

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053123\  
 Data File : BF133536.D  
 Acq On : 31 May 2023 12:58  
 Operator : CG\JU  
 Sample : PB152920BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153095BL

Quant Time: May 31 13:41:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 30 12:58:40 2023  
 Response via : Initial Calibration

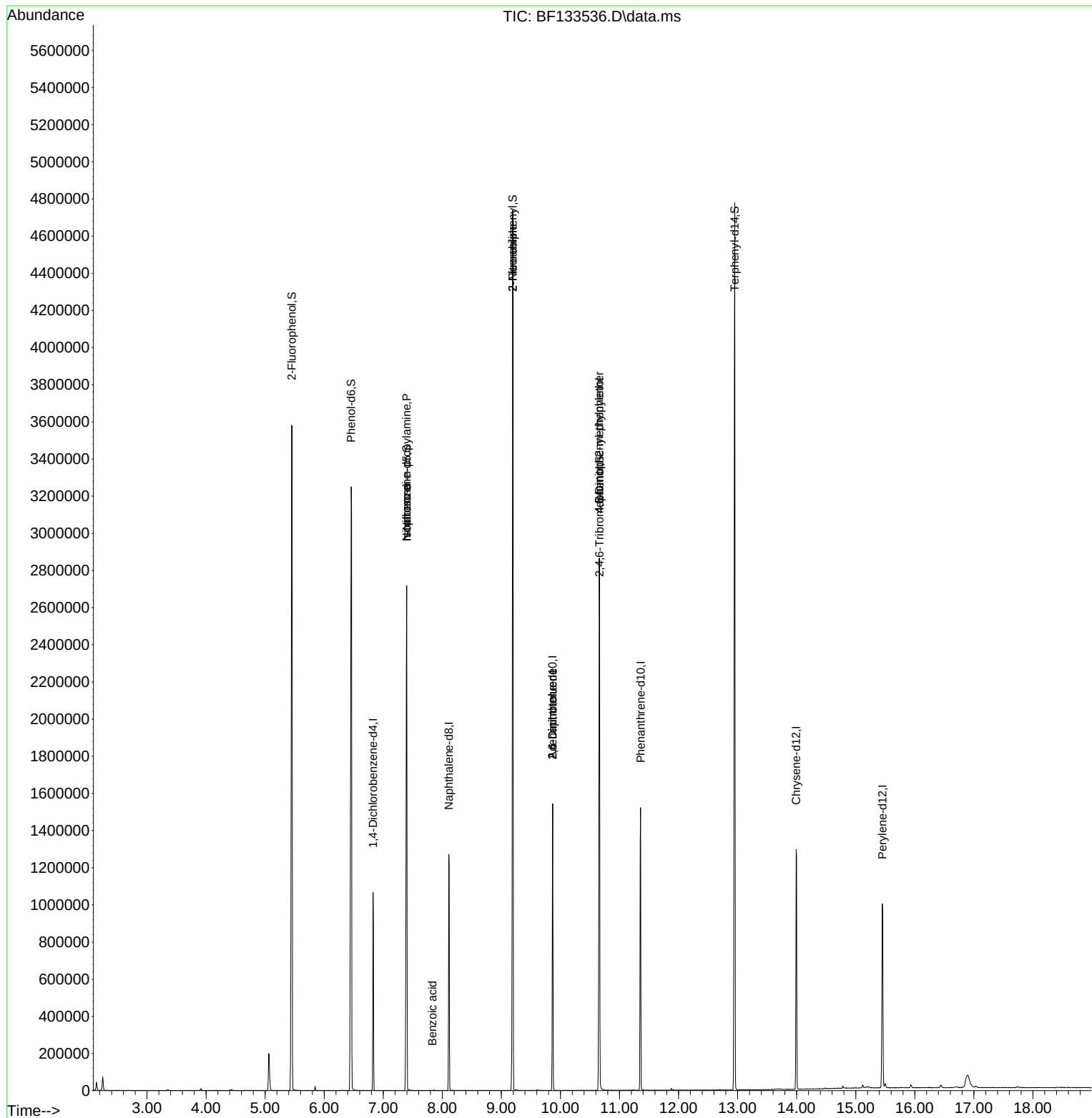
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 147286   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 563388   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.869  | 164  | 276086   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 559417   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 450392   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.451 | 264  | 457454   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1114452  | 126.246   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 1362675  | 125.397   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 874539   | 103.644   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 382893   | 139.129   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1496191  | 83.643    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1847646  | 72.938    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.457  | 77   | 2129     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 120700   | 17.167    | ng    | # 77     |
| 25) Isophorone                | 7.398  | 82   | 873374   | 44.412    | ng    | # 65     |
| 32) Benzoic acid              | 7.834  | 122  | 73       | 7.360     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.192  | 65   | 2854     | 4.492     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 34844    | 12.402    | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 34844    | 11.603    | ng    | # 16     |
| 65) 4,6-Dinitro-2-methylph... | 10.657 | 198  | 734      | 8.974     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 23193    | 3.904     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

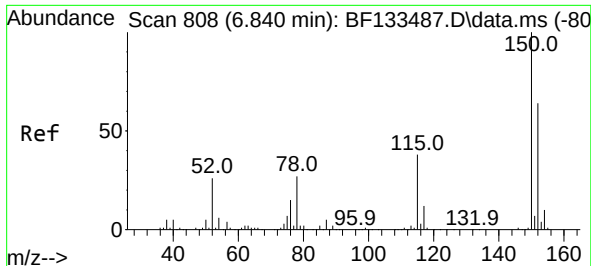
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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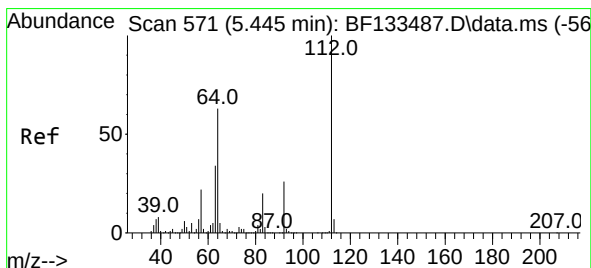
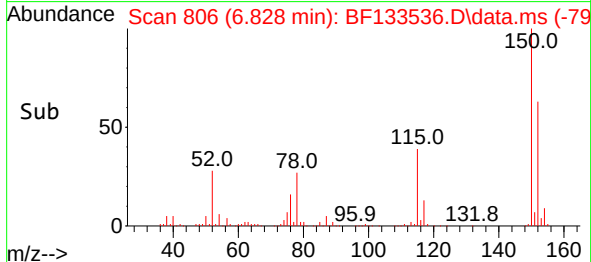
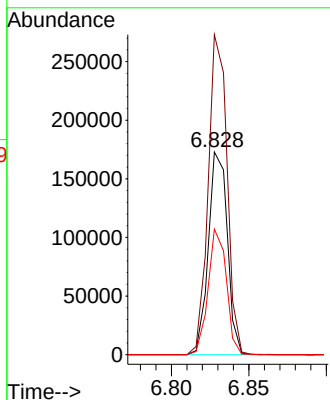
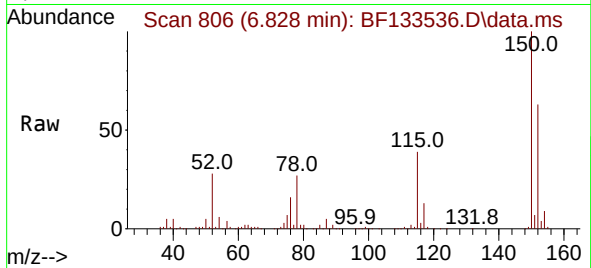




