

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093021\  
 Data File : BF125735.D  
 Acq On : 30 Sep 2021 16:05  
 Operator : JU/CG  
 Sample : M3971-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-COMP-1

Quant Time: Sep 30 17:16:35 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

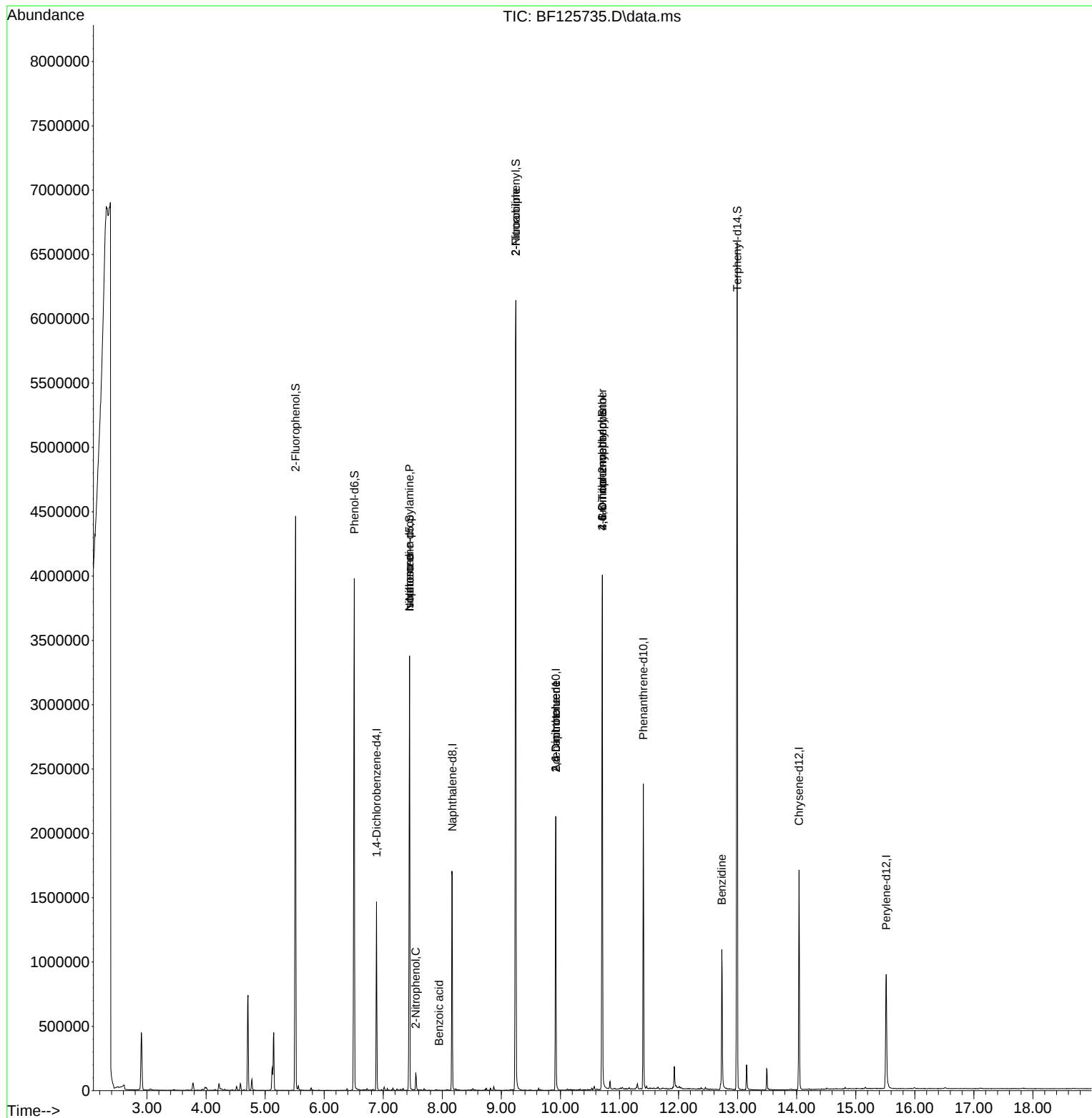
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 203373   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 820597   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 438052   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 779325   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 571378   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 441343   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1407495  | 114.024   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1521956  | 91.710    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1109375  | 94.296    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 553888   | 135.615   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2141922  | 88.392    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 2345648  | 71.093    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.510  | 77   | 1966     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 140539   | 14.874    | ng    | # 50     |
| 25) Isophorone                | 7.445  | 82   | 1109540  | 42.111    | ng    | # 59     |
| 26) 2-Nitrophenol             | 7.551  | 139  | 1199     | 5.902     | ng    | # 39     |
| 32) Benzoic acid              | 7.945  | 122  | 373      | 8.664     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.245  | 65   | 2988     | 4.590     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 54354    | 12.383    | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 54354    | 11.326    | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.710 | 198  | 1092     | 9.247     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 30621    | 3.744     | ng    | # 1      |
| 77) Benzidine                 | 12.733 | 184  | 431564   | 28.751    | ng    | 96       |
| -----                         |        |      |          |           |       |          |

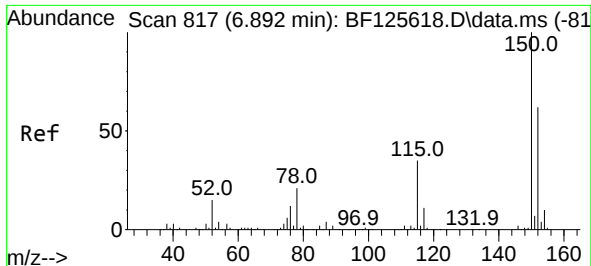
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093021\  
Data File : BF125735.D  
Acq On : 30 Sep 2021 16:05  
Operator : JU/CG  
Sample : M3971-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

Quant Time: Sep 30 17:16:35 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

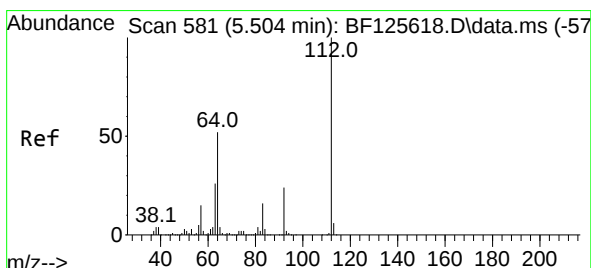
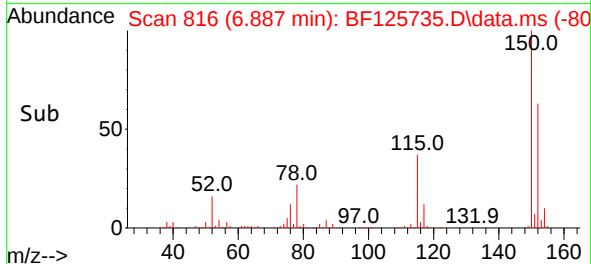
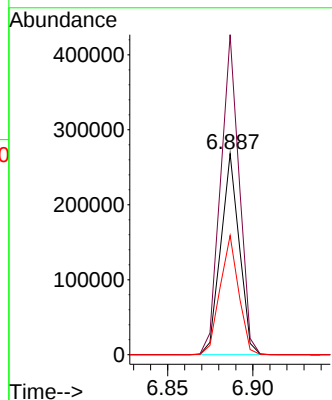
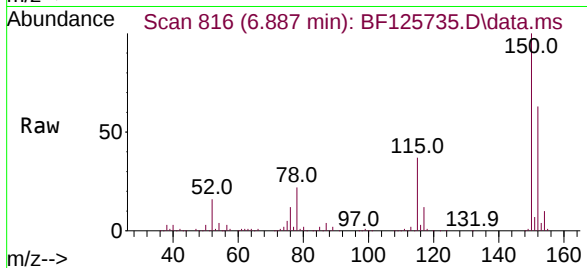




