

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060523\  
 Data File : BF133566.D  
 Acq On : 05 Jun 2023 15:26  
 Operator : CG\JU  
 Sample : 02971-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB01

Quant Time: Jun 05 17:51:11 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

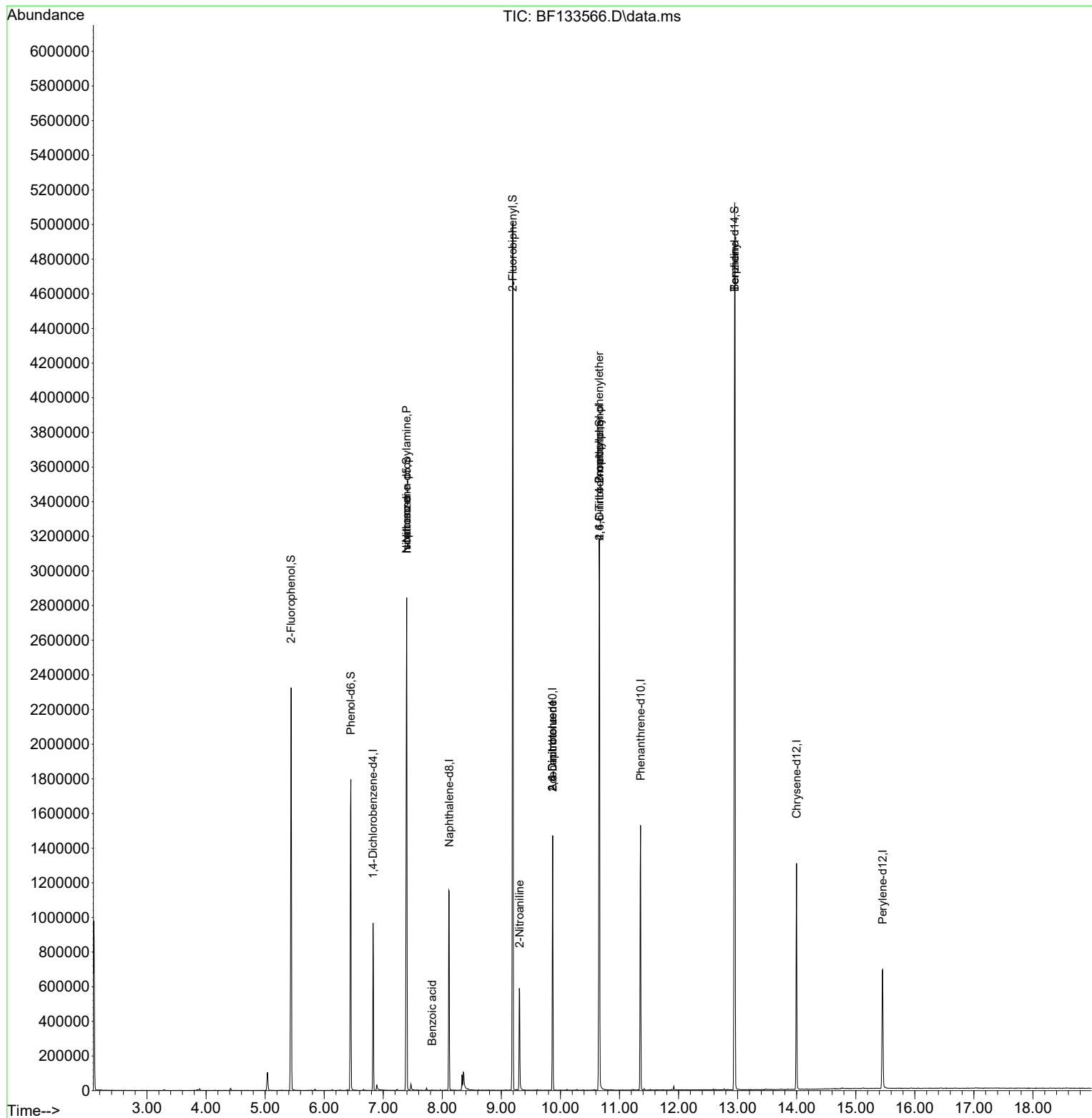
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.827  | 152  | 131288   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 505796   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.868  | 164  | 259018   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 536124   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 400731   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.456 | 264  | 331616   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 605979   | 77.010    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 560281   | 57.841    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 874474   | 115.437   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 449817   | 174.217   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1580118  | 94.156    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2255961  | 100.094   | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.451  | 77   | 772      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 121864   | 19.444    | ng    | # 76     |
| 25) Isophorone                | 7.398  | 82   | 872686   | 49.430    | ng    | # 65     |
| 32) Benzoic acid              | 7.827  | 122  | 80       | 7.363     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.310  | 65   | 5900     | 5.095     | ng    | # 13     |
| 51) 2,6-Dinitrotoluene        | 9.868  | 165  | 31509    | 12.087    | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.868  | 165  | 31509    | 11.355    | ng    | # 15     |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 1018     | 9.092     | ng    | # 8      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 27558    | 4.840     | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 30328    | 2.588     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

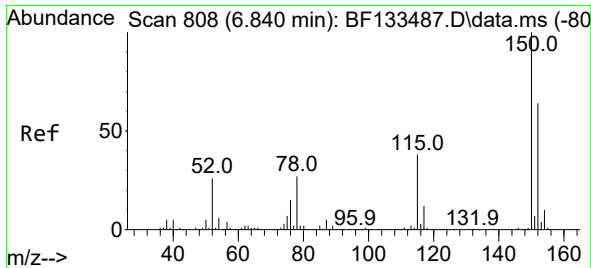
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

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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  
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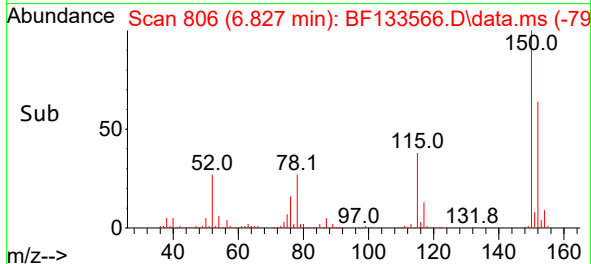
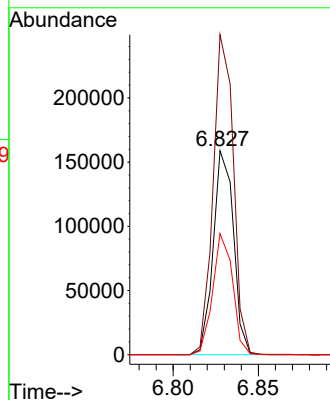
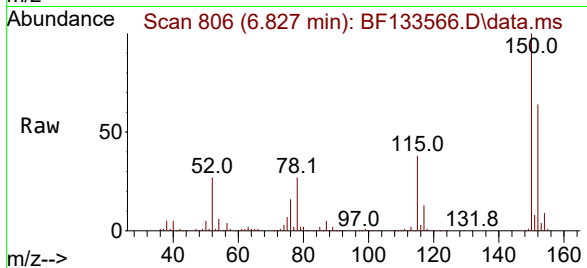




