

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092921\  
 Data File : BF125714.D  
 Acq On : 29 Sep 2021 18:19  
 Operator : JU/CG  
 Sample : M3964-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CC-3

Quant Time: Sep 30 03:27:45 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

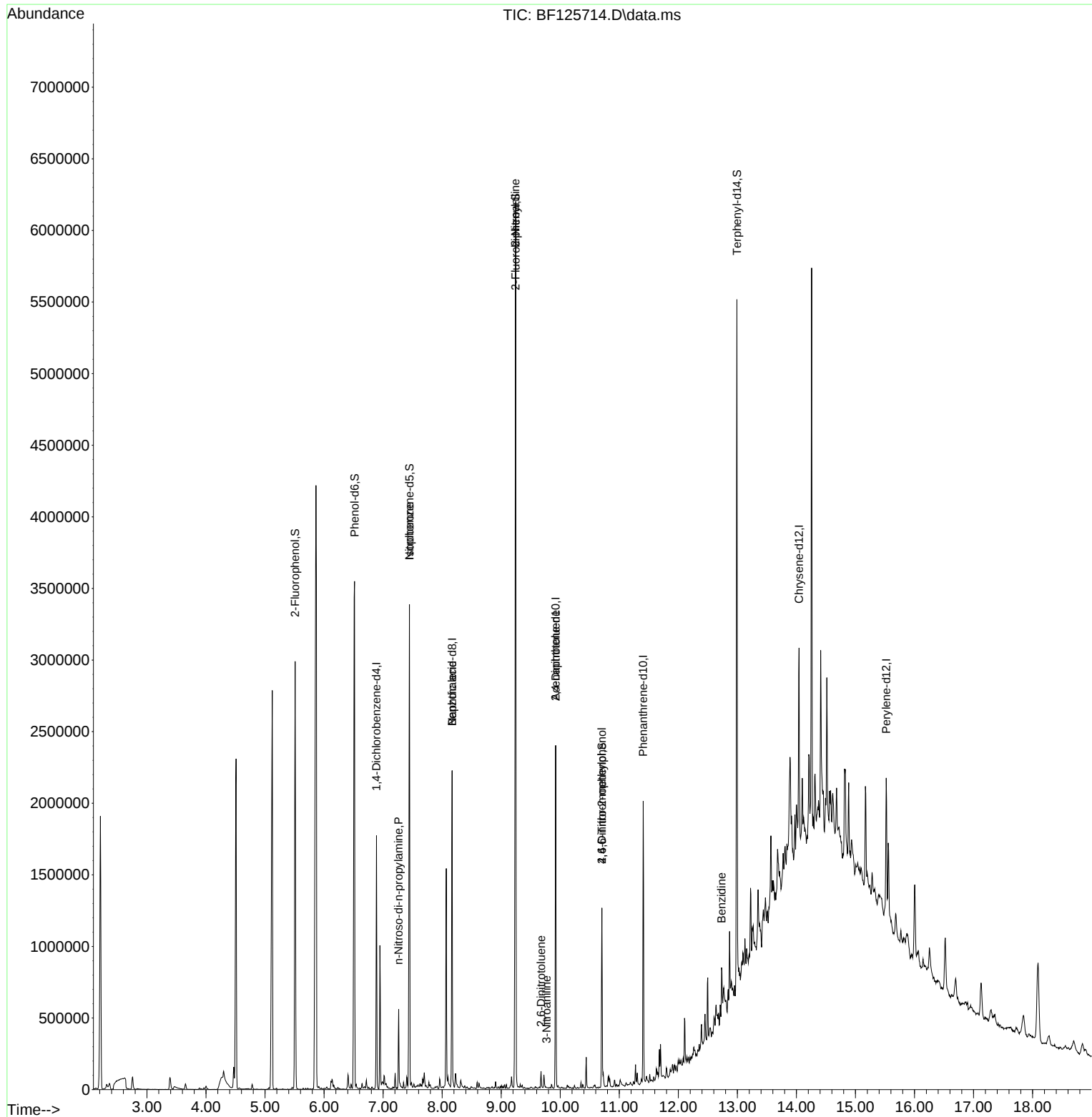
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 240770   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 973936   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 473749   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 693316   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.045 | 240  | 474916   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 463371   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1014158  | 69.398    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1615102  | 82.206    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1048666  | 75.102    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 142901   | 32.352    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1994024  | 73.878    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1628309  | 59.376    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.434  | 77   | 778      | Below Cal | #     | 70       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 39912    | 3.568     | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 1044750  | 33.409    | ng    | # 59     |
| 32) Benzoic acid              | 8.169  | 122  | 120      | 8.638     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.239  | 65   | 5315     | 4.869     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.674  | 165  | 4410     | 4.738     | ng    | # 46     |
| 53) 3-Nitroaniline            | 9.769  | 138  | 2934     | 3.513     | ng    | # 9      |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 59720    | 11.430    | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.704 | 198  | 354      | 9.098     | ng    | # 1      |
| 77) Benzidine                 | 12.733 | 184  | 107356   | 8.605     | ng    | # 95     |
| -----                         |        |      |          |           |       |          |

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

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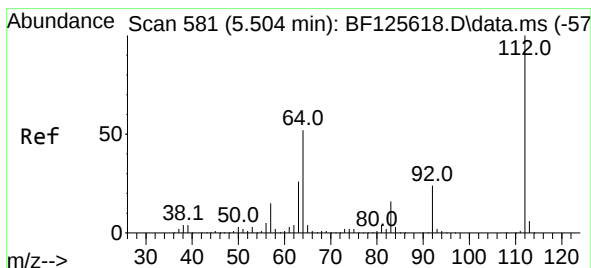
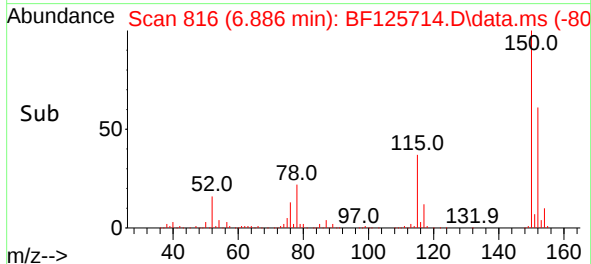
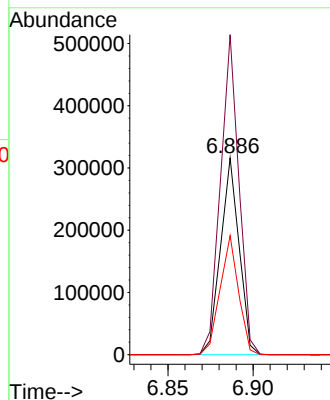
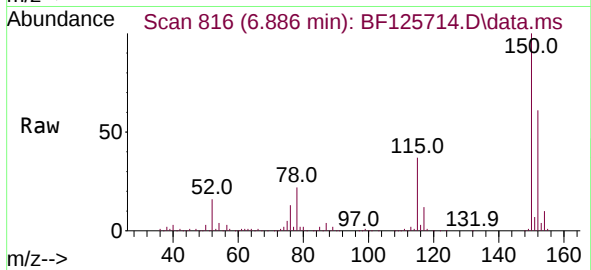




