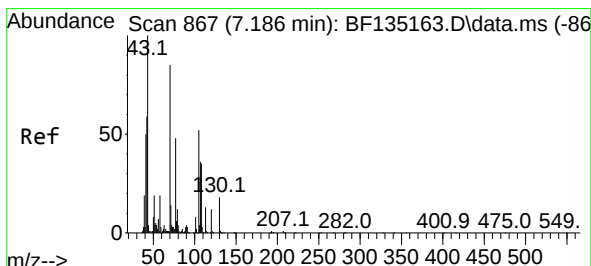
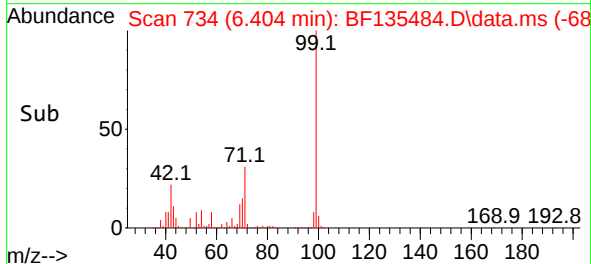
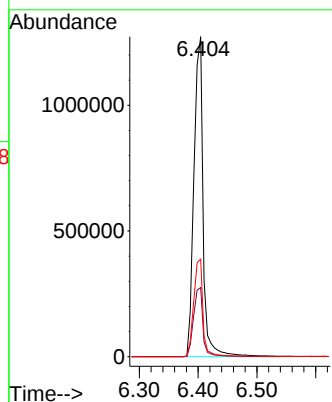
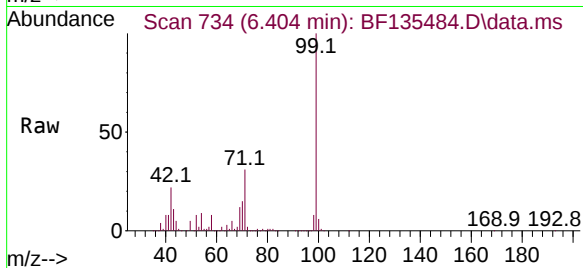




#7  
Phenol-d6  
Concen: 98.486 ng  
RT: 6.404 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

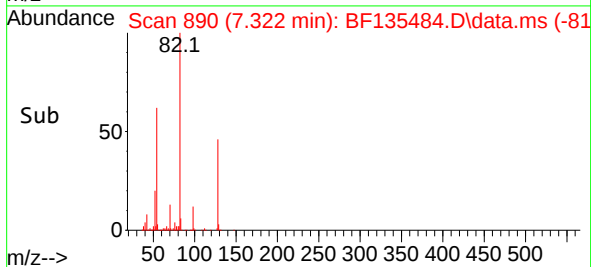
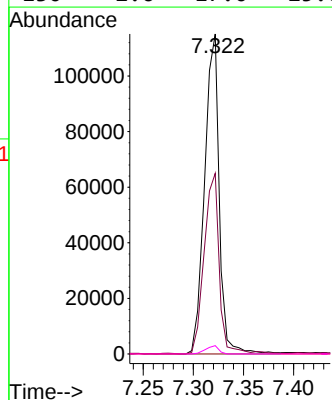
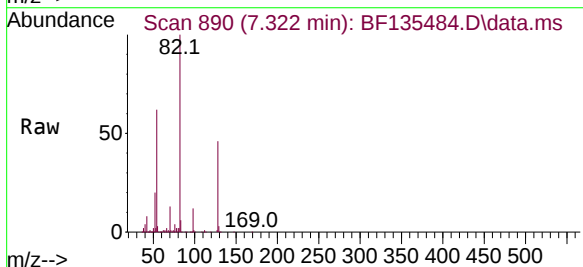
Instrument :  
BNA\_F  
ClientSampleId :  
340

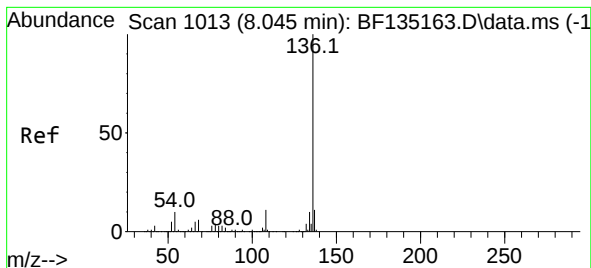
Tgt Ion: 99 Resp: 1395576  
Ion Ratio Lower Upper  
99 100  
42 21.6 17.9 26.9  
71 30.5 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.392 ng  
RT: 7.322 min Scan# 890  
Delta R.T. 0.147 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

