

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
 Data File : BF125630.D  
 Acq On : 24 Sep 2021 20:17  
 Operator : JU/CG  
 Sample : M3911-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-CB-04-(0.5)

Quant Time: Sep 25 03:01:01 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

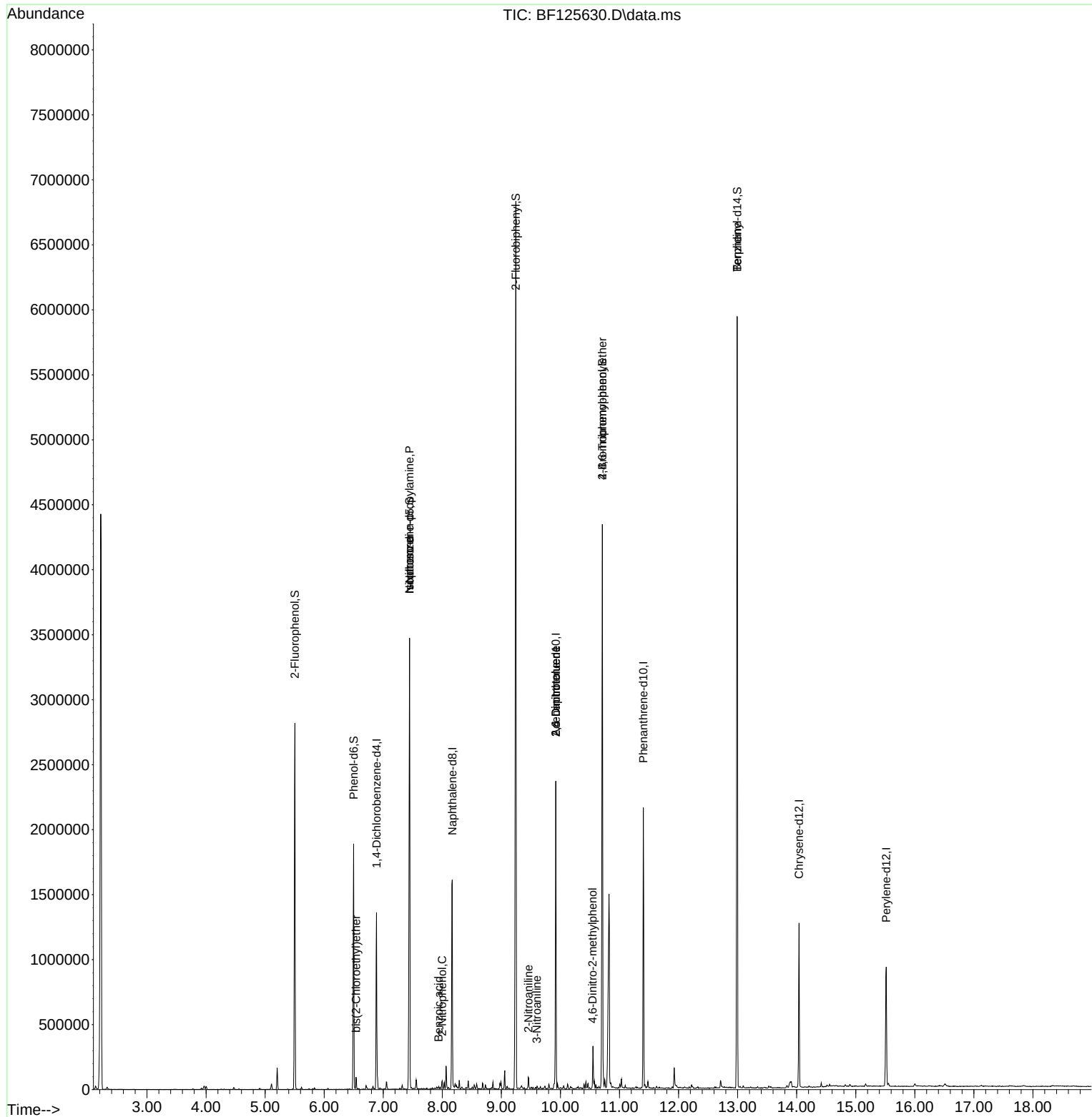
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 201546   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 828294   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 439202   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 748298   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 383250   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 397513   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 830074   | 67.856    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 627791   | 38.172    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1257260  | 105.873   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 579504   | 141.516   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2369397  | 99.164    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 2141986  | 96.788    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.434  | 77   | 250      | Below Cal | #     | 66       |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 32130    | 2.487     | ng    | # 26     |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 158361   | 16.912    | ng    | # 52     |
| 25) Isophorone                | 7.445  | 82   | 1253423  | 47.130    | ng    | # 59     |
| 26) 2-Nitrophenol             | 7.998  | 139  | 173      | 5.758     | ng    | # 1      |
| 32) Benzoic acid              | 7.939  | 122  | 4365     | 9.041     | ng    | # 17     |
| 48) 2-Nitroaniline            | 9.457  | 65   | 1578     | 4.385     | ng    | # 36     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 56075    | 12.622    | ng    | # 27     |
| 53) 3-Nitroaniline            | 9.598  | 138  | 870      | 3.261     | ng    | # 9      |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 56075    | 11.515    | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198  | 172      | 9.052     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 31783    | 4.047     | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 27564    | 2.738     | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

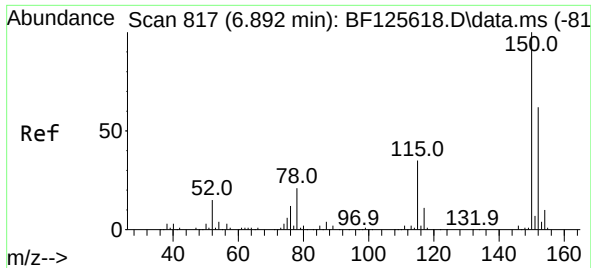
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
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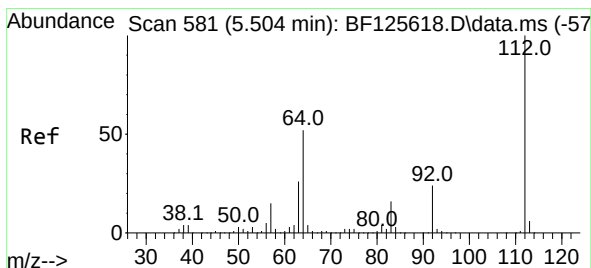
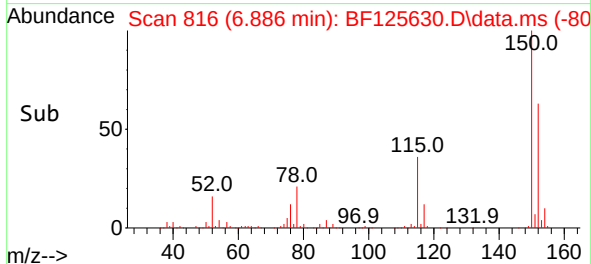
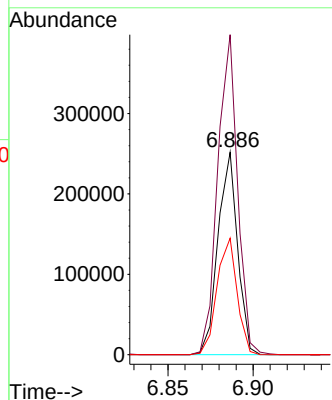
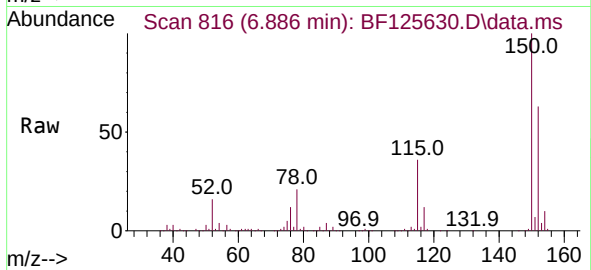




