

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110223\  
 Data File : BF136110.D  
 Acq On : 02 Nov 2023 22:37  
 Operator : CG\JU  
 Sample : 05049-08  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 02 23:08:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

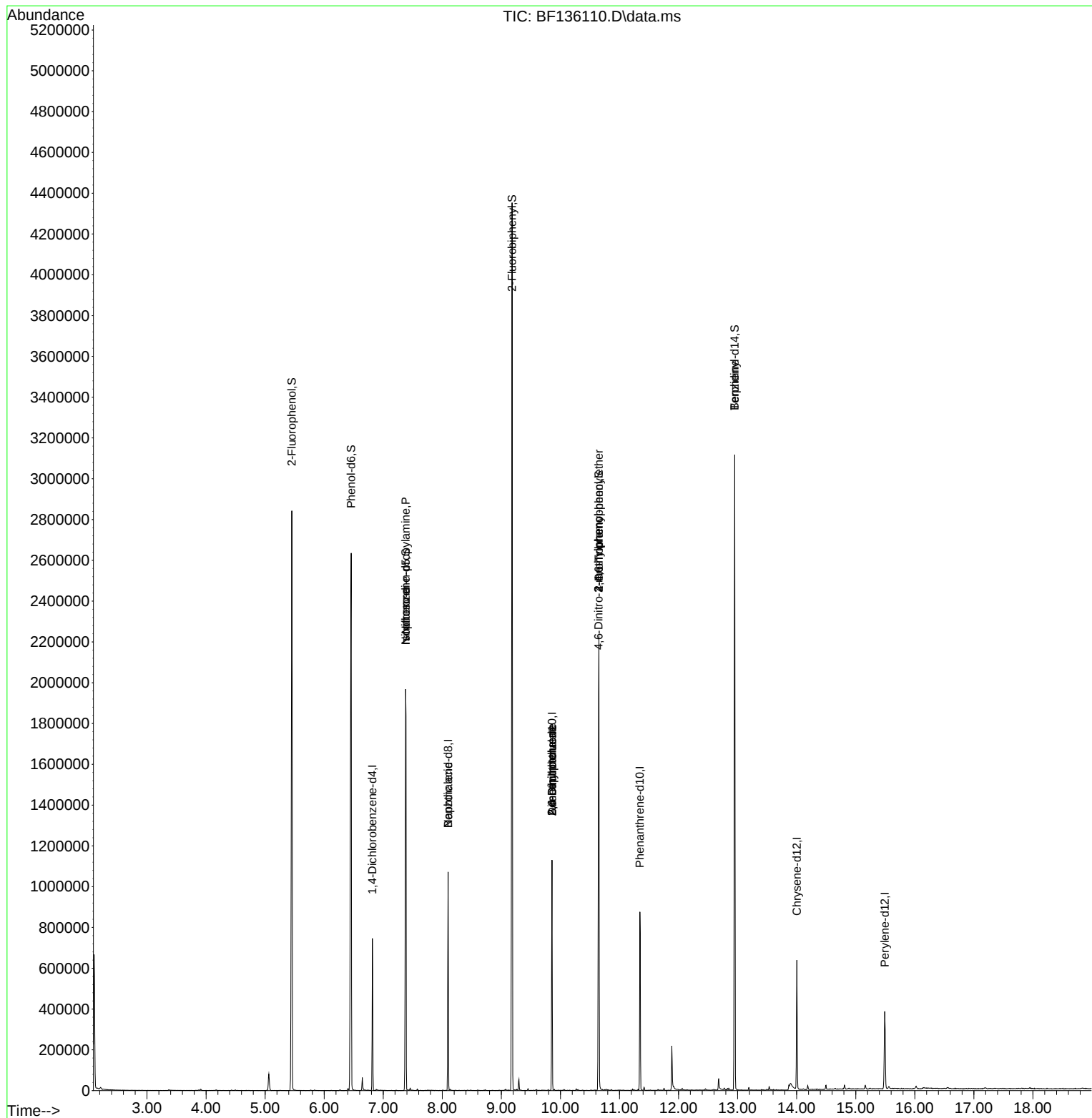
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 100876   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.098  | 136  | 398512   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.857  | 164  | 199105   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 321606   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.004 | 240  | 199428   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 171781   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 877574   | 136.705 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 1077334  | 134.696 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 688359   | 104.127 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 279732   | 131.626 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1238145  | 99.130  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1079561  | 84.124  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 93287    | 20.413  | ng    | # 78     |
| 25) Isophorone                | 7.381  | 82   | 688344   | 55.154  | ng    | # 64     |
| 32) Benzoic acid              | 8.098  | 122  | 75       | 5.129   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.857  | 163  | 41047    | 3.125   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 25165    | 8.959   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 25165    | 7.081   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 557      | 6.068   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 18246    | 5.411   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 13598    | 3.498   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

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

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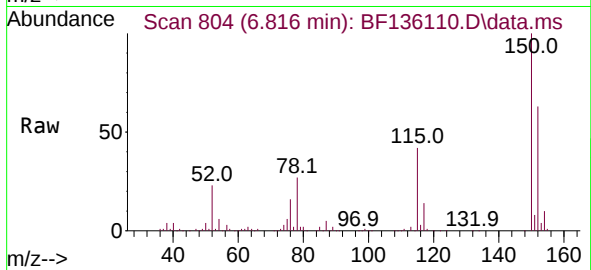
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 31 01:13:02 2023  
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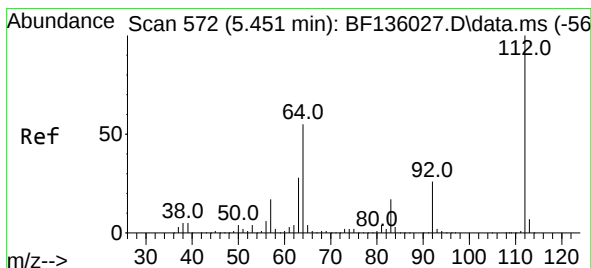
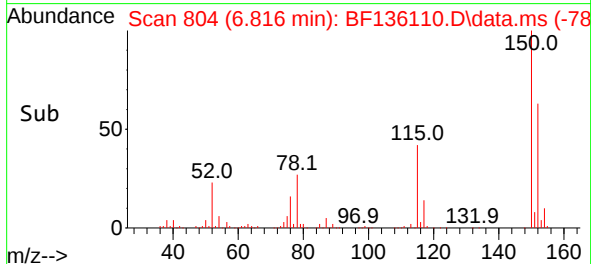
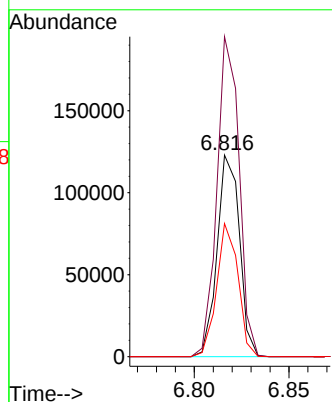