Tgt Ion: 70 Resp: 117546  
Ion Ratio Lower Upper  
70 100  
42 56.4 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.6 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

Instrument :

BNA\_F

ClientSampleId :

340

Tgt Ion:136 Resp: 679300

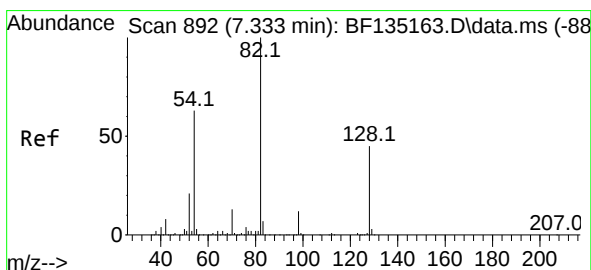
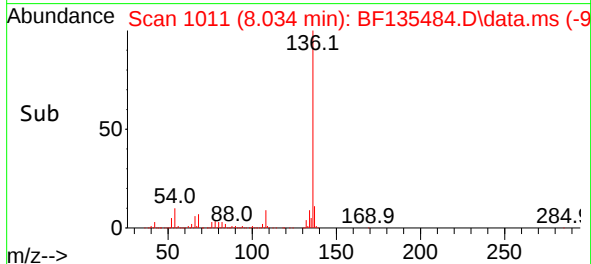
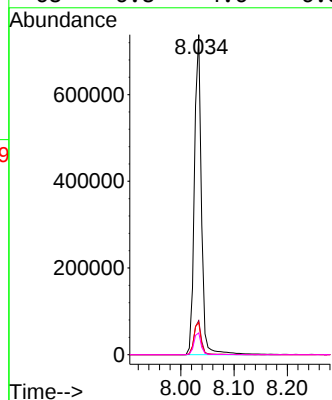
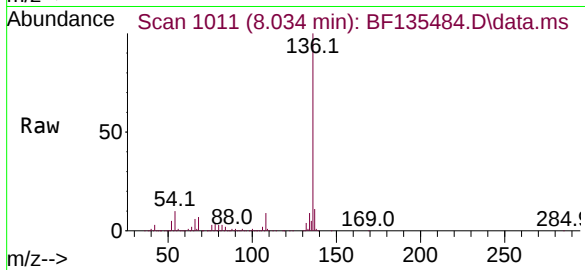
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.0 7.7 11.5

68 6.8 4.6 6.8



#23

Nitrobenzene-d5

Concen: 71.194 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.000 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

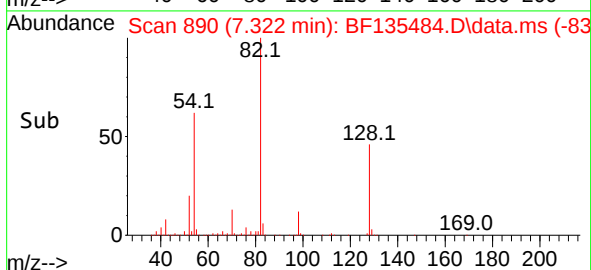
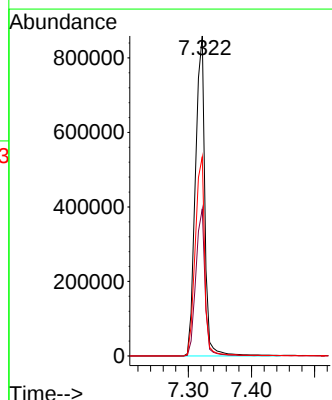
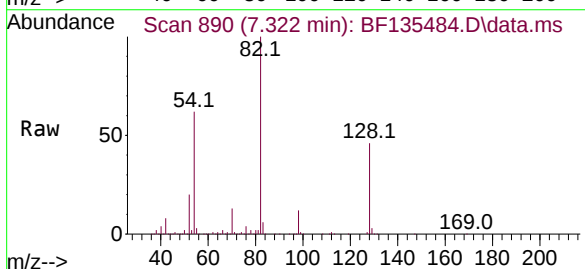
Tgt Ion: 82 Resp: 890161