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

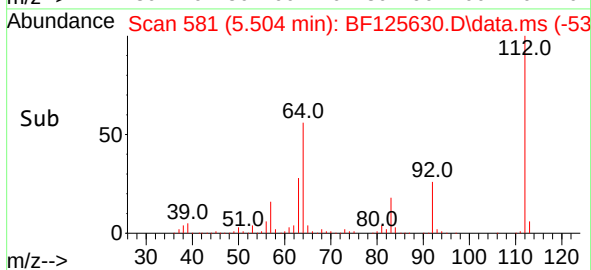
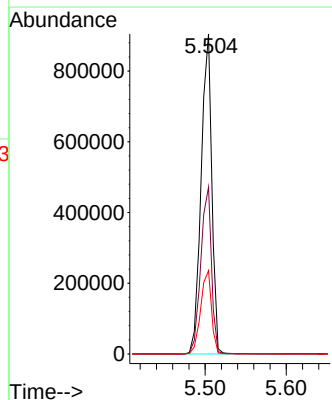
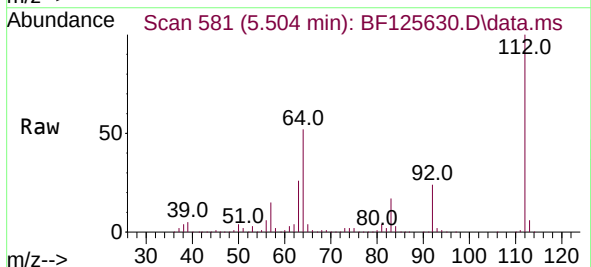
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

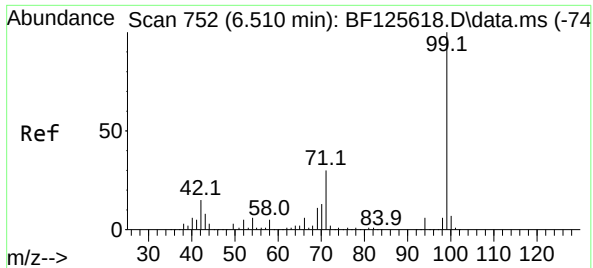
Tgt Ion:152 Resp: 201546  
Ion Ratio Lower Upper  
152 100  
150 158.1 117.6 176.4  
115 57.6 47.1 70.7



#5  
2-Fluorophenol  
Concen: 67.856 ng  
RT: 5.504 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:112 Resp: 830074  
Ion Ratio Lower Upper  
112 100  
64 52.1 44.2 66.2  
63 26.1 26.2 39.2#

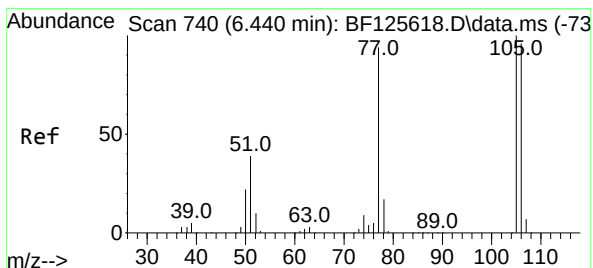
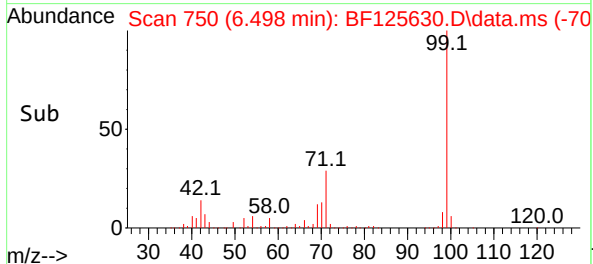
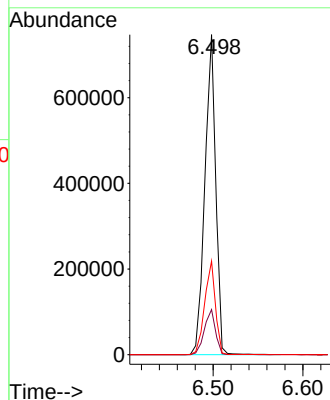
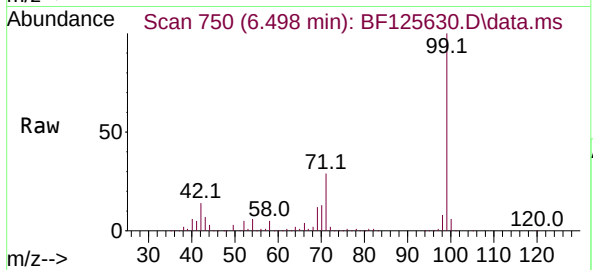




#7  
Phenol-d6  
Concen: 38.172 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

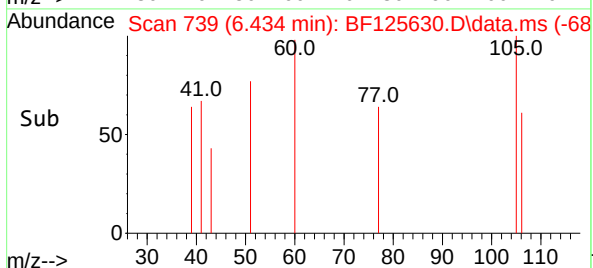
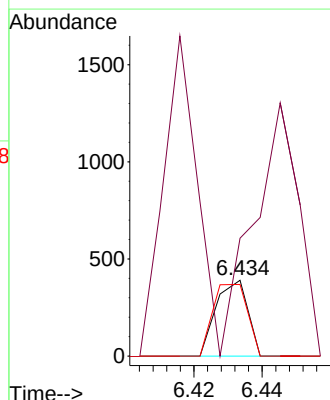
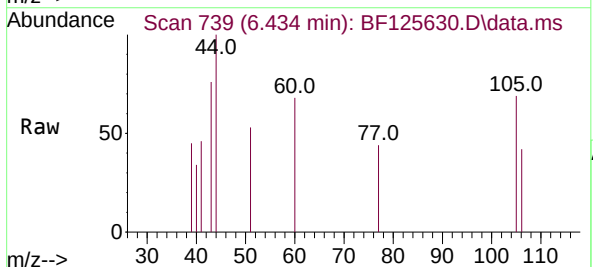
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

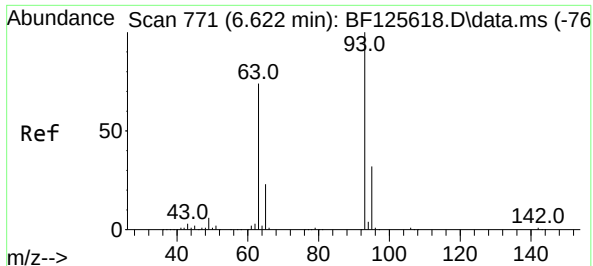
Tgt Ion: 99 Resp: 627791  
Ion Ratio Lower Upper  
99 100  
42 14.1 23.5 35.3#  
71 29.3 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.434 min Scan# 739  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

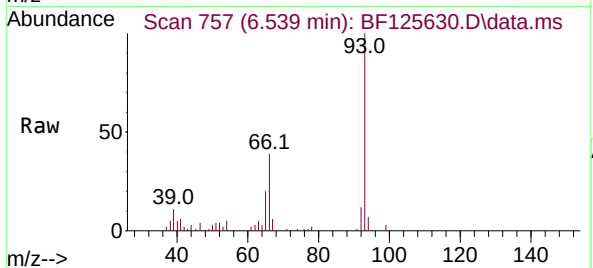
Tgt Ion: 77 Resp: 250  
Ion Ratio Lower Upper  
77 100  
105 155.6 75.9 115.9#  
106 94.6 84.0 124.0



