

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012921\  
 Data File : BF123091.D  
 Acq On : 29 Jan 2021 19:49  
 Operator : JU/CG  
 Sample : M1263-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0048-042-COMP-B-ELUTRIATE

Quant Time: Jan 29 22:37:44 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:29:00 2021  
 Response via : Initial Calibration

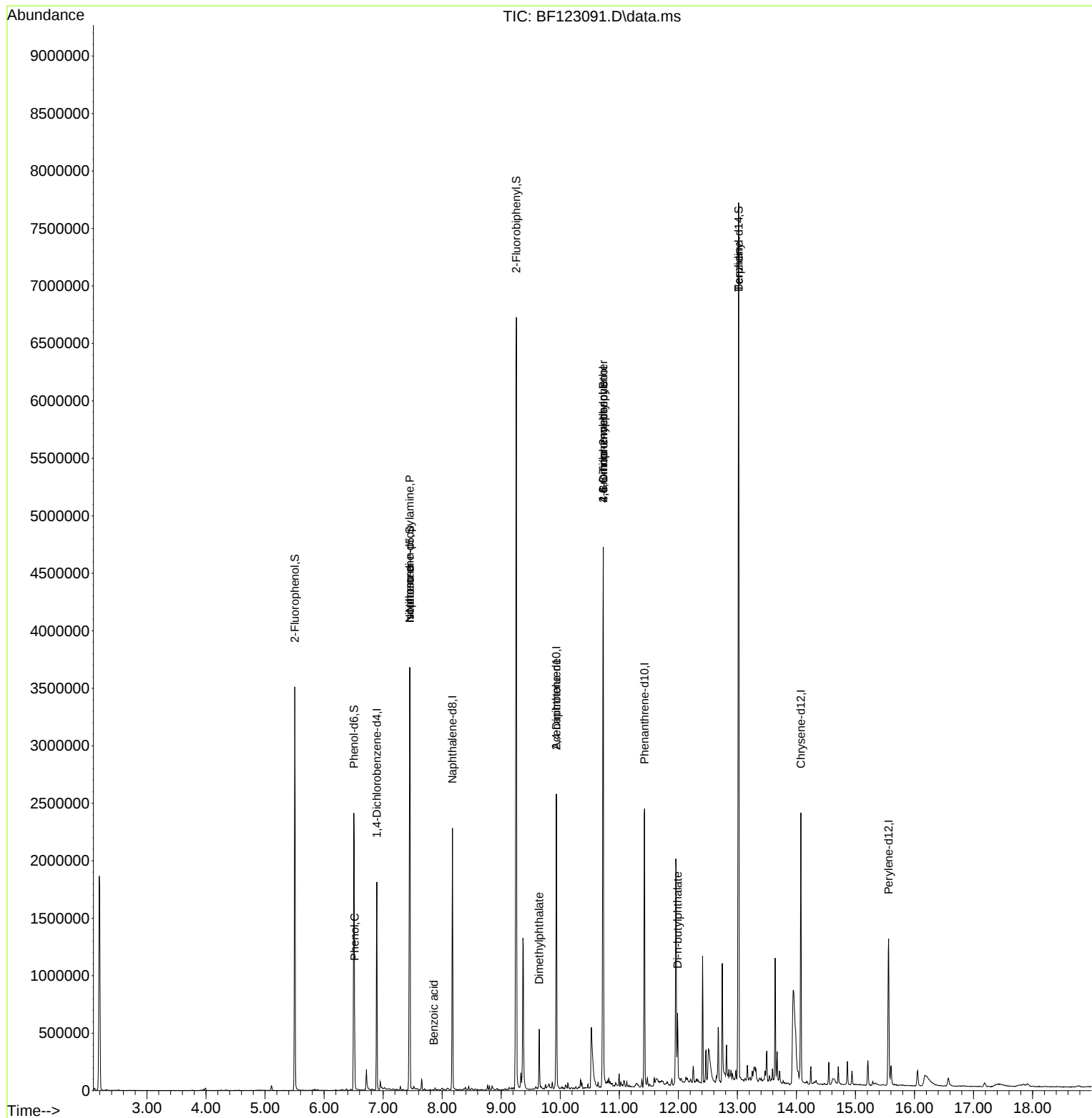
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 252776   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 974206   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.933  | 164  | 521240   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 943316   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 746272   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.562 | 264  | 584460   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 950985   | 58.03  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 863581   | 38.88  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1356377  | 70.07  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 640528   | 113.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 2374759  | 67.73  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.021 | 244  | 2576023  | 67.82  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 6.516  | 94   | 112724   | 5.12   | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 182013   | 13.63  | ng    | # 80     |
| 25) Isophorone                | 7.451  | 82   | 1351490  | 38.12  | ng    | # 65     |
| 32) Benzoic acid              | 7.857  | 122  | 618      | 4.96   | ng    | # 88     |
| 50) Dimethylphthalate         | 9.645  | 163  | 194851   | 4.76   | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 65965    | 5.82   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.727 | 198  | 1245     | 5.19   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 41243    | 3.43   | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 243810   | 3.94   | ng    | 99       |
| 77) Benzidine                 | 13.021 | 184  | 34247    | 2.03   | ng    | 96       |
| -----                         |        |      |          |        |       |          |

