

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030524\  
 Data File : BF137498.D  
 Acq On : 05 Mar 2024 13:54  
 Operator : CG\JU  
 Sample : PB159401TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB159401TB

Quant Time: Mar 05 14:24:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 00:26:53 2024  
 Response via : Initial Calibration

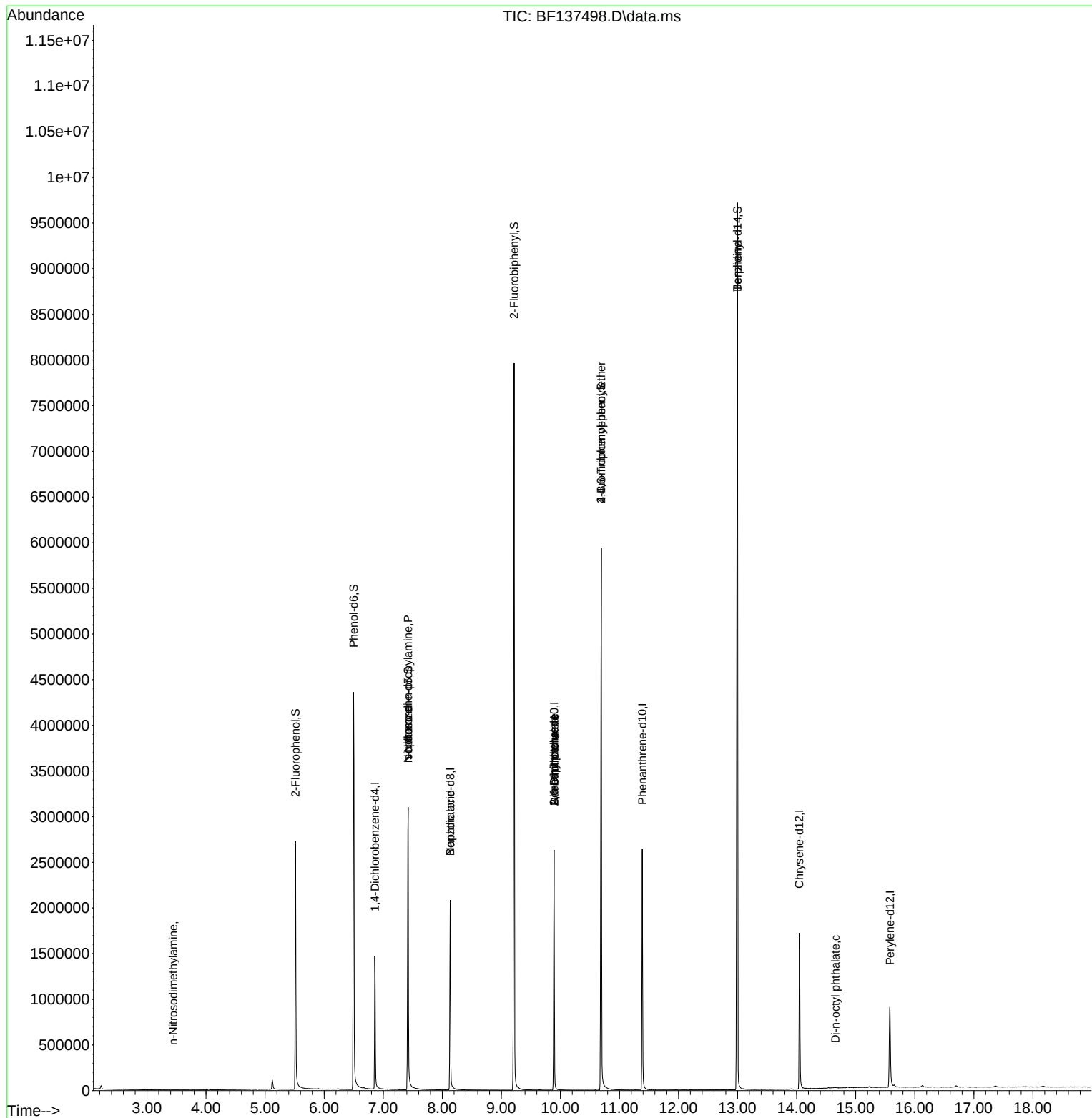
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 223132   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.134  | 136  | 904562   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.892  | 164  | 516633   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 915837   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 621512   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.580 | 264  | 472101   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 735354   | 49.913  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1769054  | 83.186  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 1169069  | 60.051  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 811799   | 178.931 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 2647434  | 80.215  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 4027675  | 89.113  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 184      | 3.830   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 156257   | 11.899  | ng    | # 79     |
| 25) Isophorone                | 7.422  | 82   | 1169052  | 31.608  | ng    | # 69     |
| 32) Benzoic acid              | 8.134  | 122  | 210      | 6.320   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.892  | 163  | 86828    | 2.414   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.892  | 165  | 67327    | 8.950   | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 67327    | 7.285   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 53524    | 5.366   | ng    | # 1      |
| 77) Benzidine                 | 12.998 | 184  | 46335    | 3.046   | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 14.657 | 149  | 620      | 5.621   | ng    | # 70     |
| -----                         |        |      |          |         |       |          |

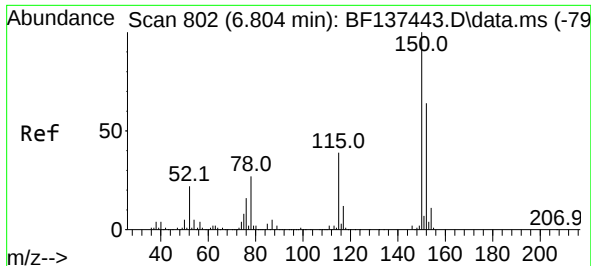
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 00:26:53 2024  
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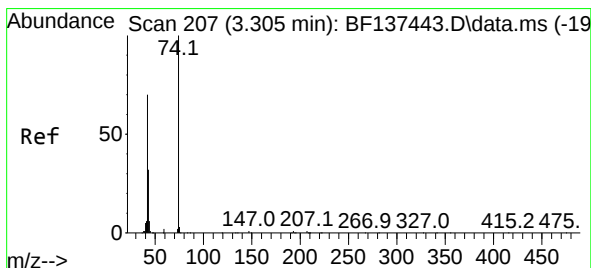
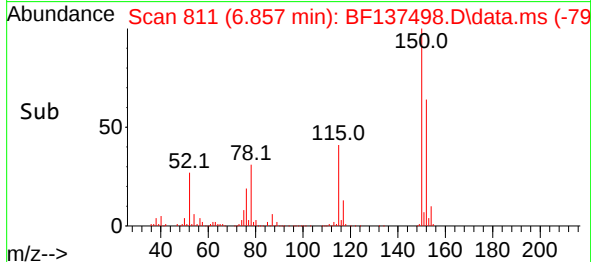
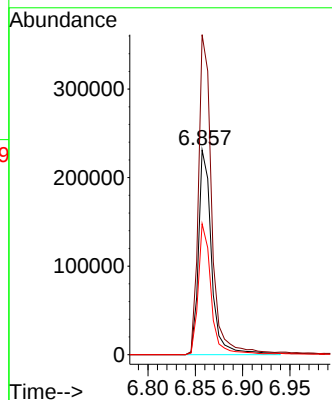
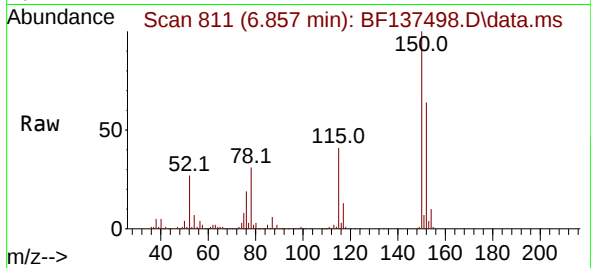




