

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
 Data File : BF132255.D  
 Acq On : 01 Feb 2023 12:23  
 Operator : CG\JU  
 Sample : 01333-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-I

Quant Time: Feb 02 00:53:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 05:24:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.066  | 152  | 160180   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.354  | 136  | 609485   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.119 | 164  | 305597   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 571986   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.277 | 240  | 414481   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 15.865 | 264  | 349567   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.695  | 112  | 1115857  | 111.976   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.684  | 99   | 1261922  | 102.715   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.631  | 82   | 915699   | 83.605    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.913 | 330  | 433692   | 138.002   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.431  | 172  | 1567066  | 79.187    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.213 | 244  | 1943921  | 90.724    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.619  | 77   | 405      | Below Cal | #     | 60       |
| 19) n-Nitroso-di-n-propyla... | 7.631  | 70   | 113536   | 16.269    | ng    | # 77     |
| 25) Isophorone                | 7.631  | 82   | 915690   | 44.049    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.119 | 165  | 40344    | 8.450     | ng    | # 25     |
| 56) 4-Nitrophenol             | 10.189 | 139  | 10255    | 2.354     | ng    | # 89     |
| 67) 4-Bromophenyl-phenylether | 10.913 | 248  | 25538    | 4.360     | ng    | # 1      |
| 77) Benzidine                 | 13.213 | 184  | 30854    | 2.129     | ng    | # 93     |
| 78) Pyrene                    | 13.071 | 202  | 116229   | 3.486     | ng    | 97       |
| -----                         |        |      |          |           |       |          |

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

**Instrument :**

BNA F

**ClientSampleId :**

TP-1

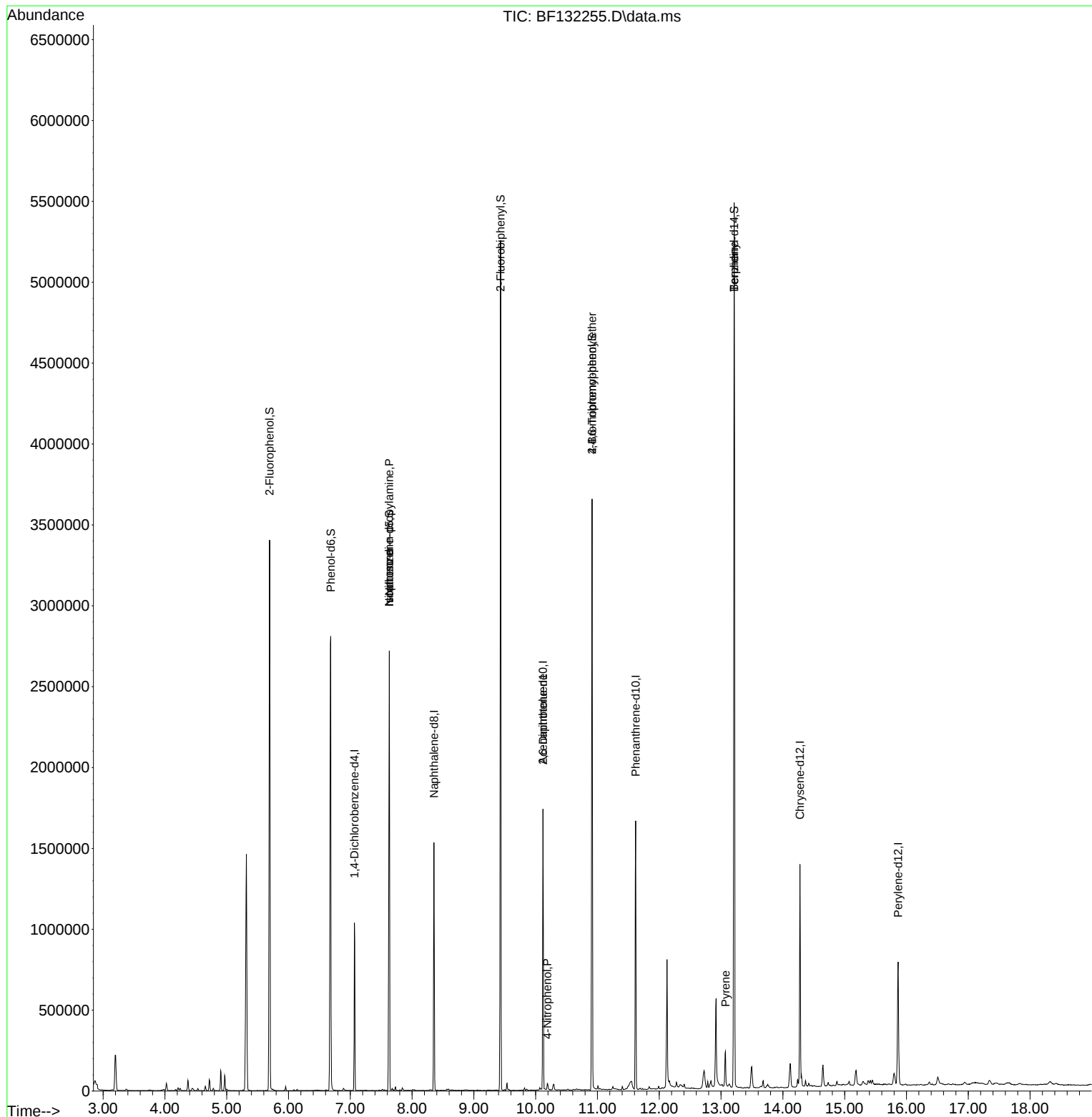
Quant Time: Feb 02 00:53:00 2023

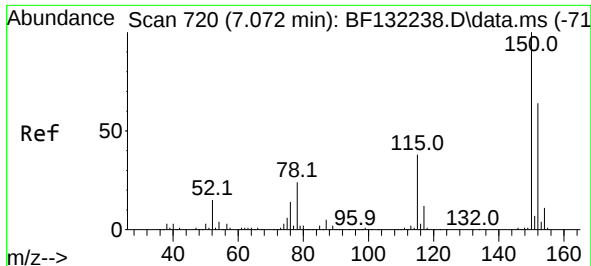
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF013123.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Feb 01 05:24:37 2023

