

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051724\  
 Data File : BF137943.D  
 Acq On : 17 May 2024 20:44  
 Operator : CG\JU  
 Sample : P2513-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-13

Quant Time: May 17 22:55:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

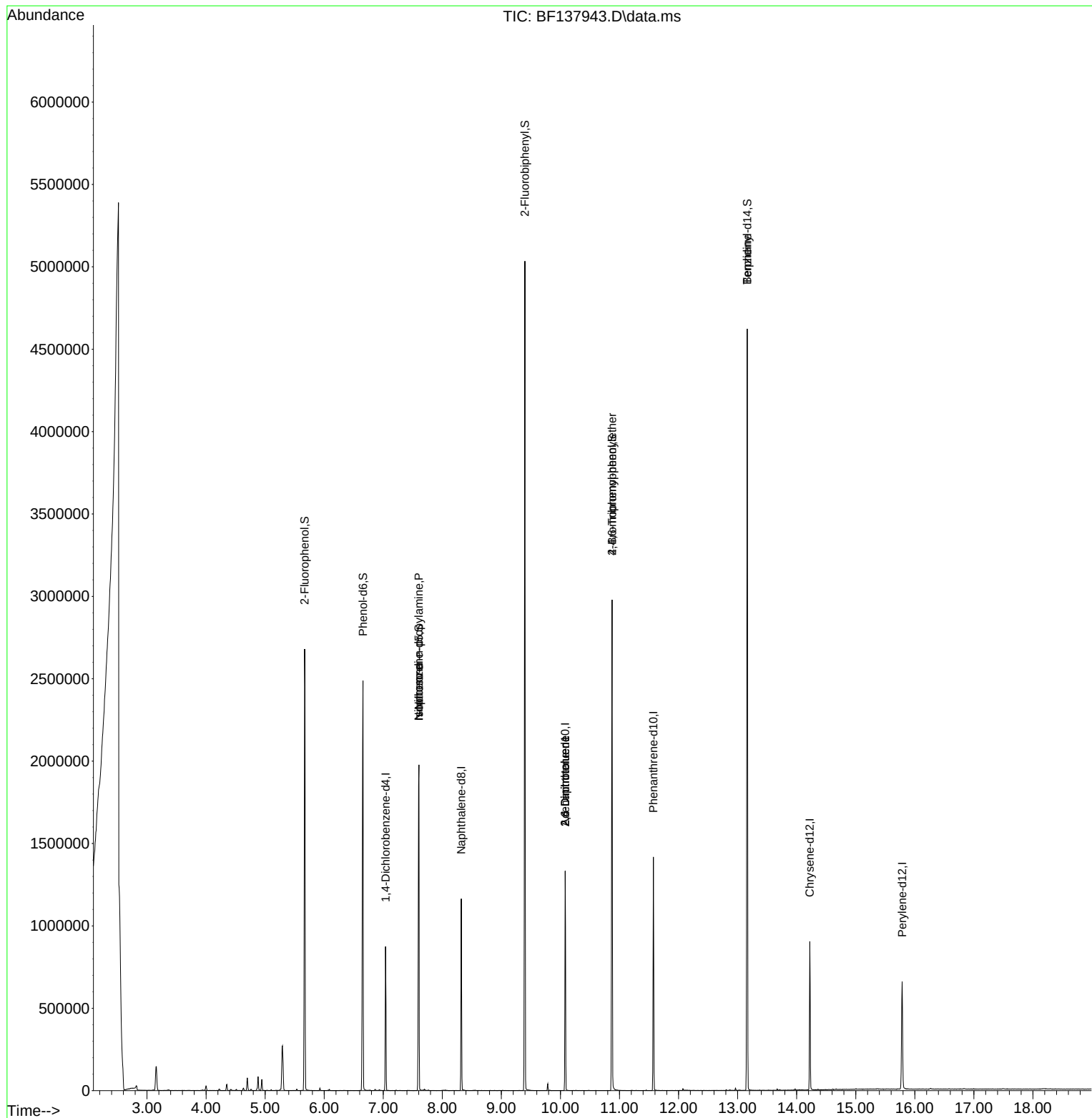
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.040  | 152  | 118663   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.322  | 136  | 456314   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.080 | 164  | 265760   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.575 | 188  | 479219   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.221 | 240  | 287506   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.786 | 264  | 317794   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.669  | 112  | 818987   | 117.237 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.657  | 99   | 925521   | 107.552 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.604  | 82   | 668095   | 86.164  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.875 | 330  | 379647   | 141.678 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.398  | 172  | 1429137  | 82.835  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.163 | 244  | 1639044  | 84.020  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.604  | 70   | 88294    | 18.263  | ng    | # 74     |
| 25) Isophorone                | 7.604  | 82   | 668089   | 49.646  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.080 | 165  | 34486    | 9.016   | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 34486    | 6.974   | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether | 10.875 | 248  | 24140    | 4.595   | ng    | # 1      |
| 77) Benzidine                 | 13.163 | 184  | 19232    | 5.118   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