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

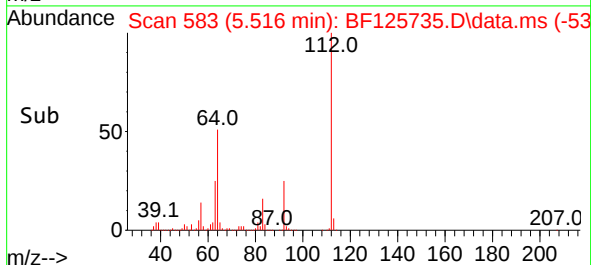
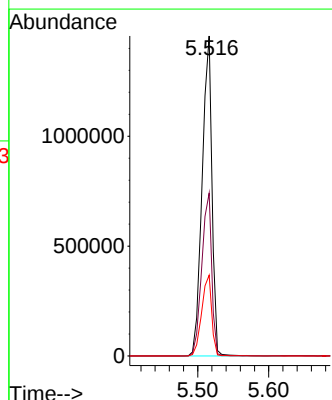
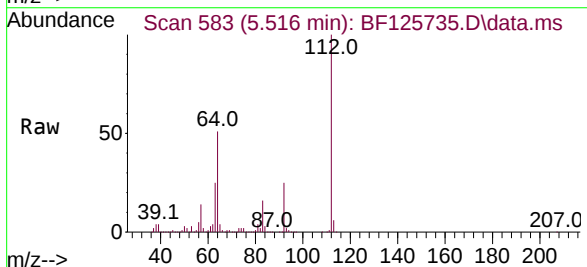
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

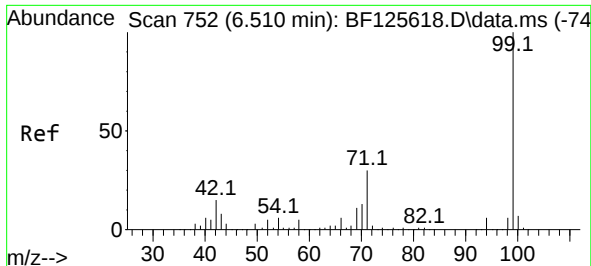
Tgt Ion:152 Resp: 203373  
Ion Ratio Lower Upper  
152 100  
150 159.1 117.6 176.4  
115 59.2 47.1 70.7



#5  
2-Fluorophenol  
Concen: 114.024 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.012 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion:112 Resp: 1407495  
Ion Ratio Lower Upper  
112 100  
64 50.9 44.2 66.2  
63 25.2 26.2 39.2#

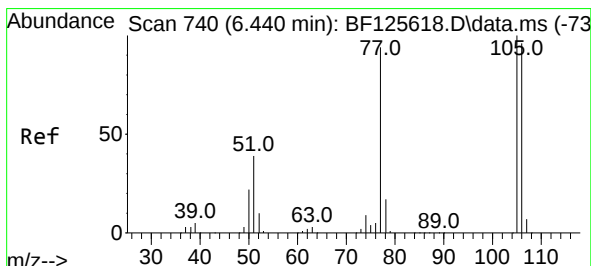
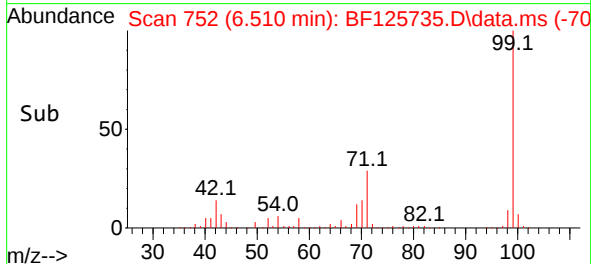
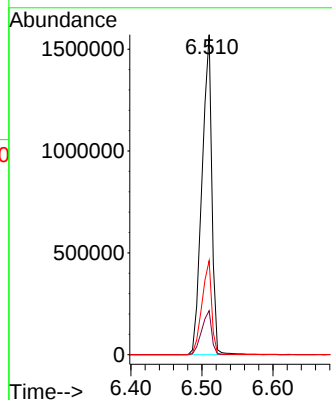
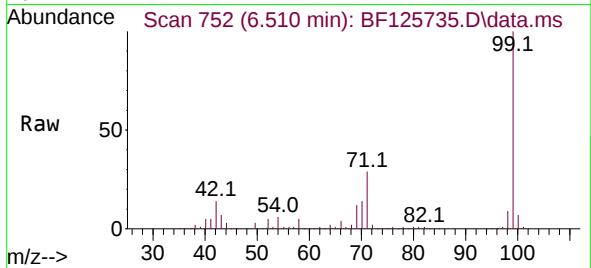




#7  
Phenol-d6  
Concen: 91.710 ng  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

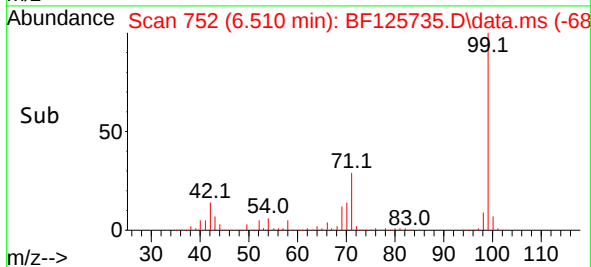
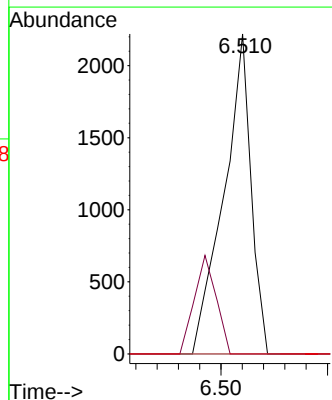
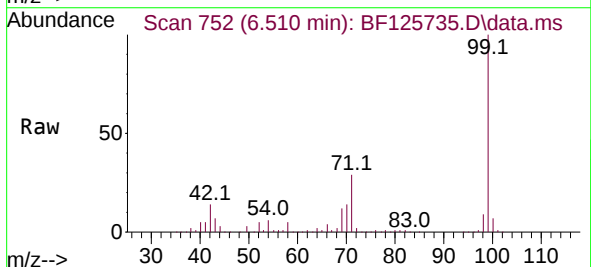
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