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

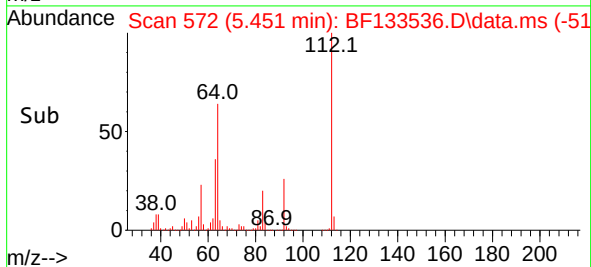
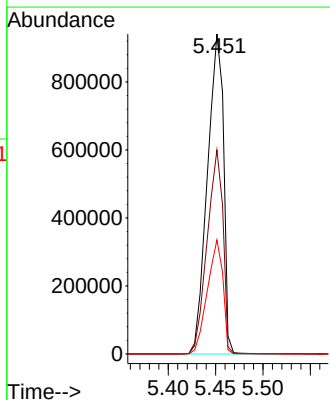
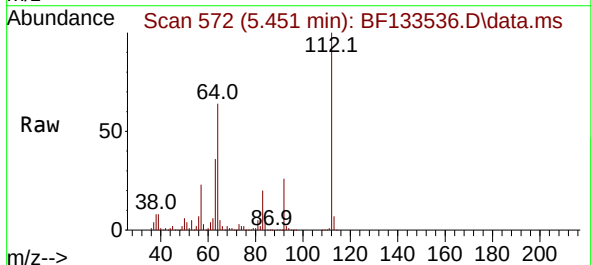
Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL

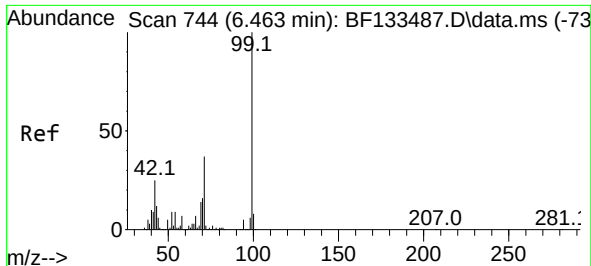
Tgt Ion:152 Resp: 147286  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.9 187.3  
115 61.9 48.1 72.1



#5  
2-Fluorophenol  
Concen: 126.246 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

Tgt Ion:112 Resp: 1114452  
Ion Ratio Lower Upper  
112 100  
64 63.8 50.1 75.1  
63 35.6 27.5 41.3



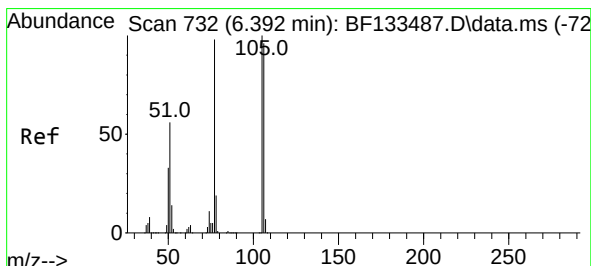
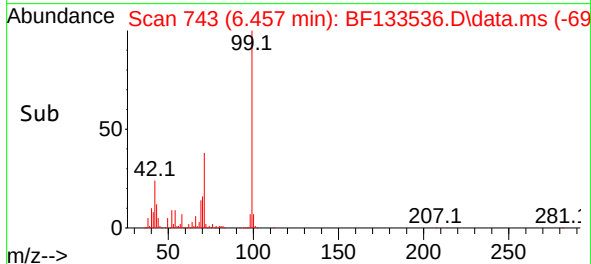
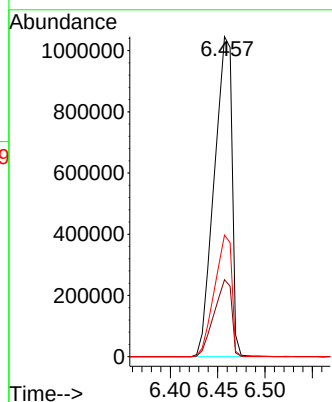
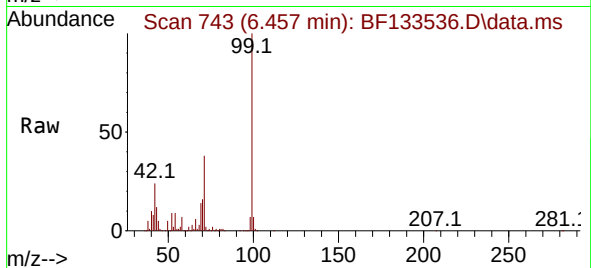


#7  
Phenol-d6  
Concen: 125.397 ng  
RT: 6.457 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL