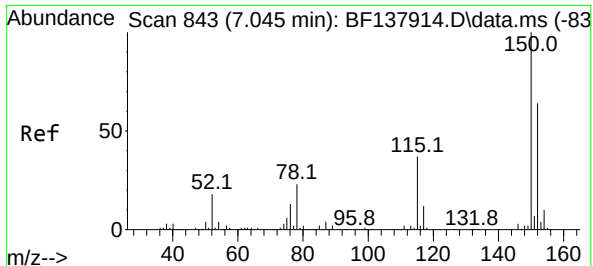
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 22:55:36 2024  
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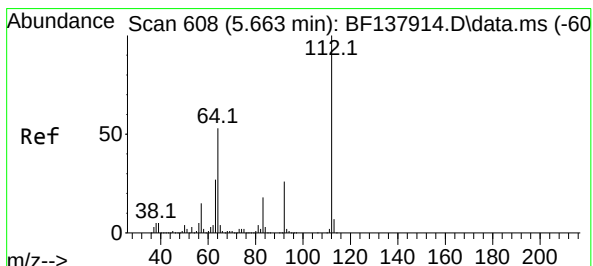
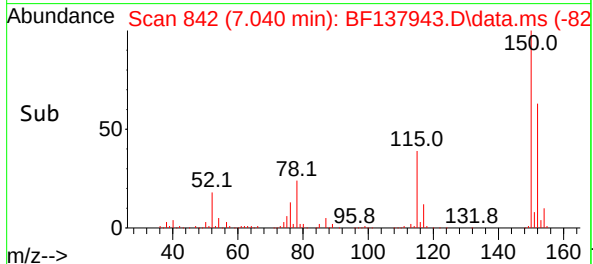
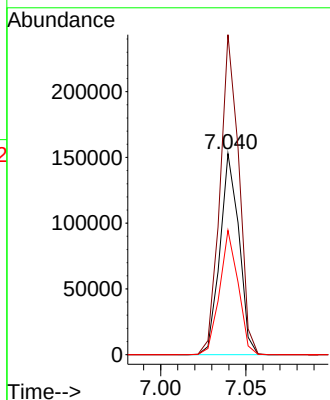
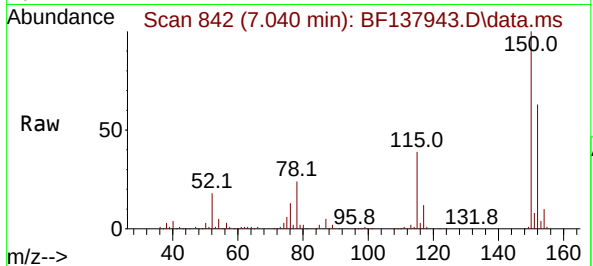




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.040 min Scan# 843  
Delta R.T. -0.005 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

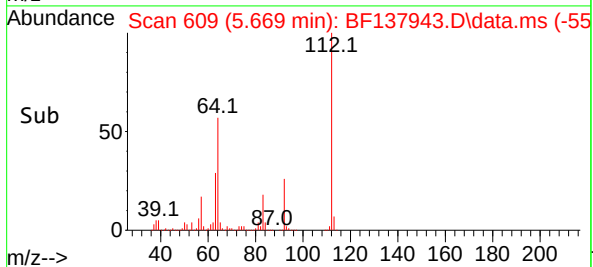
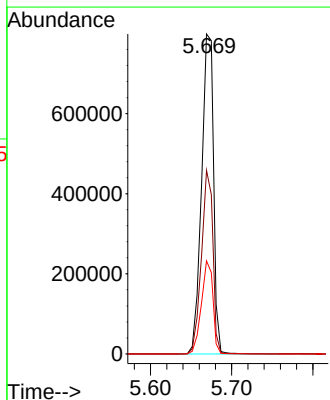
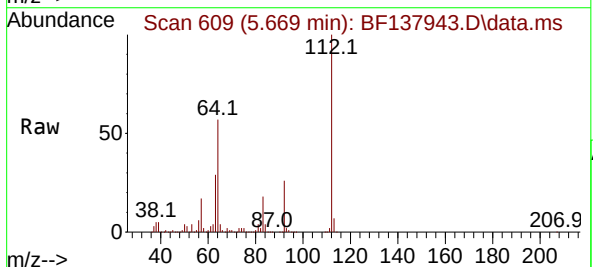
Instrument :  
BNA\_F  
ClientSampleId :  
TP-13

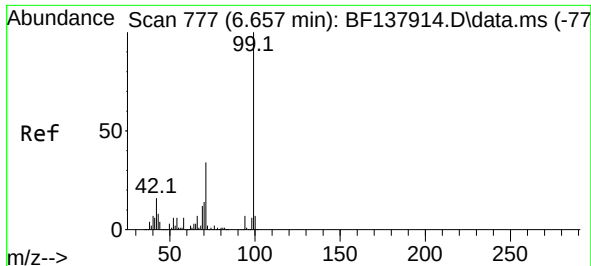
Tgt Ion:152 Resp: 118663  
Ion Ratio Lower Upper  
152 100  
150 159.1 125.7 188.5  
115 61.8 47.0 70.6



#5  
2-Fluorophenol  
Concen: 117.237 ng  
RT: 5.669 min Scan# 609  
Delta R.T. 0.006 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion:112 Resp: 818987  
Ion Ratio Lower Upper  
112 100  
64 57.4 42.4 63.6  
63 29.1 21.4 32.2





#7  
Phenol-d6  
Concen: 107.552 ng  
RT: 6.657 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