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

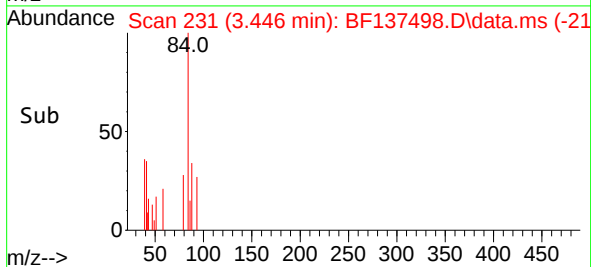
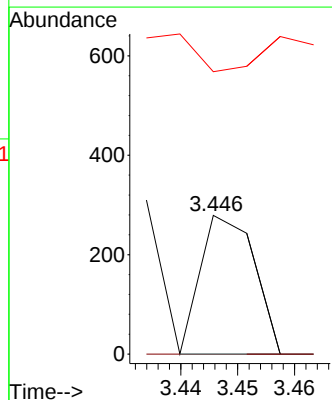
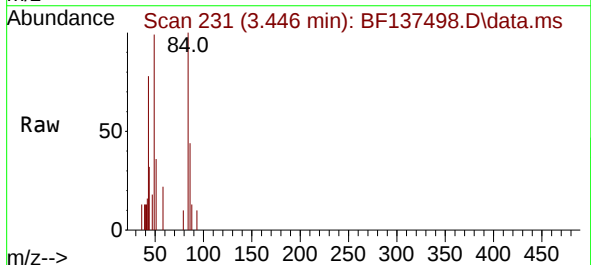
Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

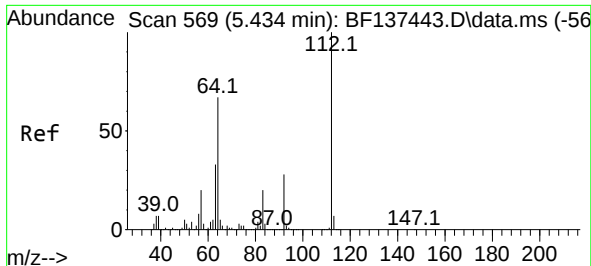
Tgt Ion:152 Resp: 223132  
Ion Ratio Lower Upper  
152 100  
150 156.3 125.8 188.6  
115 63.9 48.8 73.2



#4  
n-Nitrosodimethylamine  
Concen: 3.830 ng  
RT: 3.446 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion: 42 Resp: 184  
Ion Ratio Lower Upper  
42 100  
74 0.0 114.0 171.0#  
44 203.6 7.0 10.4#

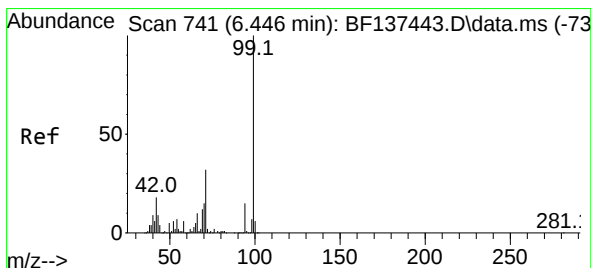
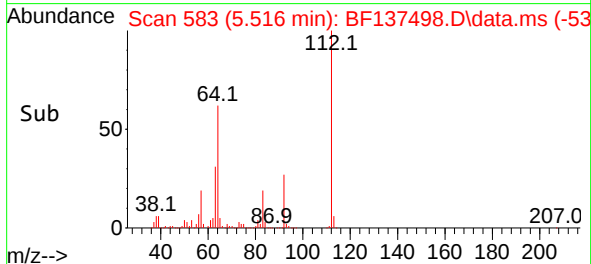
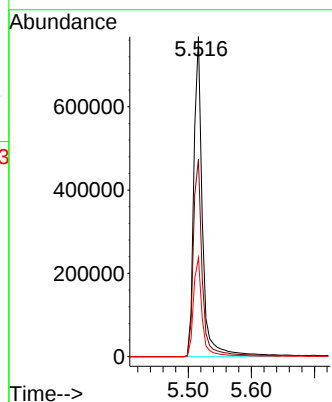
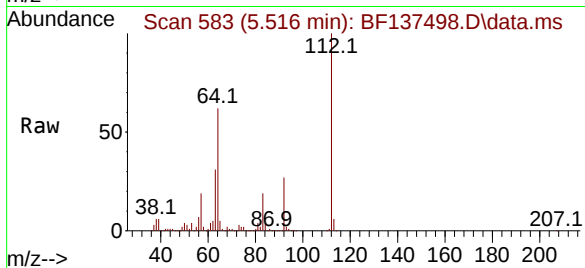




#5  
2-Fluorophenol  
Concen: 49.913 ng  
RT: 5.516 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

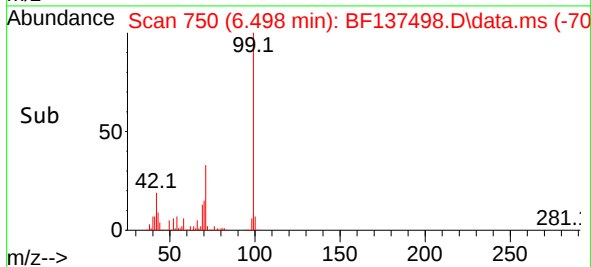
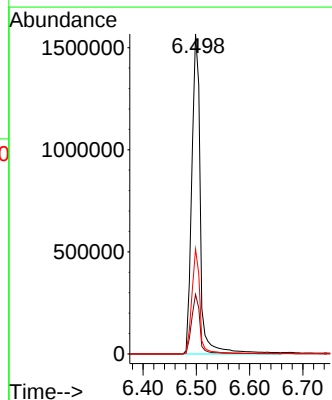
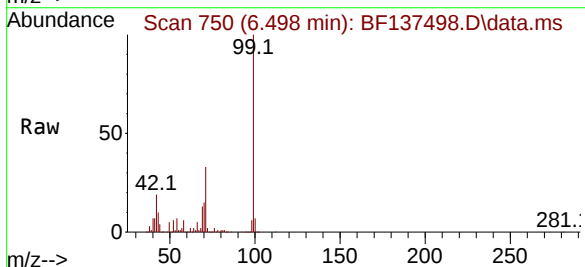
Instrument :  
BNA\_F  
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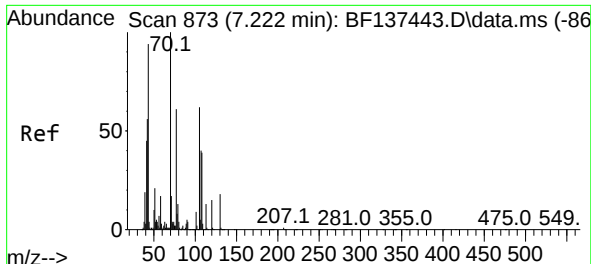
Tgt Ion:112 Resp: 735354  
Ion Ratio Lower Upper  
112 100  
64 61.8 53.4 80.2  
63 30.9 26.2 39.2