Tgt Ion: 99 Resp: 1362675

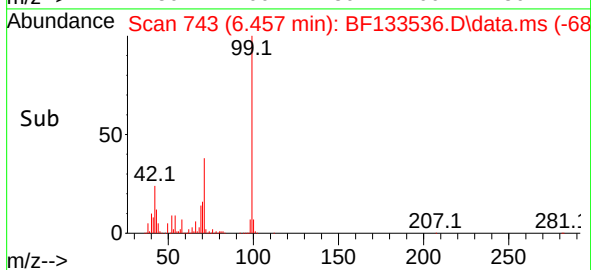
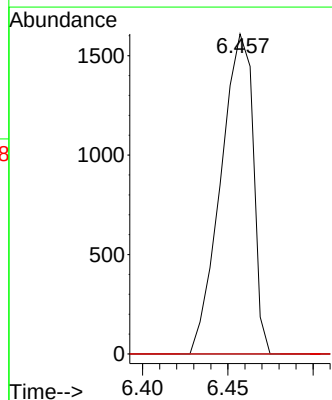
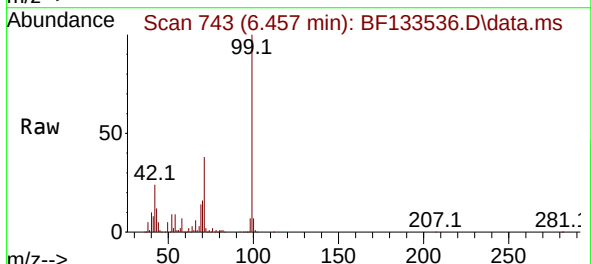
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.0  | 19.7  | 29.5  |
| 71  | 38.0  | 29.8  | 44.8  |

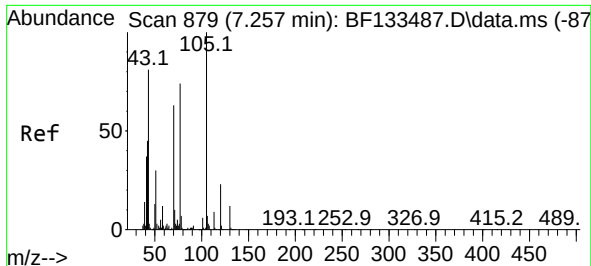


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.457 min Scan# 743  
Delta R.T. 0.070 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

Tgt Ion: 77 Resp: 2129

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 81.9  | 121.9# |
| 106 | 0.0   | 77.8  | 117.8# |

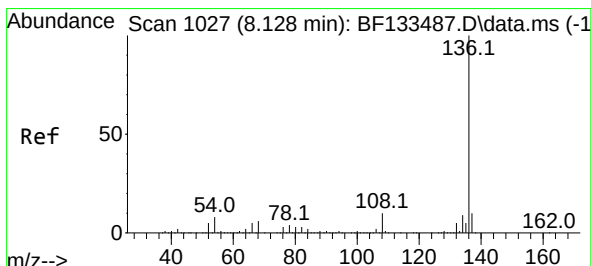
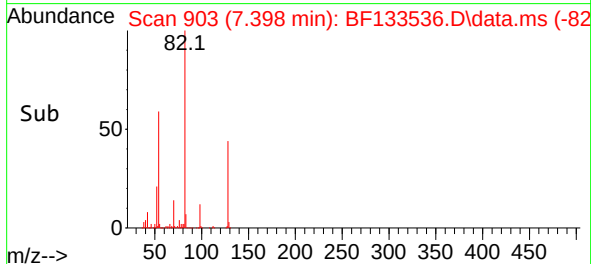
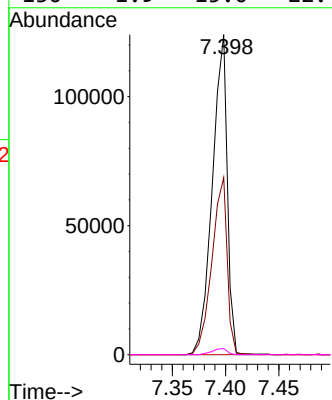
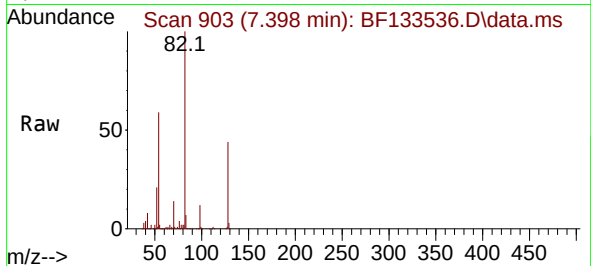




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.167 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.147 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

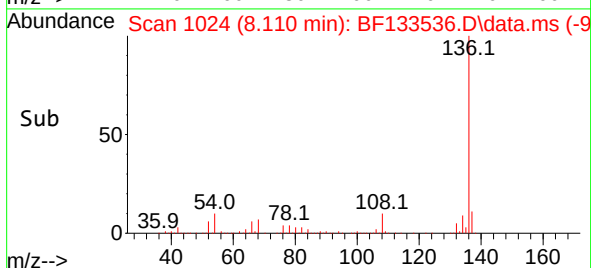
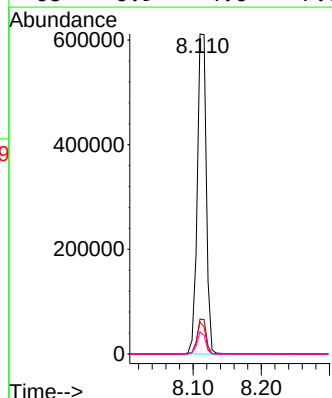
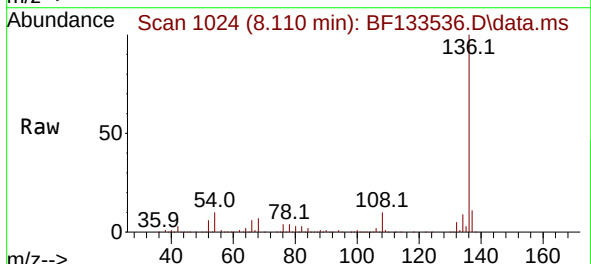
Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL

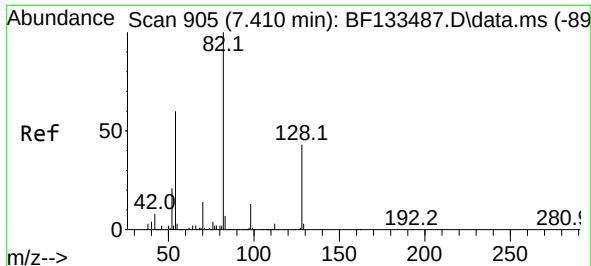
Tgt Ion: 70 Resp: 120700  
Ion Ratio Lower Upper  
70 100  
42 55.3 57.2 85.8#  
101 0.0 7.3 10.9#  
130 1.9 15.0 22.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

Tgt Ion: 136 Resp: 563388  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.2 12.4  
54 10.0 6.6 10.0#  
68 6.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 103.644 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

Instrument :

BNA\_F

ClientSampleId :