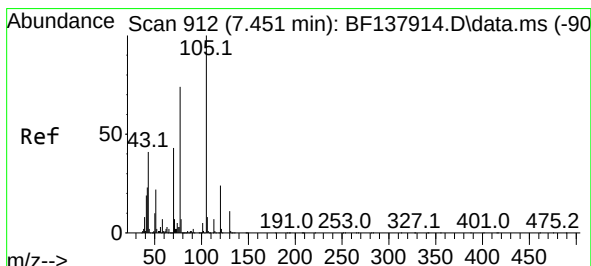
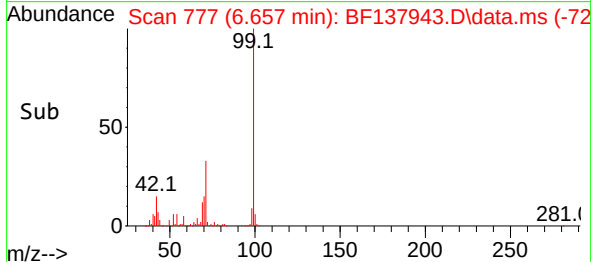
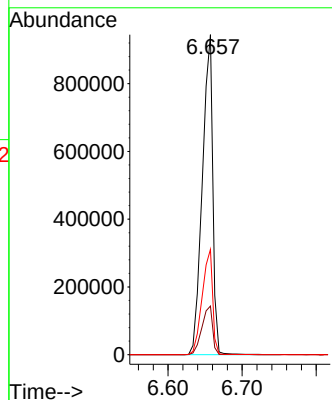
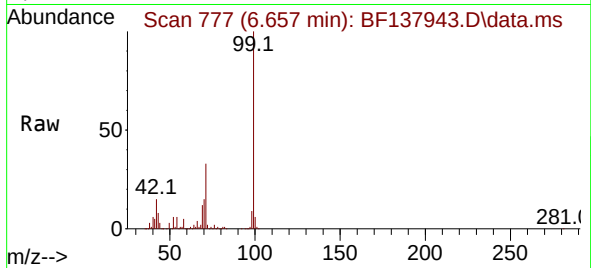
Instrument :

BNA\_F

ClientSampleId :

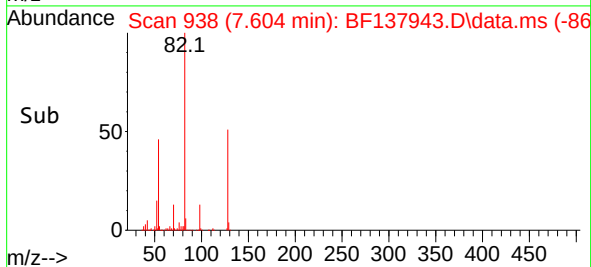
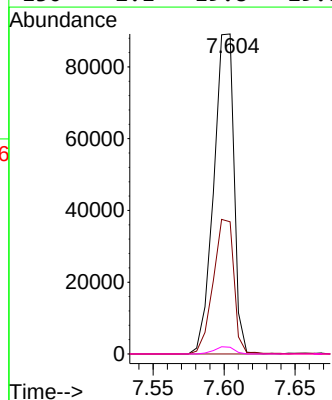
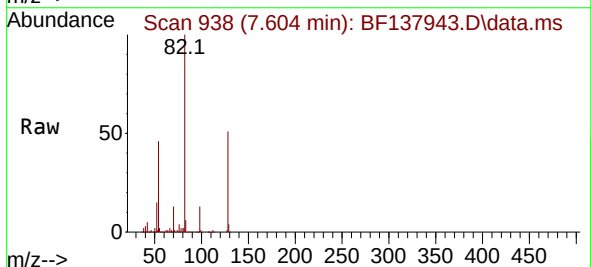
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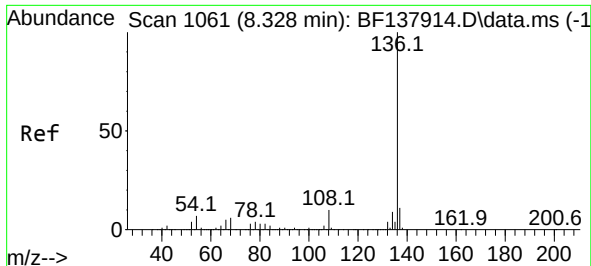
Tgt Ion: 99 Resp: 925521  
Ion Ratio Lower Upper  
99 100  
42 15.2 12.6 18.8  
71 32.9 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.263 ng  
RT: 7.604 min Scan# 938  
Delta R.T. 0.153 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion: 70 Resp: 88294  
Ion Ratio Lower Upper  
70 100  
42 41.3 42.2 63.4#  
101 0.0 8.8 13.2#  
130 2.1 19.8 29.8#



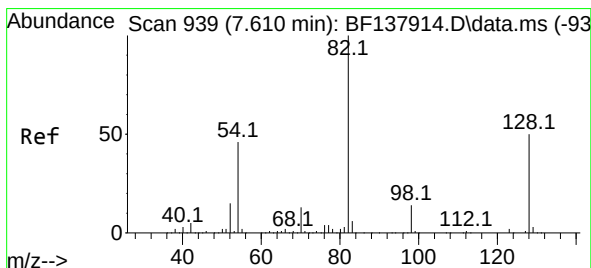
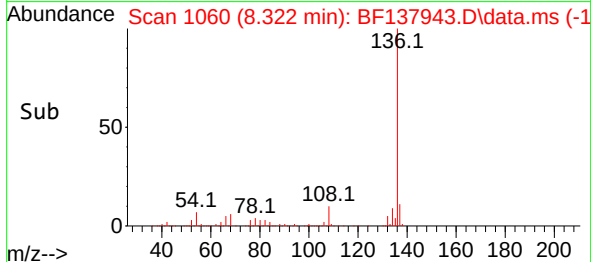
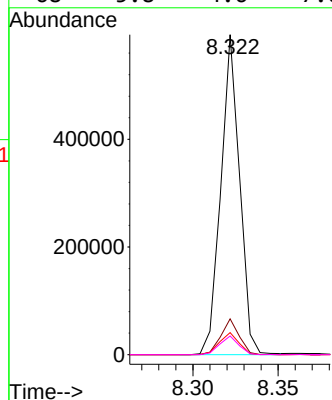
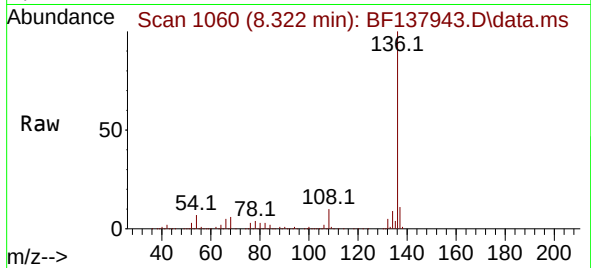


