

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060523\  
 Data File : BF133584.D  
 Acq On : 06 Jun 2023 00:54  
 Operator : CG\JU  
 Sample : 02983-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC19

Quant Time: Jun 06 01:40:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 17:49:53 2023  
 Response via : Initial Calibration

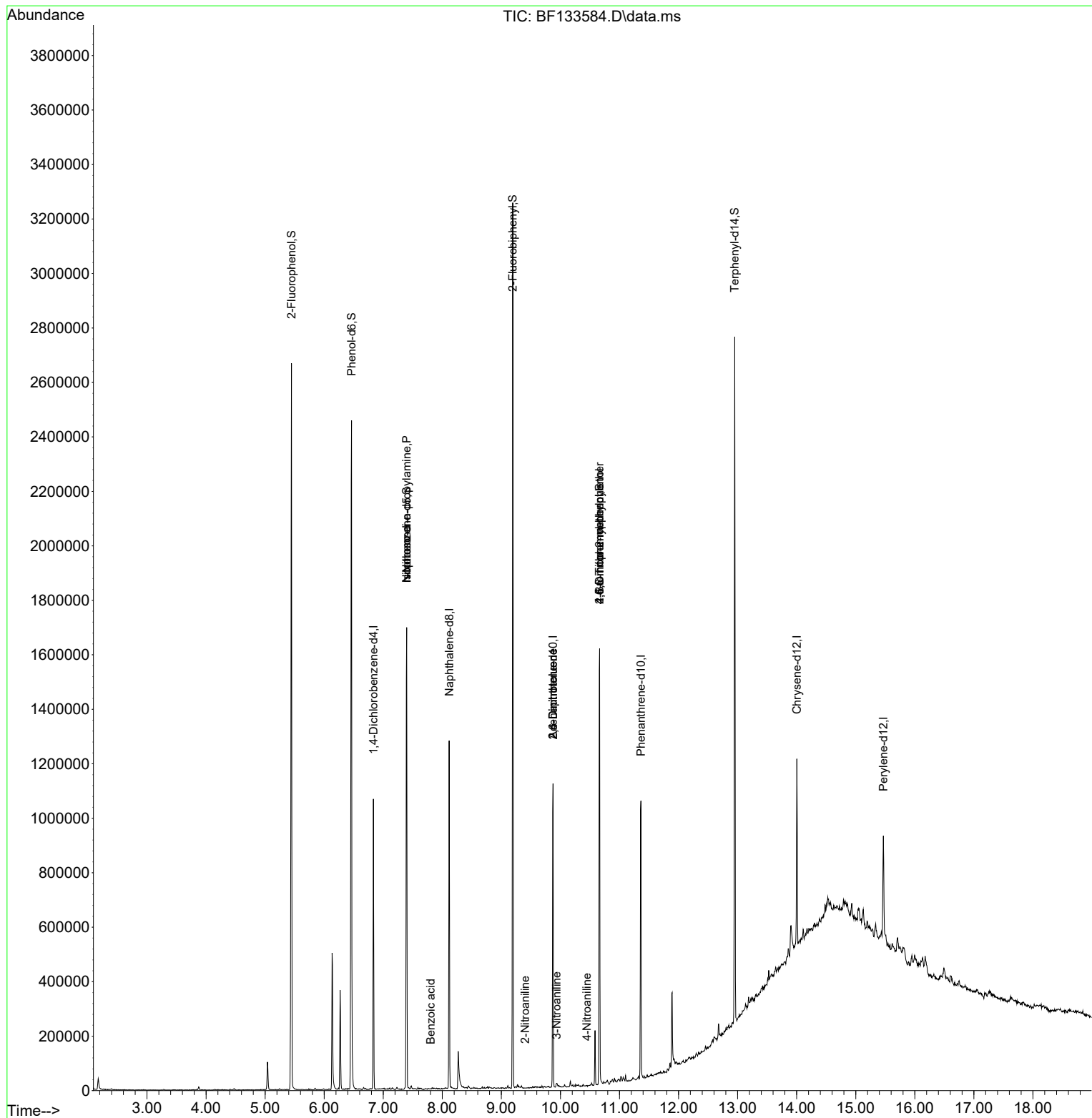
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 135510   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 486656   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 217025   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 390410   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.004 | 240  | 219073   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 182033   | 20.000    | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 687942   | 84.703    | ng    | 0.01     |
| 7) Phenol-d6                  | 6.463  | 99   | 828099   | 82.826    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 494883   | 67.897    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 196930   | 91.031    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 887796   | 63.138    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 828951   | 67.277    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.381  | 77   | 444      | Below Cal | #     | 24       |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 69307    | 10.714    | ng    | # 72     |
| 25) Isophorone                | 7.398  | 82   | 494877   | 29.133    | ng    | # 65     |
| 32) Benzoic acid              | 7.804  | 122  | 397      | 7.420     | ng    | 90       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 61       | 4.004     | ng    | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 28273    | 12.683    | ng    | # 18     |
| 53) 3-Nitroaniline            | 9.933  | 138  | 170      | 3.223     | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 28273    | 11.824    | ng    | # 15     |
| 62) 4-Nitroaniline            | 10.445 | 138  | 54       | 2.999     | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 369      | 8.901     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 12348    | 2.978     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

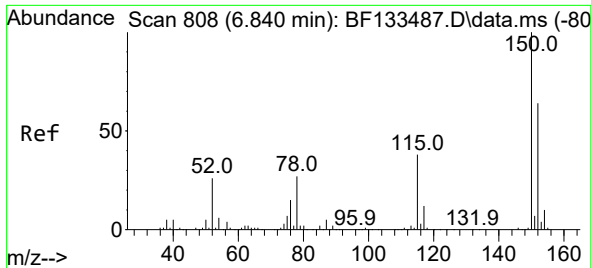
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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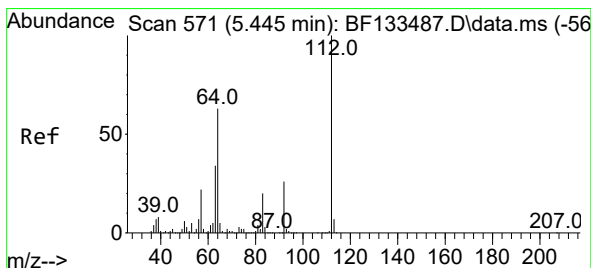
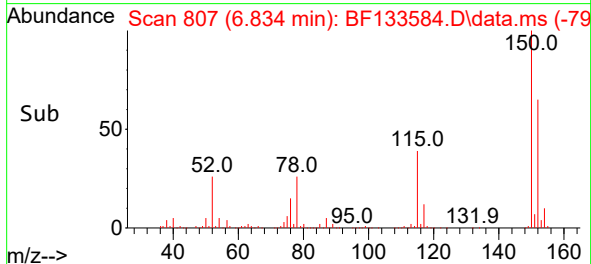
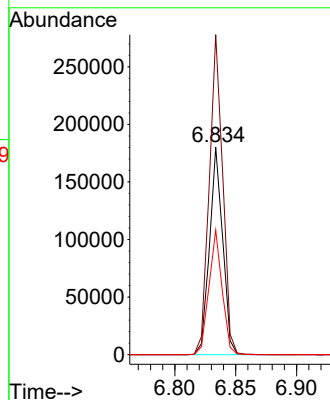
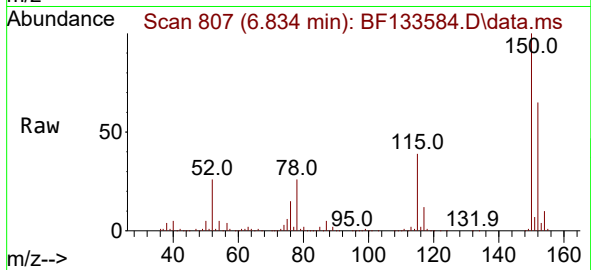