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.827 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

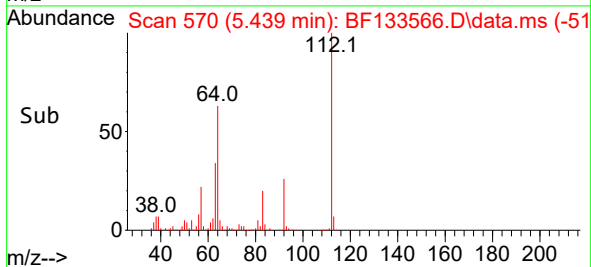
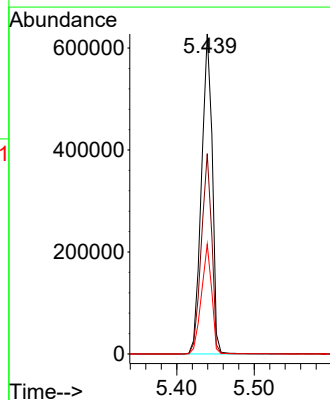
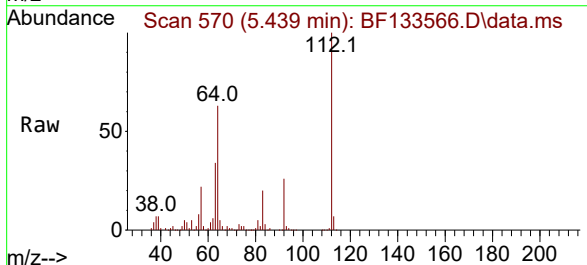
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

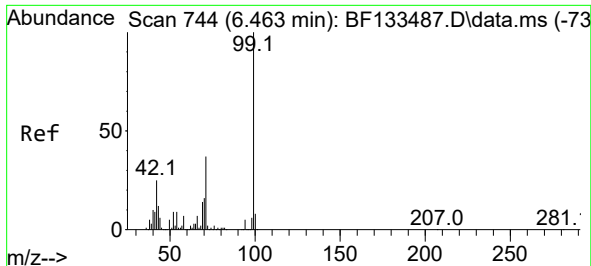
Tgt Ion:152 Resp: 131288  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.9 187.3  
115 59.4 48.1 72.1



#5  
2-Fluorophenol  
Concen: 77.010 ng  
RT: 5.439 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion:112 Resp: 605979  
Ion Ratio Lower Upper  
112 100  
64 62.6 50.1 75.1  
63 34.3 27.5 41.3

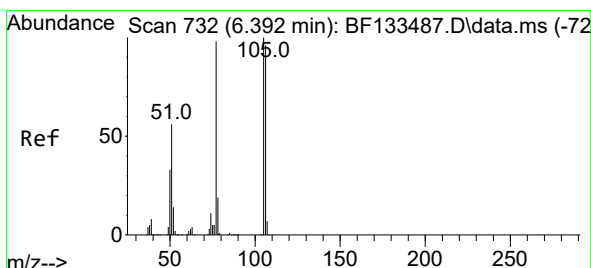
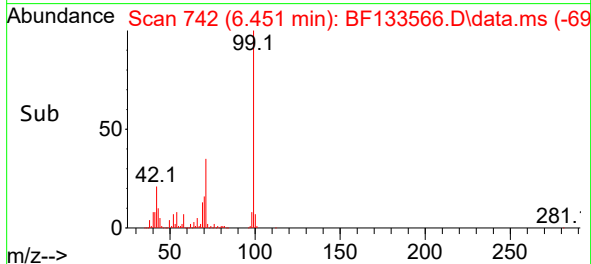
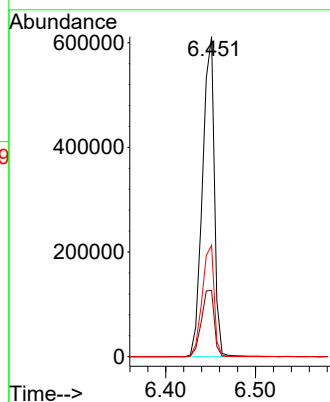
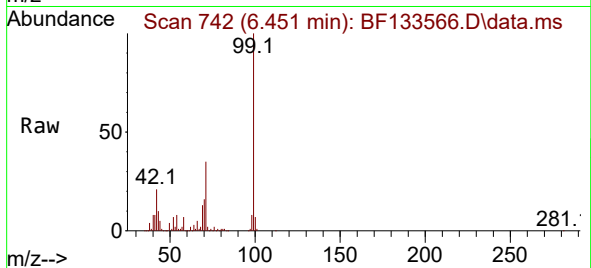




#7  
Phenol-d6  
Concen: 57.841 ng  
RT: 6.451 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

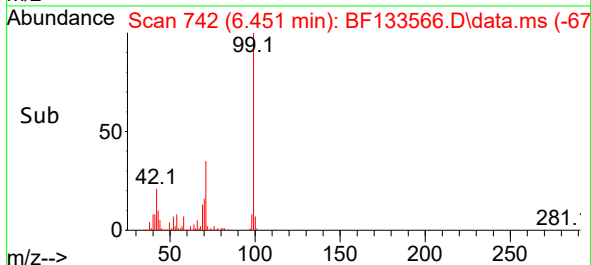
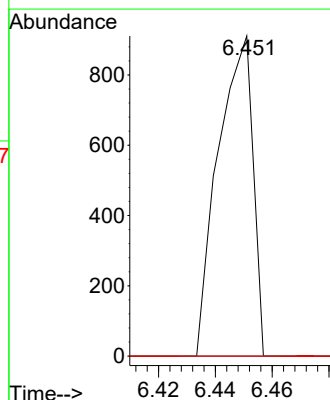
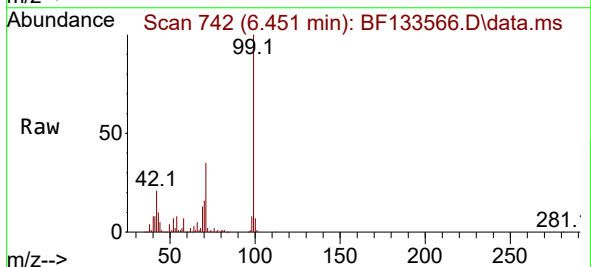
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

