

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020323\  
 Data File : BF132322.D  
 Acq On : 03 Feb 2023 15:07  
 Operator : CG\JU  
 Sample : PB150669BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150669BL

Quant Time: Feb 04 01:38:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 04 01:32:42 2023  
 Response via : Initial Calibration

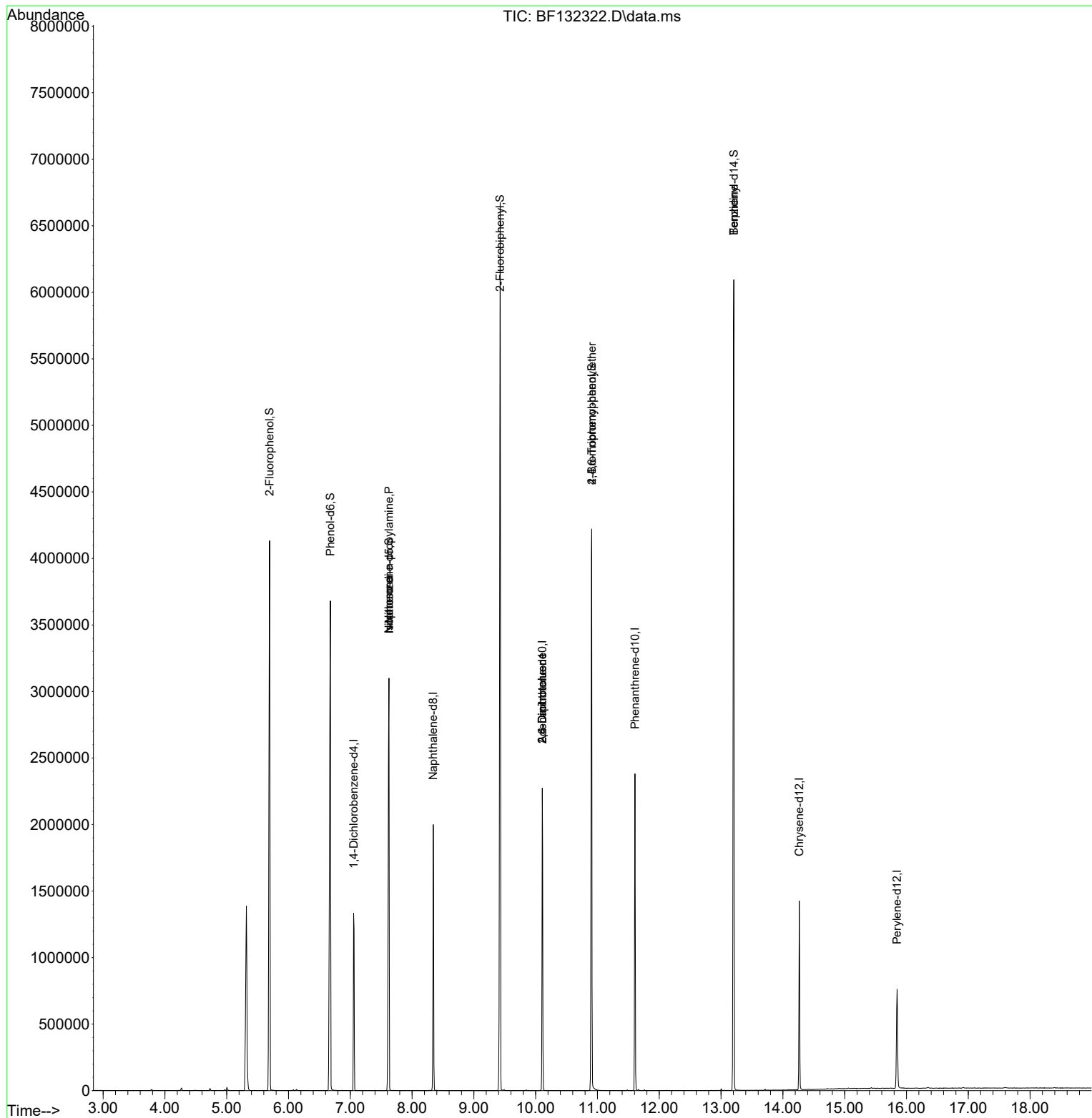
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.054  | 152  | 218350   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.342  | 136  | 868998   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.107 | 164  | 456596   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.607 | 188  | 827879   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.265 | 240  | 448024   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.848 | 264  | 351370   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.695  | 112  | 1579298  | 116.261 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.678  | 99   | 1923865  | 114.877 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.625  | 82   | 1195487  | 76.554  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.907 | 330  | 640278   | 136.361 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.425  | 172  | 2175375  | 73.573  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.207 | 244  | 2374262  | 102.512 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.625  | 70   | 150240   | 15.794  | ng    | # 76     |
| 25) Isophorone                | 7.625  | 82   | 1193079  | 40.253  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.107 | 165  | 59598    | 8.355   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 10.107 | 165  | 59598    | 6.432   | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 10.907 | 248  | 36085    | 4.257   | ng    | # 1      |
| 77) Benzidine                 | 13.207 | 184  | 37873    | 2.418   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

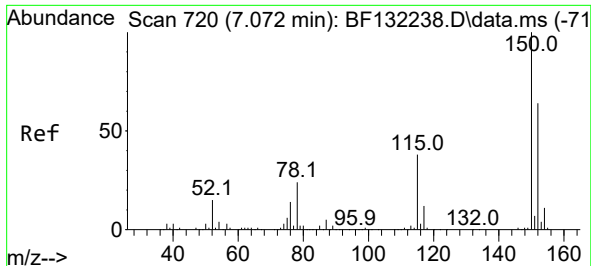
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020323\  
Data File : BF132322.D  
Acq On : 03 Feb 2023 15:07  
Operator : CG\JU  
Sample : PB150669BL  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