#7  
Phenol-d6  
Concen: 83.186 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion: 99 Resp: 1769054  
Ion Ratio Lower Upper  
99 100  
42 18.6 14.6 21.8  
71 32.8 25.3 37.9

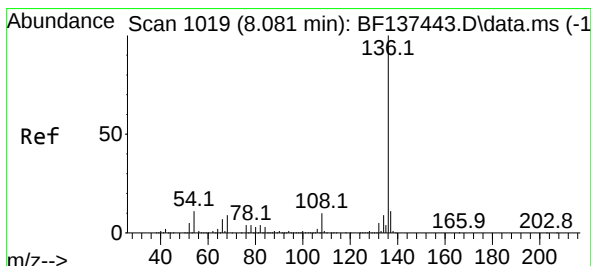
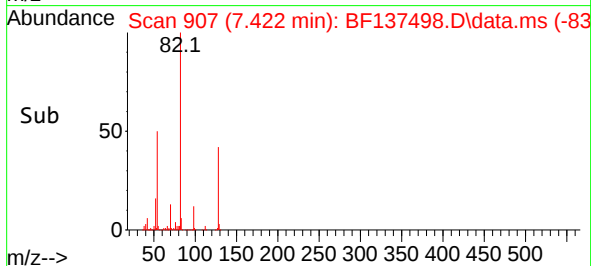
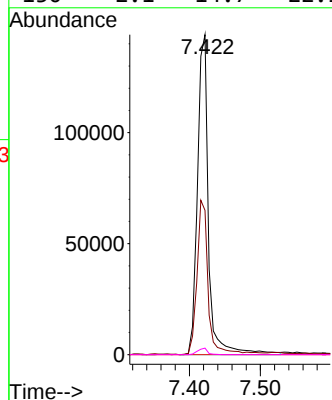
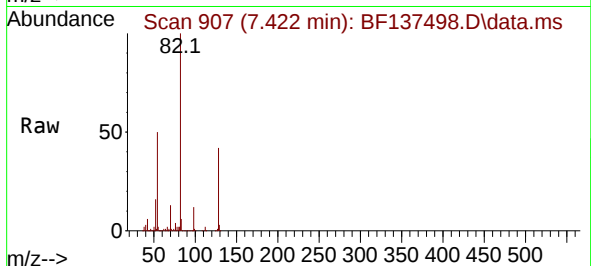




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.899 ng  
RT: 7.422 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

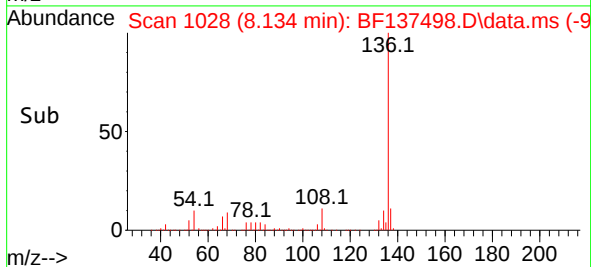
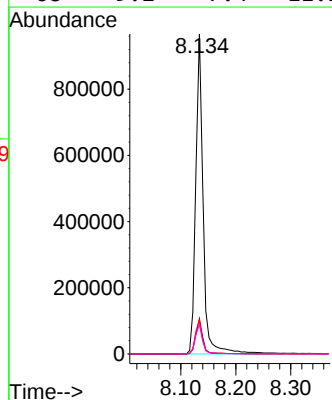
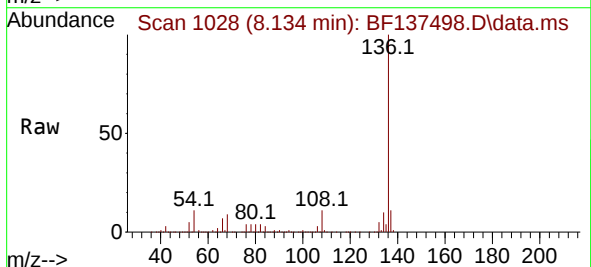
Instrument :  
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ClientSampleId :  
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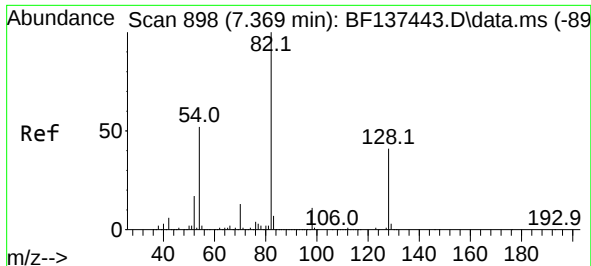
Tgt Ion: 70 Resp: 156257  
Ion Ratio Lower Upper  
70 100  
42 45.1 45.2 67.8#  
101 0.0 7.3 10.9#  
130 2.1 14.7 22.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.134 min Scan# 1028  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion: 136 Resp: 904562  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 10.5 8.5 12.7  
68 9.2 7.4 11.2





#23

Nitrobenzene-d5

Concen: 60.051 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF137498.D

Acq: 05 Mar 2024 13:54

Instrument :

BNA\_F

ClientSampleId :