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

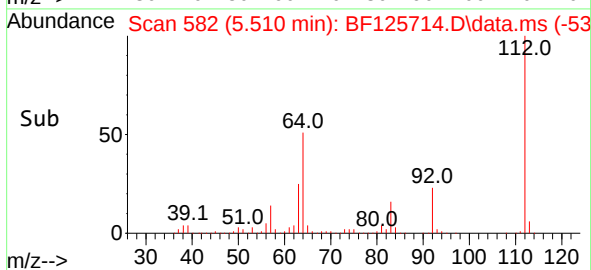
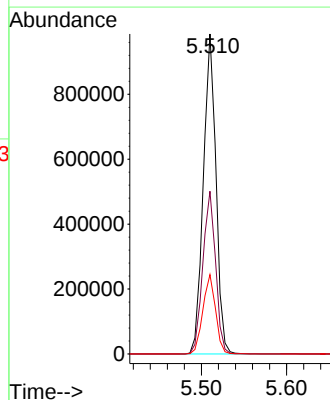
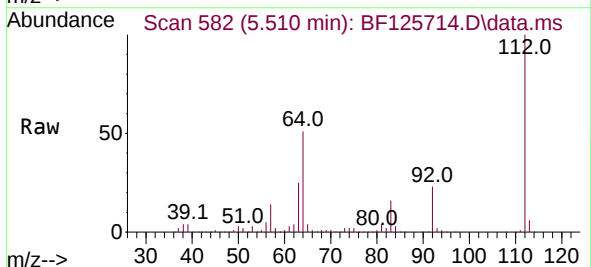
Instrument :  
BNA\_F  
ClientSampleId :  
CC-3

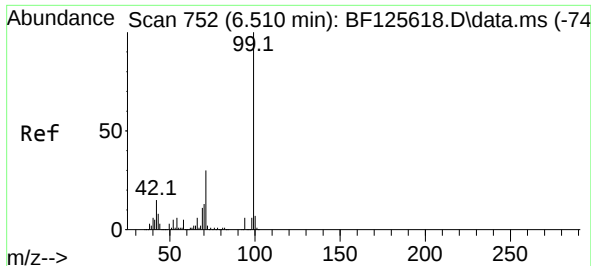
Tgt Ion:152 Resp: 240770  
Ion Ratio Lower Upper  
152 100  
150 162.7 117.6 176.4  
115 60.5 47.1 70.7



#5  
2-Fluorophenol  
Concen: 69.398 ng  
RT: 5.510 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:112 Resp: 1014158  
Ion Ratio Lower Upper  
112 100  
64 50.8 44.2 66.2  
63 24.8 26.2 39.2#

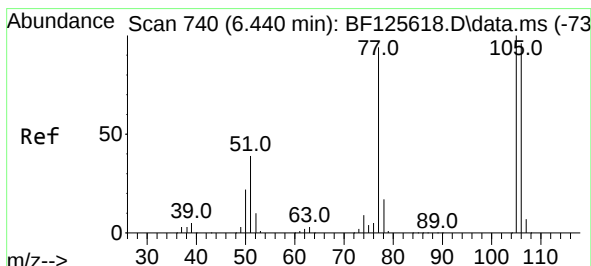
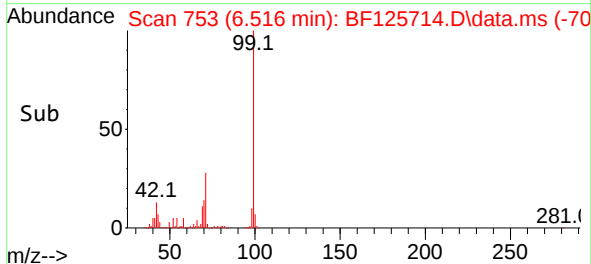
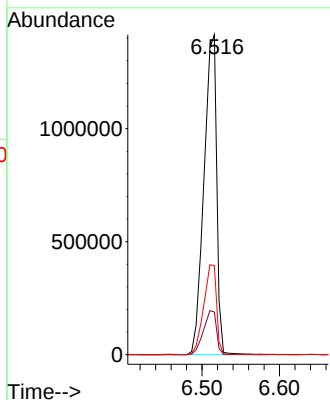
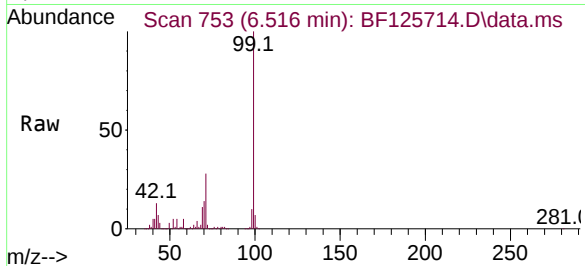




#7  
Phenol-d6  
Concen: 82.206 ng  
RT: 6.516 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

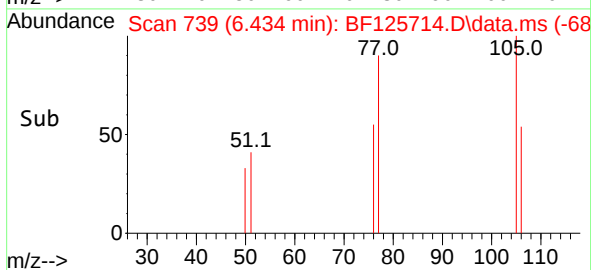
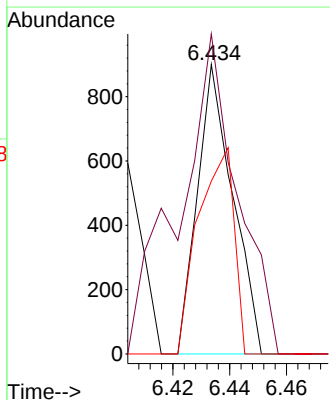
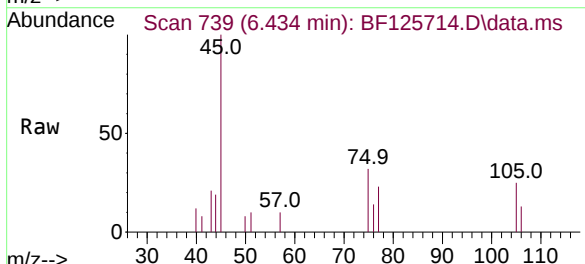
Instrument :  
BNA\_F  
ClientSampled :  
CC-3

