

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
 Data File : BF125633.D  
 Acq On : 24 Sep 2021 21:52  
 Operator : JU/CG  
 Sample : M3911-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 25 03:01:50 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 15:38:32 2021  
 Response via : Initial Calibration

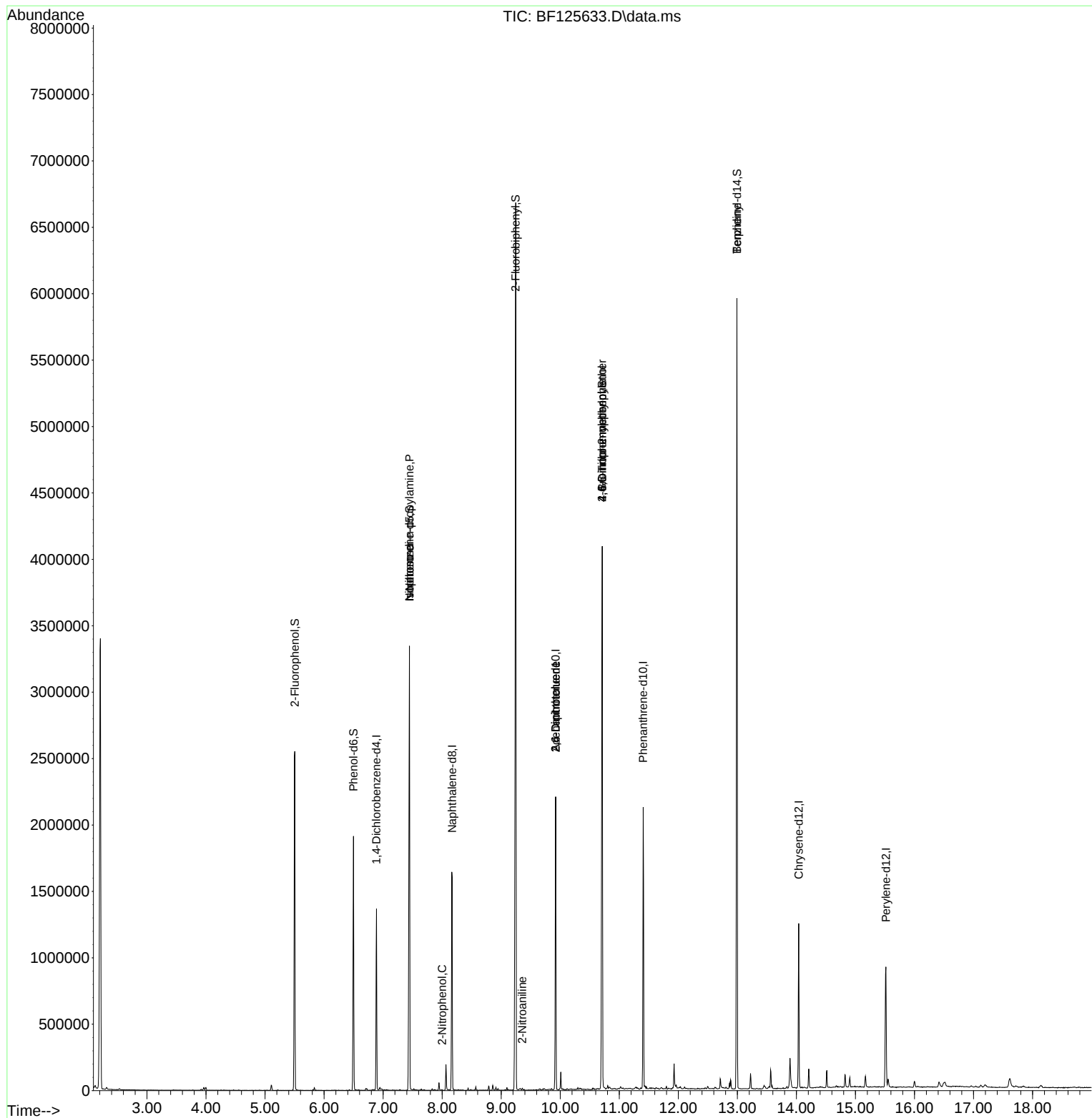
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 204610   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 843977   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.921  | 164  | 449357   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 745668   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 387713   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 413080   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 819454   | 65.984    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 624747   | 37.418    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1210995  | 100.082   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 552362   | 131.839   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2329232  | 94.658    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 2033803  | 90.842    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.433  | 77   | 246      | Below Cal | #     | 76       |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 152110   | 16.001    | ng    | # 51     |
| 25) Isophorone                | 7.445  | 82   | 1206949  | 44.539    | ng    | # 59     |
| 26) 2-Nitrophenol             | 7.998  | 139  | 384      | 5.786     | ng    | # 39     |
| 48) 2-Nitroaniline            | 9.357  | 65   | 241      | 4.191     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.921  | 165  | 55232    | 12.305    | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.921  | 165  | 55232    | 11.265    | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.710 | 198  | 1166     | 9.274     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 30819    | 3.938     | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 25327    | 2.487     | ng    | 97       |
| -----                         |        |      |          |           |       |          |

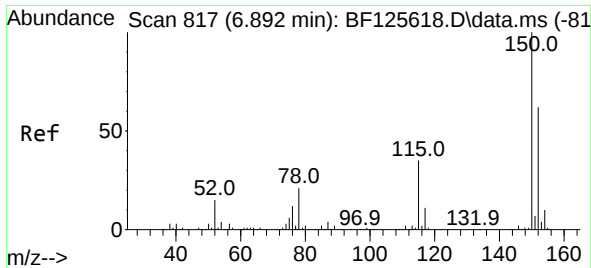
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
Data File : BF125633.D  
Acq On : 24 Sep 2021 21:52  
Operator : JU/CG  
Sample : M3911-16  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Sep 25 03:01:50 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 24 15:38:32 2021  
Response via : Initial Calibration

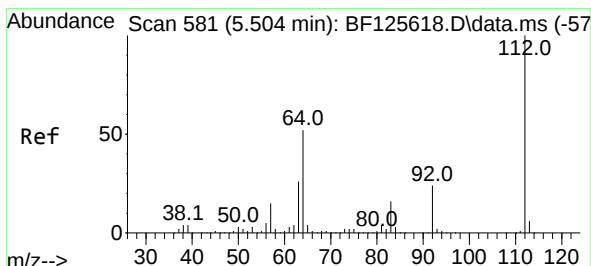
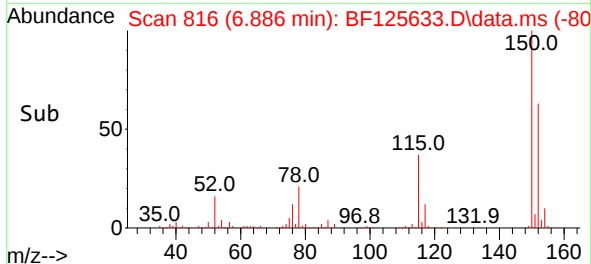
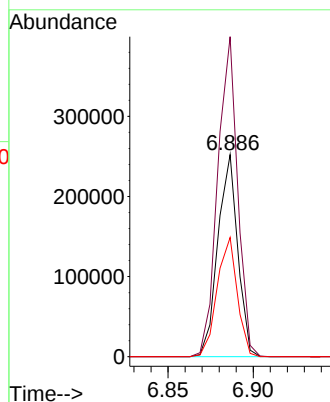
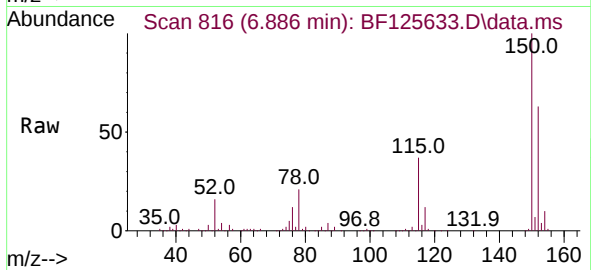