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

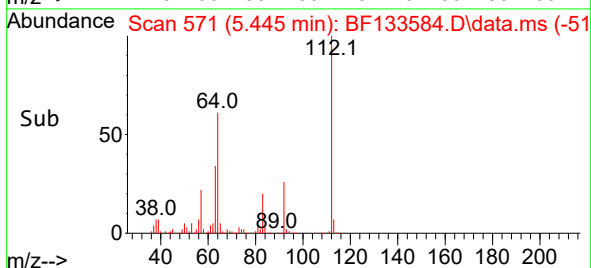
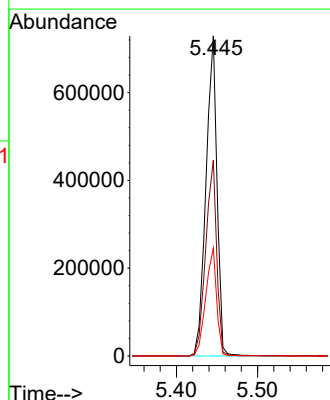
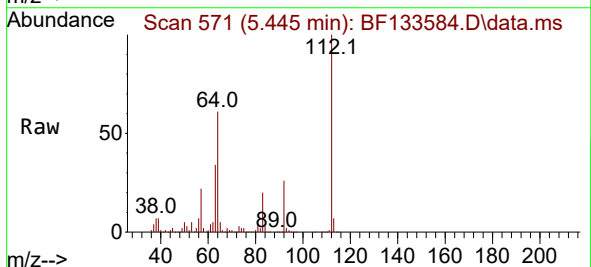
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

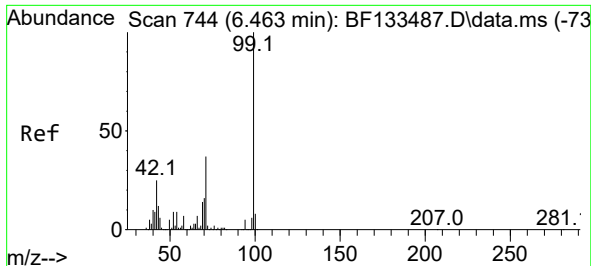
Tgt Ion:152 Resp: 135510  
Ion Ratio Lower Upper  
152 100  
150 154.2 124.9 187.3  
115 60.0 48.1 72.1



#5  
2-Fluorophenol  
Concen: 84.703 ng  
RT: 5.445 min Scan# 571  
Delta R.T. 0.012 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion:112 Resp: 687942  
Ion Ratio Lower Upper  
112 100  
64 61.2 50.1 75.1  
63 33.7 27.5 41.3

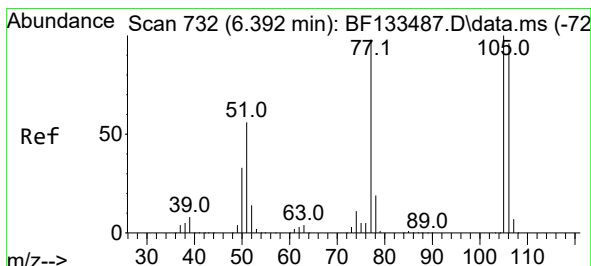
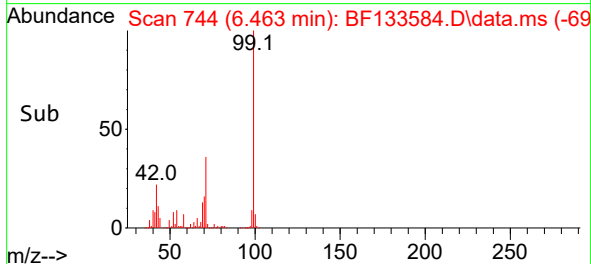
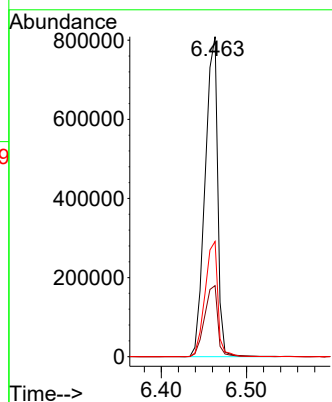
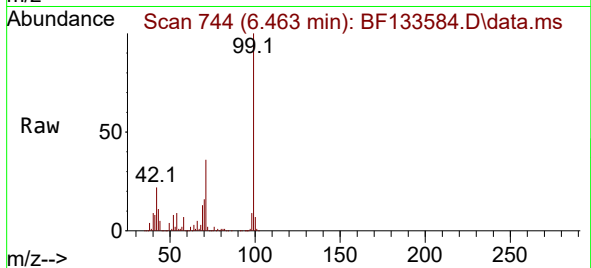




#7  
Phenol-d6  
Concen: 82.826 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

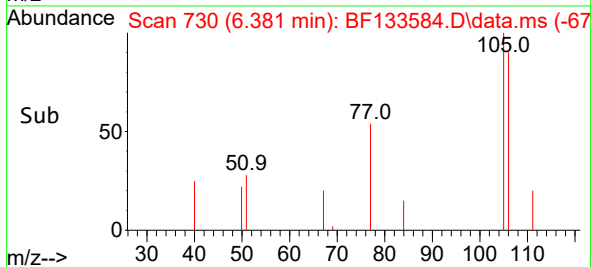
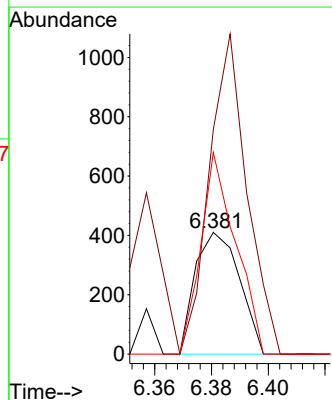
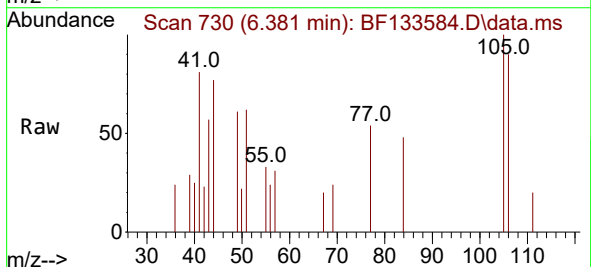
Instrument :  
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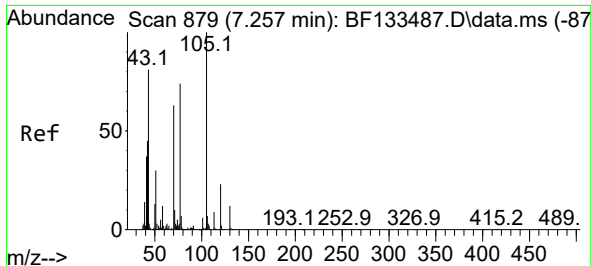
Tgt Ion: 99 Resp: 828099  
Ion Ratio Lower Upper  
99 100  
42 22.2 19.7 29.5  
71 36.0 29.8 44.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.381 min Scan# 730  
Delta R.T. 0.000 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion: 77 Resp: 444  
Ion Ratio Lower Upper  
77 100  
105 184.6 81.9 121.9#  
106 165.9 77.8 117.8#