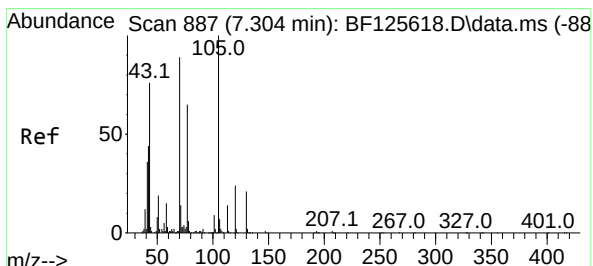
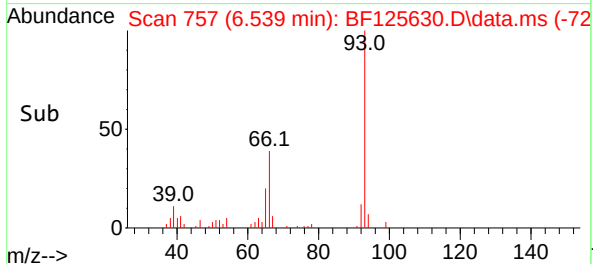
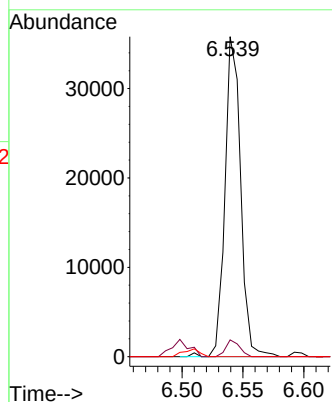


#11  
bis(2-Chloroethyl)ether  
Concen: 2.487 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.083 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

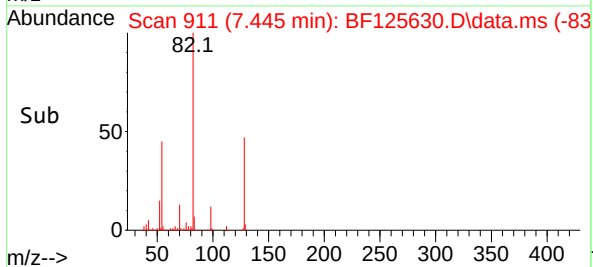
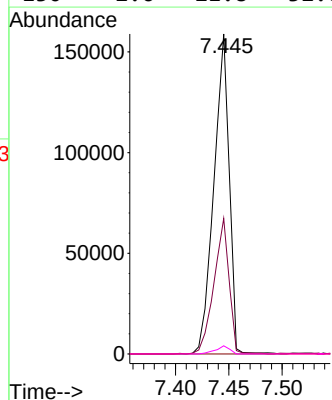
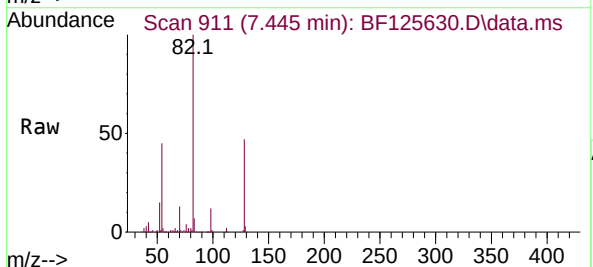


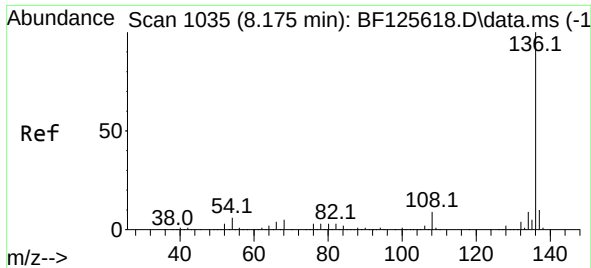
| Tgt Ion: | 93    | Resp: | 32130 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 5.3   | 54.4  | 94.4# |
| 95       | 0.0   | 11.4  | 51.4# |



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.912 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.141 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

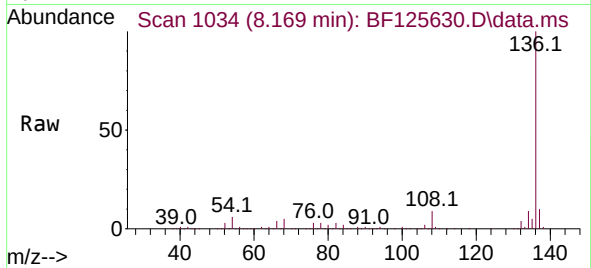
| Tgt Ion: | 70    | Resp: | 158361 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 42.3  | 72.2  | 108.2# |
| 101      | 0.0   | 7.8   | 11.8#  |
| 130      | 2.6   | 21.8  | 32.6#  |



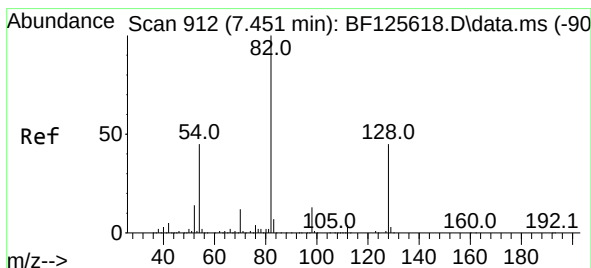
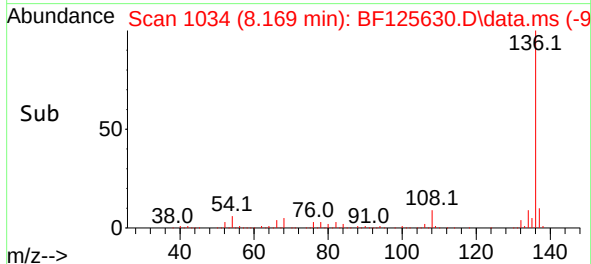
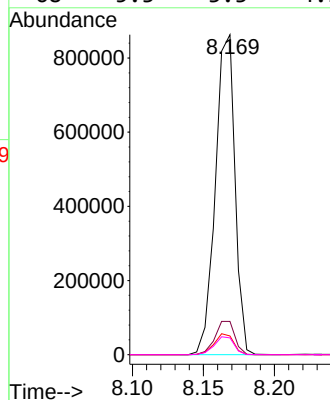


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

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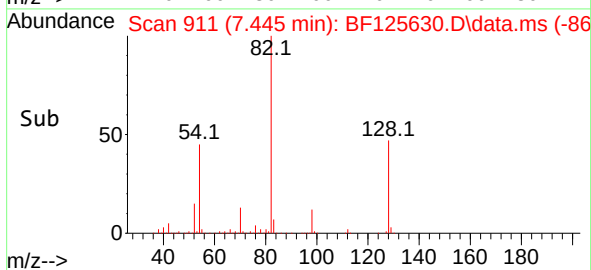
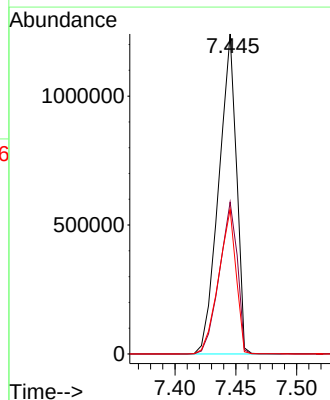
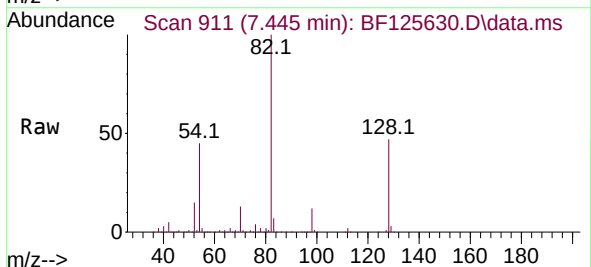