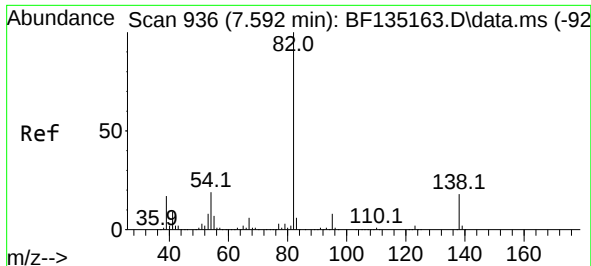
Ion Ratio Lower Upper

82 100

128 45.9 35.8 53.6

54 62.2 50.6 76.0

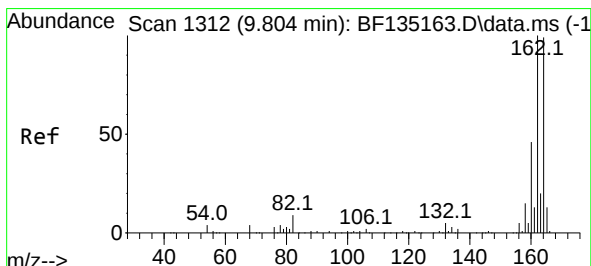
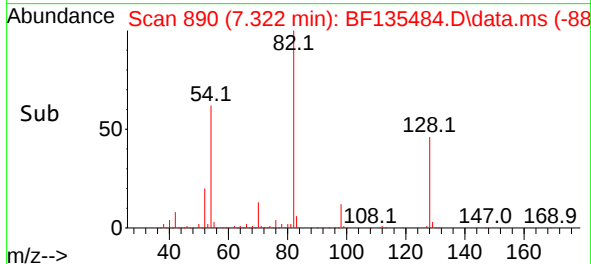
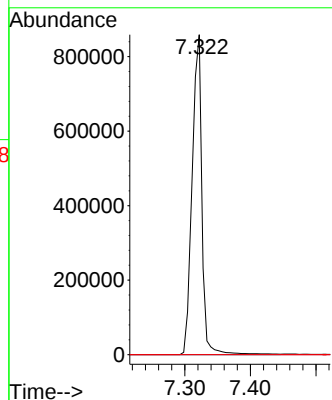
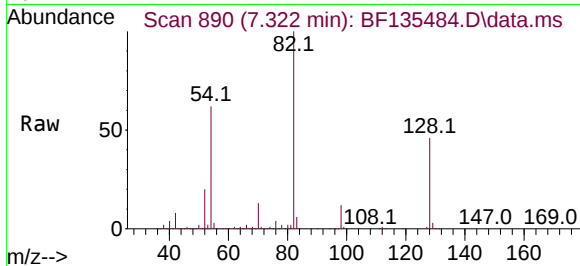




#25  
Isophorone  
Concen: 38.771 ng  
RT: 7.322 min Scan# 890  
Delta R.T. -0.259 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

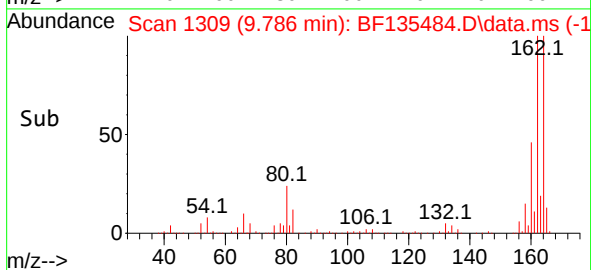
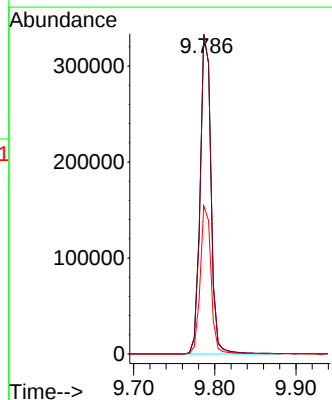
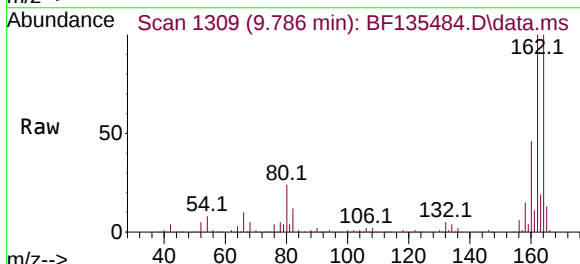
Instrument :  
BNA\_F  
ClientSampleId :  
340