Response via : Initial Calibration

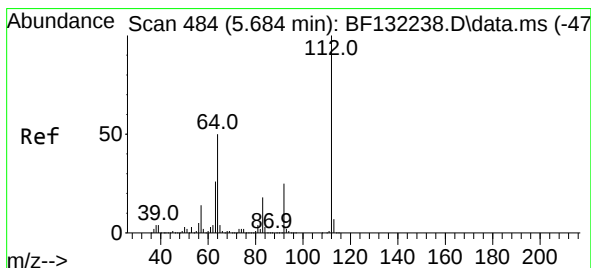
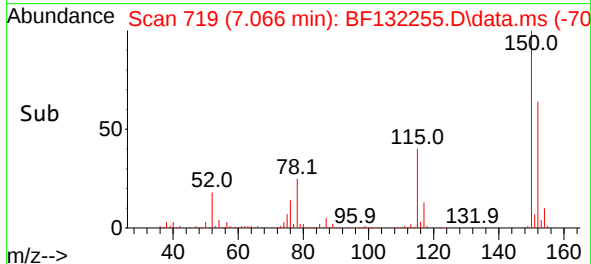
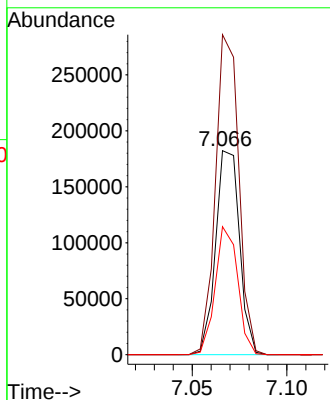
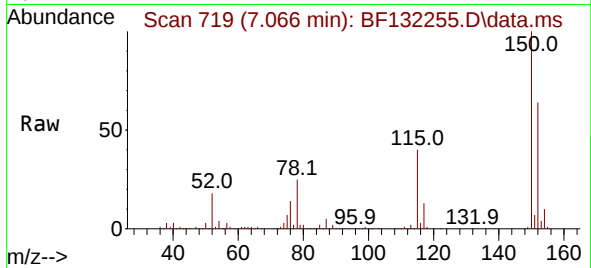




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.066 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

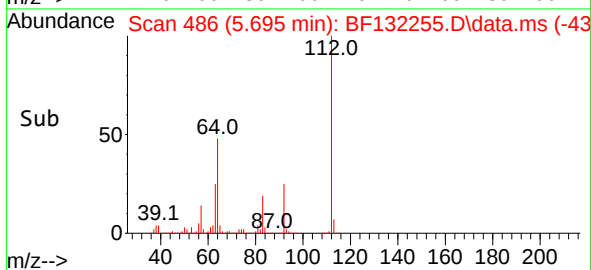
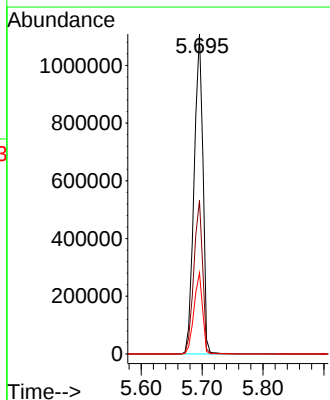
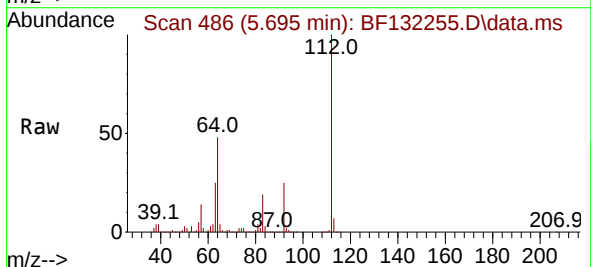
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I

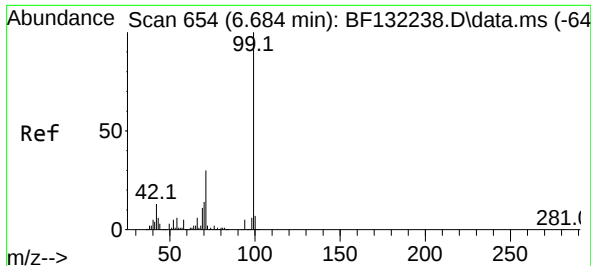
Tgt Ion:152 Resp: 160180  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.2 186.2  
115 62.7 47.3 70.9



#5  
2-Fluorophenol  
Concen: 111.976 ng  
RT: 5.695 min Scan# 486  
Delta R.T. 0.012 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion:112 Resp: 1115857  
Ion Ratio Lower Upper  
112 100  
64 48.0 40.0 60.0  
63 25.3 20.5 30.7



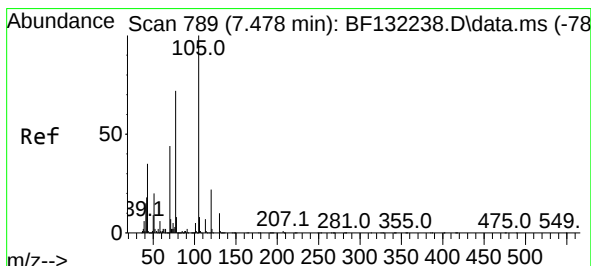
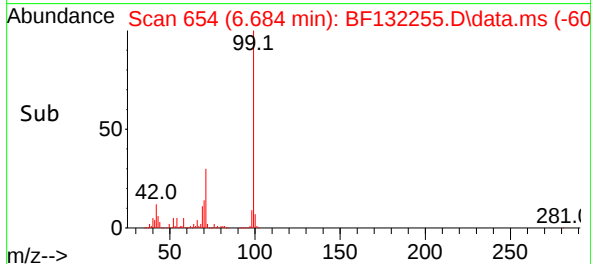
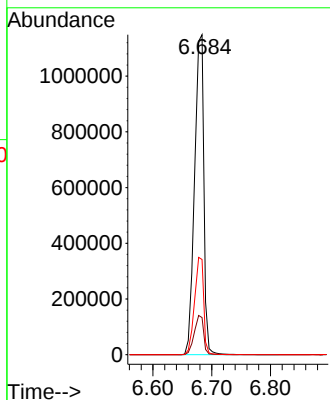
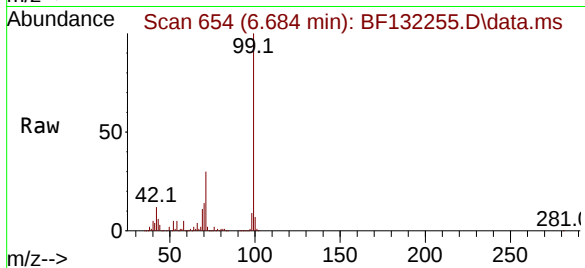