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

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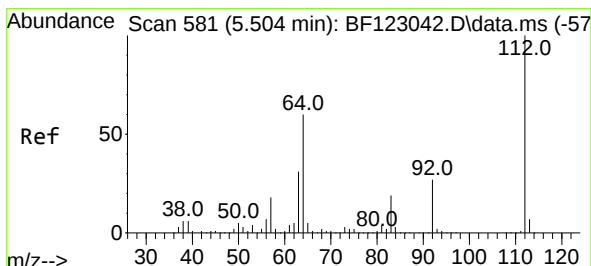
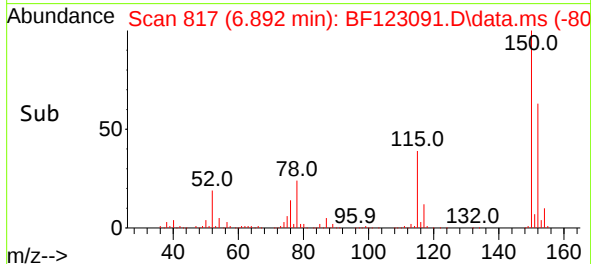
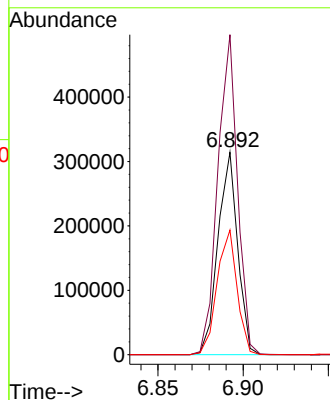
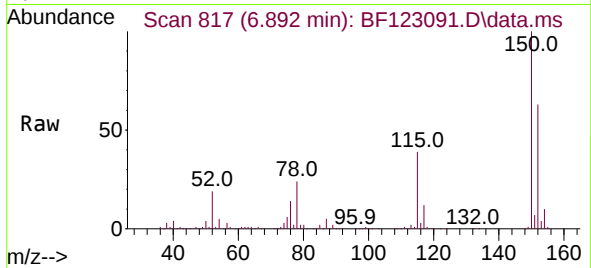




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.892 min Scan# 817  
Delta R.T. 0.000 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