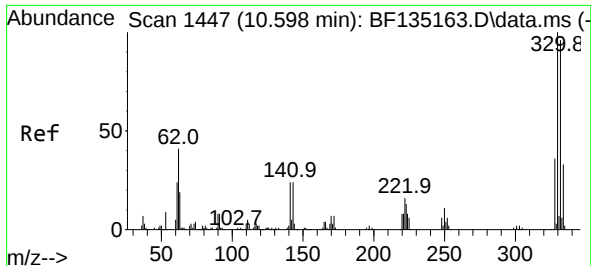
Tgt Ion: 82 Resp: 890154  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

Tgt Ion:164 Resp: 310137  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.0 121.4  
160 46.5 37.0 55.4

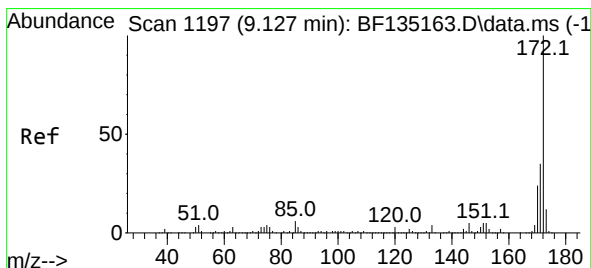
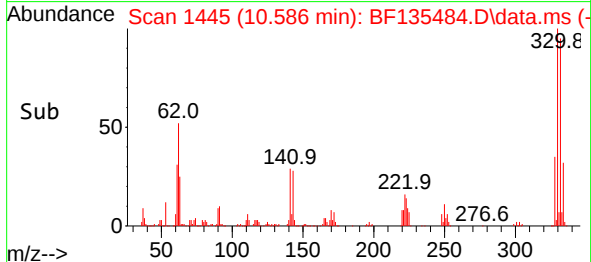
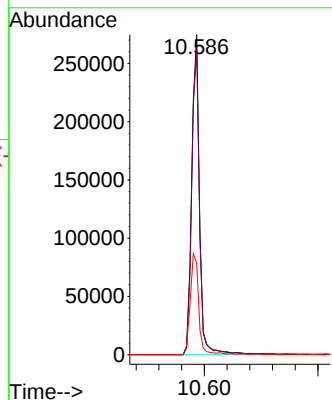
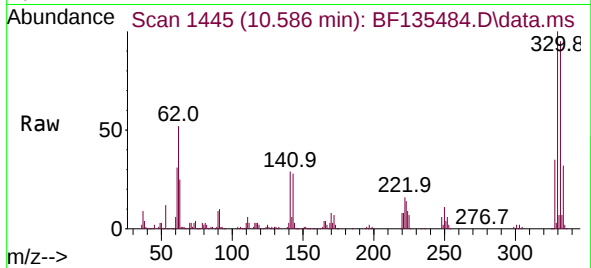




#42  
2,4,6-Tribromophenol  
Concen: 85.042 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

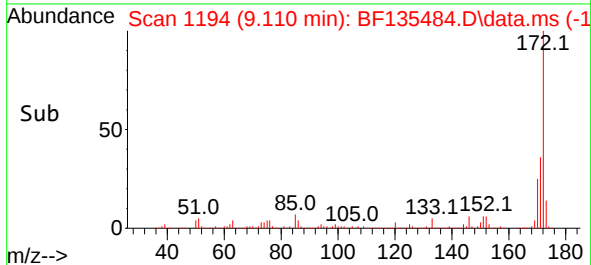
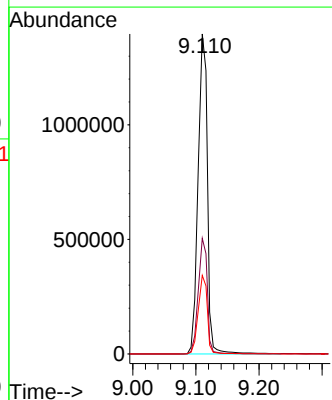
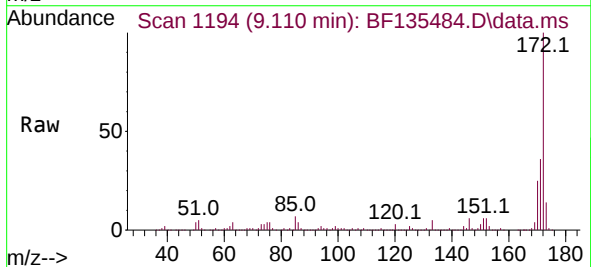
Instrument :  
BNA\_F  
ClientSampleId :  
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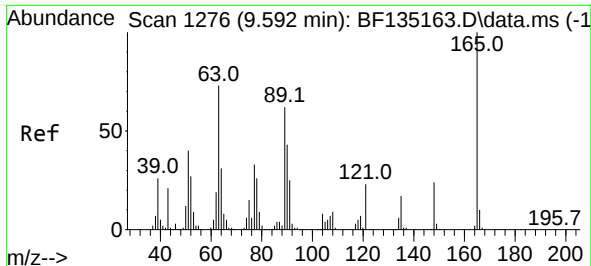
Tgt Ion:330 Resp: 262101  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.3 115.9  
141 34.4 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 69.662 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. -0.006 min  
Lab File: BF135484.D  
Acq: 27 Sep 2023 21:08