#7  
Phenol-d6  
Concen: 102.715 ng  
RT: 6.684 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
TP-I

Tgt Ion: 99 Resp: 1261922

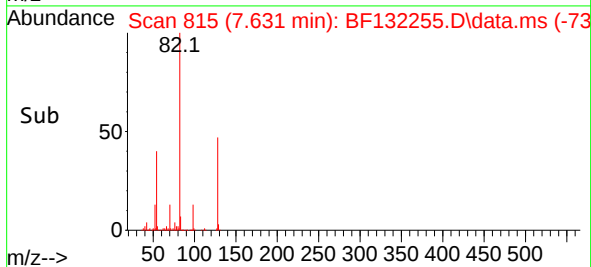
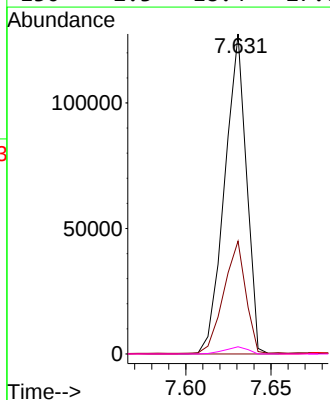
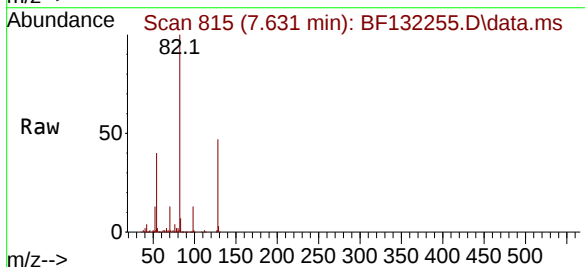
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.6  | 10.1  | 15.1  |
| 71  | 29.8  | 24.2  | 36.4  |

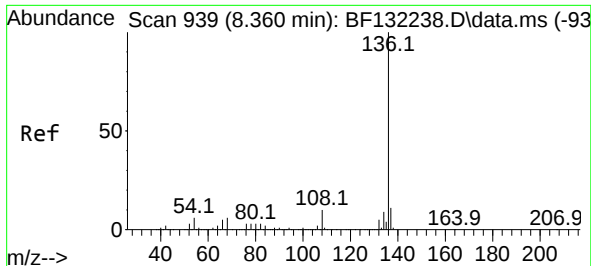


#19  
n-Nitroso-di-n-propylamine  
Concen: 16.269 ng  
RT: 7.631 min Scan# 815  
Delta R.T. 0.153 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion: 70 Resp: 113536

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 35.2  | 33.4  | 50.0  |
| 101 | 0.0   | 8.2   | 12.4# |
| 130 | 2.3   | 18.4  | 27.6# |



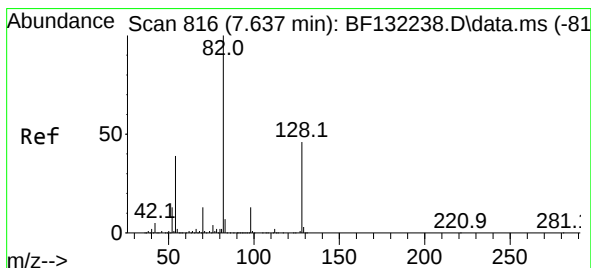
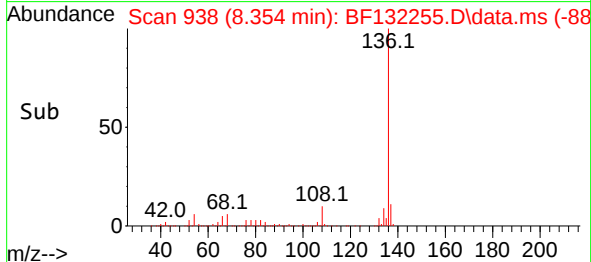
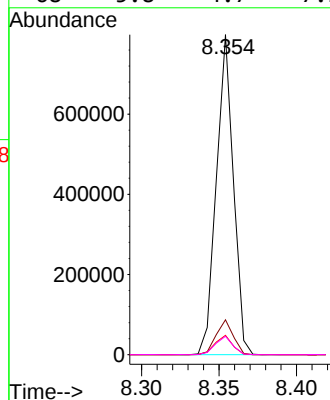
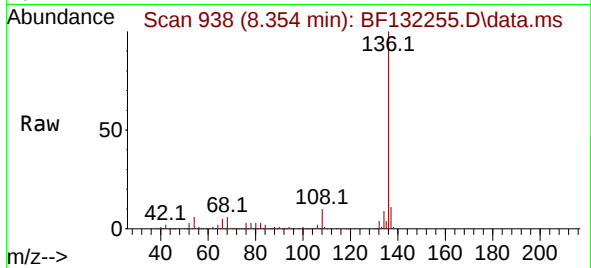


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.354 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 609485

