

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050324\  
 Data File : BF137831.D  
 Acq On : 03 May 2024 16:19  
 Operator : CG\JU  
 Sample : P2354-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V359

Quant Time: May 03 16:45:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

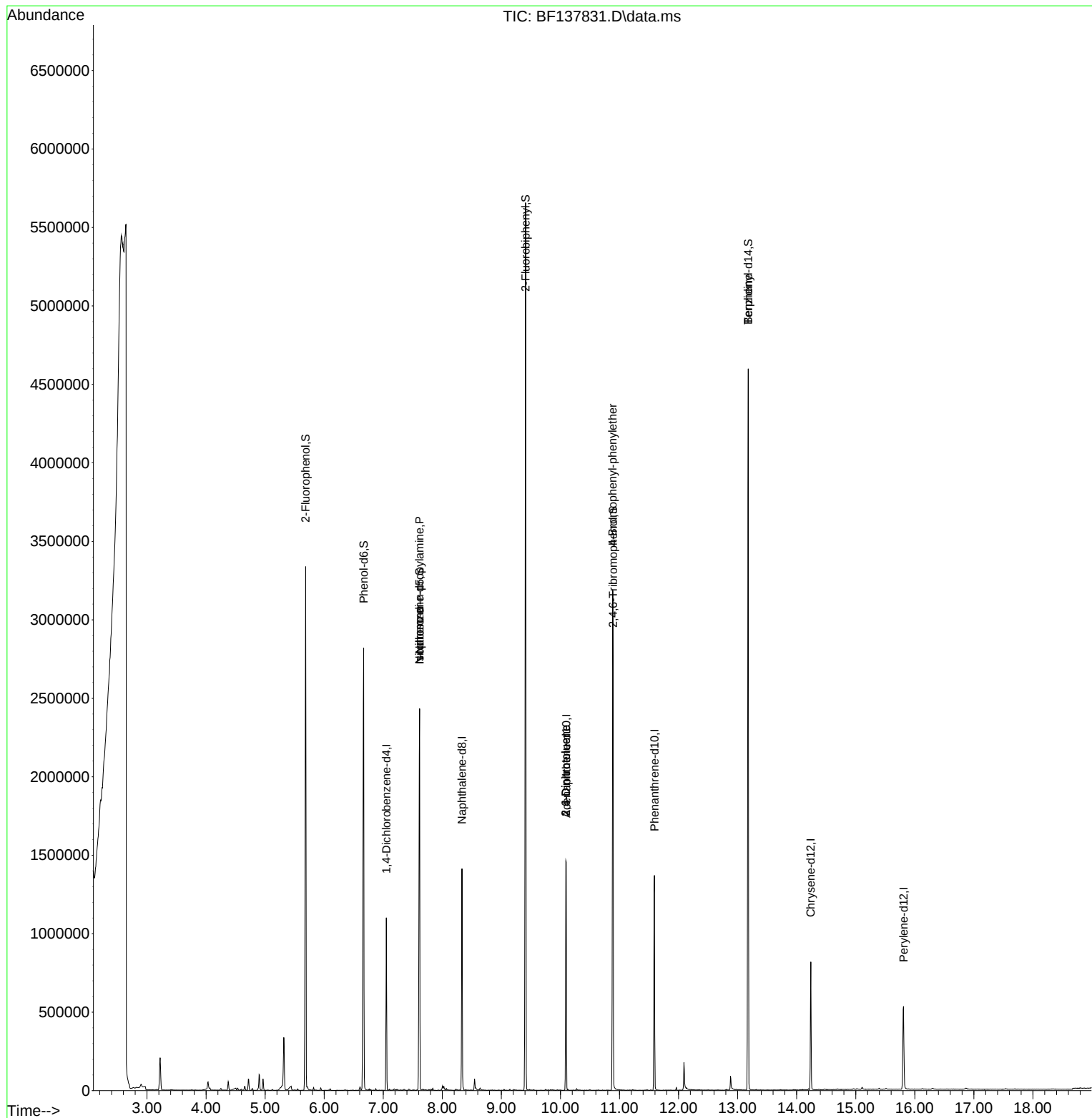
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.051  | 152  | 145199   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.333  | 136  | 573104   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 10.098 | 164  | 331212   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.592 | 188  | 510812   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.239 | 240  | 258139   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.809 | 264  | 259687   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.687  | 112  | 986326   | 113.733 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.669  | 99   | 1102785  | 100.254 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.616  | 82   | 844093   | 85.570  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.892 | 330  | 441671   | 130.604 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.410  | 172  | 1746710  | 85.558  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.180 | 244  | 1579847  | 102.565 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.616  | 70   | 111464   | 16.956  | ng    | # 75     |
| 25) Isophorone                | 7.616  | 82   | 844081   | 47.459  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.092 | 165  | 44096    | 9.228   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 44096    | 7.064   | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 28886    | 5.284   | ng    | # 1      |
| 77) Benzydine                 | 13.180 | 184  | 18842    | 3.156   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