Quant Time: Feb 04 01:38:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Feb 04 01:32:42 2023  
Response via : Initial Calibration

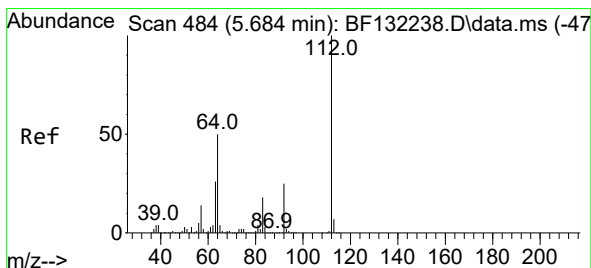
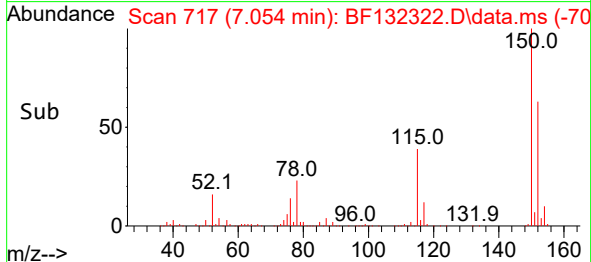
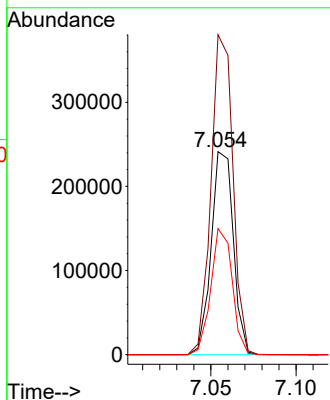
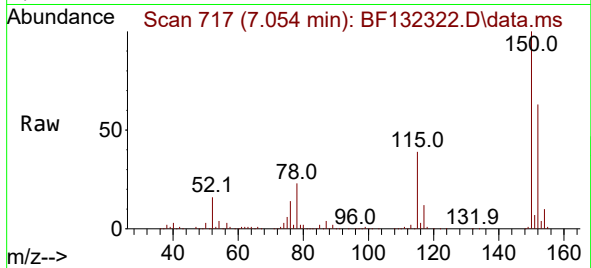




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.054 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

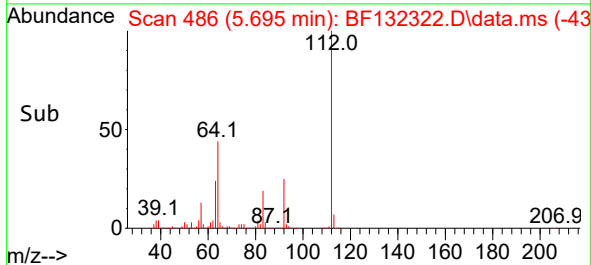
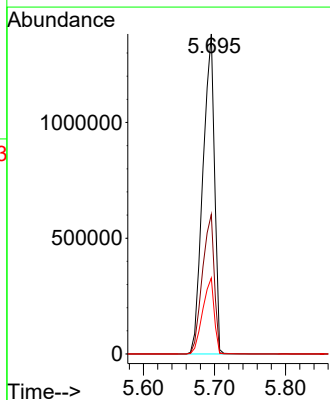
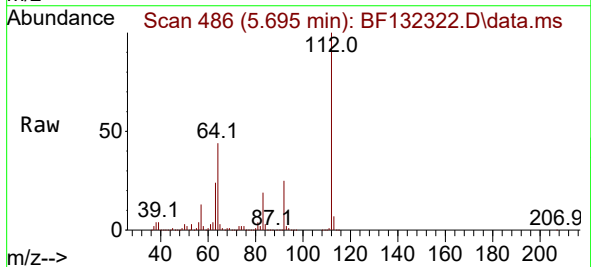
Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

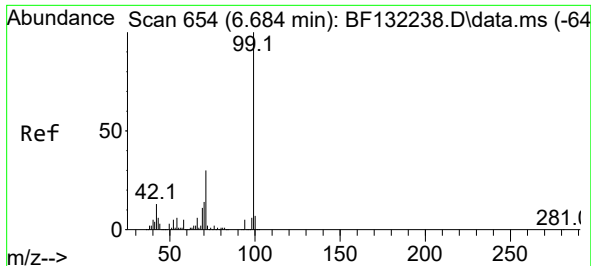
Tgt Ion:152 Resp: 218350  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.2 186.2  
115 62.1 47.3 70.9



#5  
2-Fluorophenol  
Concen: 116.261 ng  
RT: 5.695 min Scan# 486  
Delta R.T. 0.018 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion:112 Resp: 1579298  
Ion Ratio Lower Upper  
112 100  
64 43.6 40.0 60.0  
63 23.8 20.5 30.7