Tgt Ion: 99 Resp: 560281  
Ion Ratio Lower Upper  
99 100  
42 20.8 19.7 29.5  
71 34.8 29.8 44.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.451 min Scan# 742  
Delta R.T. 0.070 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion: 77 Resp: 772  
Ion Ratio Lower Upper  
77 100  
105 0.0 81.9 121.9#  
106 0.0 77.8 117.8#

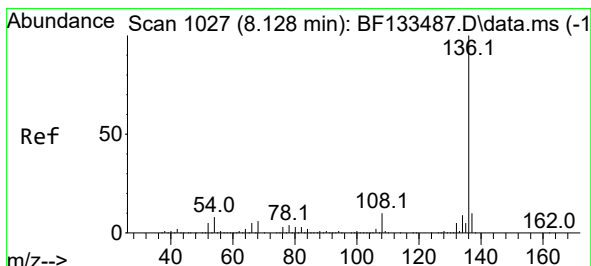
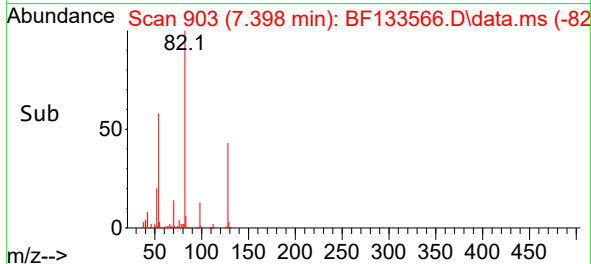
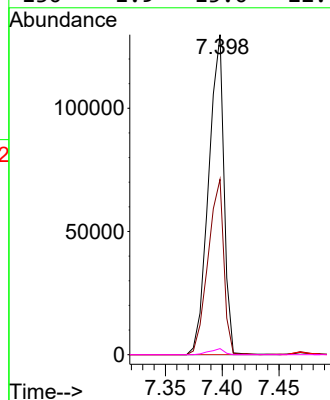
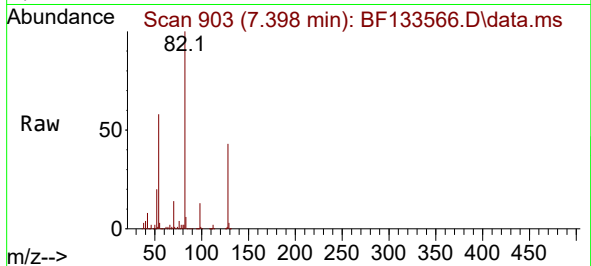




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.444 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.147 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

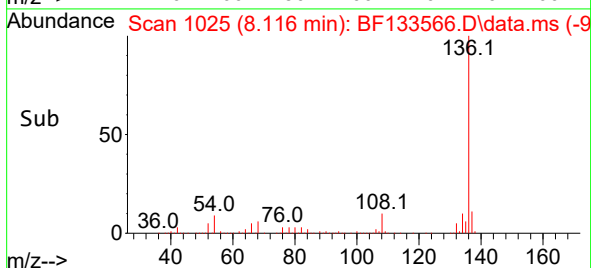
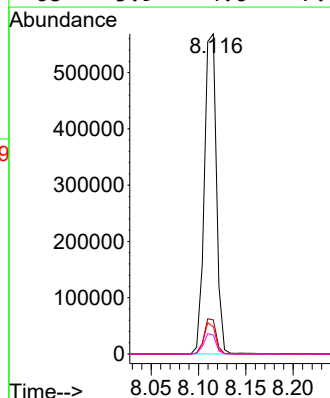
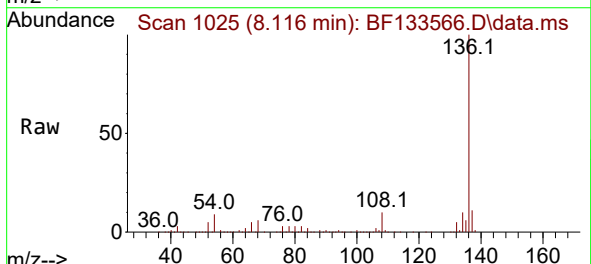
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

Tgt Ion: 70 Resp: 121864  
Ion Ratio Lower Upper  
70 100  
42 54.8 57.2 85.8#  
101 0.0 7.3 10.9#  
130 1.9 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: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion: 136 Resp: 505796  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.2 12.4  
54 8.6 6.6 10.0  
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 115.437 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

Instrument :

BNA\_F

ClientSampleId :

FB01

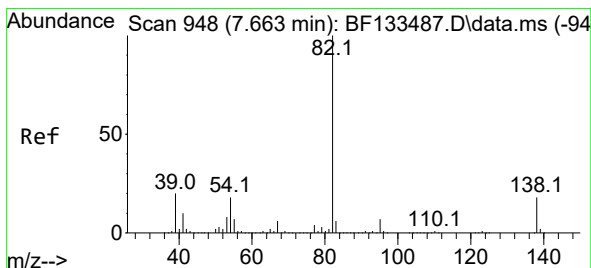
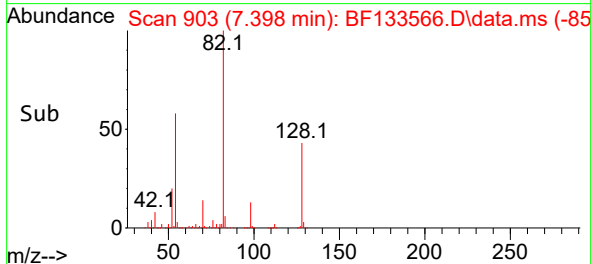
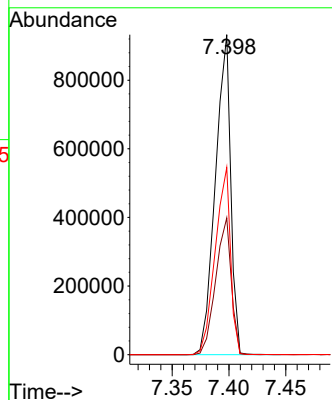
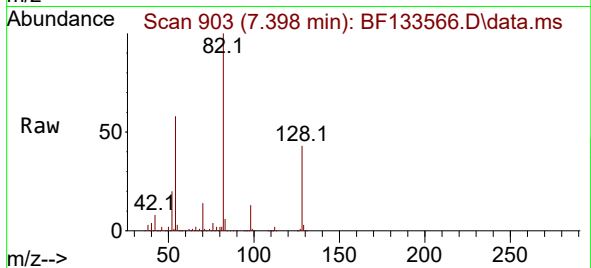
Tgt Ion: 82 Resp: 874474