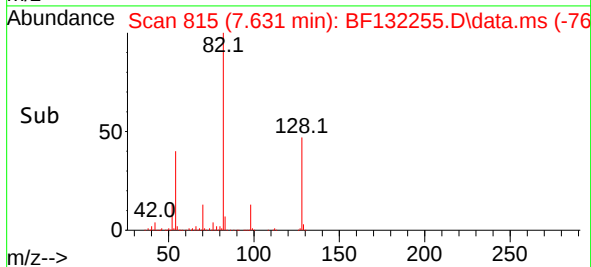
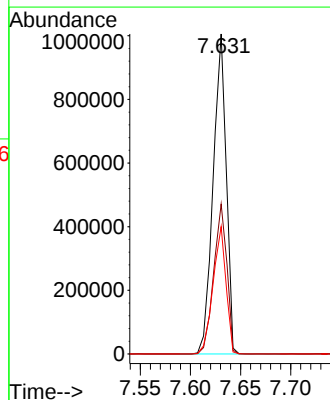
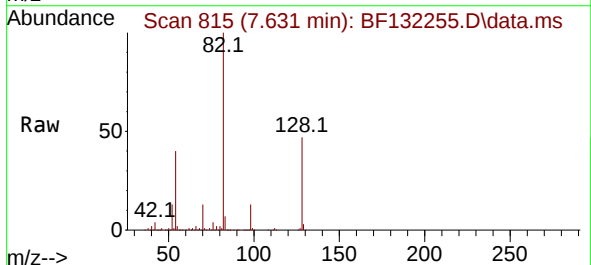
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 6.0   | 4.9   | 7.3   |
| 68  | 5.8   | 4.7   | 7.1   |

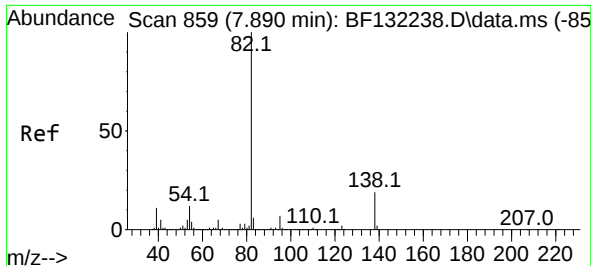


#23  
Nitrobenzene-d5  
Concen: 83.605 ng  
RT: 7.631 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion: 82 Resp: 915699

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.9  | 37.0  | 55.4  |
| 54  | 39.8  | 31.5  | 47.3  |

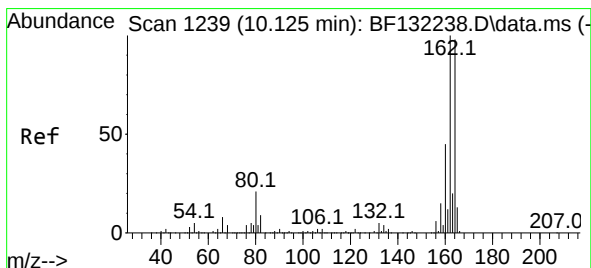
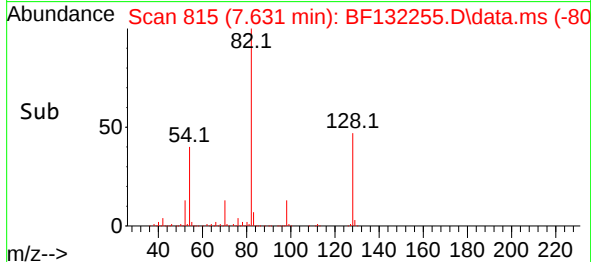
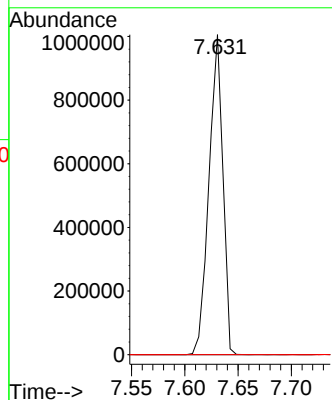
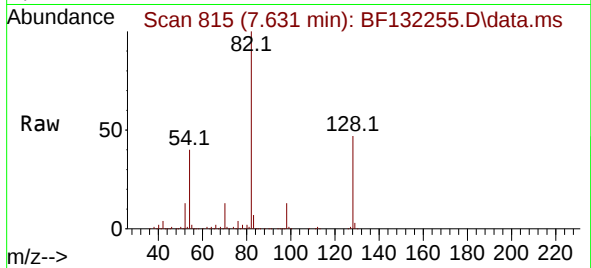




#25  
Isophorone  
Concen: 44.049 ng  
RT: 7.631 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

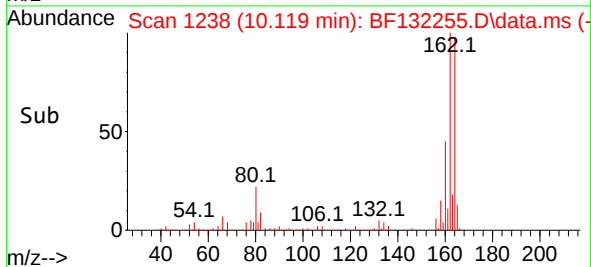
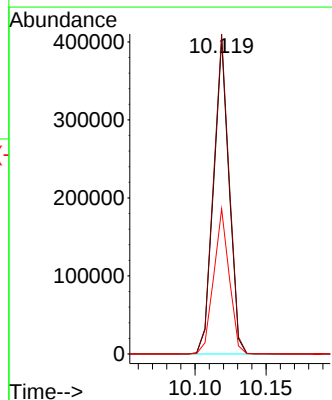
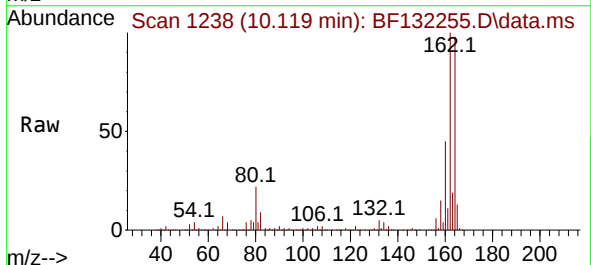
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I

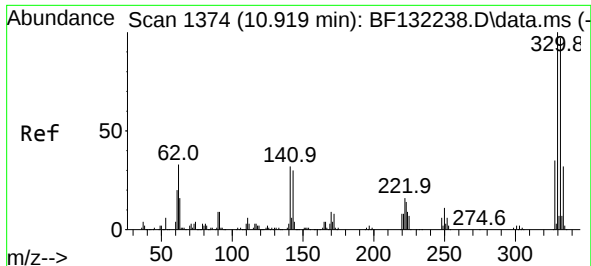
Tgt Ion: 82 Resp: 915690  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.0 22.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.119 min Scan# 1238  
Delta R.T. -0.006 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion:164 Resp: 305597  
Ion Ratio Lower Upper  
164 100  
162 101.6 82.0 123.0  
160 46.1 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 138.002 ng