PB159401TB

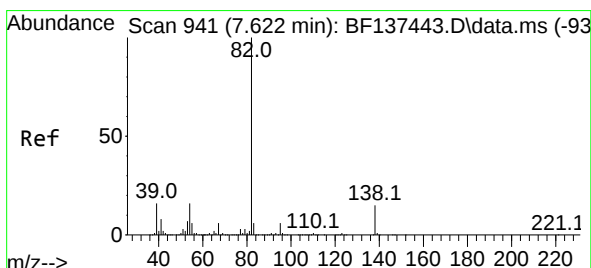
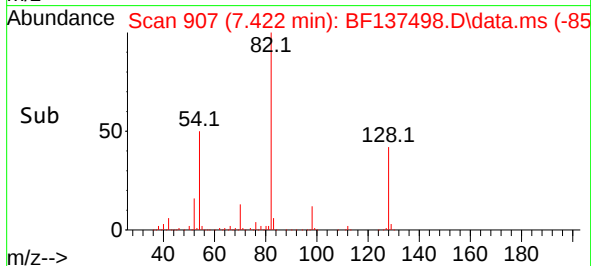
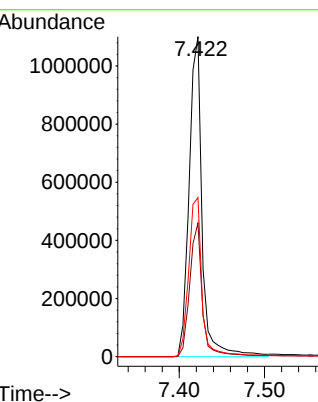
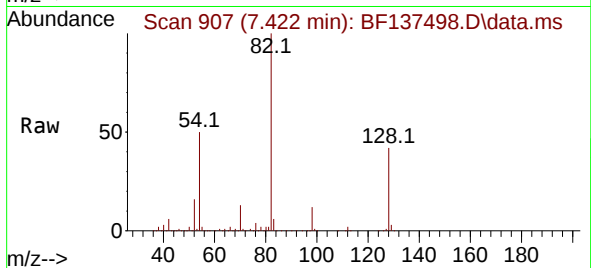
Tgt Ion: 82 Resp: 1169069

Ion Ratio Lower Upper

82 100

128 41.7 32.5 48.7

54 49.7 41.5 62.3



#25

Isophorone

Concen: 31.608 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.259 min

Lab File: BF137498.D

Acq: 05 Mar 2024 13:54

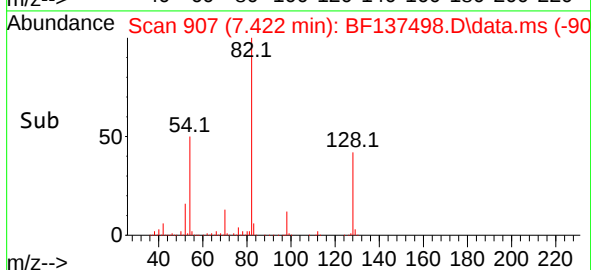
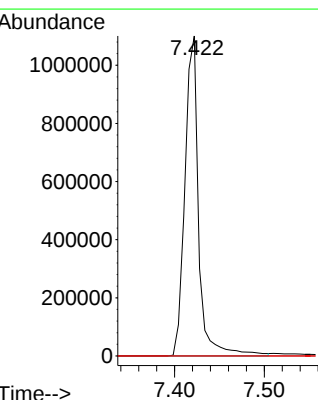
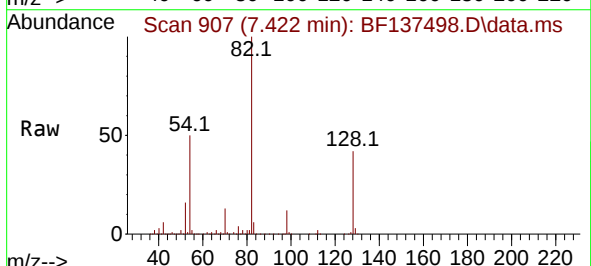
Tgt Ion: 82 Resp: 1169052

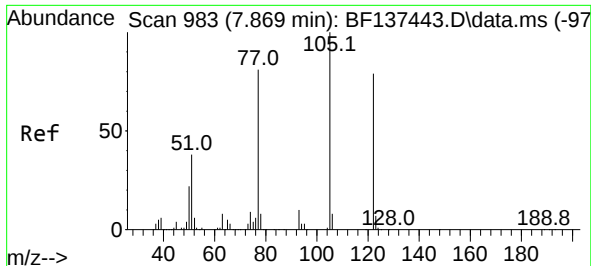
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

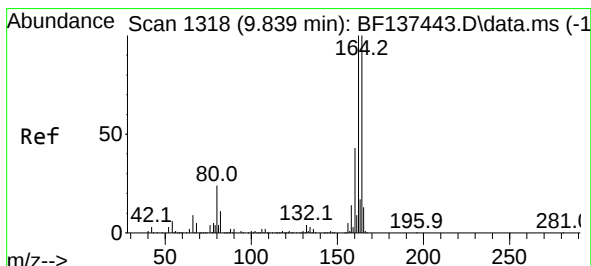
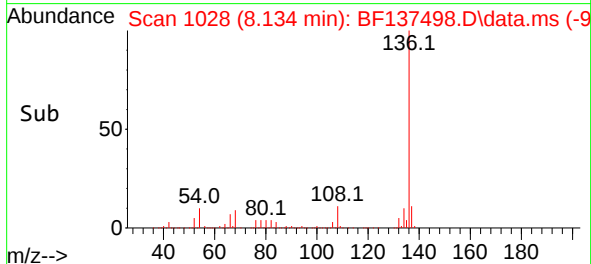
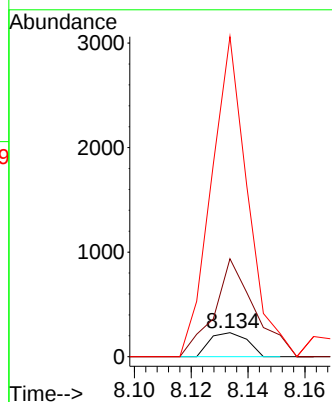
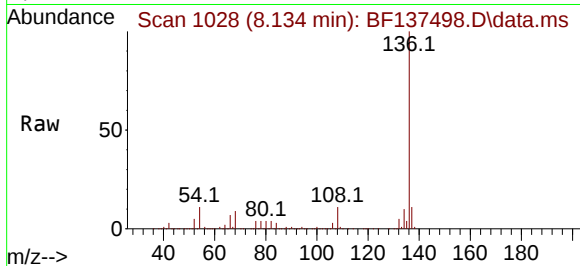




#32  
Benzoic acid  
Concen: 6.320 ng  
RT: 8.134 min Scan# 1028  
Delta R.T. 0.206 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