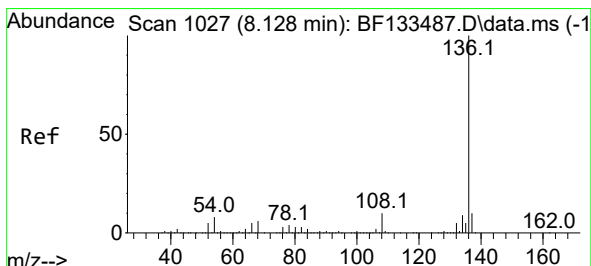
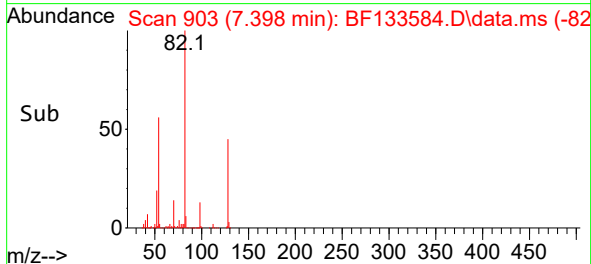
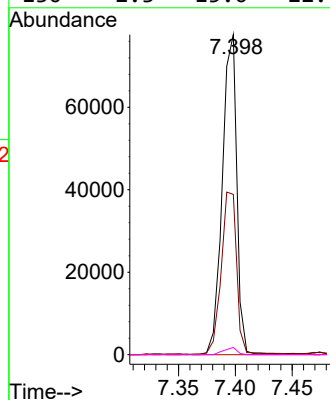
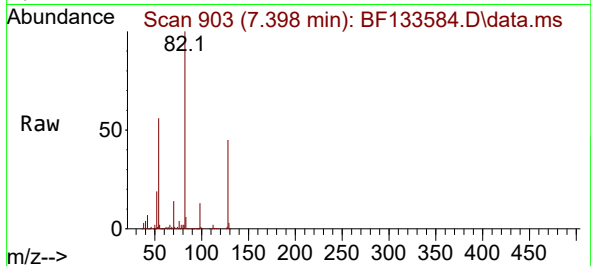




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.714 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.147 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

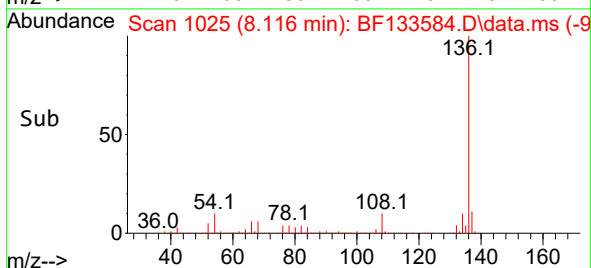
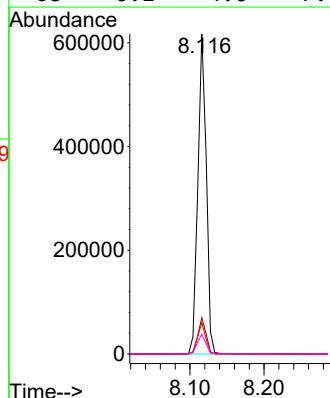
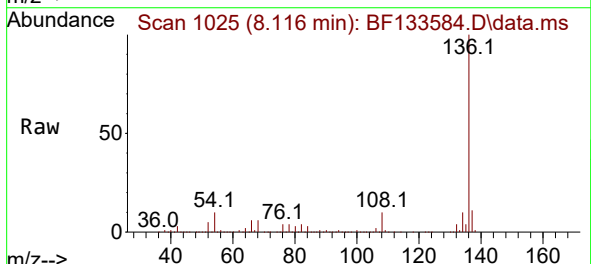
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

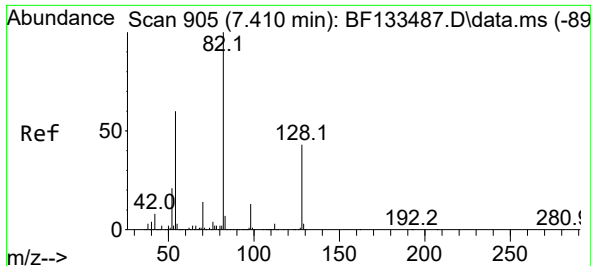
Tgt Ion: 70 Resp: 69307  
Ion Ratio Lower Upper  
70 100  
42 50.1 57.2 85.8#  
101 0.0 7.3 10.9#  
130 2.3 15.0 22.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. 0.000 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion: 136 Resp: 486656  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.2 12.4  
54 9.8 6.6 10.0  
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 67.897 ng

RT: 7.398 min Scan# 903

Delta R.T. 0.000 min

Lab File: BF133584.D

Acq: 06 Jun 2023 00:54

Instrument :

BNA\_F

ClientSampleId :

WC19

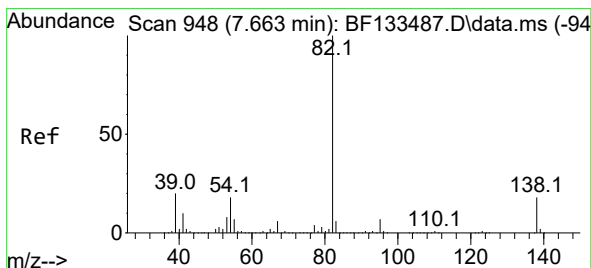
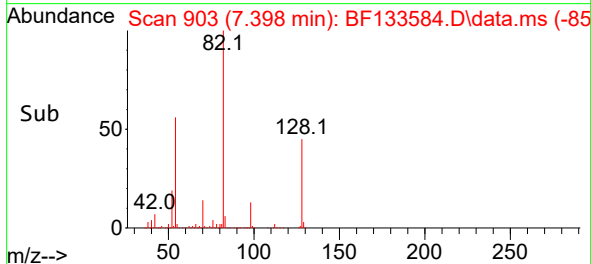
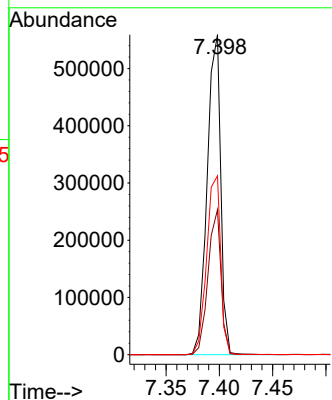
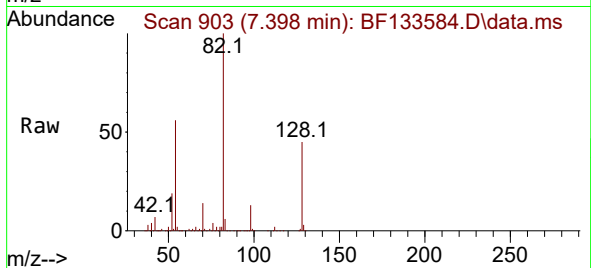
Tgt Ion: 82 Resp: 494883

