

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022724\  
 Data File : BF137413.D  
 Acq On : 27 Feb 2024 19:13  
 Operator : CG\JU  
 Sample : P1539-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20241105-AMENDED-COMPOSITE-35N-N-4-04

Quant Time: Feb 28 05:23:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 24 04:23:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 198058   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.063  | 136  | 778816   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 430593   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 675492   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 13.962 | 240  | 422210   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.445 | 264  | 423482   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 684913   | 53.360  | ng    | -0.02    |
| 7) Phenol-d6                  | 6.416  | 99   | 558619   | 29.585  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 1351943  | 86.664  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 423950   | 113.065 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 2157710  | 78.014  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.910 | 244  | 2210274  | 73.221  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.263  | 42   | 1566     | 5.314   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 173410   | 14.904  | ng    | # 82     |
| 25) Isophorone                | 7.345  | 82   | 1342627  | 41.618  | ng    | # 69     |
| 26) 2-Nitrophenol             | 7.592  | 139  | 339      | 2.955   | ng    | # 24     |
| 32) Benzoic acid              | 7.863  | 122  | 1217     | 7.094   | ng    | # 70     |
| 48) 2-Nitroaniline            | 9.357  | 65   | 348      | 4.287   | ng    | # 33     |
| 50) Dimethylphthalate         | 9.816  | 163  | 68434    | 2.300   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 55365    | 10.002  | ng    | # 26     |
| 53) 3-Nitroaniline            | 9.786  | 138  | 56       | 2.369   | ng    | # 1      |
| 56) 4-Nitrophenol             | 9.951  | 139  | 222      | 4.883   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 55365    | 8.799   | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 1156     | 4.823   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 29940    | 4.123   | ng    | # 1      |
| 77) Benzidine                 | 12.910 | 184  | 28143    | 10.274  | ng    | # 92     |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 323      | 4.052   | ng    | # 78     |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 165      | 5.055   | ng    | # 27     |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 2181     | 4.421   | ng    | # 83     |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 231      | 6.020   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022724\  
Data File : BF137413.D  
Acq On : 27 Feb 2024 19:13  
Operator : CG\JU  
Sample : P1539-04  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

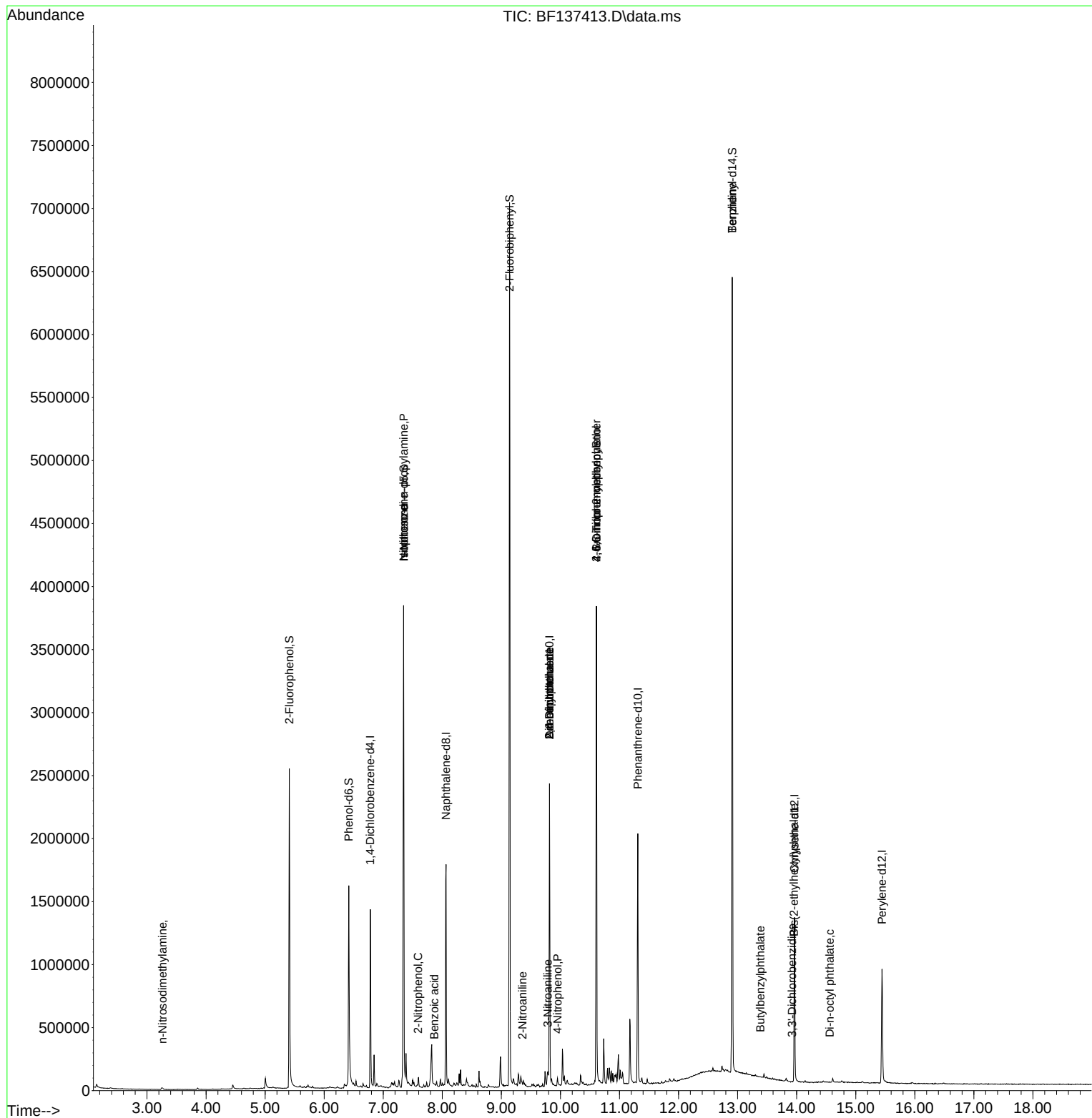
Instrument :

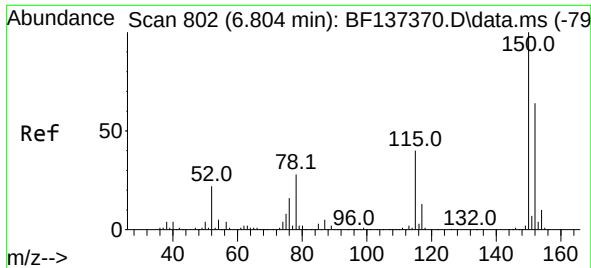
BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

Quant Time: Feb 28 05:23:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Feb 24 04:23:49 2024  
Response via : Initial Calibration





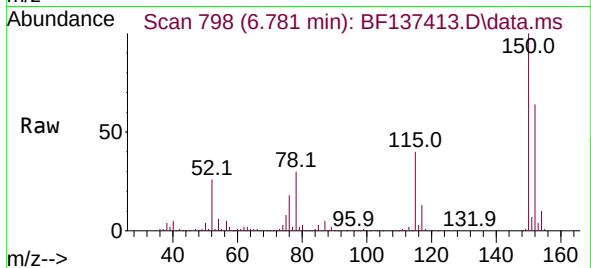
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.023 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Instrument :

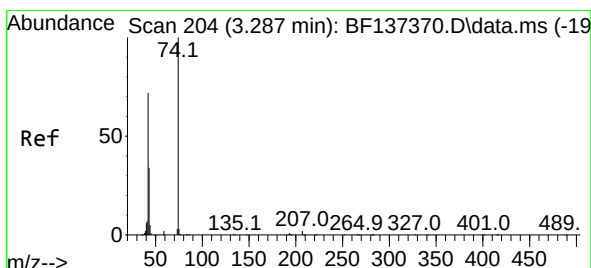
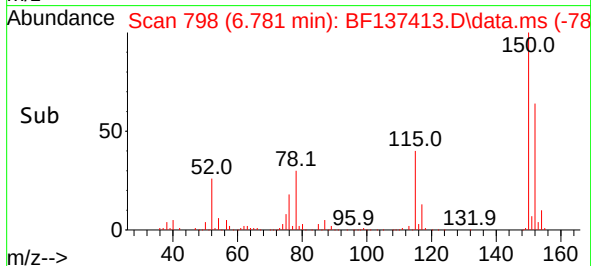
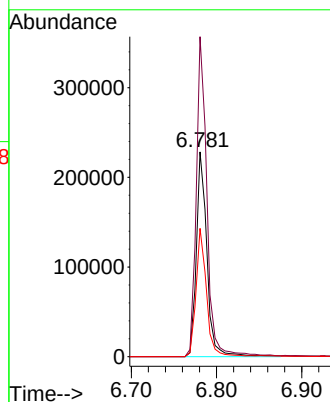
BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