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.4

54 58.5 48.2 72.4



#25

Isophorone

Concen: 49.430 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

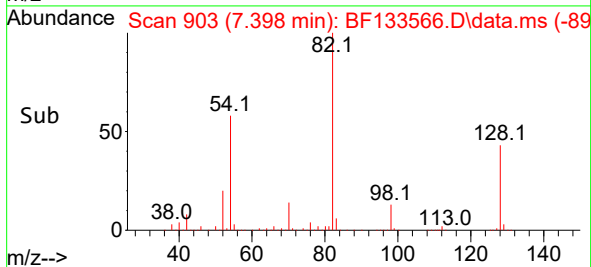
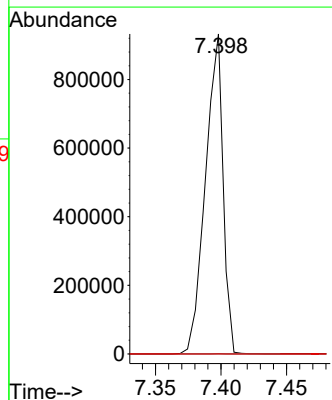
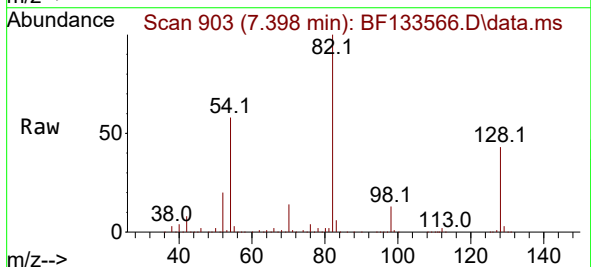
Tgt Ion: 82 Resp: 872686

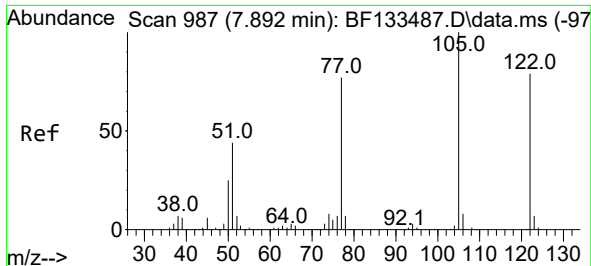
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

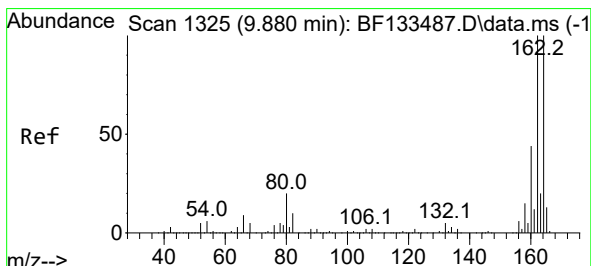
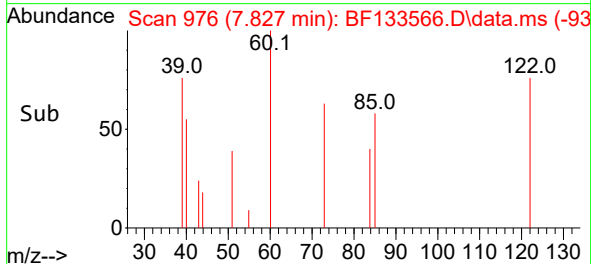
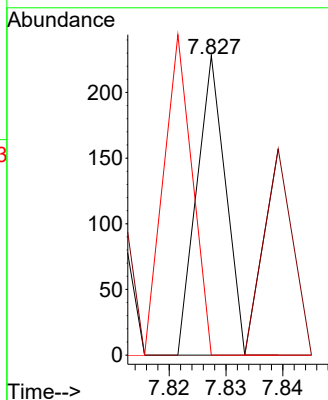
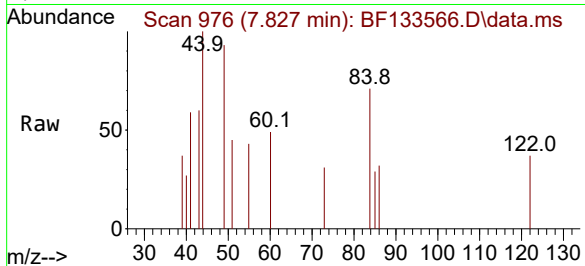




#32  
Benzoic acid  
Concen: 7.363 ng  
RT: 7.827 min Scan# 91  
Delta R.T. -0.035 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

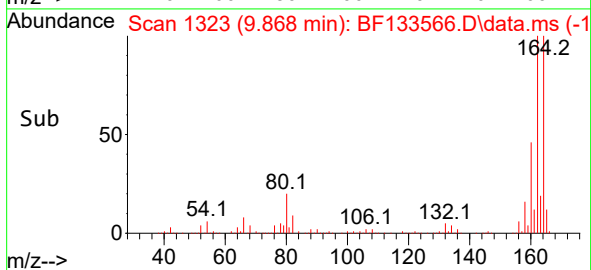
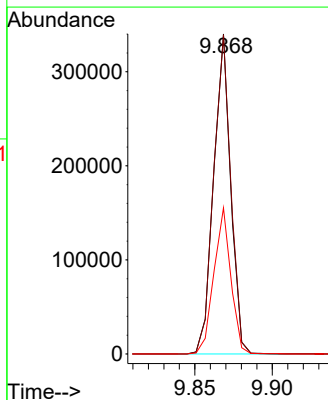
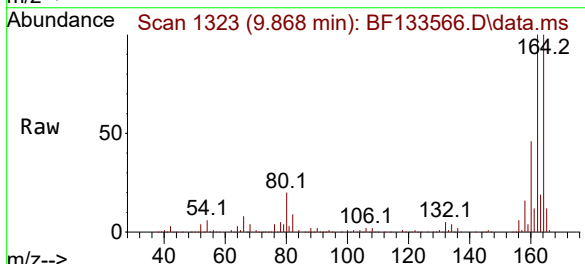
Instrument :  
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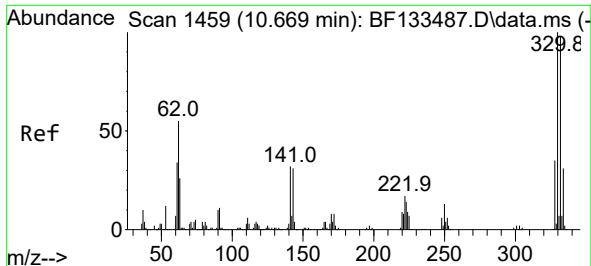
Tgt Ion:122 Resp: 80  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 0.0 75.7 115.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.868 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion:164 Resp: 259018  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.7 119.5  
160 45.6 35.4 53.0