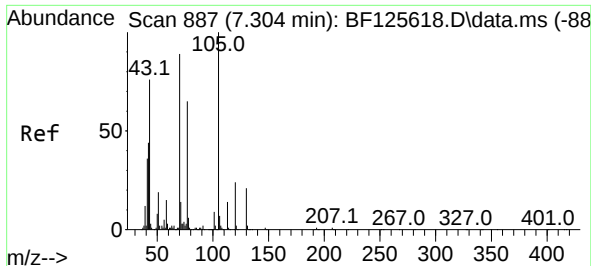
Tgt Ion: 99 Resp: 1615102  
Ion Ratio Lower Upper  
99 100  
42 13.4 23.5 35.3#  
71 27.9 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.434 min Scan# 739  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

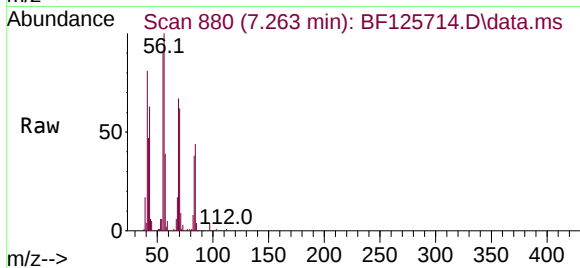
Tgt Ion: 77 Resp: 778  
Ion Ratio Lower Upper  
77 100  
105 110.6 75.9 115.9  
106 59.7 84.0 124.0#



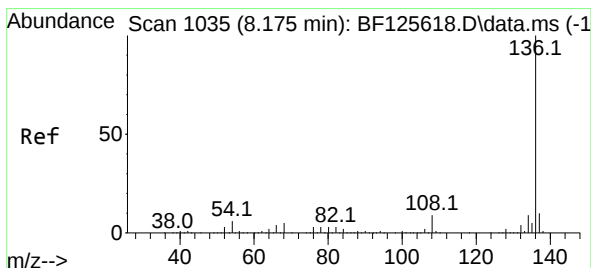
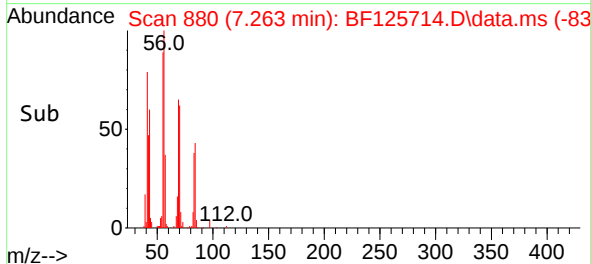
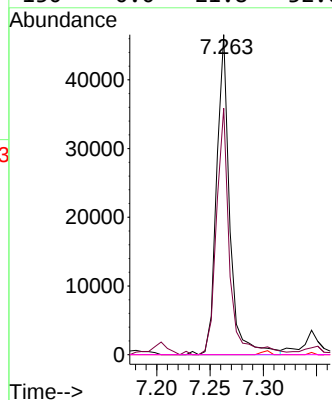


#19  
n-Nitroso-di-n-propylamine  
Concen: 3.568 ng  
RT: 7.263 min Scan# 880  
Delta R.T. -0.041 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Instrument :  
BNA\_F  
ClientSampled :  
CC-3

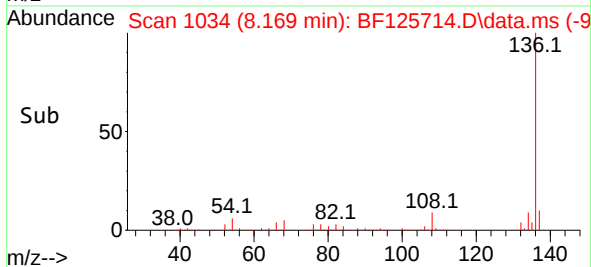
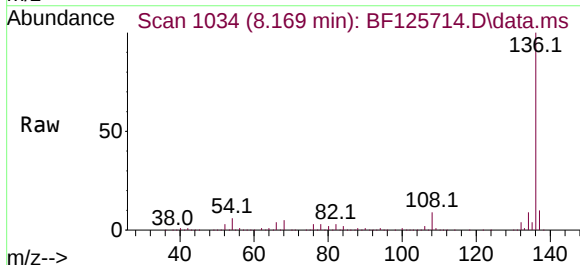
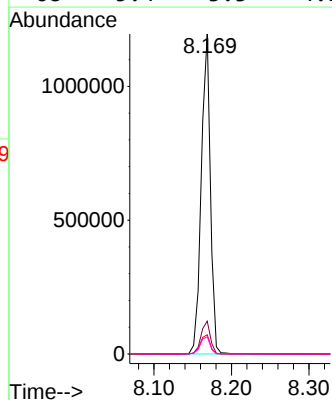


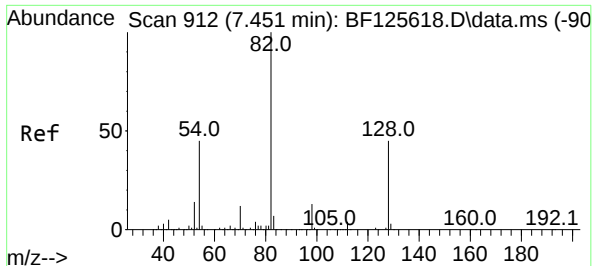
| Tgt Ion | 70    | Resp  | 39912 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 70      | 100   |       |       |
| 42      | 77.0  | 72.2  | 108.2 |
| 101     | 0.0   | 7.8   | 11.8# |
| 130     | 0.0   | 21.8  | 32.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

| Tgt Ion | 136   | Resp  | 973936 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 136     | 100   |       |        |
| 137     | 10.2  | 9.8   | 14.6   |
| 54      | 6.0   | 6.4   | 9.6#   |
| 68      | 5.4   | 3.3   | 4.9#   |





#23

Nitrobenzene-d5

Concen: 75.102 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125714.D

Acq: 29 Sep 2021 18:19

Instrument :

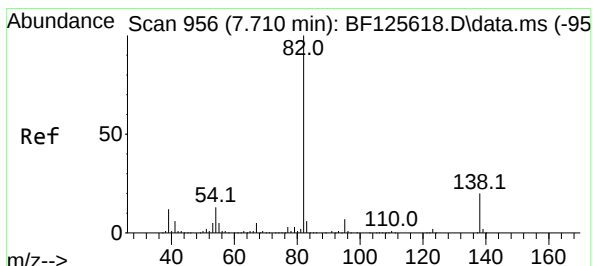
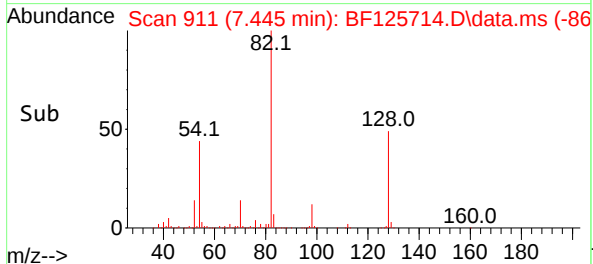
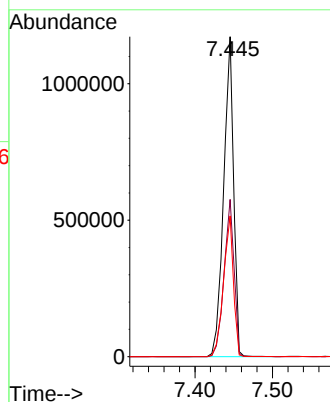
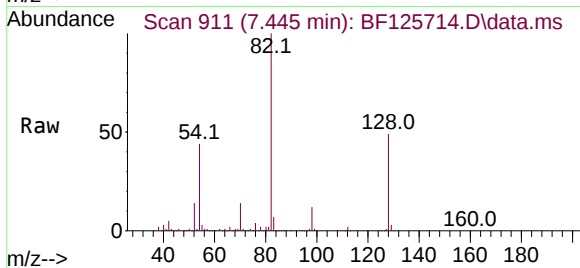
BNA\_F