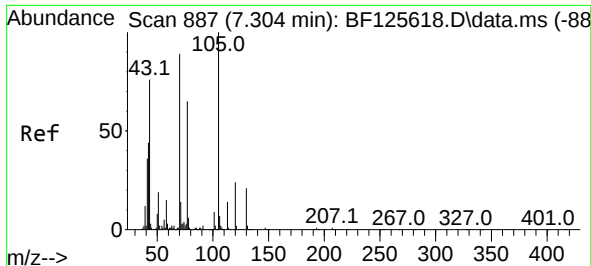
Tgt Ion: 99 Resp: 1521956  
Ion Ratio Lower Upper  
99 100  
42 13.8 23.5 35.3#  
71 29.4 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.510 min Scan# 752  
Delta R.T. 0.070 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

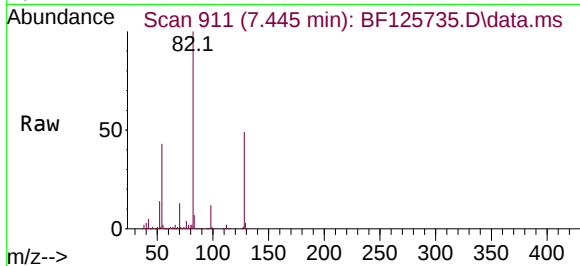
Tgt Ion: 77 Resp: 1966  
Ion Ratio Lower Upper  
77 100  
105 0.0 75.9 115.9#  
106 0.0 84.0 124.0#



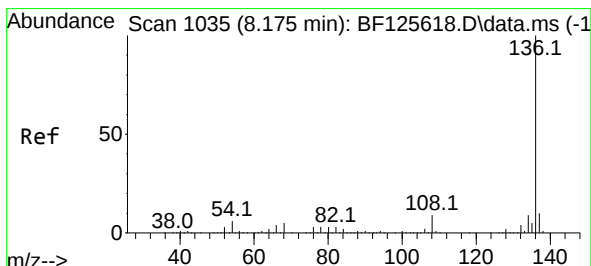
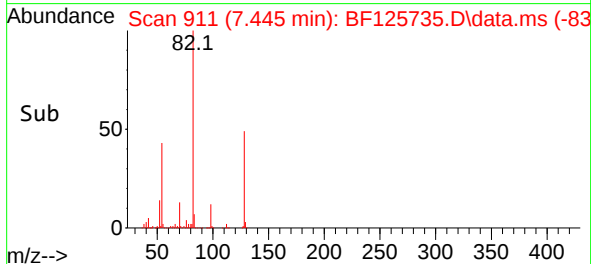
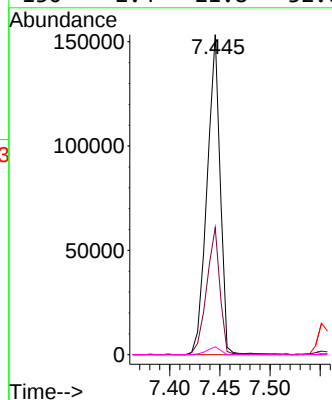


#19  
n-Nitroso-di-n-propylamine  
Concen: 14.874 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.141 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

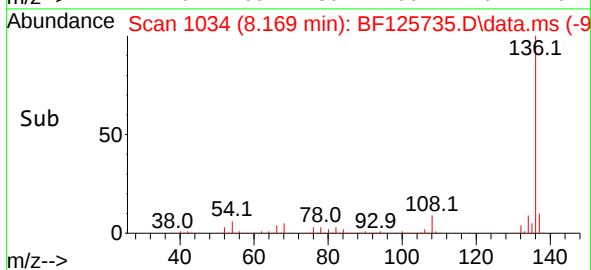
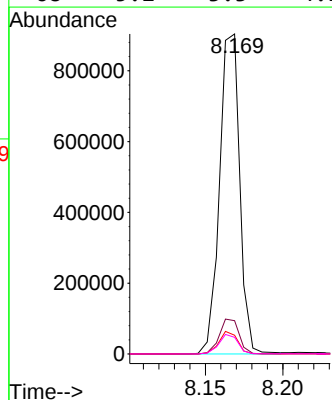
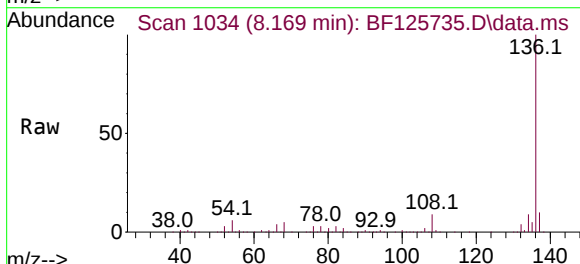


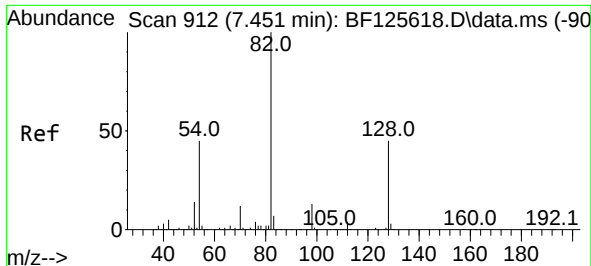
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 70      | 100   |       |        |
| 42      | 39.7  | 72.2  | 108.2# |
| 101     | 0.0   | 7.8   | 11.8#  |
| 130     | 2.4   | 21.8  | 32.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.4  | 9.8   | 14.6  |
| 54      | 5.8   | 6.4   | 9.6#  |
| 68      | 5.2   | 3.3   | 4.9#  |





#23

Nitrobenzene-d5

Concen: 94.296 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125735.D

Acq: 30 Sep 2021 16:05

Instrument :

BNA\_F

ClientSampleId :

RO-COMP-1

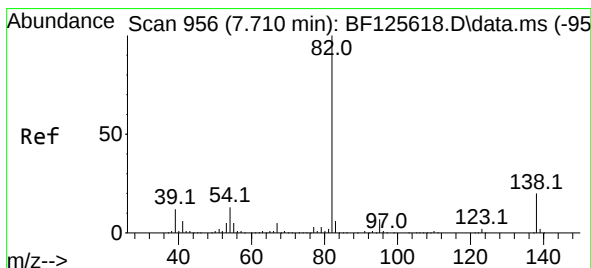
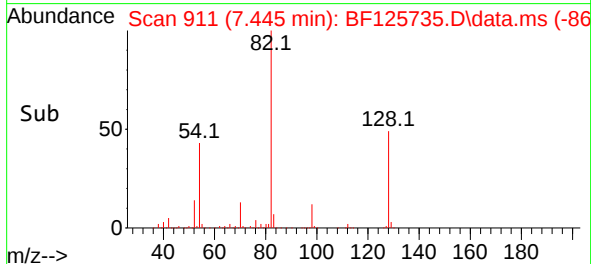
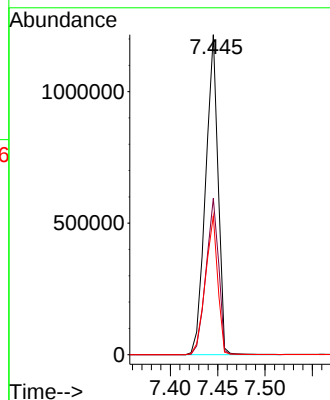
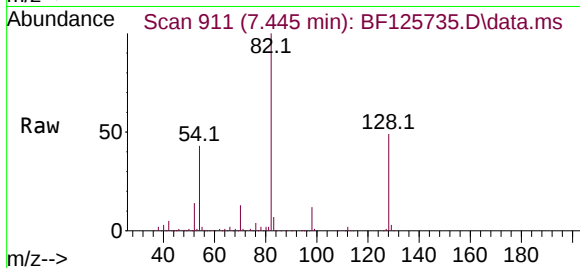
Tgt Ion: 82 Resp: 1109375