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 806  
Delta R.T. -0.012 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Instrument :  
BNA\_F  
ClientSampleId :

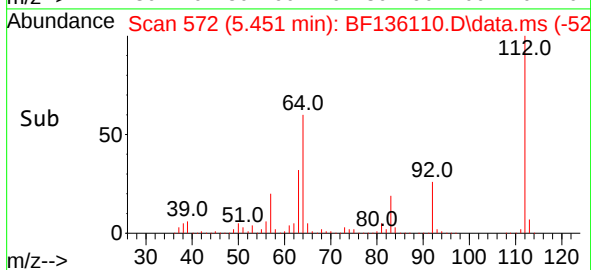
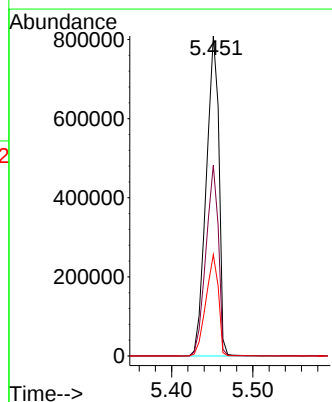
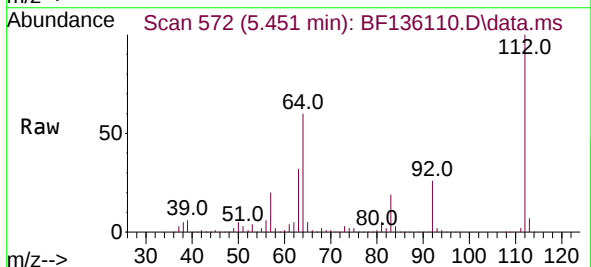


Tgt Ion:152 Resp: 100876  
Ion Ratio Lower Upper  
152 100  
150 158.7 126.4 189.6  
115 66.1 47.0 70.4



#5  
2-Fluorophenol  
Concen: 136.705 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.000 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Tgt Ion:112 Resp: 877574  
Ion Ratio Lower Upper  
112 100  
64 59.7 43.9 65.9  
63 31.7 22.4 33.6





#7

Phenol-d6

Concen: 134.696 ng

RT: 6.457 min Scan# 743

Delta R.T. 0.000 min

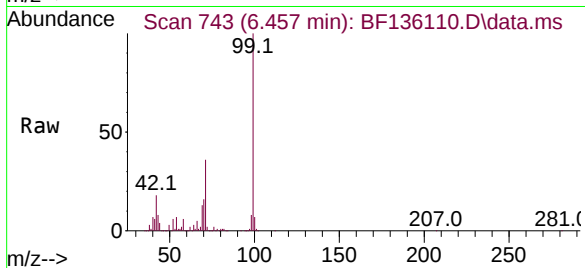
Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Instrument :

BNA\_F

ClientSampleId :



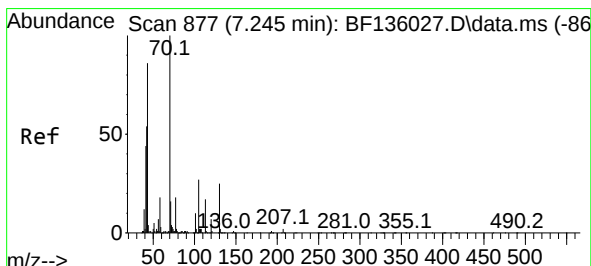
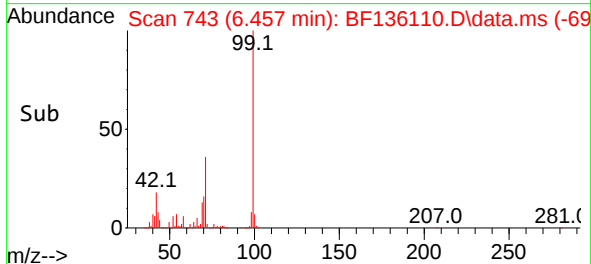
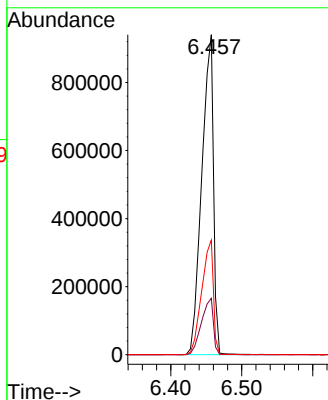
Tgt Ion: 99 Resp: 1077334

Ion Ratio Lower Upper

99 100

42 17.7 13.7 20.5

71 35.8 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 20.413 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.135 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Tgt Ion: 70 Resp: 93287

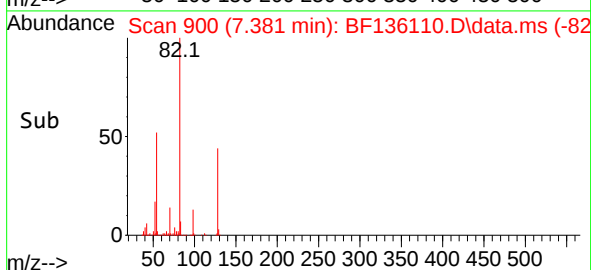
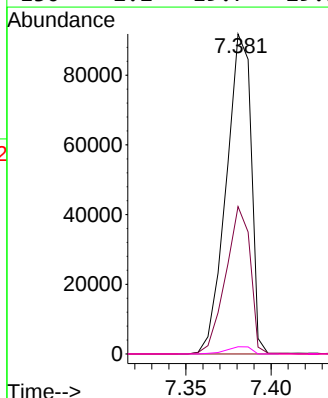
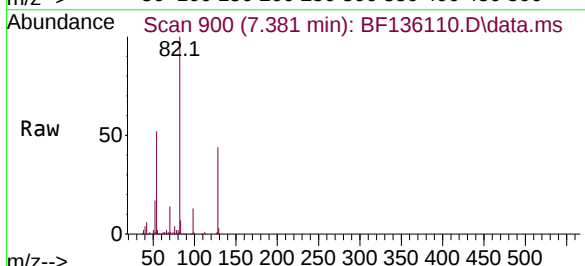
Ion Ratio Lower Upper