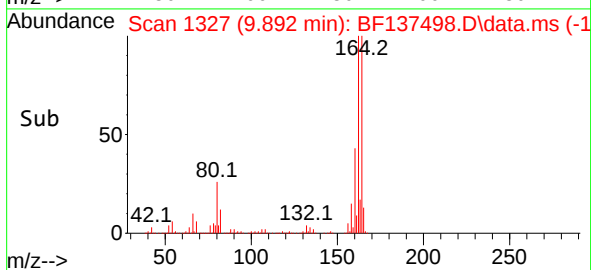
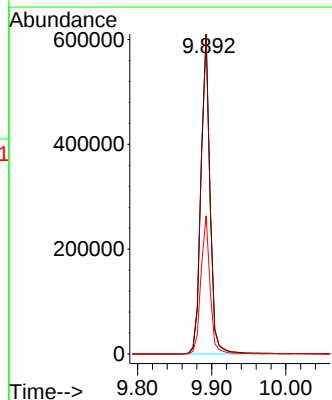
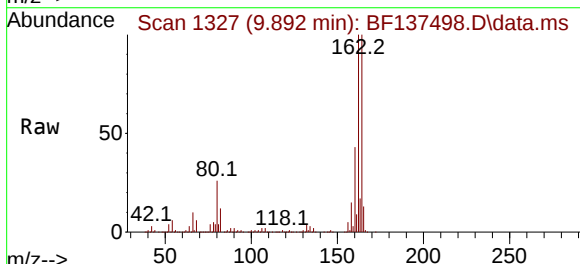
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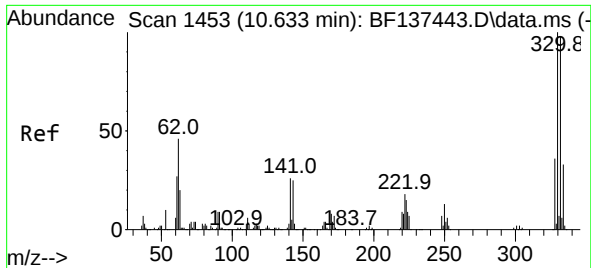
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Ion Ratio Lower Upper  
122 100  
105 408.7 102.4 142.4#  
77 1336.7 81.1 121.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

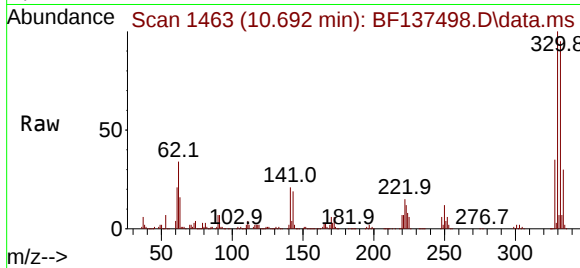
Tgt Ion:164 Resp: 516633  
Ion Ratio Lower Upper  
164 100  
162 100.4 79.8 119.8  
160 43.4 34.4 51.6



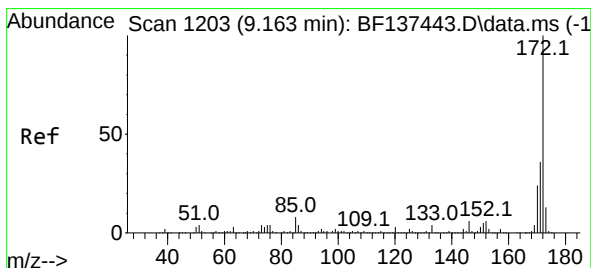
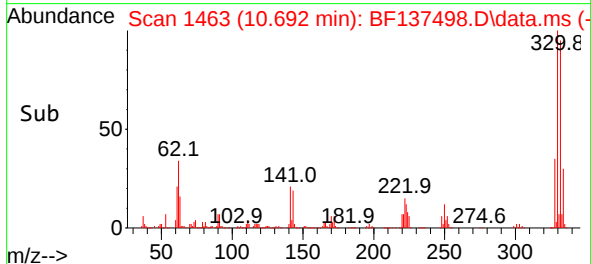
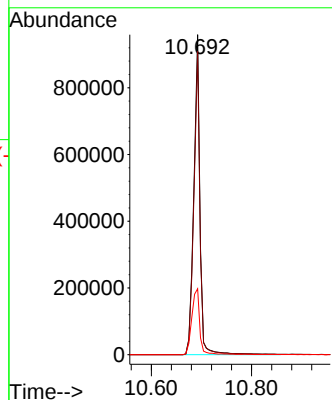


#42  
2,4,6-Tribromophenol  
Concen: 178.931 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

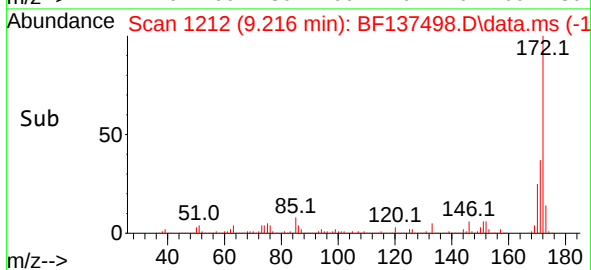
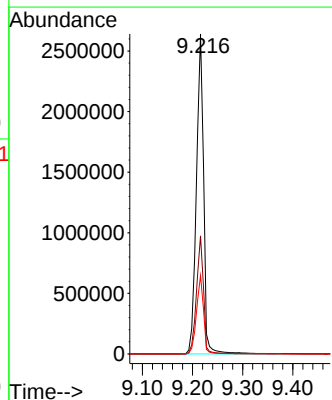
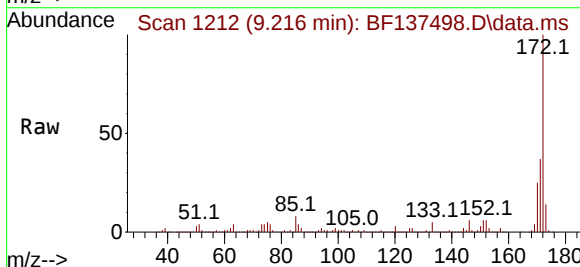


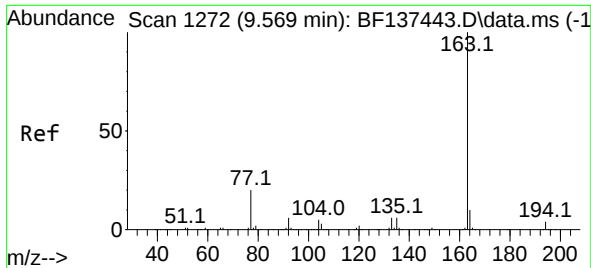
Tgt Ion:330 Resp: 811799  
Ion Ratio Lower Upper  
330 100  
332 94.6 78.0 117.0  
141 26.9 27.3 40.9#



#45  
2-Fluorobiphenyl  
Concen: 80.215 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion:172 Resp: 2647434  
Ion Ratio Lower Upper  
172 100  
171 36.9 28.5 42.7  
170 24.5 19.0 28.6