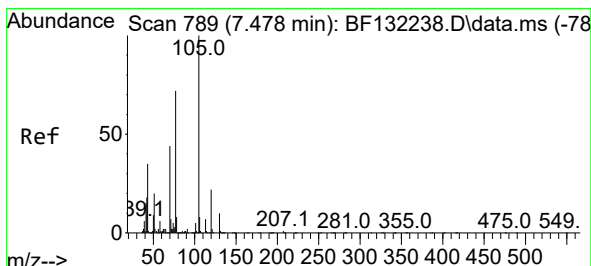
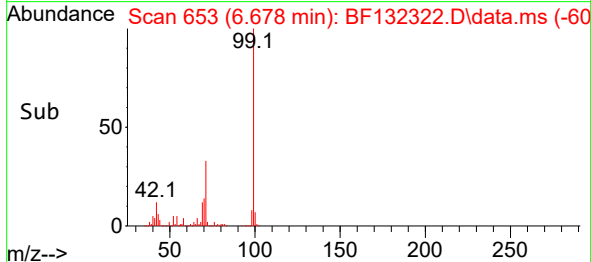
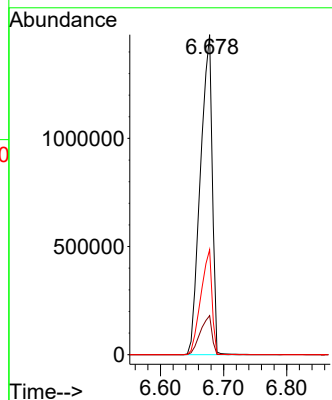
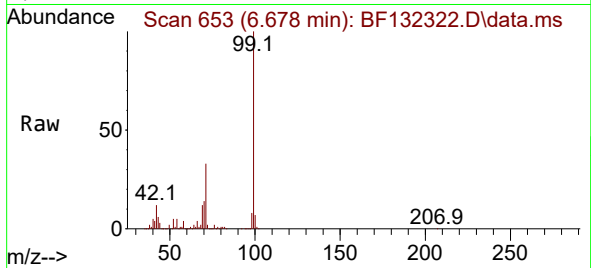




#7  
Phenol-d6  
Concen: 114.877 ng  
RT: 6.678 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

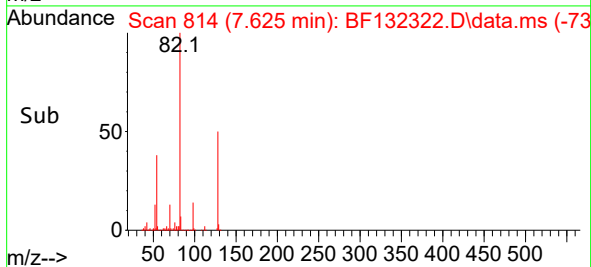
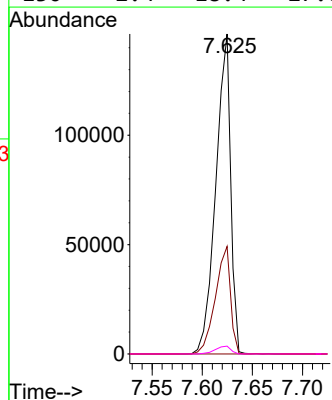
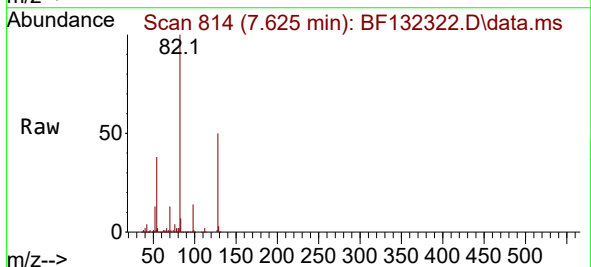
Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

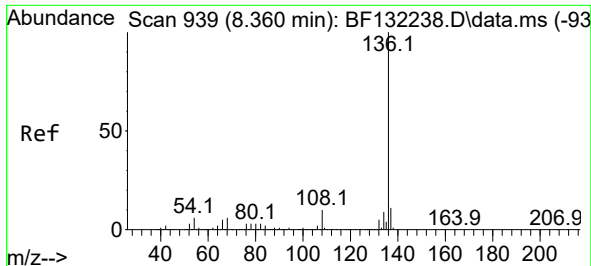
Tgt Ion: 99 Resp: 1923865  
Ion Ratio Lower Upper  
99 100  
42 12.2 10.1 15.1  
71 32.8 24.2 36.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.794 ng  
RT: 7.625 min Scan# 814  
Delta R.T. 0.153 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion: 70 Resp: 150240  
Ion Ratio Lower Upper  
70 100  
42 33.6 33.4 50.0  
101 0.0 8.2 12.4#  
130 2.4 18.4 27.6#



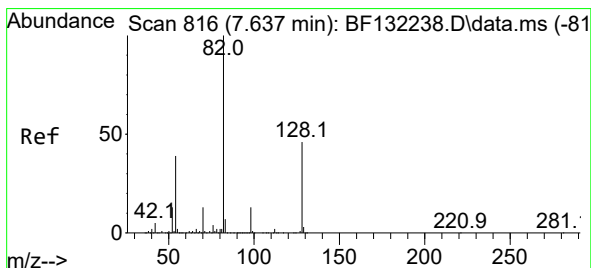
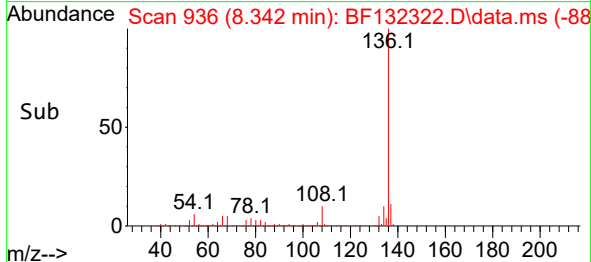
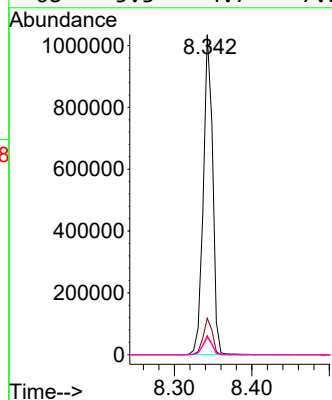
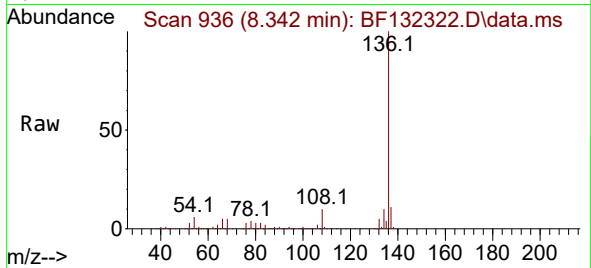