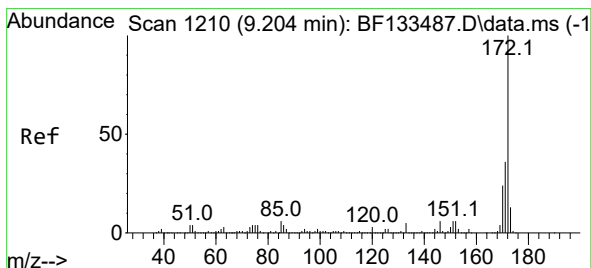
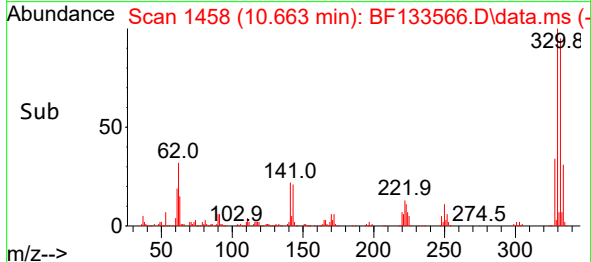
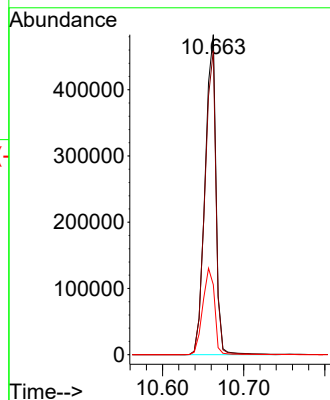
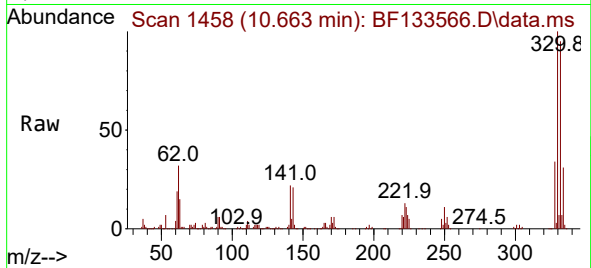




#42  
2,4,6-Tribromophenol  
Concen: 174.217 ng  
RT: 10.663 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

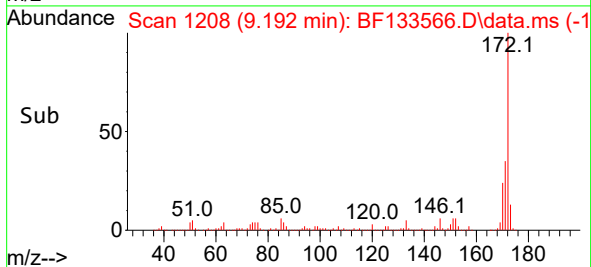
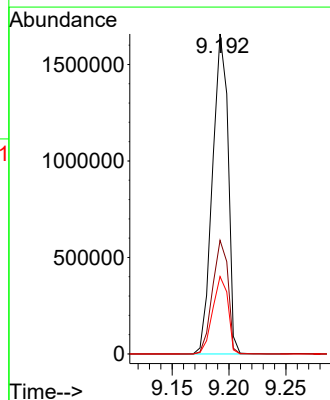
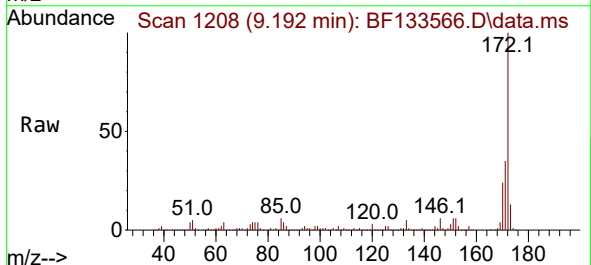
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

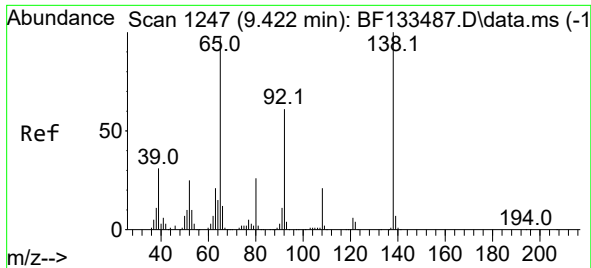
Tgt Ion:330 Resp: 449817  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.8 116.6  
141 29.4 26.6 40.0



#45  
2-Fluorobiphenyl  
Concen: 94.156 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.000 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion:172 Resp: 1580118  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 24.2 19.3 28.9

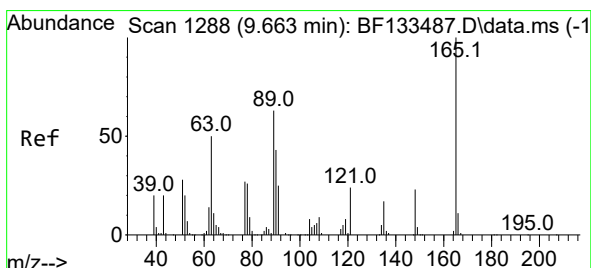
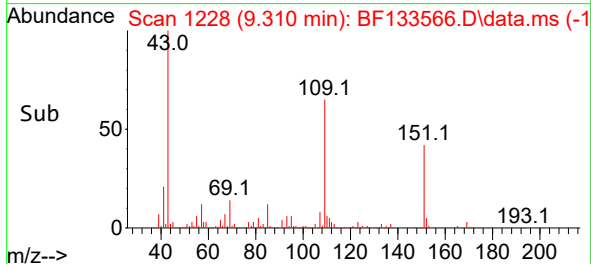
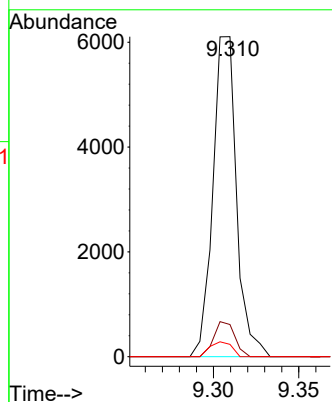
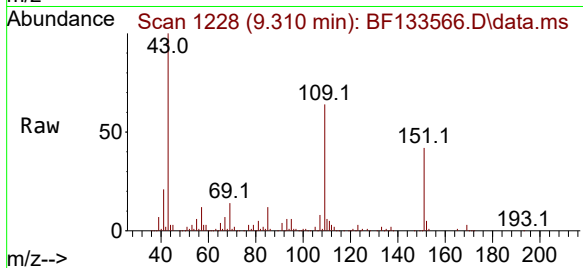