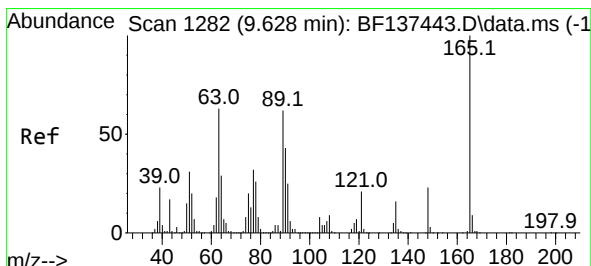
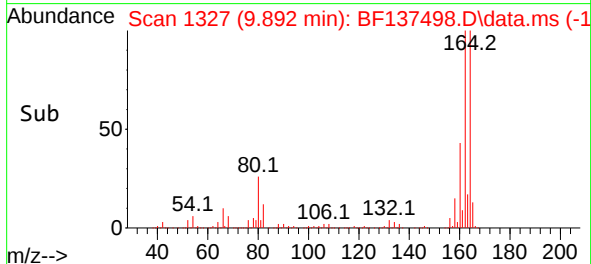
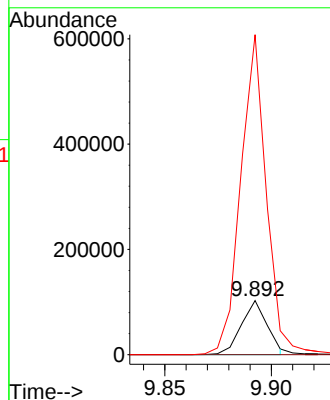
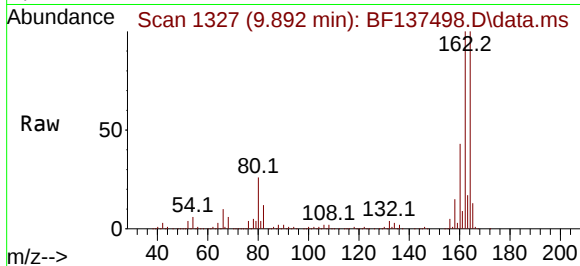




#50  
Dimethylphthalate  
Concen: 2.414 ng  
RT: 9.892 min Scan# 11  
Delta R.T. 0.265 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

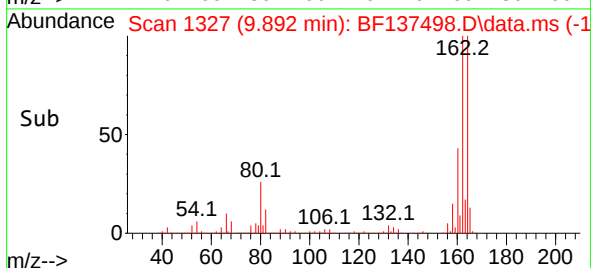
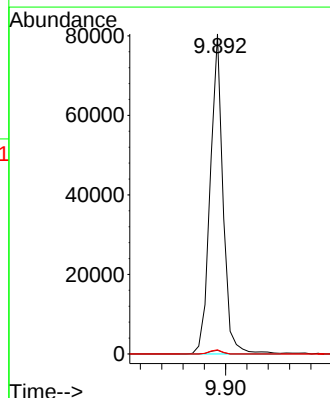
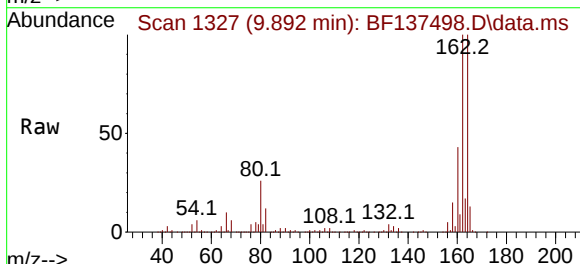
Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

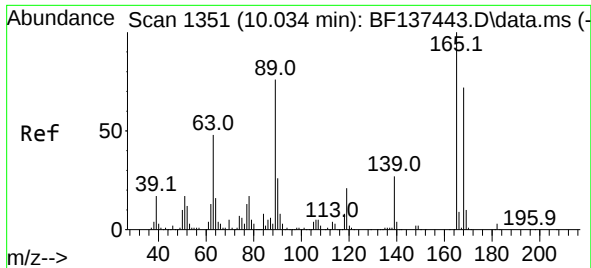
Tgt Ion:163 Resp: 86828  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 590.9 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.950 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.206 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion:165 Resp: 67327  
Ion Ratio Lower Upper  
165 100  
63 1.1 50.7 76.1#  
89 1.3 50.0 75.0#

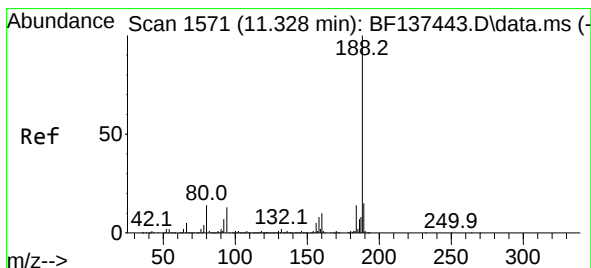
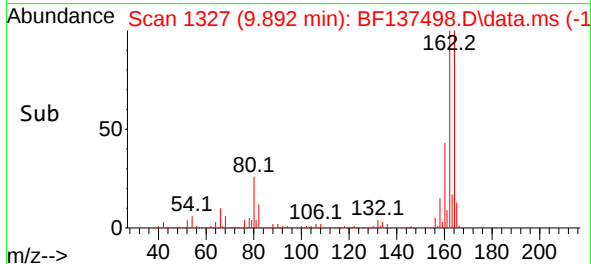
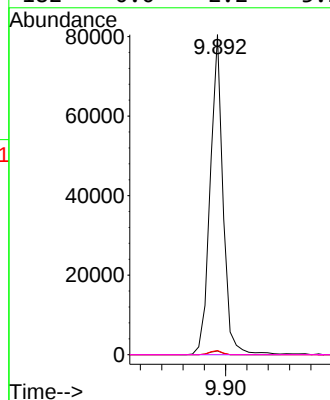
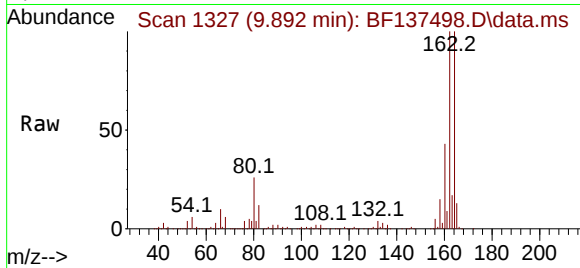




#57  
2,4-Dinitrotoluene  
Concen: 7.285 ng  
RT: 9.892 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

