

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082123\  
 Data File : BF134866.D  
 Acq On : 21 Aug 2023 14:18  
 Operator : CG\JU  
 Sample : 04086-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-PP14A

Quant Time: Aug 21 14:37:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 09:29:15 2023  
 Response via : Initial Calibration

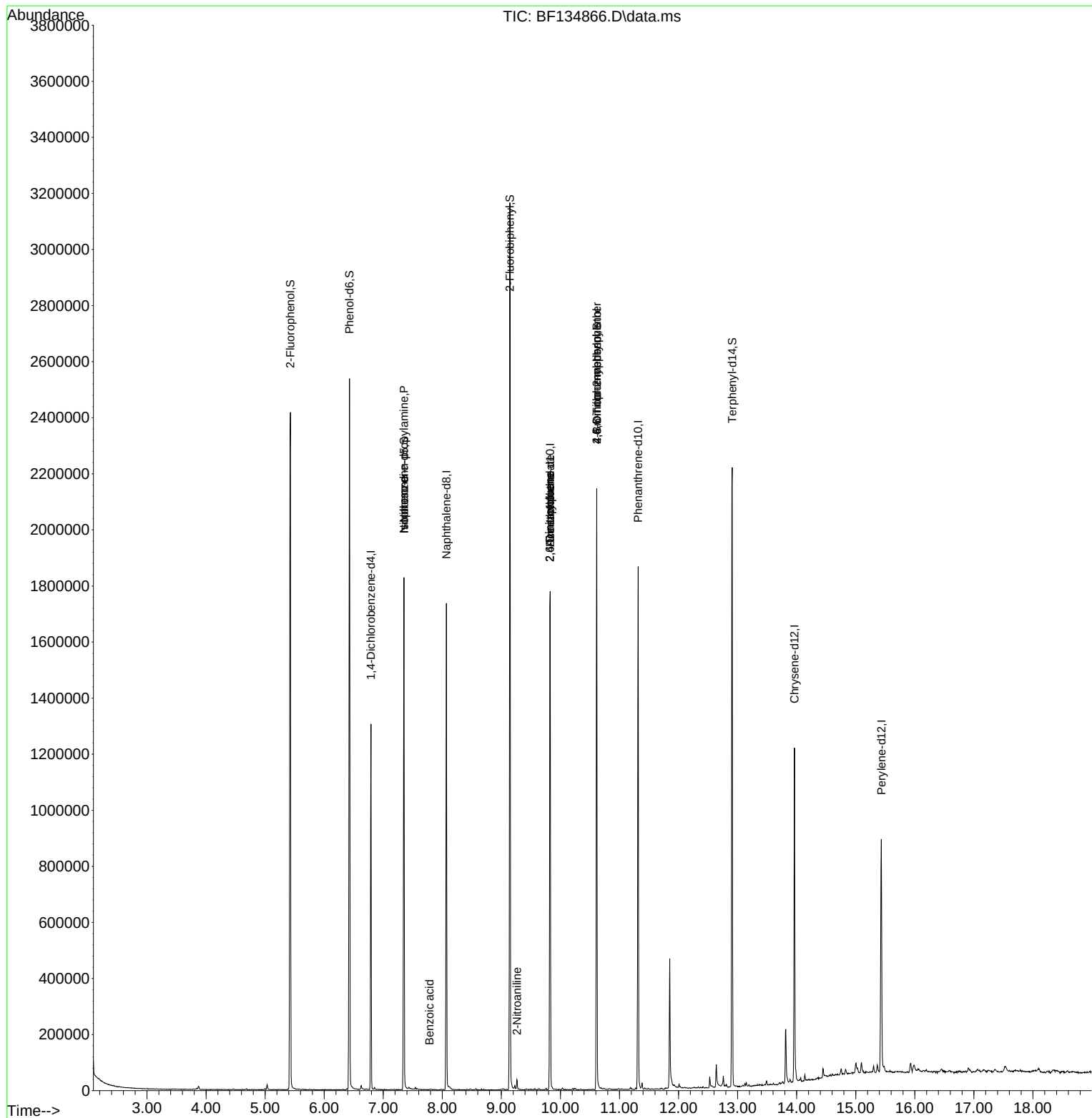
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 174728   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 723569   | 20.000    | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 380293   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 665037   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 382990   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 15.433 | 264  | 392870   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 688251   | 59.877    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 888117   | 60.443    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 549026   | 47.418    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 257776   | 66.493    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 941912   | 41.182    | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.910 | 244  | 826309   | 38.034    | ng    | -0.01    |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.351  | 77   | 130      | Below Cal | #     | 37       |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 73143    | 8.314     | ng    | # 71     |
| 25) Isophorone                | 7.351  | 82   | 540555   | 21.405    | ng    | # 65     |
| 32) Benzoic acid              | 7.786  | 122  | 80       | 7.876     | ng    | 97       |
| 48) 2-Nitroaniline            | 9.263  | 65   | 349      | 3.213     | ng    | # 8      |
| 50) Dimethylphthalate         | 9.828  | 163  | 81493    | 3.144     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 49503    | 11.332    | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 49503    | 10.110    | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198  | 607      | 8.884     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 16202    | 2.226     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

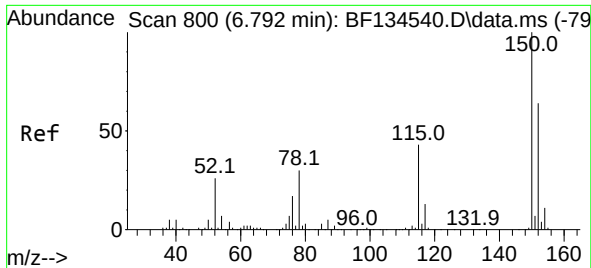
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082123\  
Data File : BF134866.D  
Acq On : 21 Aug 2023 14:18  
Operator : CG\JU  
Sample : 04086-11  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

Quant Time: Aug 21 14:37:18 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 04 09:29:15 2023  
Response via : Initial Calibration