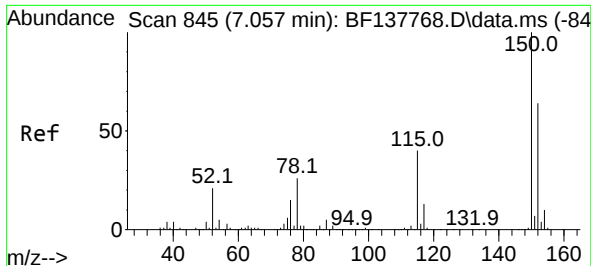
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 03:25:08 2024  
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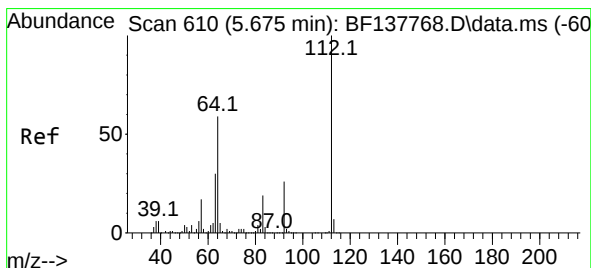
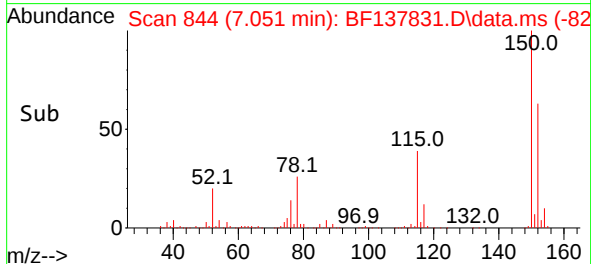
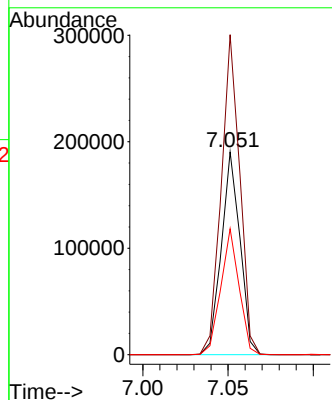
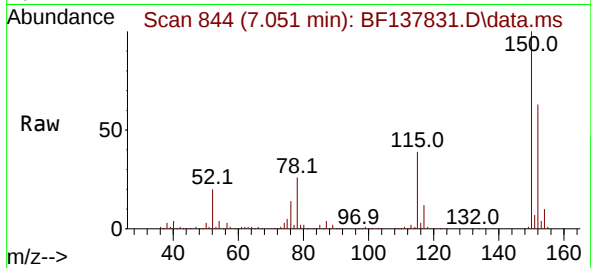




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.051 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

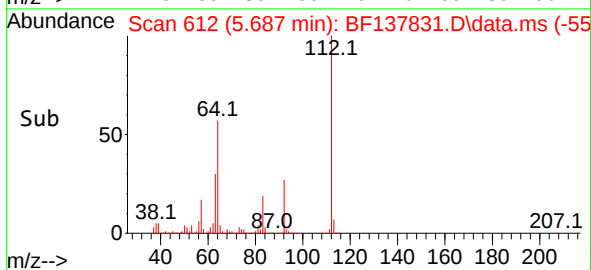
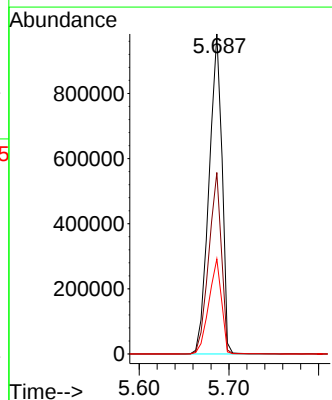
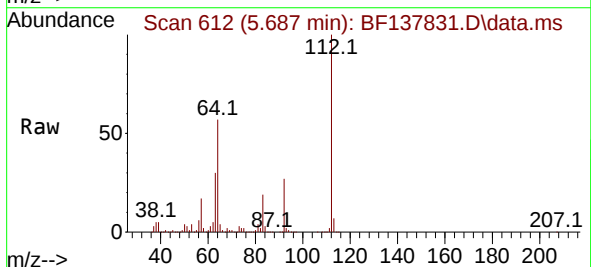
Instrument :  
BNA\_F  
ClientSampleId :  
V359

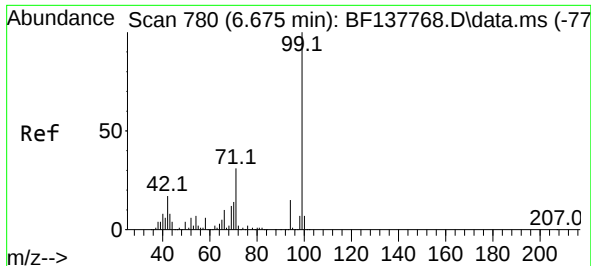
Tgt Ion:152 Resp: 145199  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.1 186.1  
115 62.1 49.1 73.7



#5  
2-Fluorophenol  
Concen: 113.733 ng  
RT: 5.687 min Scan# 612  
Delta R.T. 0.012 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

Tgt Ion:112 Resp: 986326  
Ion Ratio Lower Upper  
112 100  
64 56.7 47.3 70.9  
63 29.7 23.7 35.5

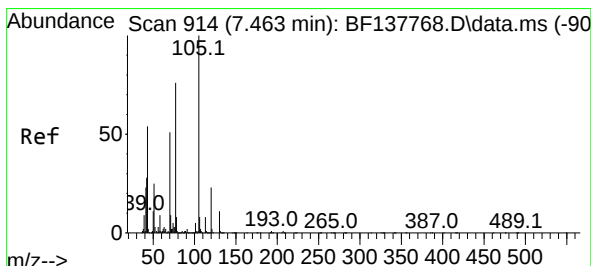
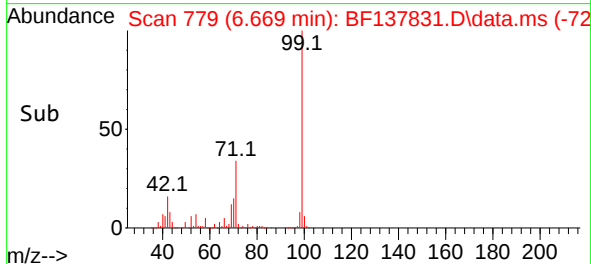
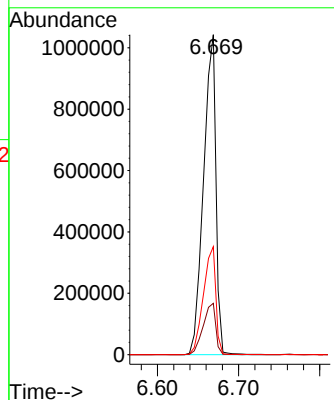
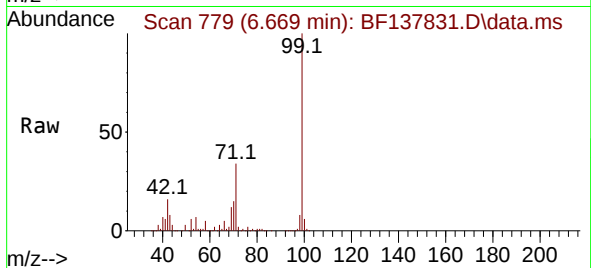