70 100

42 46.0 43.0 64.4

101 0.0 8.0 12.0#

130 2.2 19.7 29.5#

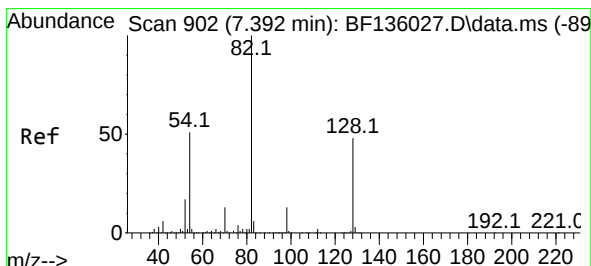
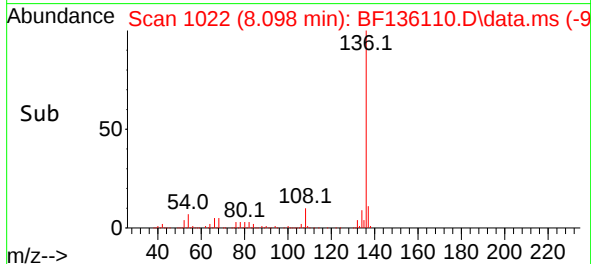
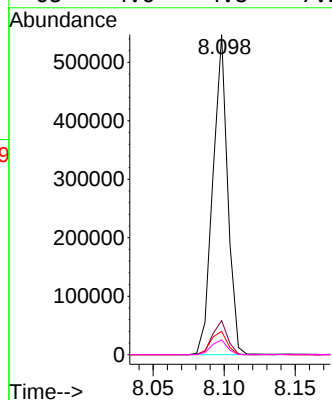
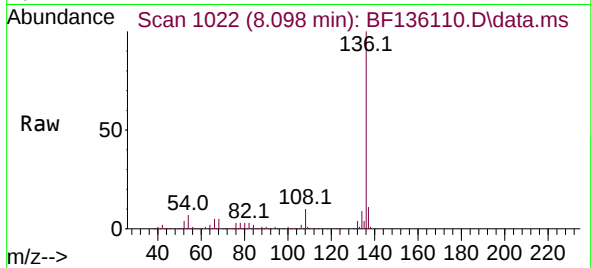




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

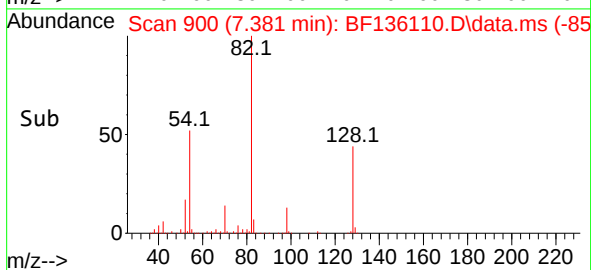
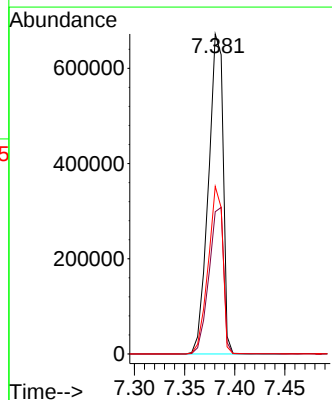
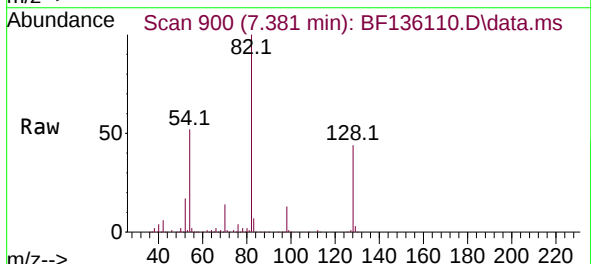
Instrument :  
BNA\_F  
ClientSampleId :

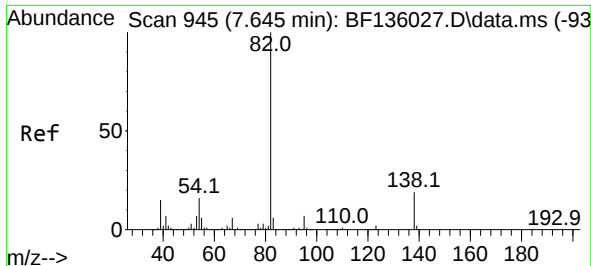
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 398512 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.6 13.0     |
| 54 7.3      | 6.6 9.8      |
| 68 4.6      | 4.8 7.2#     |



#23  
Nitrobenzene-d5  
Concen: 104.127 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 688359 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.4    | 38.6 57.8    |
| 54 52.4     | 40.8 61.2    |

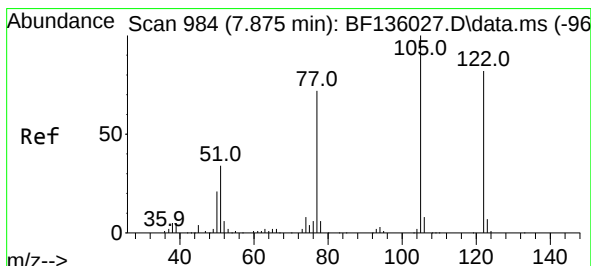
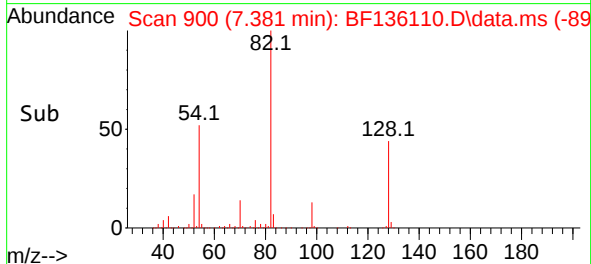
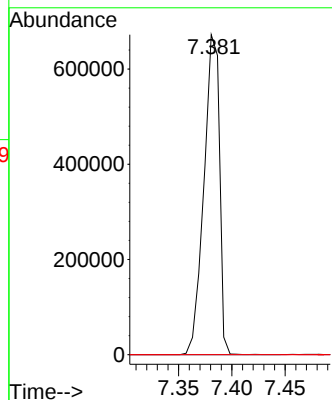
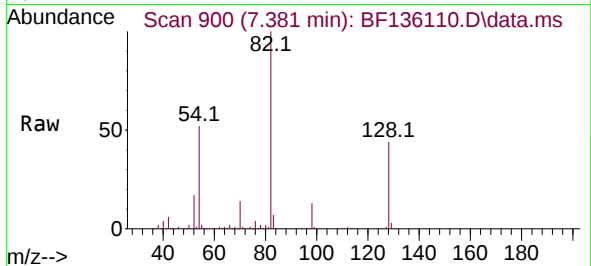




