

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101223\  
 Data File : BF135730.D  
 Acq On : 12 Oct 2023 12:49  
 Operator : CG\JU  
 Sample : 04685-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PP-20230928-B13-0-7.5

Quant Time: Oct 13 00:54:47 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 11 02:43:17 2023  
 Response via : Initial Calibration

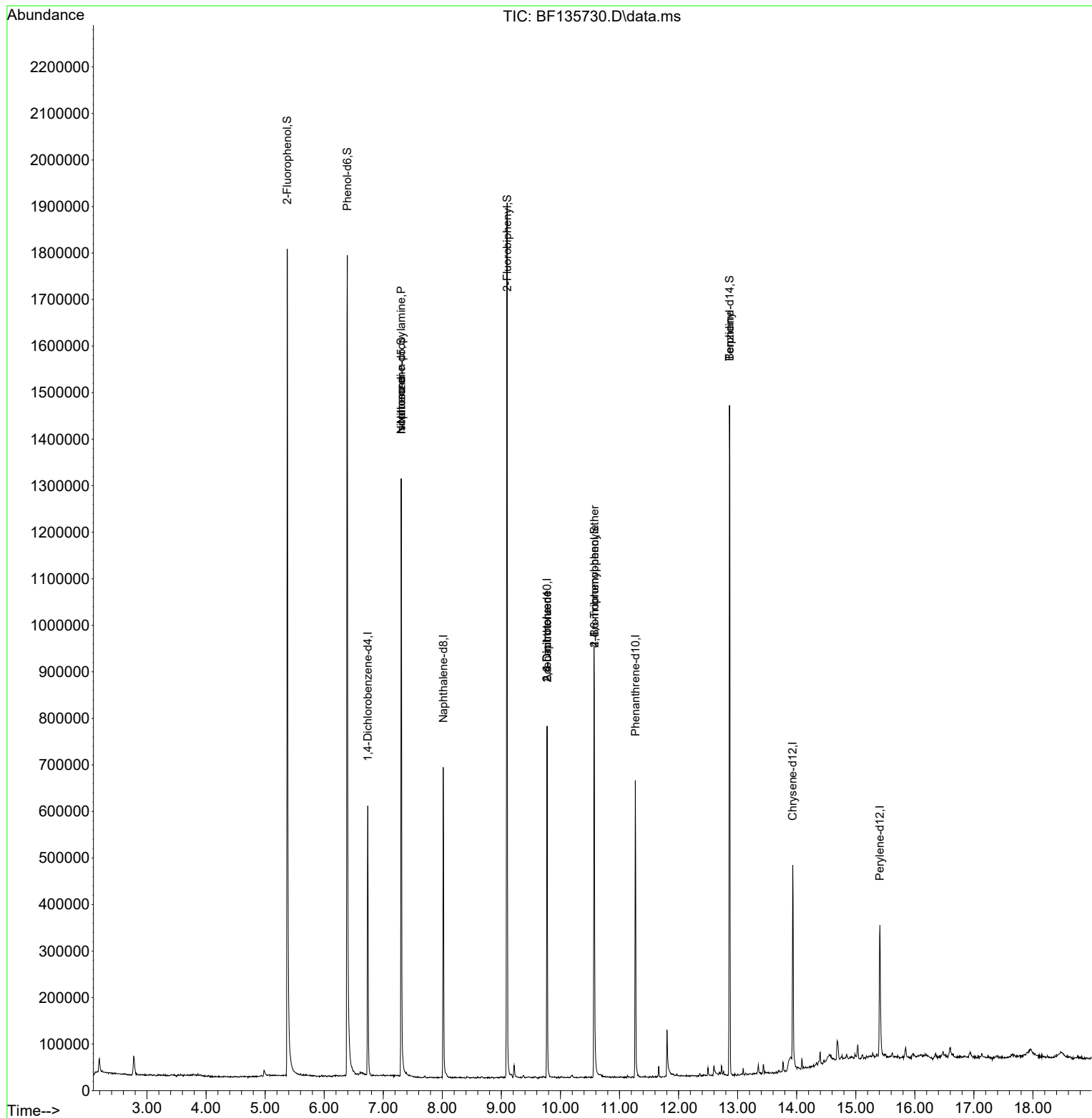
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 86836    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 297621   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 141369   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 240814   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 152992   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.409 | 264  | 145137   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 530030   | 99.275 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.392  | 99   | 651257   | 95.930 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 388919   | 70.995 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 120135   | 85.514 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 640322   | 68.337 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.863 | 244  | 529707   | 53.673 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 51211    | 12.179 | ng    | # 80     |
| 25) Isophorone                | 7.304  | 82   | 388919   | 38.663 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 17749    | 8.477  | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 17749    | 6.771  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 7518     | 3.139  | ng    | # 1      |
| 77) Benzidine                 | 12.863 | 184  | 6520     | 2.080  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

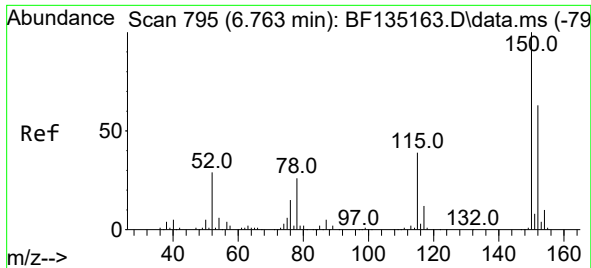
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101223\  
Data File : BF135730.D  
Acq On : 12 Oct 2023 12:49  
Operator : CG\JU  
Sample : 04685-09  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PP-20230928-B13-0-7.5

Quant Time: Oct 13 00:54:47 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 11 02:43:17 2023  
Response via : Initial Calibration