#7  
Phenol-d6  
Concen: 100.254 ng  
RT: 6.669 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

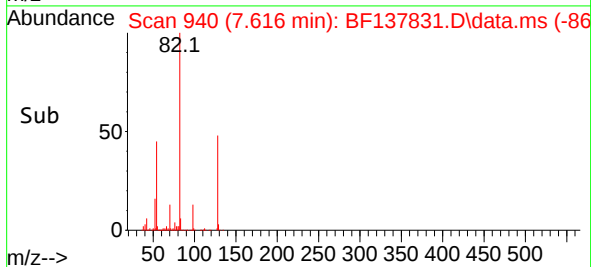
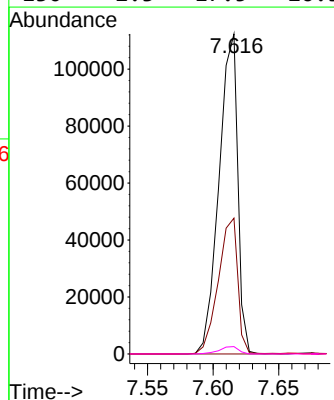
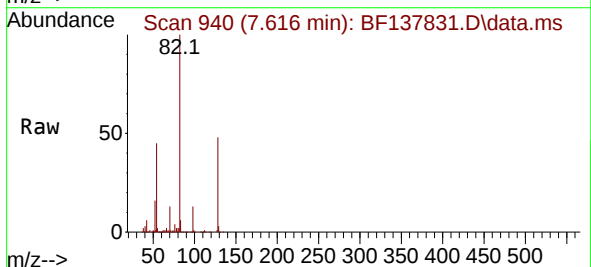
Instrument :  
BNA\_F  
ClientSampleId :  
V359

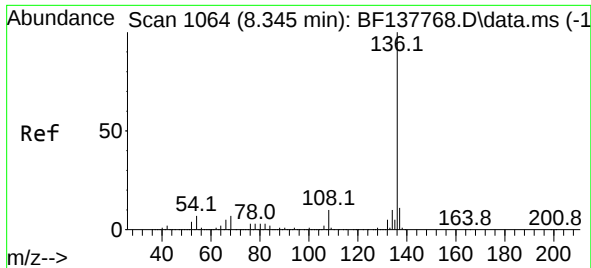
Tgt Ion: 99 Resp: 1102785  
Ion Ratio Lower Upper  
99 100  
42 16.1 13.2 19.8  
71 33.7 25.0 37.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.956 ng  
RT: 7.616 min Scan# 940  
Delta R.T. 0.153 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

Tgt Ion: 70 Resp: 111464  
Ion Ratio Lower Upper  
70 100  
42 42.5 44.6 66.8#  
101 0.0 7.8 11.6#  
130 2.3 17.5 26.3#

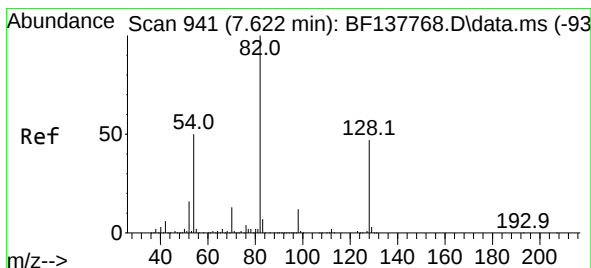
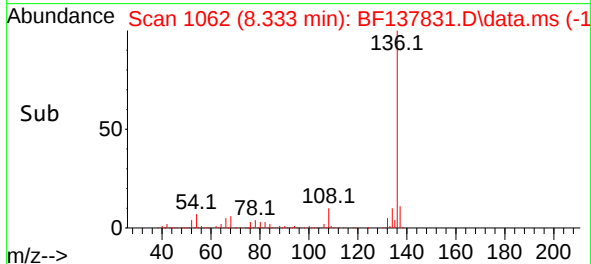
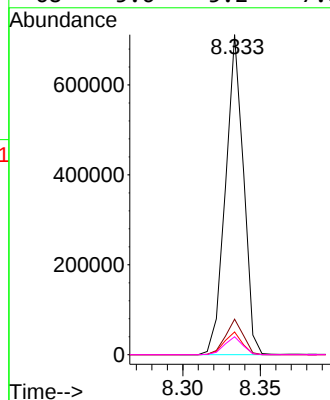
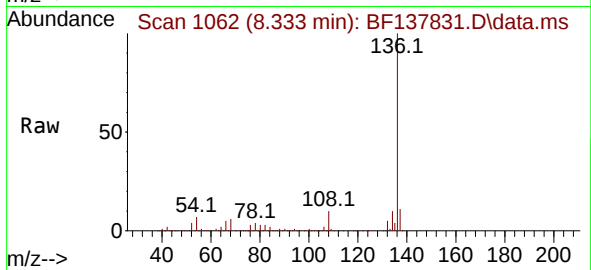




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.333 min Scan# 1062  
Delta R.T. -0.012 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