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.342 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

Tgt Ion:136 Resp: 868998

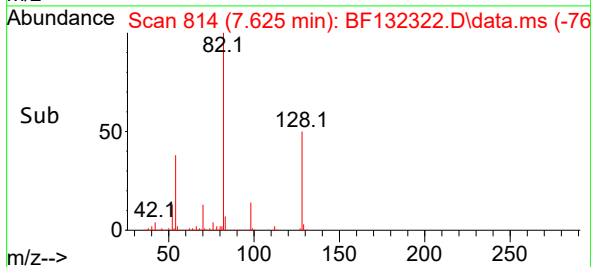
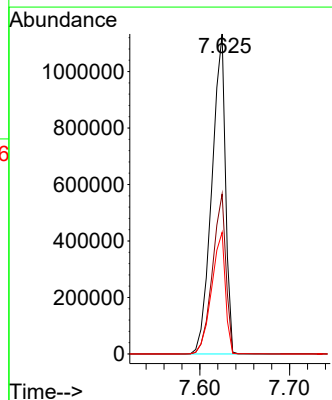
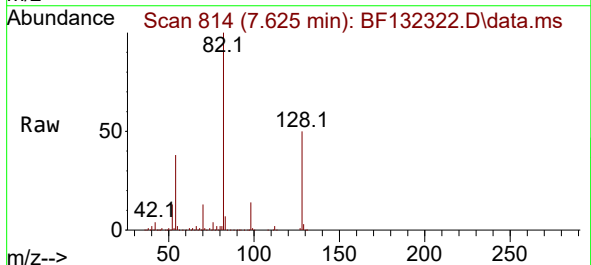
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.8   | 13.2  |
| 54  | 5.9   | 4.9   | 7.3   |
| 68  | 5.3   | 4.7   | 7.1   |

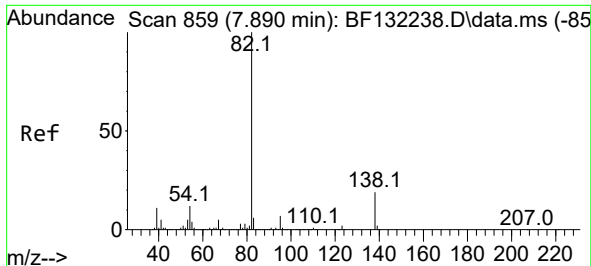


#23  
Nitrobenzene-d5  
Concen: 76.554 ng  
RT: 7.625 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion: 82 Resp: 1195487

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 50.0  | 37.0  | 55.4  |
| 54  | 38.0  | 31.5  | 47.3  |

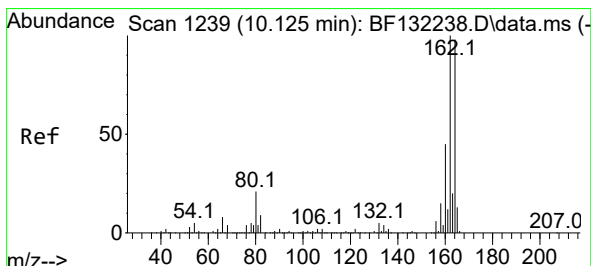
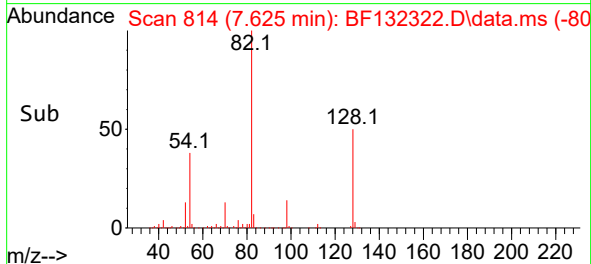
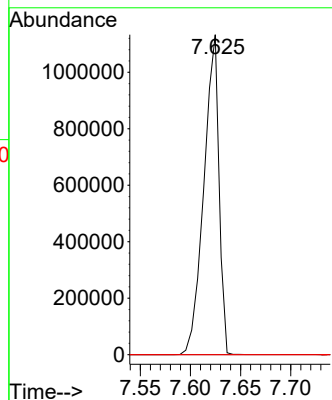
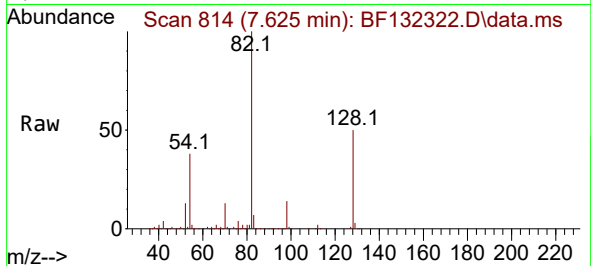




#25  
Isophorone  
Concen: 40.253 ng  
RT: 7.625 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