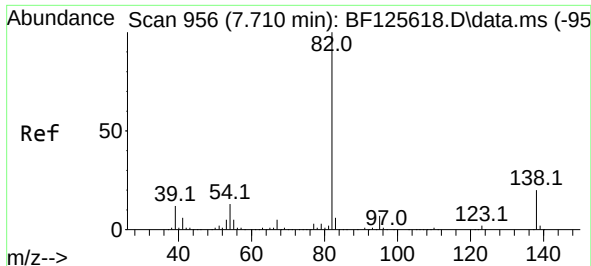
Tgt Ion:136 Resp: 828294  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.8 14.6  
54 5.9 6.4 9.6#  
68 5.3 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 105.873 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion: 82 Resp: 1257260  
Ion Ratio Lower Upper  
82 100  
128 47.4 40.6 60.8  
54 45.2 49.6 74.4#

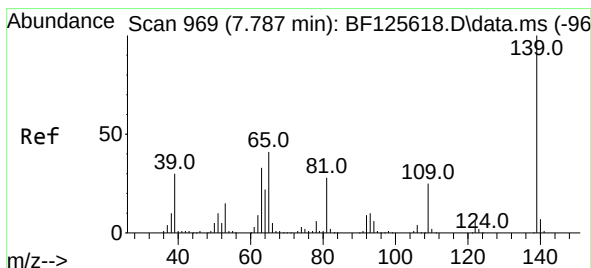
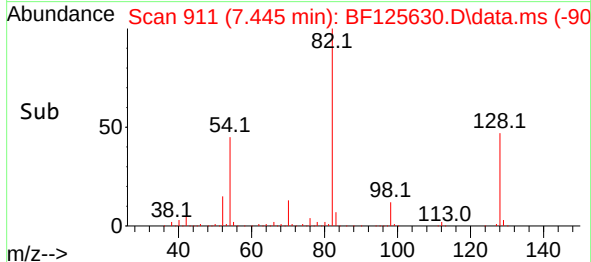
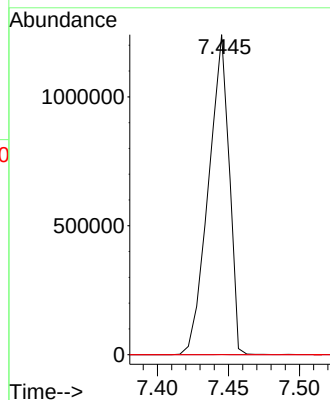
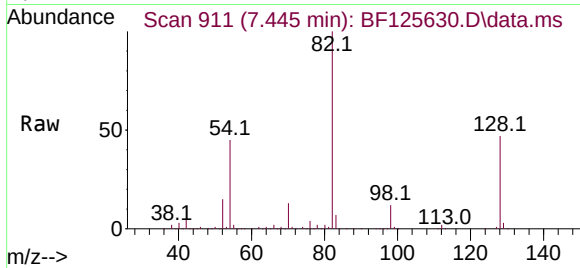




#25  
Isophorone  
Concen: 47.130 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.265 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

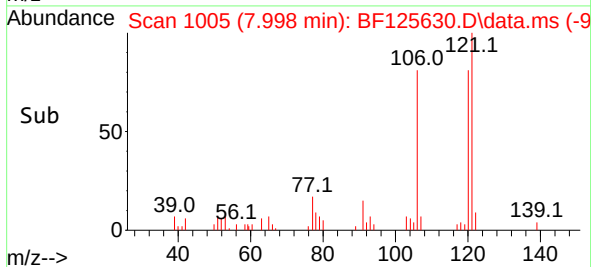
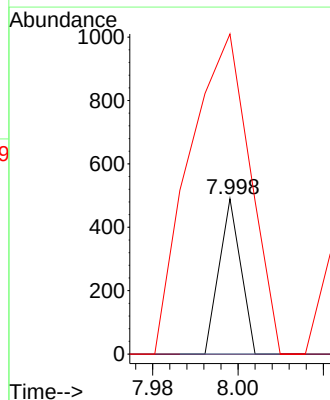
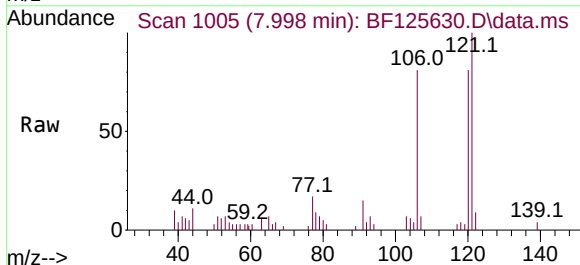
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

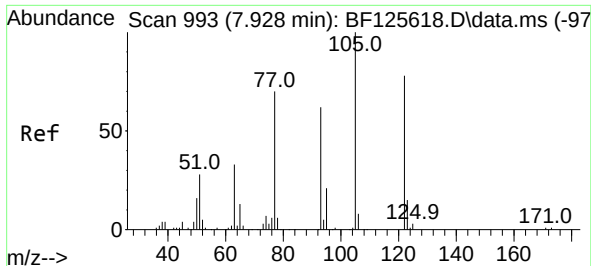
Tgt Ion: 82 Resp: 1253423  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#26  
2-Nitrophenol  
Concen: 5.758 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. 0.211 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:139 Resp: 173  
Ion Ratio Lower Upper  
139 100  
109 0.0 26.0 39.0#  
65 206.1 31.0 46.4#

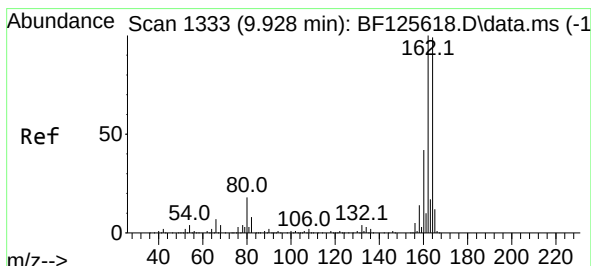
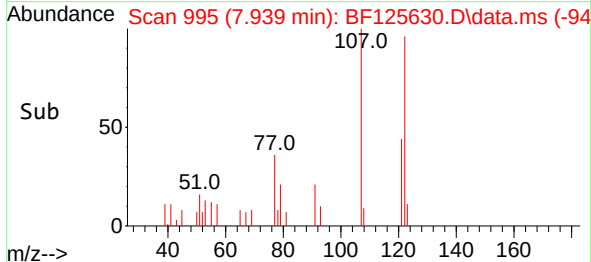
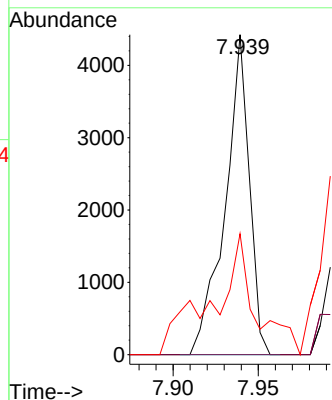
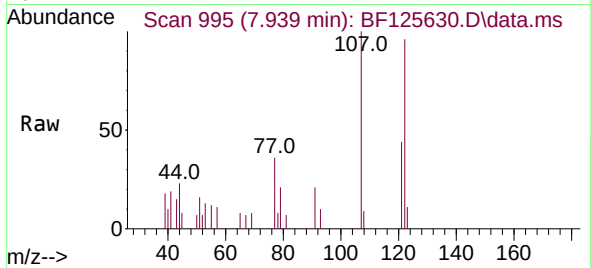