RT: 10.913 min Scan# 111

Delta R.T. -0.006 min

Lab File: BF132255.D

Acq: 01 Feb 2023 12:23

Instrument :

BNA\_F

ClientSampleId :

TP-I

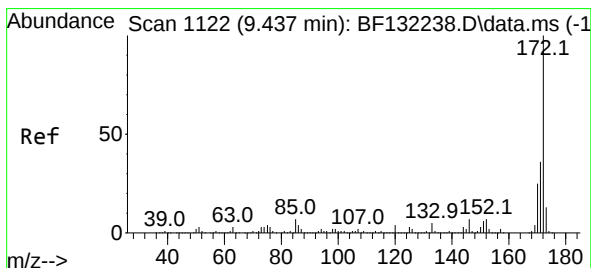
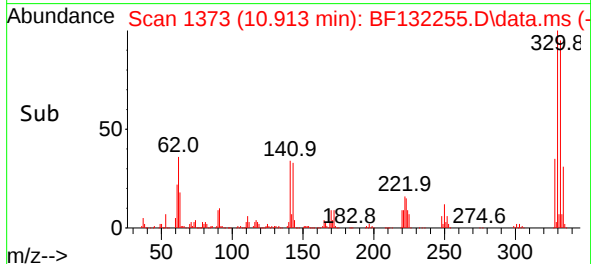
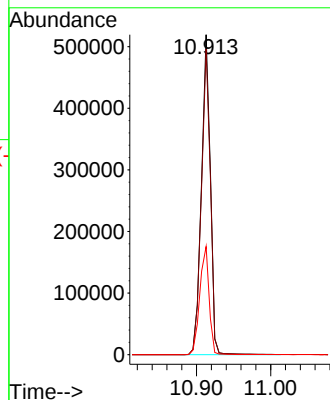
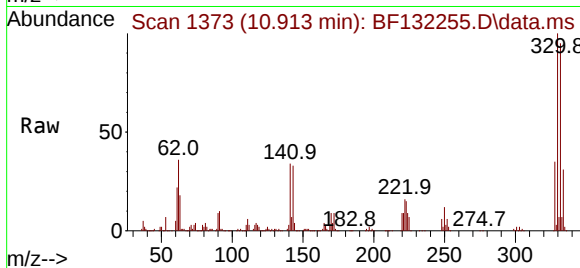
Tgt Ion:330 Resp: 433692

Ion Ratio Lower Upper

330 100

332 96.7 77.9 116.9

141 35.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 79.187 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132255.D

Acq: 01 Feb 2023 12:23

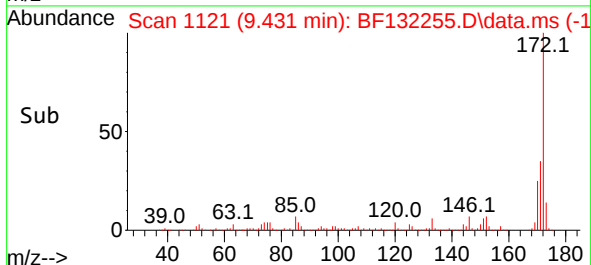
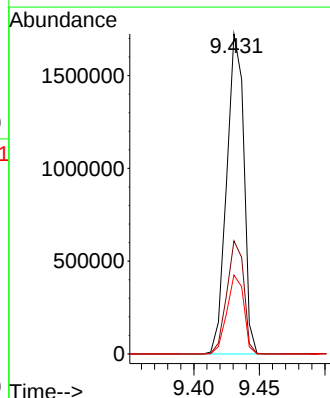
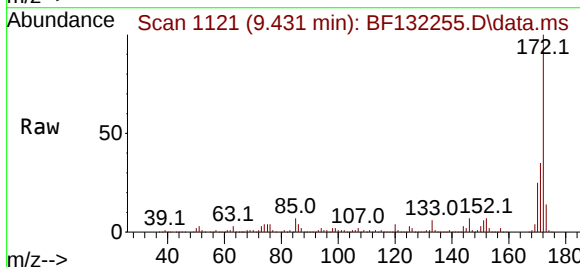
Tgt Ion:172 Resp: 1567066

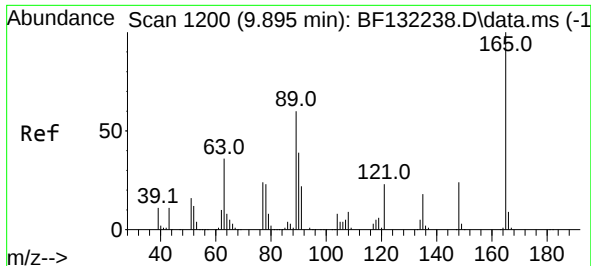
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 24.7 19.7 29.5

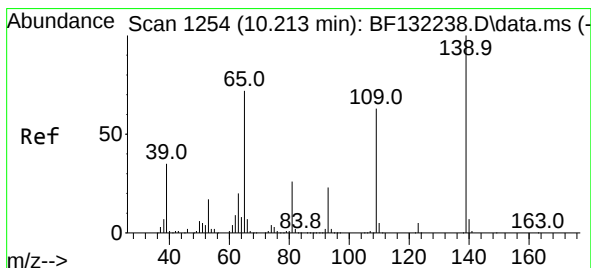
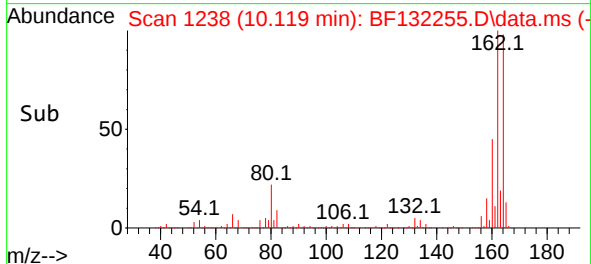
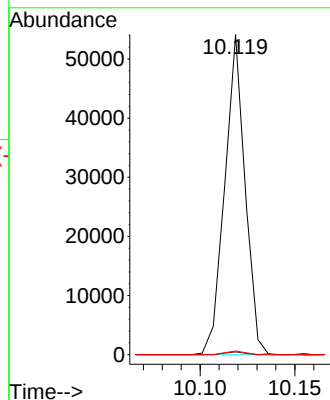
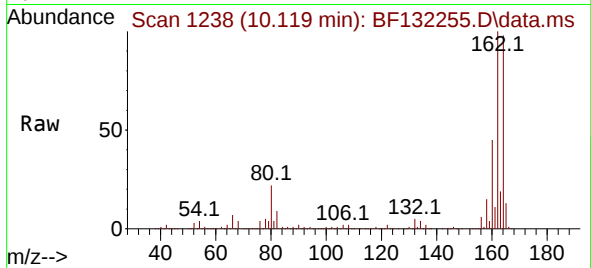