Ion Ratio Lower Upper

82 100

128 45.3 34.2 51.4

54 55.9 48.2 72.4



#25

Isophorone

Concen: 29.133 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133584.D

Acq: 06 Jun 2023 00:54

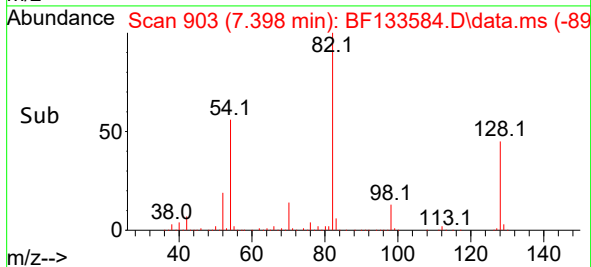
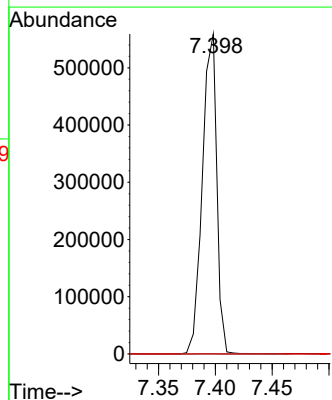
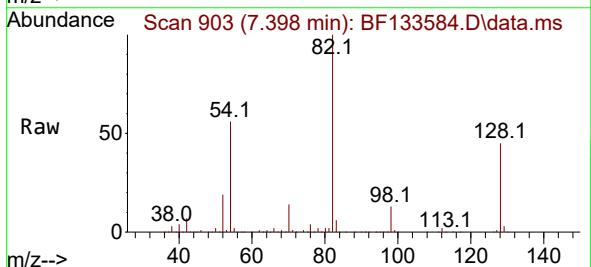
Tgt Ion: 82 Resp: 494877

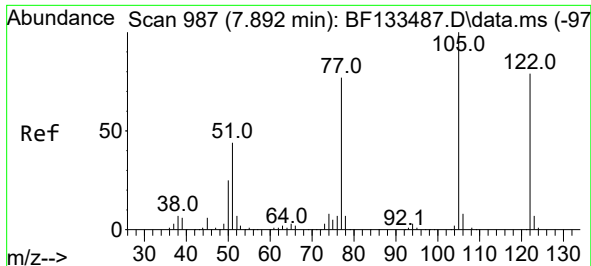
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

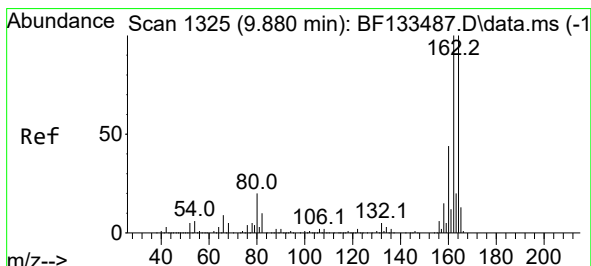
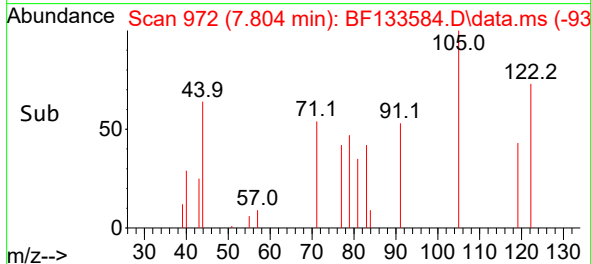
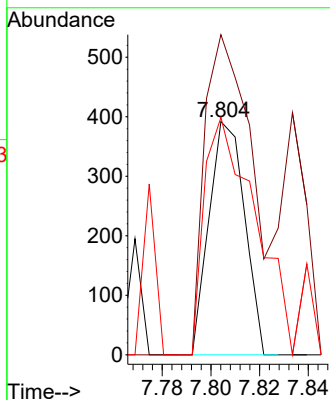
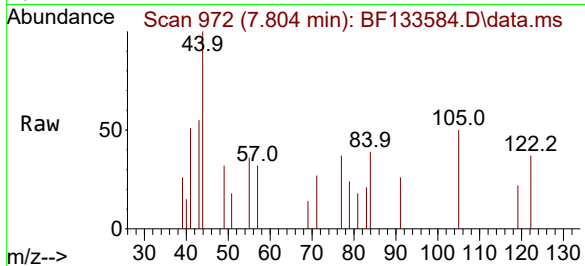




#32  
Benzoic acid  
Concen: 7.420 ng  
RT: 7.804 min Scan# 91  
Delta R.T. -0.059 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

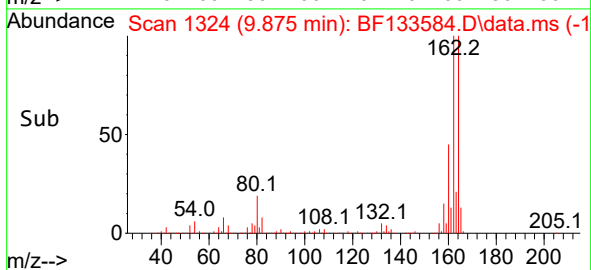
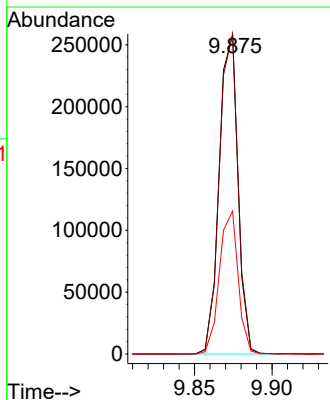
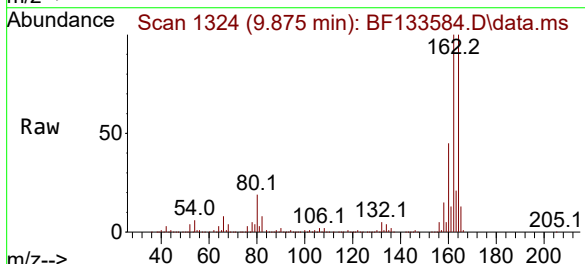
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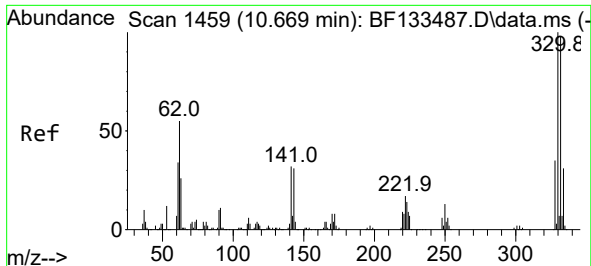
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 397   |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 105      | 137.2 | 103.3 | 143.3 |
| 77       | 101.8 | 75.7  | 115.7 |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.000 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 217025 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 100.3 | 79.7  | 119.5  |
| 160      | 44.8  | 35.4  | 53.0   |