PB153095BL

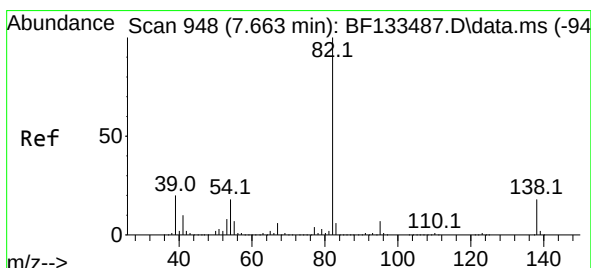
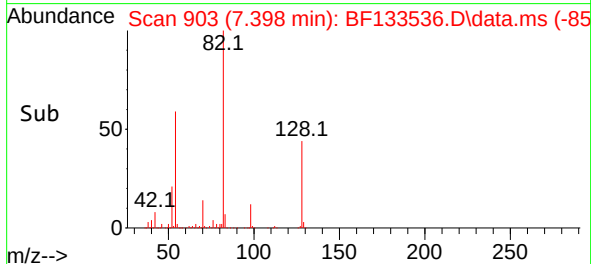
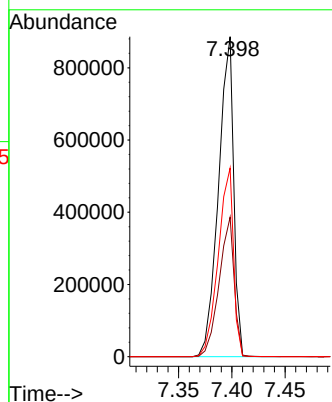
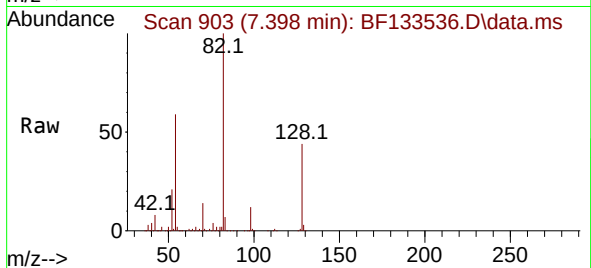
Tgt Ion: 82 Resp: 874539

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.4

54 59.0 48.2 72.4



#25

Isophorone

Concen: 44.412 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

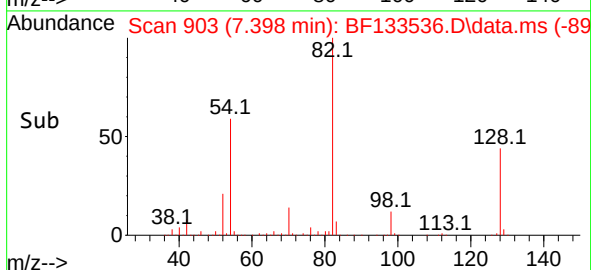
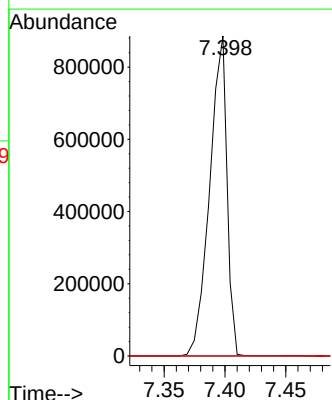
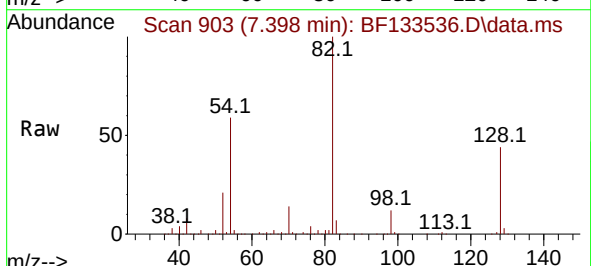
Tgt Ion: 82 Resp: 873374

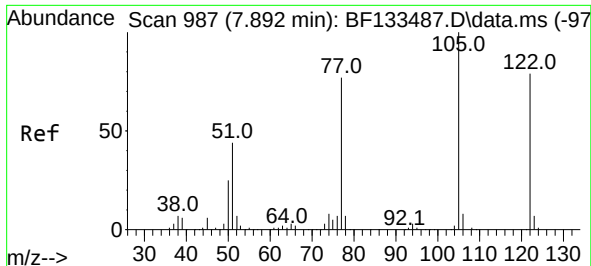
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#32

Benzoic acid

Concen: 7.360 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.047 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

Instrument :

BNA\_F

ClientSampleId :

PB153095BL

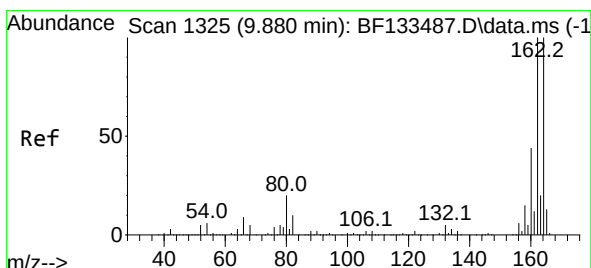
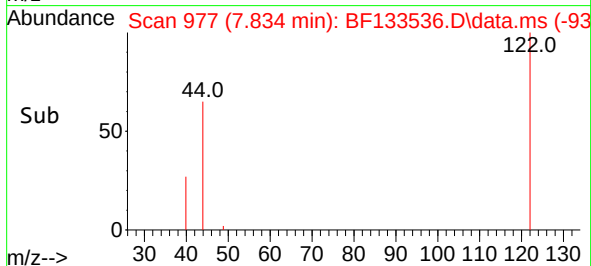
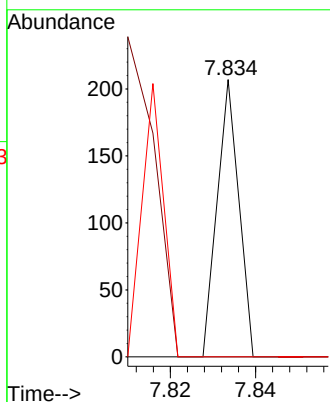
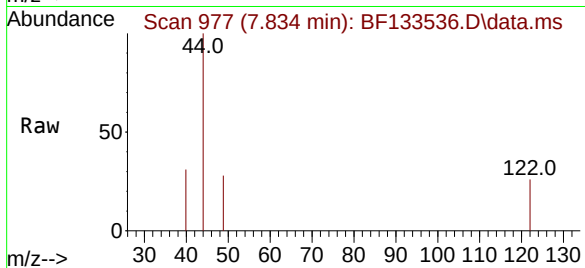
Tgt Ion:122 Resp: 73