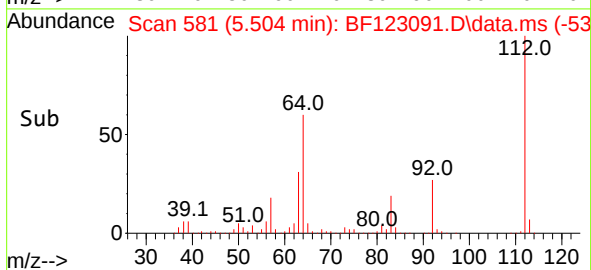
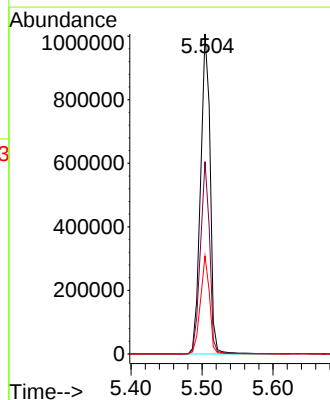
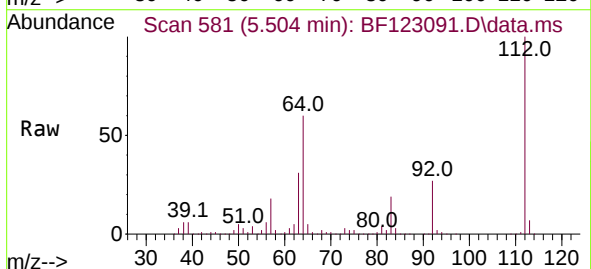
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

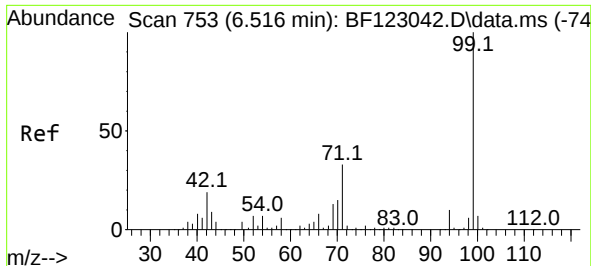
Tgt Ion:152 Resp: 252776  
Ion Ratio Lower Upper  
152 100  
150 158.1 125.8 188.6  
115 61.6 49.3 73.9



#5  
2-Fluorophenol  
Concen: 58.03 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:112 Resp: 950985  
Ion Ratio Lower Upper  
112 100  
64 60.1 46.9 70.3  
63 30.6 24.5 36.7

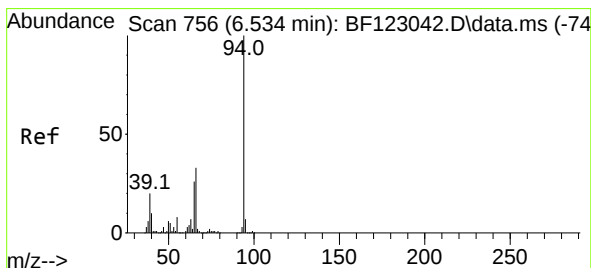
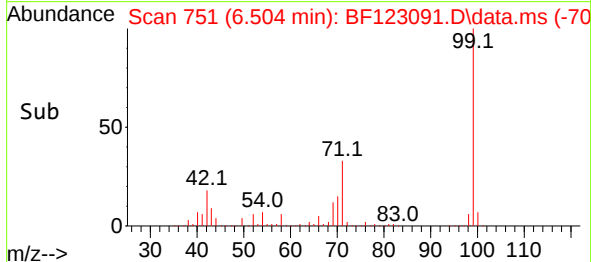
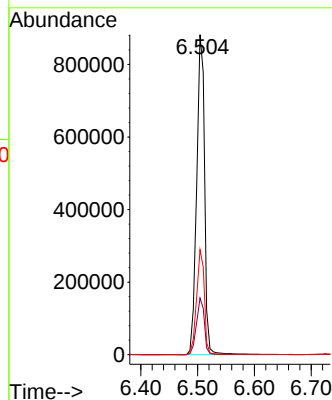
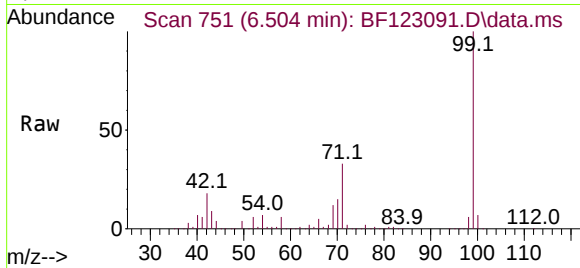