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

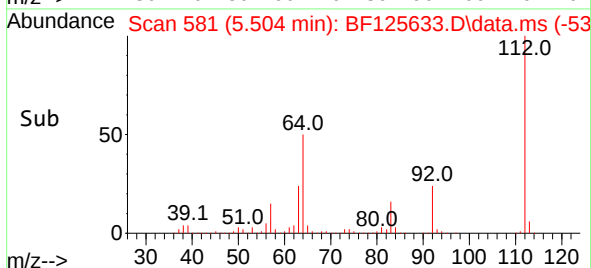
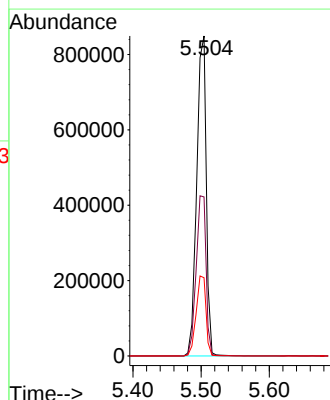
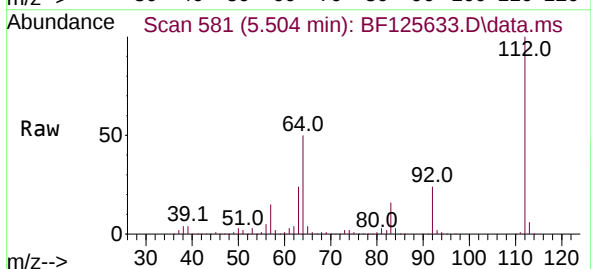
Instrument :  
BNA\_F  
ClientSampleId :

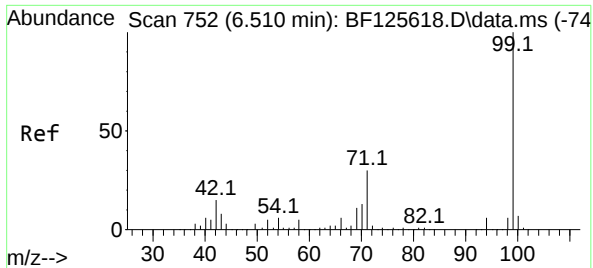
Tgt Ion:152 Resp: 204610  
Ion Ratio Lower Upper  
152 100  
150 158.3 117.6 176.4  
115 59.0 47.1 70.7



#5  
2-Fluorophenol  
Concen: 65.984 ng  
RT: 5.504 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion:112 Resp: 819454  
Ion Ratio Lower Upper  
112 100  
64 49.7 44.2 66.2  
63 24.5 26.2 39.2#

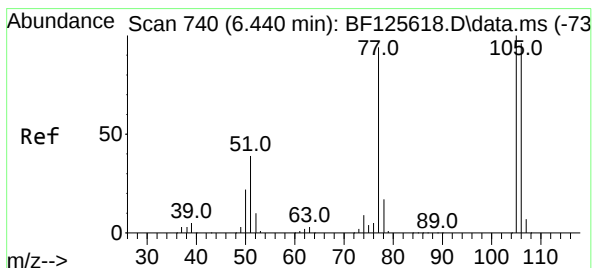
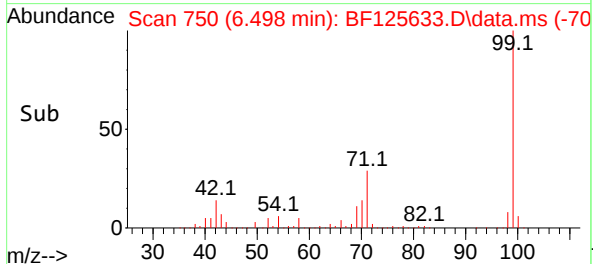
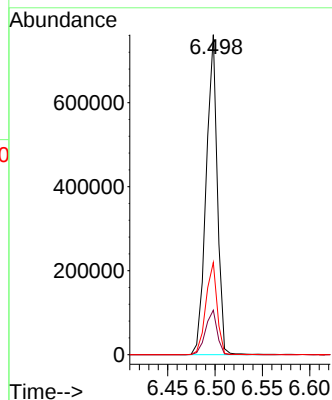
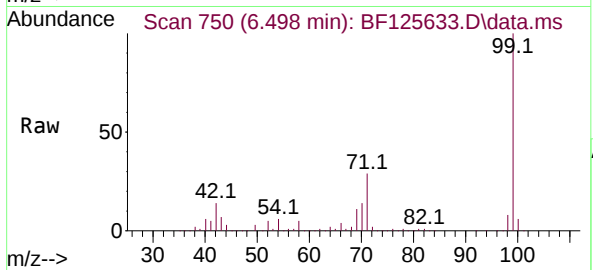




#7  
Phenol-d6  
Concen: 37.418 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

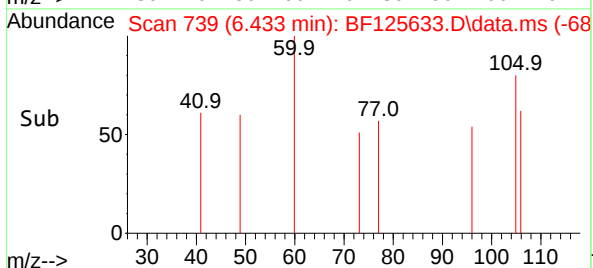
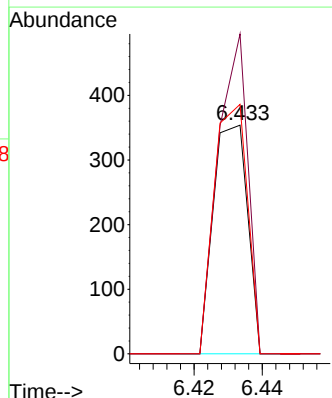
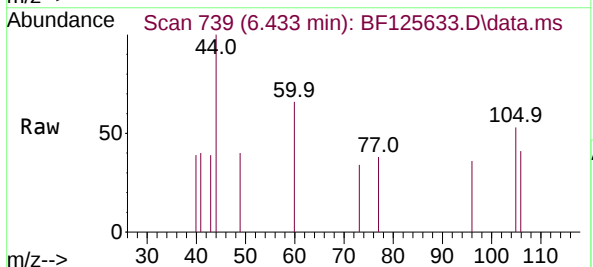
Instrument :  
BNA\_F  
ClientSampleId :