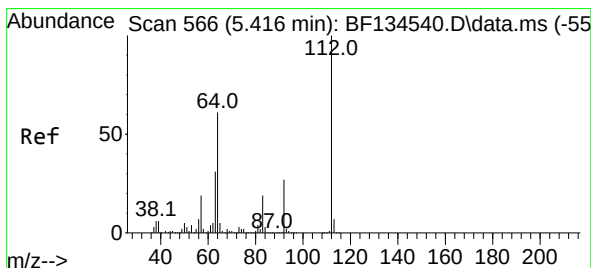
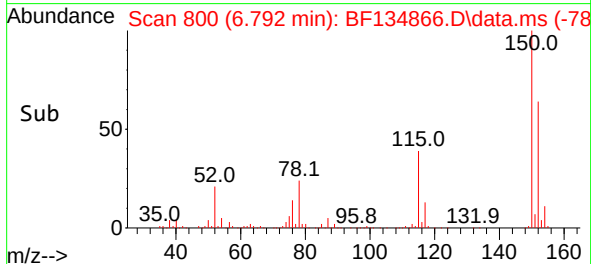
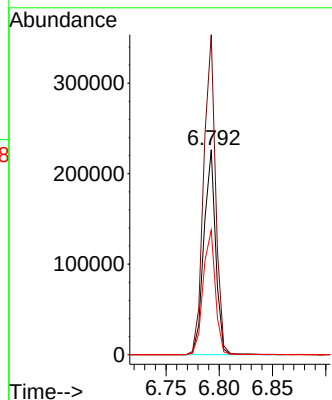
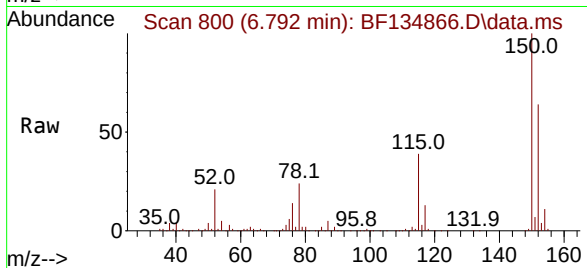




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

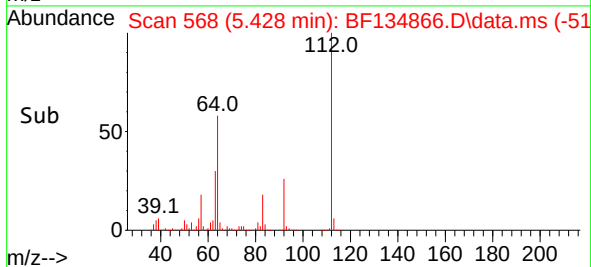
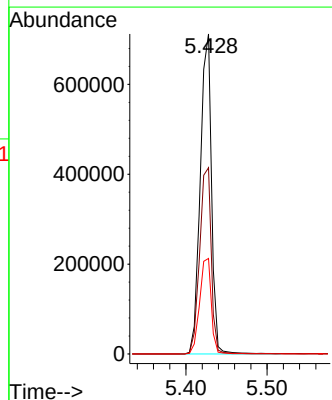
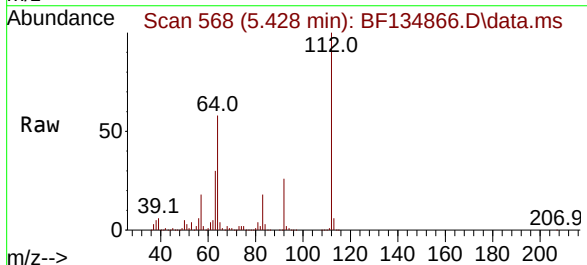
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

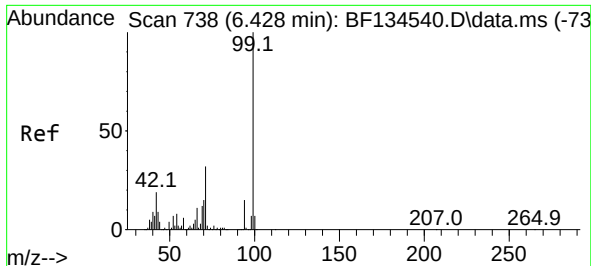
Tgt Ion:152 Resp: 174728  
Ion Ratio Lower Upper  
152 100  
150 156.2 128.3 192.5  
115 60.8 52.4 78.6



#5  
2-Fluorophenol  
Concen: 59.877 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion:112 Resp: 688251  
Ion Ratio Lower Upper  
112 100  
64 58.2 44.9 67.3  
63 29.9 25.4 38.0

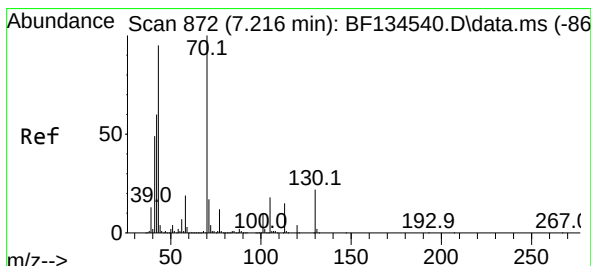
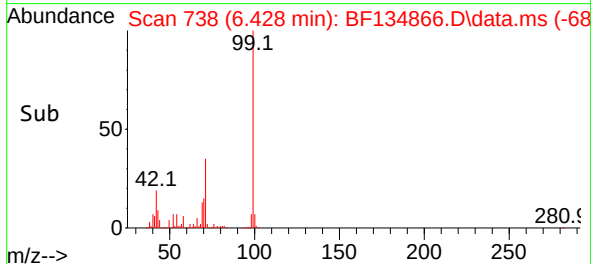
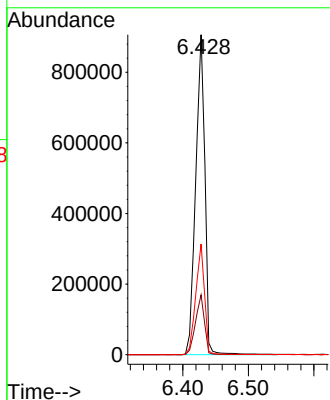
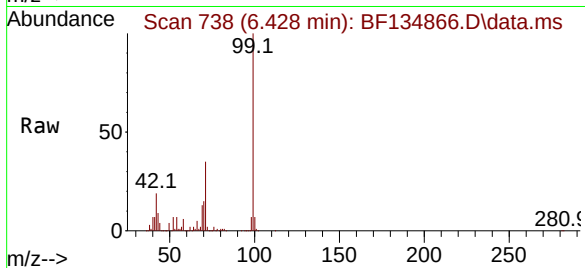




#7  
Phenol-d6  
Concen: 60.443 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