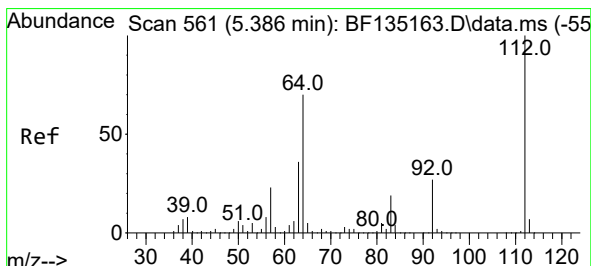
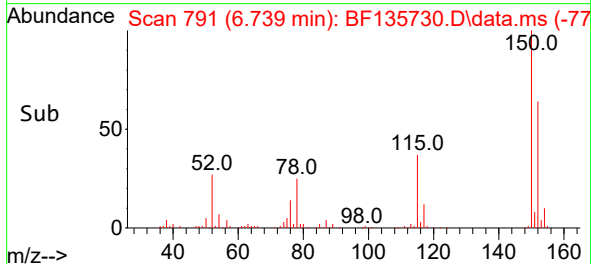
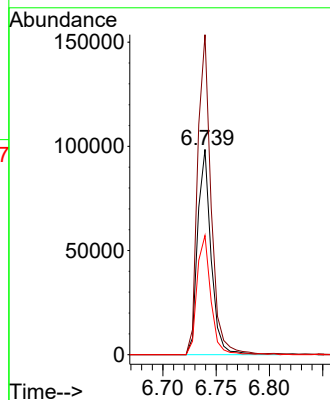
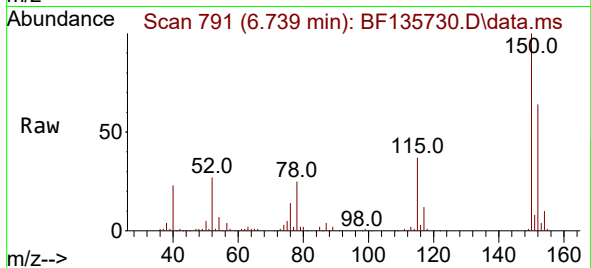




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

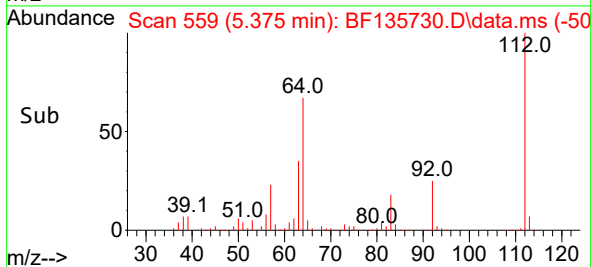
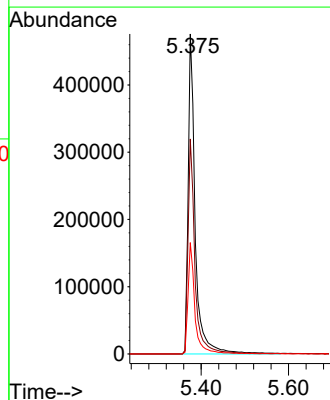
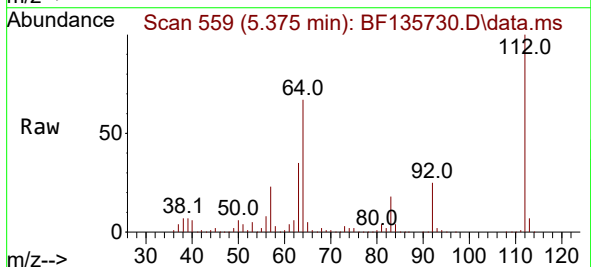
Instrument :  
BNA\_F  
ClientSampleId :  
PP-20230928-B13-0-7.5

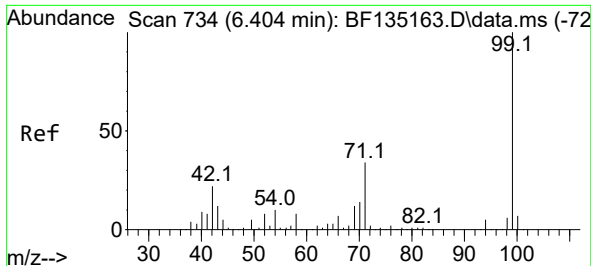
Tgt Ion:152 Resp: 86836  
Ion Ratio Lower Upper  
152 100  
150 155.9 127.8 191.6  
115 58.1 49.8 74.8



#5  
2-Fluorophenol  
Concen: 99.275 ng  
RT: 5.375 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

Tgt Ion:112 Resp: 530030  
Ion Ratio Lower Upper  
112 100  
64 67.2 55.9 83.9  
63 34.8 29.0 43.6





#7

Phenol-d6

Concen: 95.930 ng

RT: 6.392 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

Instrument :

BNA\_F

ClientSampleId :