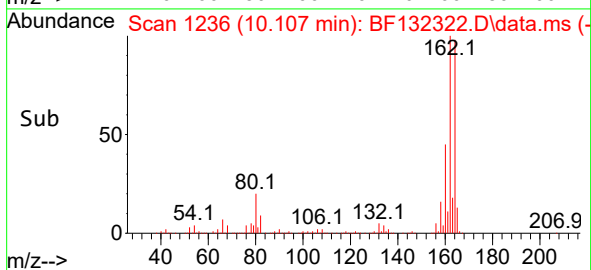
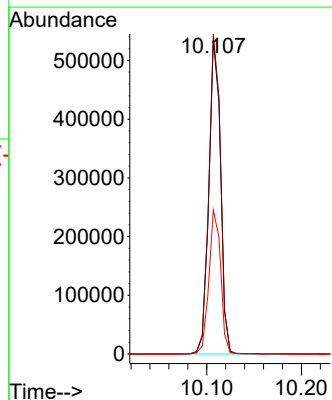
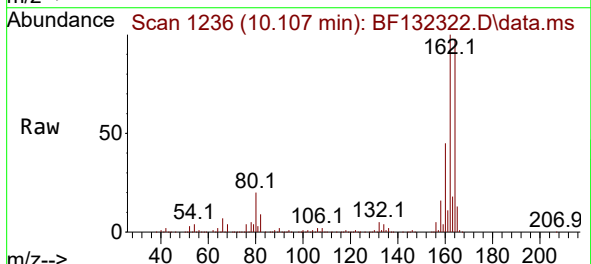
Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

Tgt Ion: 82 Resp: 1193079  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.0 22.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.107 min Scan# 1236  
Delta R.T. -0.006 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

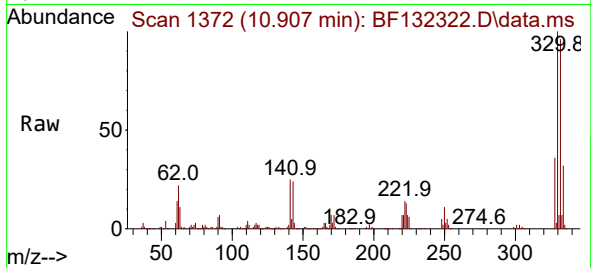
Tgt Ion: 164 Resp: 456596  
Ion Ratio Lower Upper  
164 100  
162 101.9 82.0 123.0  
160 45.8 37.1 55.7



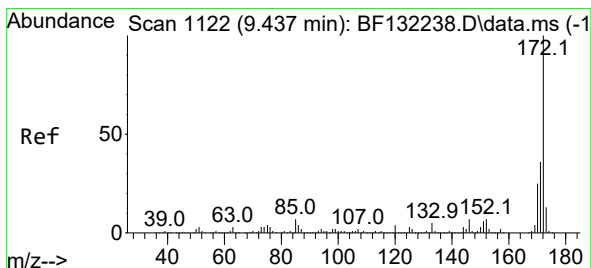
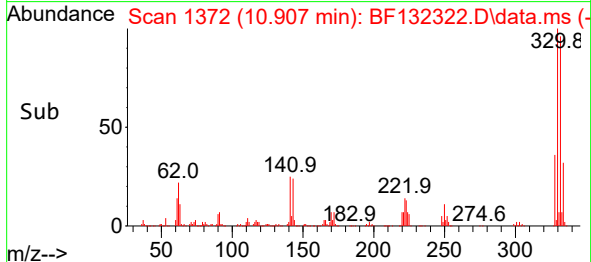
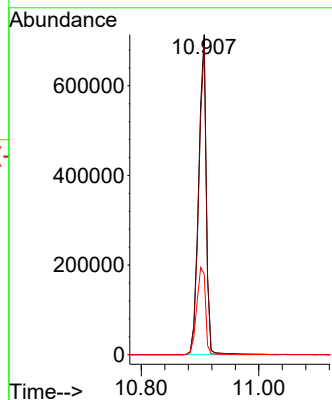


#42  
2,4,6-Tribromophenol  
Concen: 136.361 ng  
RT: 10.907 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

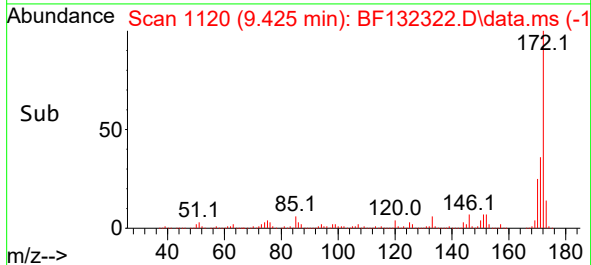
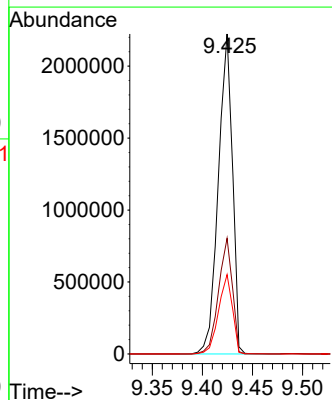
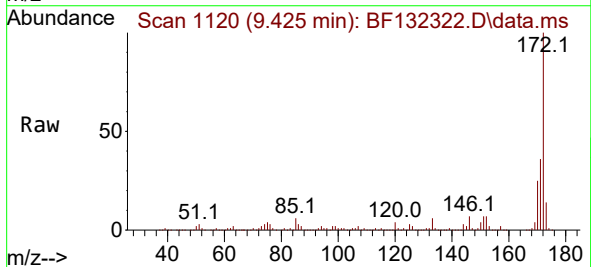


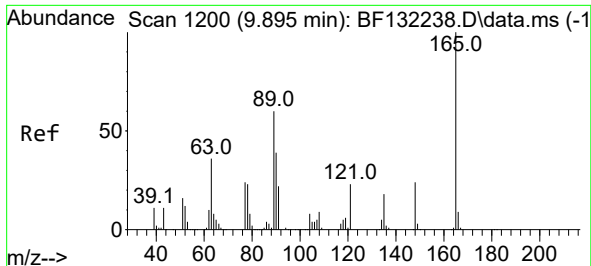
Tgt Ion:330 Resp: 640278  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.9 116.9  
141 31.5 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 73.573 ng  
RT: 9.425 min Scan# 1120  
Delta R.T. -0.000 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion:172 Resp: 2175375  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 24.8 19.7 29.5