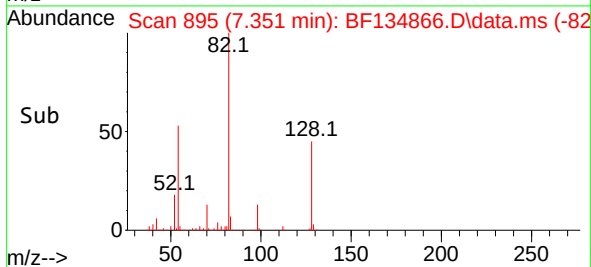
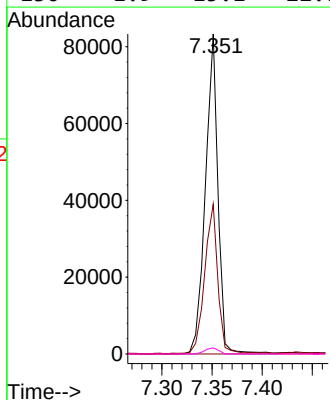
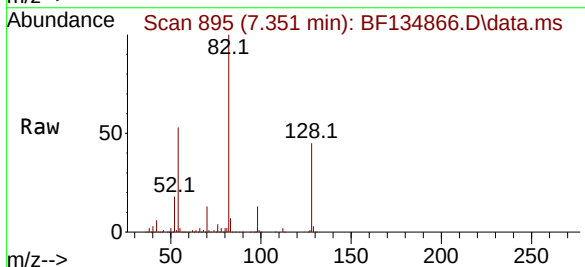
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

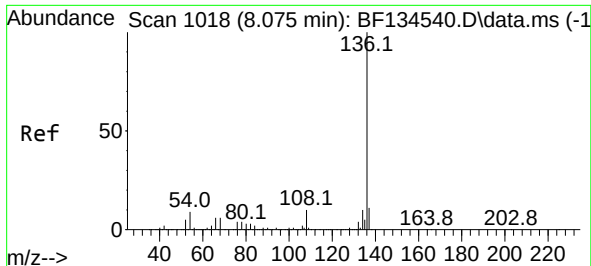
Tgt Ion: 99 Resp: 888117  
Ion Ratio Lower Upper  
99 100  
42 18.7 18.7 28.1#  
71 34.6 36.4 54.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.314 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.129 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

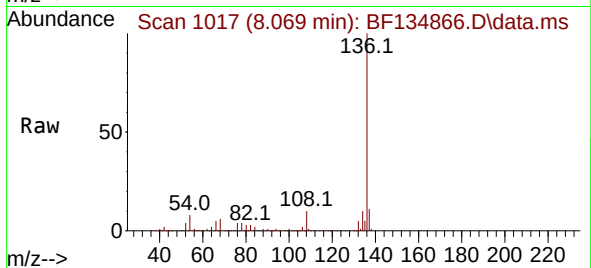
Tgt Ion: 70 Resp: 73143  
Ion Ratio Lower Upper  
70 100  
42 46.8 54.7 82.1#  
101 0.0 8.2 12.2#  
130 1.9 15.1 22.7#



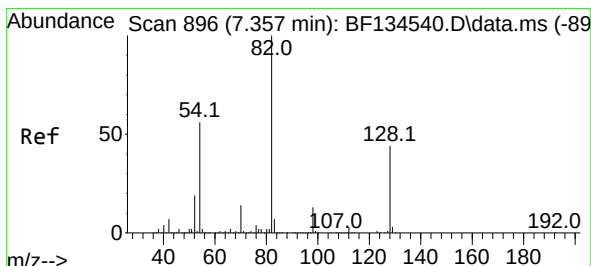
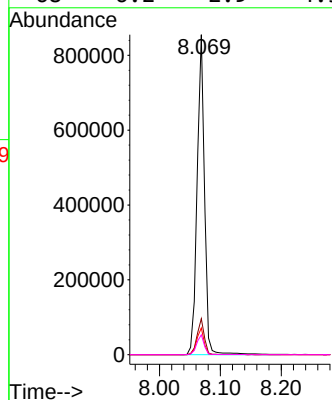
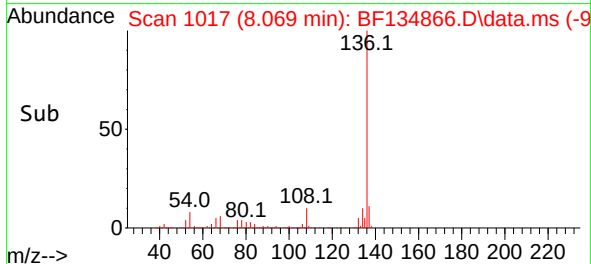


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

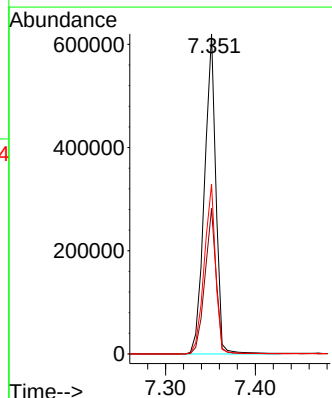
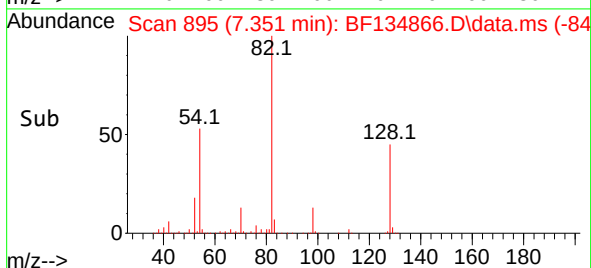
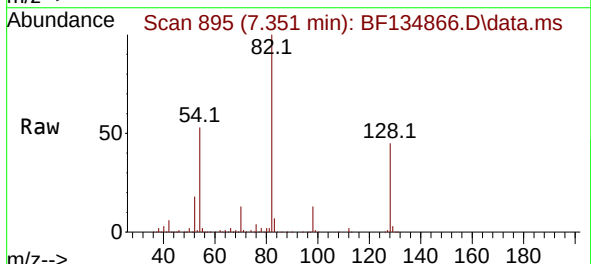


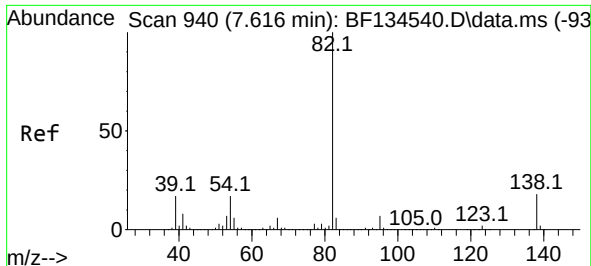
Tgt Ion:136 Resp: 723569  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.4 12.6  
54 8.3 5.2 7.8#  
68 6.2 2.9 4.3#