ClientSampleId :

CC-3

Tgt Ion: 82 Resp: 1048666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 49.1  | 40.6  | 60.8  |
| 54  | 44.0  | 49.6  | 74.4# |



#25

Isophorone

Concen: 33.409 ng

RT: 7.445 min Scan# 911

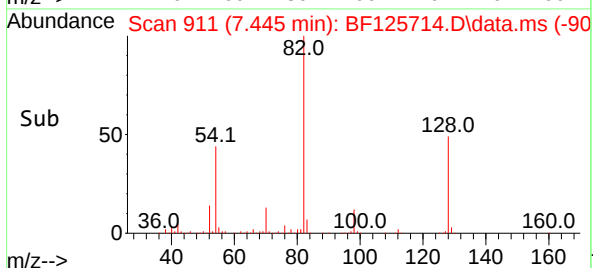
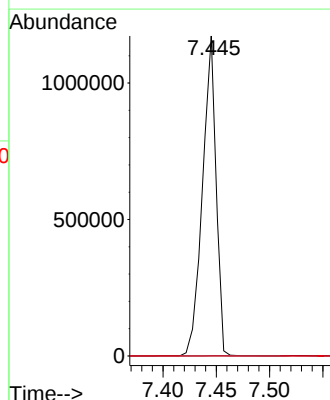
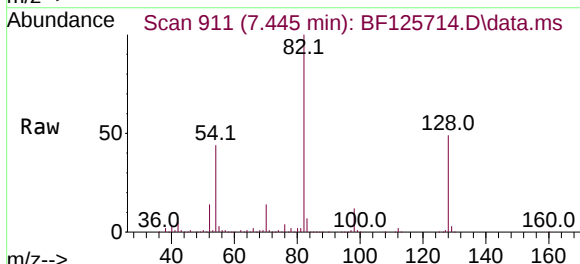
Delta R.T. -0.265 min

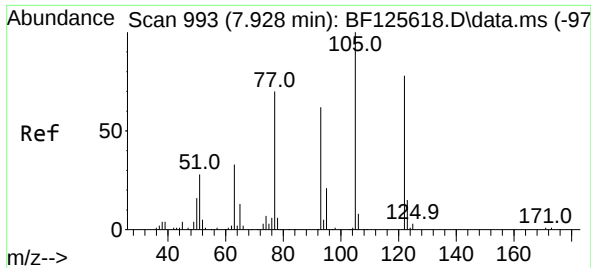
Lab File: BF125714.D

Acq: 29 Sep 2021 18:19

Tgt Ion: 82 Resp: 1044750

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.1   | 6.5   | 9.7#  |
| 138 | 0.0   | 18.4  | 27.6# |

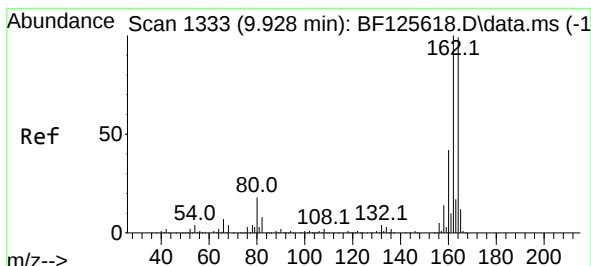
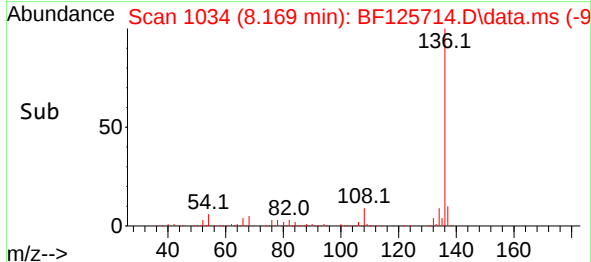
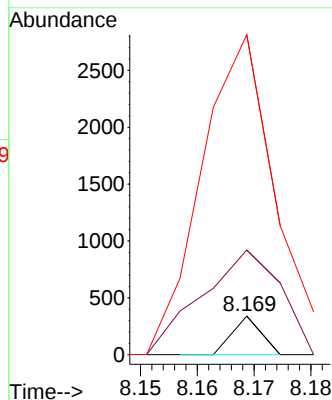
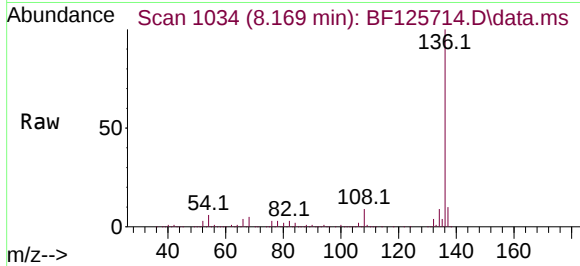




#32  
Benzoic acid  
Concen: 8.638 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. 0.241 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