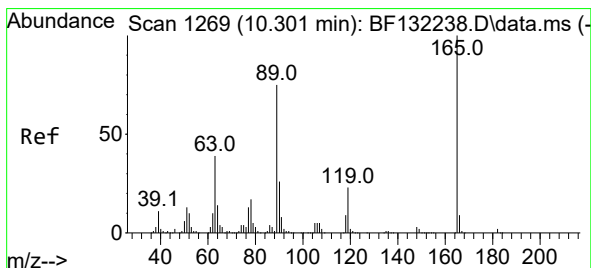
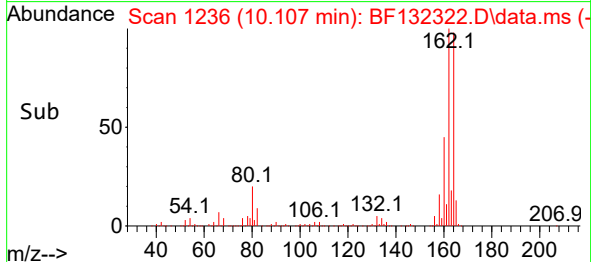
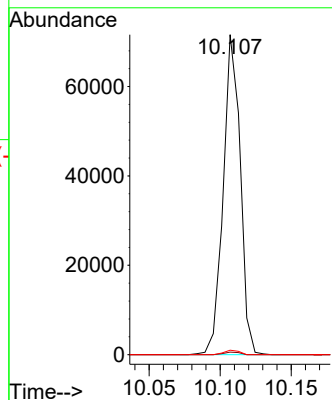
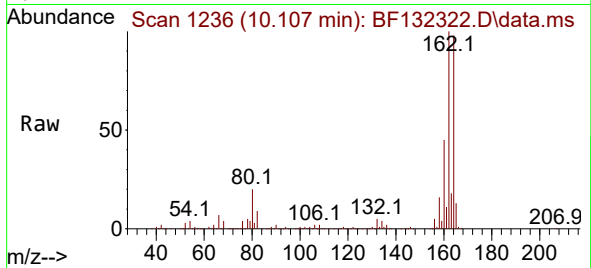




#51  
2,6-Dinitrotoluene  
Concen: 8.355 ng  
RT: 10.107 min Scan# 1236  
Delta R.T. 0.218 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

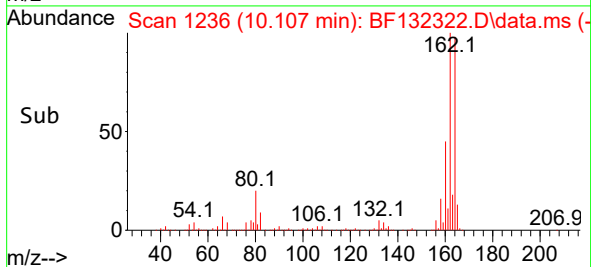
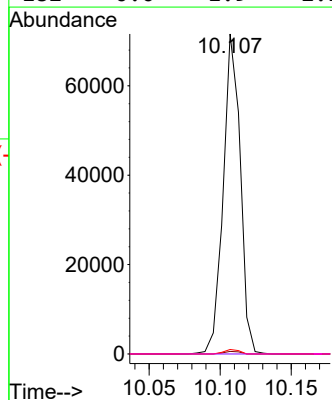
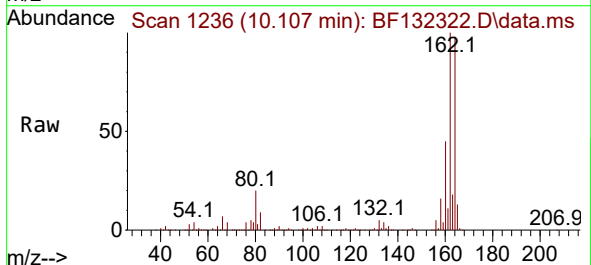
Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

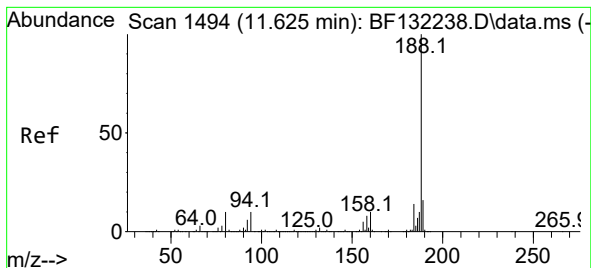
Tgt Ion:165 Resp: 59598  
Ion Ratio Lower Upper  
165 100  
63 0.8 41.5 62.3#  
89 1.4 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.432 ng  
RT: 10.107 min Scan# 1236  
Delta R.T. -0.188 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion:165 Resp: 59598  
Ion Ratio Lower Upper  
165 100  
63 0.8 30.9 46.3#  
89 1.4 60.1 90.1#  
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.607 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF132322.D

Acq: 03 Feb 2023 15:07

Instrument :

BNA\_F

ClientSampleId :