#23  
Nitrobenzene-d5  
Concen: 47.418 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.018 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion: 82 Resp: 549026  
Ion Ratio Lower Upper  
82 100  
128 45.5 34.3 51.5  
54 53.0 43.8 65.6

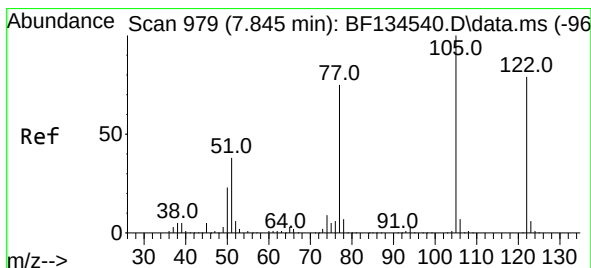
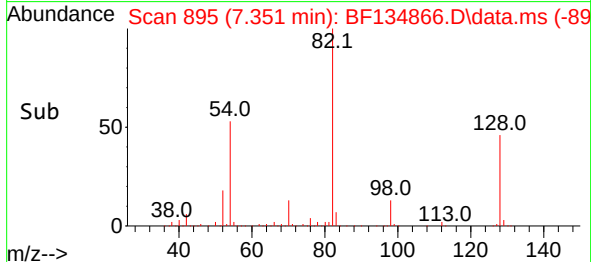
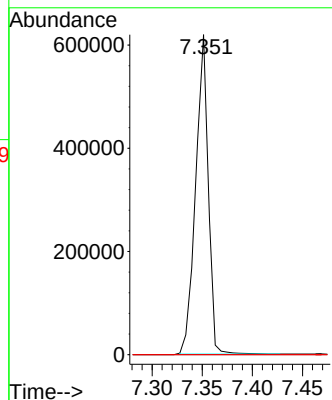
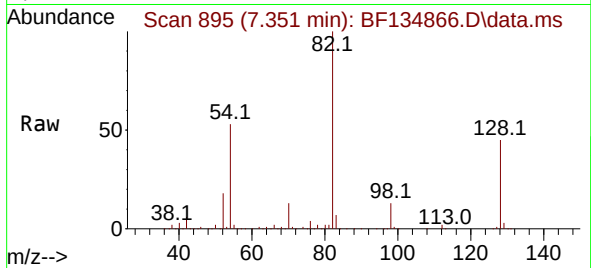




#25  
Isophorone  
Concen: 21.405 ng  
RT: 7.351 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

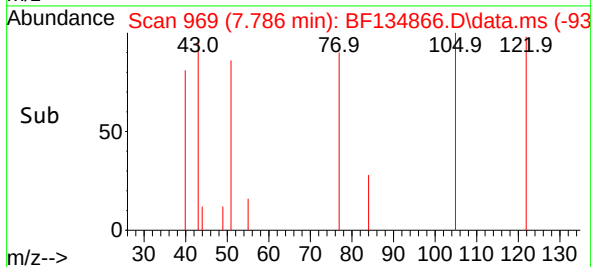
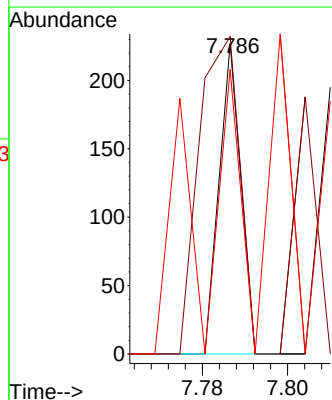
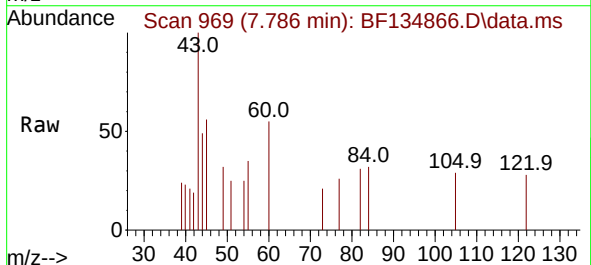
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

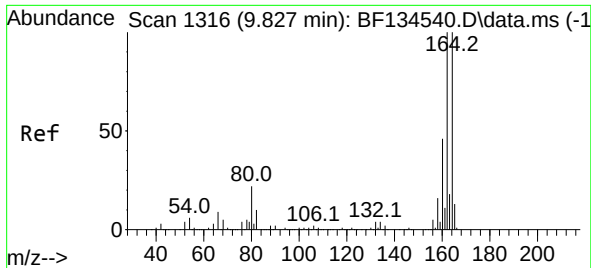
Tgt Ion: 82 Resp: 540555  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.6 22.0#



#32  
Benzoic acid  
Concen: 7.876 ng  
RT: 7.786 min Scan# 969  
Delta R.T. -0.076 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion: 122 Resp: 80  
Ion Ratio Lower Upper  
122 100  
105 102.2 87.5 127.5  
77 91.6 71.4 111.4

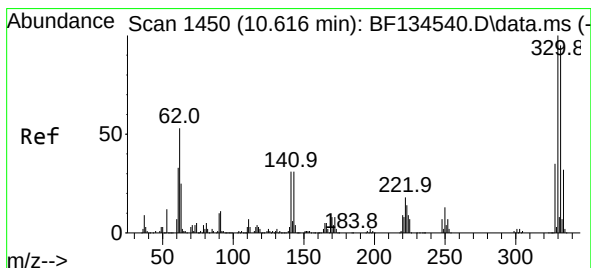
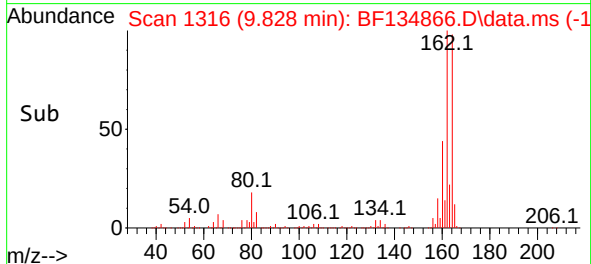
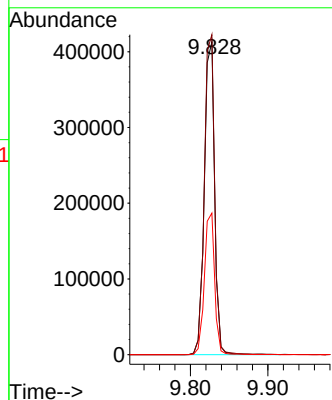
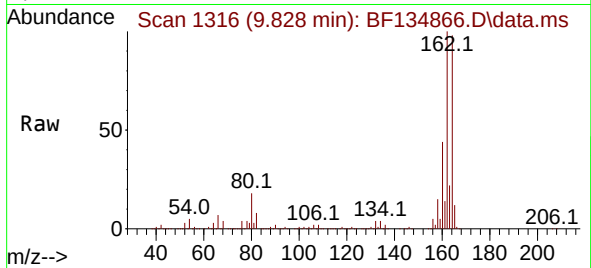