#32  
Benzoic acid  
Concen: 9.041 ng  
RT: 7.939 min Scan# 995  
Delta R.T. 0.011 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

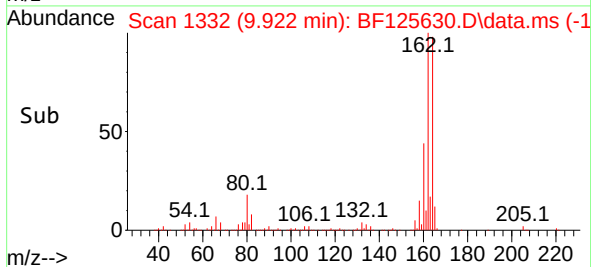
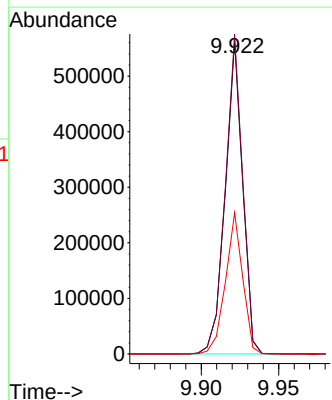
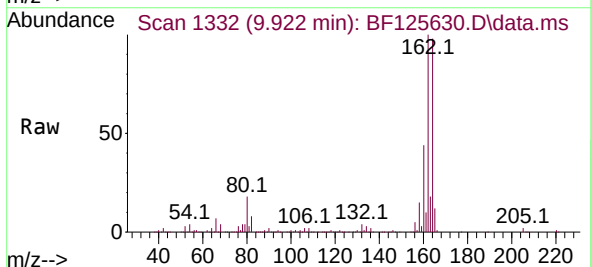
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

Tgt Ion:122 Resp: 4365  
Ion Ratio Lower Upper  
122 100  
105 0.0 97.6 137.6#  
77 37.8 59.6 99.6#

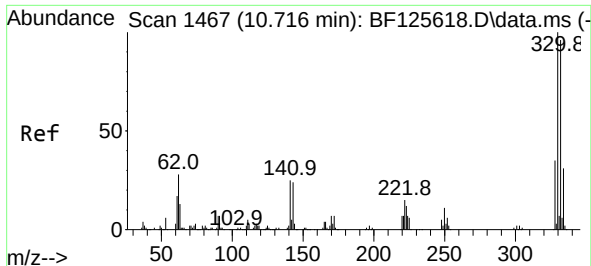


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:164 Resp: 439202  
Ion Ratio Lower Upper  
164 100  
162 102.2 81.3 121.9  
160 45.1 38.0 57.0



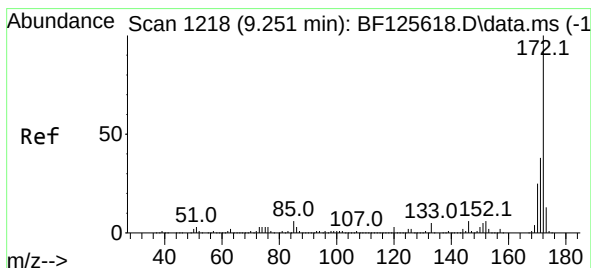
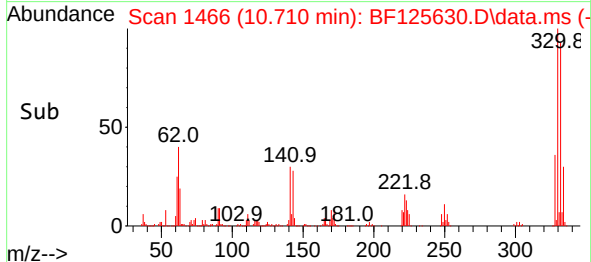
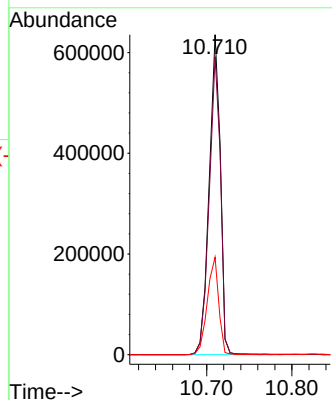
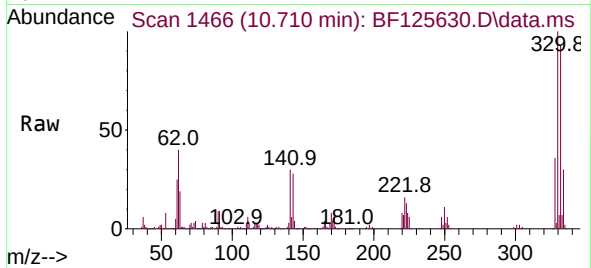




#42  
2,4,6-Tribromophenol  
Concen: 141.516 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

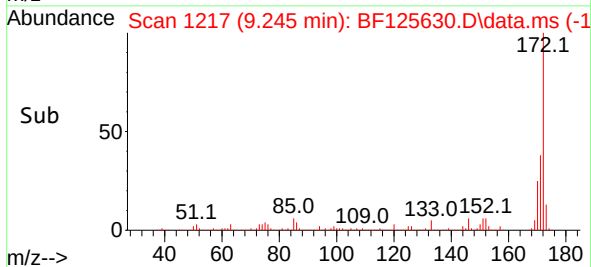
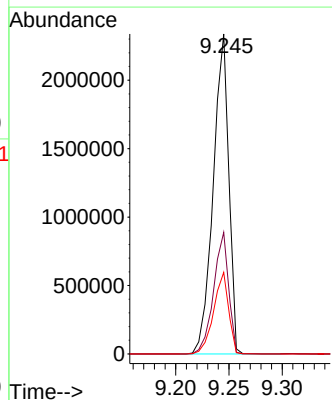
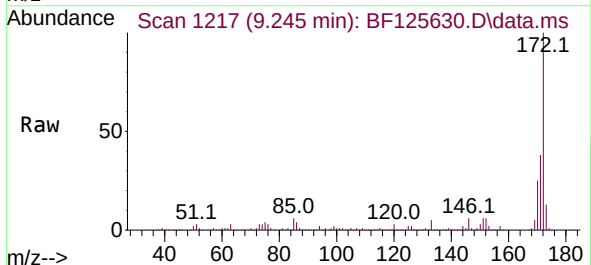
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

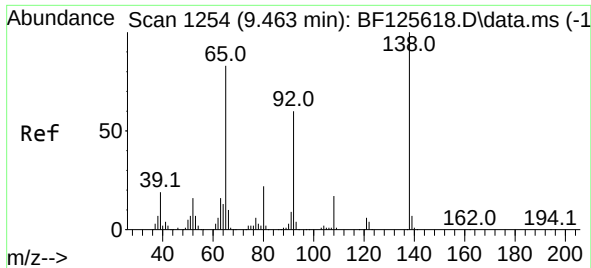
Tgt Ion: 330 Resp: 579504  
Ion Ratio Lower Upper  
330 100  
332 93.9 76.2 114.4  
141 31.2 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 99.164 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion: 172 Resp: 2369397  
Ion Ratio Lower Upper  
172 100  
171 38.0 26.5 39.7  
170 25.5 18.8 28.2