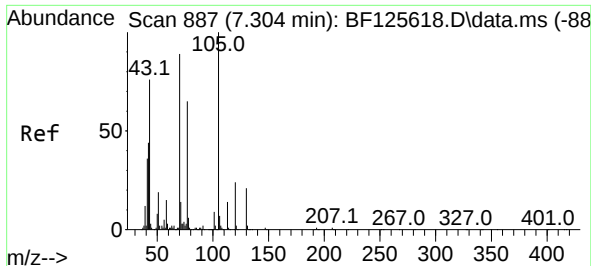
Tgt Ion: 99 Resp: 624747  
Ion Ratio Lower Upper  
99 100  
42 13.9 23.5 35.3#  
71 28.8 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.433 min Scan# 739  
Delta R.T. -0.007 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion: 77 Resp: 246  
Ion Ratio Lower Upper  
77 100  
105 139.8 75.9 115.9#  
106 109.0 84.0 124.0

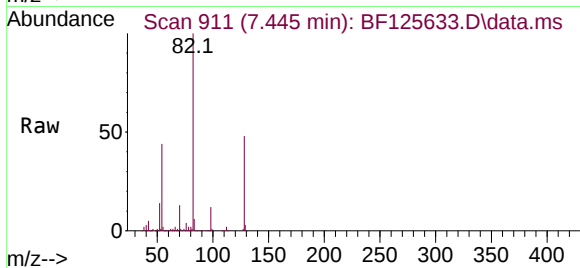




#19

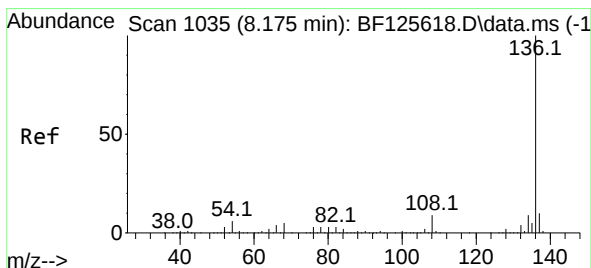
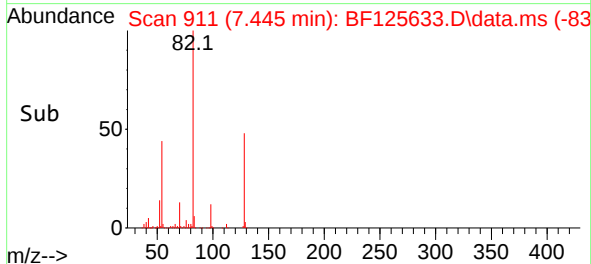
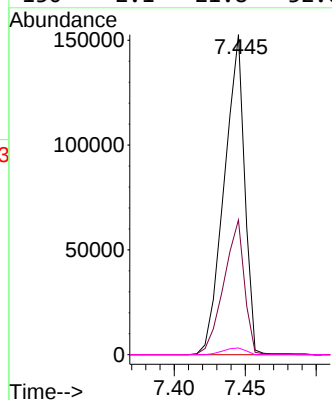
n-Nitroso-di-n-propylamine  
 Concen: 16.001 ng  
 RT: 7.445 min Scan# 911  
 Delta R.T. 0.141 min  
 Lab File: BF125633.D  
 Acq: 24 Sep 2021 21:52

Instrument :  
 BNA\_F  
 ClientSampled :



Tgt Ion: 70 Resp: 152110

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 70  | 100   |       |        |
| 42  | 42.1  | 72.2  | 108.2# |
| 101 | 0.0   | 7.8   | 11.8#  |
| 130 | 2.1   | 21.8  | 32.6#  |

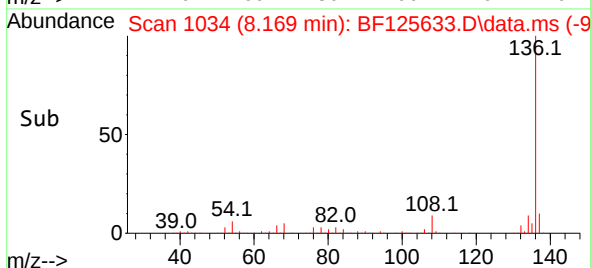
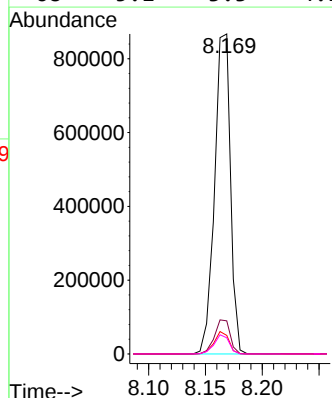
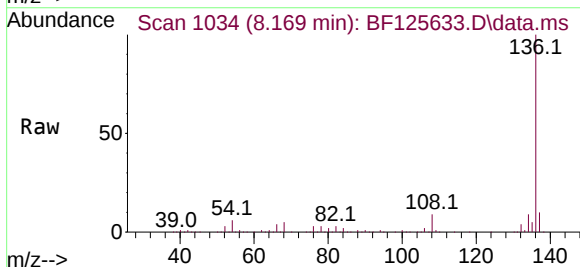


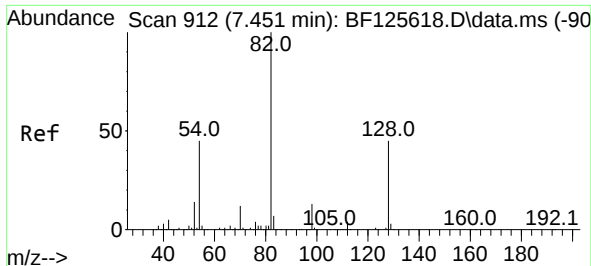
#21

Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.169 min Scan# 1034  
 Delta R.T. -0.006 min  
 Lab File: BF125633.D  
 Acq: 24 Sep 2021 21:52

Tgt Ion: 136 Resp: 843977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 9.8   | 14.6  |
| 54  | 5.8   | 6.4   | 9.6#  |
| 68  | 5.1   | 3.3   | 4.9#  |





#23

Nitrobenzene-d5

Concen: 100.082 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125633.D

Acq: 24 Sep 2021 21:52

Instrument :

BNA\_F

ClientSampleId :