#7  
Phenol-d6  
Concen: 38.88 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.012 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

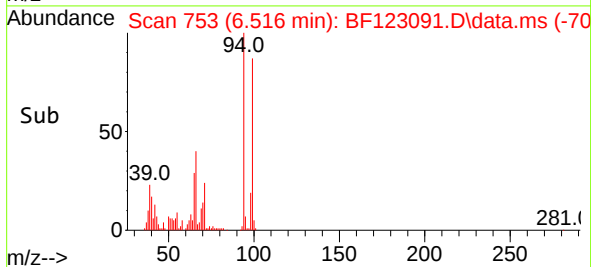
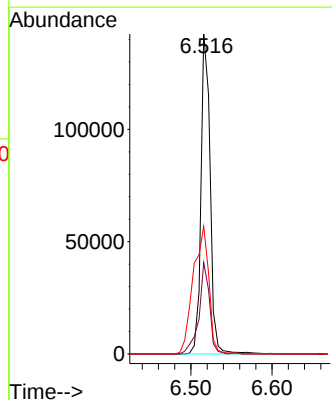
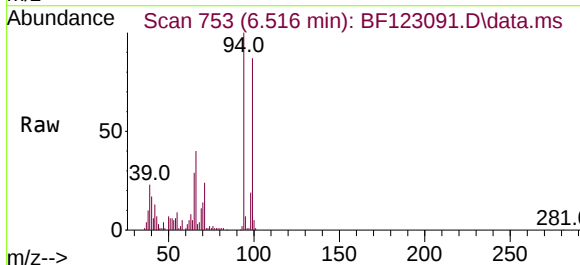
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

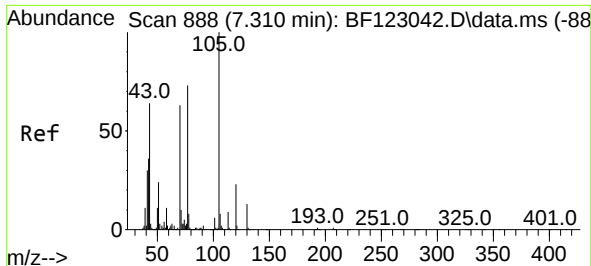
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 863581 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 17.7  | 13.8  | 20.6   |
| 71       | 32.8  | 26.9  | 40.3   |



#10  
Phenol  
Concen: 5.12 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.018 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 112724 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 28.6  | 11.2  | 51.2   |
| 66       | 39.9  | 25.8  | 65.8   |

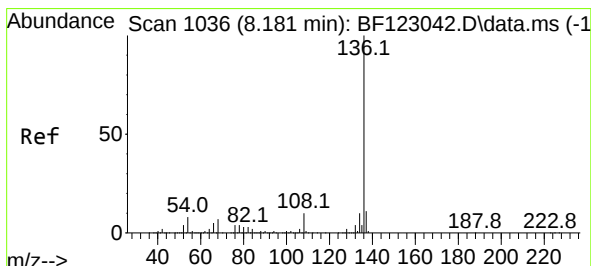
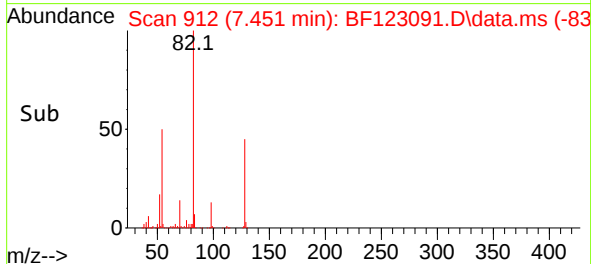
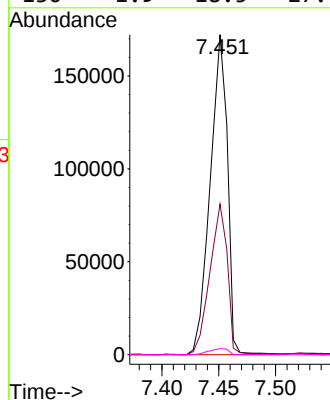
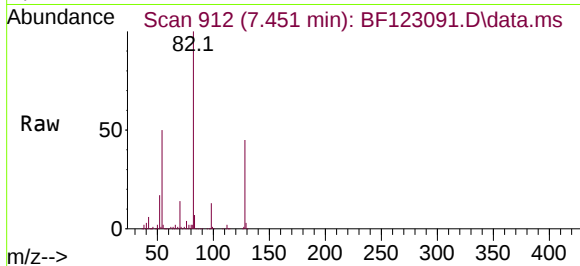