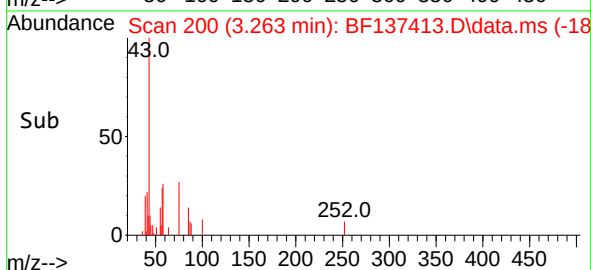
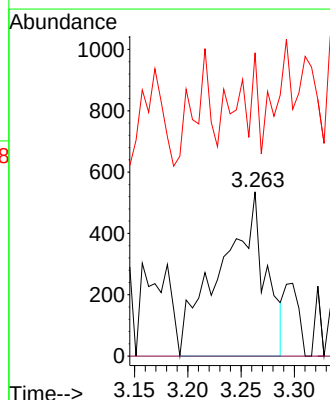
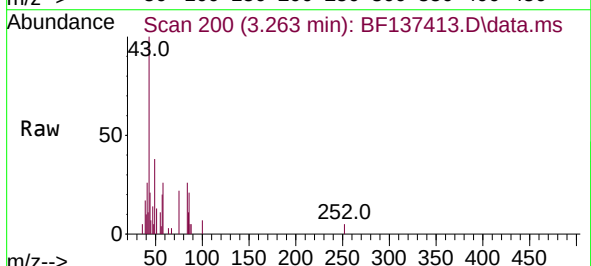


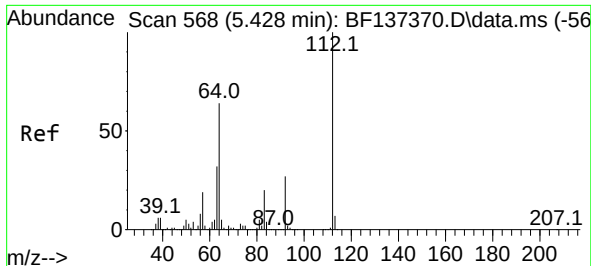
Tgt Ion:152 Resp: 198058  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.7 188.5  
115 62.7 49.8 74.8



#4  
n-Nitrosodimethylamine  
Concen: 5.314 ng  
RT: 3.263 min Scan# 200  
Delta R.T. -0.024 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion: 42 Resp: 1566  
Ion Ratio Lower Upper  
42 100  
74 0.0 110.8 166.2#  
44 184.5 6.0 9.0#





#5  
2-Fluorophenol  
Concen: 53.360 ng  
RT: 5.410 min Scan# 50  
Delta R.T. -0.018 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

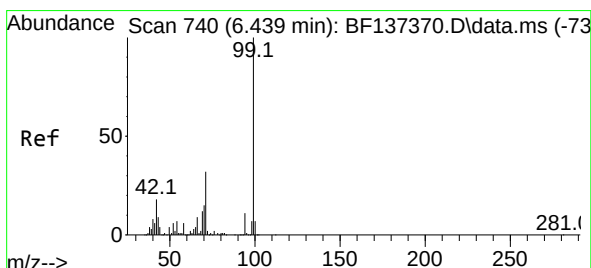
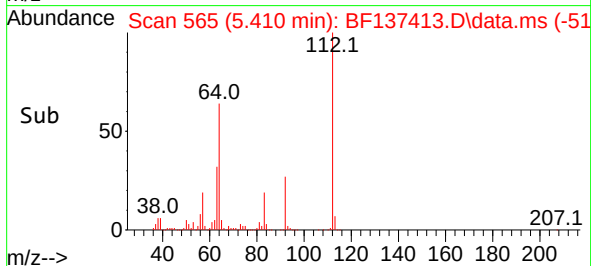
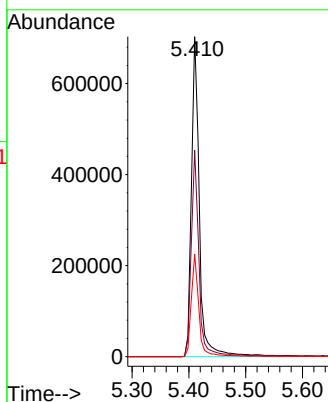
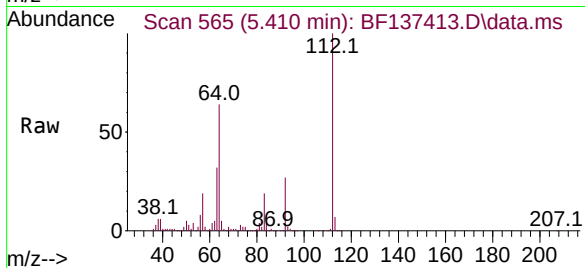
Instrument :

BNA\_F

ClientSampleId :

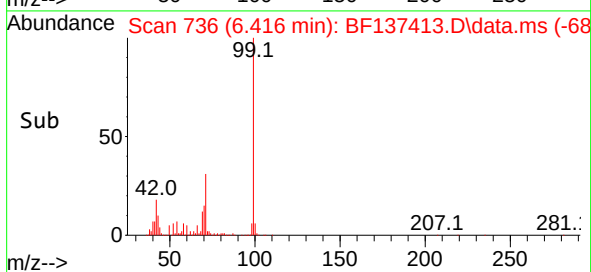
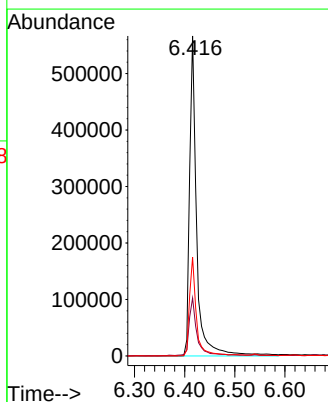
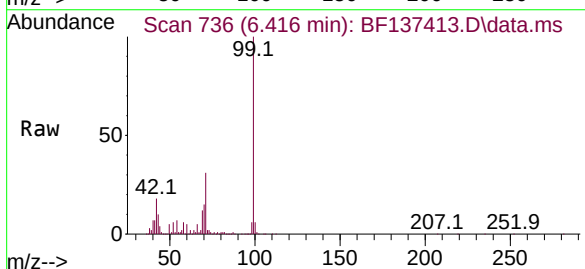
20241105-AMENDED-COMPOSITE-35N-N-4-04

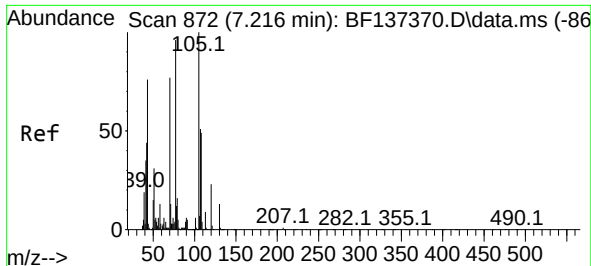
Tgt Ion:112 Resp: 684913  
Ion Ratio Lower Upper  
112 100  
64 64.5 51.0 76.6  
63 32.1 25.7 38.5



#7  
Phenol-d6  
Concen: 29.585 ng  
RT: 6.416 min Scan# 736  
Delta R.T. -0.024 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion: 99 Resp: 558619  
Ion Ratio Lower Upper  
99 100  
42 18.1 14.2 21.4  
71 30.9 25.2 37.8





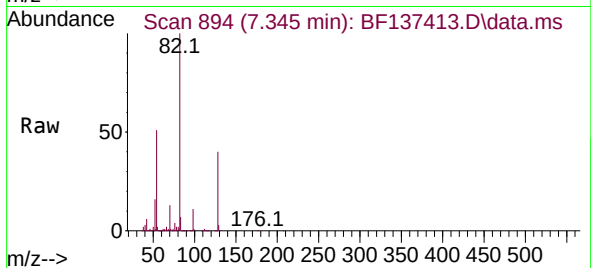
#19  
n-Nitroso-di-n-propylamine  
Concen: 14.904 ng  
RT: 7.345 min Scan# 89  
Delta R.T. 0.129 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Instrument :

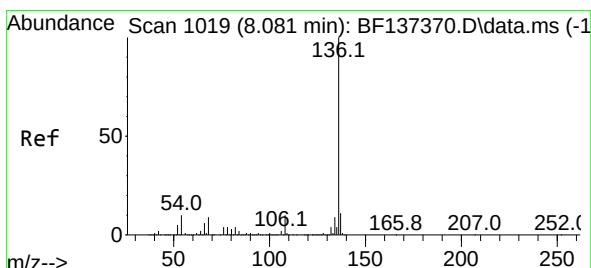
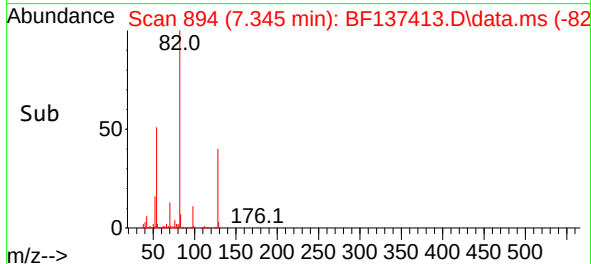
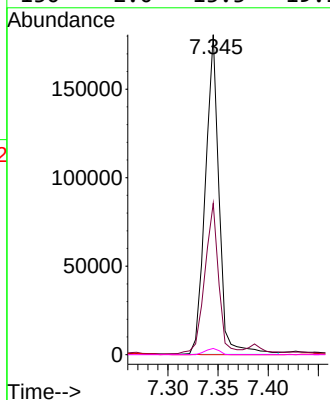
BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