#25  
Isophorone  
Concen: 55.154 ng  
RT: 7.381 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

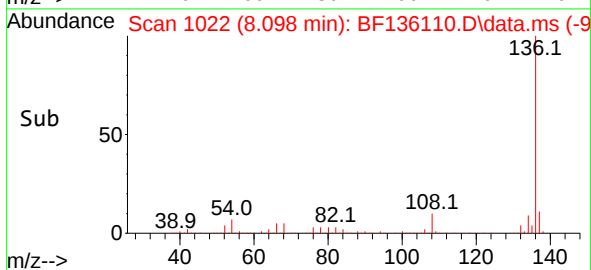
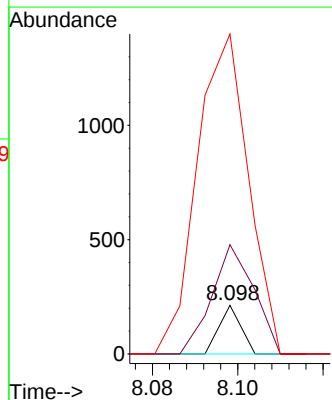
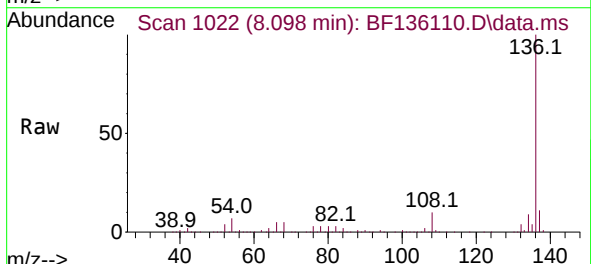
Instrument :  
BNA\_F  
ClientSampleId :

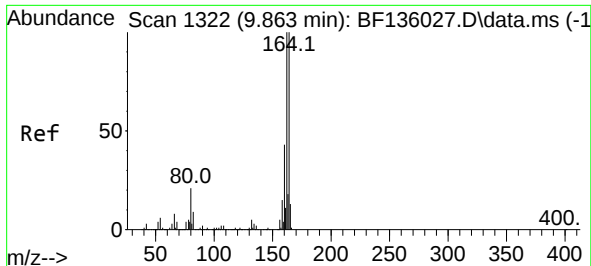
Tgt Ion: 82 Resp: 688344  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 15.3 22.9#



#32  
Benzoic acid  
Concen: 5.129 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.223 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Tgt Ion:122 Resp: 75  
Ion Ratio Lower Upper  
122 100  
105 224.4 99.5 139.5#  
77 657.3 66.8 106.8#

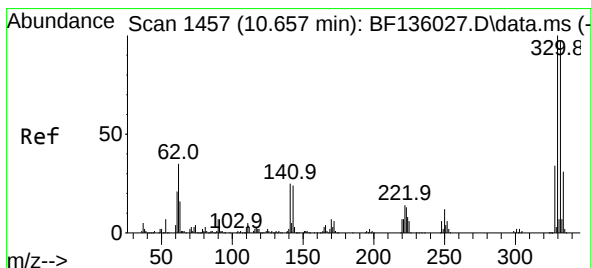
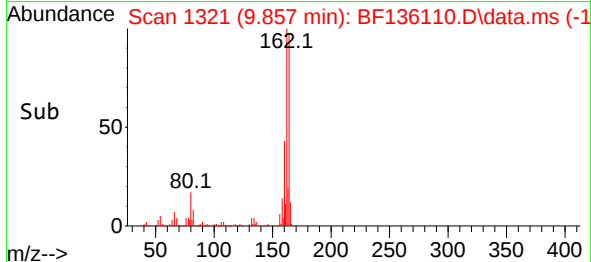
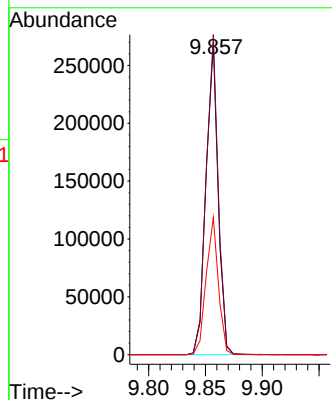
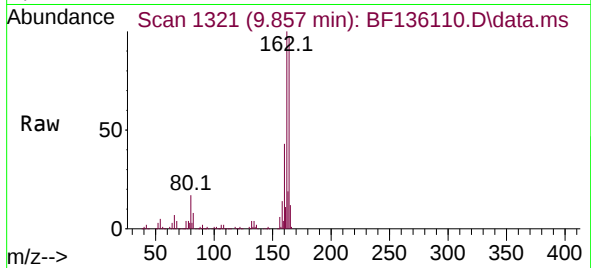