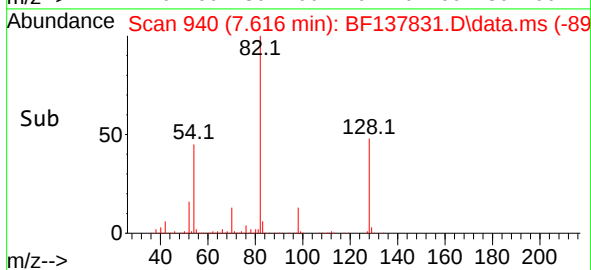
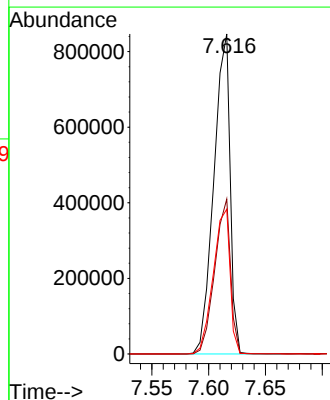
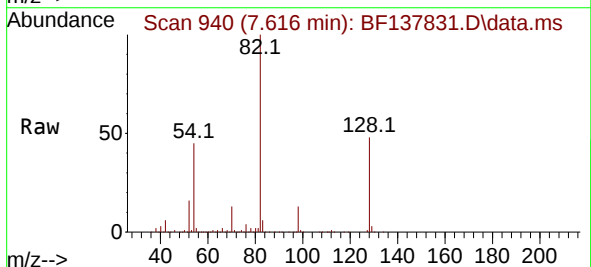
Instrument :  
BNA\_F  
ClientSampleId :  
V359

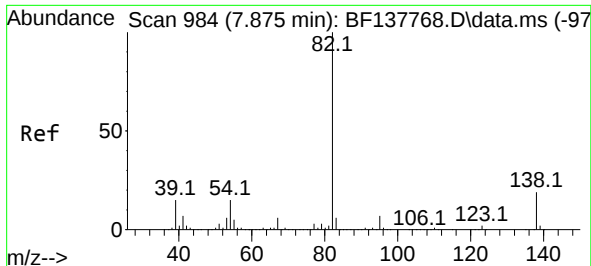
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 573104 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 7.1   | 5.8   | 8.8    |
| 68       | 5.6   | 5.2   | 7.8    |



#23  
Nitrobenzene-d5  
Concen: 85.570 ng  
RT: 7.616 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 844093 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.4  | 37.5  | 56.3   |
| 54       | 45.2  | 39.8  | 59.6   |

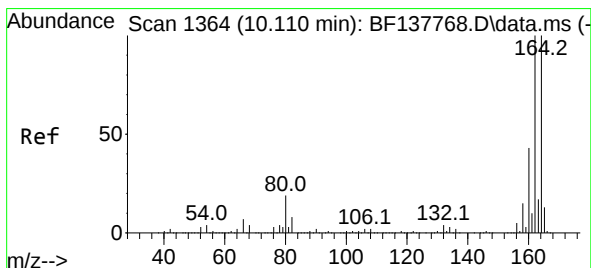
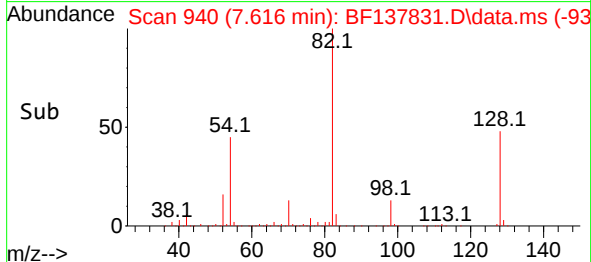
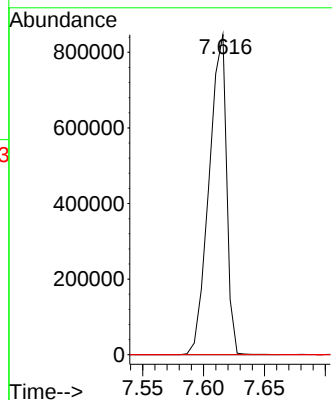
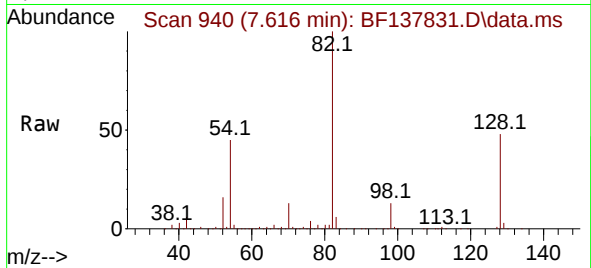




#25  
Isophorone  
Concen: 47.459 ng  
RT: 7.616 min Scan# 94  
Delta R.T. -0.259 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

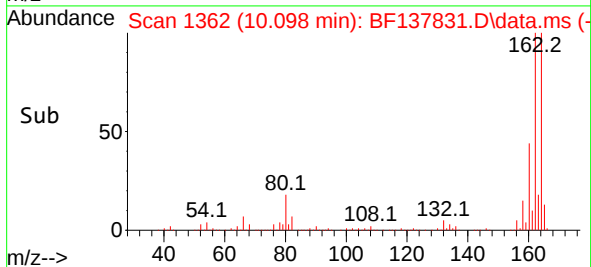
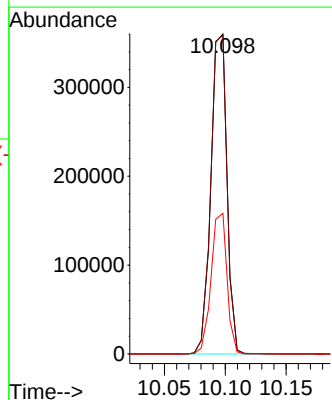
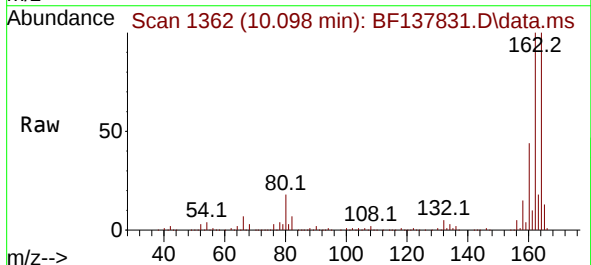
Instrument :  
BNA\_F  
ClientSampleId :  
V359