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.322 min Scan# 1061  
Delta R.T. -0.006 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 456314

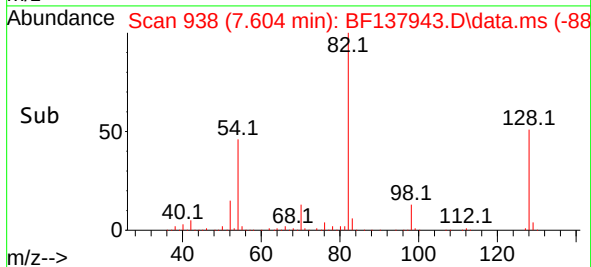
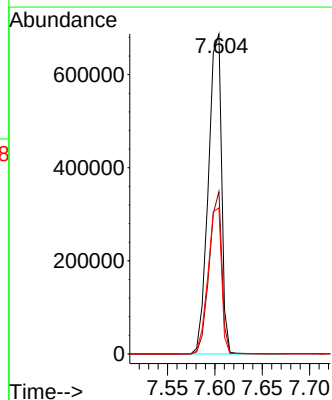
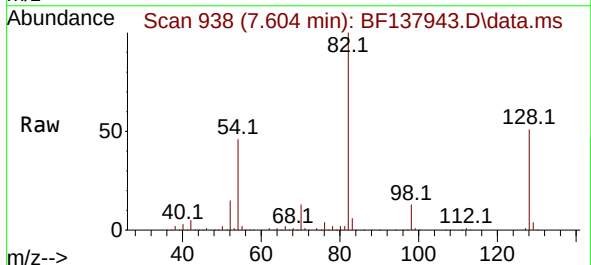
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.7   | 13.1  |
| 54  | 6.9   | 5.4   | 8.2   |
| 68  | 5.8   | 4.6   | 7.0   |

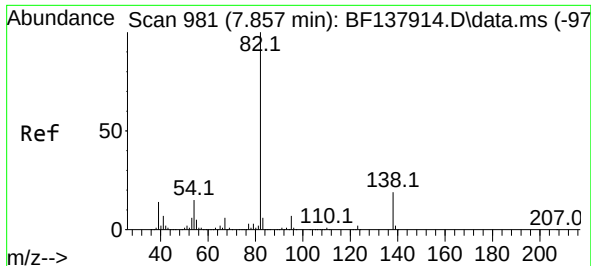


#23  
Nitrobenzene-d5  
Concen: 86.164 ng  
RT: 7.604 min Scan# 938  
Delta R.T. -0.006 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion: 82 Resp: 668095

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 50.7  | 40.3  | 60.5  |
| 54  | 45.6  | 36.8  | 55.2  |

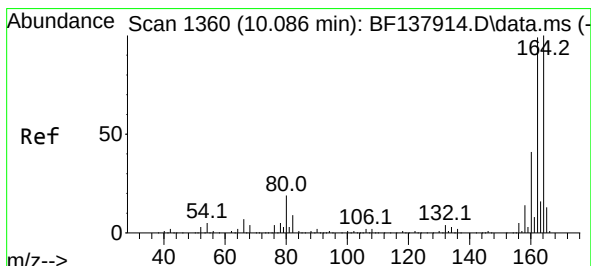
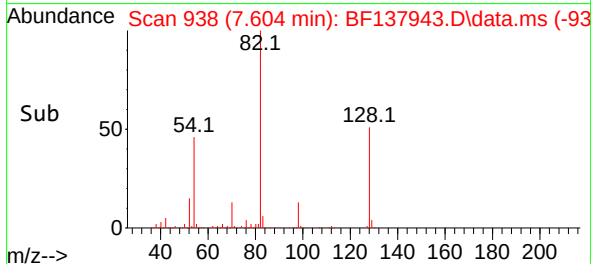
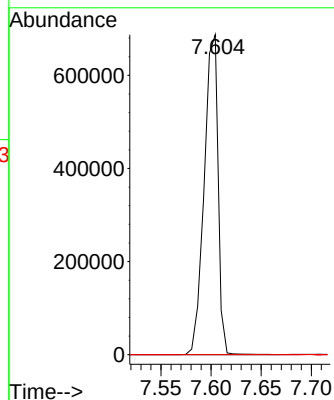
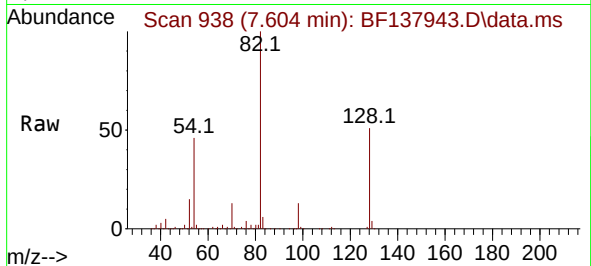




#25  
Isophorone  
Concen: 49.646 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.253 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