#48  
2-Nitroaniline  
Concen: 5.095 ng  
RT: 9.310 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

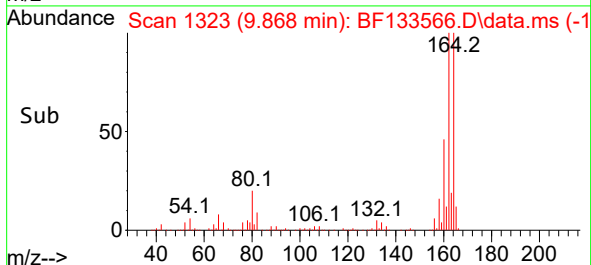
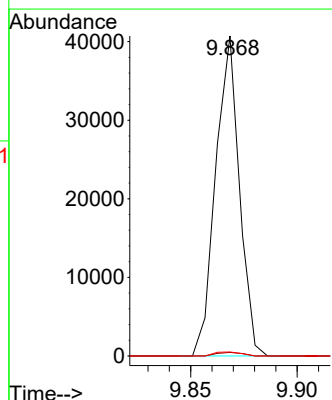
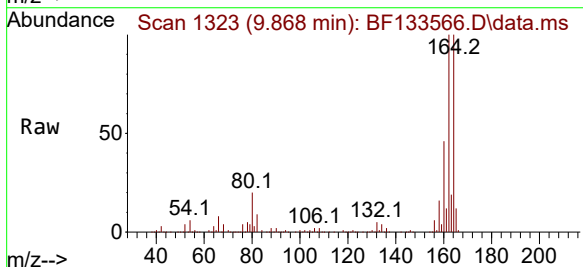
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

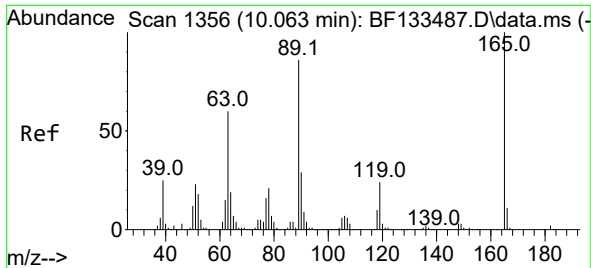
Tgt Ion: 65 Resp: 5900  
Ion Ratio Lower Upper  
65 100  
92 10.1 50.8 76.2#  
138 3.8 82.6 124.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.087 ng  
RT: 9.868 min Scan# 1323  
Delta R.T. 0.212 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion: 165 Resp: 31509  
Ion Ratio Lower Upper  
165 100  
63 1.1 57.0 85.4#  
89 1.3 50.8 76.2#

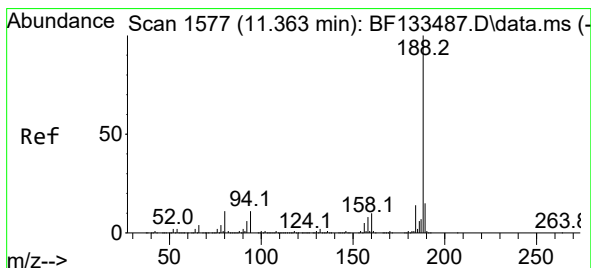
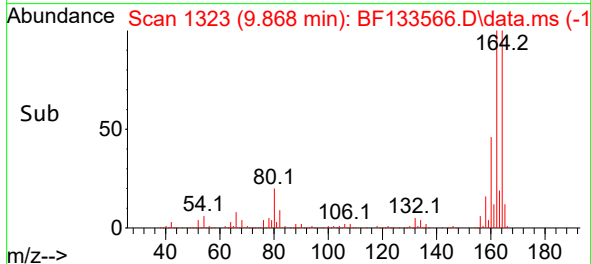
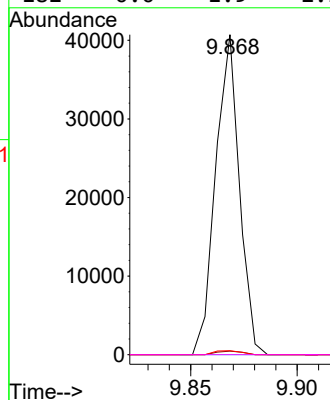
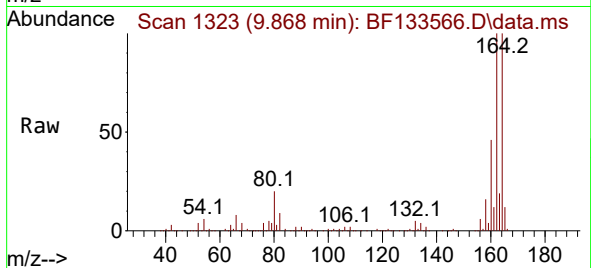




#57  
2,4-Dinitrotoluene  
Concen: 11.355 ng  
RT: 9.868 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

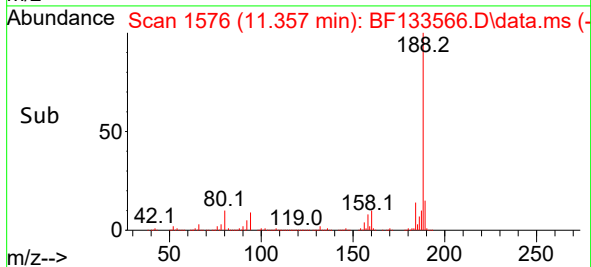
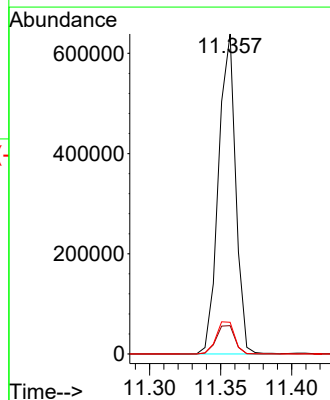
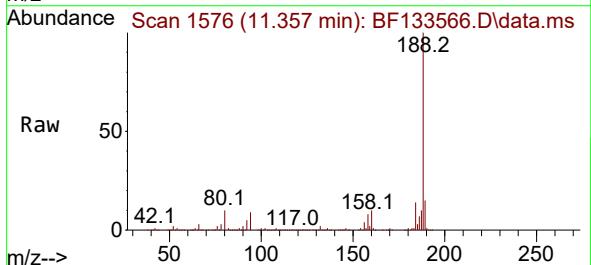
Instrument :  
BNA\_F  
ClientSampleId :  
FB01