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: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

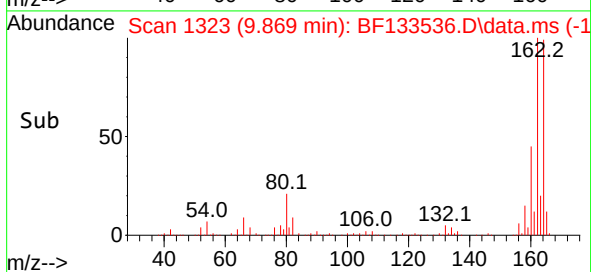
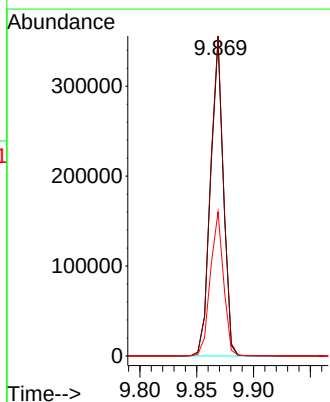
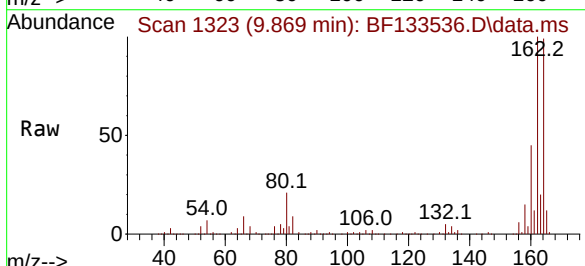
Tgt Ion:164 Resp: 276086

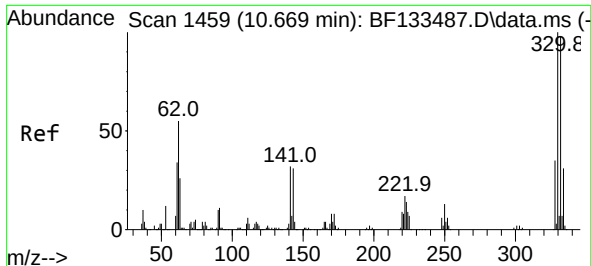
Ion Ratio Lower Upper

164 100

162 101.2 79.7 119.5

160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 139.129 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.000 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

Instrument :

BNA\_F

ClientSampleId :

PB153095BL

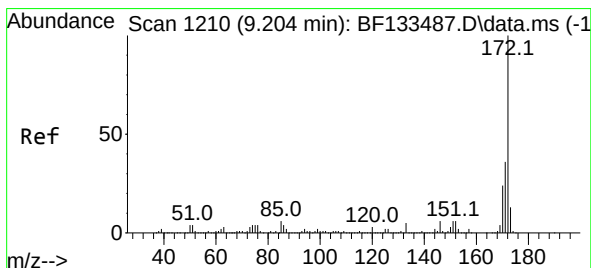
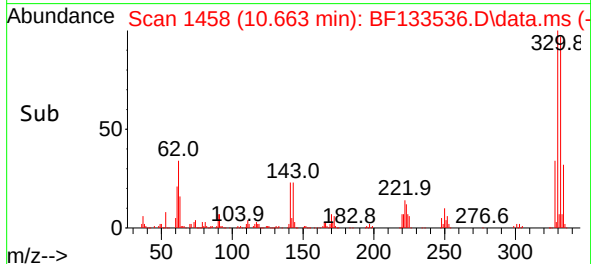
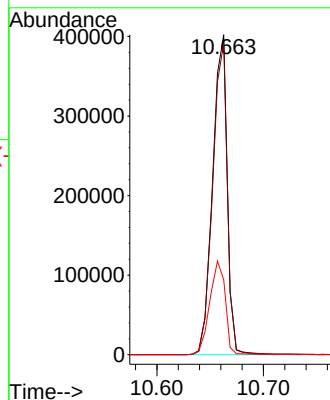
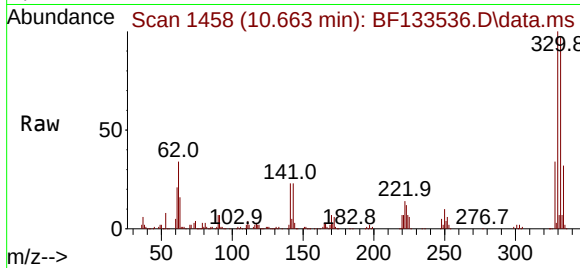
Tgt Ion:330 Resp: 382893

Ion Ratio Lower Upper

330 100

332 97.6 77.8 116.6

141 31.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 83.643 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

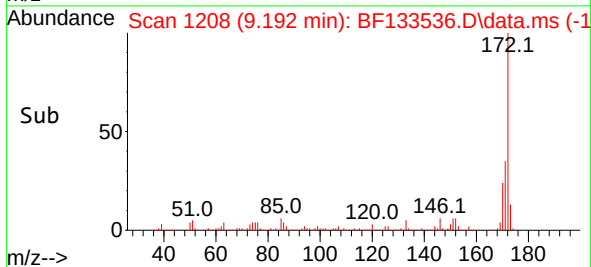
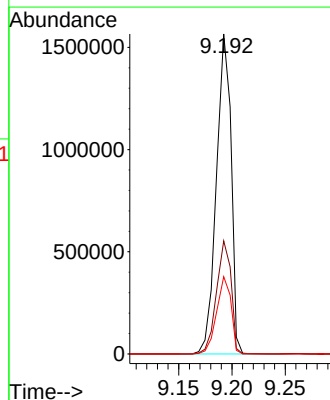
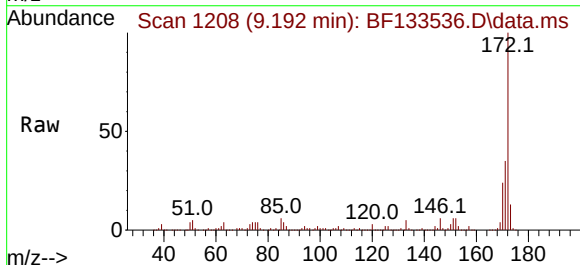
Tgt Ion:172 Resp: 1496191