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

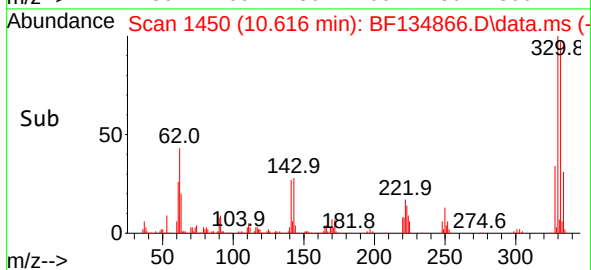
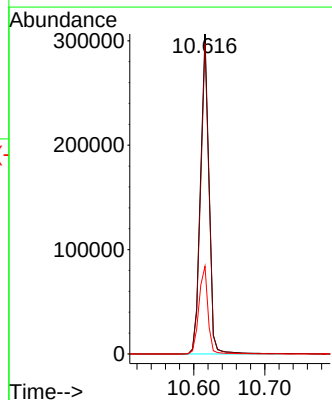
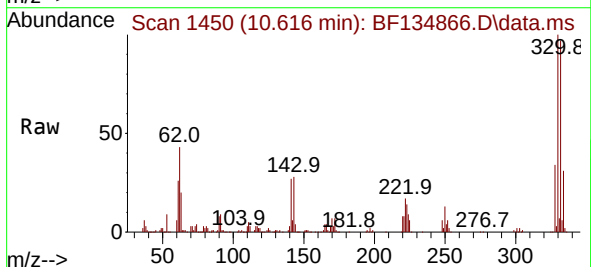
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

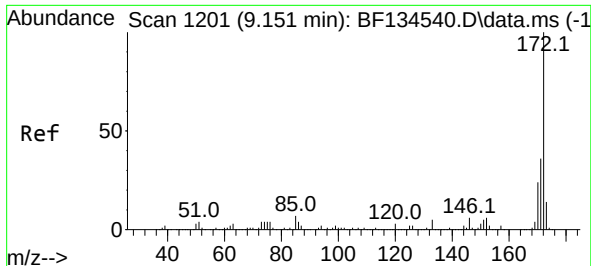
Tgt Ion:164 Resp: 380293  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.6 123.8  
160 45.2 37.2 55.8



#42  
2,4,6-Tribromophenol  
Concen: 66.493 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.012 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion:330 Resp: 257776  
Ion Ratio Lower Upper  
330 100  
332 96.2 78.8 118.2  
141 28.9 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 41.182 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

B-PP14A

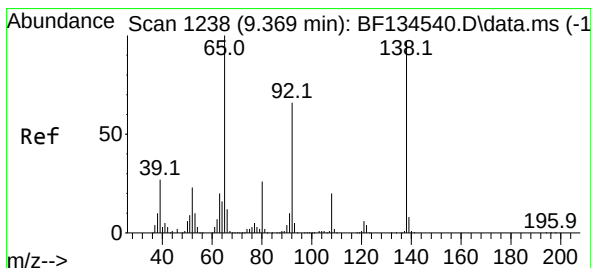
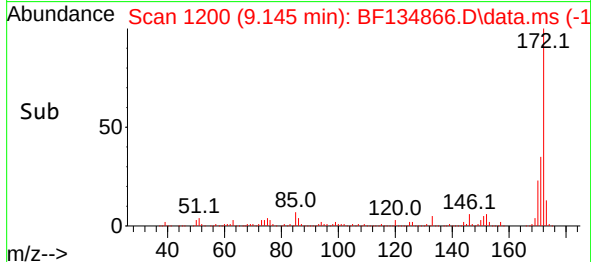
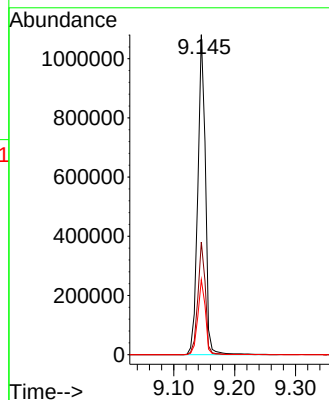
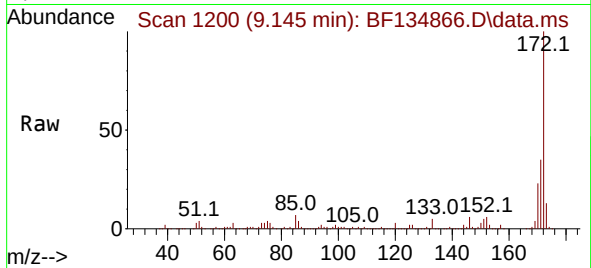
Tgt Ion:172 Resp: 941912

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.213 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.118 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

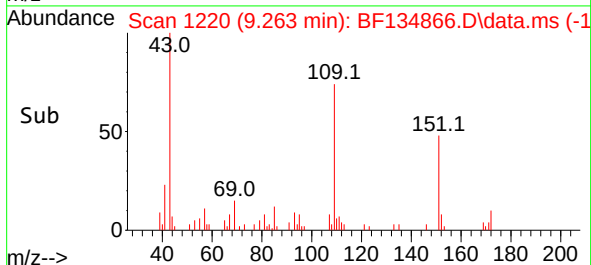
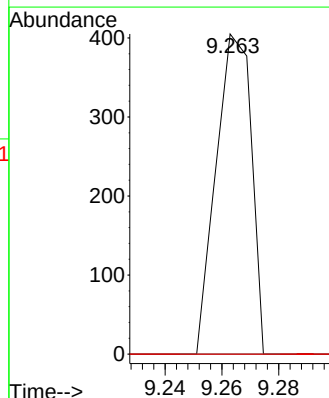
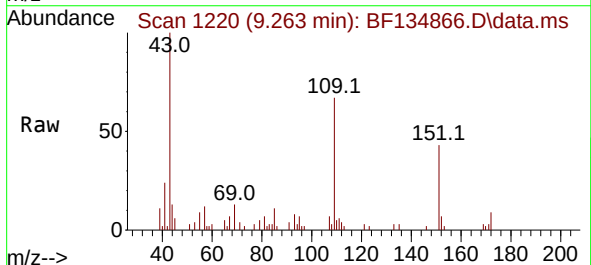
Tgt Ion: 65 Resp: 349