Tgt Ion:172 Resp: 1431997  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.4 42.6  
170 24.6 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.492 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.200 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

Instrument :

BNA\_F

ClientSampleId :

340

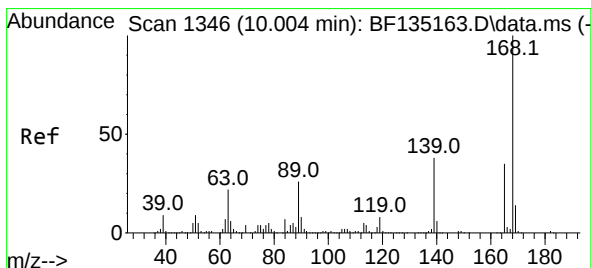
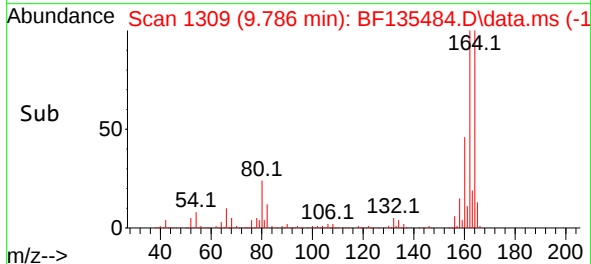
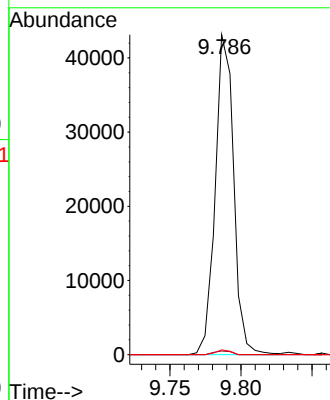
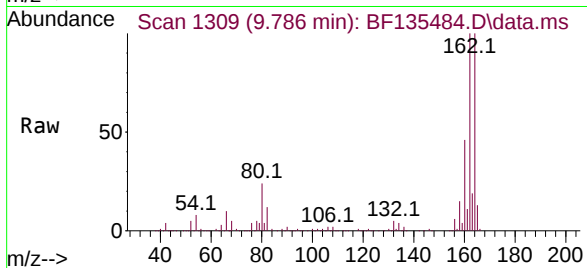
Tgt Ion:165 Resp: 39009

Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.5 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.783 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.212 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

Tgt Ion:165 Resp: 39009

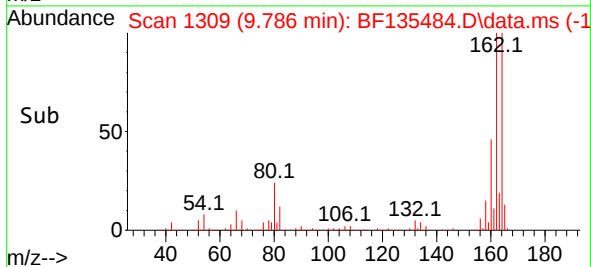
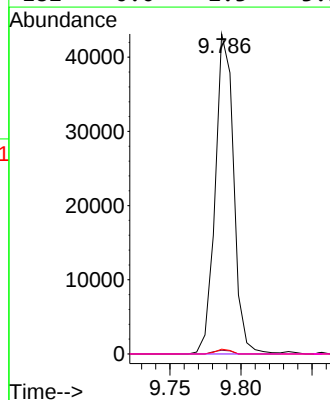
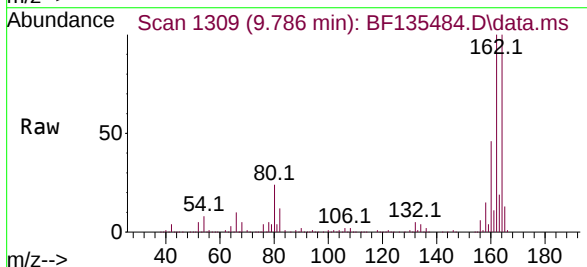
Ion Ratio Lower Upper