Ion Ratio Lower Upper

82 100

128 48.8 40.6 60.8

54 43.4 49.6 74.4#



#25

Isophorone

Concen: 42.111 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125735.D

Acq: 30 Sep 2021 16:05

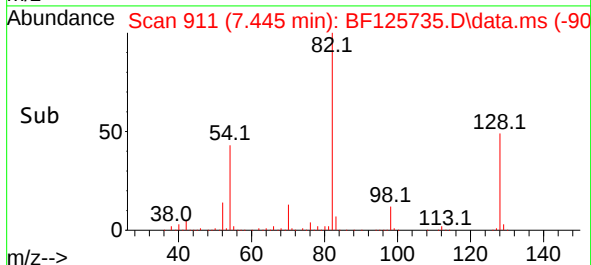
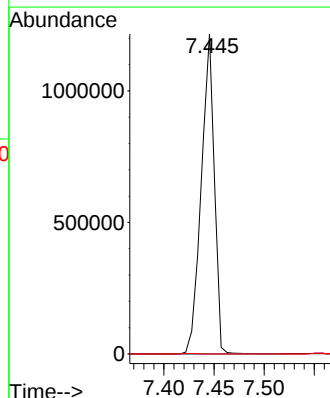
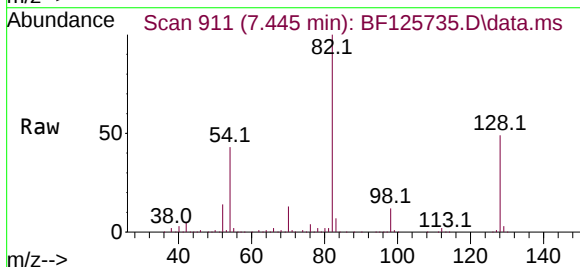
Tgt Ion: 82 Resp: 1109540

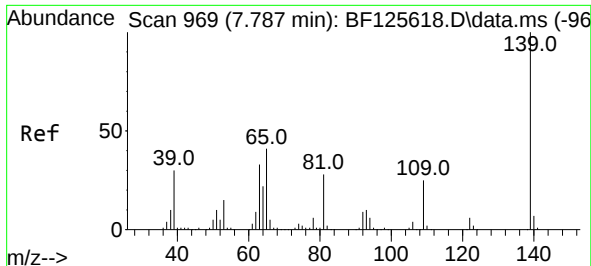
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

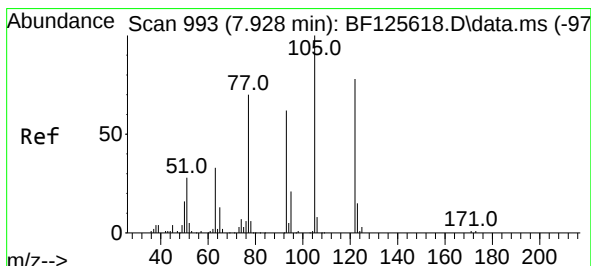
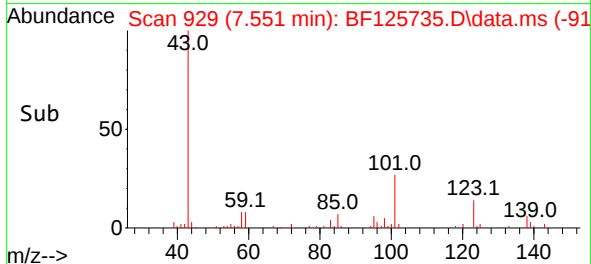
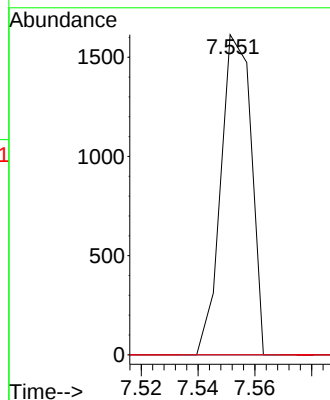
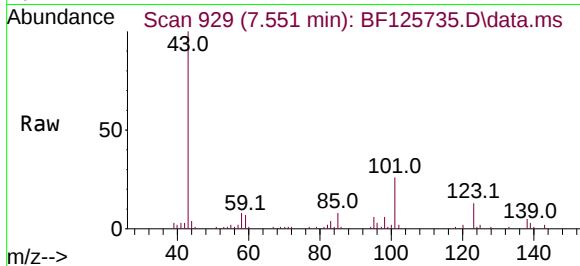




#26  
2-Nitrophenol  
Concen: 5.902 ng  
RT: 7.551 min Scan# 929  
Delta R.T. -0.236 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

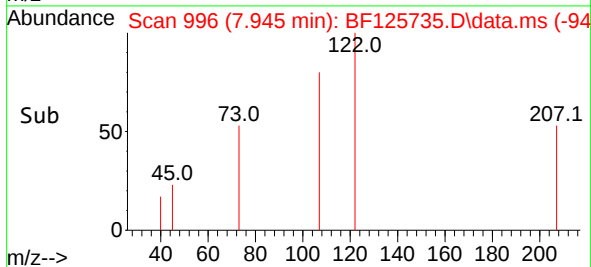
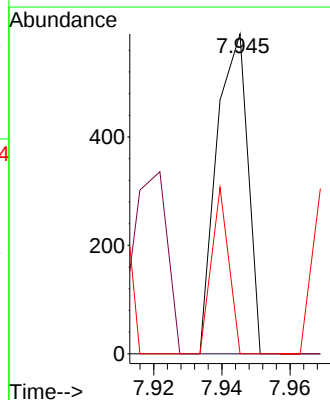
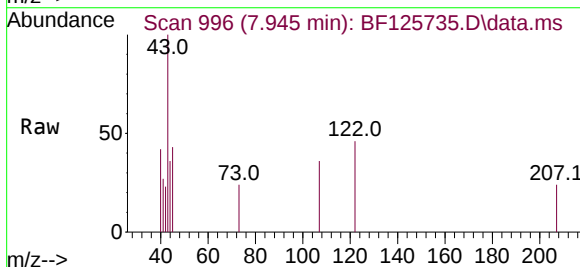
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