PB150669BL

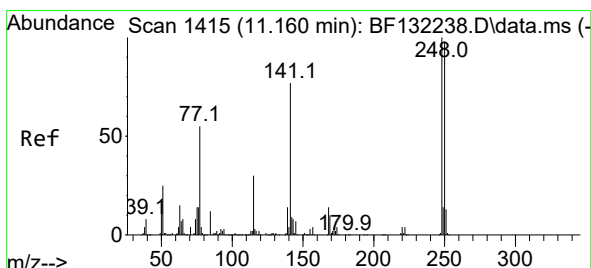
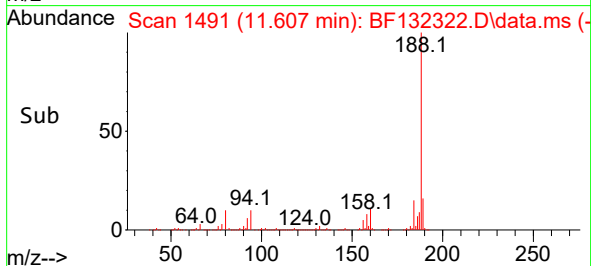
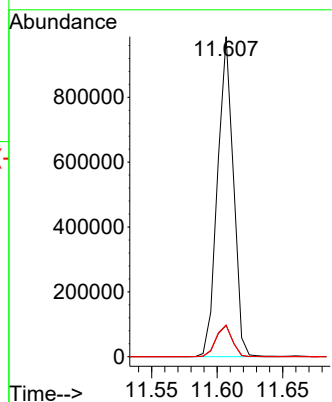
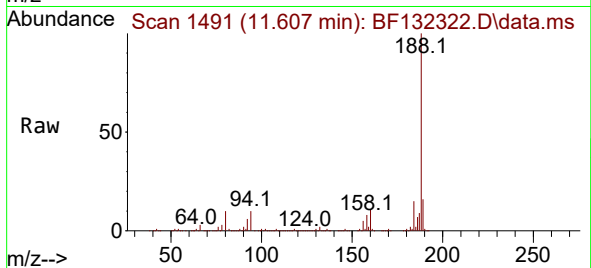
Tgt Ion:188 Resp: 827879

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.2

80 9.9 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.257 ng

RT: 10.907 min Scan# 1372

Delta R.T. -0.241 min

Lab File: BF132322.D

Acq: 03 Feb 2023 15:07

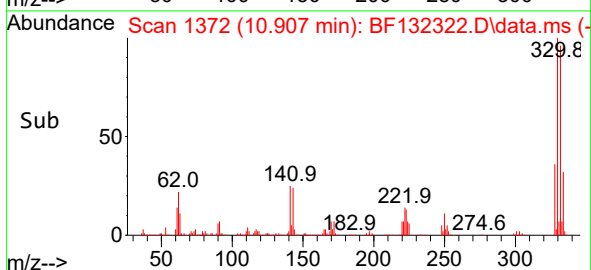
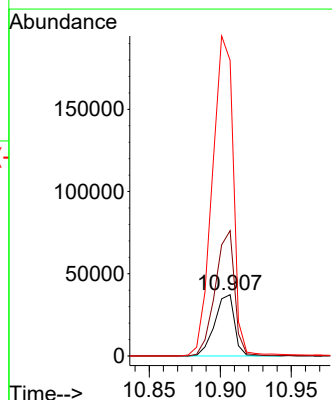
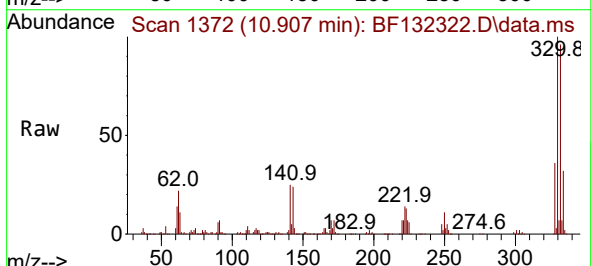
Tgt Ion:248 Resp: 36085

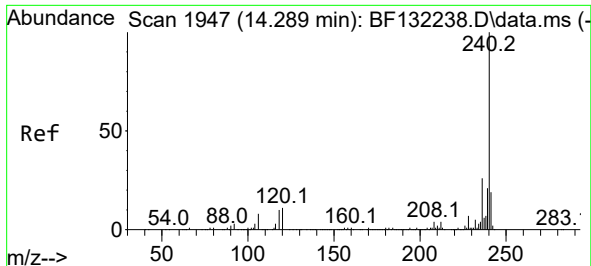
Ion Ratio Lower Upper

248 100

250 204.5 78.6 117.8#

141 482.6 61.6 92.4#

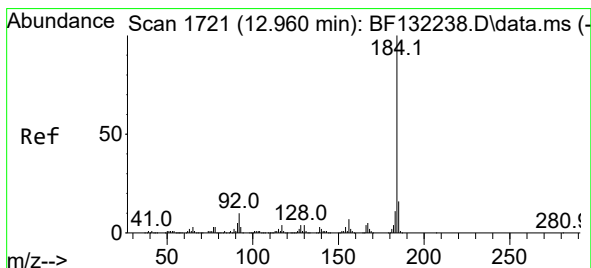
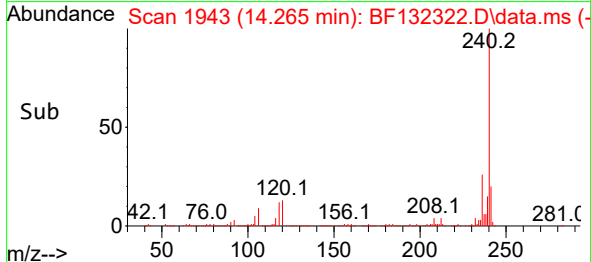
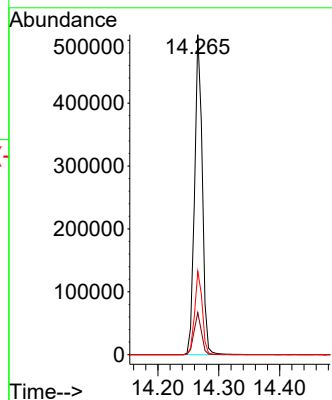
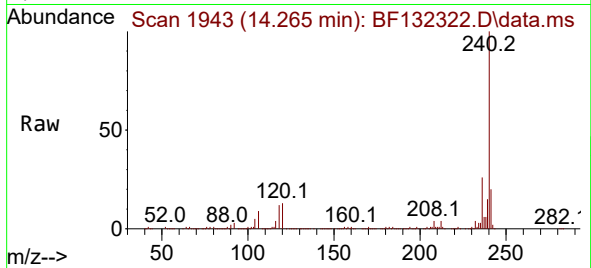