#42

2,4,6-Tribromophenol

Concen: 91.031 ng

RT: 10.663 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133584.D

Acq: 06 Jun 2023 00:54

Instrument :

BNA\_F

ClientSampleId :

WC19

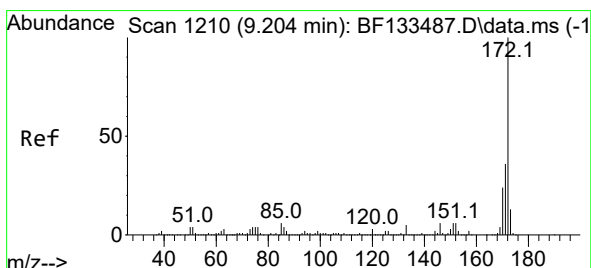
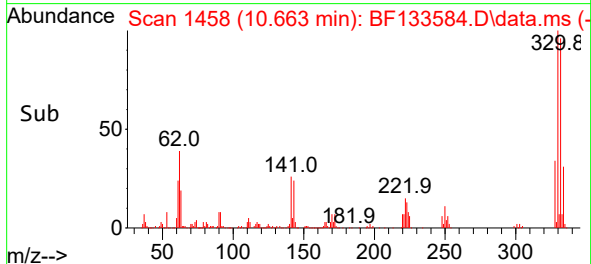
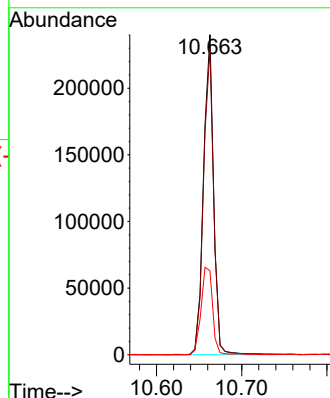
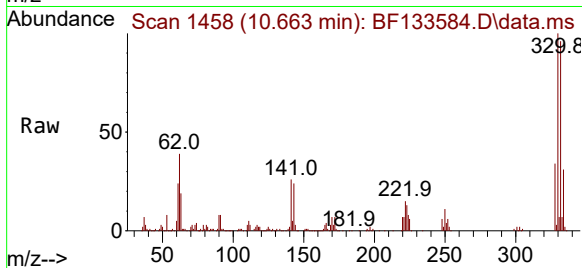
Tgt Ion:330 Resp: 196930

Ion Ratio Lower Upper

330 100

332 96.7 77.8 116.6

141 31.8 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 63.138 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF133584.D

Acq: 06 Jun 2023 00:54

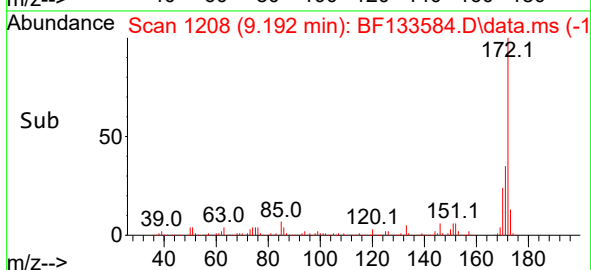
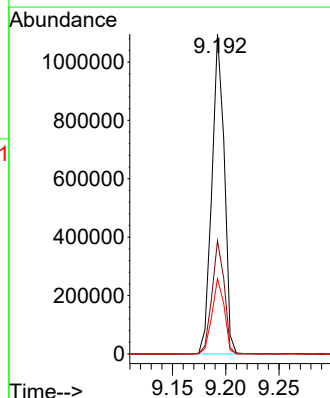
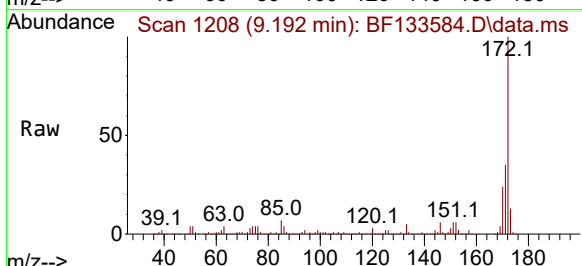
Tgt Ion:172 Resp: 887796

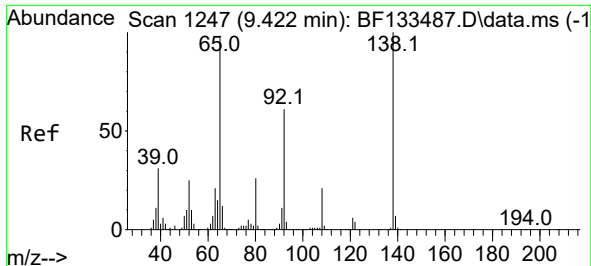
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 19.3 28.9

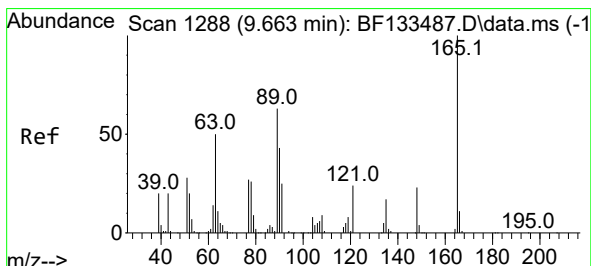
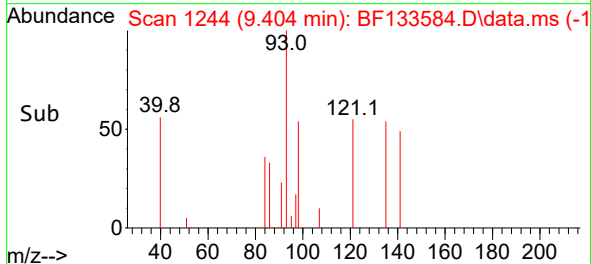
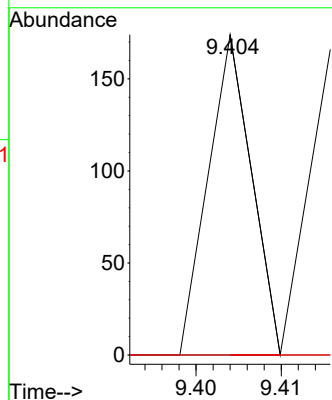
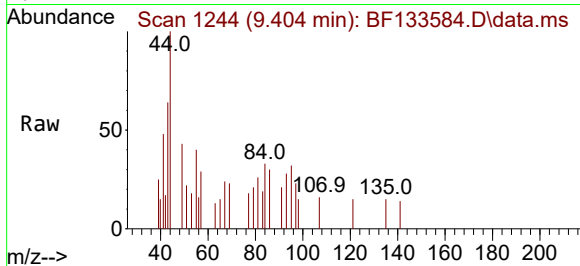