Ion Ratio Lower Upper

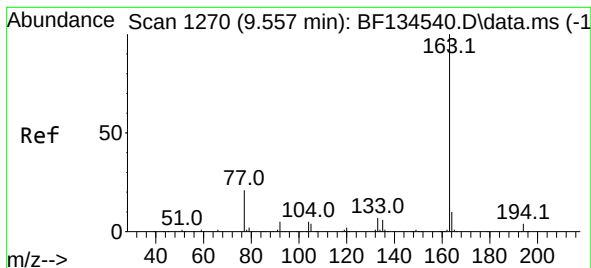
65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#







#50

Dimethylphthalate

Concen: 3.144 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.259 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

B-PP14A

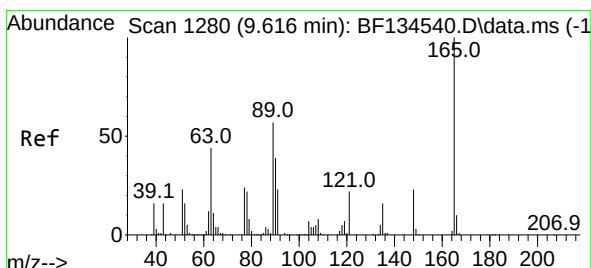
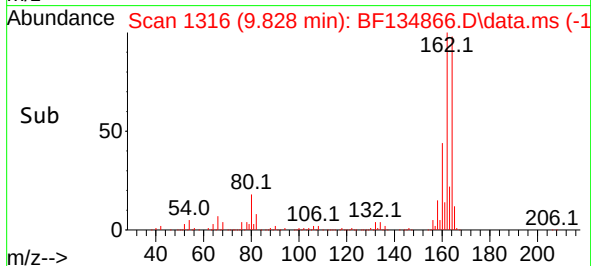
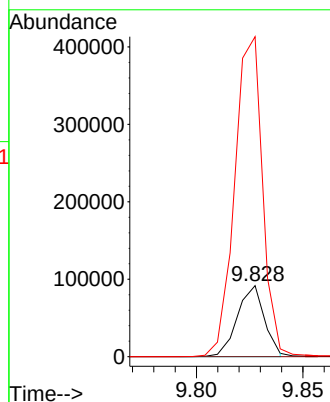
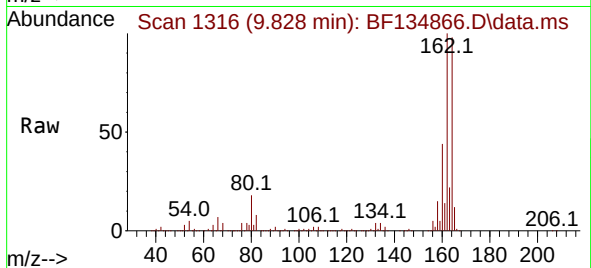
Tgt Ion:163 Resp: 81493

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 450.1 7.5 11.3#



#51

2,6-Dinitrotoluene

Concen: 11.332 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.194 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

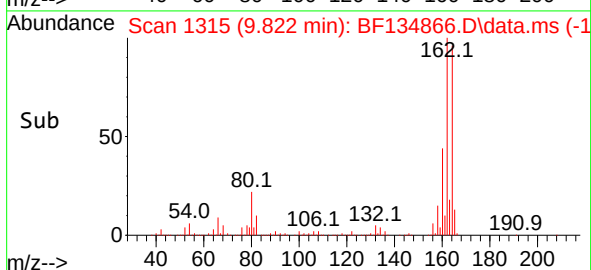
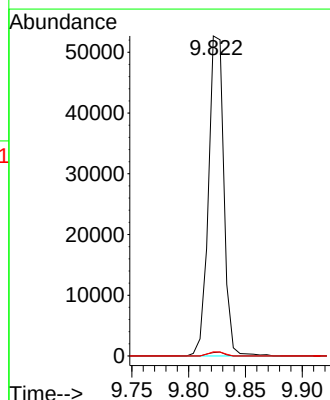
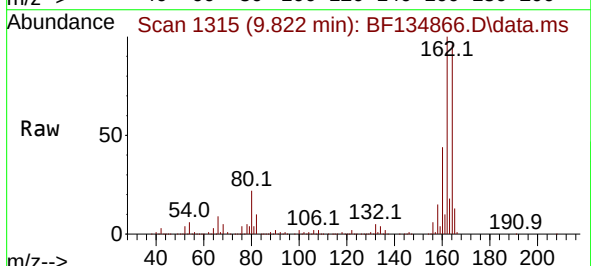
Tgt Ion:165 Resp: 49503

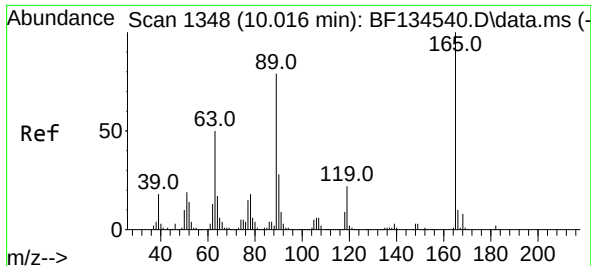
Ion Ratio Lower Upper

165 100

63 1.0 57.8 86.6#

89 1.3 51.8 77.8#

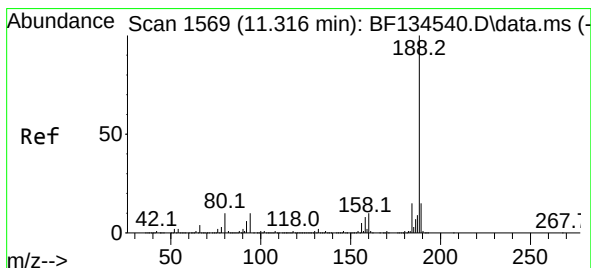
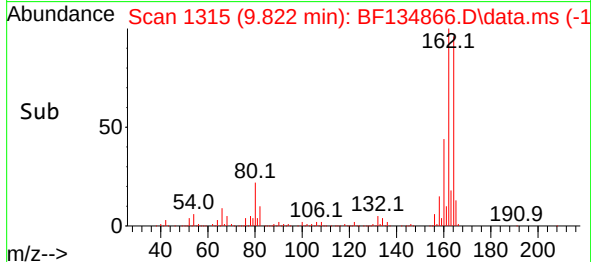
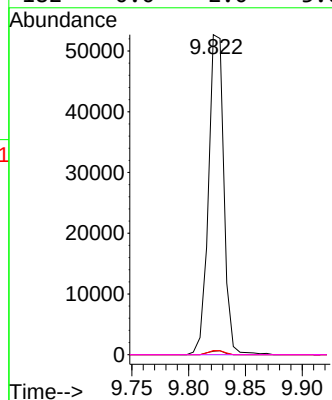
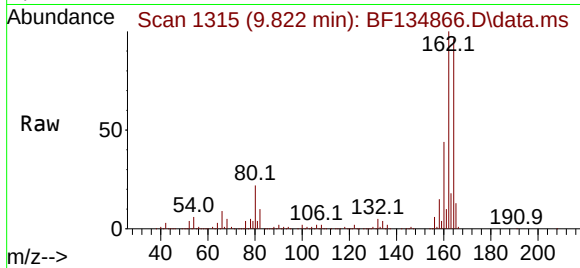