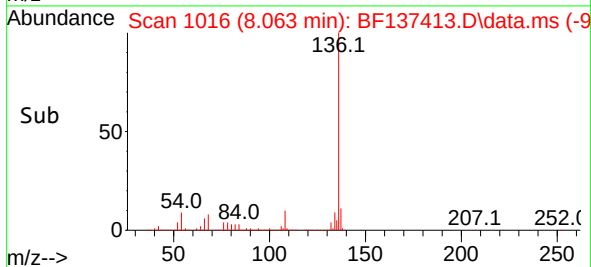
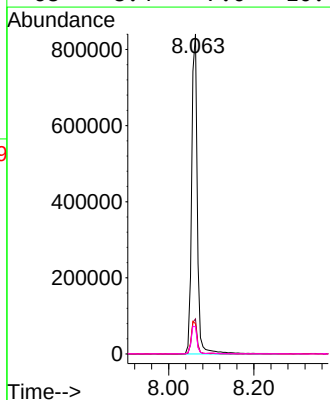
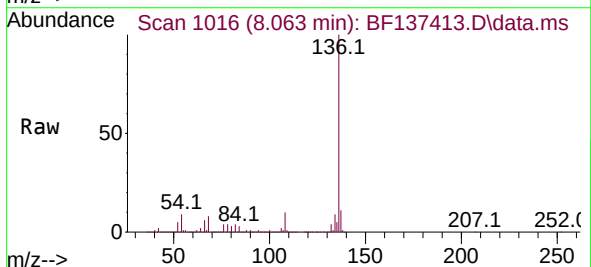


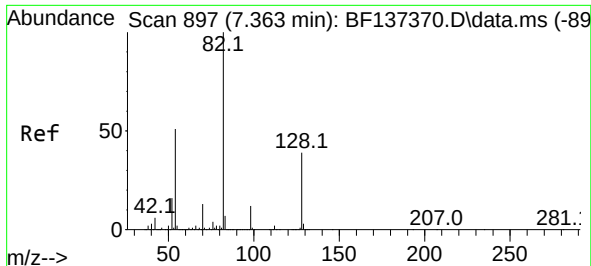
Tgt Ion: 70 Resp: 173410  
Ion Ratio Lower Upper  
70 100  
42 47.3 45.3 67.9  
101 0.0 6.5 9.7#  
130 2.0 13.3 19.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.018 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion: 136 Resp: 778816  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.4  
54 9.4 7.8 11.6  
68 8.4 7.0 10.4





#23

Nitrobenzene-d5

Concen: 86.664 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137413.D

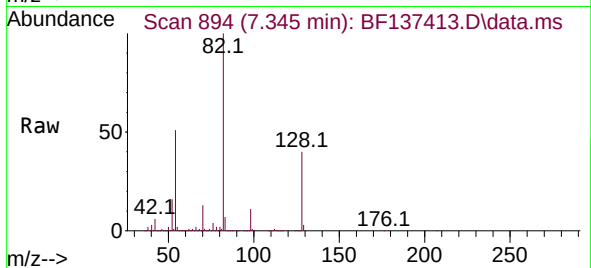
Acq: 27 Feb 2024 19:13

Instrument :

BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04



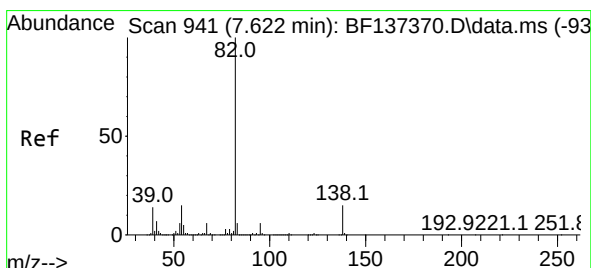
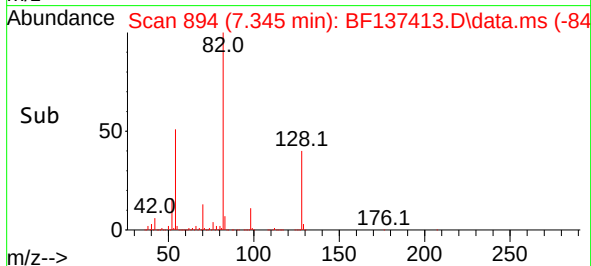
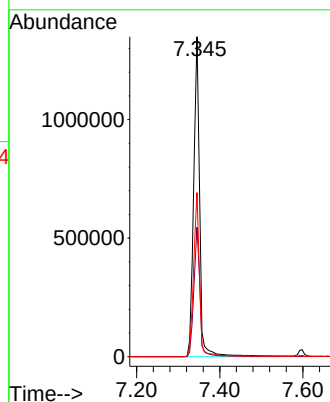
Tgt Ion: 82 Resp: 1351943

Ion Ratio Lower Upper

82 100

128 40.5 30.8 46.2

54 51.3 40.8 61.2



#25

Isophorone

Concen: 41.618 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.277 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

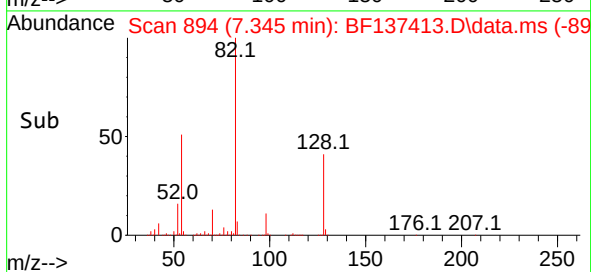
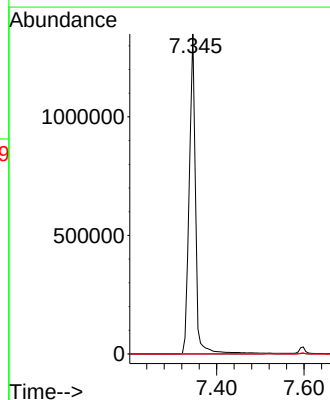
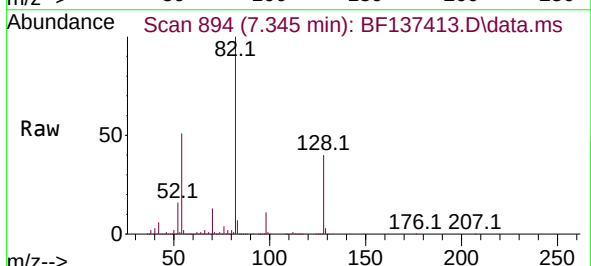
Tgt Ion: 82 Resp: 1342627

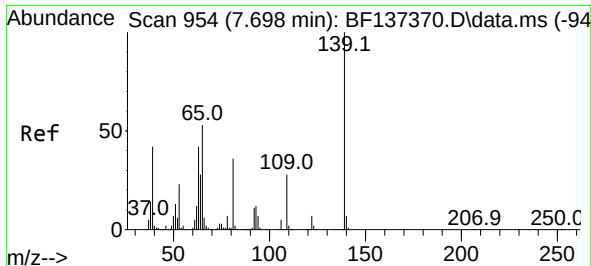
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#





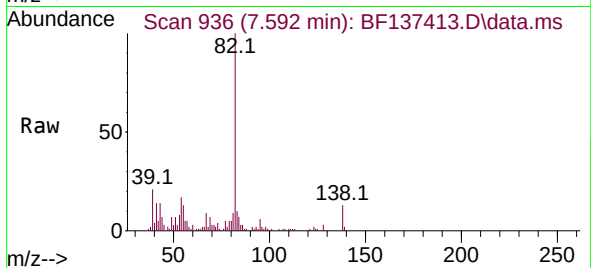
#26  
2-Nitrophenol  
Concen: 2.955 ng  
RT: 7.592 min Scan# 91  
Delta R.T. -0.106 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Instrument :

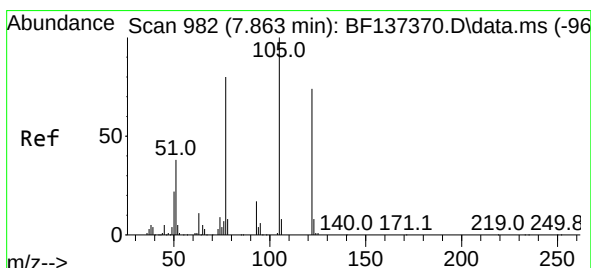
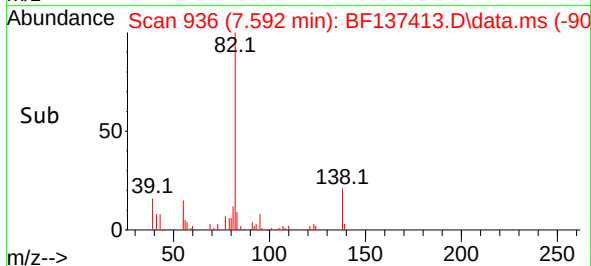
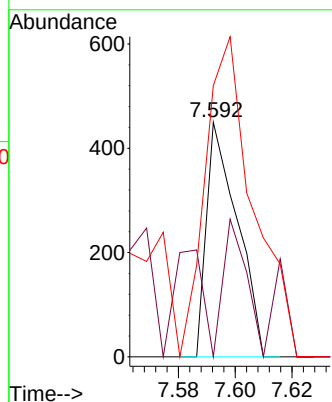
BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