#48  
2-Nitroaniline  
Concen: 4.004 ng  
RT: 9.404 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

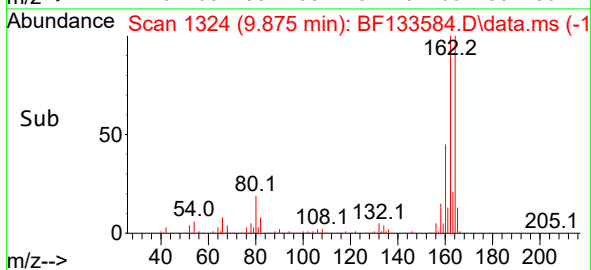
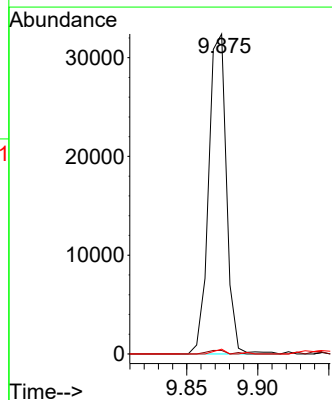
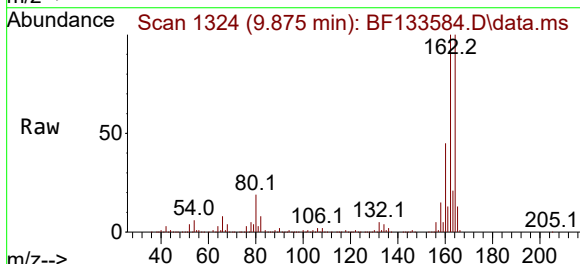
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

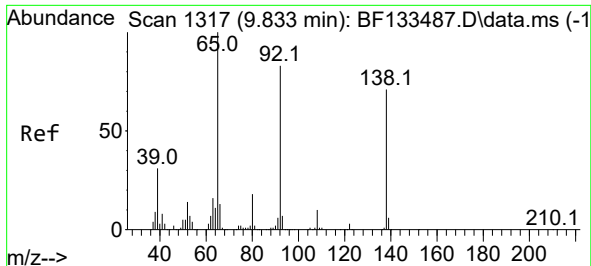
Tgt Ion: 65 Resp: 61  
Ion Ratio Lower Upper  
65 100  
92 0.0 50.8 76.2#  
138 0.0 82.6 124.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.683 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.218 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion: 165 Resp: 28273  
Ion Ratio Lower Upper  
165 100  
63 1.1 57.0 85.4#  
89 1.5 50.8 76.2#

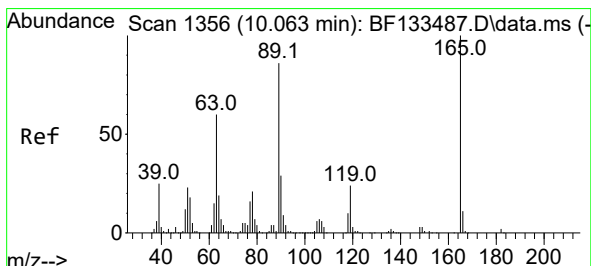
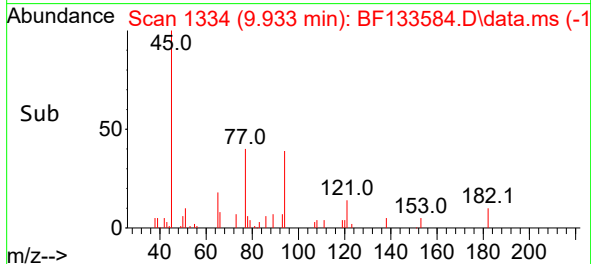
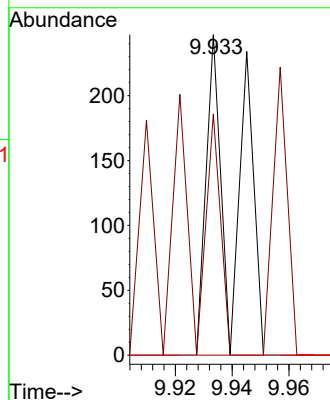
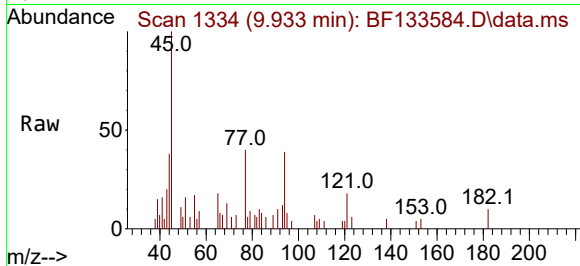




#53  
3-Nitroaniline  
Concen: 3.223 ng  
RT: 9.933 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

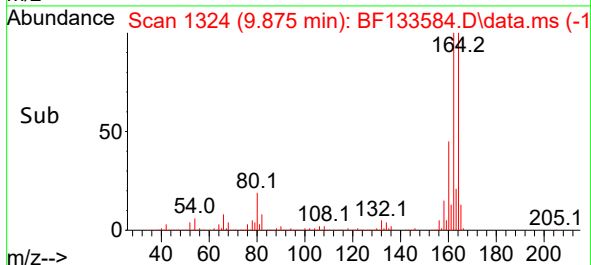
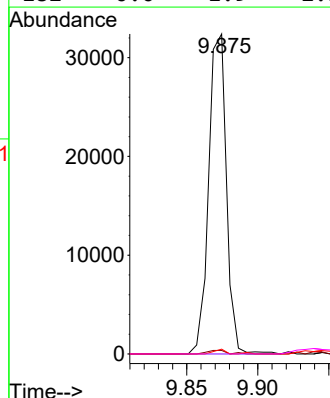
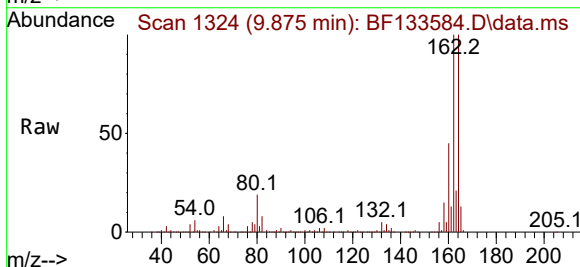
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

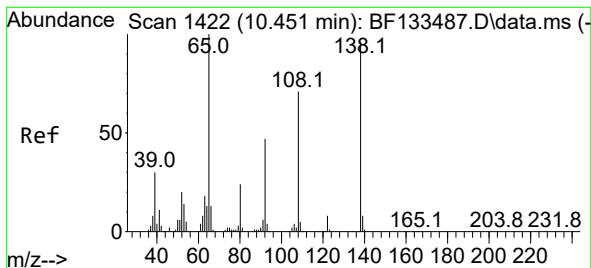
Tgt Ion:138 Resp: 170  
Ion Ratio Lower Upper  
138 100  
108 75.3 11.9 17.9#  
92 0.0 93.1 139.7#