Ion Ratio Lower Upper

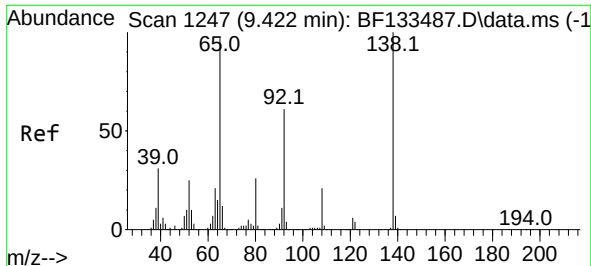
172 100

171 35.3 28.4 42.6

170 24.1 19.3 28.9



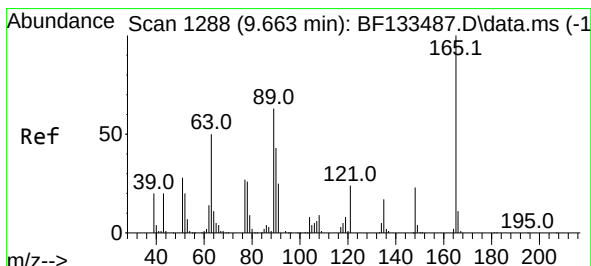
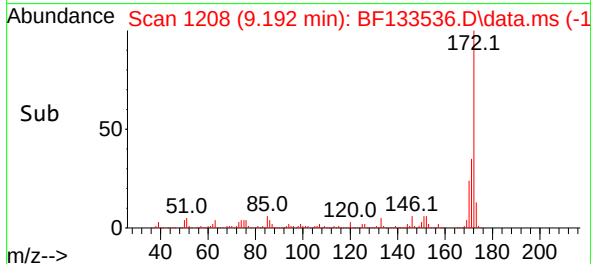
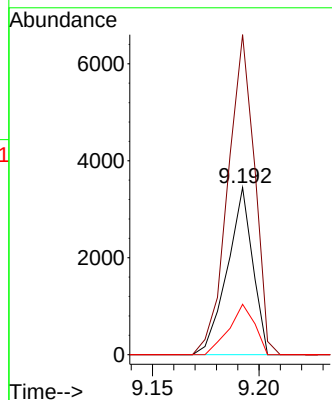
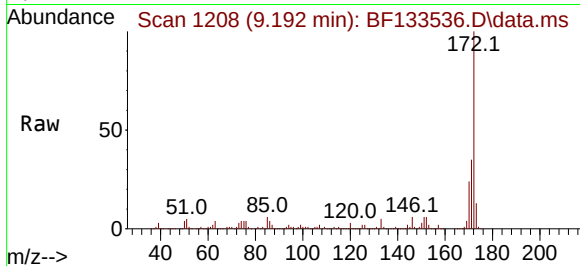




#48  
2-Nitroaniline  
Concen: 4.492 ng  
RT: 9.192 min Scan# 11  
Delta R.T. -0.224 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

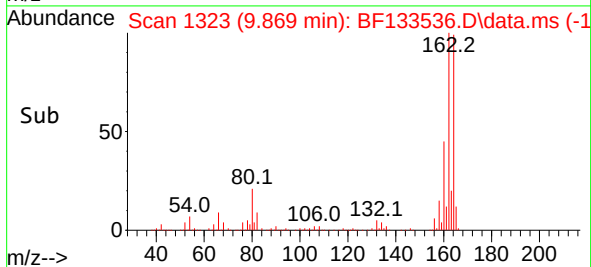
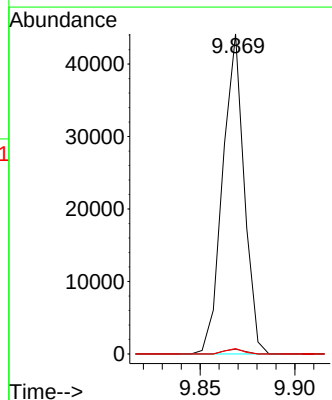
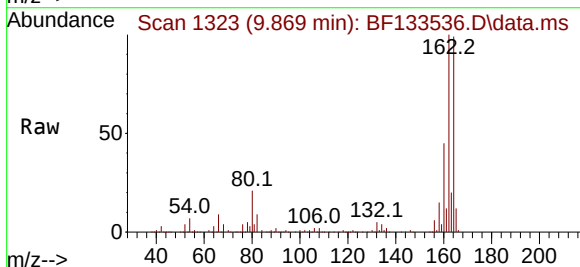
Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL

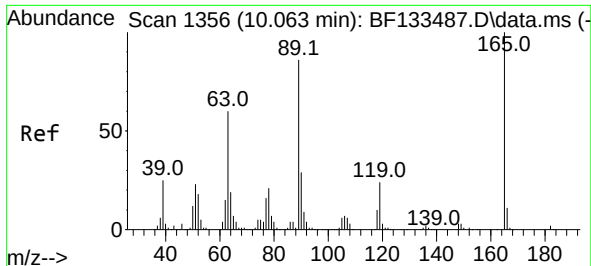
Tgt Ion: 65 Resp: 2854  
Ion Ratio Lower Upper  
65 100  
92 191.4 50.8 76.2#  
138 30.2 82.6 124.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.402 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. 0.212 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

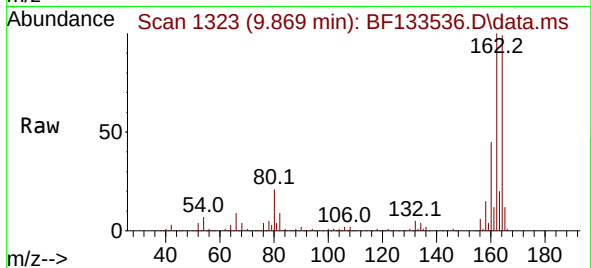
Tgt Ion:165 Resp: 34844  
Ion Ratio Lower Upper  
165 100  
63 1.5 57.0 85.4#  
89 1.7 50.8 76.2#