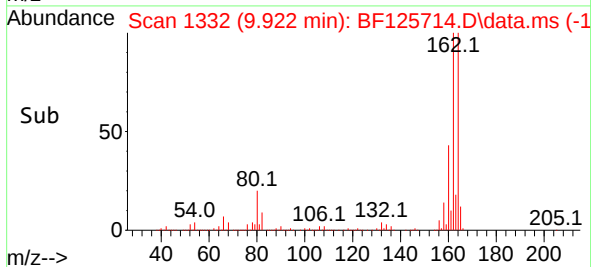
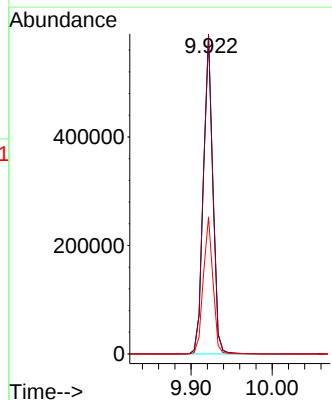
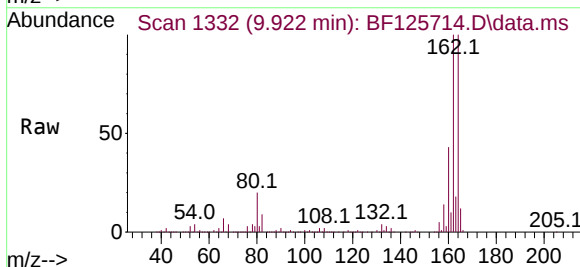
Instrument :  
BNA\_F  
ClientSampleId :  
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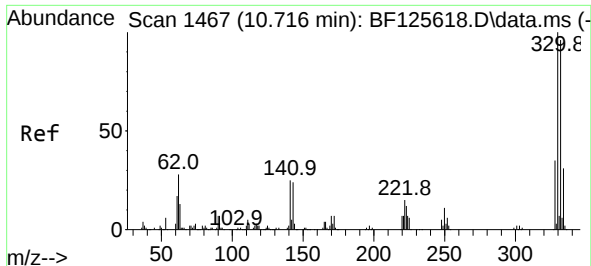
Tgt Ion:122 Resp: 120  
Ion Ratio Lower Upper  
122 100  
105 271.4 97.6 137.6#  
77 830.1 59.6 99.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:164 Resp: 473749  
Ion Ratio Lower Upper  
164 100  
162 100.5 81.3 121.9  
160 43.1 38.0 57.0

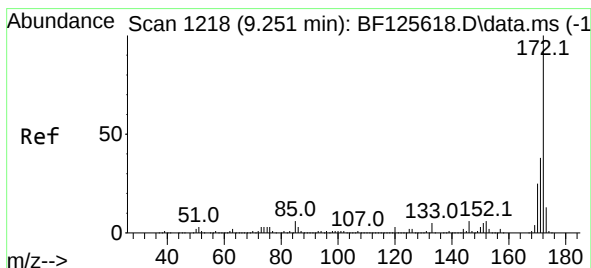
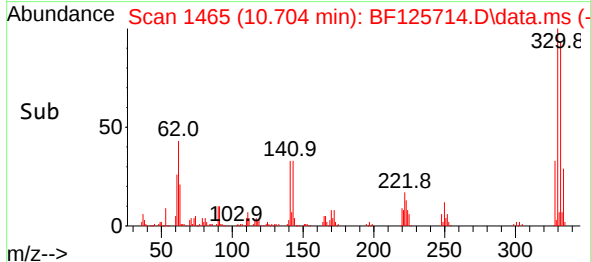
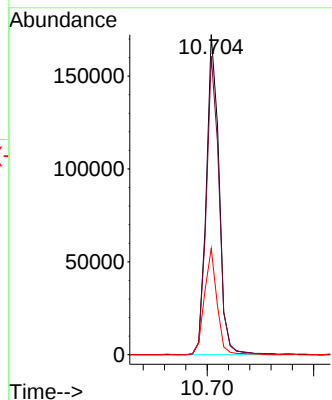
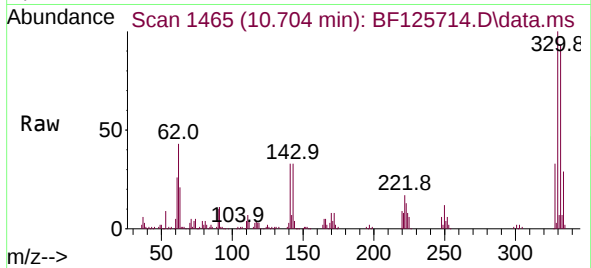




#42  
2,4,6-Tribromophenol  
Concen: 32.352 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.012 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

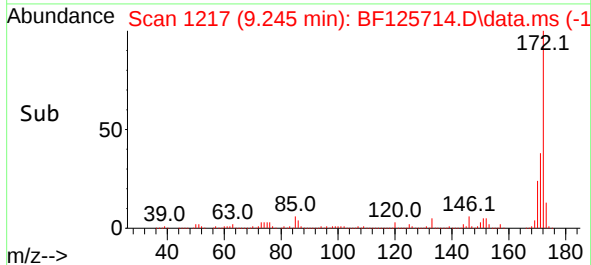
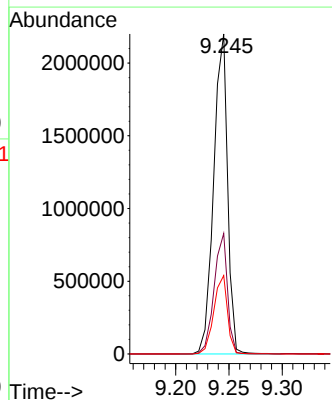
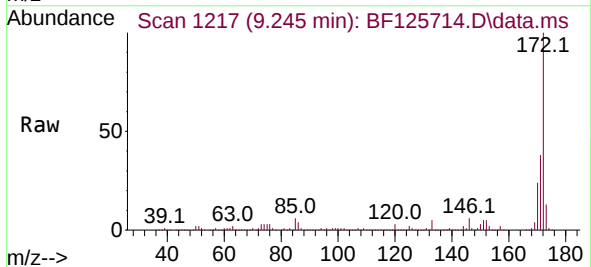
Instrument :  
BNA\_F  
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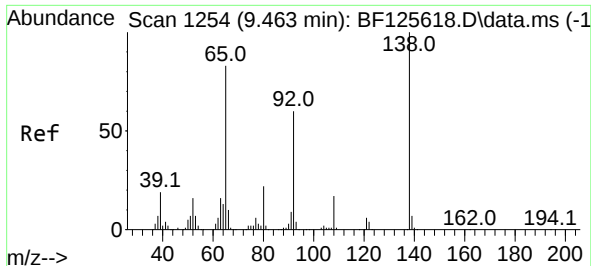
Tgt Ion: 330 Resp: 142901  
Ion Ratio Lower Upper  
330 100  
332 93.5 76.2 114.4  
141 32.8 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 73.878 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion: 172 Resp: 1994024  
Ion Ratio Lower Upper  
172 100  
171 37.6 26.5 39.7  
170 24.5 18.8 28.2