PP-20230928-B13-0-7.5

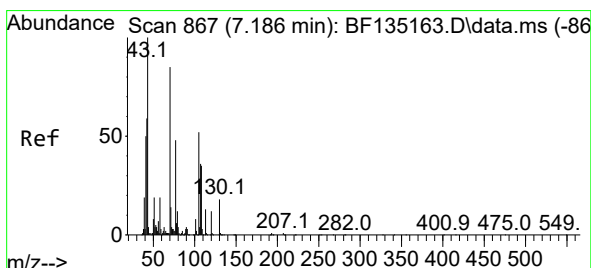
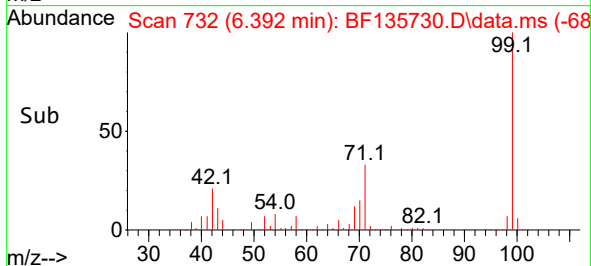
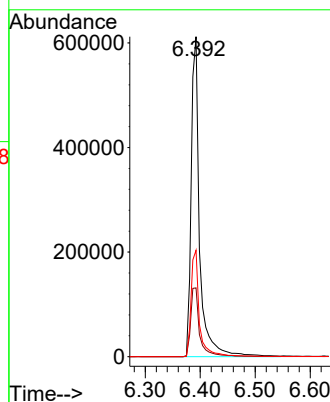
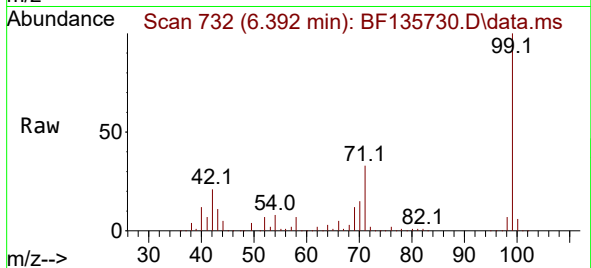
Tgt Ion: 99 Resp: 651257

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

71 33.2 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.179 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

Tgt Ion: 70 Resp: 51211

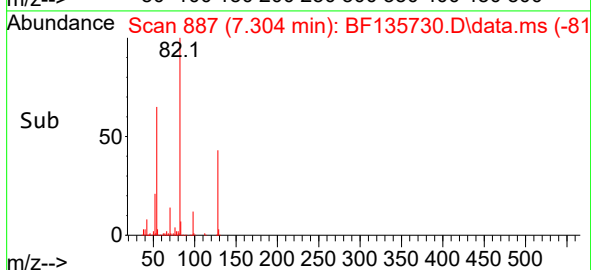
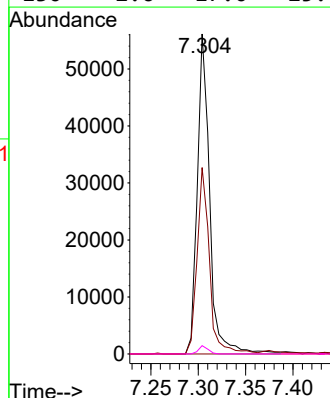
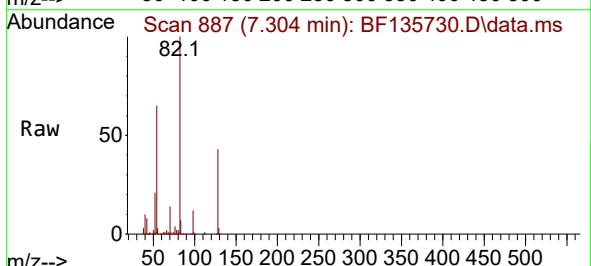
Ion Ratio Lower Upper

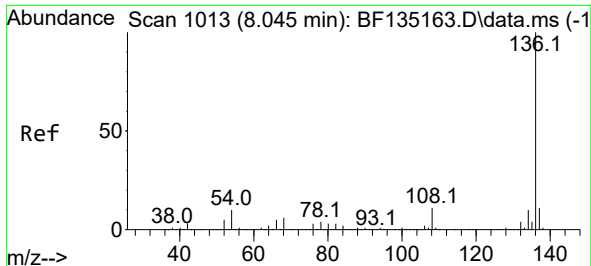
70 100

42 58.3 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: 8.016 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BF135730.D

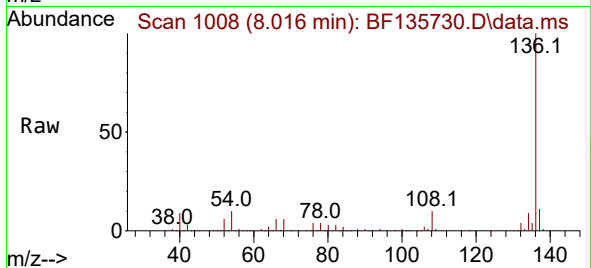
Acq: 12 Oct 2023 12:49

Instrument :

BNA\_F

ClientSampleId :

PP-20230928-B13-0-7.5



Tgt Ion:136 Resp: 297621

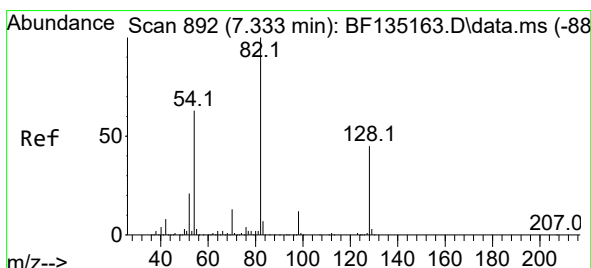
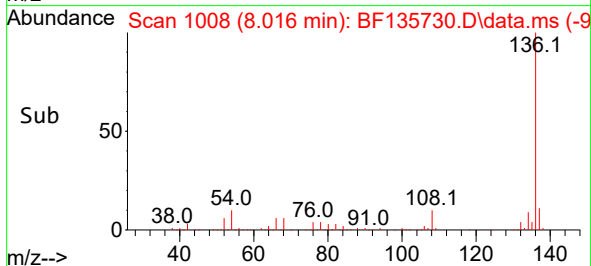
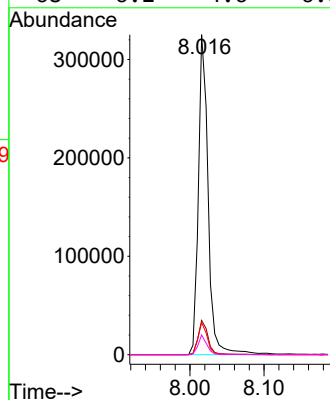
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.1 7.7 11.5