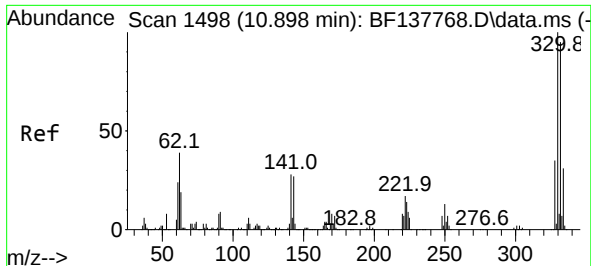
Tgt Ion: 82 Resp: 844081  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 15.0 22.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.098 min Scan# 1362  
Delta R.T. -0.012 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

Tgt Ion:164 Resp: 331212  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.8 119.6  
160 43.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 130.604 ng

RT: 10.892 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF137831.D

Acq: 03 May 2024 16:19

Instrument :

BNA\_F

ClientSampleId :

V359

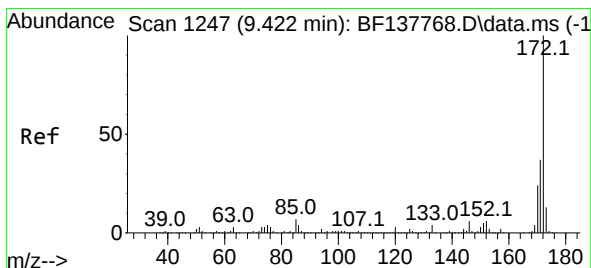
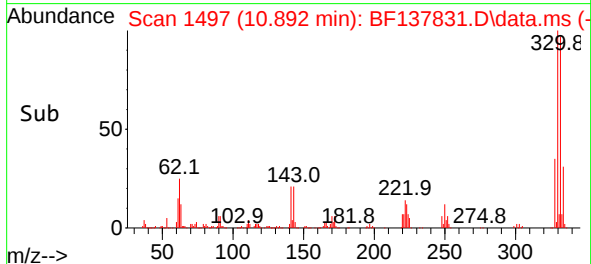
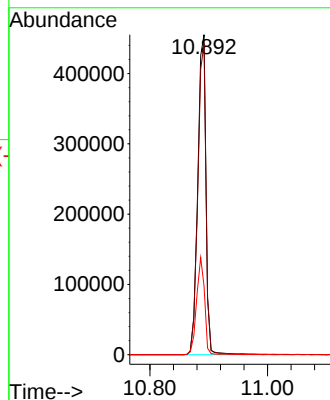
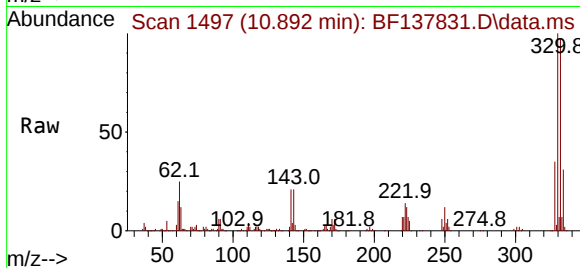
Tgt Ion:330 Resp: 441671

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 29.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 85.558 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.012 min

Lab File: BF137831.D

Acq: 03 May 2024 16:19

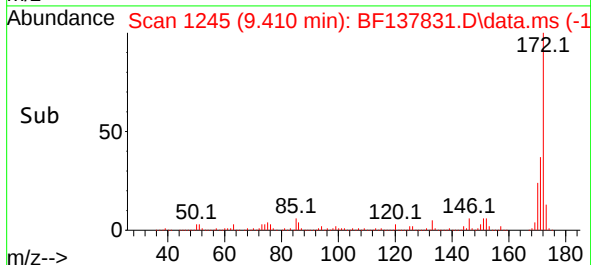
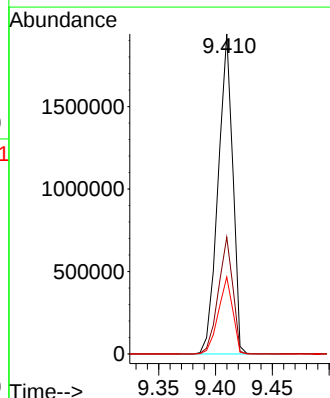
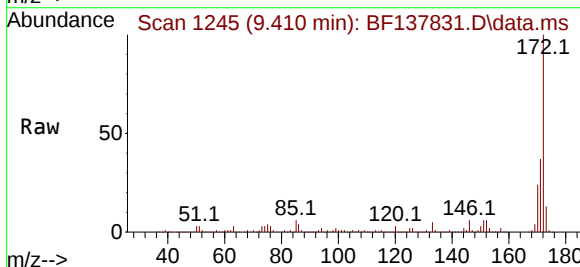
Tgt Ion:172 Resp: 1746710

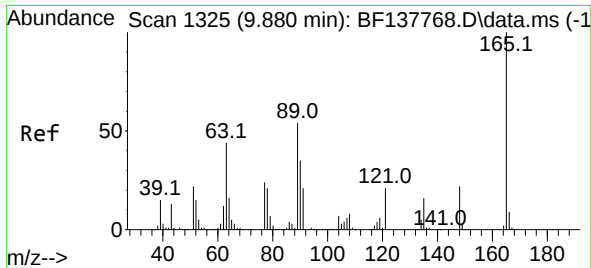
Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 24.0 19.4 29.2