#51  
2,6-Dinitrotoluene  
Concen: 8.450 ng  
RT: 10.119 min Scan# 11  
Delta R.T. 0.224 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

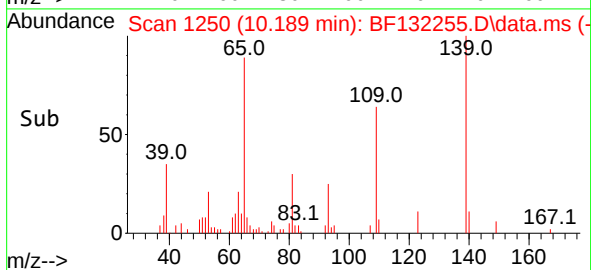
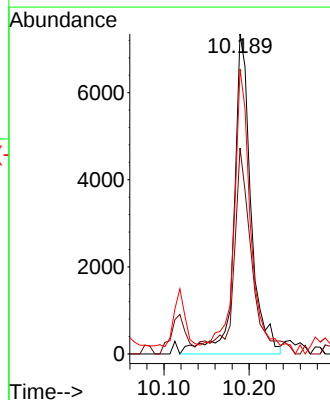
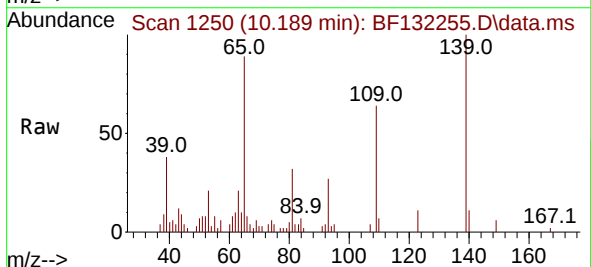
Instrument :  
BNA\_F  
ClientSampleId :  
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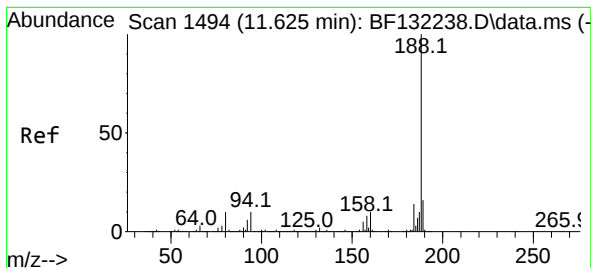
Tgt Ion:165 Resp: 40344  
Ion Ratio Lower Upper  
165 100  
63 0.8 41.5 62.3#  
89 1.2 48.1 72.1#



#56  
4-Nitrophenol  
Concen: 2.354 ng  
RT: 10.189 min Scan# 1250  
Delta R.T. -0.024 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion:139 Resp: 10255  
Ion Ratio Lower Upper  
139 100  
109 64.4 43.3 83.3  
65 89.0 52.3 92.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.619 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF132255.D

Acq: 01 Feb 2023 12:23

Instrument :

BNA\_F

ClientSampleId :

TP-I

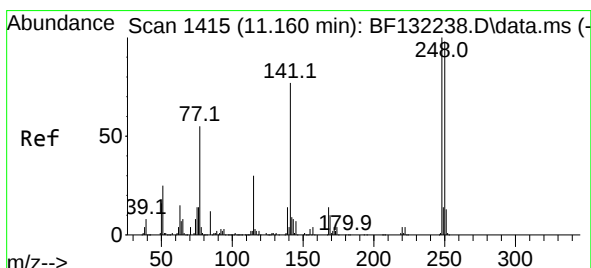
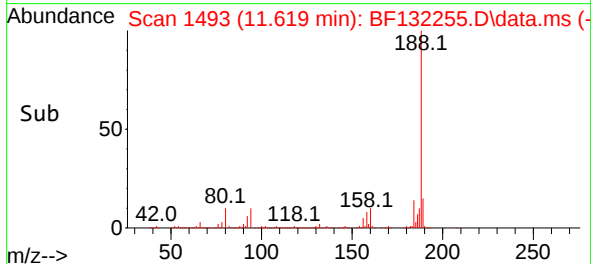
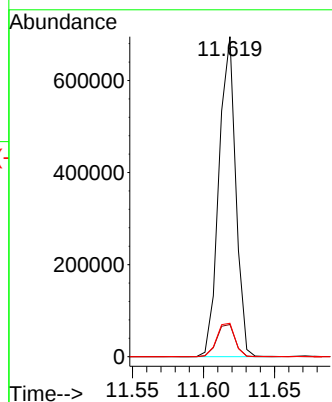
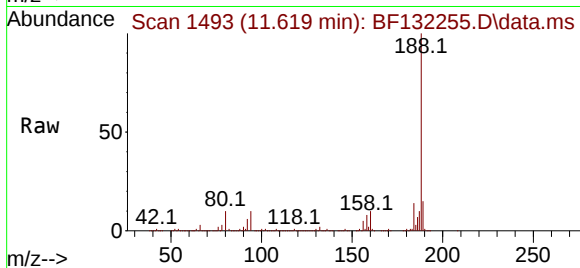
Tgt Ion:188 Resp: 571986