68 6.2 4.6 6.8



#23

Nitrobenzene-d5

Concen: 70.995 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

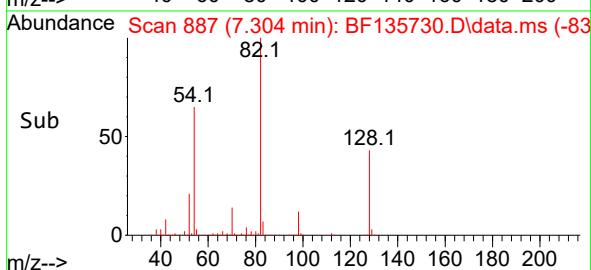
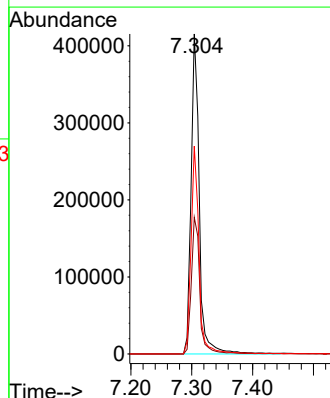
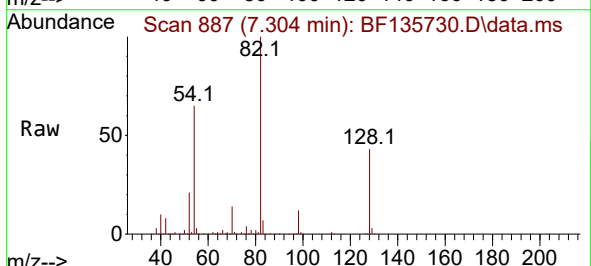
Tgt Ion: 82 Resp: 388919

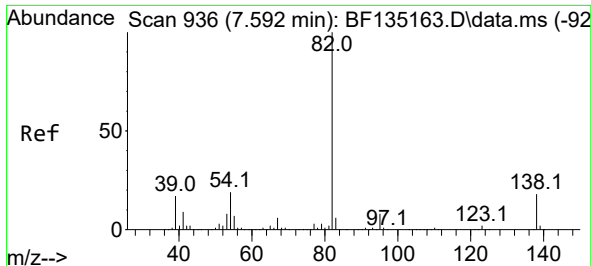
Ion Ratio Lower Upper

82 100

128 42.7 35.8 53.6

54 65.0 50.6 76.0

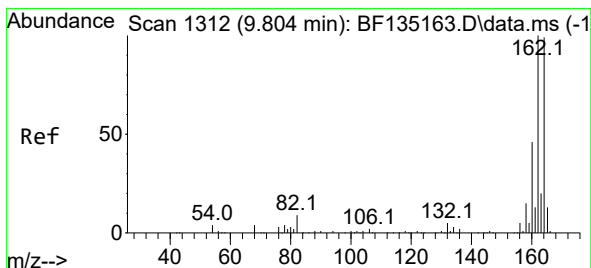
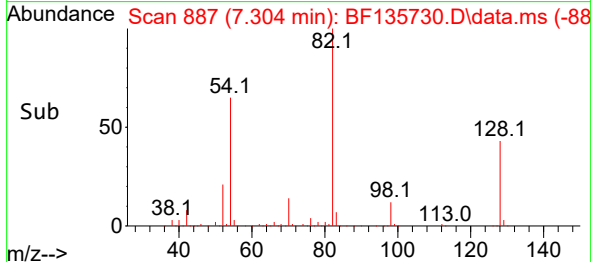
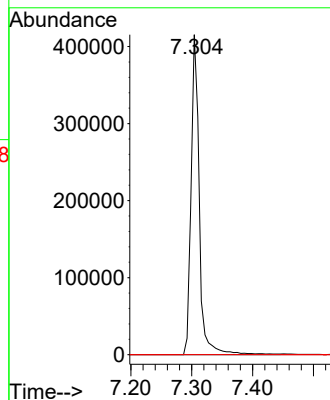
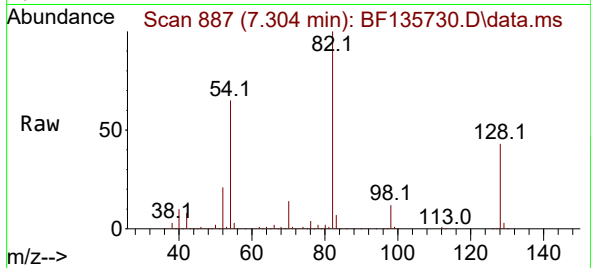




#25  
Isophorone  
Concen: 38.663 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

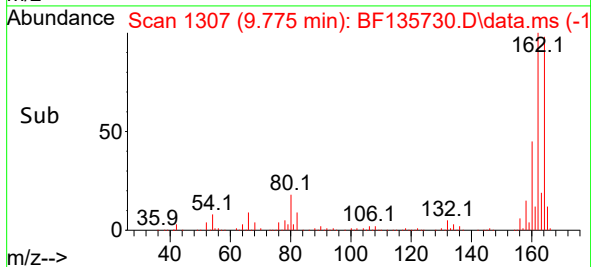
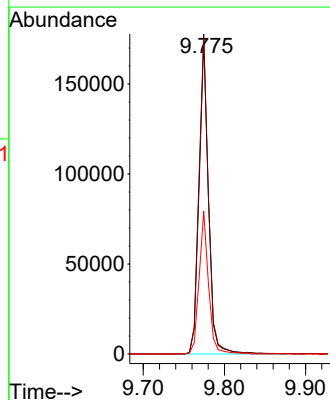
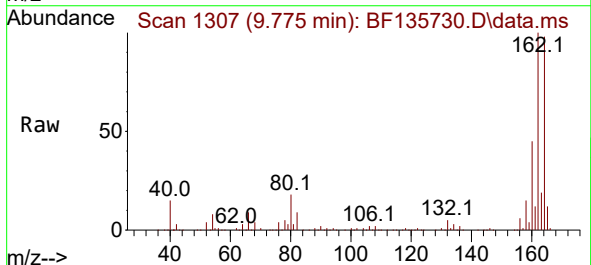
Instrument :  
BNA\_F  
ClientSampleId :  
PP-20230928-B13-0-7.5