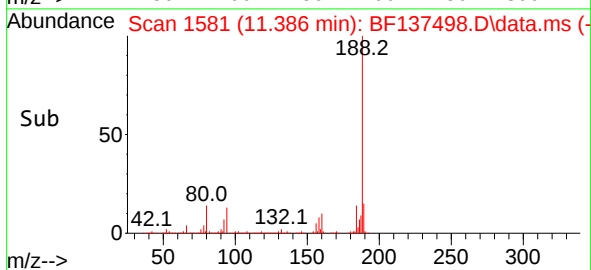
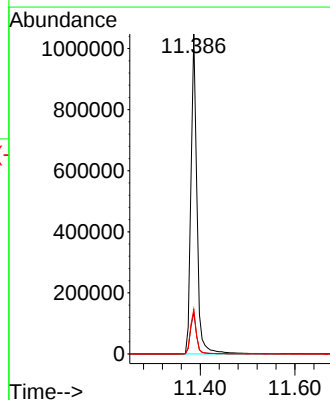
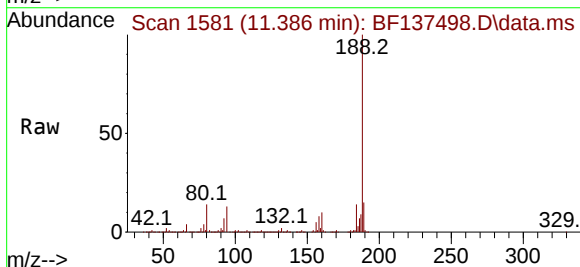
Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

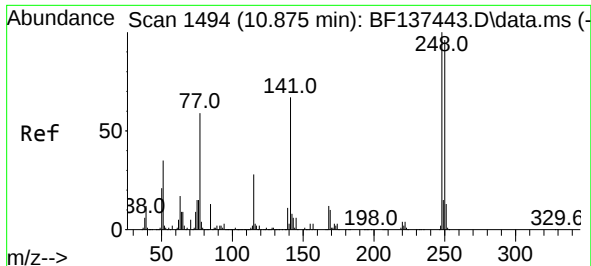
Tgt Ion:165 Resp: 67327  
Ion Ratio Lower Upper  
165 100  
63 1.1 39.0 58.6#  
89 1.3 60.9 91.3#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion:188 Resp: 915837  
Ion Ratio Lower Upper  
188 100  
94 12.9 10.6 15.8  
80 14.0 11.5 17.3

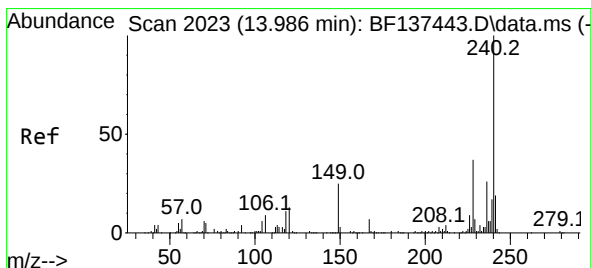
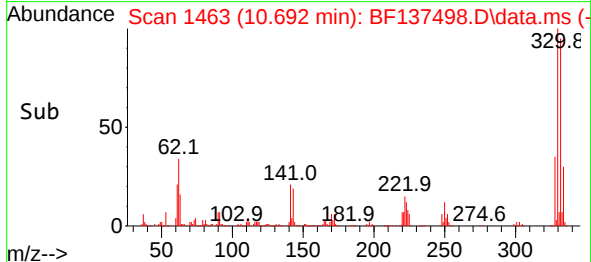
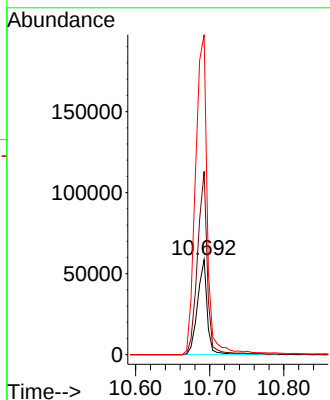
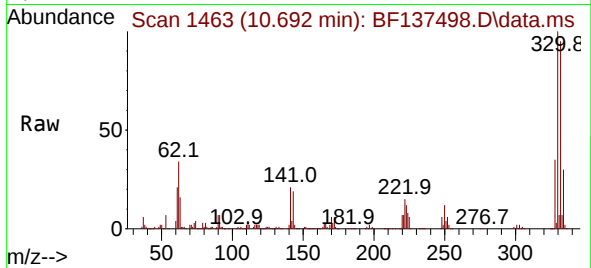




#67  
4-Bromophenyl-phenylether  
Concen: 5.366 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.241 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

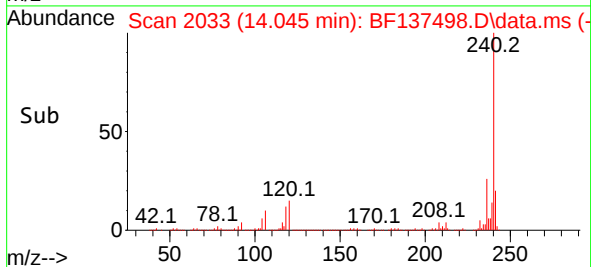
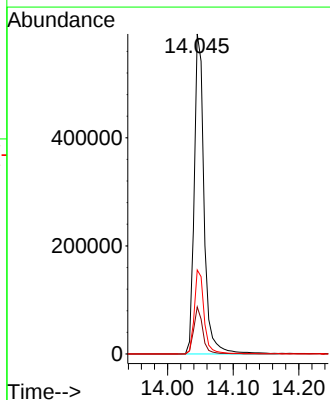
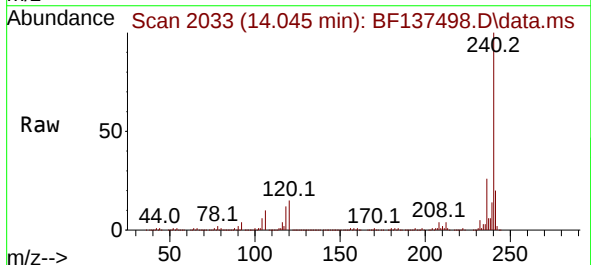
Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

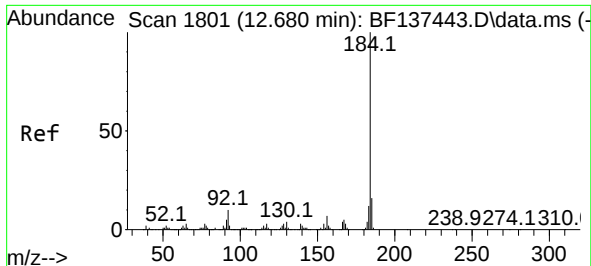
Tgt Ion:248 Resp: 53524  
Ion Ratio Lower Upper  
248 100  
250 192.9 76.8 115.2#  
141 336.6 53.4 80.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion:240 Resp: 621512  
Ion Ratio Lower Upper  
240 100  
120 14.7 10.4 15.6  
236 26.3 20.9 31.3