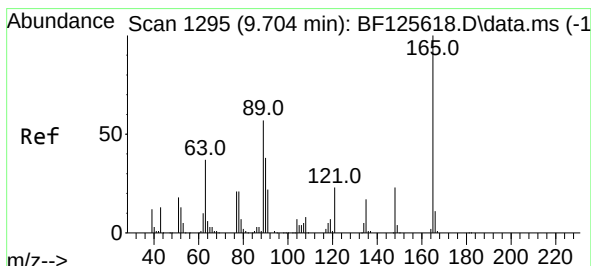
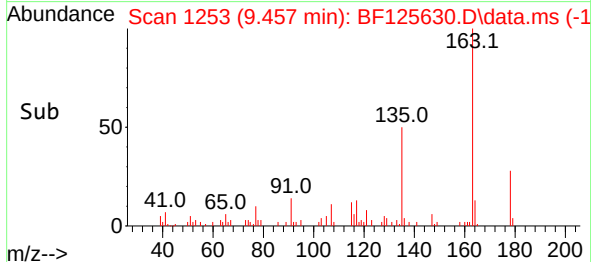
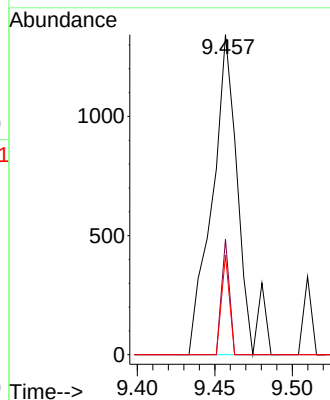
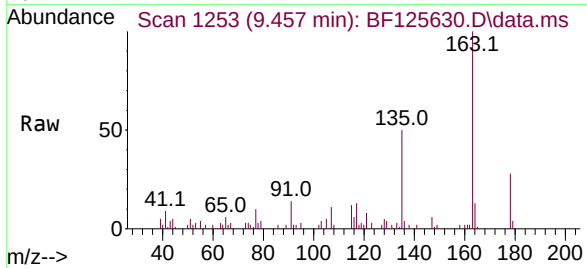




#48  
2-Nitroaniline  
Concen: 4.385 ng  
RT: 9.457 min Scan# 1253  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

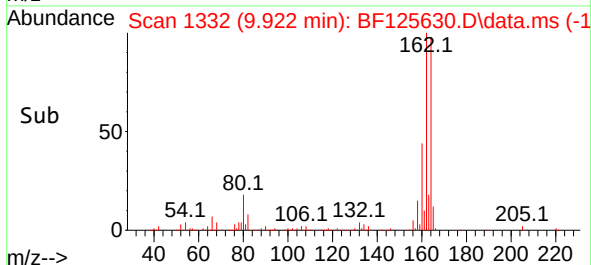
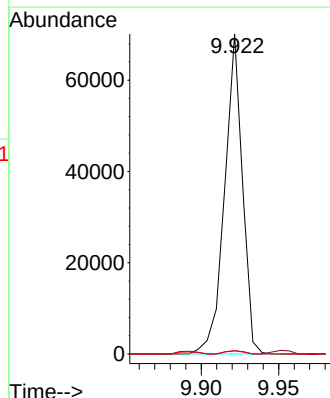
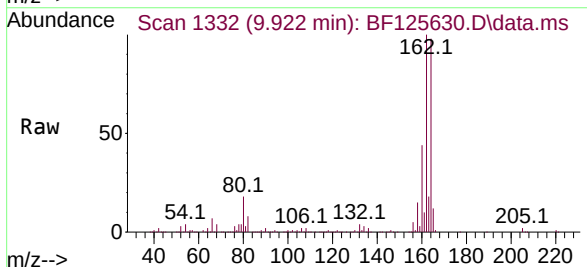
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

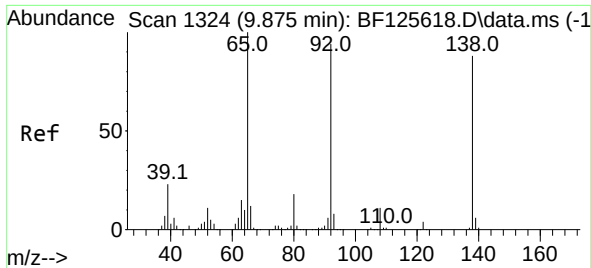
Tgt Ion: 65 Resp: 1578  
Ion Ratio Lower Upper  
65 100  
92 36.2 55.5 83.3#  
138 31.1 93.5 140.3#



#51  
2,6-Dinitrotoluene  
Concen: 12.622 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.218 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:165 Resp: 56075  
Ion Ratio Lower Upper  
165 100  
63 1.0 42.6 63.8#  
89 1.0 40.6 60.8#

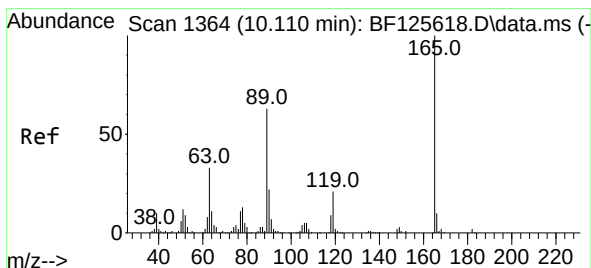
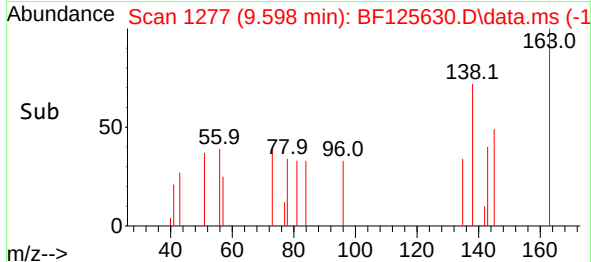
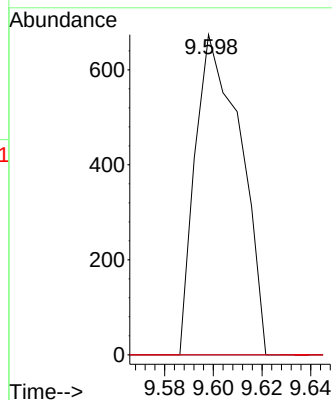
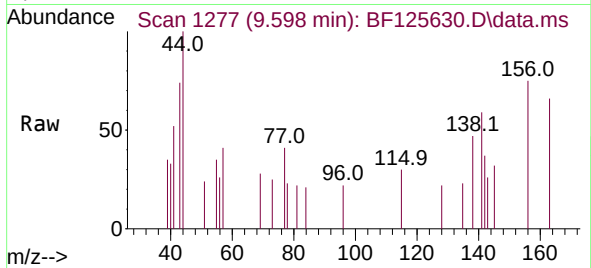




#53  
3-Nitroaniline  
Concen: 3.261 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. -0.277 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

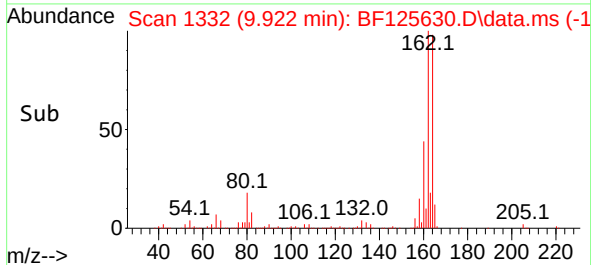
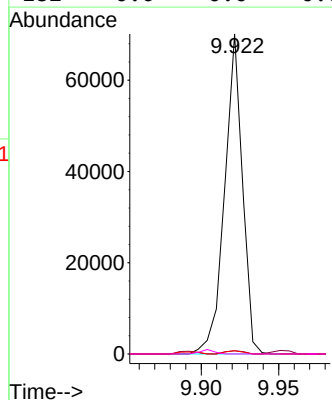
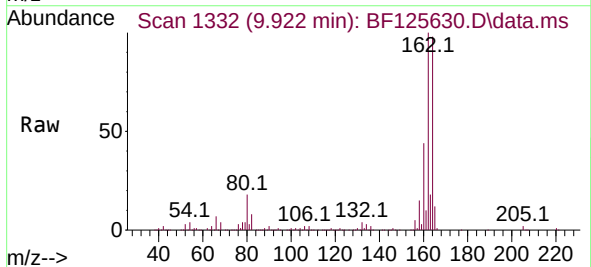
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