#57  
2,4-Dinitrotoluene  
Concen: 11.824 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.182 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion:165 Resp: 28273  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.1 72.1#  
89 1.5 68.4 102.6#  
182 0.0 1.9 2.9#

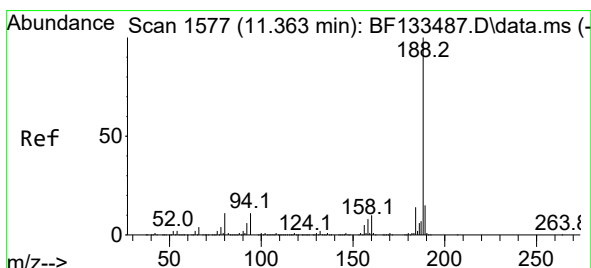
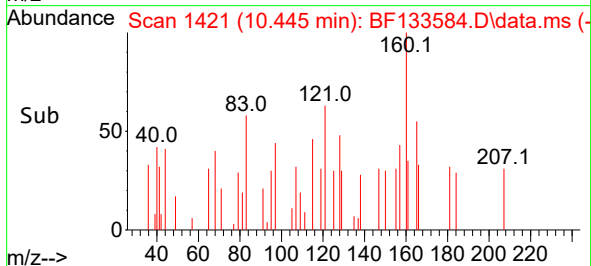
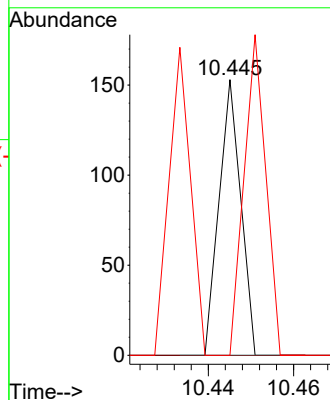
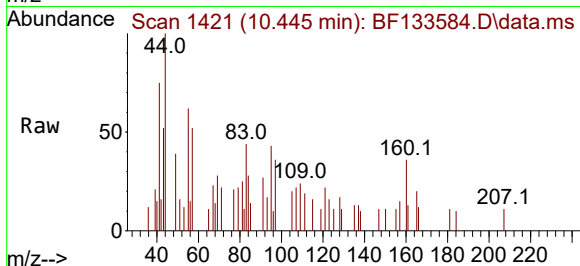




#62  
4-Nitroaniline  
Concen: 2.999 ng  
RT: 10.445 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

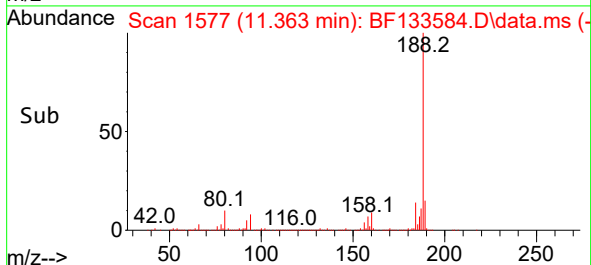
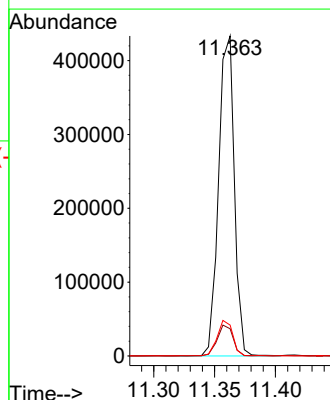
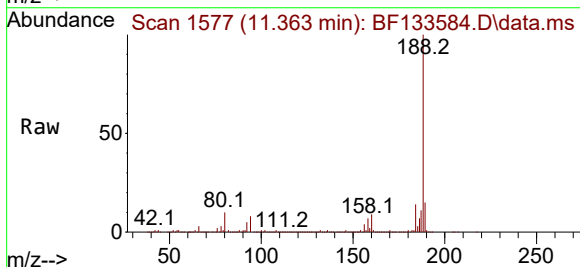
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

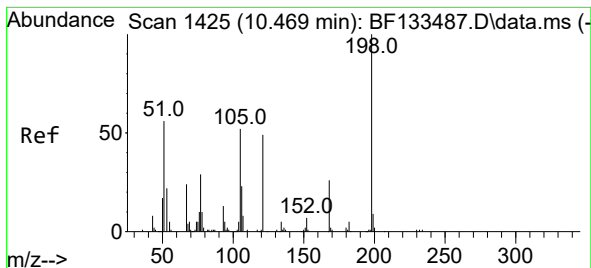
Tgt Ion:138 Resp: 54  
Ion Ratio Lower Upper  
138 100  
92 0.0 28.4 68.4#  
108 0.0 54.2 94.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. 0.006 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion:188 Resp: 390410  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.6 12.8#  
80 9.7 9.2 13.8

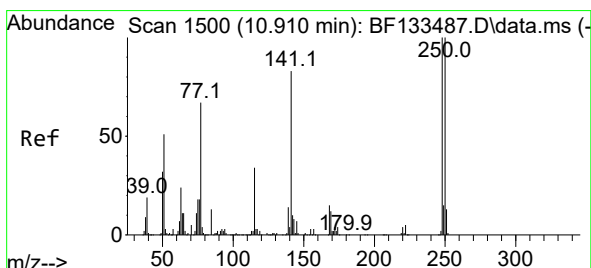
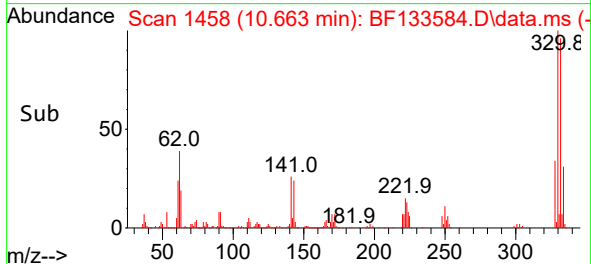
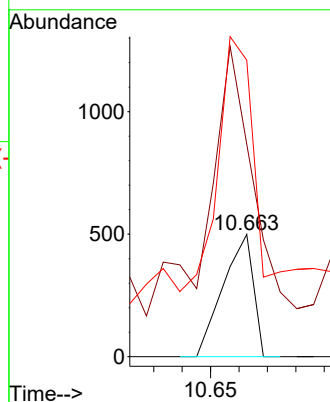
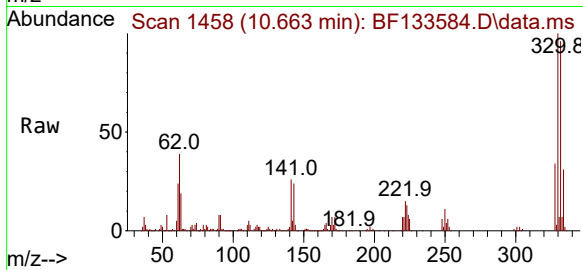




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.901 ng  
RT: 10.663 min Scan# 1425  
Delta R.T. 0.200 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