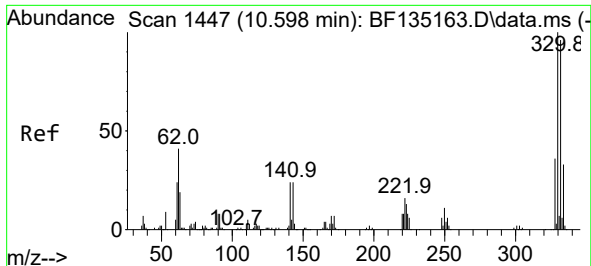
Tgt Ion: 82 Resp: 388919  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

Tgt Ion:164 Resp: 141369  
Ion Ratio Lower Upper  
164 100  
162 101.8 81.0 121.4  
160 45.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 85.514 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

Instrument :

BNA\_F

ClientSampleId :

PP-20230928-B13-0-7.5

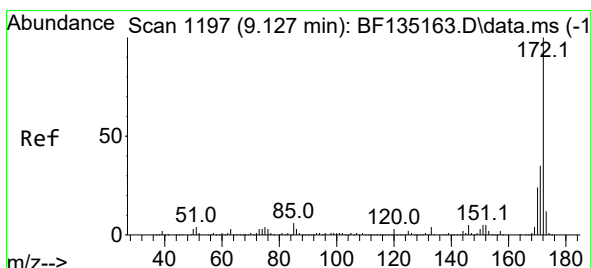
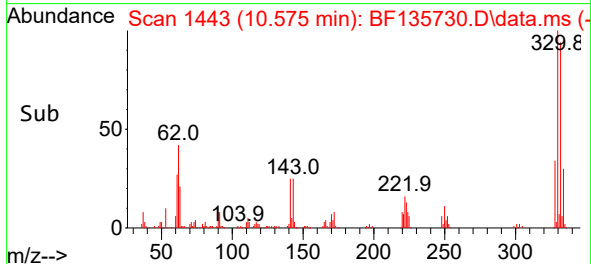
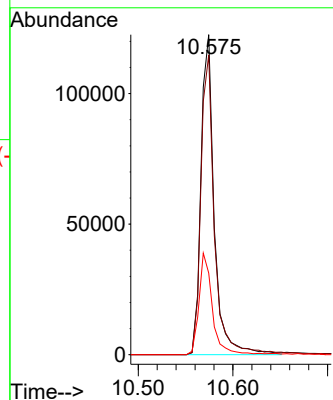
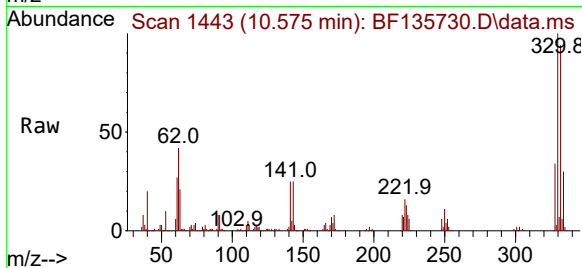
Tgt Ion:330 Resp: 120135

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 31.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 68.337 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

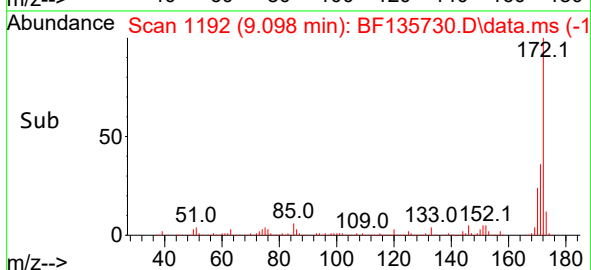
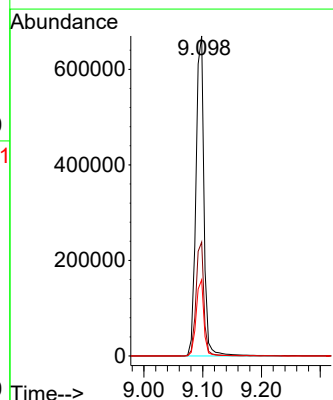
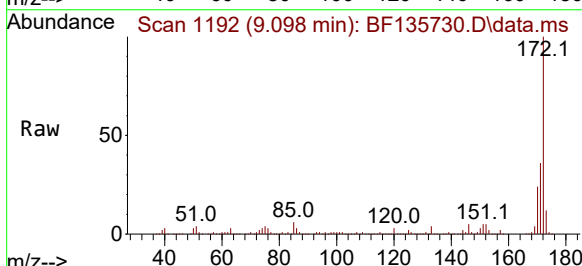
Tgt Ion:172 Resp: 640322

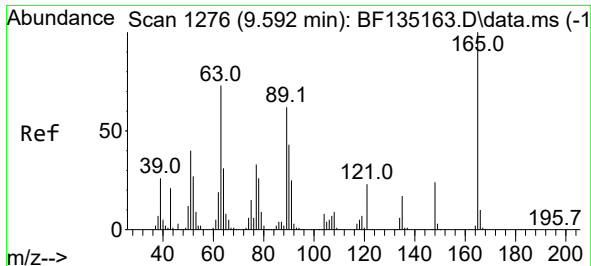
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.8 19.0 28.4