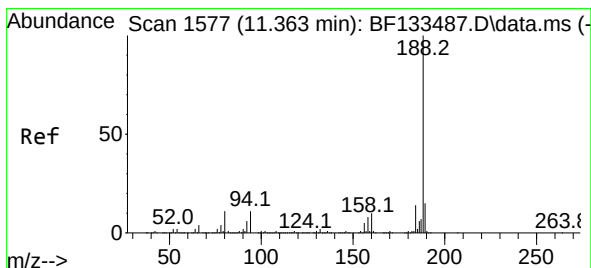
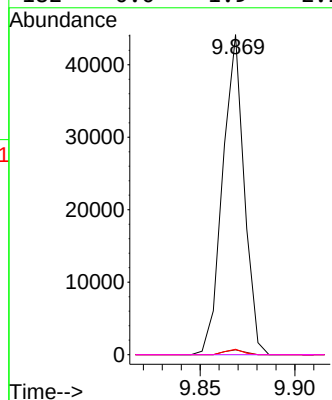
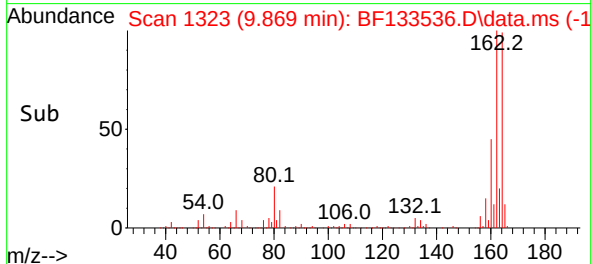


#57  
2,4-Dinitrotoluene  
Concen: 11.603 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

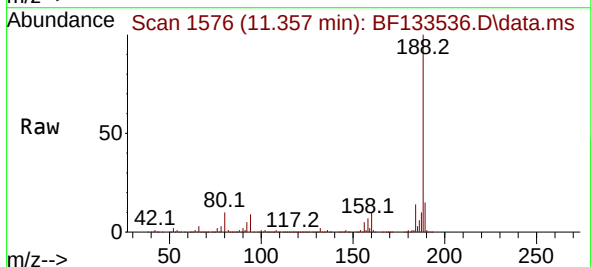
Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL



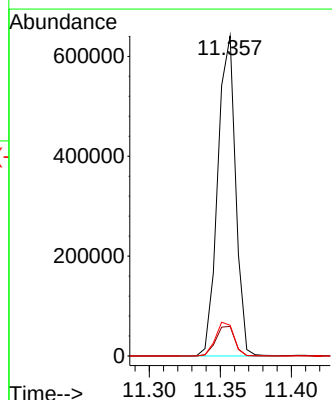
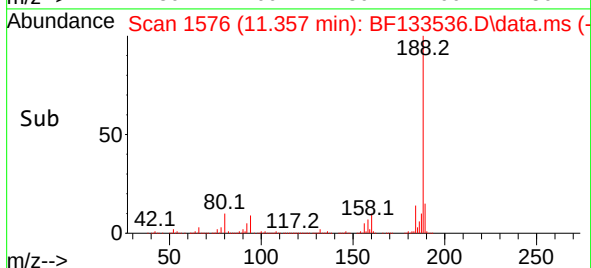
Tgt Ion:165 Resp: 34844  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.1 72.1#  
89 1.7 68.4 102.6#  
182 0.0 1.9 2.9#

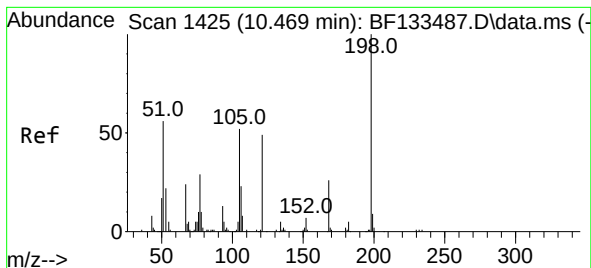


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58



Tgt Ion:188 Resp: 559417  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.6 12.8  
80 9.6 9.2 13.8

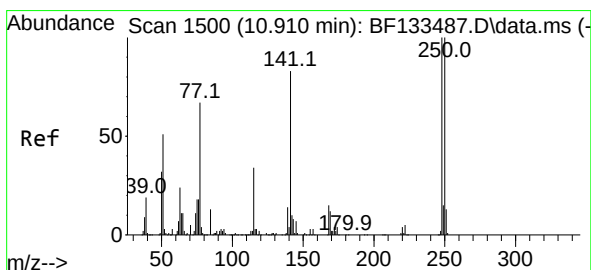
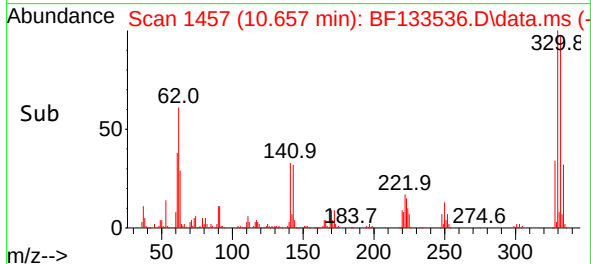
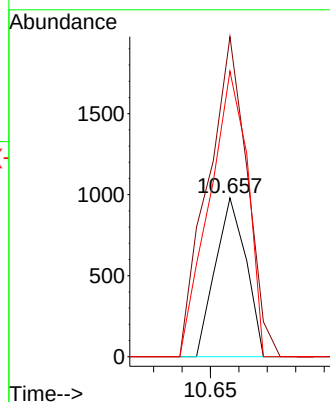
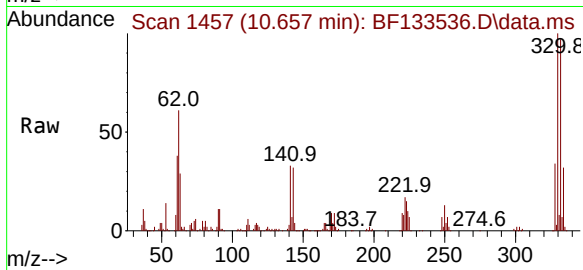




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.974 ng  
RT: 10.657 min Scan# 1425  
Delta R.T. 0.188 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

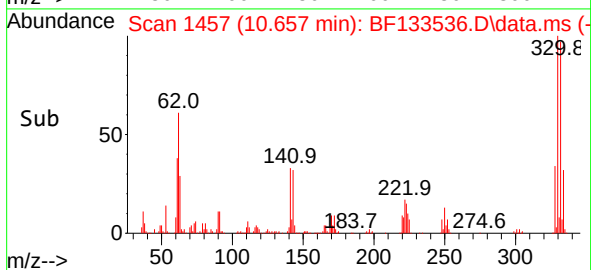
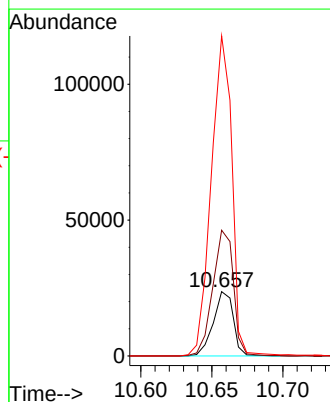
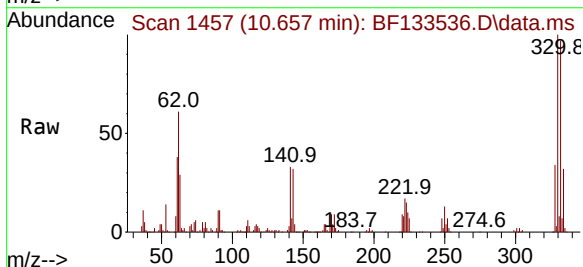
Instrument :  
BNA\_F  
ClientSampleId :  
PB153095BL