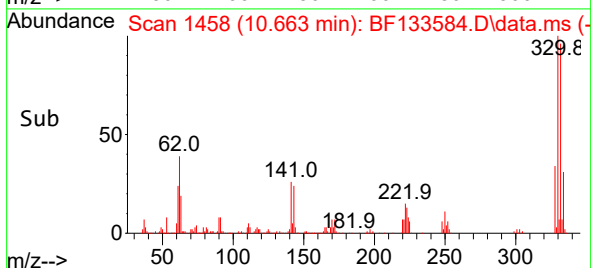
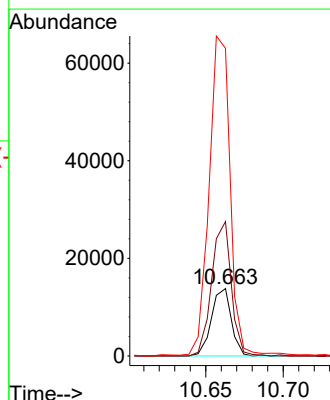
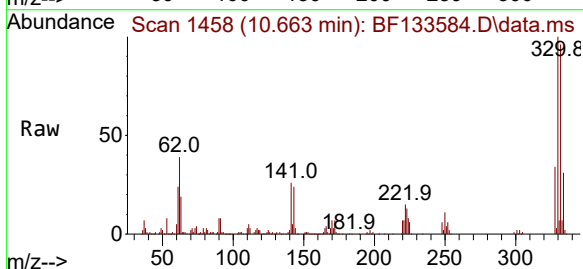
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

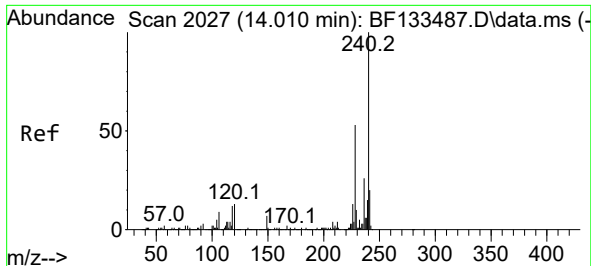
Tgt Ion:198 Resp: 369  
Ion Ratio Lower Upper  
198 100  
51 173.7 53.6 93.6#  
105 242.5 35.9 75.9#



#67  
4-Bromophenyl-phenylether  
Concen: 2.978 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.241 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion:248 Resp: 12348  
Ion Ratio Lower Upper  
248 100  
250 199.7 79.7 119.5#  
141 457.0 66.6 100.0#

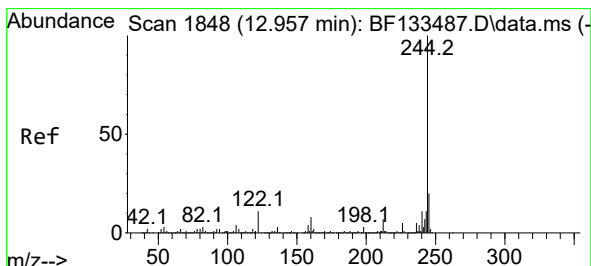
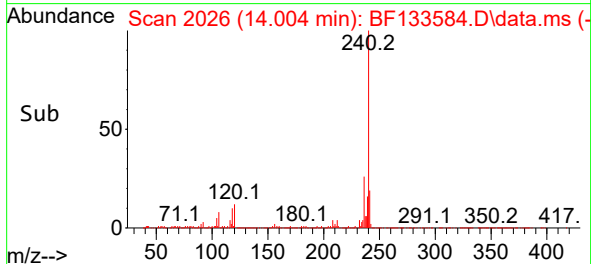
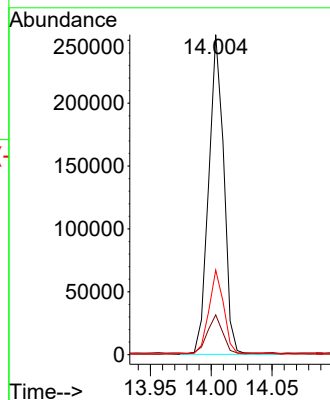
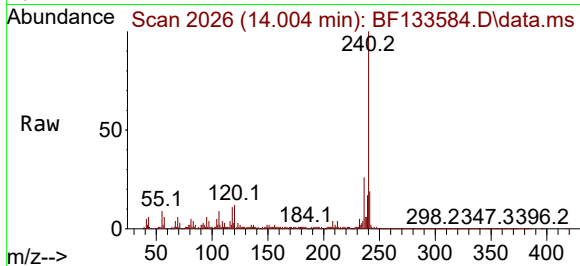




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

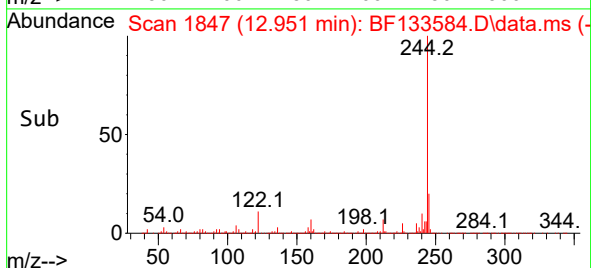
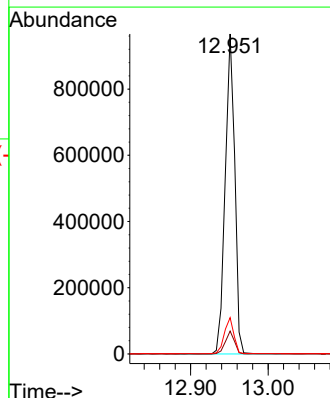
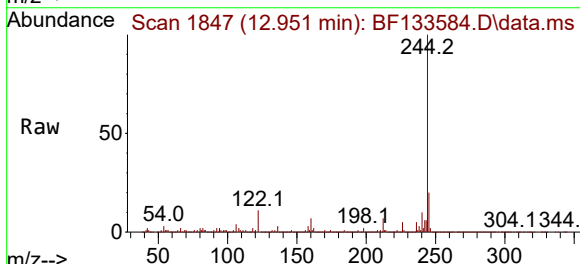
Instrument :  
BNA\_F  
ClientSampleId :  
WC19

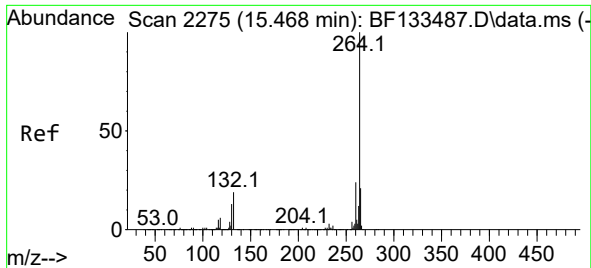
Tgt Ion:240 Resp: 219073  
Ion Ratio Lower Upper  
240 100  
120 12.5 10.3 15.5  
236 26.5 20.5 30.7



#79  
Terphenyl-d14  
Concen: 67.277 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Tgt Ion:244 Resp: 828951  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.6  
122 11.4 8.5 12.7





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF133584.D  
Acq: 06 Jun 2023 00:54

Instrument :  
BNA\_F  
ClientSampleId :  
WC19

Tgt Ion:264 Resp: 182033  
Ion Ratio Lower Upper  
264 100  
260 23.0 19.0 28.4  
265 21.1 16.8 25.2