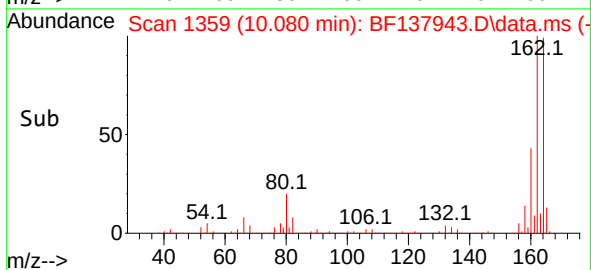
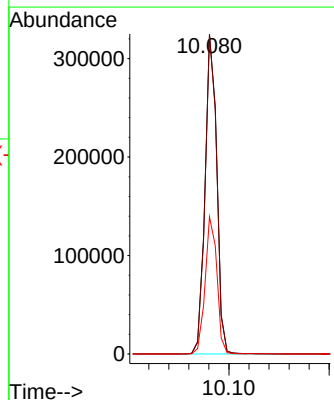
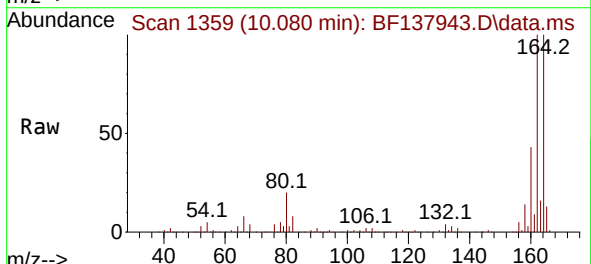
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BNA\_F  
ClientSampleId :  
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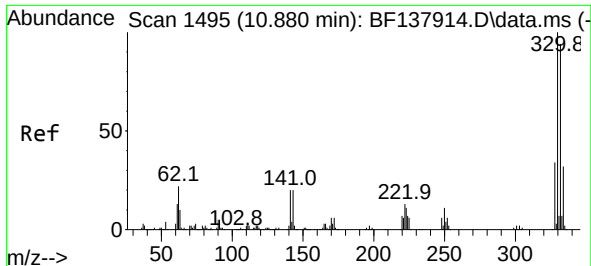
Tgt Ion: 82 Resp: 668089  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.0 22.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion:164 Resp: 265760  
Ion Ratio Lower Upper  
164 100  
162 100.1 79.4 119.2  
160 42.9 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 141.678 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137943.D

Acq: 17 May 2024 20:44

Instrument :

BNA\_F

ClientSampleId :

TP-13

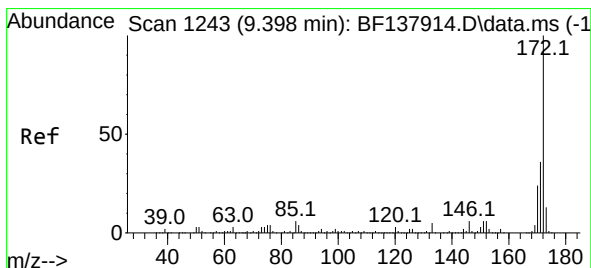
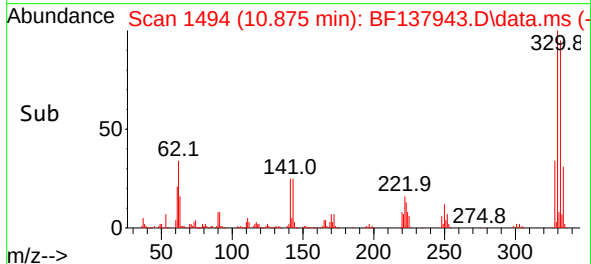
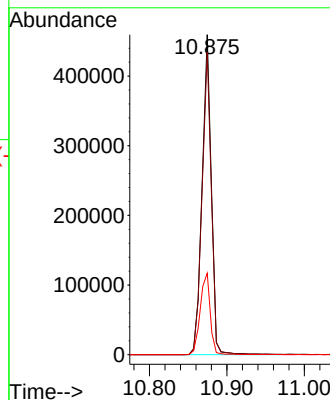
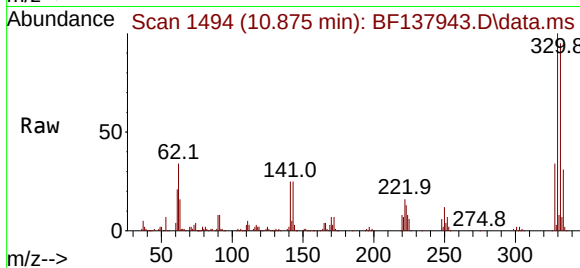
Tgt Ion:330 Resp: 379647

Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.8

141 27.7 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 82.835 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137943.D

Acq: 17 May 2024 20:44

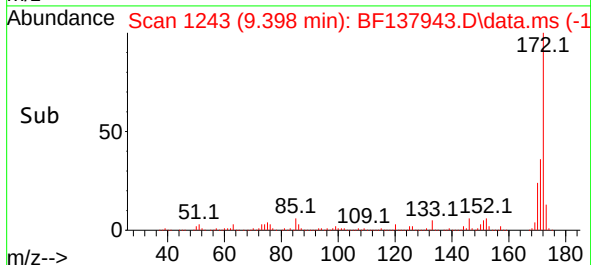
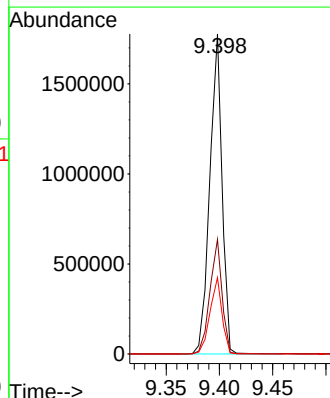
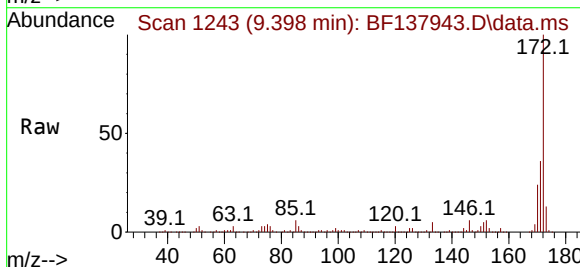
Tgt Ion:172 Resp: 1429137