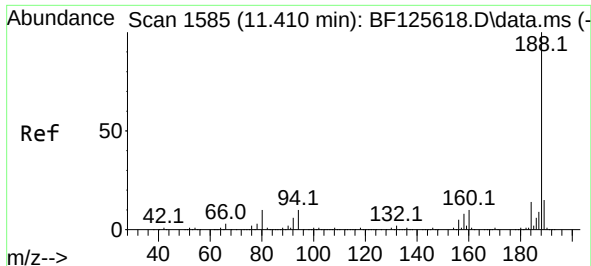
Tgt Ion:138 Resp: 870  
Ion Ratio Lower Upper  
138 100  
108 0.0 9.3 13.9#  
92 0.0 76.5 114.7#



#57  
2,4-Dinitrotoluene  
Concen: 11.515 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.188 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:165 Resp: 56075  
Ion Ratio Lower Upper  
165 100  
63 1.0 40.9 61.3#  
89 1.0 59.7 89.5#  
182 0.0 0.0 0.0

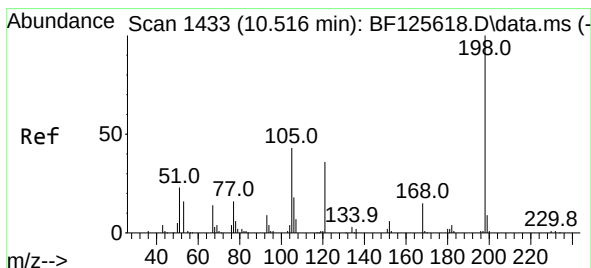
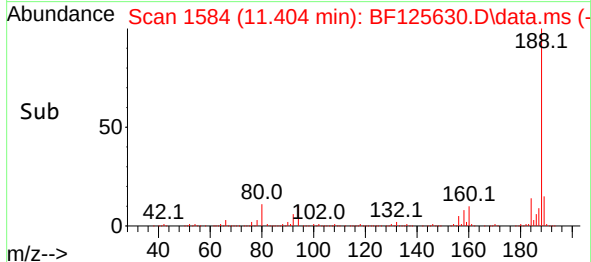
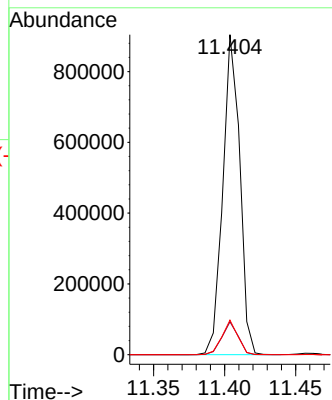
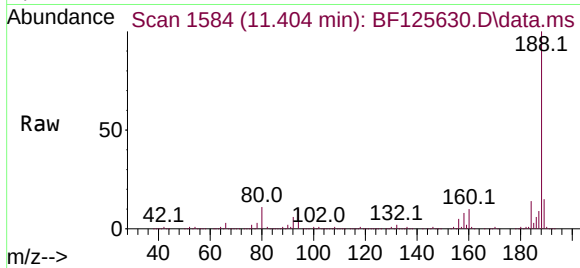




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

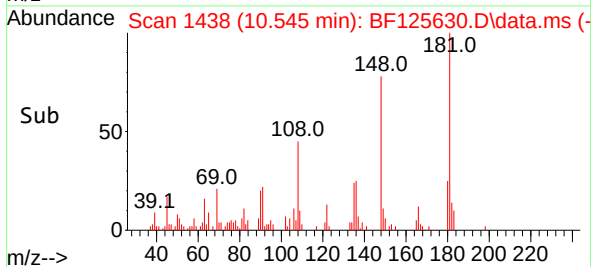
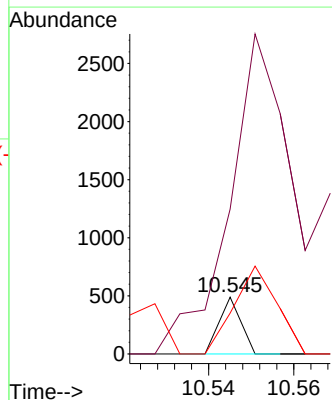
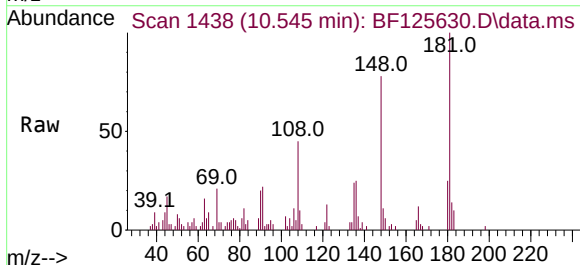
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

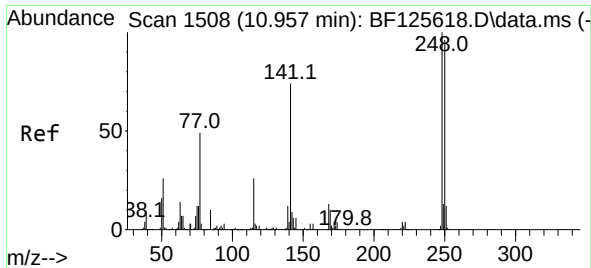
Tgt Ion:188 Resp: 748298  
Ion Ratio Lower Upper  
188 100  
94 10.3 6.7 10.1#  
80 10.8 7.5 11.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.052 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. 0.029 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:198 Resp: 172  
Ion Ratio Lower Upper  
198 100  
51 255.3 45.3 85.3#  
105 71.9 30.6 70.6#

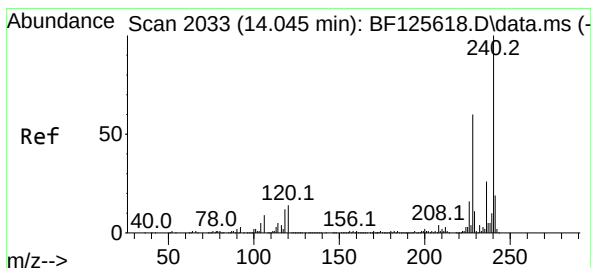
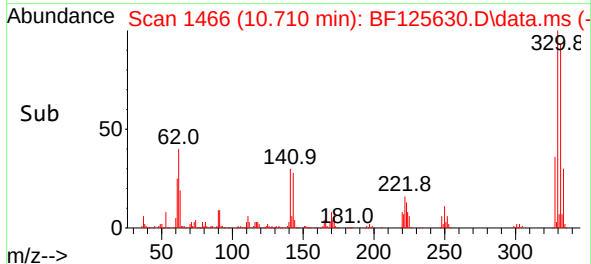
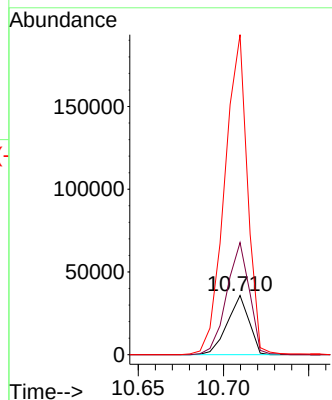
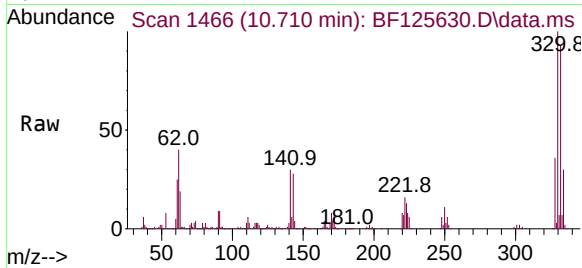