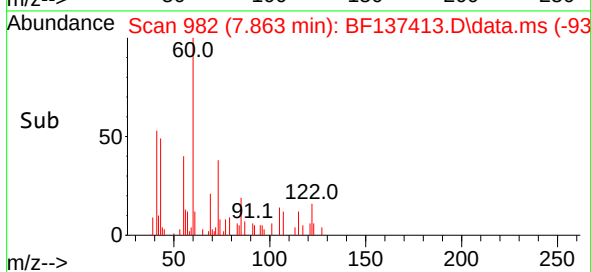
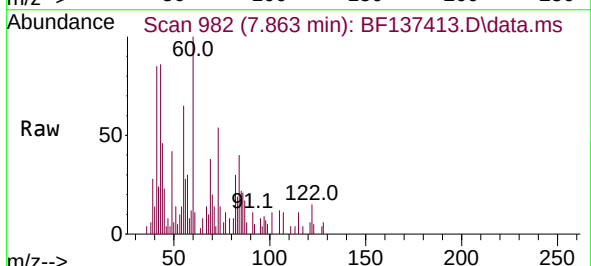
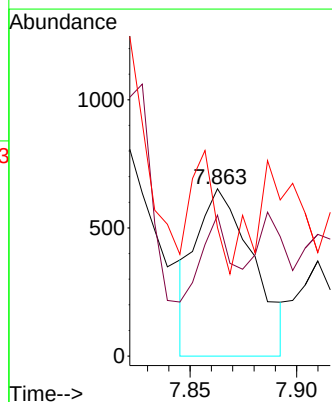


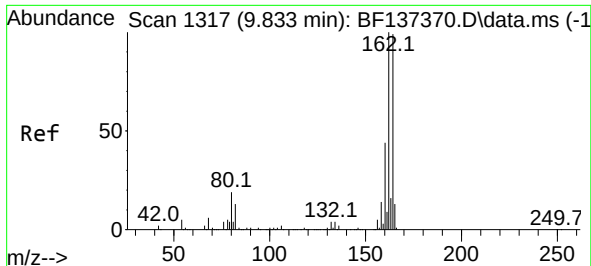
Tgt Ion:139 Resp: 339  
Ion Ratio Lower Upper  
139 100  
109 0.0 22.5 33.7#  
65 115.6 42.3 63.5#



#32  
Benzoic acid  
Concen: 7.094 ng  
RT: 7.863 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion:122 Resp: 1217  
Ion Ratio Lower Upper  
122 100  
105 84.2 101.1 141.1#  
77 76.9 82.8 122.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF137413.D

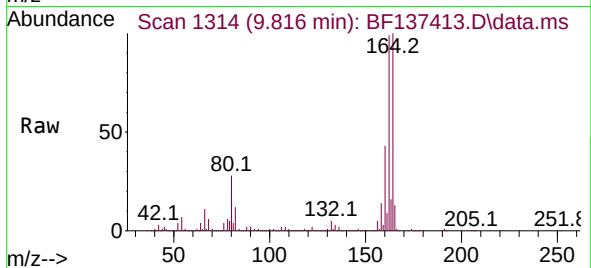
Acq: 27 Feb 2024 19:13

Instrument :

BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04



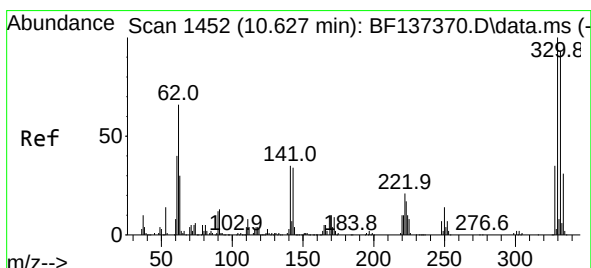
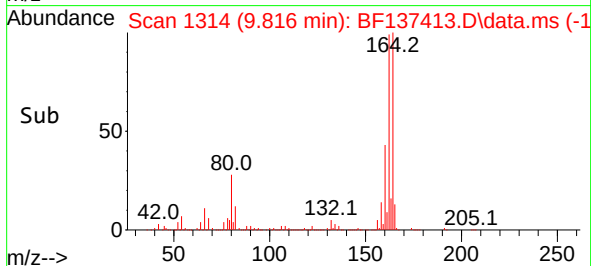
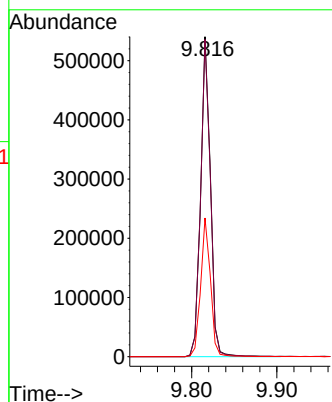
Tgt Ion:164 Resp: 430593

Ion Ratio Lower Upper

164 100

162 99.2 81.2 121.8

160 43.4 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 113.065 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

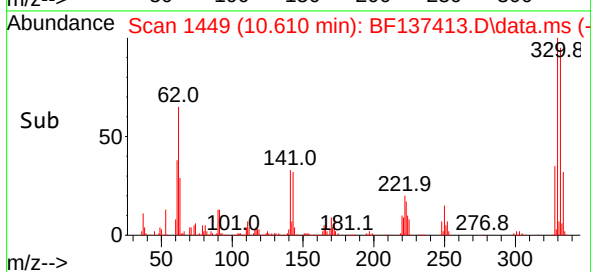
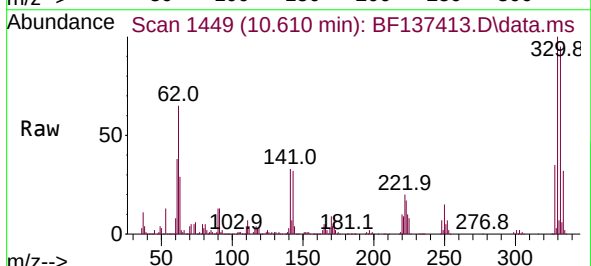
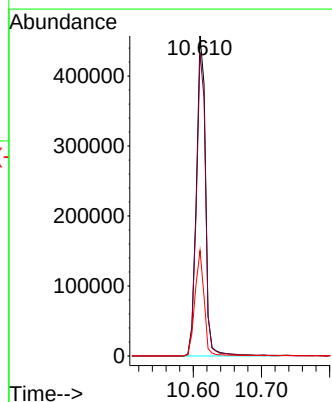
Tgt Ion:330 Resp: 423950

Ion Ratio Lower Upper

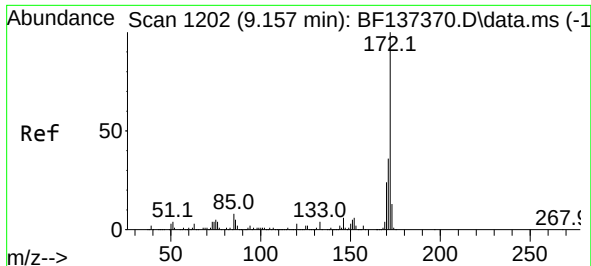
330 100

332 94.5 75.6 113.4

141 33.0 28.6 42.8







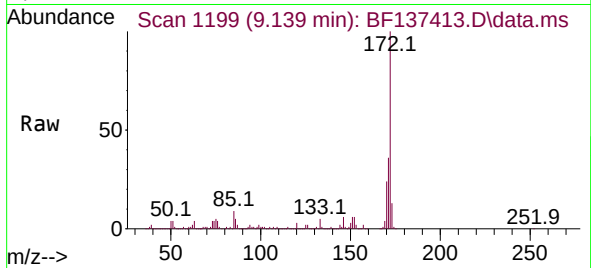
#45  
2-Fluorobiphenyl  
Concen: 78.014 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. -0.018 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Instrument :

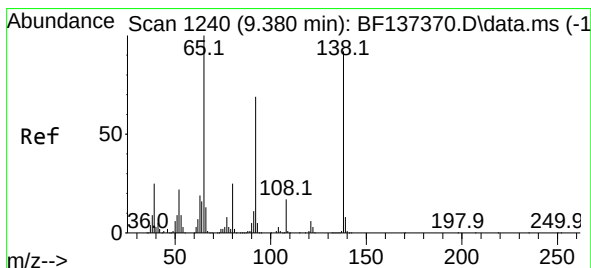
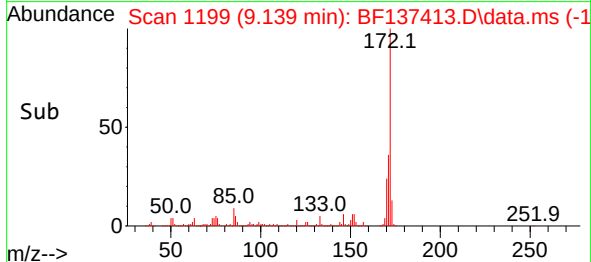
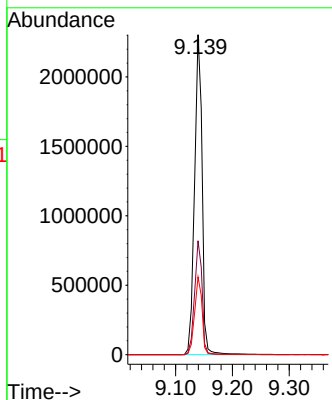
BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