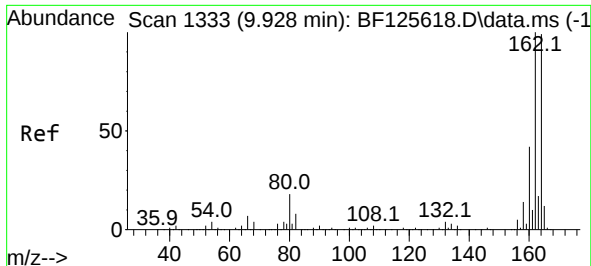
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 1199  |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 109      | 0.0   | 26.0  | 39.0# |
| 65       | 0.0   | 31.0  | 46.4# |



#32  
Benzoic acid  
Concen: 8.664 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.017 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 373    |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 0.0   | 97.6  | 137.6# |
| 77       | 0.0   | 59.6  | 99.6#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF125735.D

Acq: 30 Sep 2021 16:05

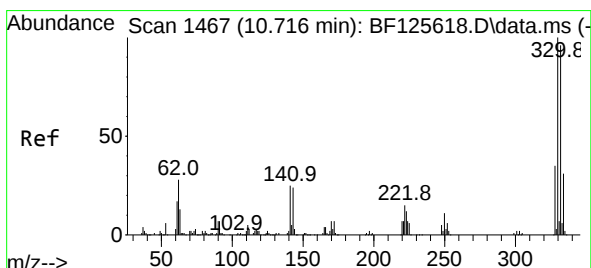
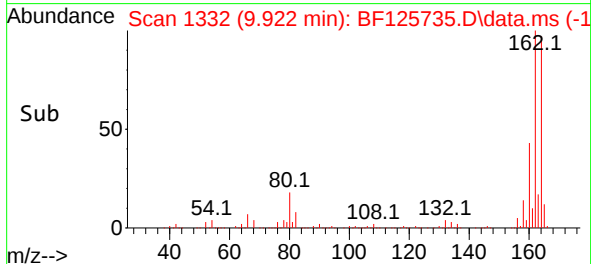
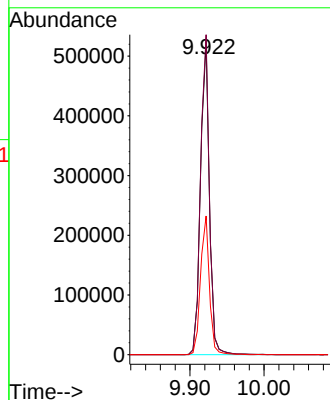
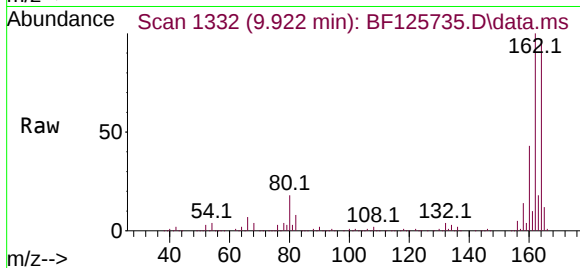
Tgt Ion:164 Resp: 438052

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

160 44.5 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 135.615 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF125735.D

Acq: 30 Sep 2021 16:05

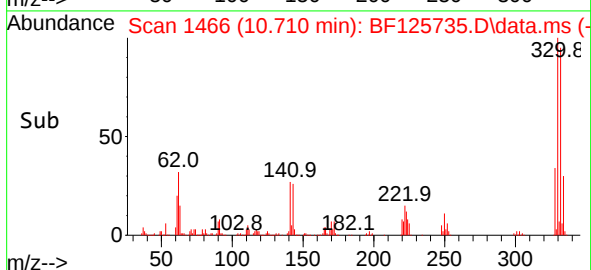
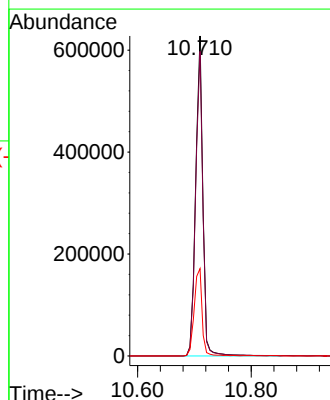
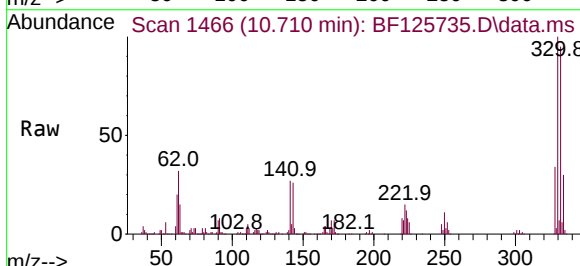
Tgt Ion:330 Resp: 553888

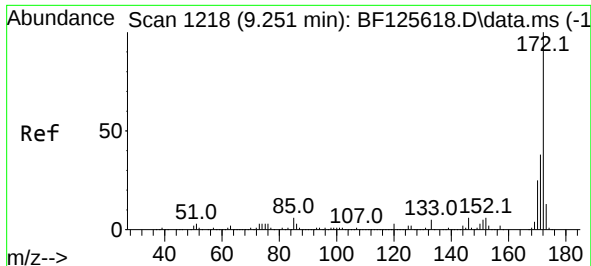
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

141 30.1 44.6 66.8#

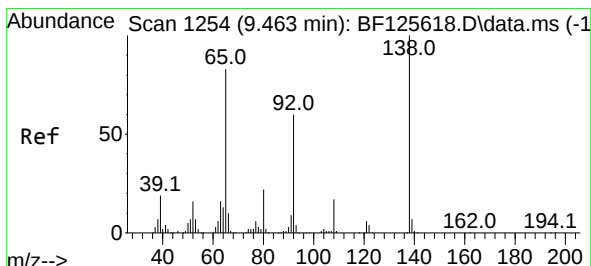
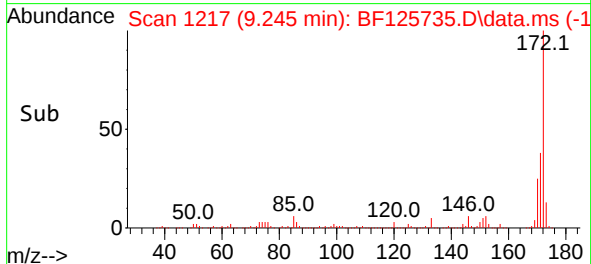
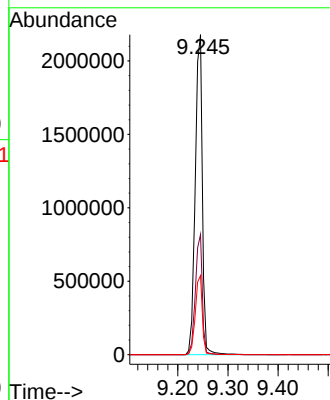
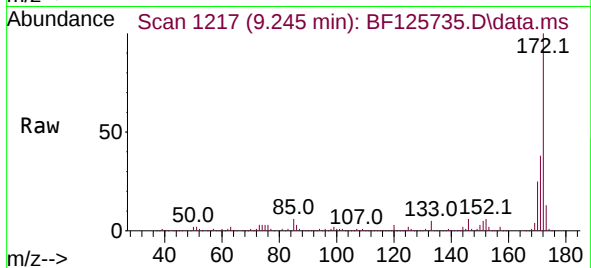