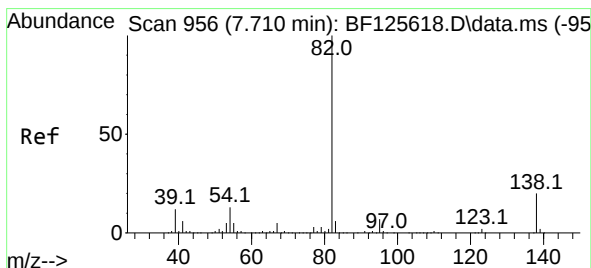
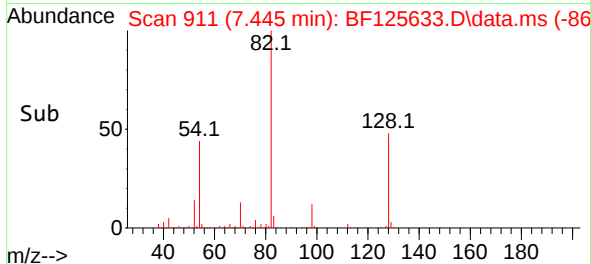
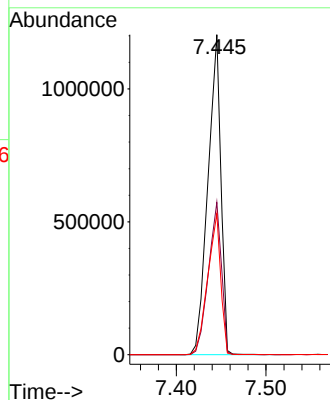
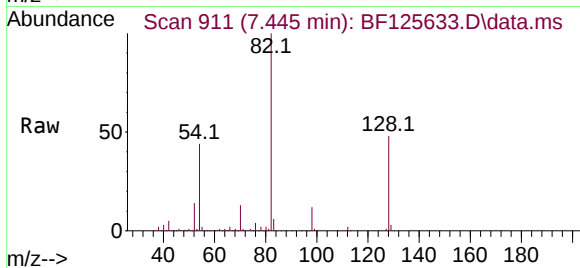
Tgt Ion: 82 Resp: 1210995

Ion Ratio Lower Upper

82 100

128 47.6 40.6 60.8

54 44.1 49.6 74.4#



#25

Isophorone

Concen: 44.539 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125633.D

Acq: 24 Sep 2021 21:52

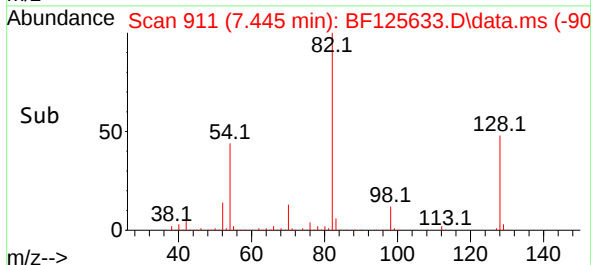
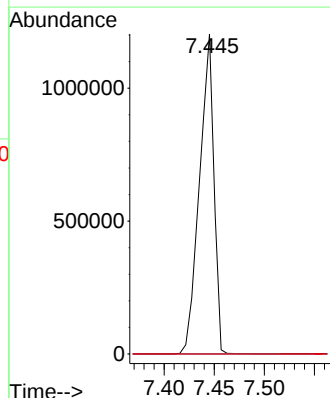
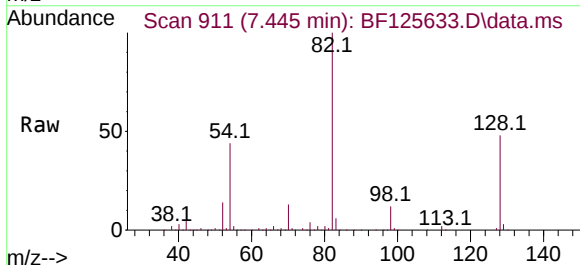
Tgt Ion: 82 Resp: 1206949

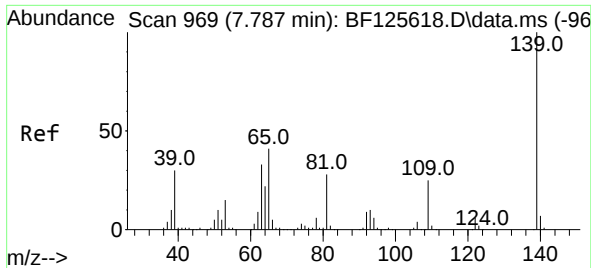
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

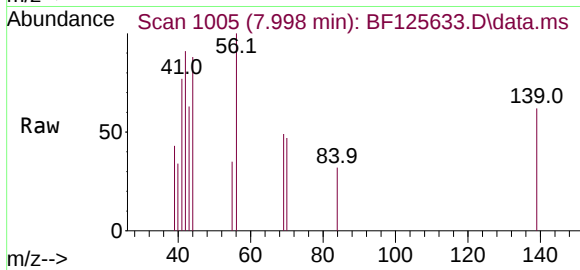
138 0.0 18.4 27.6#



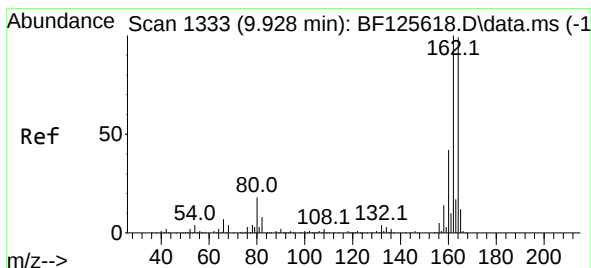
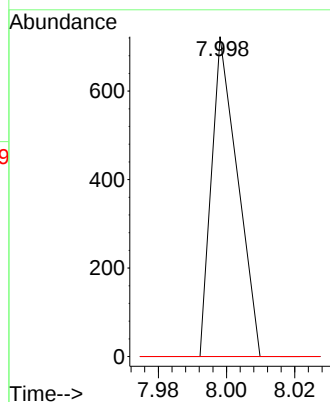
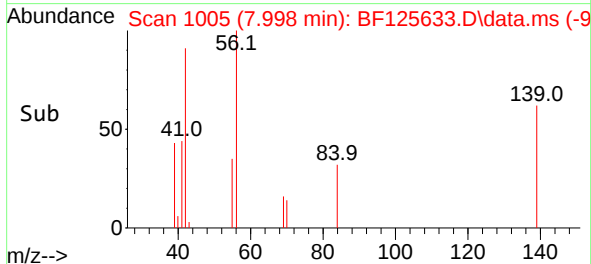


#26  
2-Nitrophenol  
Concen: 5.786 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. 0.211 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

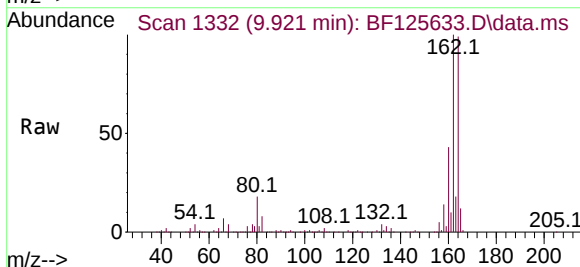
Instrument :  
BNA\_F  
ClientSampled :