#57  
2,4-Dinitrotoluene  
Concen: 10.110 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

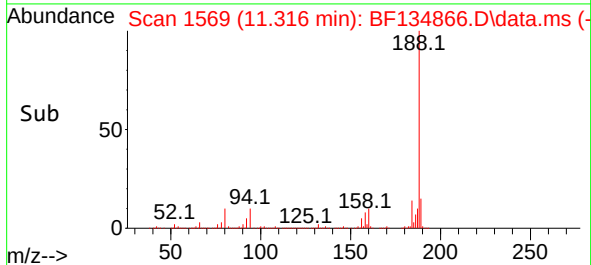
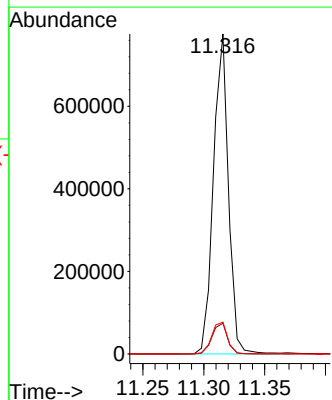
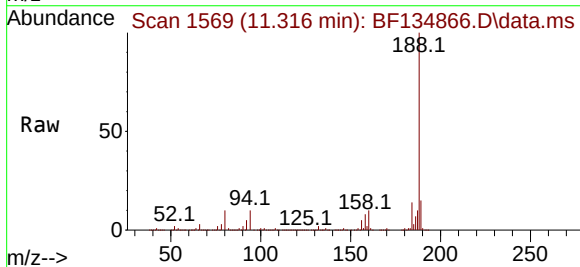
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

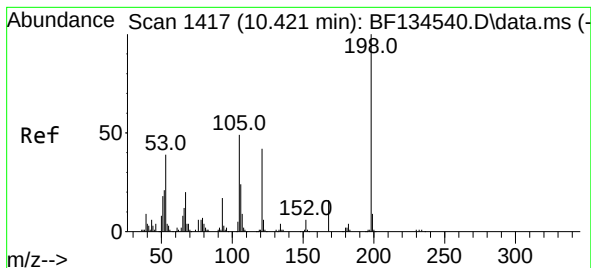
Tgt Ion:165 Resp: 49503  
Ion Ratio Lower Upper  
165 100  
63 1.0 48.9 73.3#  
89 1.3 61.7 92.5#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion:188 Resp: 665037  
Ion Ratio Lower Upper  
188 100  
94 9.6 5.1 7.7#  
80 10.0 6.6 9.8#

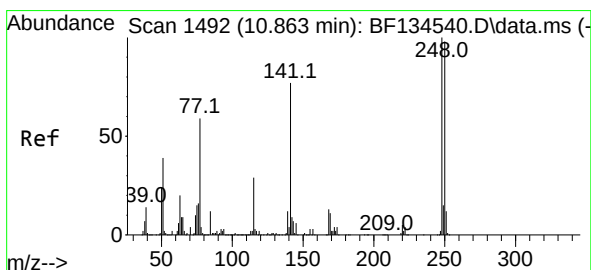
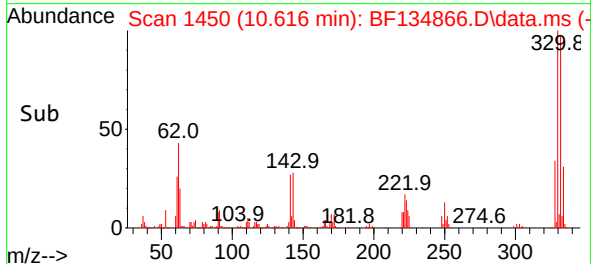
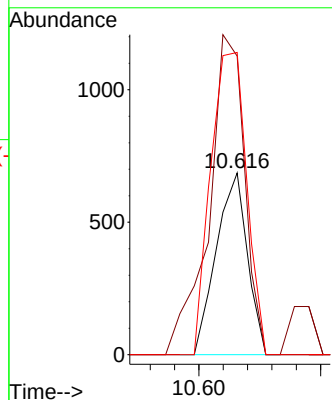
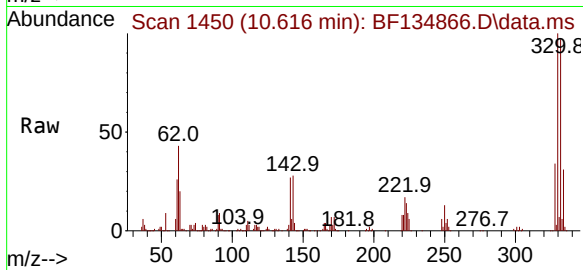




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.884 ng  
RT: 10.616 min Scan# 1417  
Delta R.T. 0.176 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

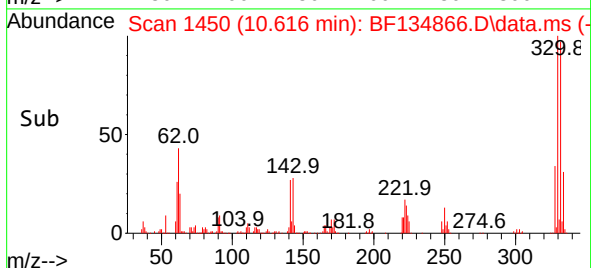
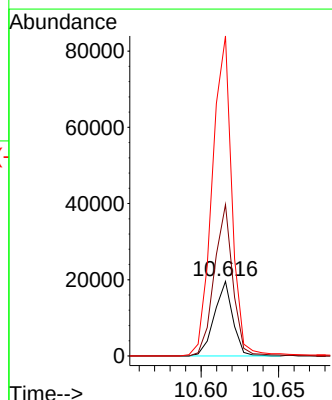
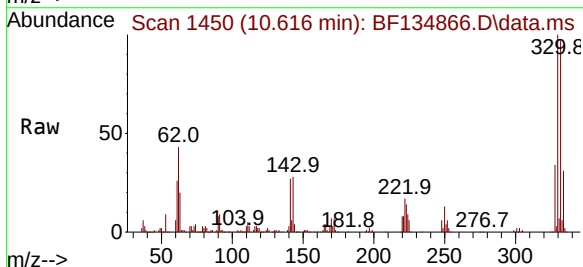
Instrument :  
BNA\_F  
ClientSampleId :  
B-PP14A