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

80 10.5 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.360 ng

RT: 10.913 min Scan# 1373

Delta R.T. -0.247 min

Lab File: BF132255.D

Acq: 01 Feb 2023 12:23

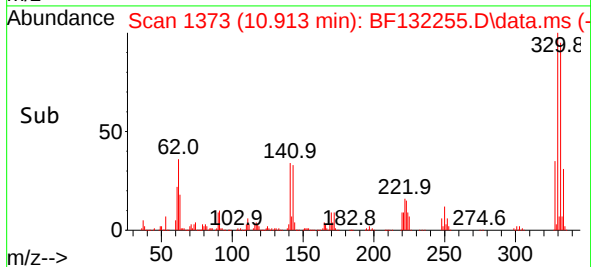
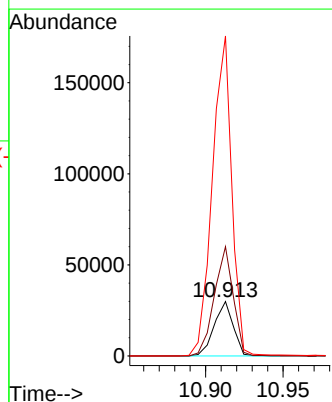
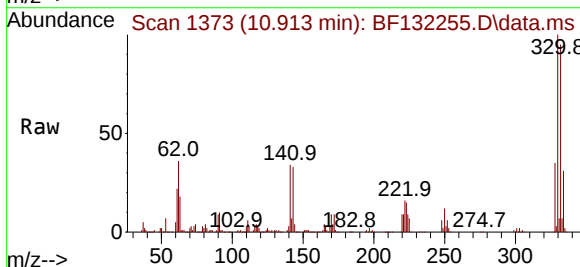
Tgt Ion:248 Resp: 25538

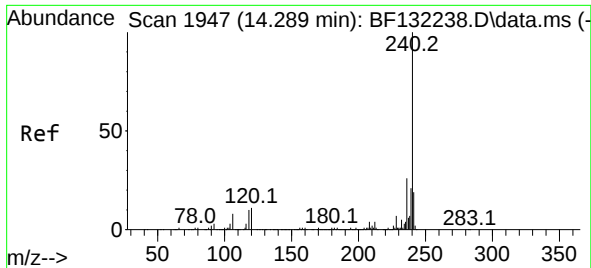
Ion Ratio Lower Upper

248 100

250 201.0 78.6 117.8#

141 588.1 61.6 92.4#

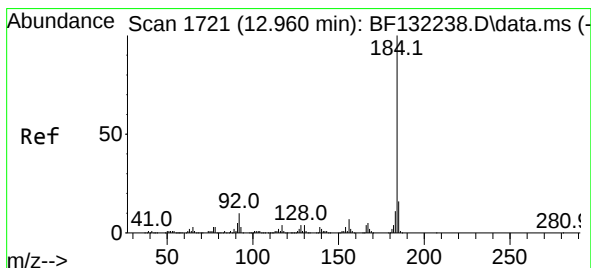
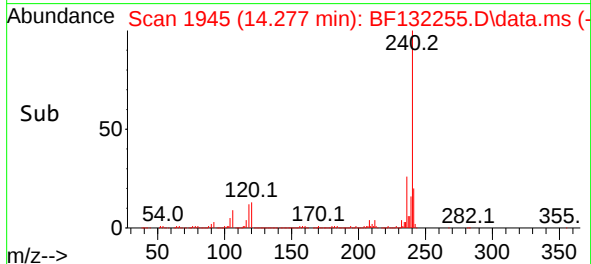
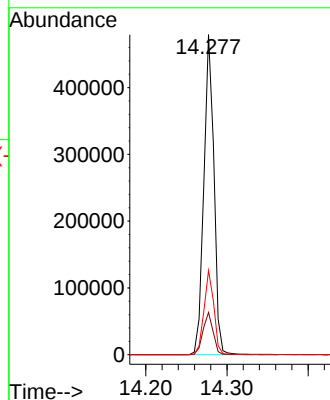
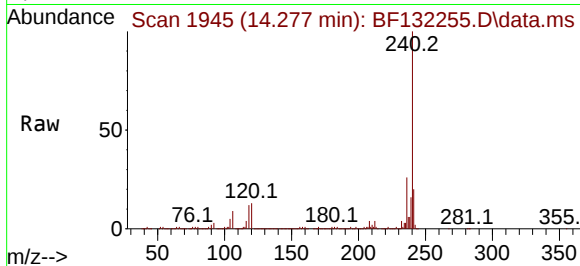




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.277 min Scan# 1945  
Delta R.T. -0.012 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

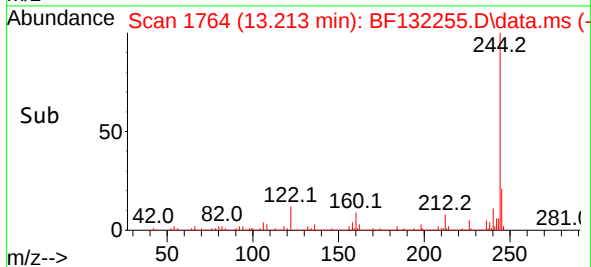
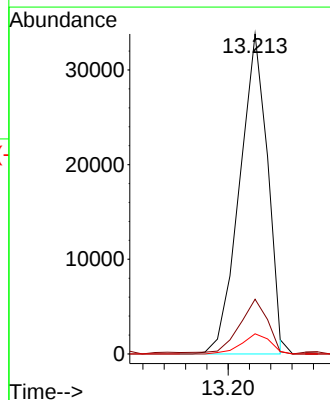
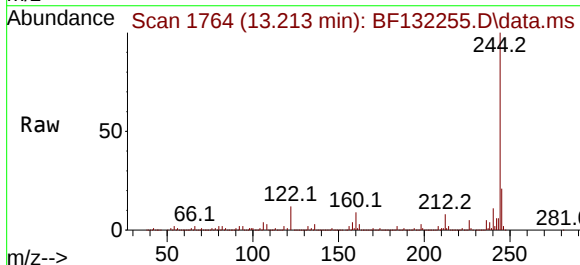
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I