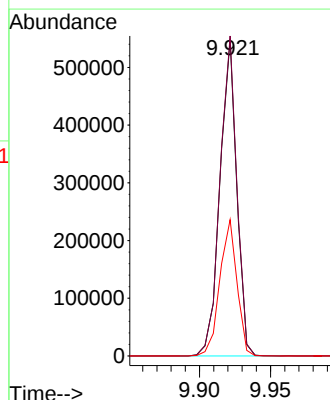
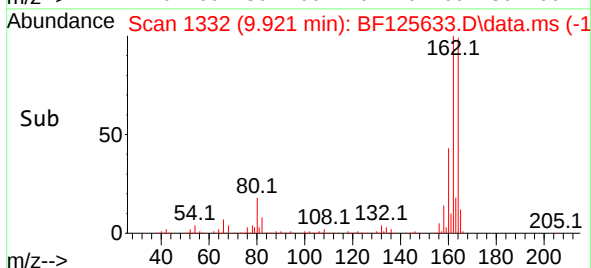
Tgt Ion:139 Resp: 384  
Ion Ratio Lower Upper  
139 100  
109 0.0 26.0 39.0#  
65 0.0 31.0 46.4#

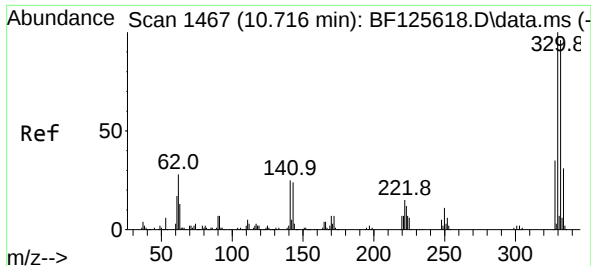


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.921 min Scan# 1332  
Delta R.T. -0.007 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52



Tgt Ion:164 Resp: 449357  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.3 121.9  
160 43.1 38.0 57.0

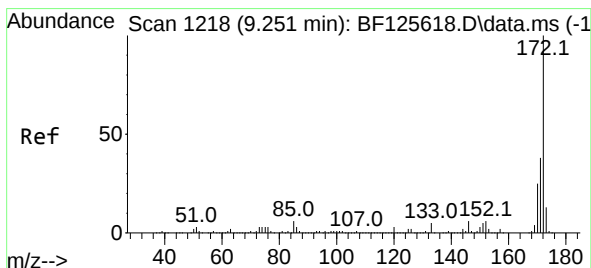
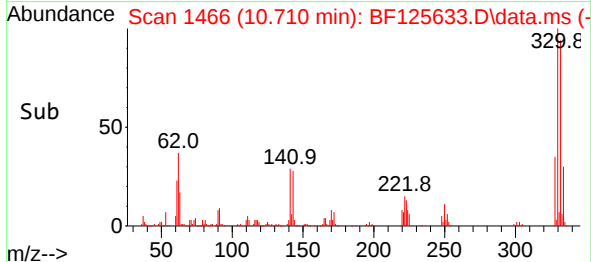
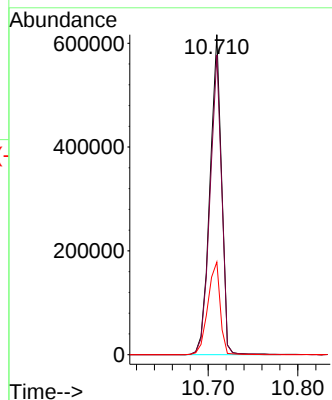
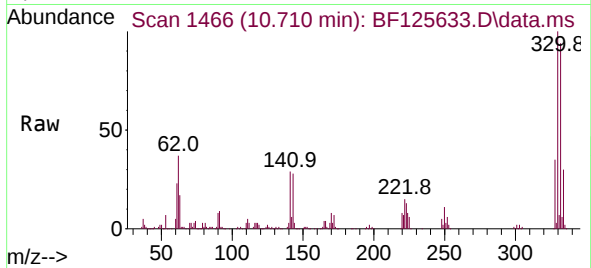




#42  
2,4,6-Tribromophenol  
Concen: 131.839 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

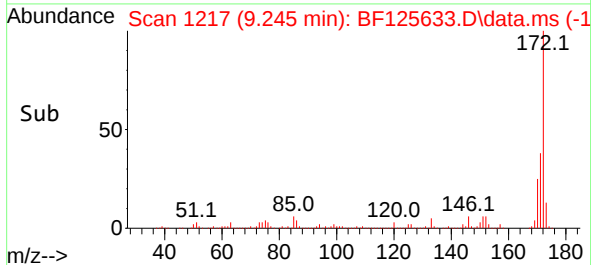
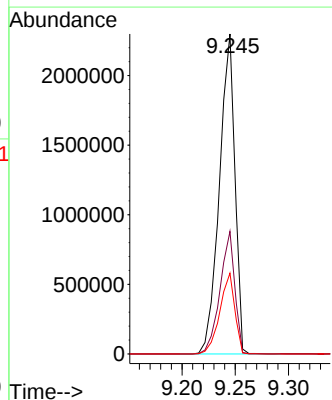
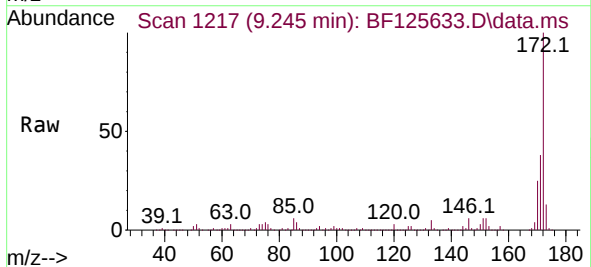
Instrument :  
BNA\_F  
ClientSampleId :

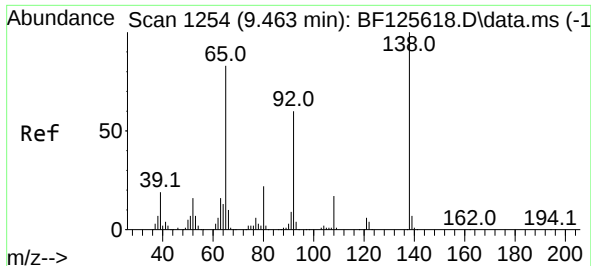
Tgt Ion: 330 Resp: 552362  
Ion Ratio Lower Upper  
330 100  
332 94.4 76.2 114.4  
141 30.8 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 94.658 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion: 172 Resp: 2329232  
Ion Ratio Lower Upper  
172 100  
171 38.3 26.5 39.7  
170 25.3 18.8 28.2