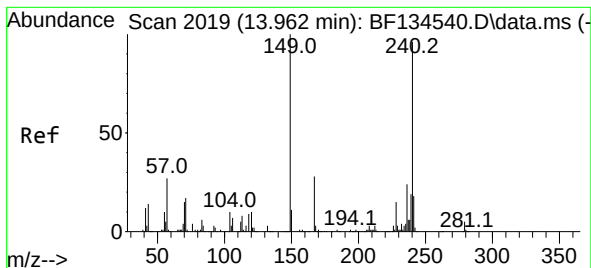
Tgt Ion:198 Resp: 607  
Ion Ratio Lower Upper  
198 100  
51 164.3 38.6 78.6#  
105 166.3 27.9 67.9#



#67  
4-Bromophenyl-phenylether  
Concen: 2.226 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.253 min  
Lab File: BF134866.D  
Acq: 21 Aug 2023 14:18

Tgt Ion:248 Resp: 16202  
Ion Ratio Lower Upper  
248 100  
250 202.9 79.6 119.4#  
141 429.0 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

B-PP14A

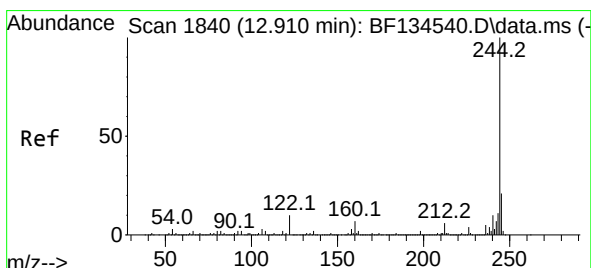
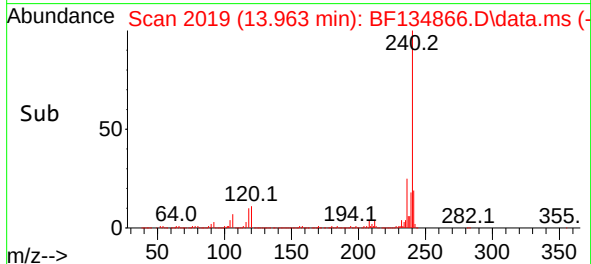
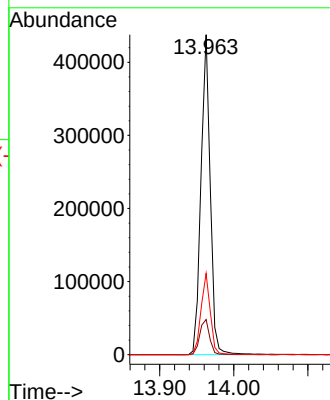
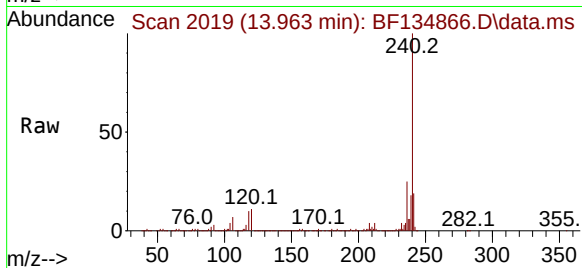
Tgt Ion:240 Resp: 382990

Ion Ratio Lower Upper

240 100

120 11.0 6.6 10.0#

236 25.4 20.2 30.2



#79

Terphenyl-d14

Concen: 38.034 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134866.D

Acq: 21 Aug 2023 14:18

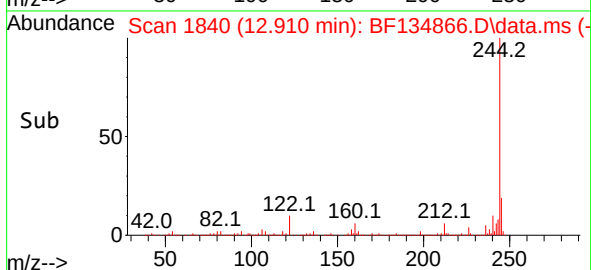
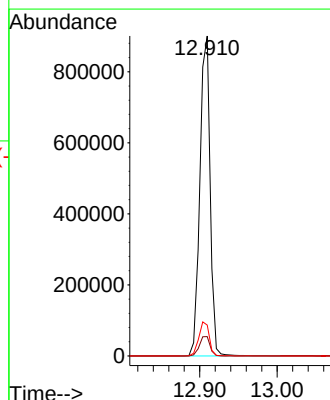
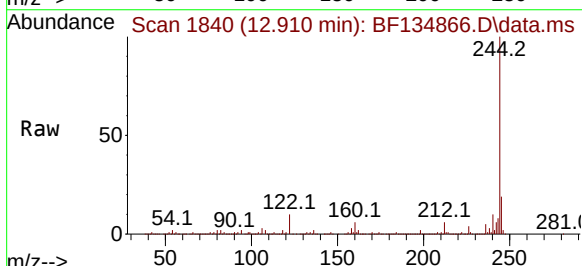
Tgt Ion:244 Resp: 826309

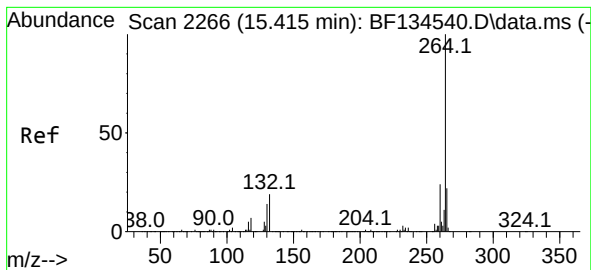
Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 9.7 8.0 12.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.433 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF134866.D  
 Acq: 21 Aug 2023 14:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-PP14A

Tgt Ion:264 Resp: 392870  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.4 27.6  
 265 21.5 15.8 23.8