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

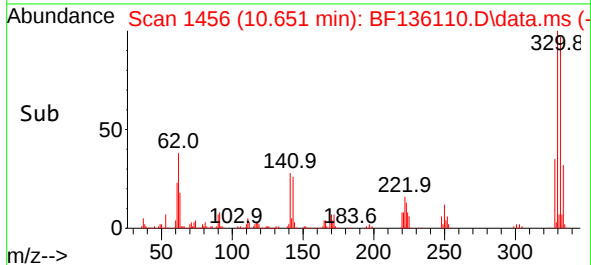
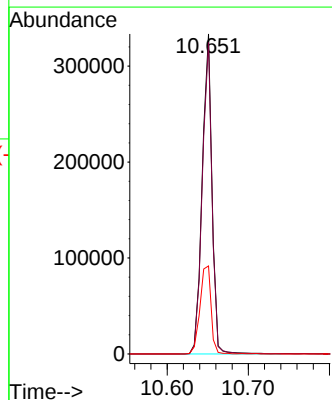
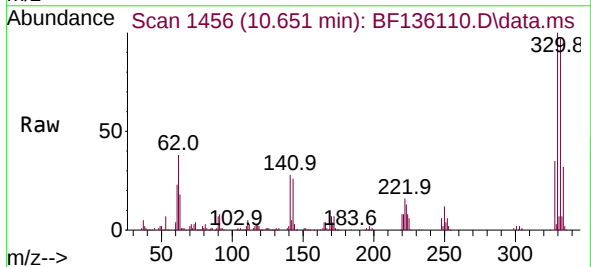
Instrument :  
BNA\_F  
ClientSampleId :

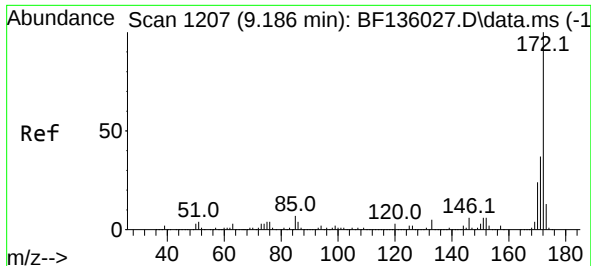
Tgt Ion:164 Resp: 199105  
Ion Ratio Lower Upper  
164 100  
162 102.8 80.1 120.1  
160 44.1 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 131.626 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Tgt Ion:330 Resp: 279732  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.9 115.3  
141 31.1 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 99.130 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

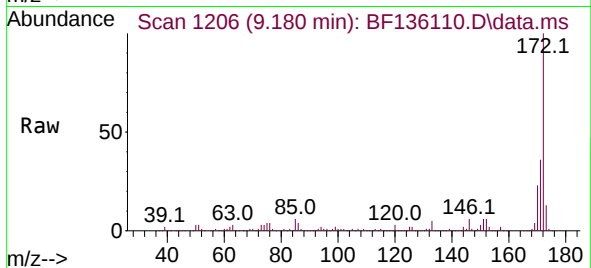
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Instrument :

BNA\_F

ClientSampleId :



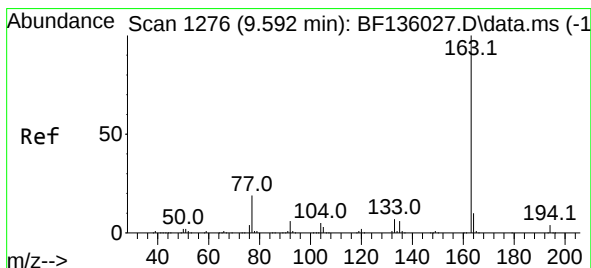
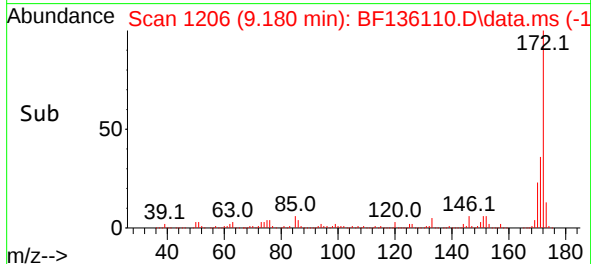
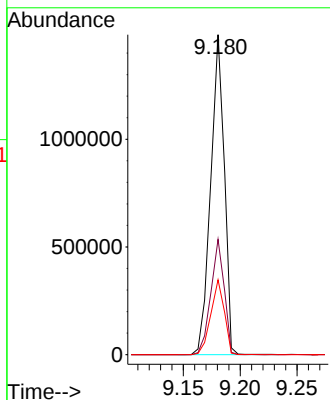
Tgt Ion:172 Resp: 1238145

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.4 19.3 28.9



#50

Dimethylphthalate

Concen: 3.125 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

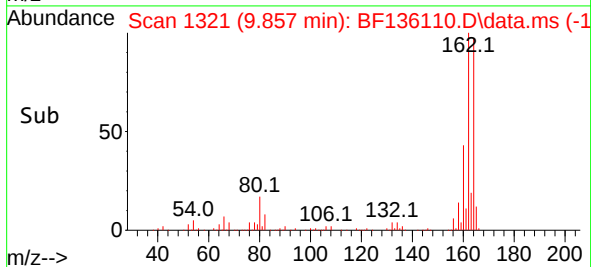
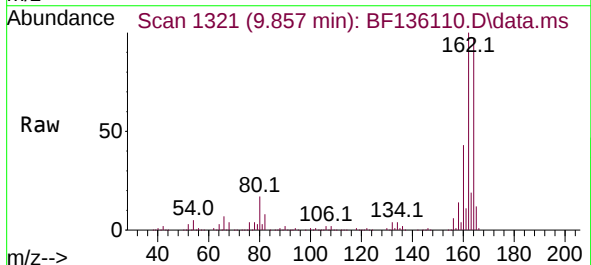
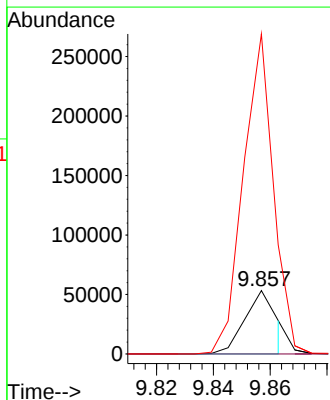
Tgt Ion:163 Resp: 41047

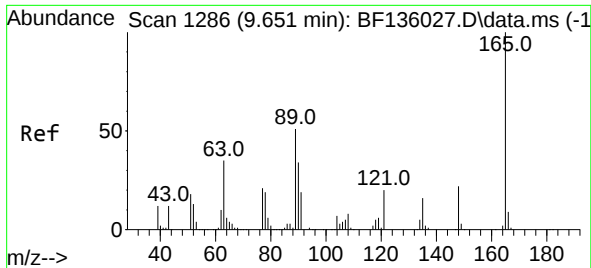
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 504.9 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.959 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.206 min