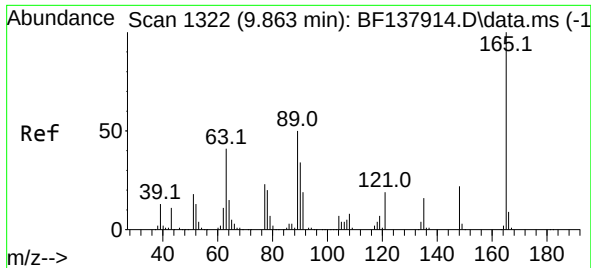
Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

170 23.8 18.9 28.3

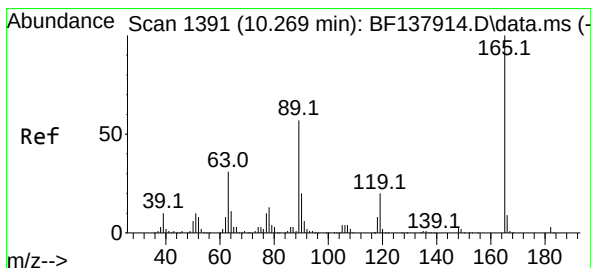
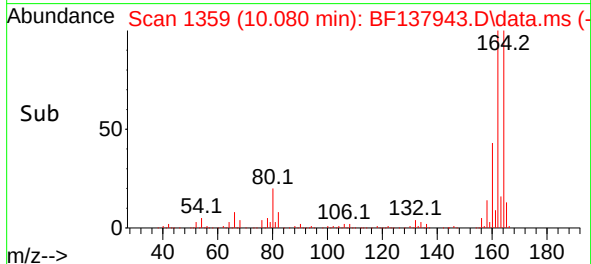
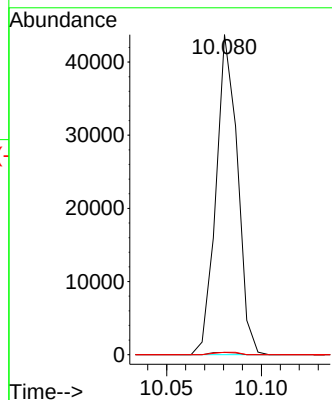
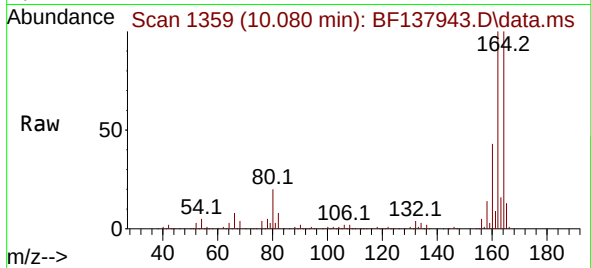




#51  
2,6-Dinitrotoluene  
Concen: 9.016 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. 0.218 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

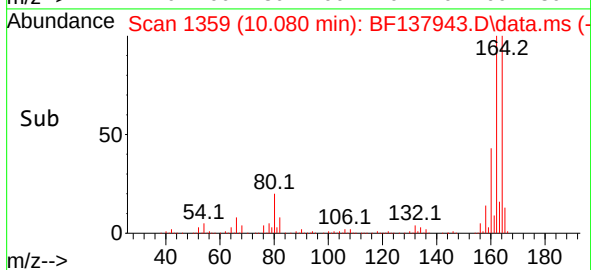
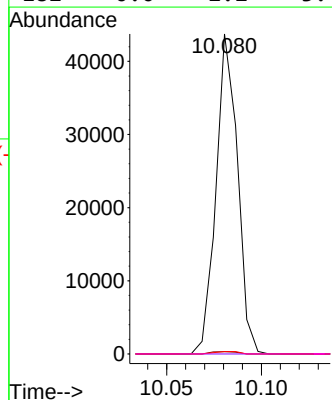
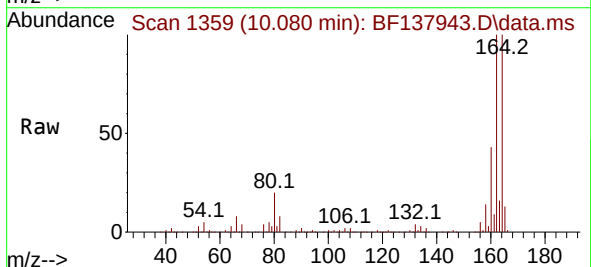
Instrument :  
BNA\_F  
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Tgt Ion:165 Resp: 34486  
Ion Ratio Lower Upper  
165 100  
63 0.7 38.9 58.3#  
89 0.8 40.4 60.6#

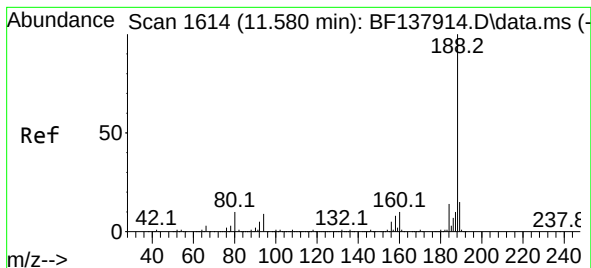


#57  
2,4-Dinitrotoluene  
Concen: 6.974 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.188 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion:165 Resp: 34486  
Ion Ratio Lower Upper  
165 100  
63 0.7 25.3 37.9#  
89 0.8 45.9 68.9#  
182 0.0 2.2 3.4#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137943.D

Acq: 17 May 2024 20:44

Instrument :

BNA\_F

ClientSampleId :