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.265 min Scan# 1943  
Delta R.T. -0.006 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

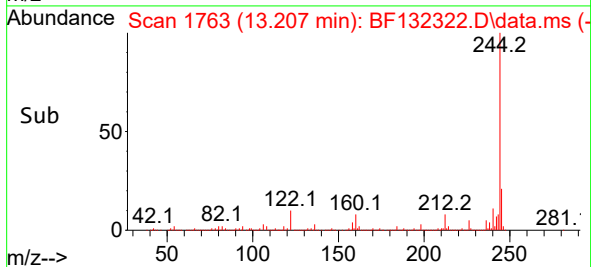
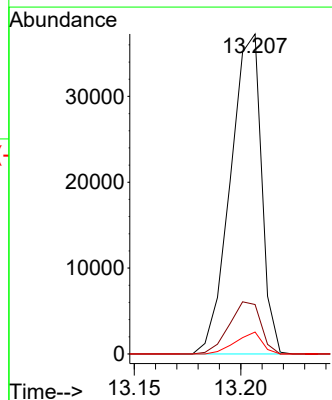
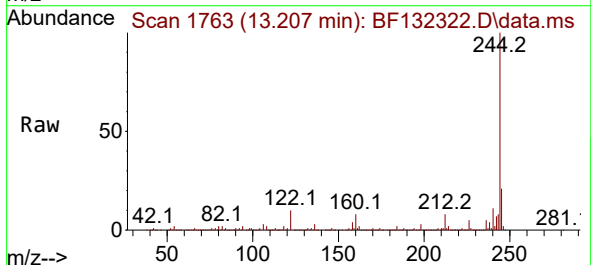
Instrument :  
BNA\_F  
ClientSampleId :  
PB150669BL

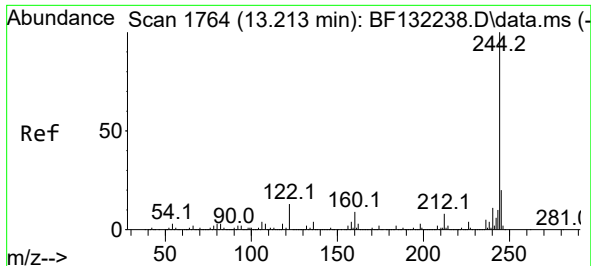
Tgt Ion:240 Resp: 448024  
Ion Ratio Lower Upper  
240 100  
120 13.2 8.8 13.2  
236 26.0 21.0 31.6



#77  
Benzidine  
Concen: 2.418 ng  
RT: 13.207 min Scan# 1763  
Delta R.T. 0.259 min  
Lab File: BF132322.D  
Acq: 03 Feb 2023 15:07

Tgt Ion:184 Resp: 37873  
Ion Ratio Lower Upper  
184 100  
185 15.4 12.6 18.8  
183 6.9 8.9 13.3#

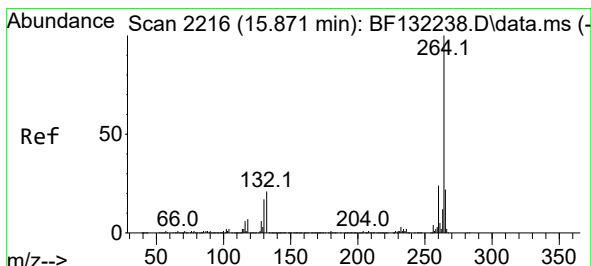
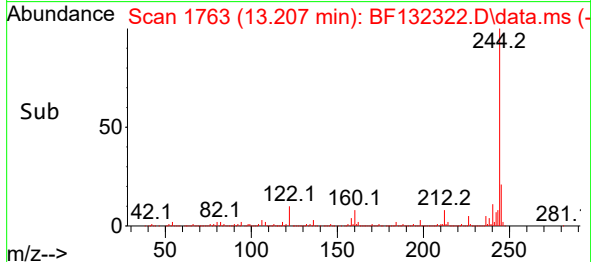
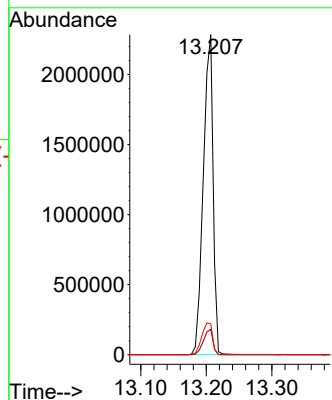
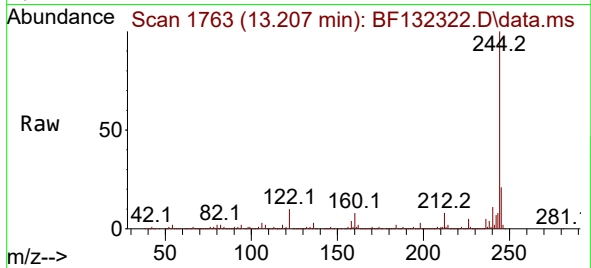




#79  
 Terphenyl-d14  
 Concen: 102.512 ng  
 RT: 13.207 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF132322.D  
 Acq: 03 Feb 2023 15:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150669BL

Tgt Ion:244 Resp: 2374262  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.4 9.6  
 122 9.6 10.5 15.7#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.848 min Scan# 2212  
 Delta R.T. -0.006 min  
 Lab File: BF132322.D  
 Acq: 03 Feb 2023 15:07

Tgt Ion:264 Resp: 351370  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.0 28.4  
 265 21.4 17.4 26.2