#45  
2-Fluorobiphenyl  
Concen: 88.392 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

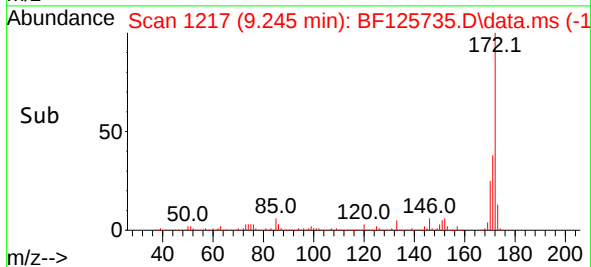
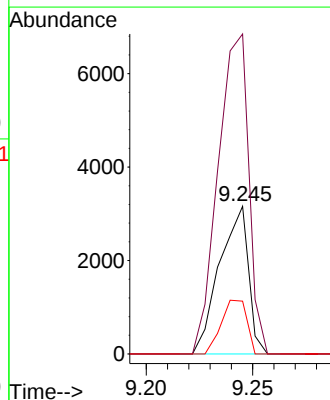
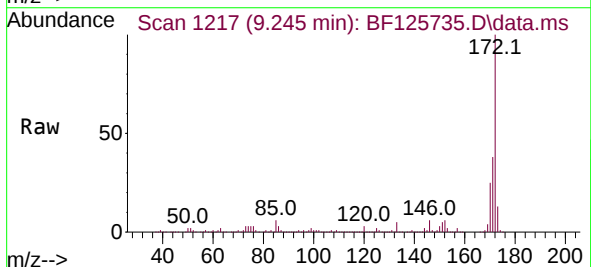
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

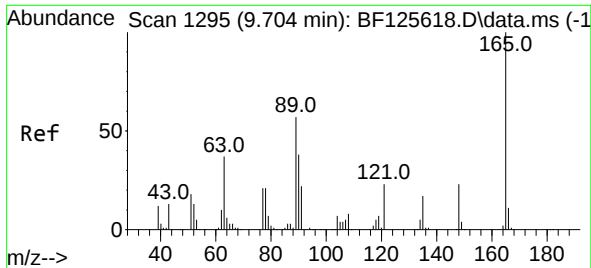
Tgt Ion:172 Resp: 2141922  
Ion Ratio Lower Upper  
172 100  
171 37.5 26.5 39.7  
170 24.7 18.8 28.2



#48  
2-Nitroaniline  
Concen: 4.590 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.218 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion: 65 Resp: 2988  
Ion Ratio Lower Upper  
65 100  
92 216.7 55.5 83.3#  
138 35.7 93.5 140.3#

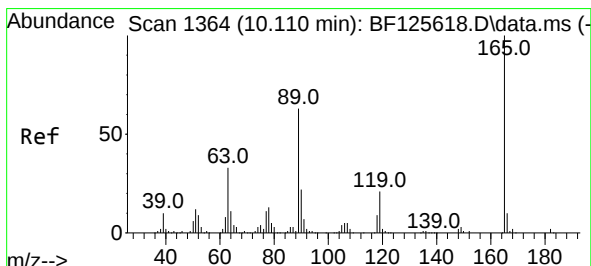
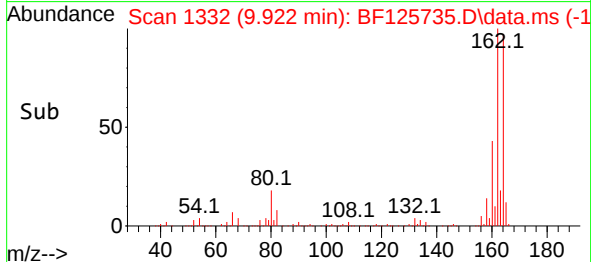
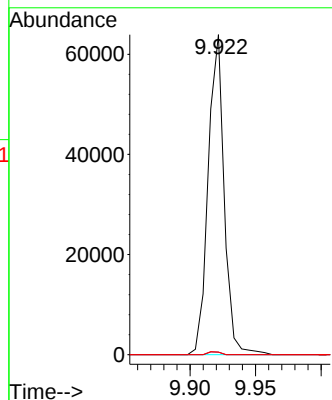
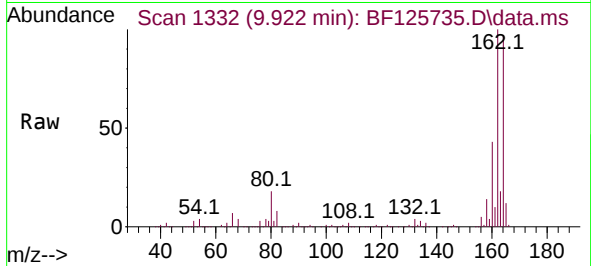




#51  
2,6-Dinitrotoluene  
Concen: 12.383 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.218 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

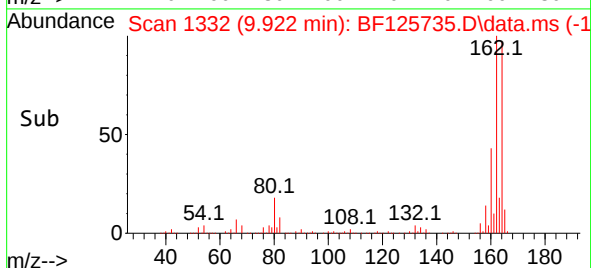
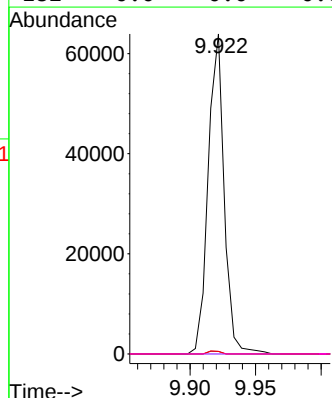
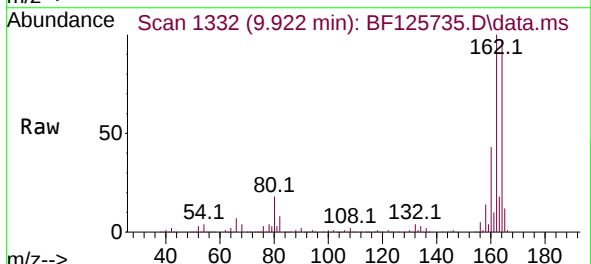
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

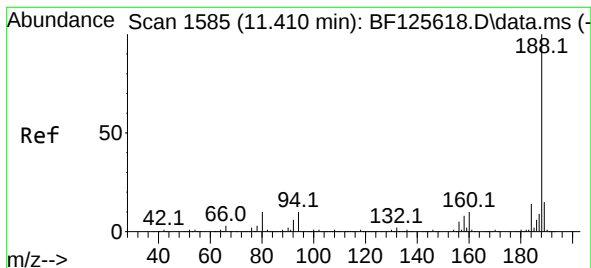
Tgt Ion:165 Resp: 54354  
Ion Ratio Lower Upper  
165 100  
63 0.8 42.6 63.8#  
89 0.8 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 11.326 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.188 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion:165 Resp: 54354  
Ion Ratio Lower Upper  
165 100  
63 0.8 40.9 61.3#  
89 0.8 59.7 89.5#  
182 0.0 0.0 0.0