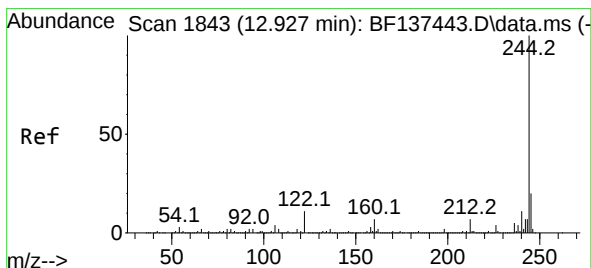
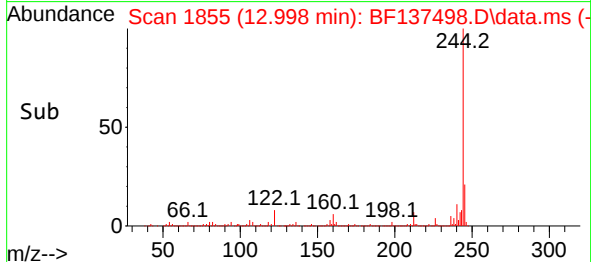
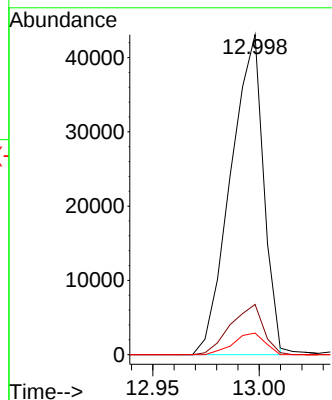
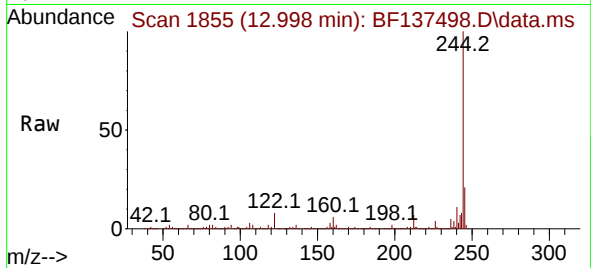




#77  
Benzidine  
Concen: 3.046 ng  
RT: 12.998 min Scan# 1855  
Delta R.T. 0.259 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

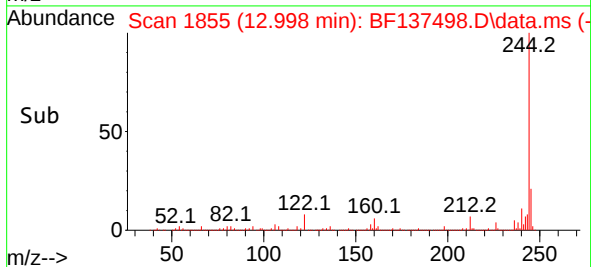
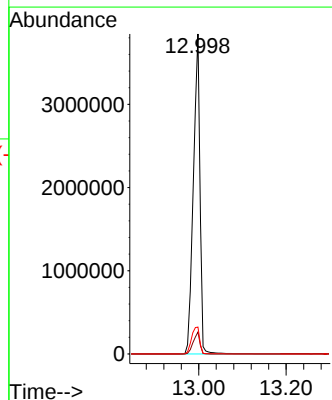
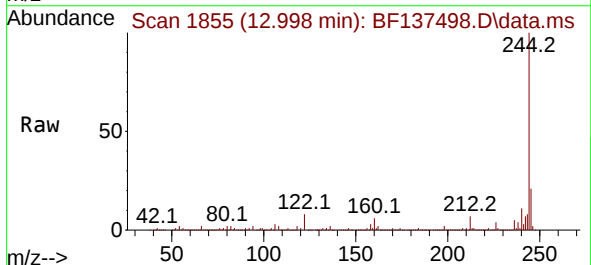
Instrument :  
BNA\_F  
ClientSampleId :  
PB159401TB

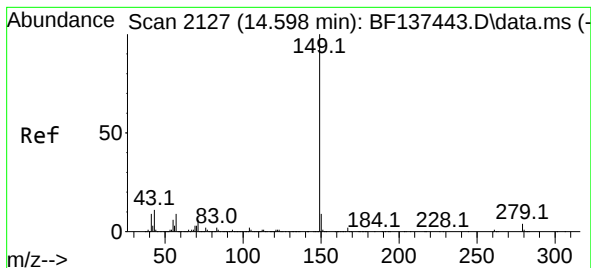
Tgt Ion:184 Resp: 46335  
Ion Ratio Lower Upper  
184 100  
185 15.7 13.2 19.8  
183 6.8 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 89.113 ng  
RT: 12.998 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: BF137498.D  
Acq: 05 Mar 2024 13:54

Tgt Ion:244 Resp: 4027675  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.2  
122 8.4 9.1 13.7#





#85

Di-n-octyl phthalate

Concen: 5.621 ng

RT: 14.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137498.D

Acq: 05 Mar 2024 13:54

Instrument :

BNA\_F

ClientSampleId :

PB159401TB

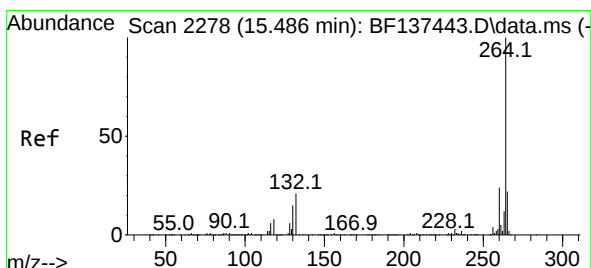
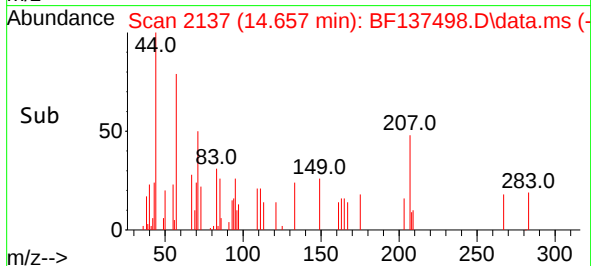
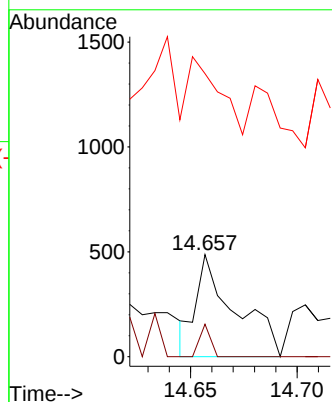
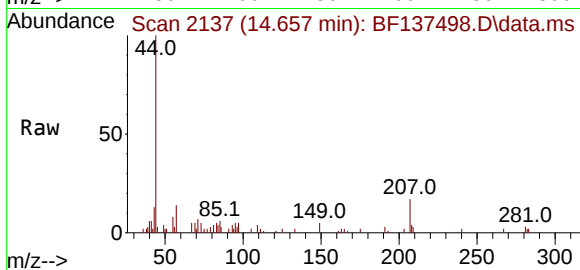
Tgt Ion:149 Resp: 620

Ion Ratio Lower Upper

149 100

167 8.9 1.2 1.8#

43 0.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2294

Delta R.T. 0.012 min

Lab File: BF137498.D

Acq: 05 Mar 2024 13:54

Tgt Ion:264 Resp: 472101

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.1 17.4 26.0