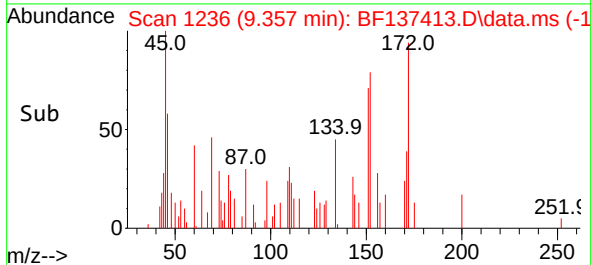
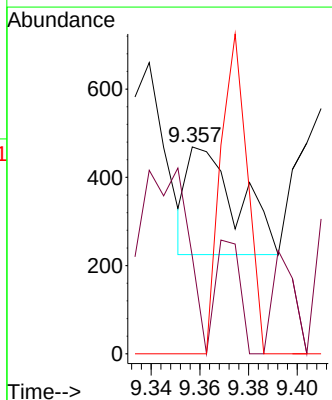
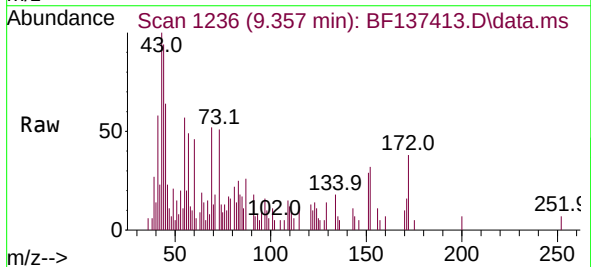


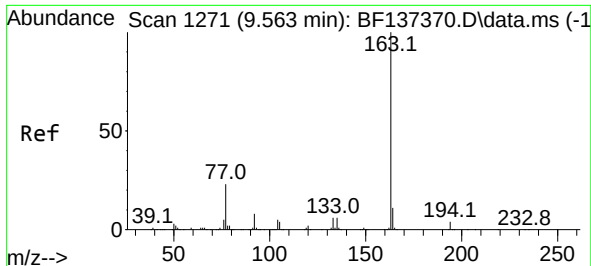
Tgt Ion:172 Resp: 2157710  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.7 43.1  
170 24.3 19.5 29.3



#48  
2-Nitroaniline  
Concen: 4.287 ng  
RT: 9.357 min Scan# 1236  
Delta R.T. -0.023 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion: 65 Resp: 348  
Ion Ratio Lower Upper  
65 100  
92 47.1 55.0 82.6#  
138 0.0 73.7 110.5#





#50  
Dimethylphthalate  
Concen: 2.300 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.253 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

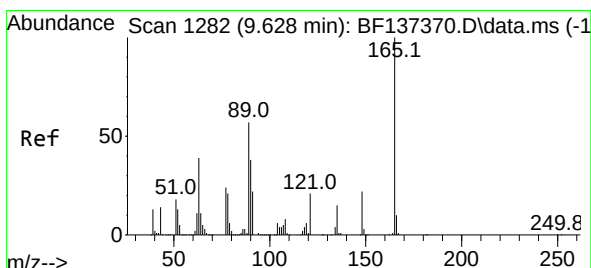
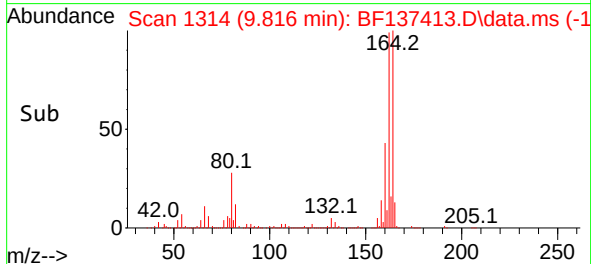
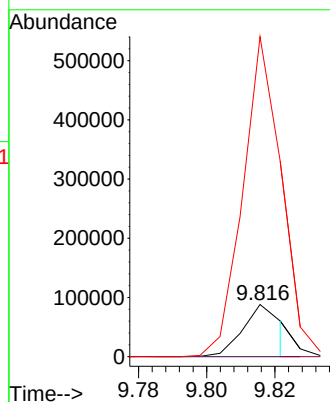
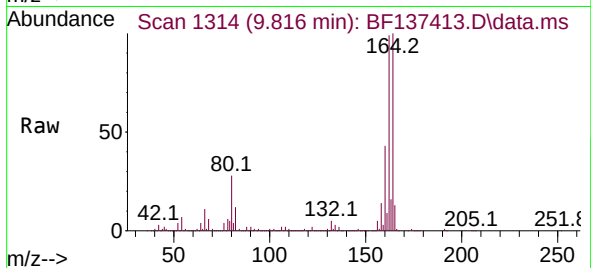
Instrument :

BNA\_F

ClientSampleId :

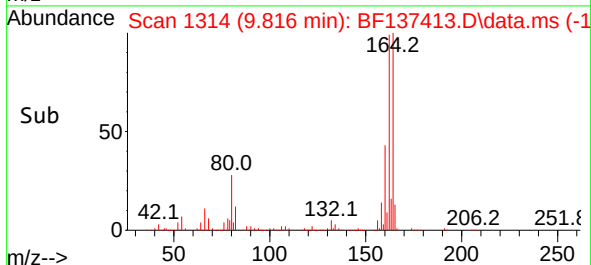
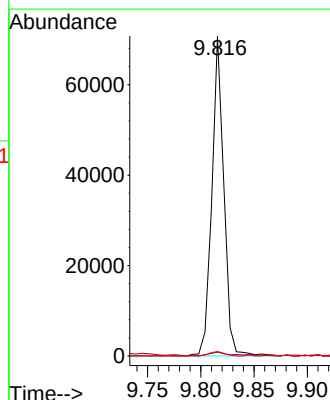
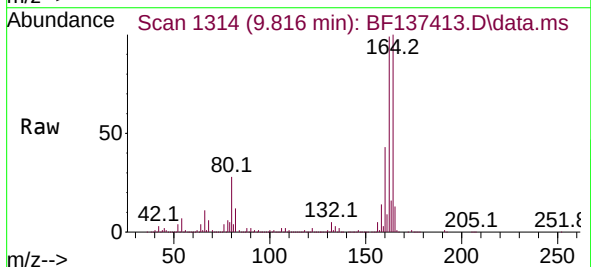
20241105-AMENDED-COMPOSITE-35N-N-4-04

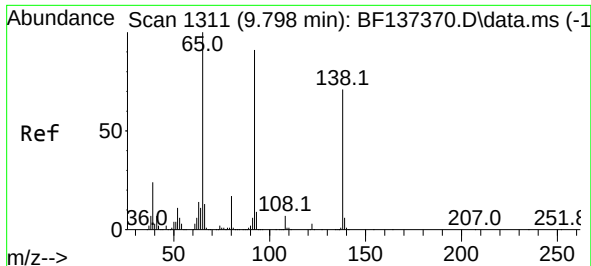
Tgt Ion:163 Resp: 68434  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.4#  
164 612.7 8.5 12.7#



#51  
2,6-Dinitrotoluene  
Concen: 10.002 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.188 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion:165 Resp: 55365  
Ion Ratio Lower Upper  
165 100  
63 1.2 41.6 62.4#  
89 1.4 45.8 68.6#





#53  
3-Nitroaniline  
Concen: 2.369 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

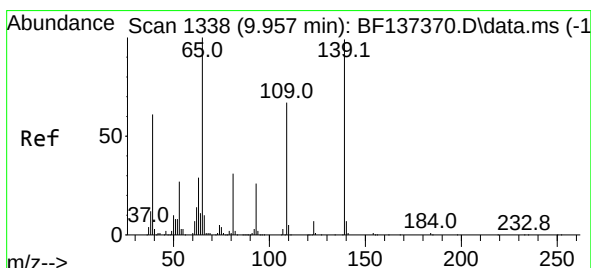
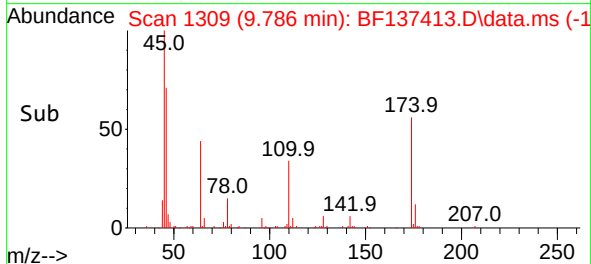
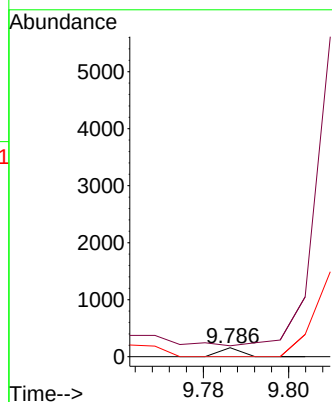
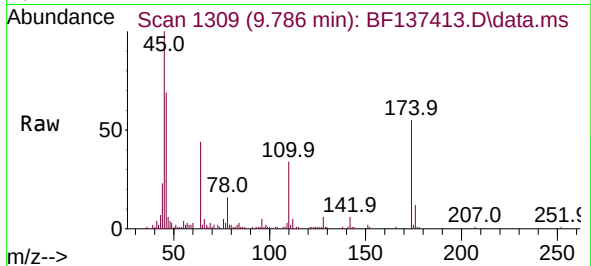
Instrument :

BNA\_F

ClientSampleId :