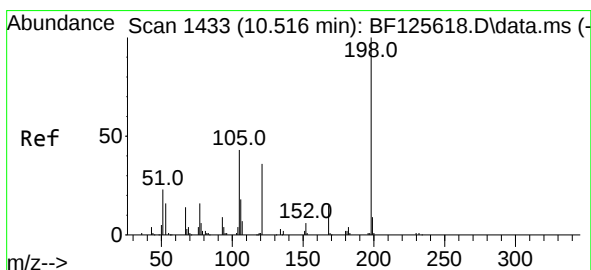
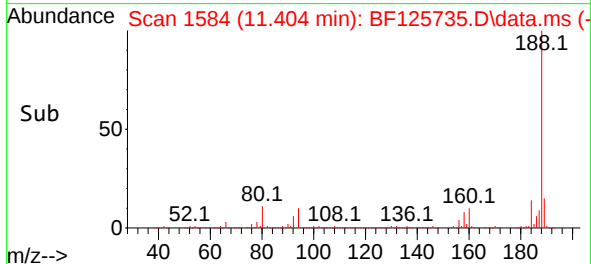
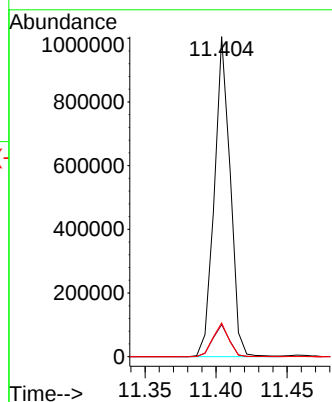
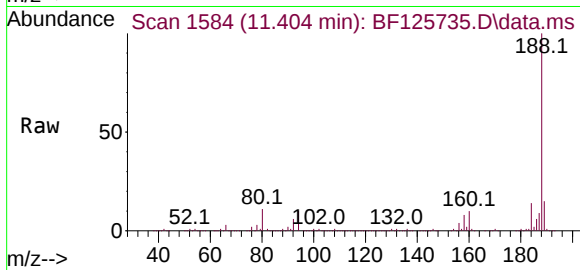




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

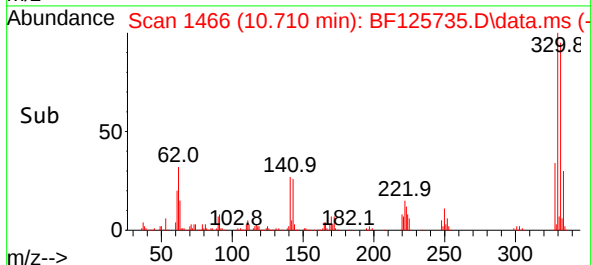
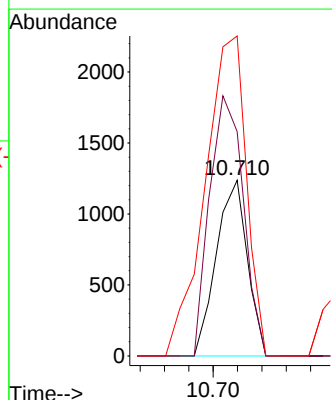
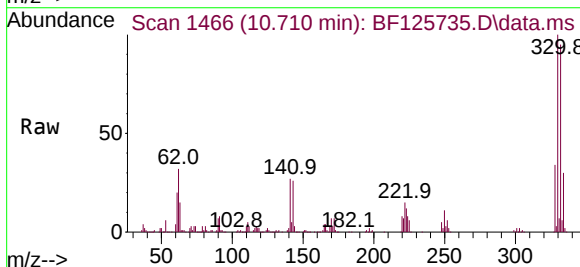
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

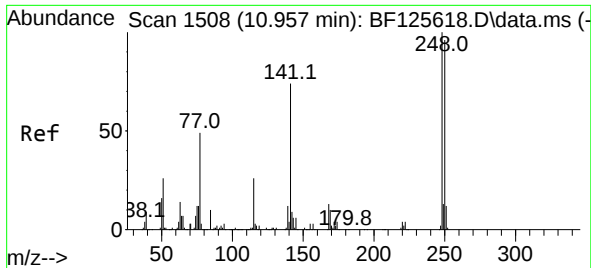
Tgt Ion:188 Resp: 779325  
Ion Ratio Lower Upper  
188 100  
94 10.0 6.7 10.1  
80 10.5 7.5 11.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.247 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. 0.194 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion:198 Resp: 1092  
Ion Ratio Lower Upper  
198 100  
51 127.7 45.3 85.3#  
105 182.2 30.6 70.6#

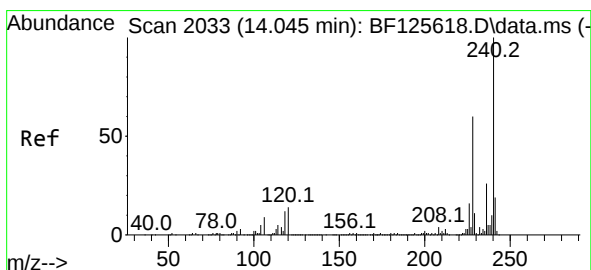
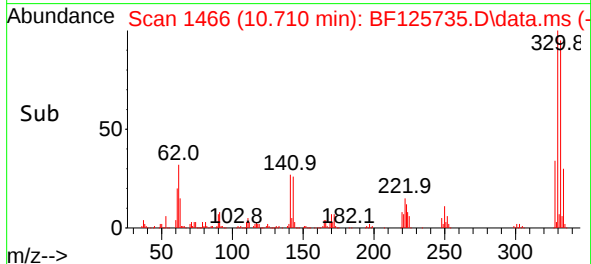
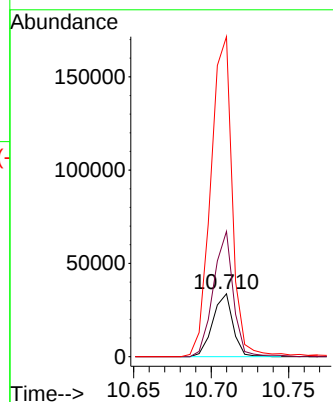
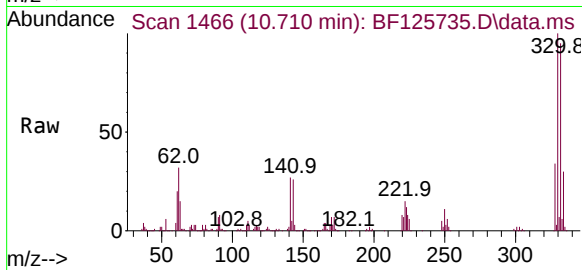




#67  
4-Bromophenyl-phenylether  
Concen: 3.744 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