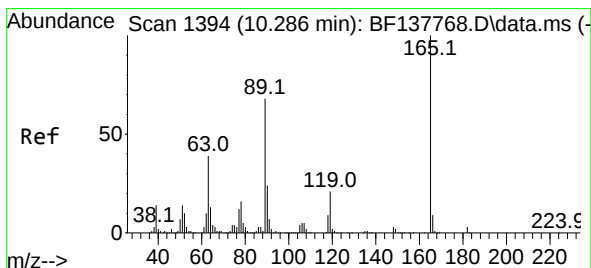
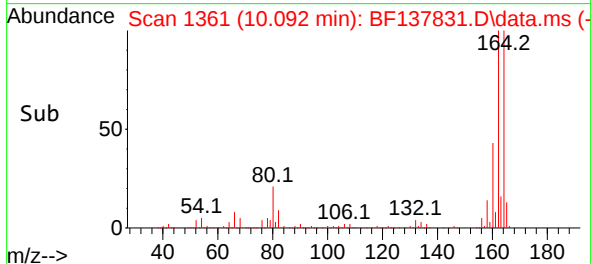
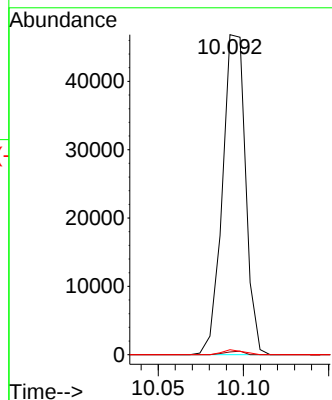
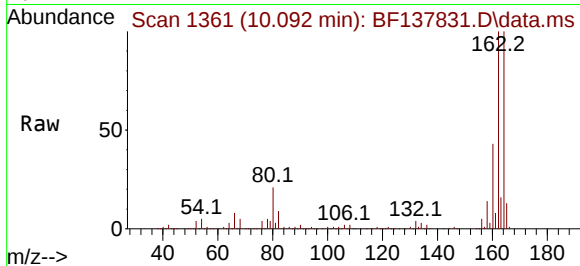




#51  
2,6-Dinitrotoluene  
Concen: 9.228 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. 0.212 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

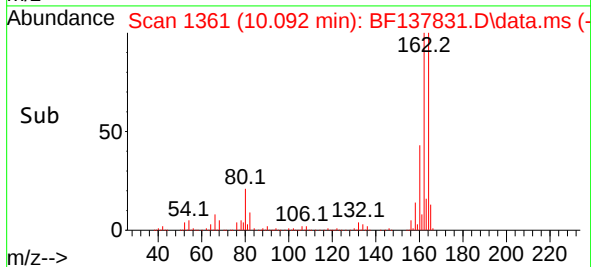
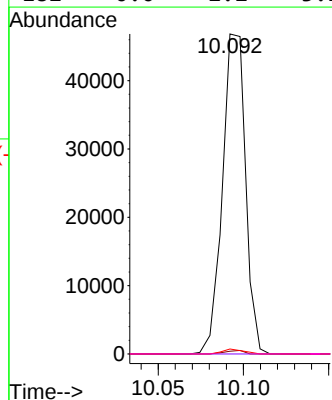
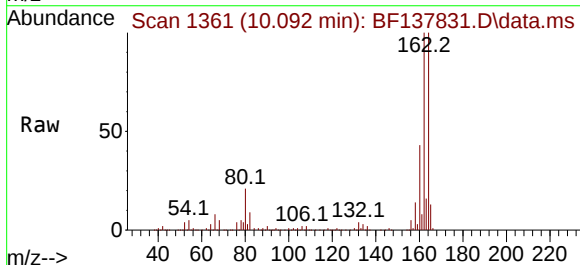
Instrument :  
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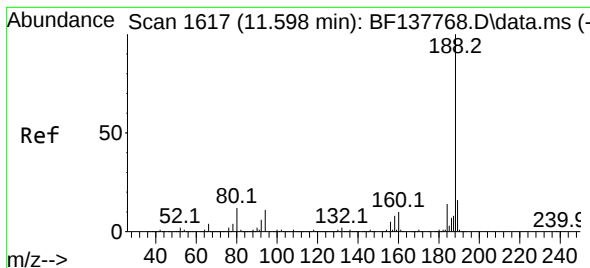
Tgt Ion:165 Resp: 44096  
Ion Ratio Lower Upper  
165 100  
63 0.9 41.9 62.9#  
89 1.5 43.2 64.8#



#57  
2,4-Dinitrotoluene  
Concen: 7.064 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. -0.194 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

Tgt Ion:165 Resp: 44096  
Ion Ratio Lower Upper  
165 100  
63 0.9 31.3 46.9#  
89 1.5 54.2 81.4#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137831.D

Acq: 03 May 2024 16:19

Instrument :

BNA\_F

ClientSampleId :