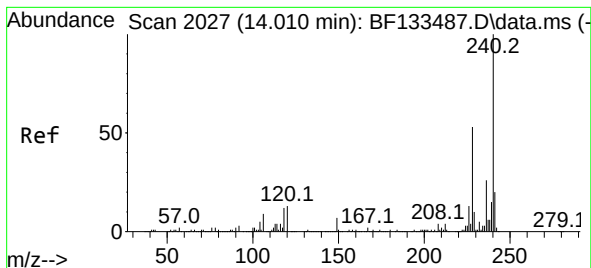
Tgt Ion:198 Resp: 734  
Ion Ratio Lower Upper  
198 100  
51 201.5 53.6 93.6#  
105 179.8 35.9 75.9#



#67  
4-Bromophenyl-phenylether  
Concen: 3.904 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.247 min  
Lab File: BF133536.D  
Acq: 31 May 2023 12:58

Tgt Ion:248 Resp: 23193  
Ion Ratio Lower Upper  
248 100  
250 195.7 79.7 119.5#  
141 497.8 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

Instrument :

BNA\_F

ClientSampleId :

PB153095BL

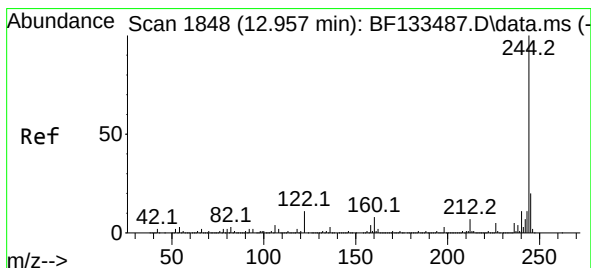
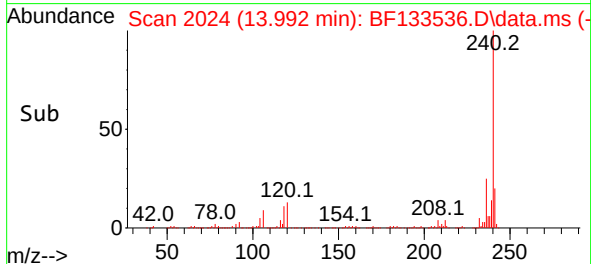
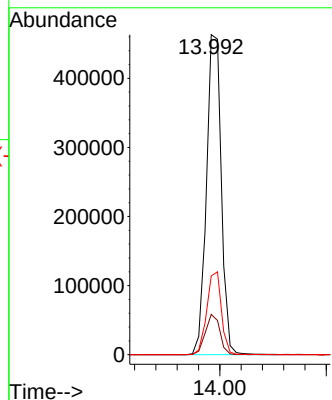
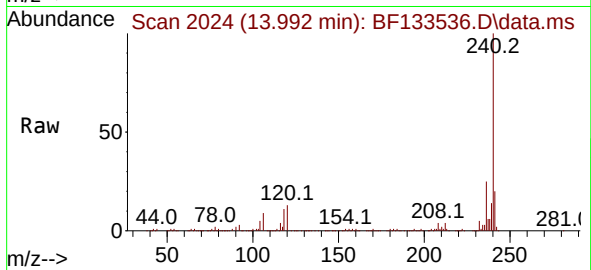
Tgt Ion:240 Resp: 450392

Ion Ratio Lower Upper

240 100

120 12.6 10.3 15.5

236 24.6 20.5 30.7



#79

Terphenyl-d14

Concen: 72.938 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF133536.D

Acq: 31 May 2023 12:58

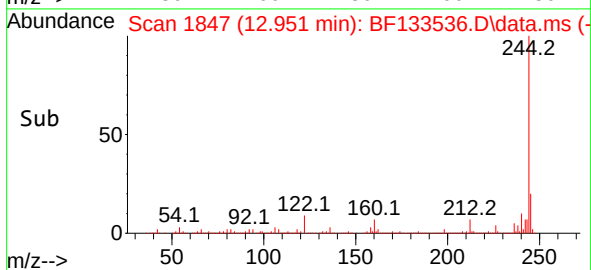
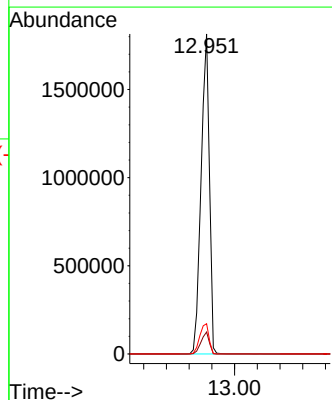
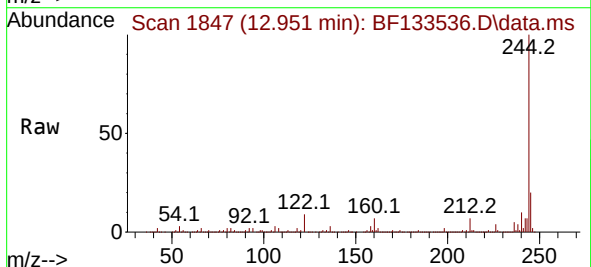
Tgt Ion:244 Resp: 1847646

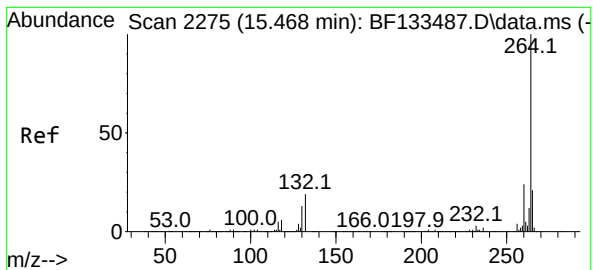
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 9.4 8.5 12.7





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF133536.D  
 Acq: 31 May 2023 12:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153095BL

Tgt Ion:264 Resp: 457454  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.4  
 265 21.3 16.8 25.2