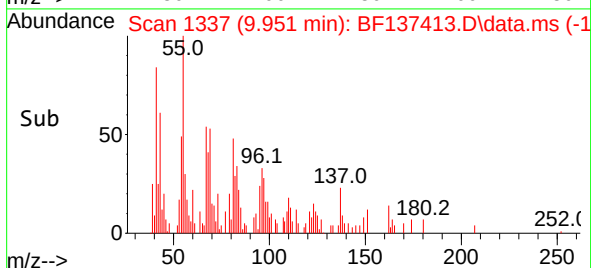
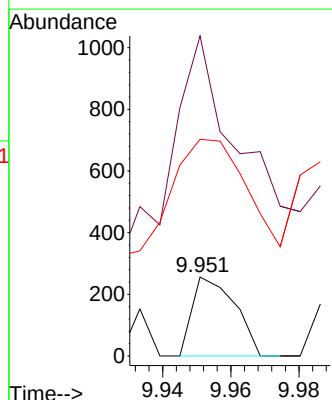
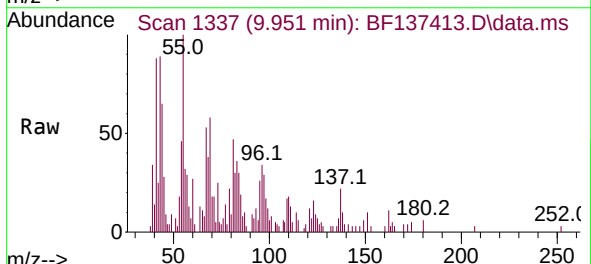
20241105-AMENDED-COMPOSITE-35N-N-4-04

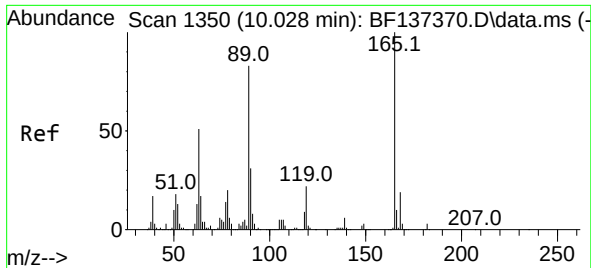
Tgt Ion:138 Resp: 56  
Ion Ratio Lower Upper  
138 100  
108 120.8 8.2 12.2#  
92 0.0 102.2 153.2#



#56  
4-Nitrophenol  
Concen: 4.883 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion:139 Resp: 222  
Ion Ratio Lower Upper  
139 100  
109 405.5 48.0 88.0#  
65 274.6 82.2 122.2#





#57  
2,4-Dinitrotoluene  
Concen: 8.799 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

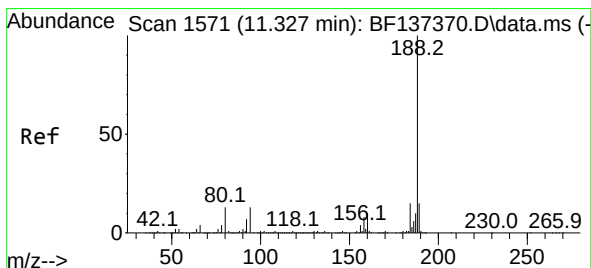
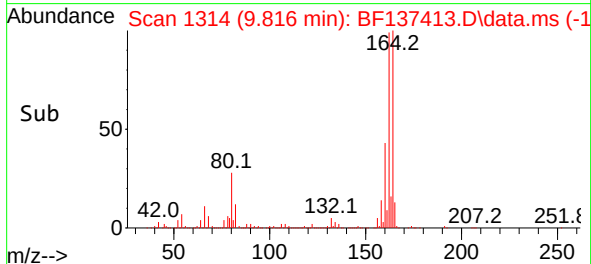
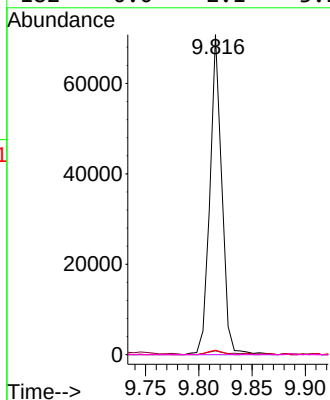
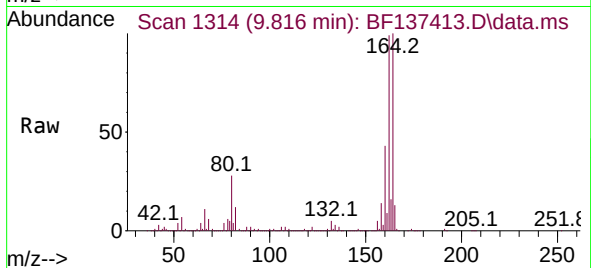
Instrument :

BNA\_F

ClientSampleId :

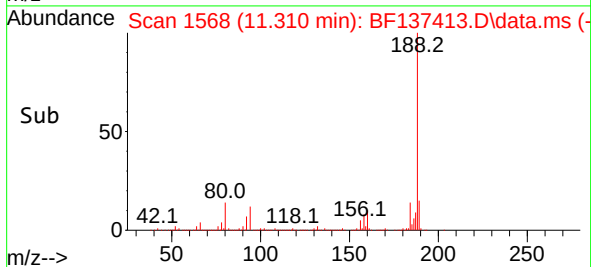
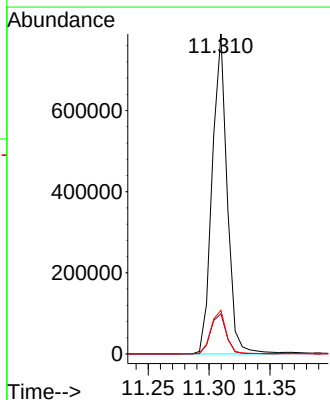
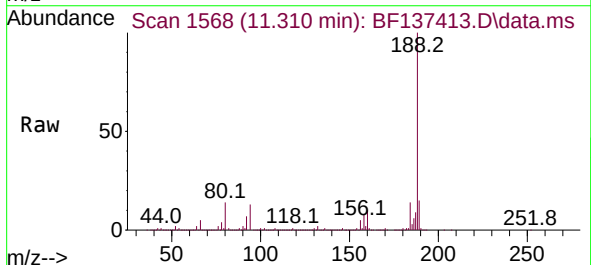
20241105-AMENDED-COMPOSITE-35N-N-4-04

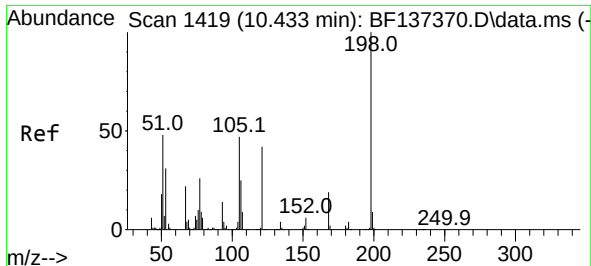
Tgt Ion:165 Resp: 55365  
Ion Ratio Lower Upper  
165 100  
63 1.2 41.1 61.7#  
89 1.4 66.6 100.0#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.018 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion:188 Resp: 675492  
Ion Ratio Lower Upper  
188 100  
94 12.5 10.2 15.2  
80 13.6 10.7 16.1





#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.823 ng  
RT: 10.610 min Scan# 1419  
Delta R.T. 0.177 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

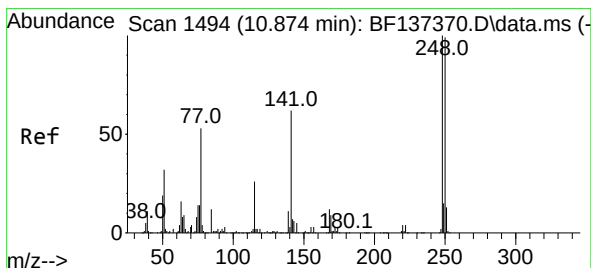
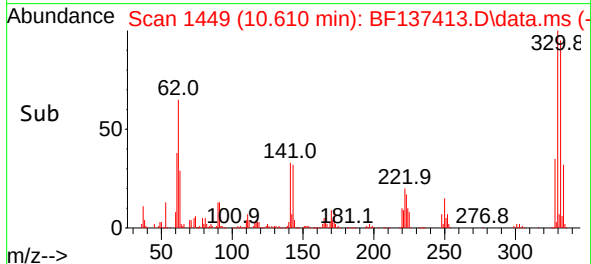
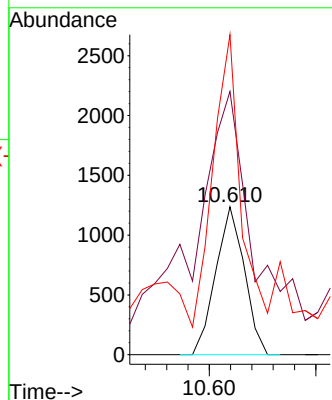
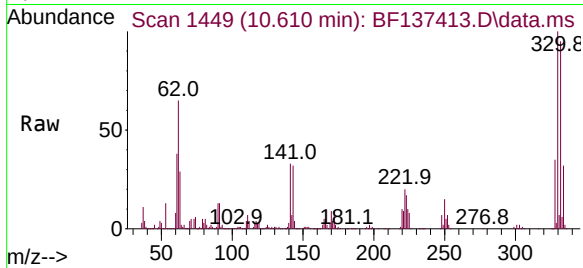
Instrument :

BNA\_F

ClientSampleId :