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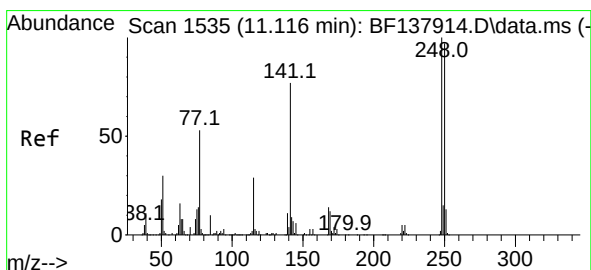
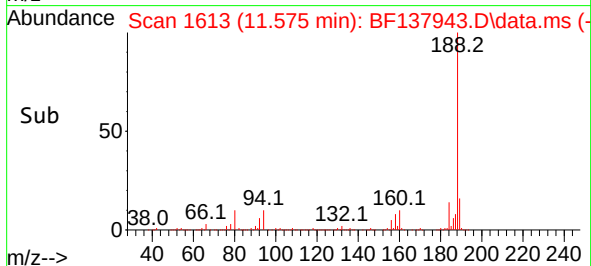
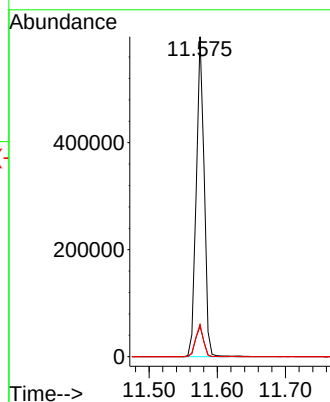
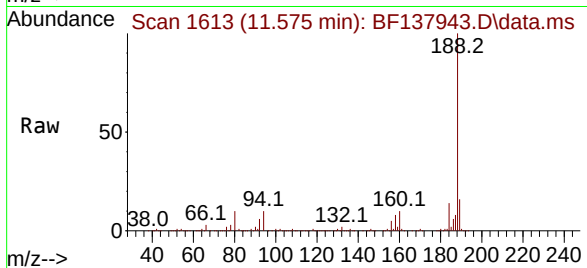
Tgt Ion:188 Resp: 479219

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.4

80 10.1 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.595 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137943.D

Acq: 17 May 2024 20:44

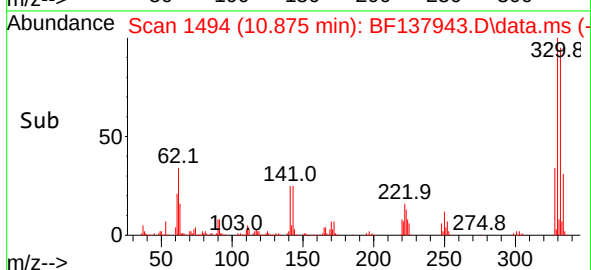
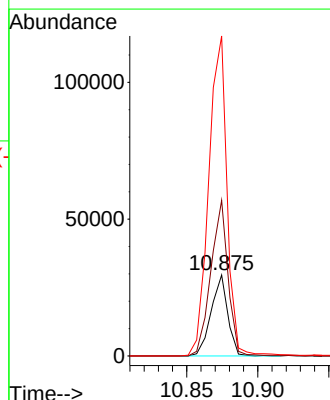
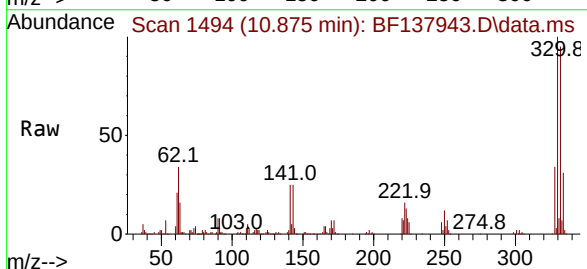
Tgt Ion:248 Resp: 24140

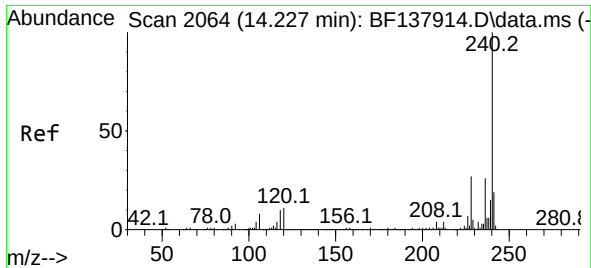
Ion Ratio Lower Upper

248 100

250 192.2 77.6 116.4#

141 395.2 61.4 92.2#

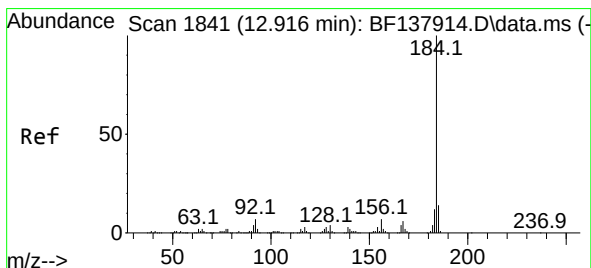
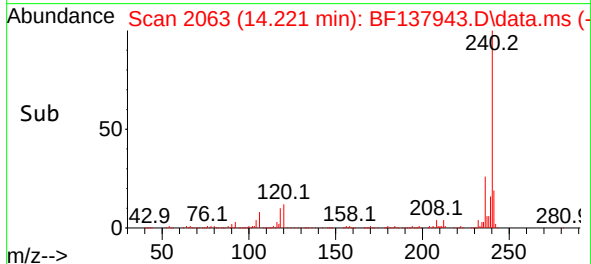
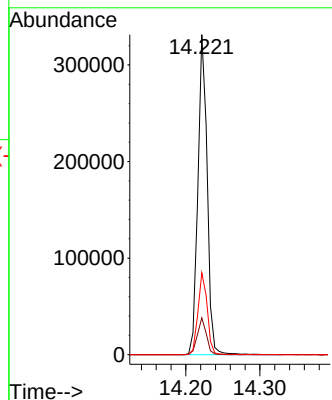
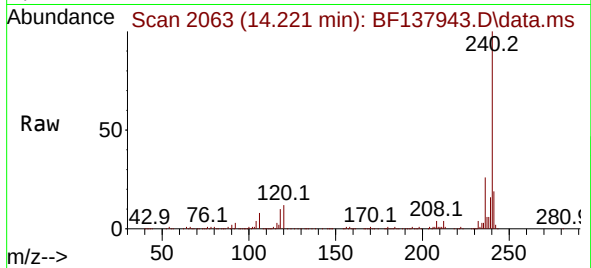