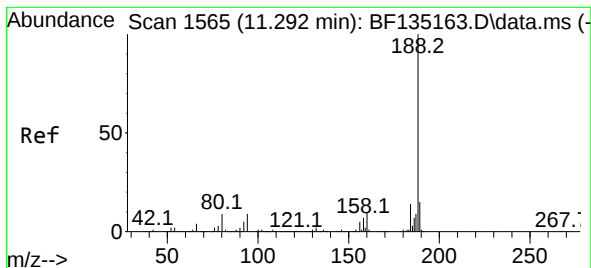
165 100

63 1.2 50.1 75.1#

89 1.5 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

Instrument :

BNA\_F

ClientSampleId :

340

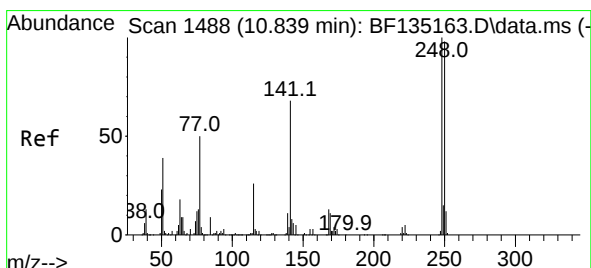
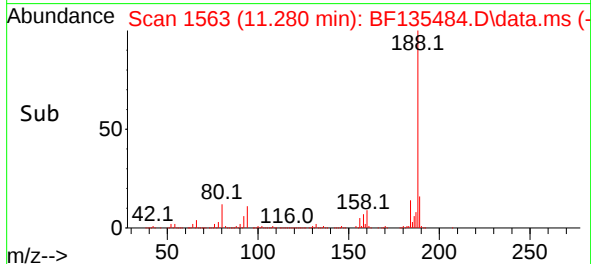
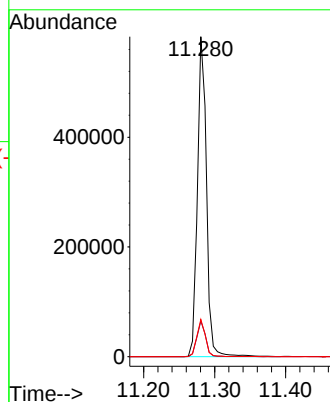
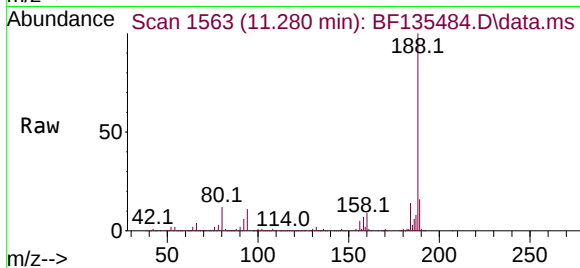
Tgt Ion:188 Resp: 518924

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.7 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 3.318 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

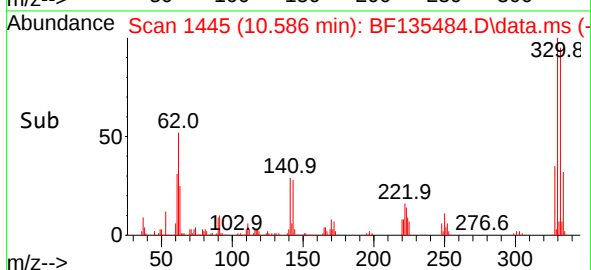
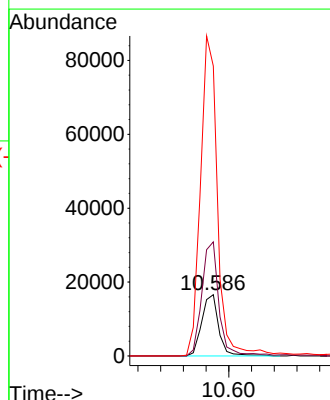
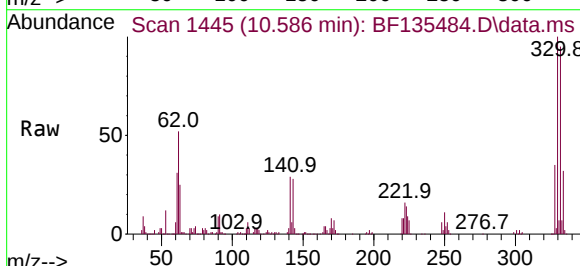
Tgt Ion:248 Resp: 17126