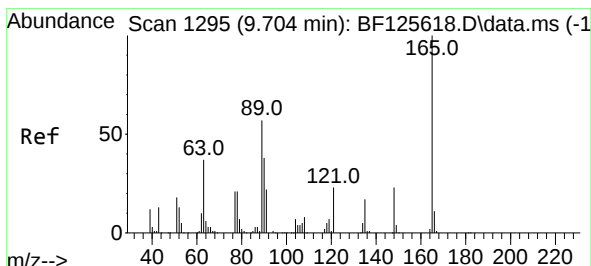
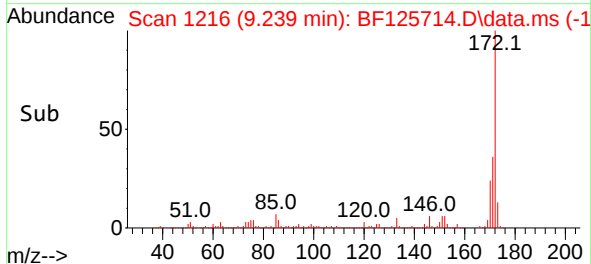
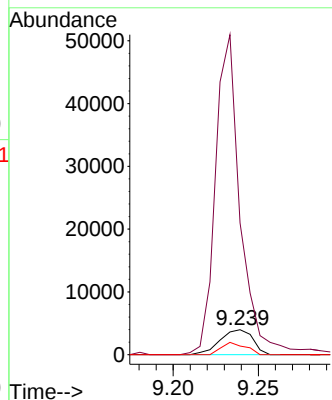
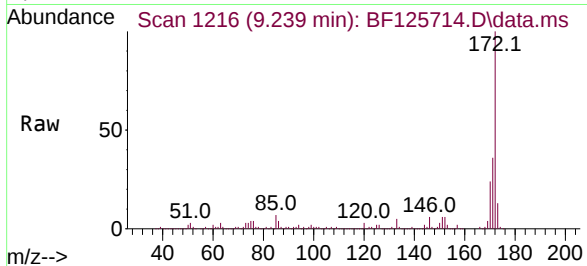




#48  
2-Nitroaniline  
Concen: 4.869 ng  
RT: 9.239 min Scan# 1216  
Delta R.T. -0.224 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

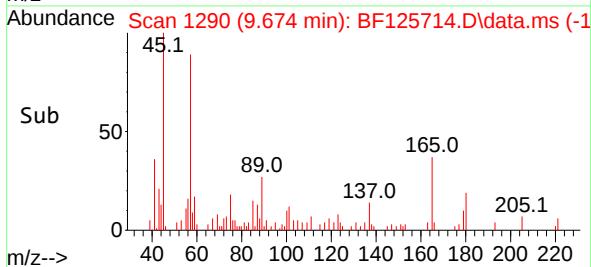
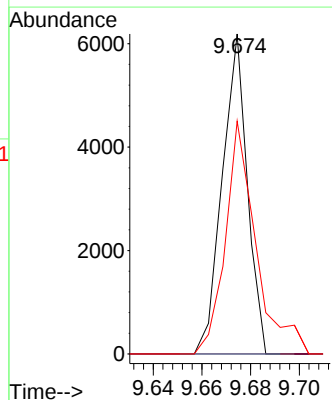
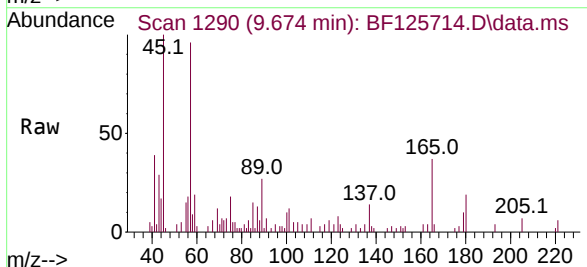
Instrument :  
BNA\_F  
ClientSampled :  
CC-3

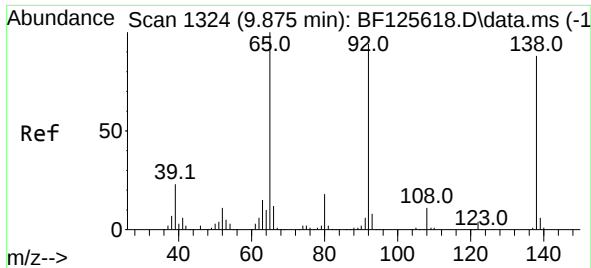
Tgt Ion: 65 Resp: 5315  
Ion Ratio Lower Upper  
65 100  
92 526.8 55.5 83.3#  
138 34.8 93.5 140.3#



#51  
2,6-Dinitrotoluene  
Concen: 4.738 ng  
RT: 9.674 min Scan# 1290  
Delta R.T. -0.030 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion: 165 Resp: 4410  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 72.8 40.6 60.8#

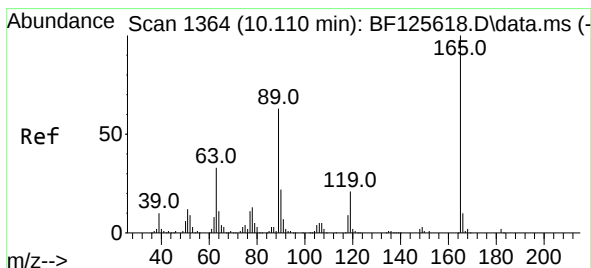
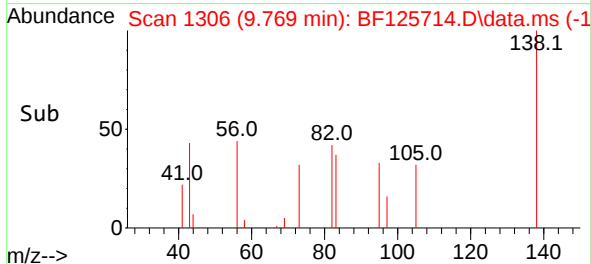
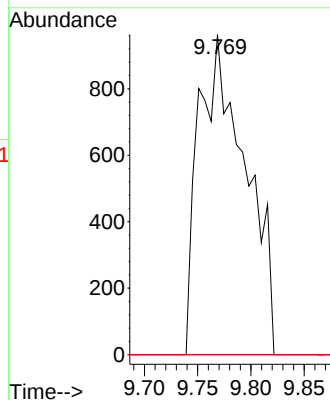
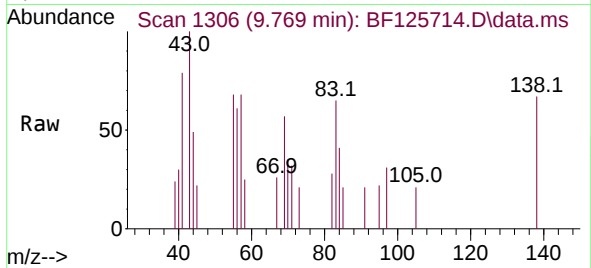




#53  
3-Nitroaniline  
Concen: 3.513 ng  
RT: 9.769 min Scan# 1306  
Delta R.T. -0.106 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