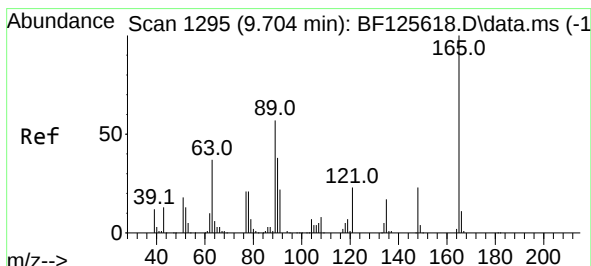
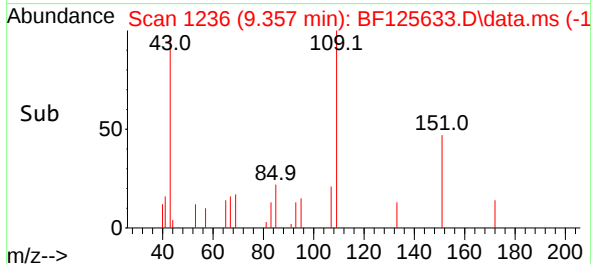
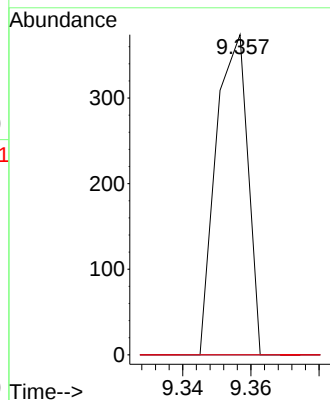
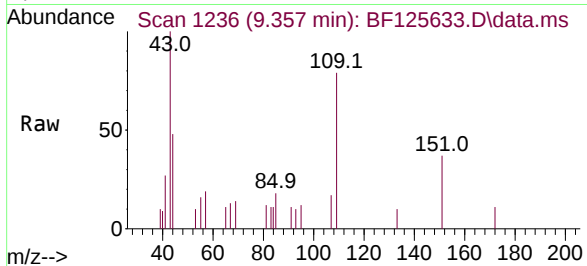




#48  
2-Nitroaniline  
Concen: 4.191 ng  
RT: 9.357 min Scan# 1236  
Delta R.T. -0.106 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

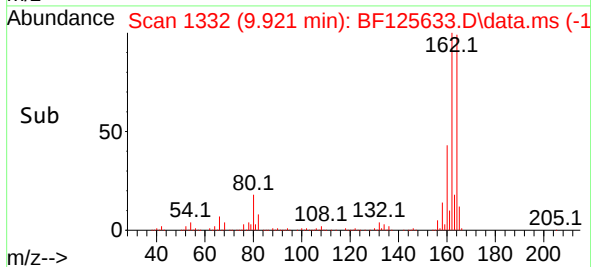
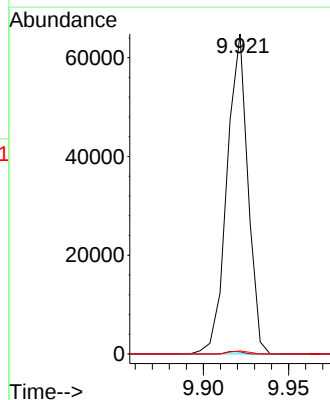
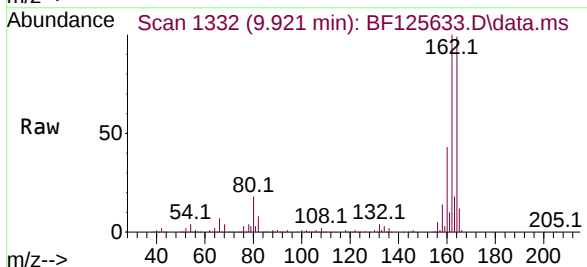
Instrument :  
BNA\_F  
ClientSampled :

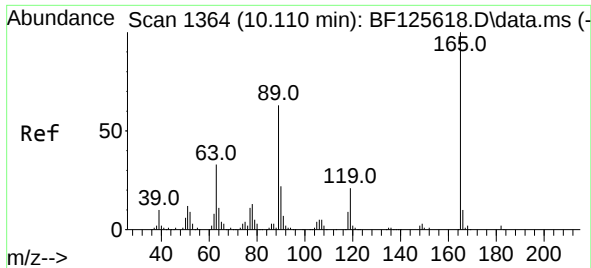
Tgt Ion: 65 Resp: 241  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.5 83.3#  
138 0.0 93.5 140.3#



#51  
2,6-Dinitrotoluene  
Concen: 12.305 ng  
RT: 9.921 min Scan# 1332  
Delta R.T. 0.217 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

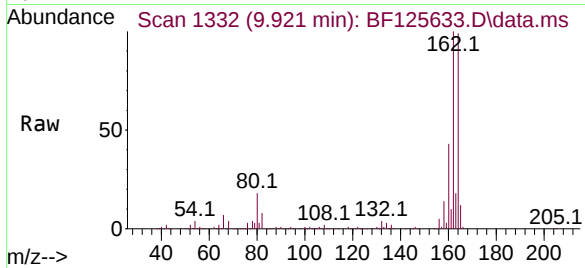
Tgt Ion:165 Resp: 55232  
Ion Ratio Lower Upper  
165 100  
63 0.7 42.6 63.8#  
89 1.0 40.6 60.8#



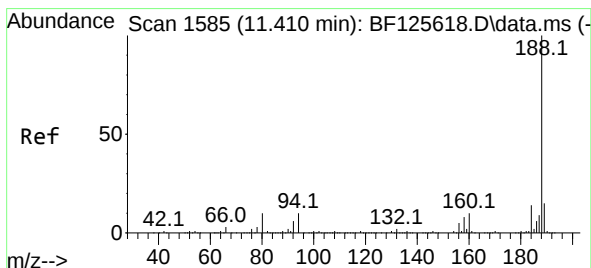
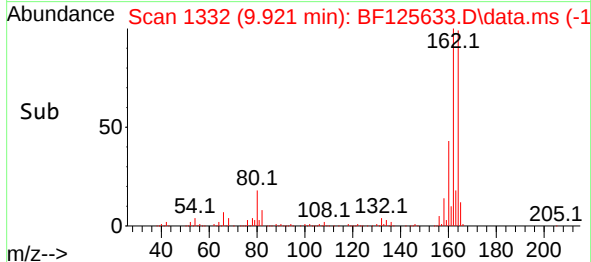
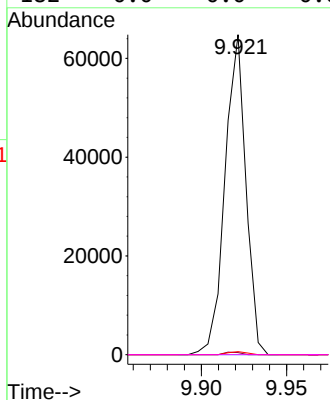


#57  
2,4-Dinitrotoluene  
Concen: 11.265 ng  
RT: 9.921 min Scan# 1332  
Delta R.T. -0.189 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

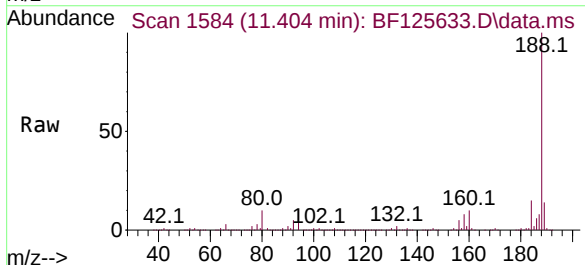
Instrument :  
BNA\_F  
ClientSampleId :