#67  
4-Bromophenyl-phenylether  
Concen: 4.047 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

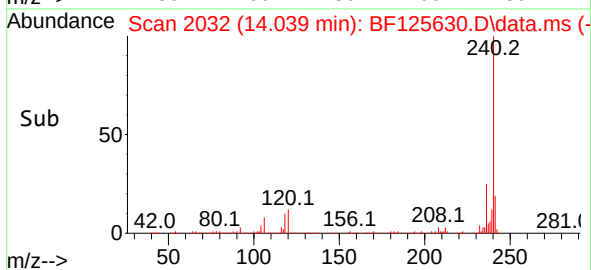
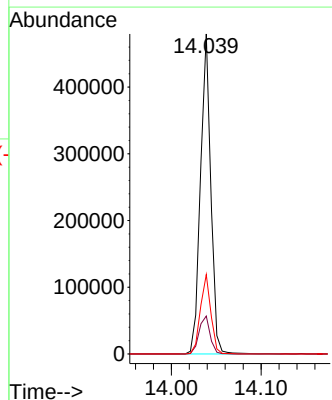
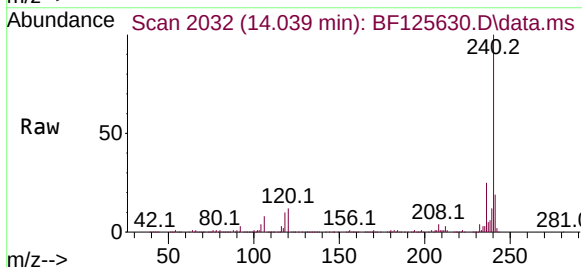
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

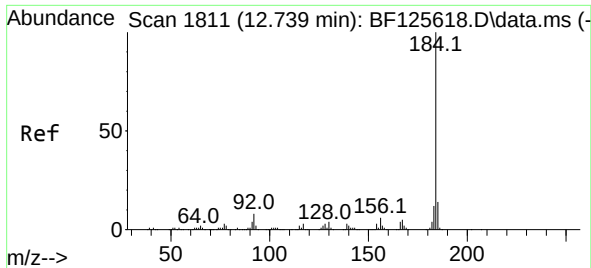
Tgt Ion:248 Resp: 31783  
Ion Ratio Lower Upper  
248 100  
250 189.7 74.2 111.4#  
141 541.0 60.4 90.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:240 Resp: 383250  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.8 16.2  
236 24.8 21.6 32.4

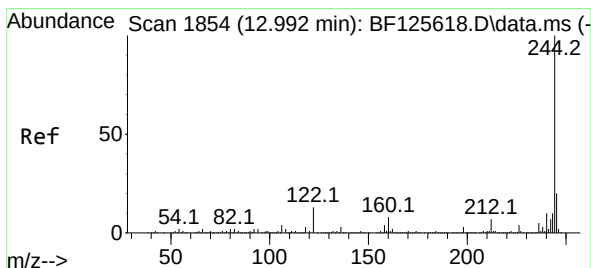
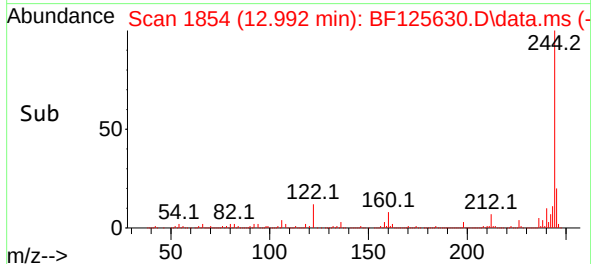
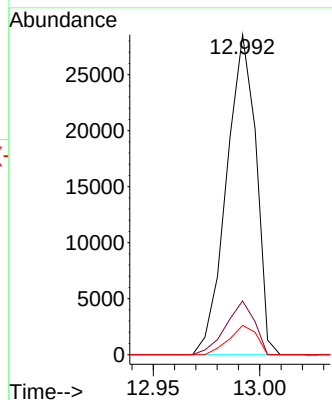
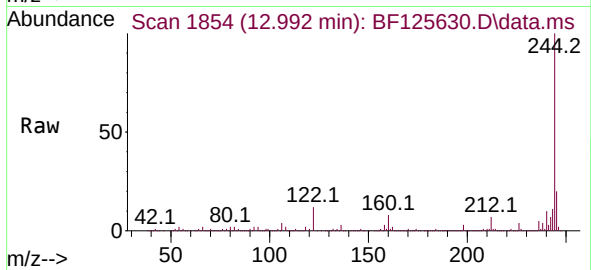




#77  
Benzidine  
Concen: 2.738 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. 0.253 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

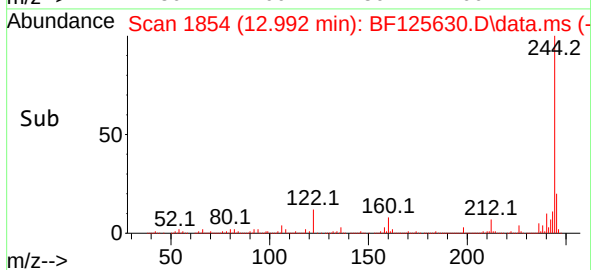
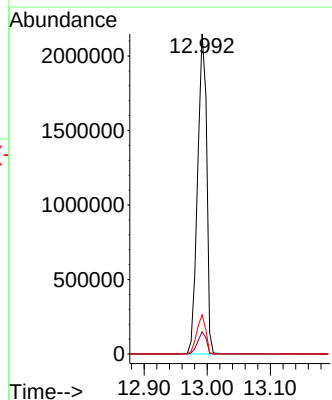
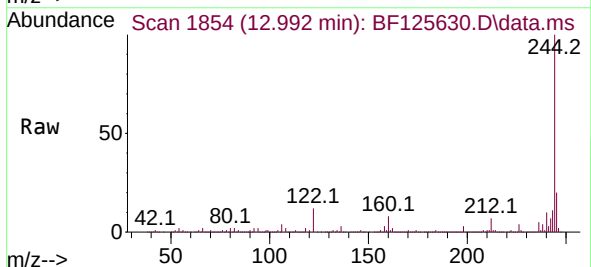
Instrument :  
BNA\_F  
ClientSampleId :  
SW-CB-04-(0.5)

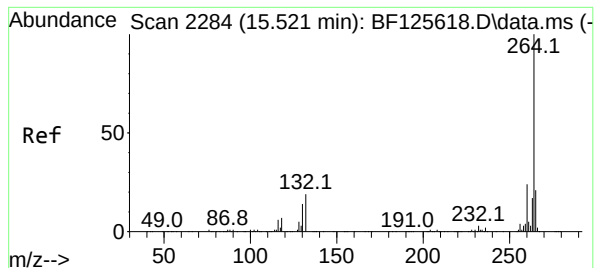
Tgt Ion:184 Resp: 27564  
Ion Ratio Lower Upper  
184 100  
185 16.8 10.8 16.2#  
183 9.2 8.1 12.1



#79  
Terphenyl-d14  
Concen: 96.788 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: BF125630.D  
Acq: 24 Sep 2021 20:17

Tgt Ion:244 Resp: 2141986  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 12.2 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: BF125630.D  
 Acq: 24 Sep 2021 20:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-CB-04-(0.5)

Tgt Ion:264 Resp: 397513  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.6 29.4  
 265 21.8 17.2 25.8