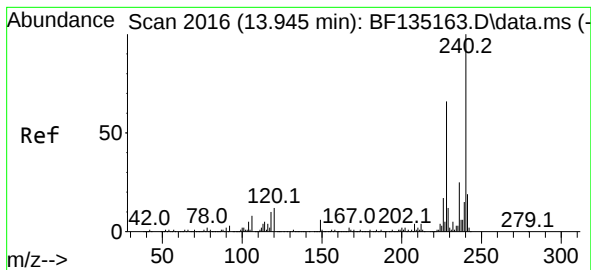
Ion Ratio Lower Upper

248 100

250 186.4 78.6 117.8#

141 473.5 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

Instrument :

BNA\_F

ClientSampleId :

340

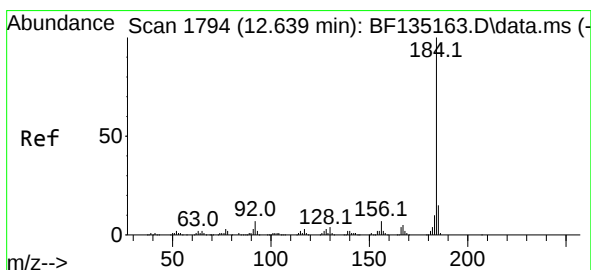
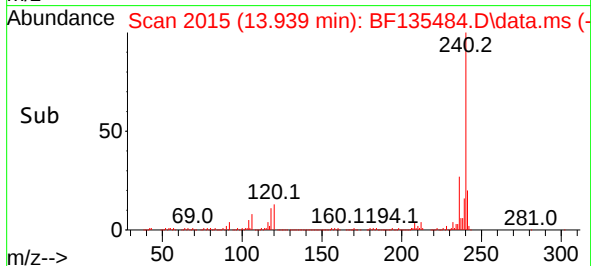
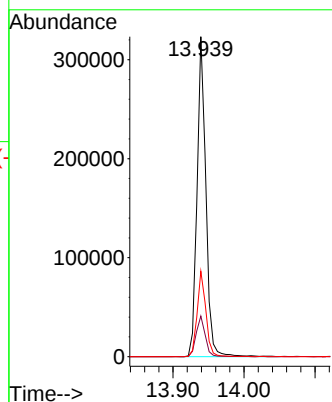
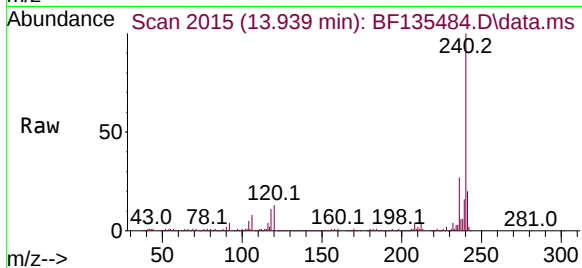
Tgt Ion:240 Resp: 280544