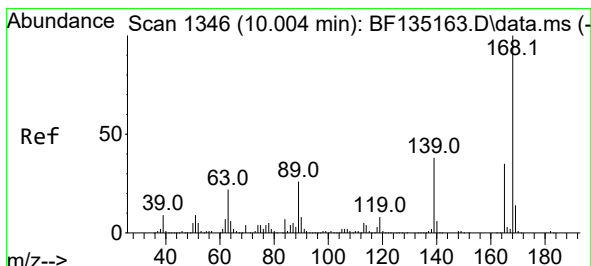
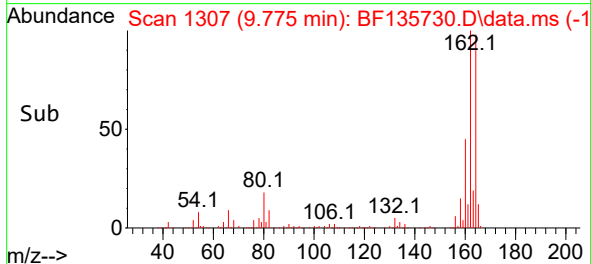
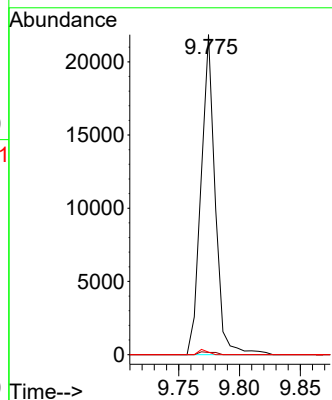
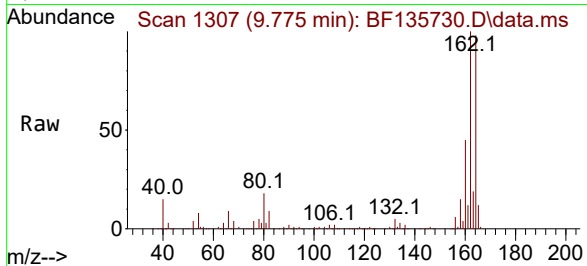




#51  
2,6-Dinitrotoluene  
Concen: 8.477 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. 0.194 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

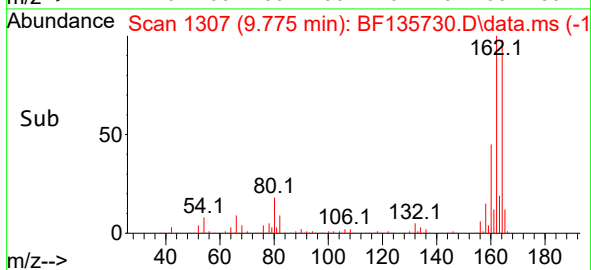
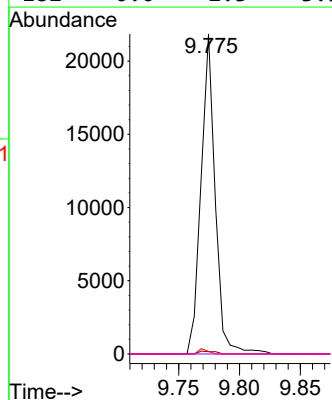
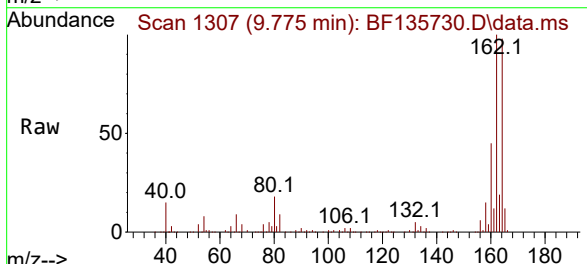
Instrument :  
BNA\_F  
ClientSampleId :  
PP-20230928-B13-0-7.5

Tgt Ion:165 Resp: 17749  
Ion Ratio Lower Upper  
165 100  
63 0.7 59.4 89.2#  
89 0.8 49.8 74.8#

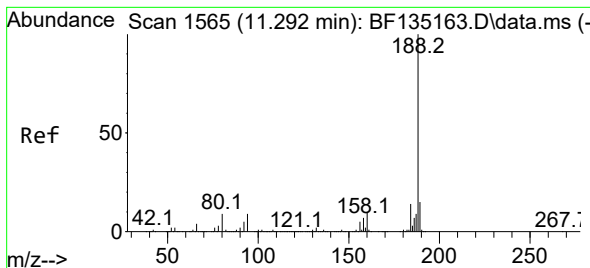


#57  
2,4-Dinitrotoluene  
Concen: 6.771 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.218 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

Tgt Ion:165 Resp: 17749  
Ion Ratio Lower Upper  
165 100  
63 0.7 50.1 75.1#  
89 0.8 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. -0.006 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

Instrument :

BNA\_F

ClientSampleId :