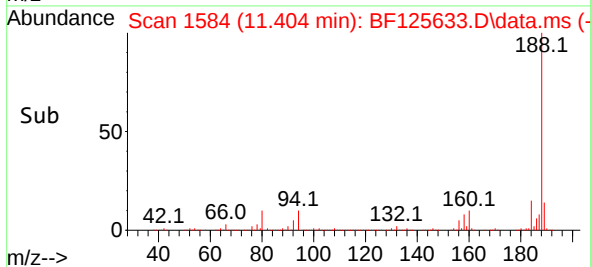
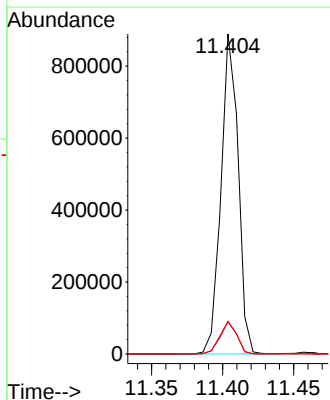
Tgt Ion:165 Resp: 55232  
Ion Ratio Lower Upper  
165 100  
63 0.7 40.9 61.3#  
89 1.0 59.7 89.5#  
182 0.0 0.0 0.0

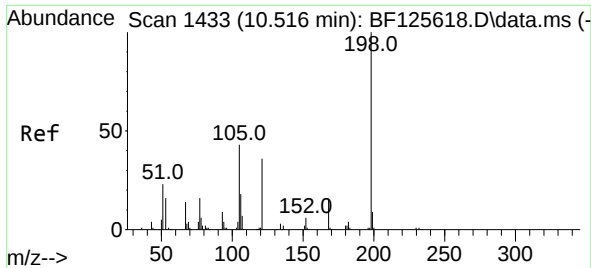


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52



Tgt Ion:188 Resp: 745668  
Ion Ratio Lower Upper  
188 100  
94 10.1 6.7 10.1#  
80 10.2 7.5 11.3

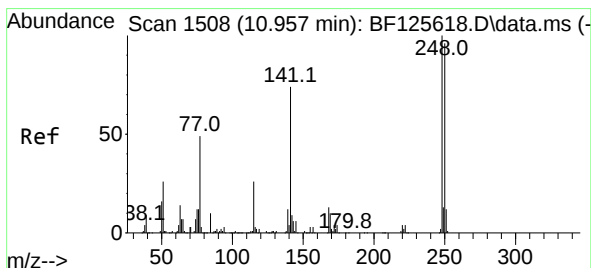
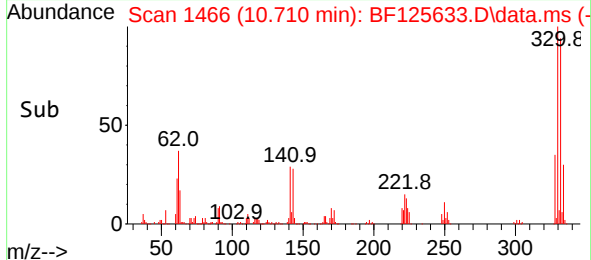
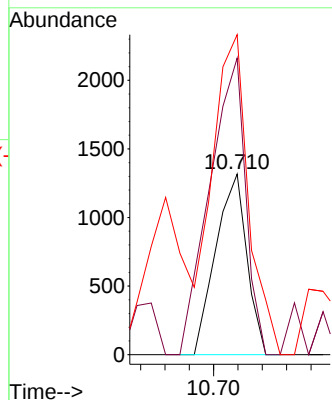
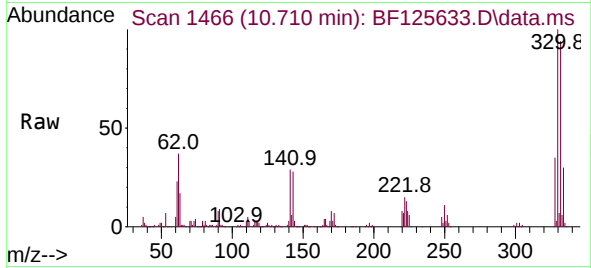




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.274 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. 0.194 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

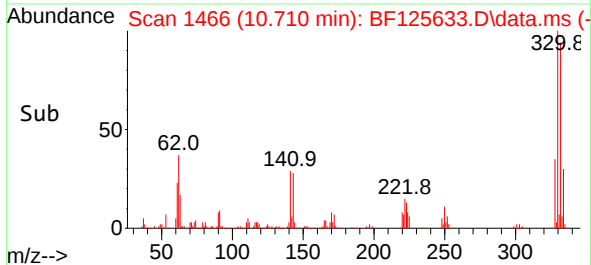
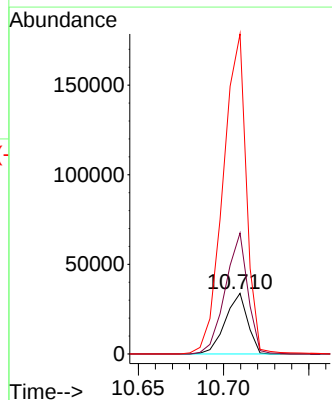
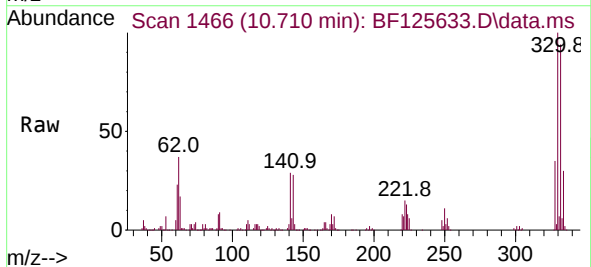
Instrument :  
BNA\_F  
ClientSampled :

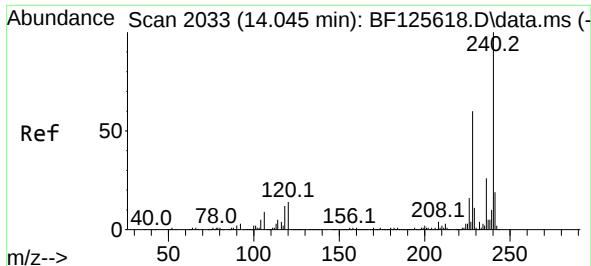
Tgt Ion:198 Resp: 1166  
Ion Ratio Lower Upper  
198 100  
51 164.2 45.3 85.3#  
105 177.1 30.6 70.6#



#67  
4-Bromophenyl-phenylether  
Concen: 3.938 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion:248 Resp: 30819  
Ion Ratio Lower Upper  
248 100  
250 199.7 74.2 111.4#  
141 528.2 60.4 90.6#