Ion Ratio Lower Upper

240 100

120 12.7 9.4 14.2

236 26.7 19.8 29.8



#77

Benzidine

Concen: 2.397 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.247 min

Lab File: BF135484.D

Acq: 27 Sep 2023 21:08

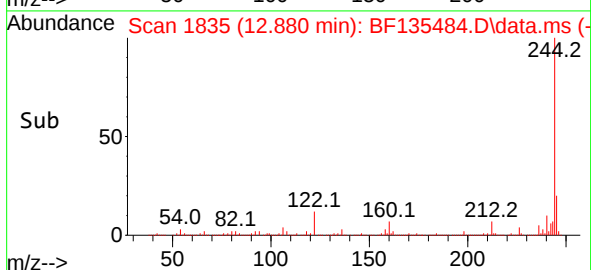
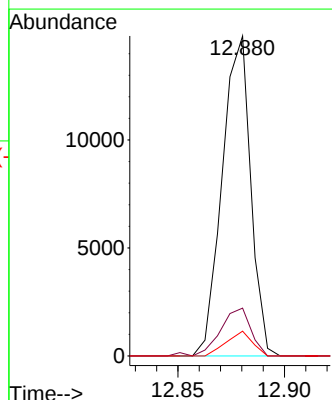
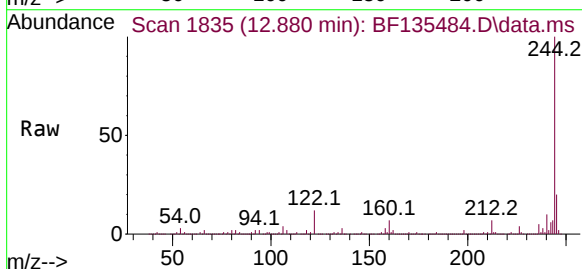
Tgt Ion:184 Resp: 13778

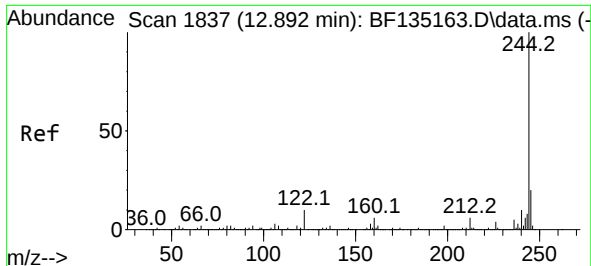
Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

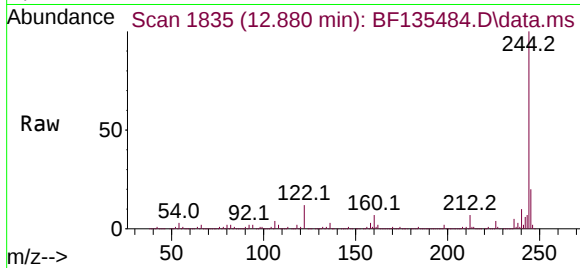
183 7.8 8.2 12.4#



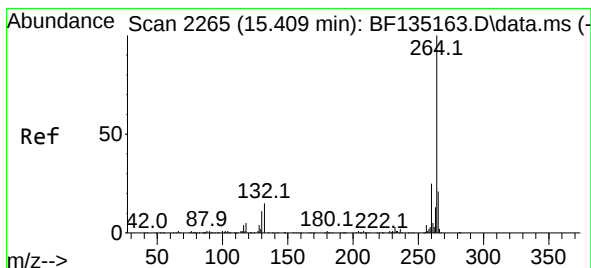
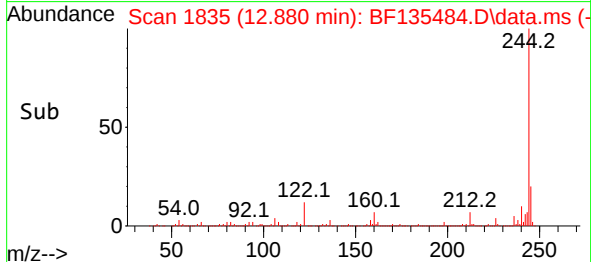
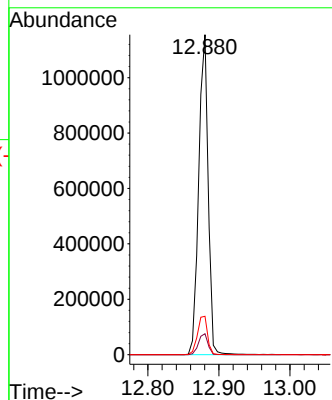


#79  
 Terphenyl-d14  
 Concen: 59.159 ng  
 RT: 12.880 min Scan# 1835  
 Delta R.T. -0.000 min  
 Lab File: BF135484.D  
 Acq: 27 Sep 2023 21:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 340



Tgt Ion:244 Resp: 1070618  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.1 7.7  
 122 12.0 7.9 11.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.410 min Scan# 2265  
 Delta R.T. 0.006 min  
 Lab File: BF135484.D  
 Acq: 27 Sep 2023 21:08

Tgt Ion:264 Resp: 371958  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.8 29.6  
 265 21.5 17.0 25.4