V359

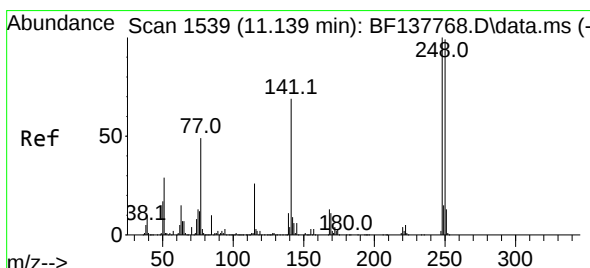
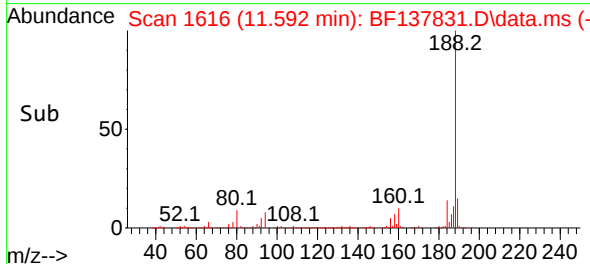
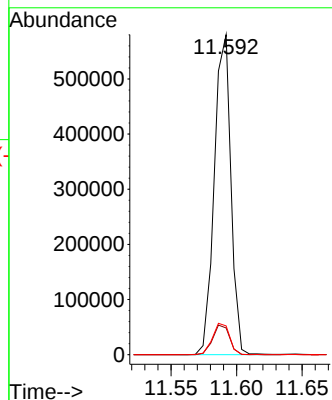
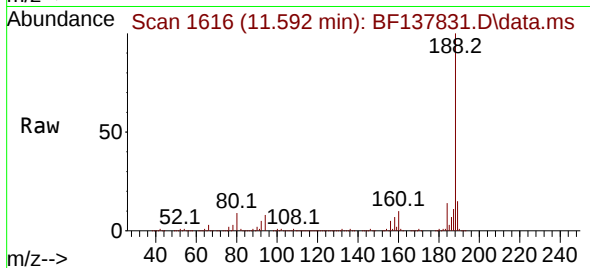
Tgt Ion:188 Resp: 510812

Ion Ratio Lower Upper

188 100

94 8.3 8.8 13.2#

80 9.0 9.6 14.4#



#67

4-Bromophenyl-phenylether

Concen: 5.284 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.253 min

Lab File: BF137831.D

Acq: 03 May 2024 16:19

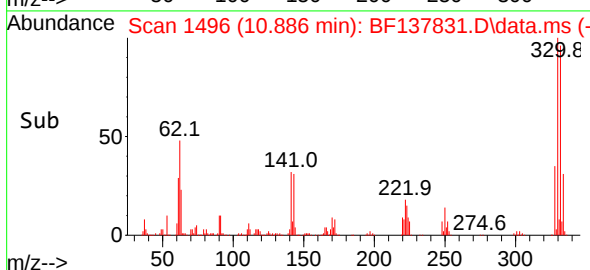
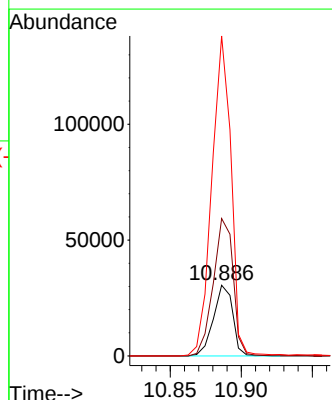
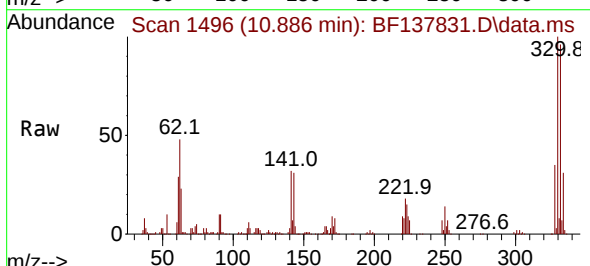
Tgt Ion:248 Resp: 28886

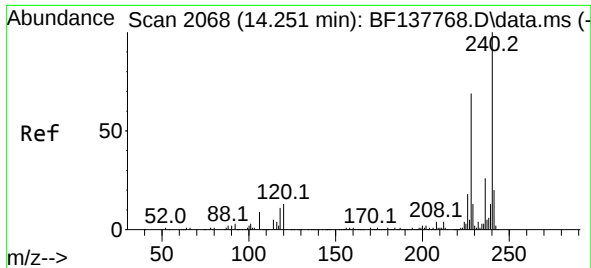
Ion Ratio Lower Upper

248 100

250 194.1 79.1 118.7#

141 451.9 55.4 83.2#

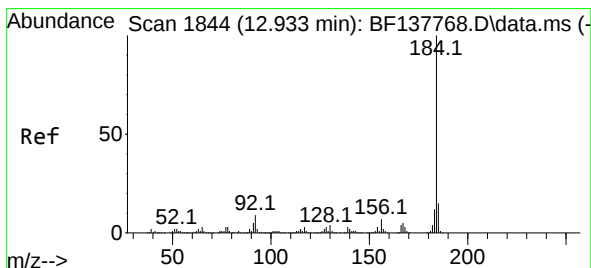
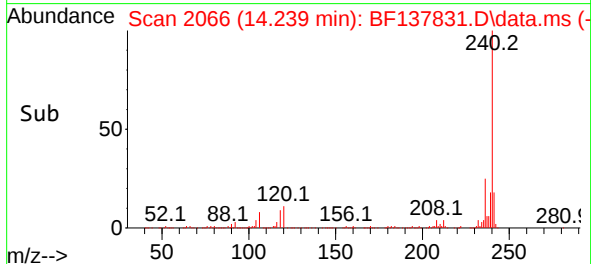
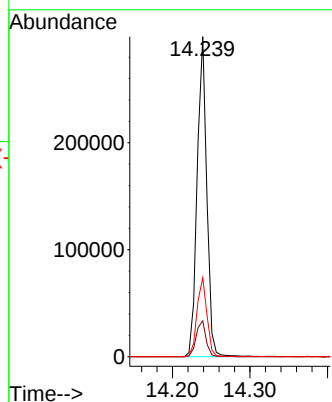
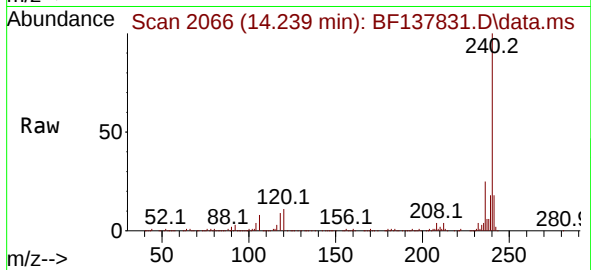