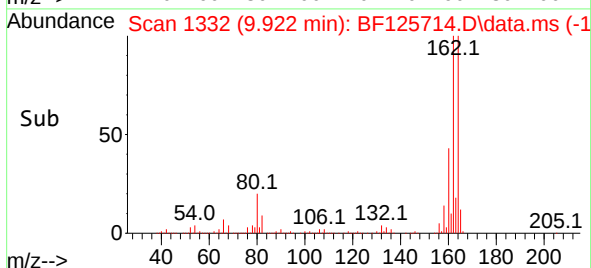
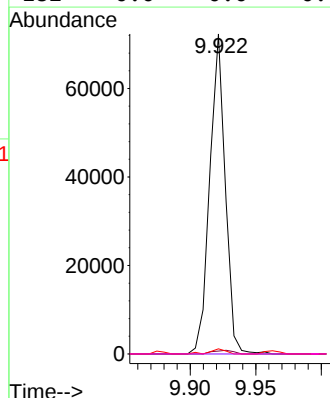
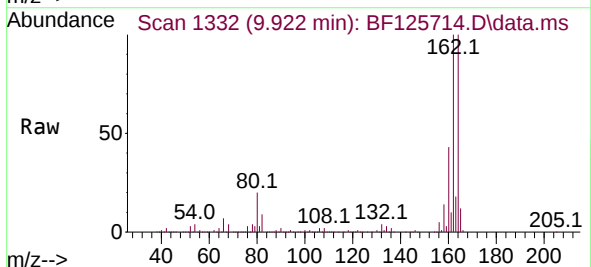
Instrument :  
BNA\_F  
ClientSampleId :  
CC-3

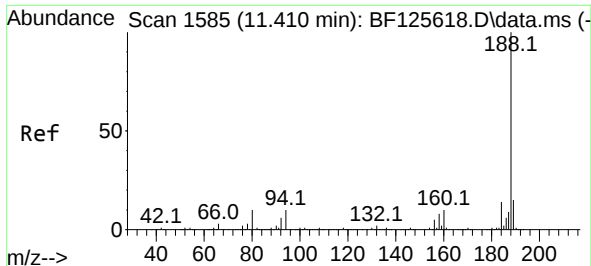
Tgt Ion:138 Resp: 2934  
Ion Ratio Lower Upper  
138 100  
108 0.0 9.3 13.9#  
92 0.0 76.5 114.7#



#57  
2,4-Dinitrotoluene  
Concen: 11.430 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.188 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:165 Resp: 59720  
Ion Ratio Lower Upper  
165 100  
63 0.9 40.9 61.3#  
89 1.6 59.7 89.5#  
182 0.0 0.0 0.0

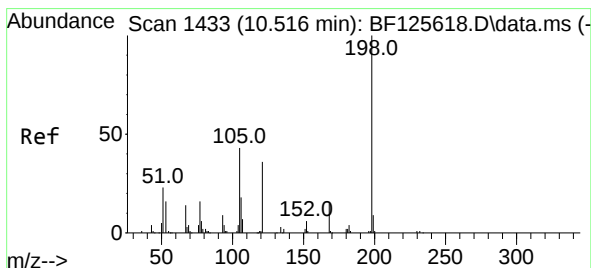
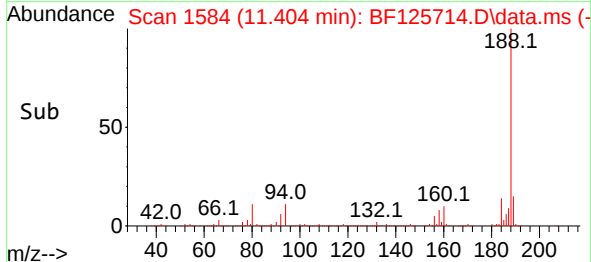
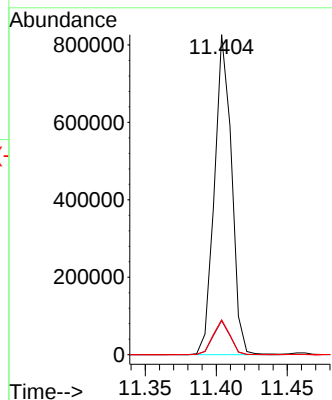
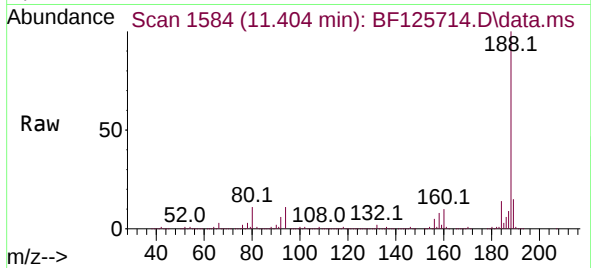




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

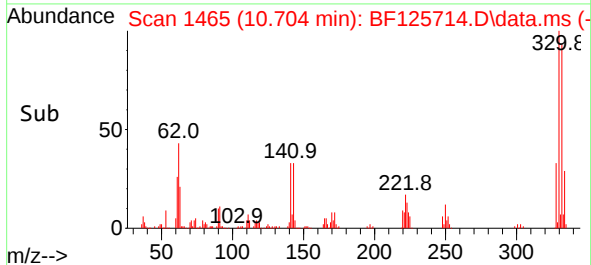
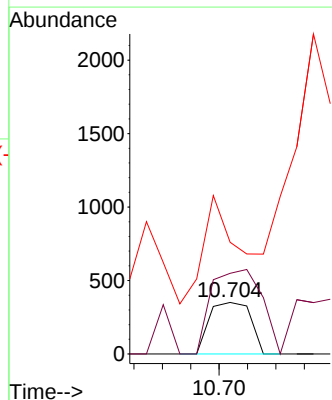
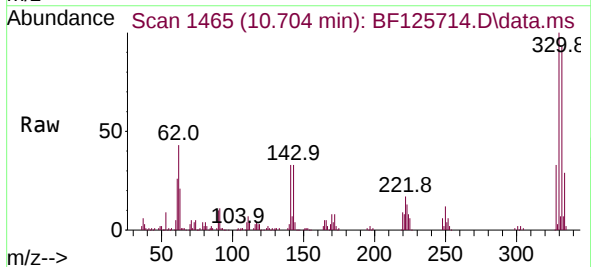
Instrument :  
BNA\_F  
ClientSampleId :  
CC-3

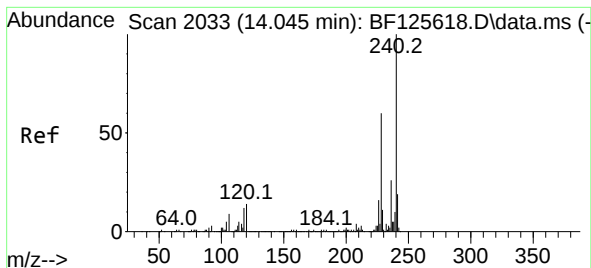
Tgt Ion:188 Resp: 693316  
Ion Ratio Lower Upper  
188 100  
94 10.6 6.7 10.1#  
80 10.9 7.5 11.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.098 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. 0.188 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:198 Resp: 354  
Ion Ratio Lower Upper  
198 100  
51 156.4 45.3 85.3#  
105 216.5 30.6 70.6#