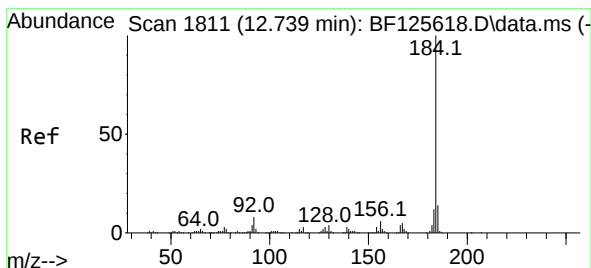
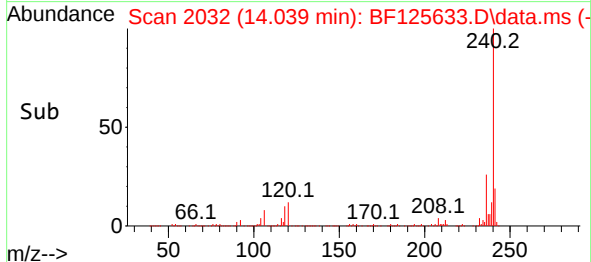
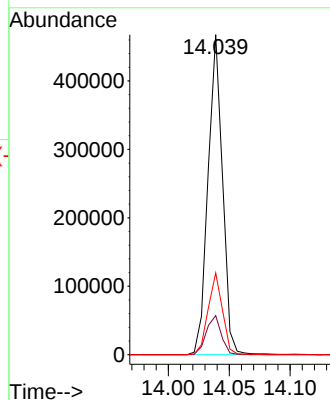
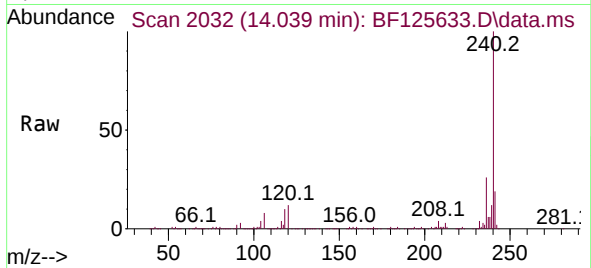




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

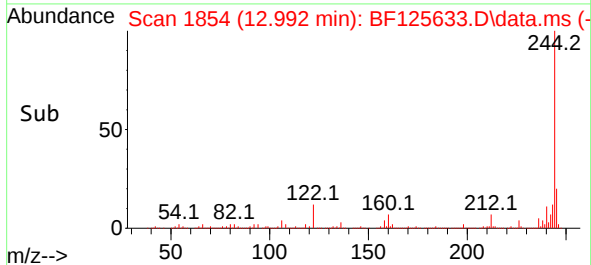
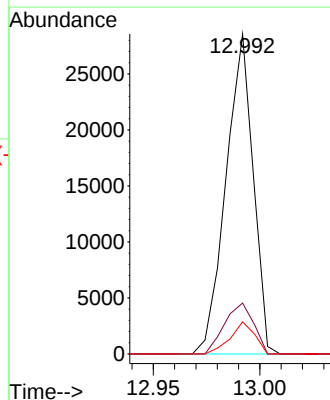
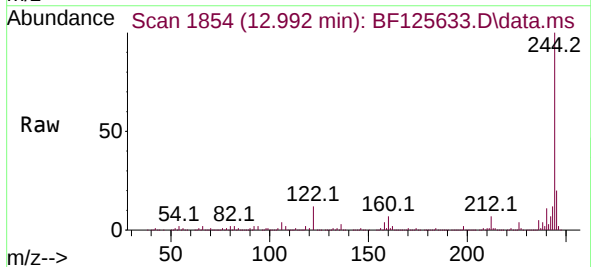
Instrument :  
BNA\_F  
ClientSampleId :

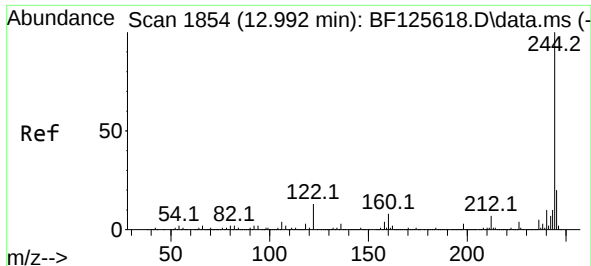
Tgt Ion:240 Resp: 387713  
Ion Ratio Lower Upper  
240 100  
120 12.2 10.8 16.2  
236 25.5 21.6 32.4



#77  
Benzidine  
Concen: 2.487 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. 0.253 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion:184 Resp: 25327  
Ion Ratio Lower Upper  
184 100  
185 15.9 10.8 16.2  
183 10.0 8.1 12.1

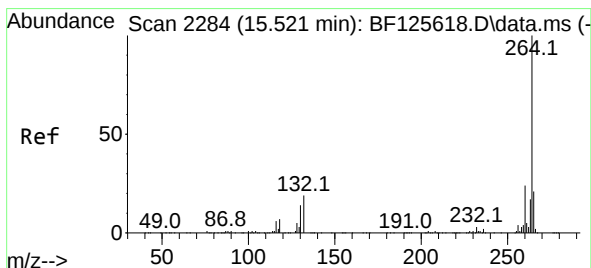
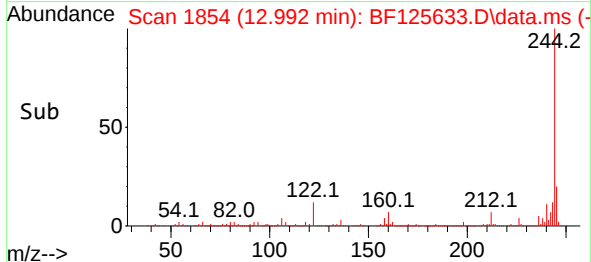
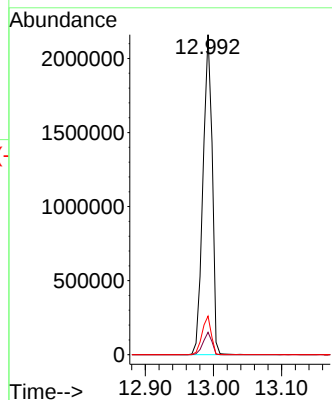
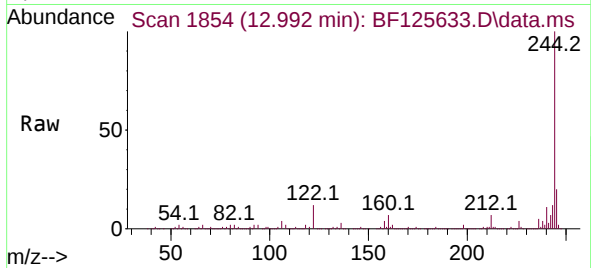




#79  
Terphenyl-d14  
Concen: 90.842 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:244 Resp: 2033803  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 12.1 9.0 13.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2283  
Delta R.T. -0.006 min  
Lab File: BF125633.D  
Acq: 24 Sep 2021 21:52

Tgt Ion:264 Resp: 413080  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.6 29.4  
265 20.0 17.2 25.8