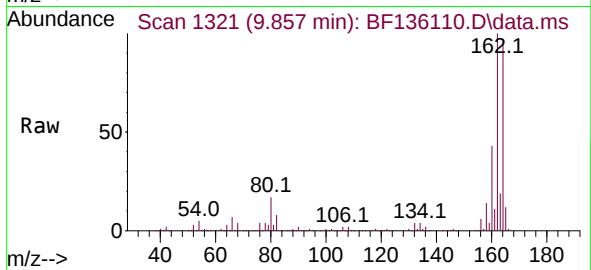
Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Instrument :

BNA\_F

ClientSampleId :



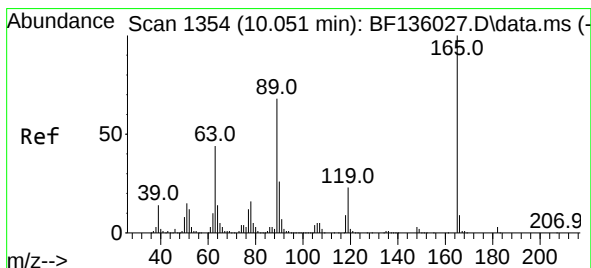
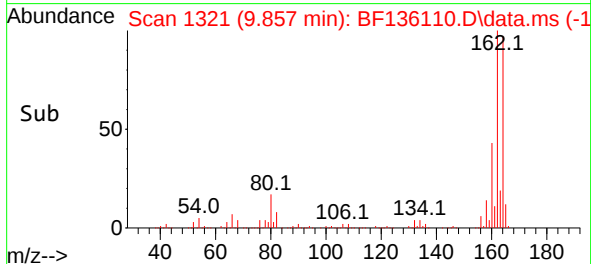
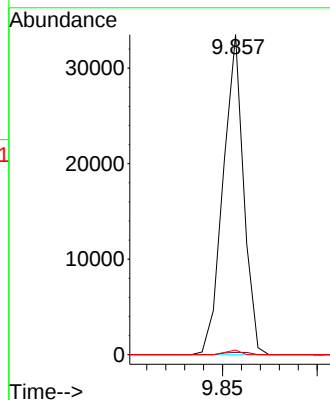
Tgt Ion:165 Resp: 25165

Ion Ratio Lower Upper

165 100

63 0.7 40.8 61.2#

89 1.4 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.081 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Tgt Ion:165 Resp: 25165

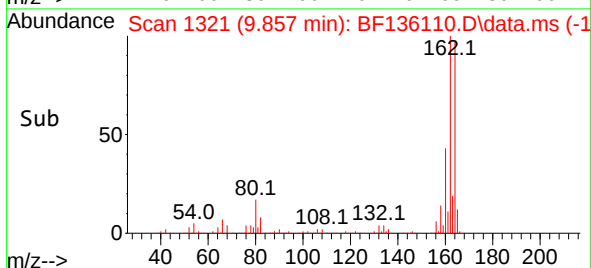
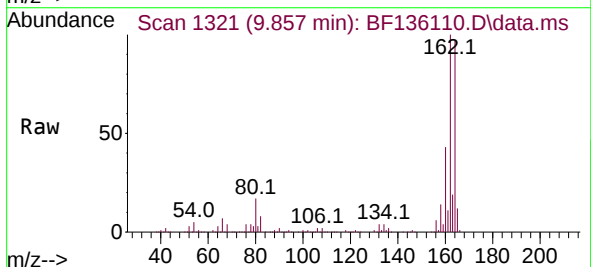
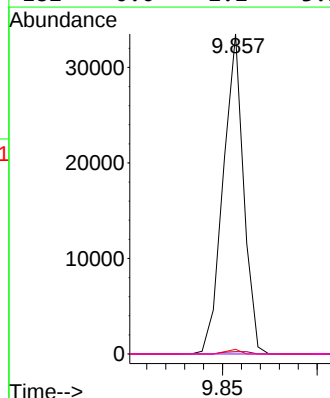
Ion Ratio Lower Upper

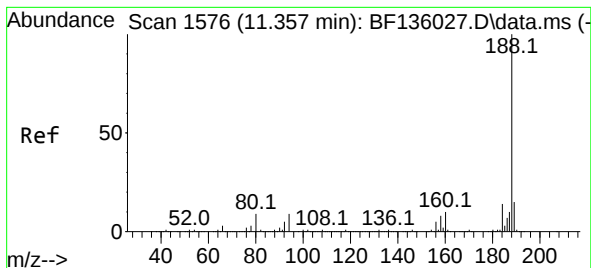
165 100

63 0.7 35.2 52.8#

89 1.4 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

Instrument :

BNA\_F

ClientSampleId :

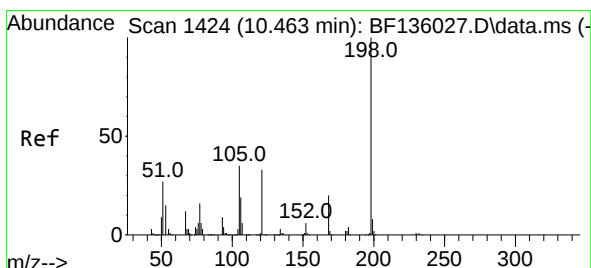
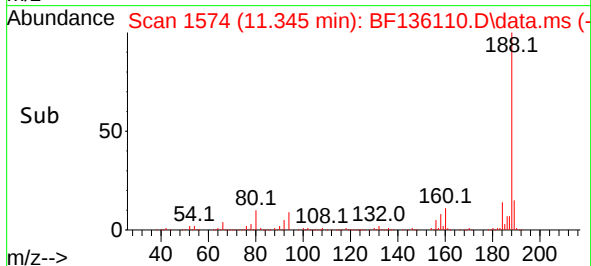
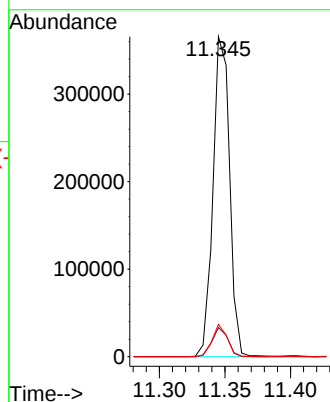
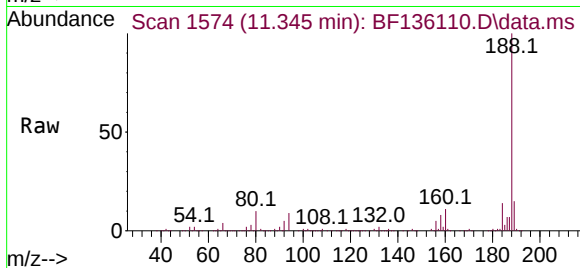
Tgt Ion:188 Resp: 321606