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.239 min Scan# 2066  
Delta R.T. -0.012 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

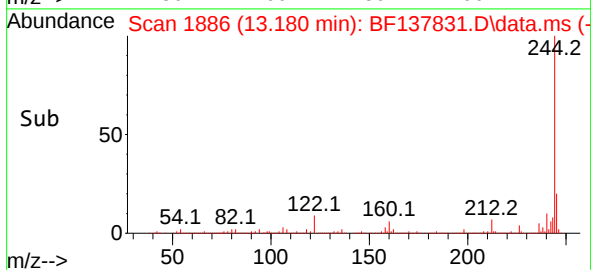
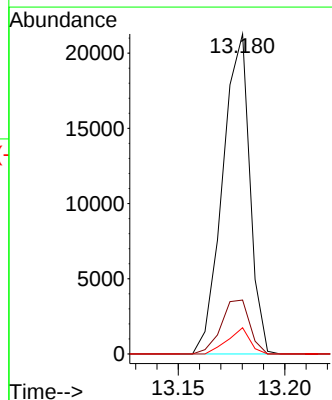
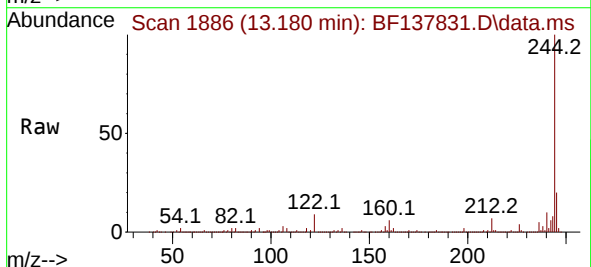
Instrument :  
BNA\_F  
ClientSampleId :  
V359

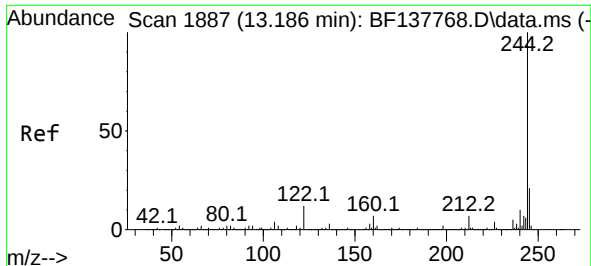
Tgt Ion:240 Resp: 258139  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.4 15.6  
236 24.7 20.4 30.6



#77  
Benzidine  
Concen: 3.156 ng  
RT: 13.180 min Scan# 1886  
Delta R.T. 0.247 min  
Lab File: BF137831.D  
Acq: 03 May 2024 16:19

Tgt Ion:184 Resp: 18842  
Ion Ratio Lower Upper  
184 100  
185 16.9 12.3 18.5  
183 8.2 9.2 13.8#

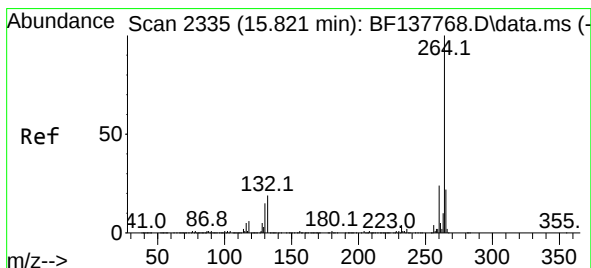
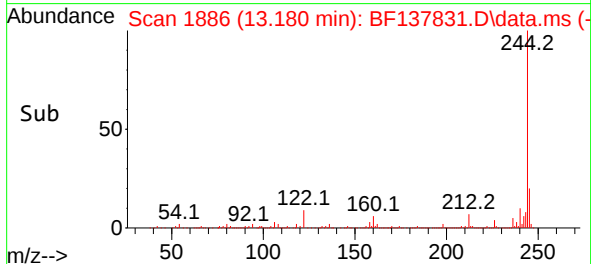
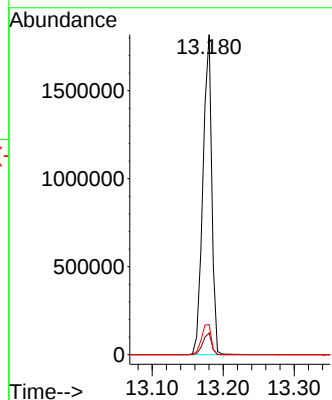
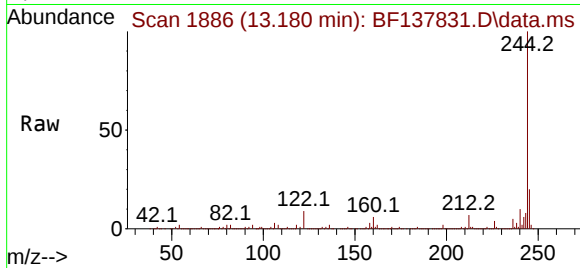




#79  
 Terphenyl-d14  
 Concen: 102.565 ng  
 RT: 13.180 min Scan# 1886  
 Delta R.T. -0.006 min  
 Lab File: BF137831.D  
 Acq: 03 May 2024 16:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V359

Tgt Ion:244 Resp: 1579847  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.5 8.3  
 122 9.4 9.4 14.2#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.809 min Scan# 2333  
 Delta R.T. -0.012 min  
 Lab File: BF137831.D  
 Acq: 03 May 2024 16:19

Tgt Ion:264 Resp: 259687  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 18.9 28.3  
 265 20.3 17.4 26.0