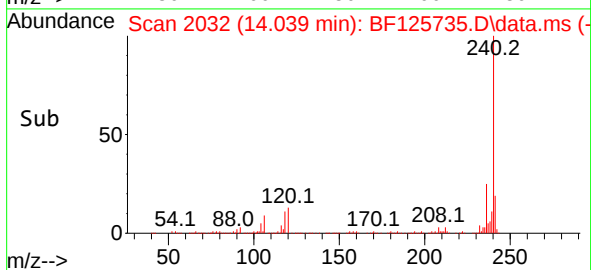
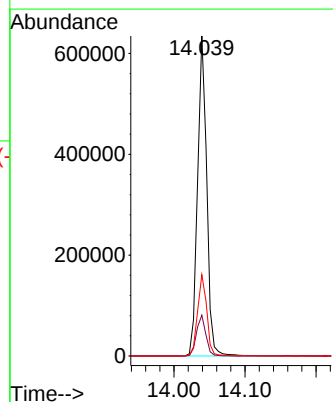
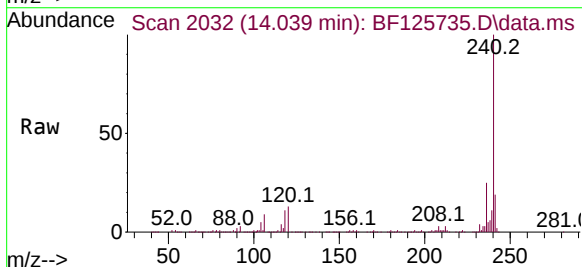
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

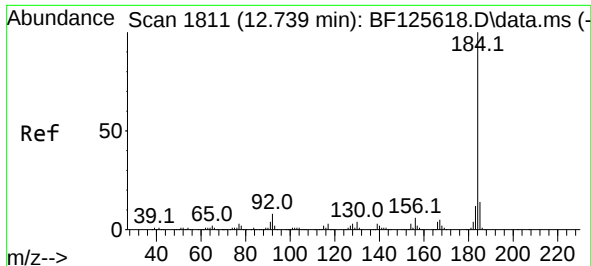
Tgt Ion:248 Resp: 30621  
Ion Ratio Lower Upper  
248 100  
250 199.3 74.2 111.4#  
141 509.1 60.4 90.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion:240 Resp: 571378  
Ion Ratio Lower Upper  
240 100  
120 12.8 10.8 16.2  
236 25.4 21.6 32.4

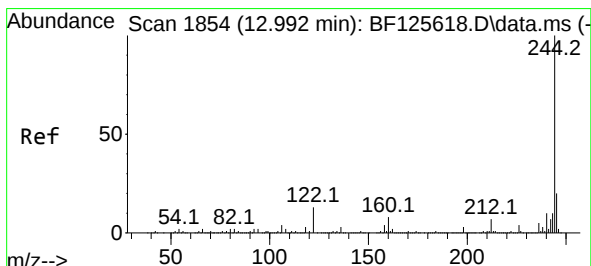
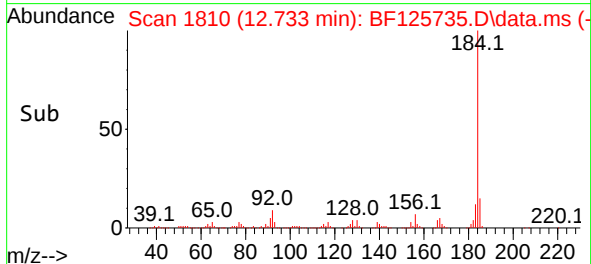
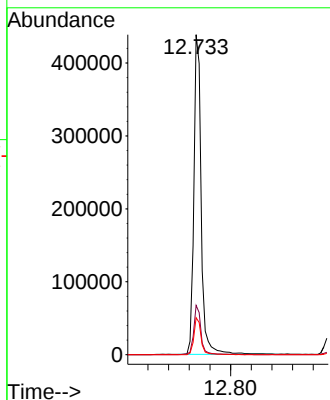
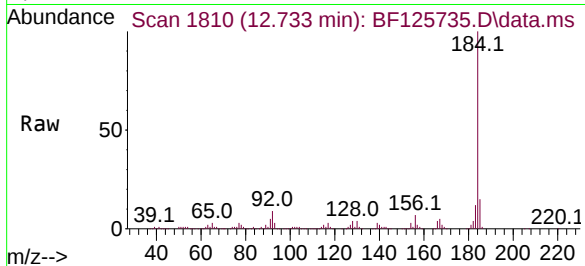




#77  
Benzidine  
Concen: 28.751 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

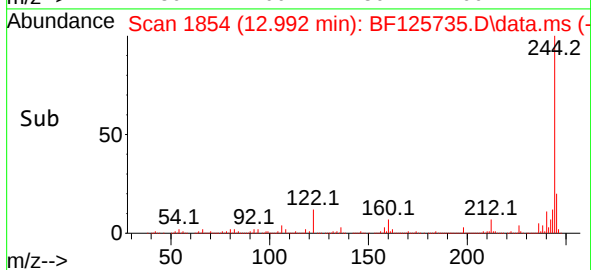
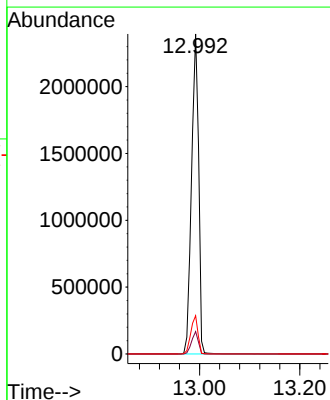
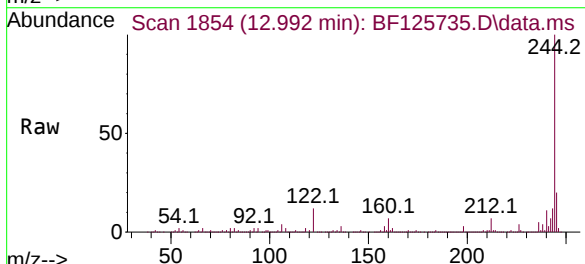
Instrument :  
BNA\_F  
ClientSampleId :  
RO-COMP-1

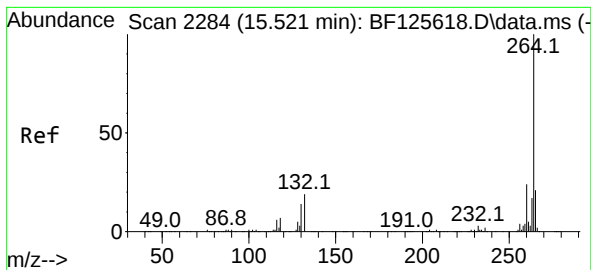
Tgt Ion:184 Resp: 431564  
Ion Ratio Lower Upper  
184 100  
185 15.4 10.8 16.2  
183 11.6 8.1 12.1



#79  
Terphenyl-d14  
Concen: 71.093 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: BF125735.D  
Acq: 30 Sep 2021 16:05

Tgt Ion:244 Resp: 2345648  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 12.0 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: BF125735.D  
 Acq: 30 Sep 2021 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-COMP-1

Tgt Ion:264 Resp: 441343  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.6 29.4  
 265 20.8 17.2 25.8