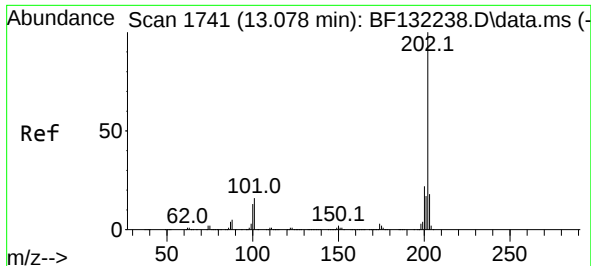
Tgt Ion:240 Resp: 414481  
Ion Ratio Lower Upper  
240 100  
120 13.2 8.8 13.2#  
236 26.3 21.0 31.6



#77  
Benzidine  
Concen: 2.129 ng  
RT: 13.213 min Scan# 1764  
Delta R.T. 0.253 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion:184 Resp: 30854  
Ion Ratio Lower Upper  
184 100  
185 17.1 12.6 18.8  
183 6.3 8.9 13.3#

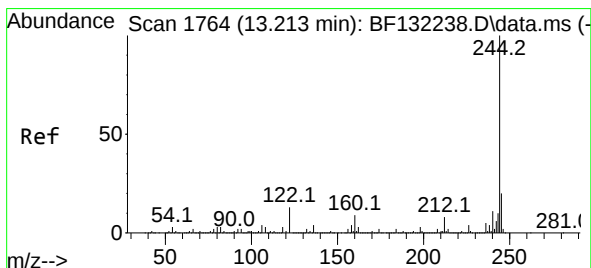
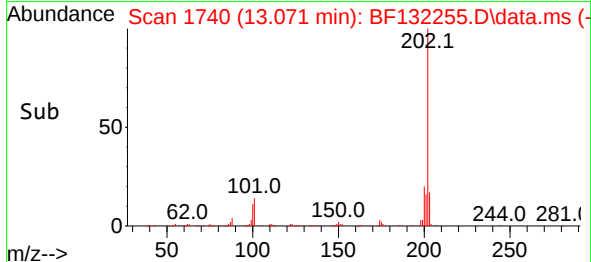
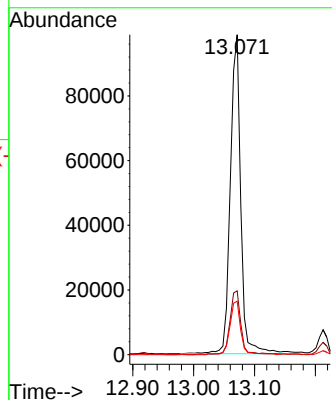
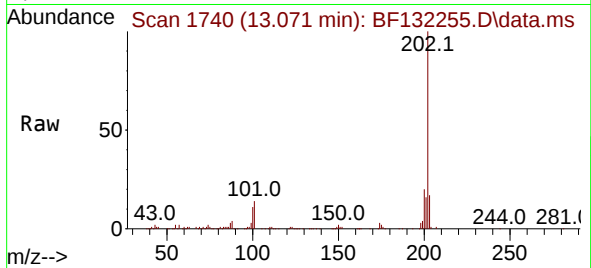




#78  
Pyrene  
Concen: 3.486 ng  
RT: 13.071 min Scan# 1741  
Delta R.T. -0.006 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

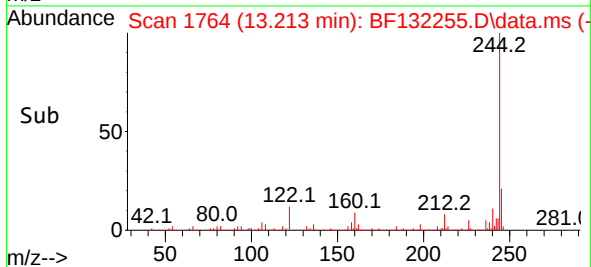
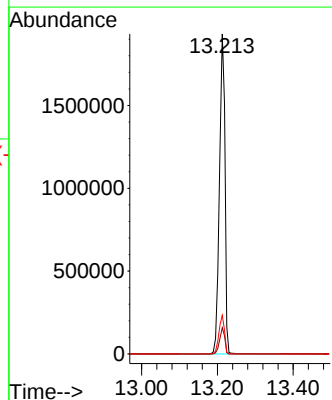
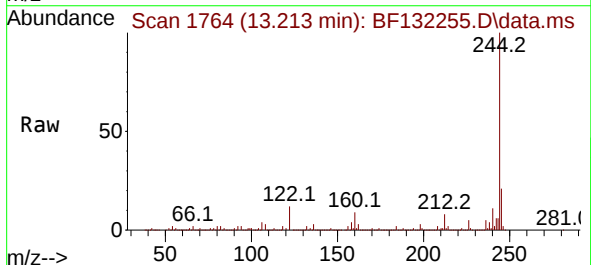
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I

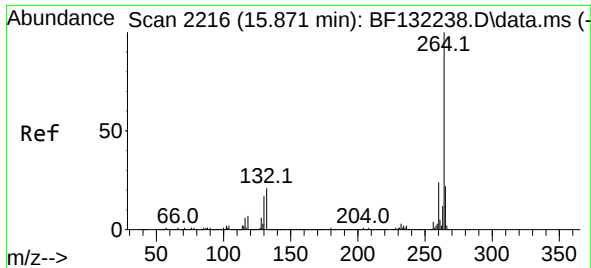
Tgt Ion:202 Resp: 116229  
Ion Ratio Lower Upper  
202 100  
200 19.9 17.3 25.9  
203 16.7 14.4 21.6



#79  
Terphenyl-d14  
Concen: 90.724 ng  
RT: 13.213 min Scan# 1764  
Delta R.T. -0.000 min  
Lab File: BF132255.D  
Acq: 01 Feb 2023 12:23

Tgt Ion:244 Resp: 1943921  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.4 9.6  
122 12.1 10.5 15.7





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.865 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF132255.D  
 Acq: 01 Feb 2023 12:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-I

Tgt Ion:264 Resp: 349567  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.4  
 265 21.3 17.4 26.2