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 10.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.068 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136110.D

Acq: 02 Nov 2023 22:37

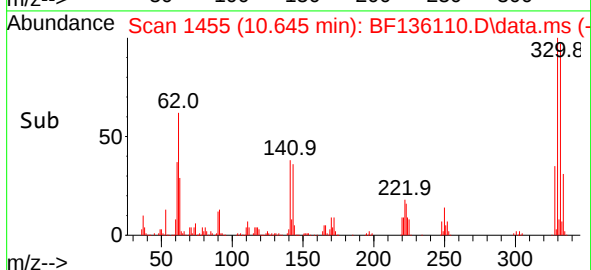
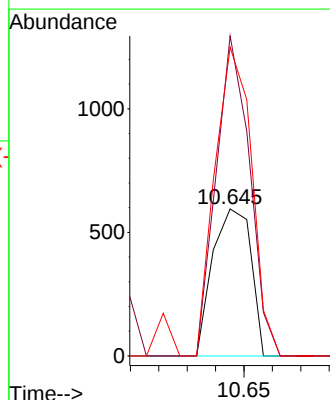
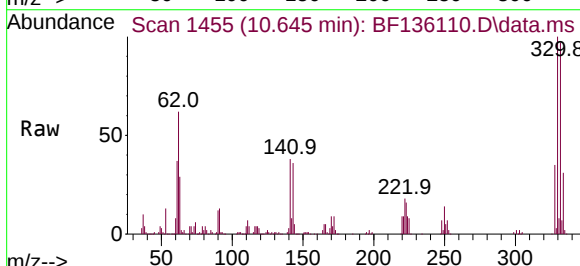
Tgt Ion:198 Resp: 557

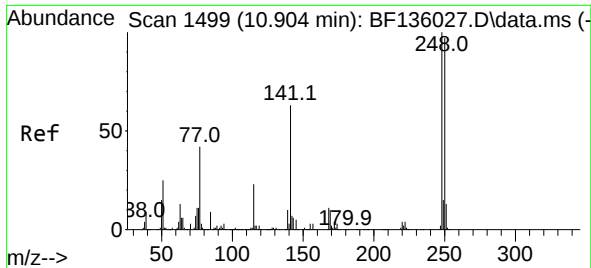
Ion Ratio Lower Upper

198 100

51 217.6 12.9 52.9#

105 210.1 16.0 56.0#

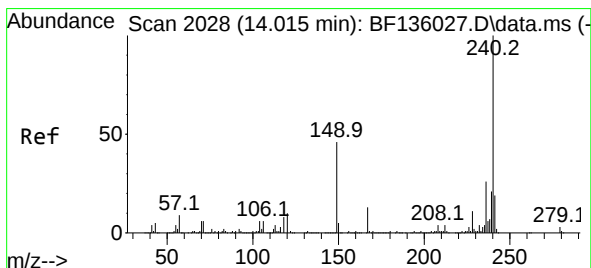
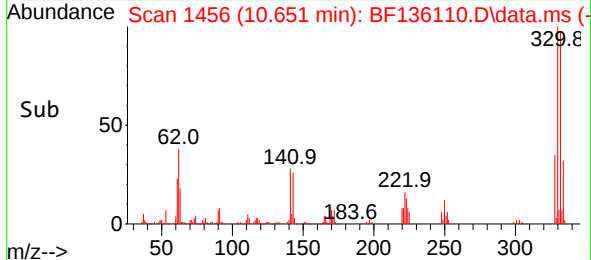
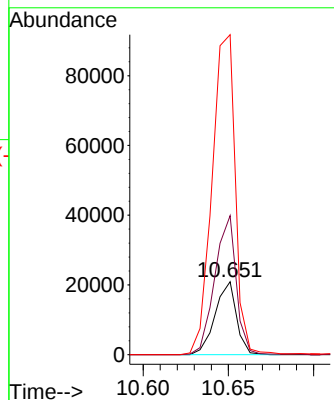
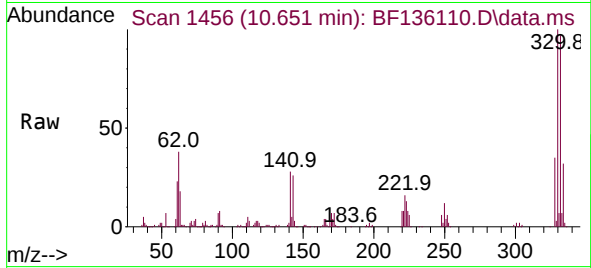




#67  
4-Bromophenyl-phenylether  
Concen: 5.411 ng  
RT: 10.651 min Scan# 1499  
Delta R.T. -0.253 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

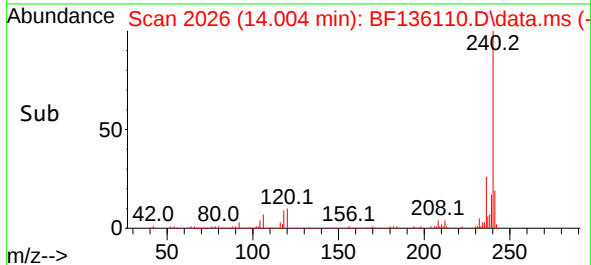
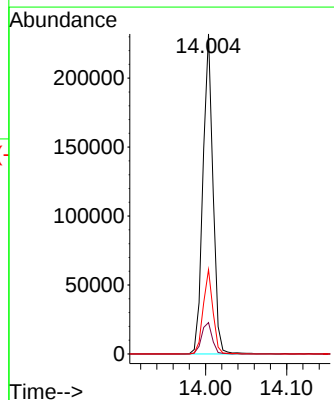
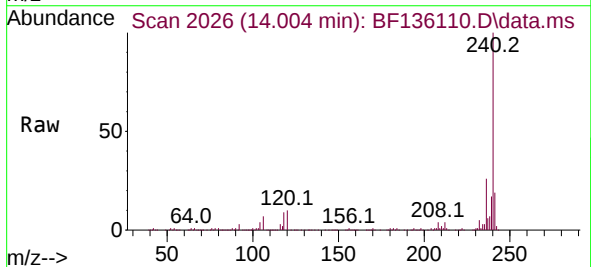
Instrument :  
BNA\_F  
ClientSampleId :