PP-20230928-B13-0-7.5

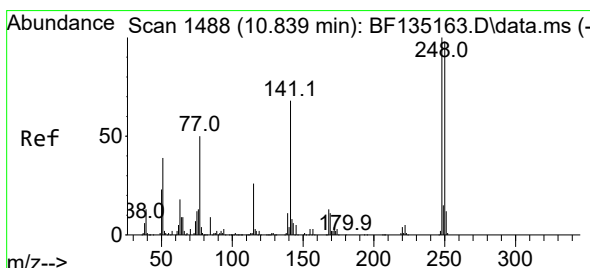
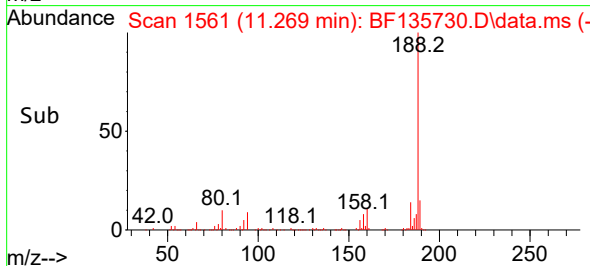
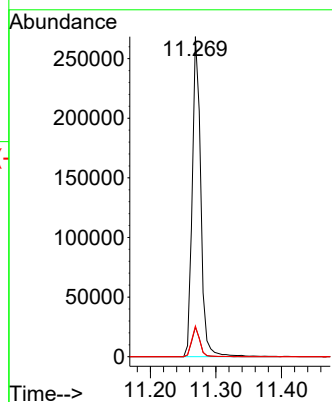
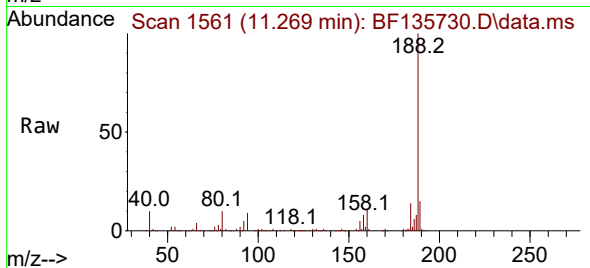
Tgt Ion:188 Resp: 240814

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 9.6 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.139 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135730.D

Acq: 12 Oct 2023 12:49

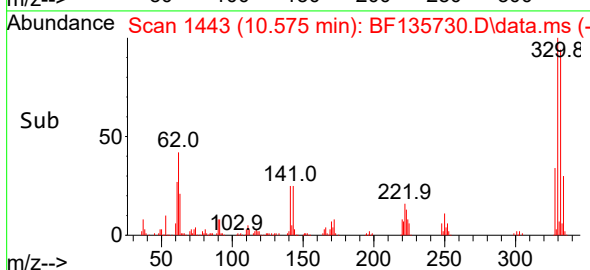
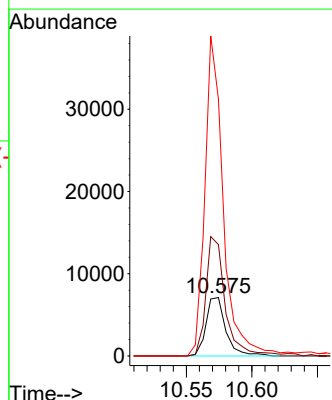
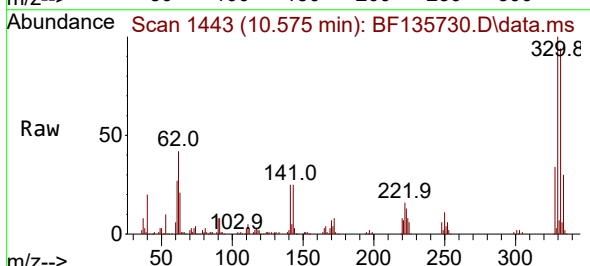
Tgt Ion:248 Resp: 7518

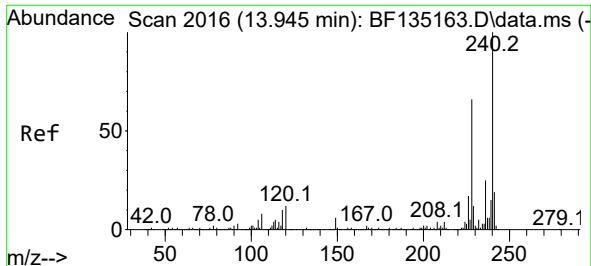
Ion Ratio Lower Upper

248 100

250 190.4 78.6 117.8#

141 439.1 54.2 81.2#

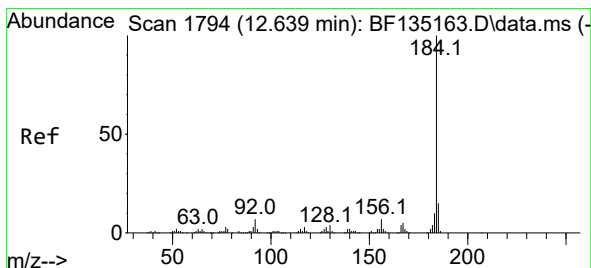
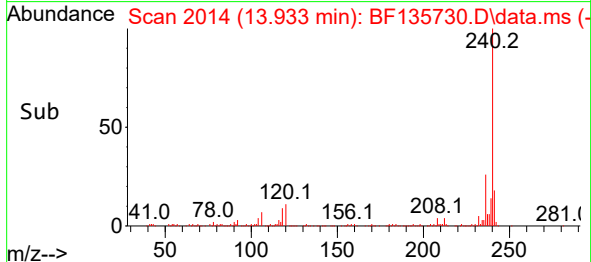
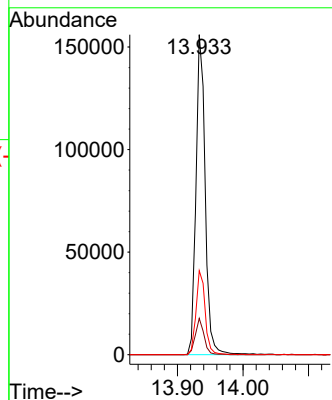
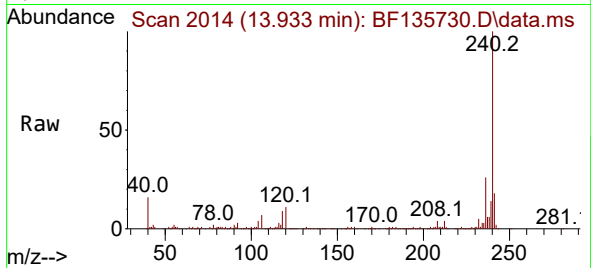




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.933 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