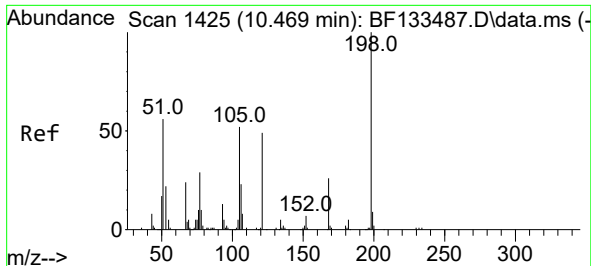
Tgt Ion:165 Resp: 31509  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.1 72.1#  
89 1.3 68.4 102.6#  
182 0.0 1.9 2.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BF133566.D  
Acq: 05 Jun 2023 15:26

Tgt Ion:188 Resp: 536124  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.6 12.8  
80 9.9 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 9.092 ng

RT: 10.663 min Scan# 14

Delta R.T. 0.200 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

Instrument :

BNA\_F

ClientSampleId :

FB01

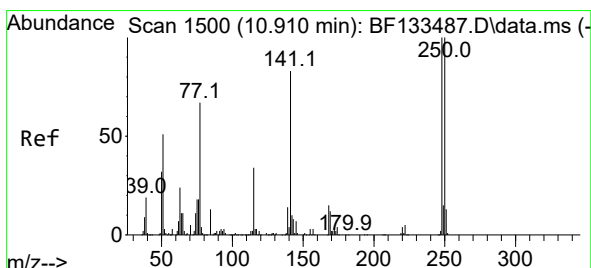
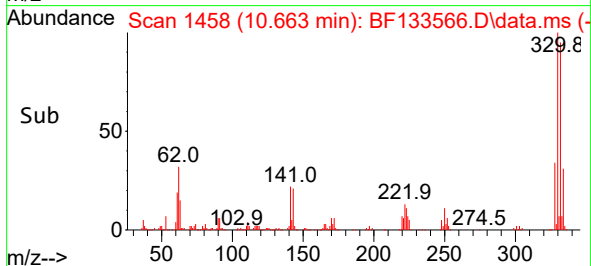
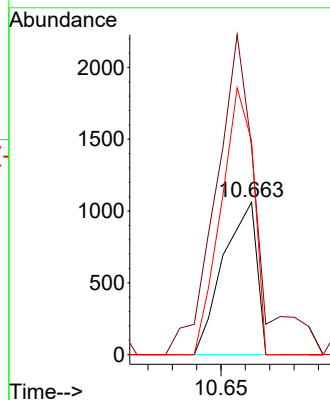
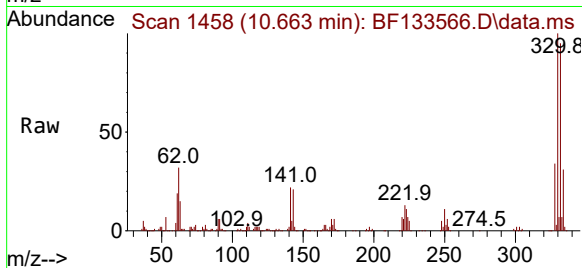
Tgt Ion:198 Resp: 1018

Ion Ratio Lower Upper

198 100

51 136.2 53.6 93.6#

105 140.1 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 4.840 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

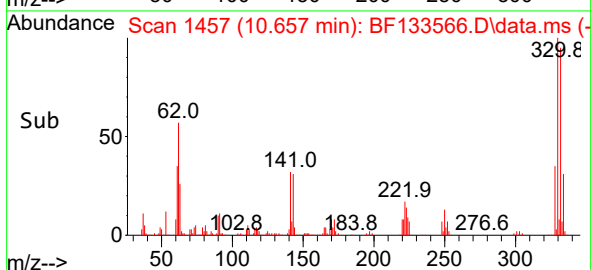
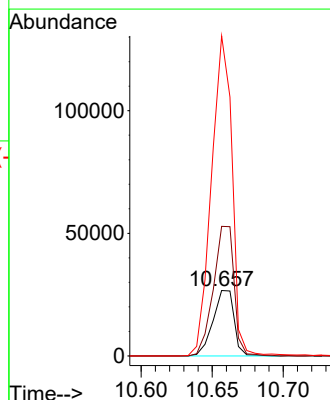
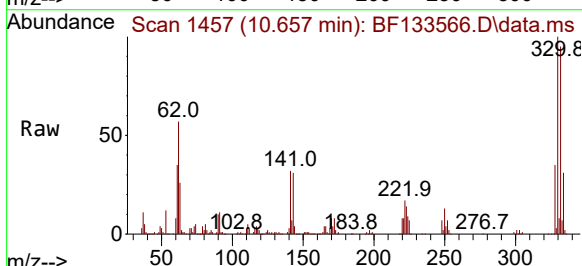
Tgt Ion:248 Resp: 27558

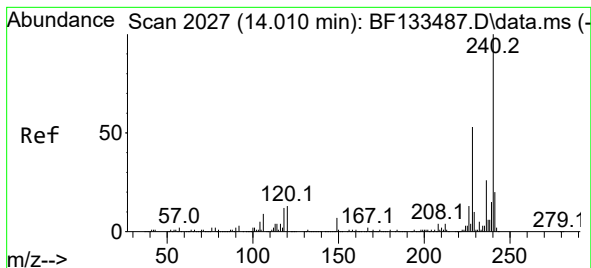
Ion Ratio Lower Upper

248 100

250 198.1 79.7 119.5#

141 488.9 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

Instrument :

BNA\_F

ClientSampleId :