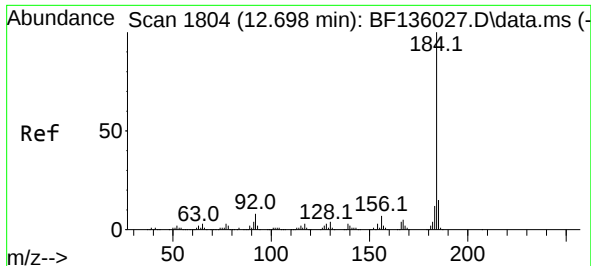
Tgt Ion:248 Resp: 18246  
Ion Ratio Lower Upper  
248 100  
250 190.5 77.6 116.4#  
141 438.2 50.4 75.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.012 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Tgt Ion:240 Resp: 199428  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.6 11.4  
236 26.4 20.6 31.0

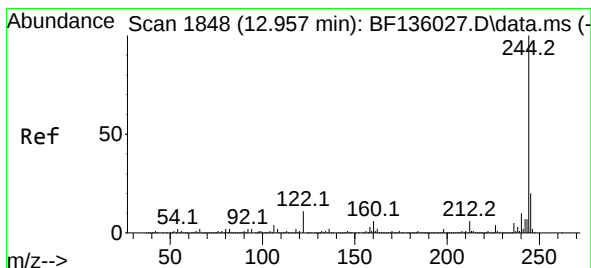
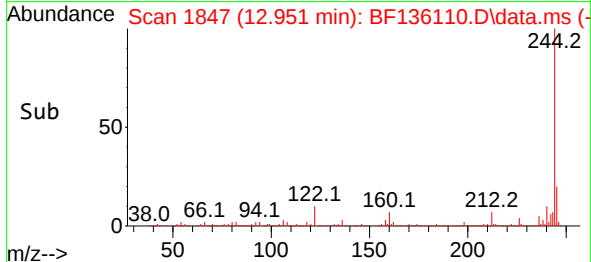
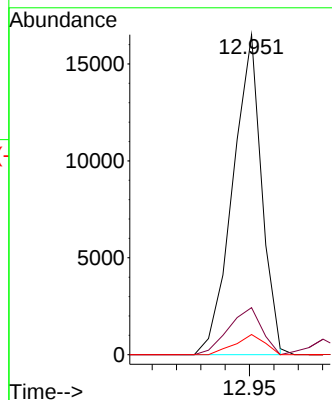
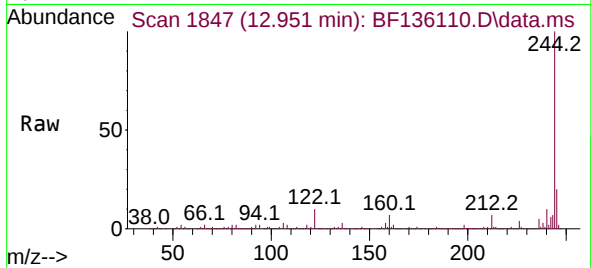




#77  
Benzidine  
Concen: 3.498 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.253 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

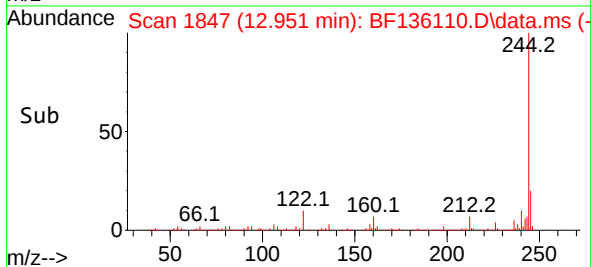
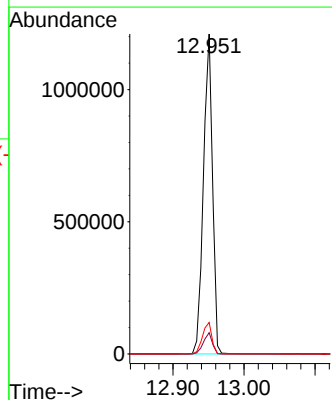
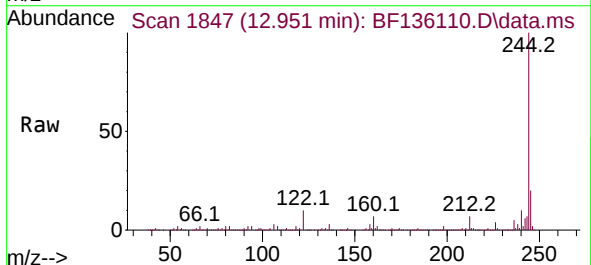
Instrument :  
BNA\_F  
ClientSampleId :

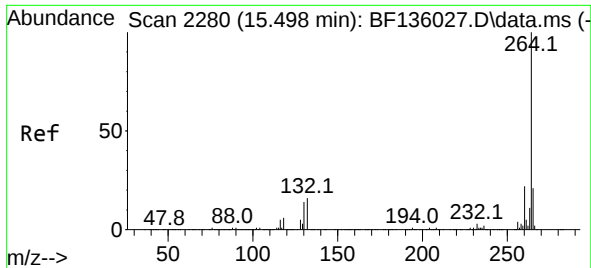
Tgt Ion:184 Resp: 13598  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.8 17.8  
183 6.3 9.5 14.3#



#79  
Terphenyl-d14  
Concen: 84.124 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.006 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

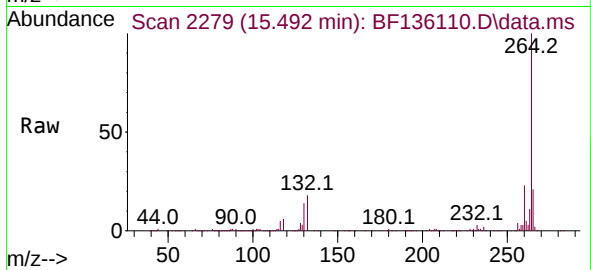
Tgt Ion:244 Resp: 1079561  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.1 7.7  
122 9.9 8.6 12.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF136110.D  
Acq: 02 Nov 2023 22:37

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:264 Resp: 171781  
Ion Ratio Lower Upper  
264 100  
260 23.0 17.9 26.9  
265 20.6 16.8 25.2