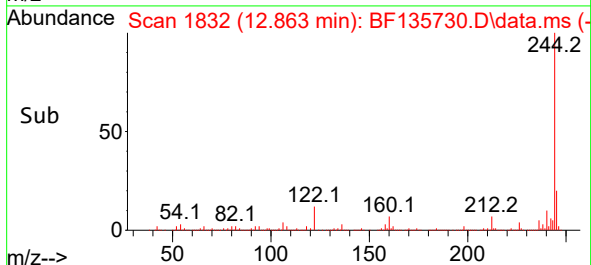
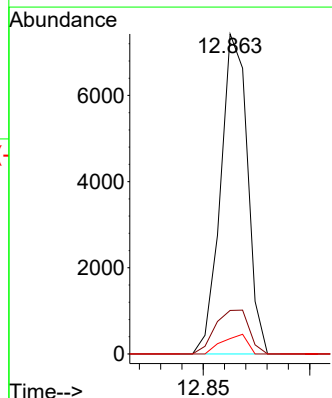
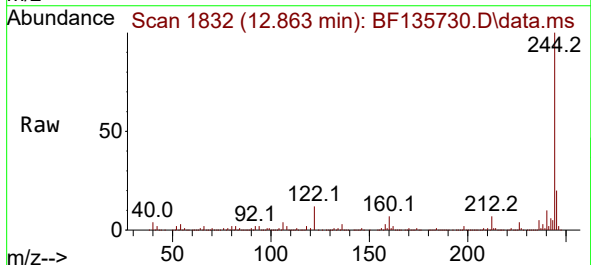
Instrument :  
BNA\_F  
ClientSampleId :  
PP-20230928-B13-0-7.5

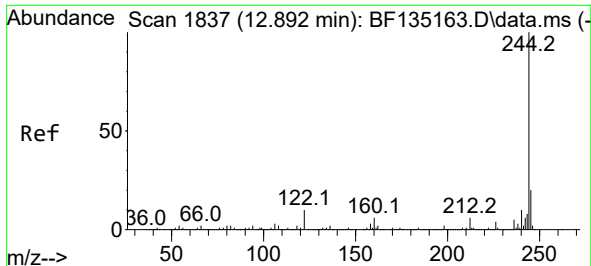
Tgt Ion:240 Resp: 152992  
Ion Ratio Lower Upper  
240 100  
120 11.4 9.4 14.2  
236 26.2 19.8 29.8



#77  
Benzidine  
Concen: 2.080 ng  
RT: 12.863 min Scan# 1832  
Delta R.T. 0.235 min  
Lab File: BF135730.D  
Acq: 12 Oct 2023 12:49

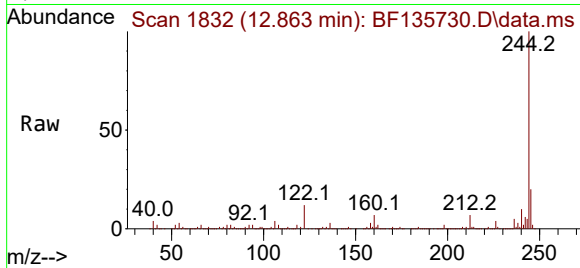
Tgt Ion:184 Resp: 6520  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.7 17.5  
183 4.8 8.2 12.4#



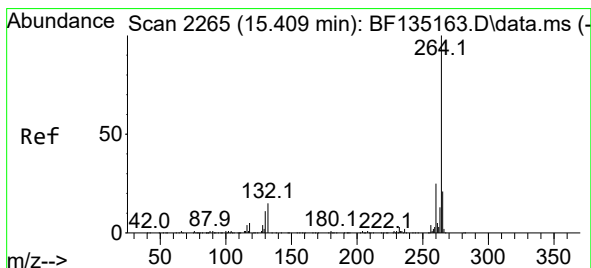
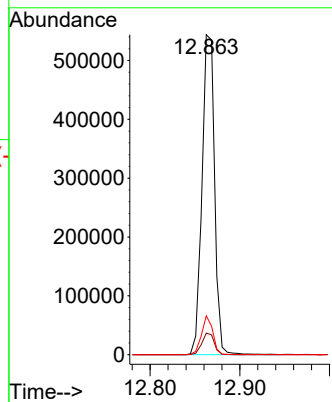
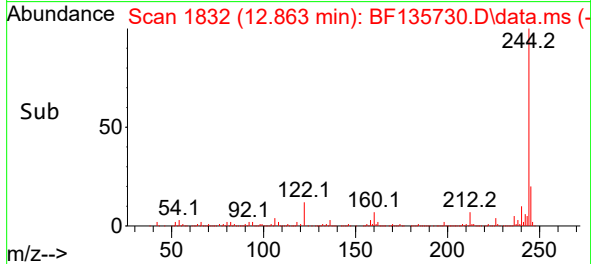


#79  
 Terphenyl-d14  
 Concen: 53.673 ng  
 RT: 12.863 min Scan# 1832  
 Delta R.T. -0.006 min  
 Lab File: BF135730.D  
 Acq: 12 Oct 2023 12:49

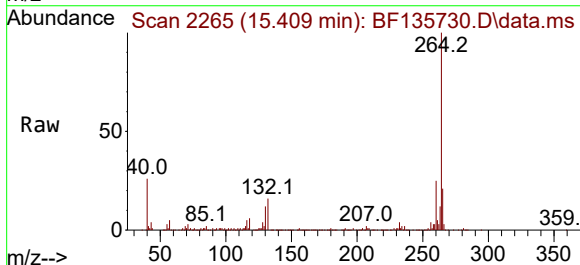
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PP-20230928-B13-0-7.5



Tgt Ion:244 Resp: 529707  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.1 7.7  
 122 12.2 7.9 11.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.409 min Scan# 2265  
 Delta R.T. 0.006 min  
 Lab File: BF135730.D  
 Acq: 12 Oct 2023 12:49



Tgt Ion:264 Resp: 145137  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.8 29.6  
 265 20.9 17.0 25.4