FB01

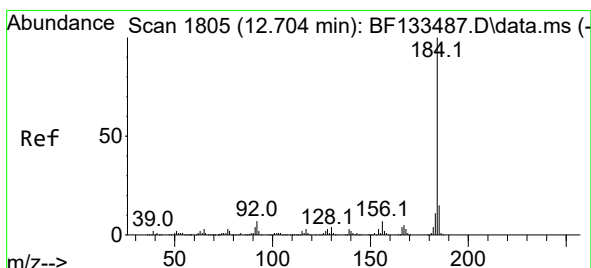
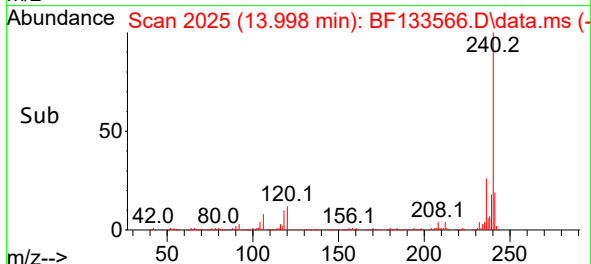
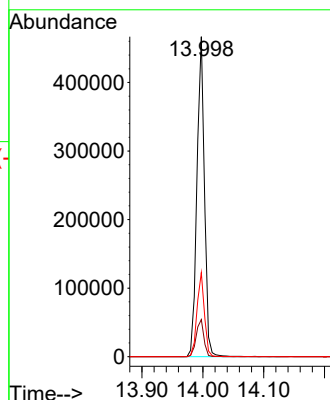
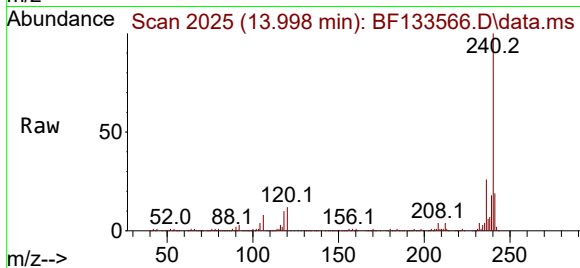
Tgt Ion:240 Resp: 400731

Ion Ratio Lower Upper

240 100

120 11.6 10.3 15.5

236 26.3 20.5 30.7



#77

Benzidine

Concen: 2.588 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.259 min

Lab File: BF133566.D

Acq: 05 Jun 2023 15:26

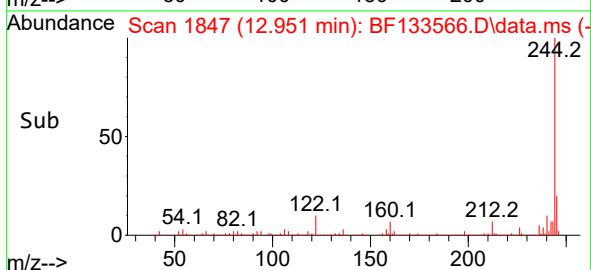
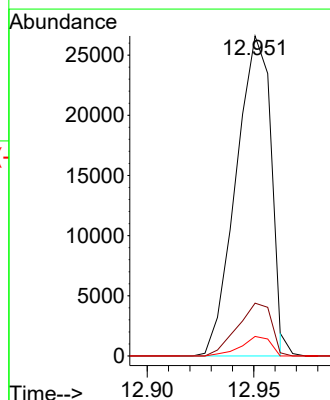
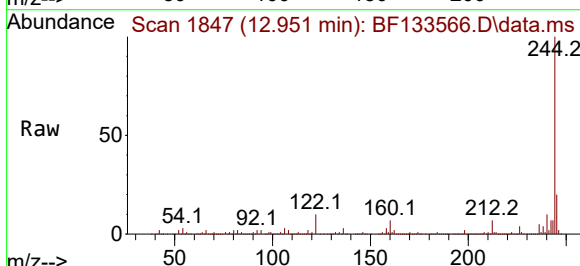
Tgt Ion:184 Resp: 30328

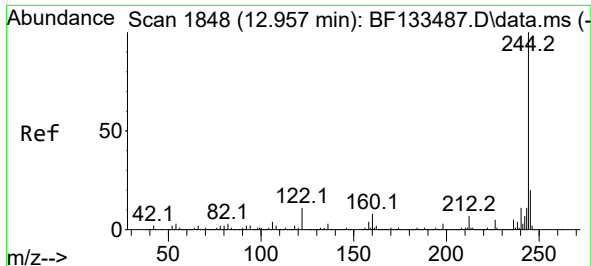
Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

183 6.1 8.7 13.1#

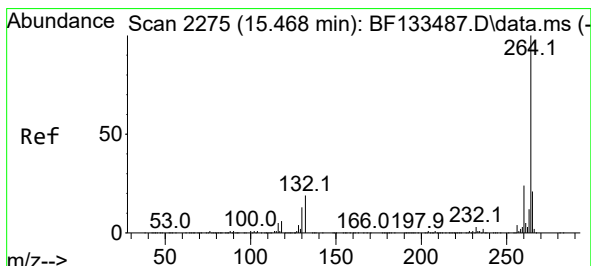
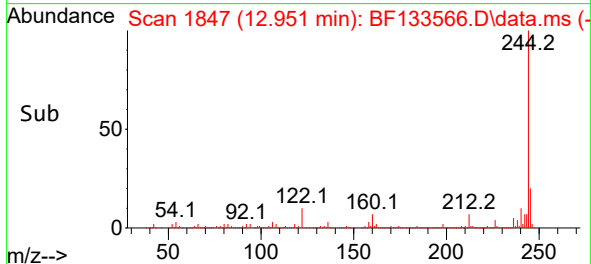
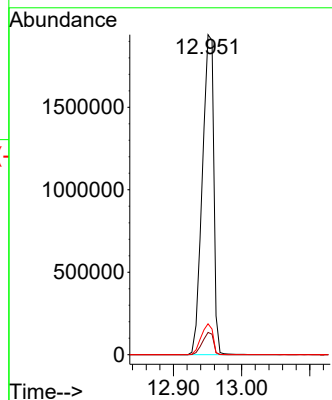
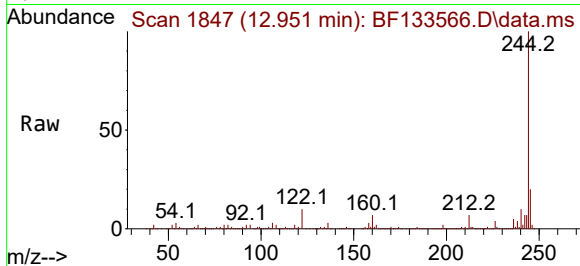




#79  
 Terphenyl-d14  
 Concen: 100.094 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF133566.D  
 Acq: 05 Jun 2023 15:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB01

Tgt Ion:244 Resp: 2255961  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.6  
 122 9.7 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.456 min Scan# 2273  
 Delta R.T. -0.000 min  
 Lab File: BF133566.D  
 Acq: 05 Jun 2023 15:26

Tgt Ion:264 Resp: 331616  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.0 28.4  
 265 21.4 16.8 25.2