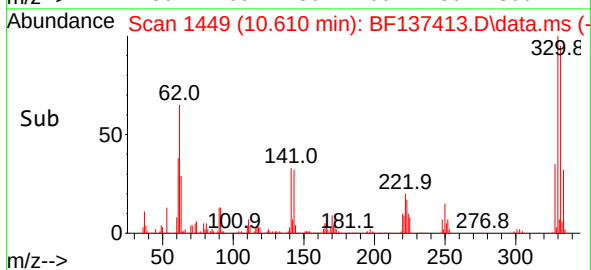
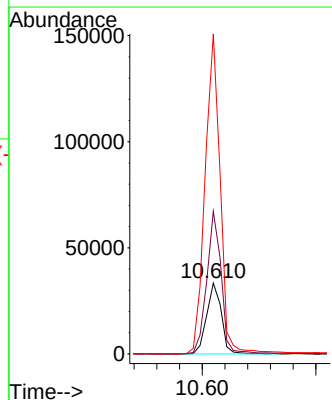
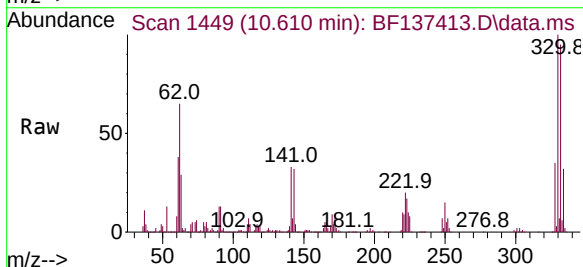
20241105-AMENDED-COMPOSITE-35N-N-4-04

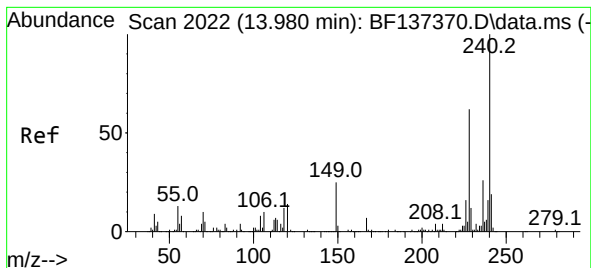
Tgt Ion:198 Resp: 1156  
Ion Ratio Lower Upper  
198 100  
51 178.1 36.8 76.8#  
105 216.5 28.5 68.5#



#67  
4-Bromophenyl-phenylether  
Concen: 4.123 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.265 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Tgt Ion:248 Resp: 29940  
Ion Ratio Lower Upper  
248 100  
250 201.2 79.0 118.6#  
141 451.0 49.9 74.9#





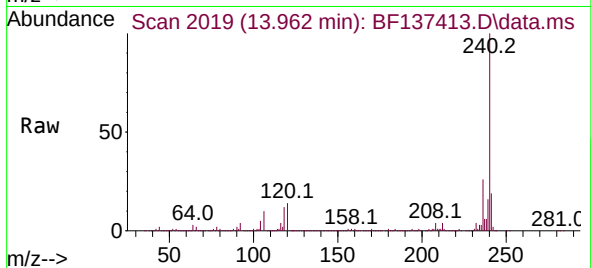
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.962 min Scan# 20  
Delta R.T. -0.018 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13

Instrument :

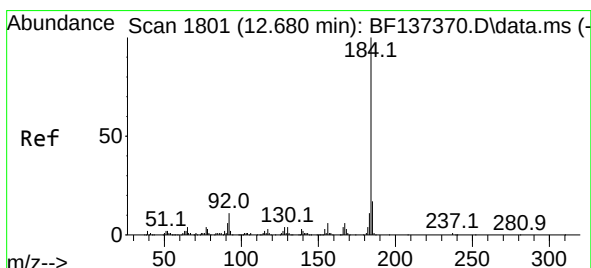
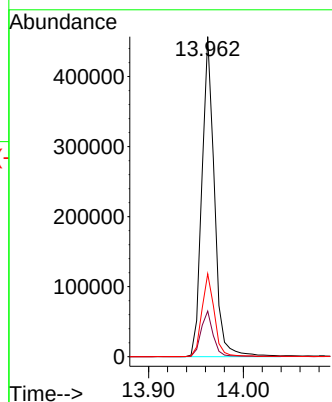
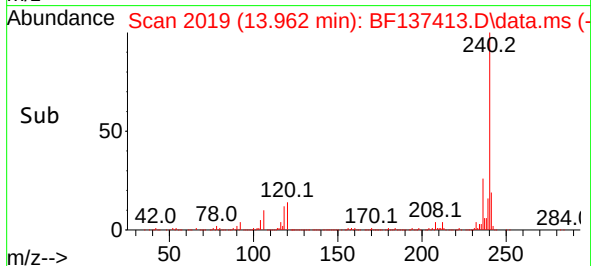
BNA\_F

ClientSampleId :

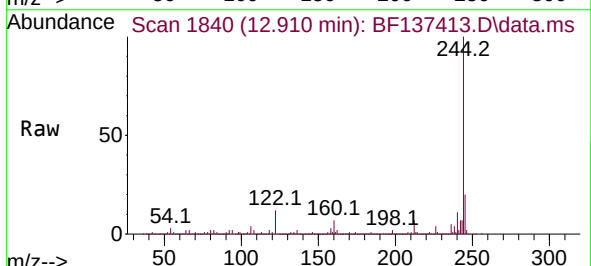
20241105-AMENDED-COMPOSITE-35N-N-4-04



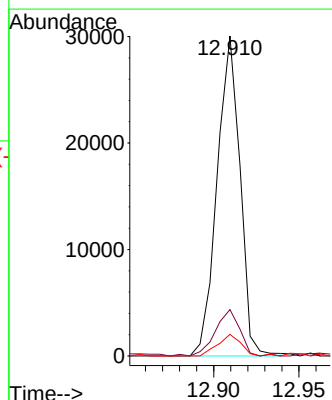
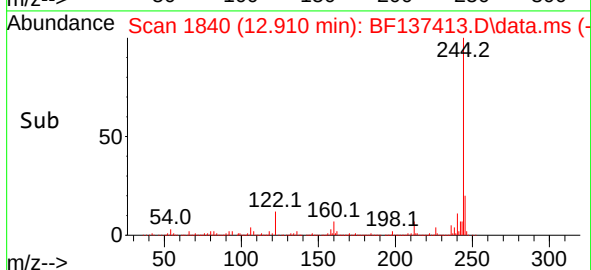
Tgt Ion:240 Resp: 422210  
Ion Ratio Lower Upper  
240 100  
120 14.2 11.3 16.9  
236 25.9 20.5 30.7

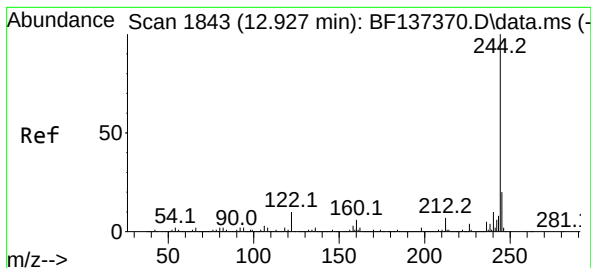


#77  
Benzidine  
Concen: 10.274 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. 0.230 min  
Lab File: BF137413.D  
Acq: 27 Feb 2024 19:13



Tgt Ion:184 Resp: 28143  
Ion Ratio Lower Upper  
184 100  
185 14.5 13.7 20.5  
183 6.8 8.8 13.2#





#79

Terphenyl-d14

Concen: 73.221 ng

RT: 12.910 min Scan# 1843

Delta R.T. -0.018 min

Lab File: BF137413.D

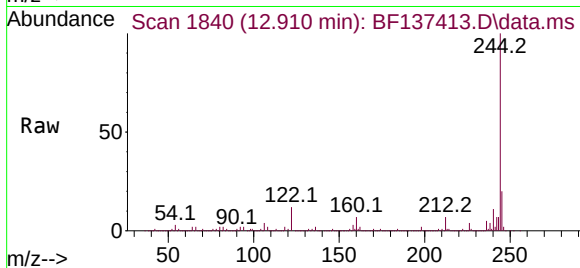
Acq: 27 Feb 2024 19:13

Instrument :

BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04



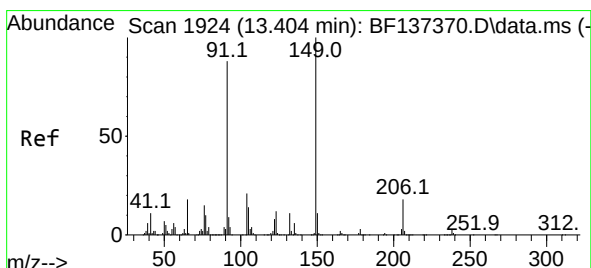
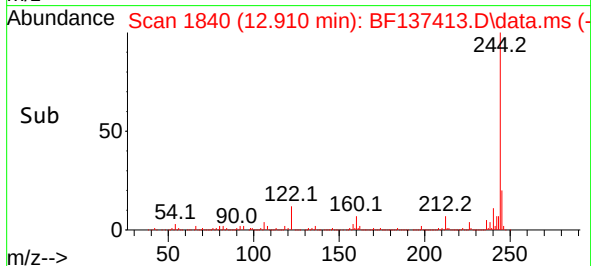
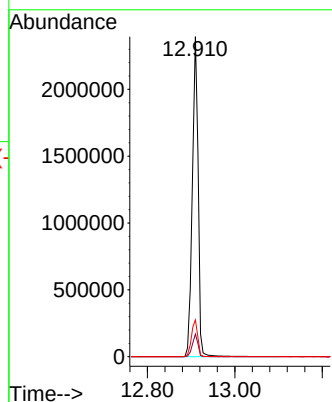
Tgt Ion:244 Resp: 2210274

Ion Ratio Lower Upper

244 100

212 7.1 5.3 7.9

122 11.5 8.2 12.4



#80

Butylbenzylphthalate

Concen: 4.052 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.018 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