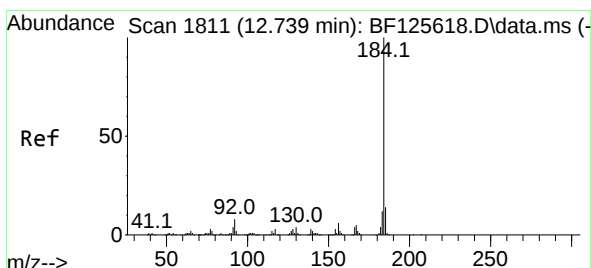
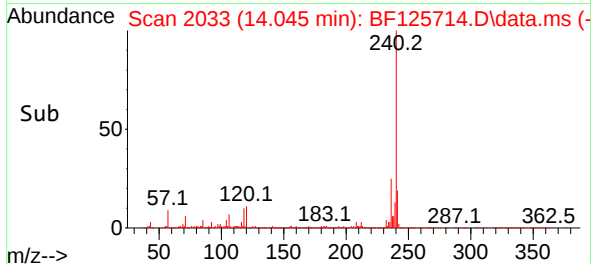
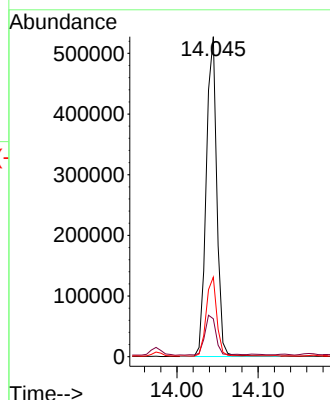
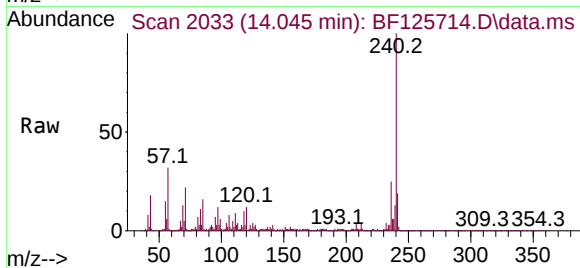




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

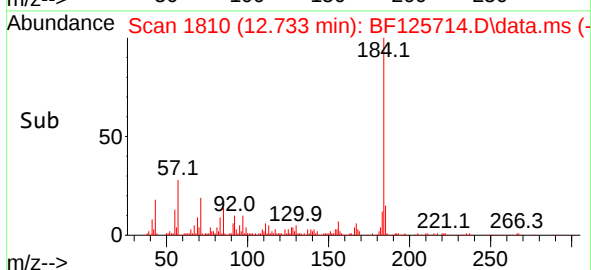
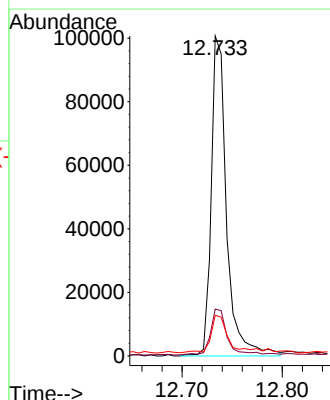
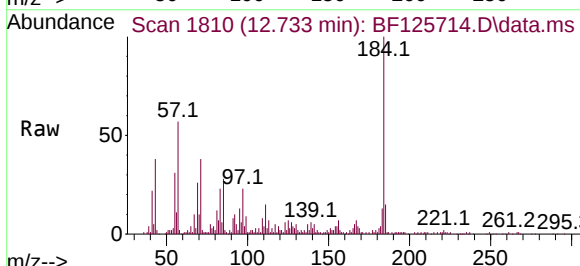
Instrument :  
BNA\_F  
ClientSampled :  
CC-3

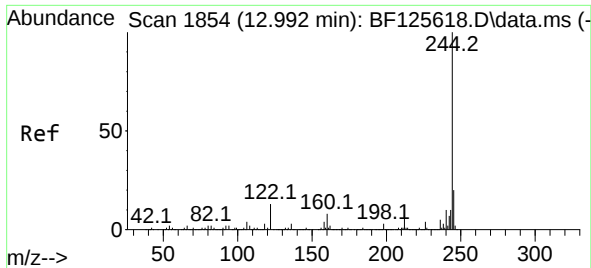
Tgt Ion:240 Resp: 474916  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.8 16.2  
236 24.8 21.6 32.4



#77  
Benzidine  
Concen: 8.605 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:184 Resp: 107356  
Ion Ratio Lower Upper  
184 100  
185 14.7 10.8 16.2  
183 12.7 8.1 12.1#

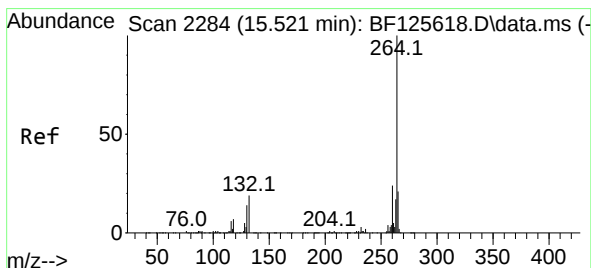
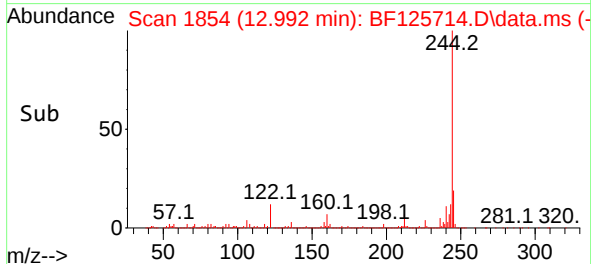
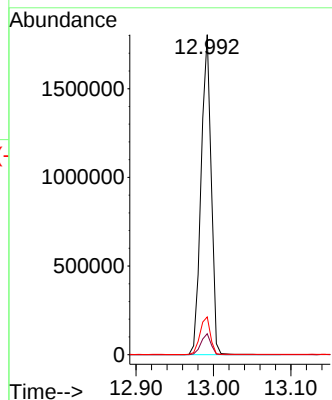
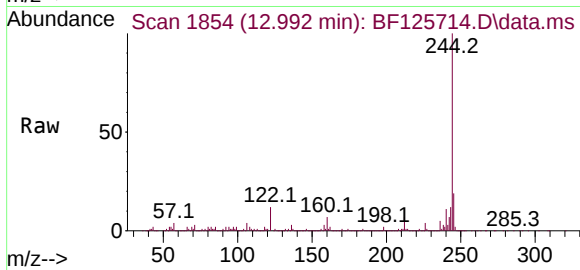




#79  
Terphenyl-d14  
Concen: 59.376 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
CC-3

Tgt Ion:244 Resp: 1628309  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.9 8.9  
122 11.8 9.0 13.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF125714.D  
Acq: 29 Sep 2021 18:19

Tgt Ion:264 Resp: 463371  
Ion Ratio Lower Upper  
264 100  
260 25.0 19.6 29.4  
265 21.9 17.2 25.8