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.221 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

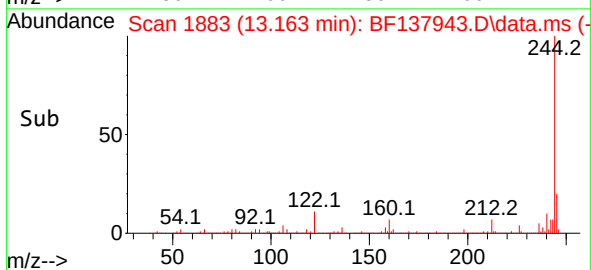
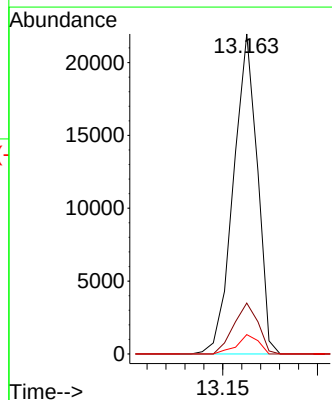
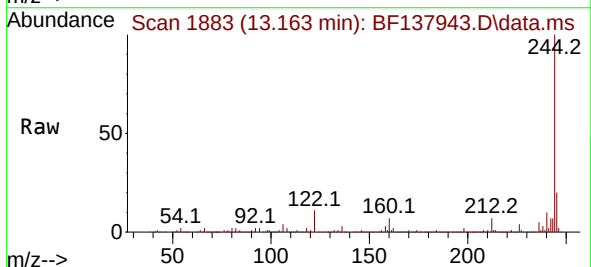
Instrument :  
BNA\_F  
ClientSampleId :  
TP-13

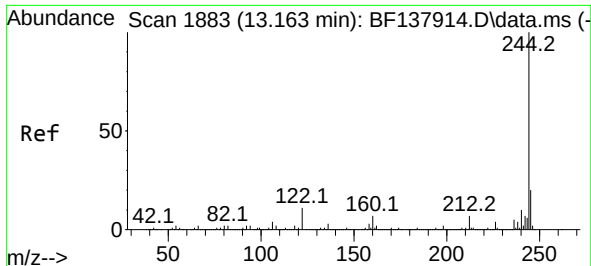
Tgt Ion:240 Resp: 287506  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.9 13.3  
236 25.6 21.0 31.4



#77  
Benzidine  
Concen: 5.118 ng  
RT: 13.163 min Scan# 1883  
Delta R.T. 0.247 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion:184 Resp: 19232  
Ion Ratio Lower Upper  
184 100  
185 15.9 11.4 17.2  
183 6.0 9.5 14.3#

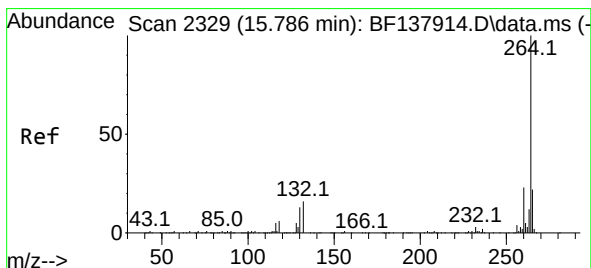
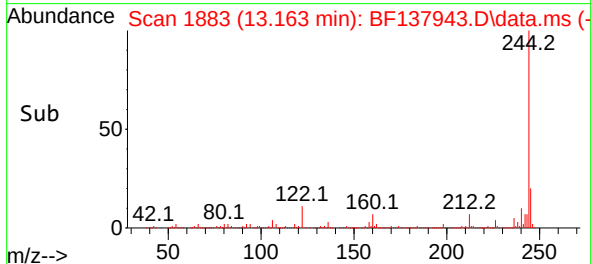
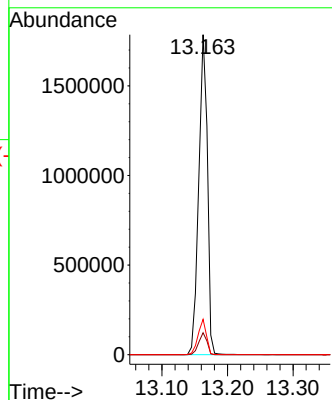
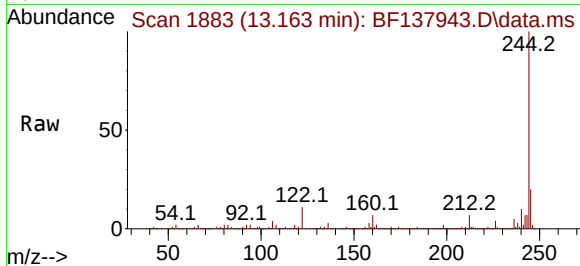




#79  
Terphenyl-d14  
Concen: 84.020 ng  
RT: 13.163 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Instrument :  
BNA\_F  
ClientSampleId :  
TP-13

Tgt Ion:244 Resp: 1639044  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.6 8.4  
122 11.1 8.8 13.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.786 min Scan# 2329  
Delta R.T. 0.000 min  
Lab File: BF137943.D  
Acq: 17 May 2024 20:44

Tgt Ion:264 Resp: 317794  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.3 27.5  
265 21.6 17.6 26.4