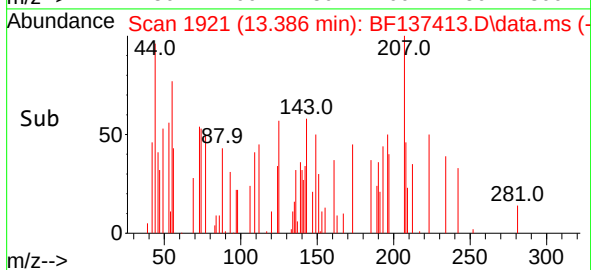
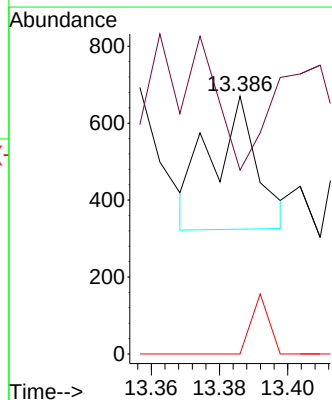
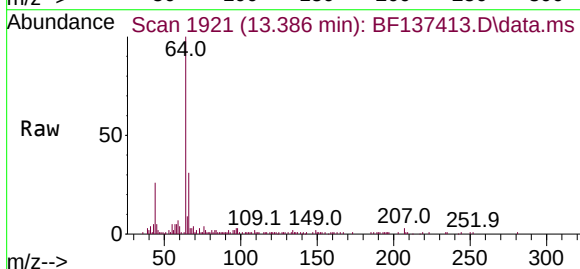
Tgt Ion:149 Resp: 323

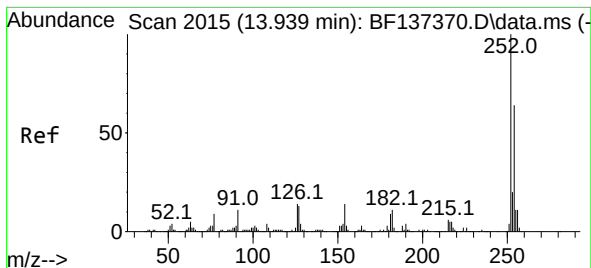
Ion Ratio Lower Upper

149 100

91 71.3 70.5 105.7

206 0.0 14.8 22.2#





#82

3,3'-Dichlorobenzidine

Concen: 5.055 ng

RT: 13.921 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF137413.D

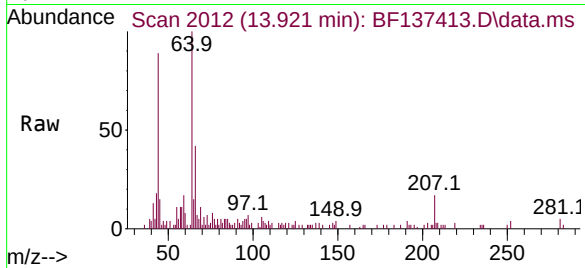
Acq: 27 Feb 2024 19:13

Instrument :

BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04



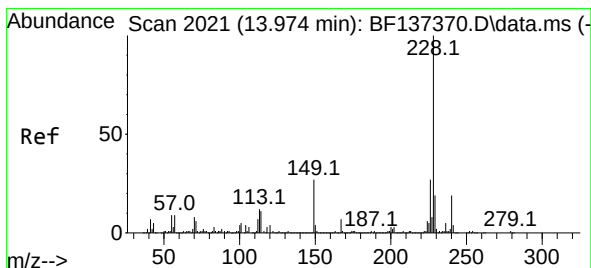
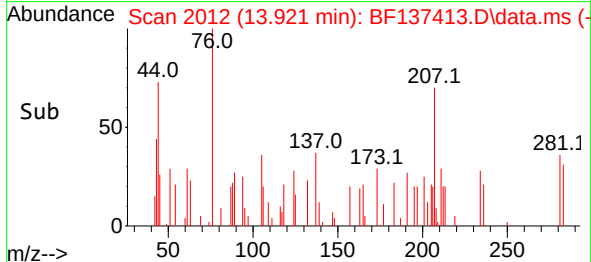
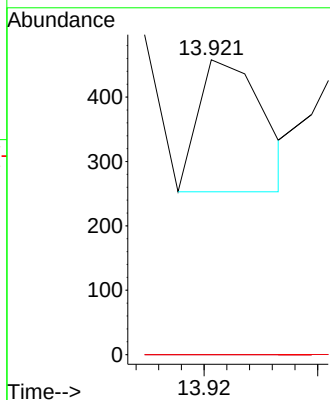
Tgt Ion:252 Resp: 165

Ion Ratio Lower Upper

252 100

254 0.0 51.2 76.8#

126 0.0 11.1 16.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.421 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.017 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

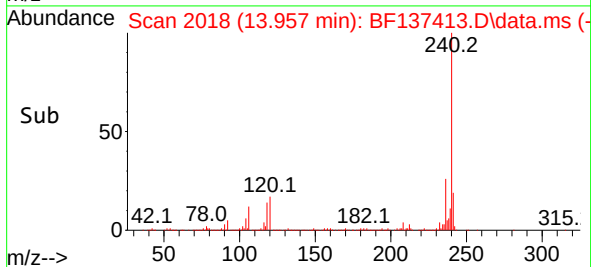
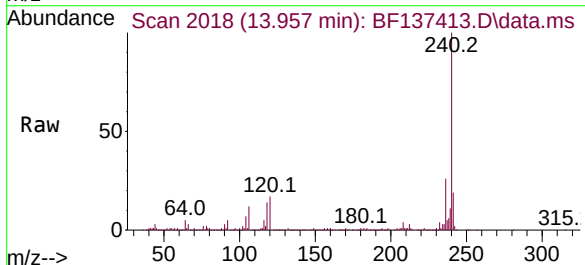
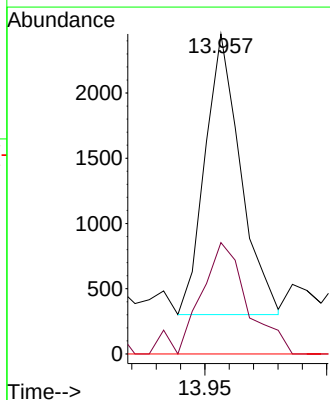
Tgt Ion:149 Resp: 2181

Ion Ratio Lower Upper

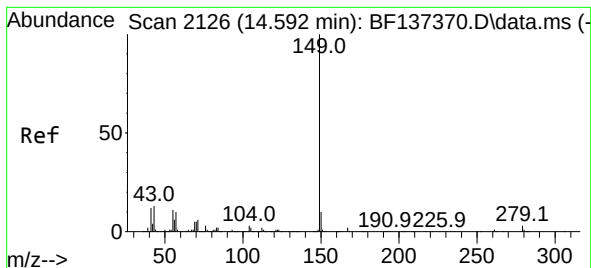
149 100

167 34.8 20.6 31.0#

279 0.0 2.7 4.1#







#85

Di-n-octyl phthalate

Concen: 6.020 ng

RT: 14.562 min Scan# 2126

Delta R.T. -0.030 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

Instrument :

BNA\_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

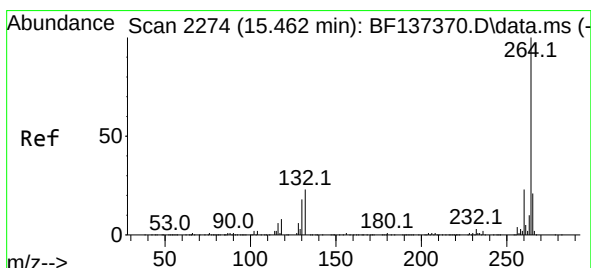
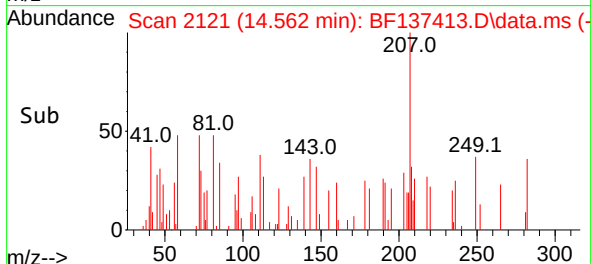
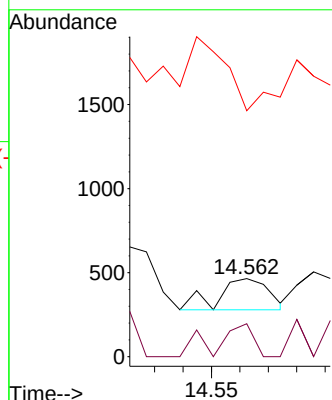
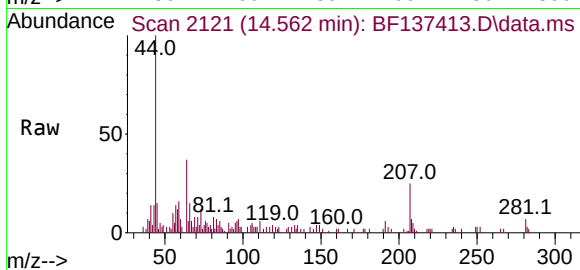
Tgt Ion:149 Resp: 231

Ion Ratio Lower Upper

149 100

167 77.5 1.2 1.8#

43 160.2 13.7 20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF137413.D

Acq: 27 Feb 2024 19:13

Tgt Ion:264 Resp: 423482

Ion Ratio Lower Upper

264 100

260 24.6 18.5 27.7

265 21.5 16.9 25.3