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.63 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

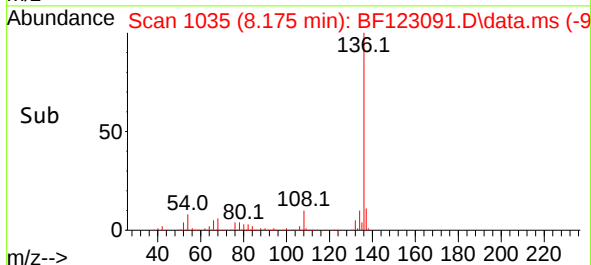
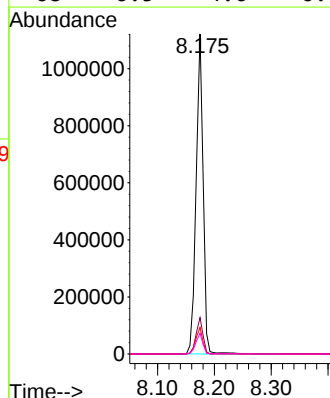
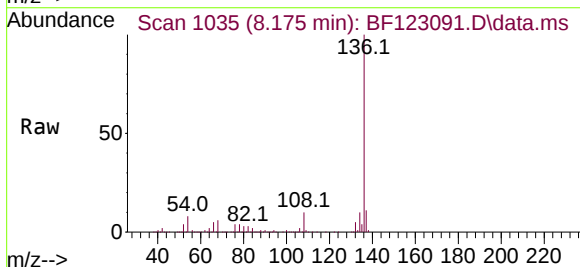
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

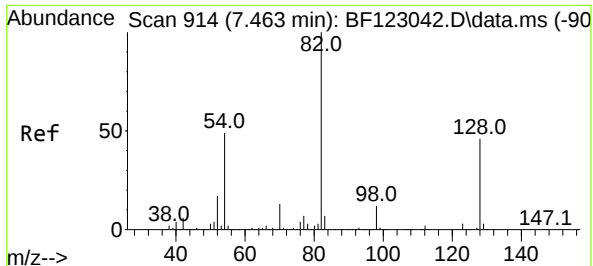
|             |              |
|-------------|--------------|
| Tgt Ion: 70 | Resp: 182013 |
| Ion Ratio   | Lower Upper  |
| 70 100      |              |
| 42 47.1     | 43.0 64.4    |
| 101 0.0     | 7.9 11.9#    |
| 130 1.9     | 18.5 27.7#   |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

|              |              |
|--------------|--------------|
| Tgt Ion: 136 | Resp: 974206 |
| Ion Ratio    | Lower Upper  |
| 136 100      |              |
| 137 11.3     | 8.8 13.2     |
| 54 8.3       | 5.5 8.3#     |
| 68 6.5       | 4.6 6.8      |





#23

Nitrobenzene-d5

Concen: 70.07 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF123091.D

Acq: 29 Jan 2021 19:49

Tgt Ion: 82 Resp: 1356377

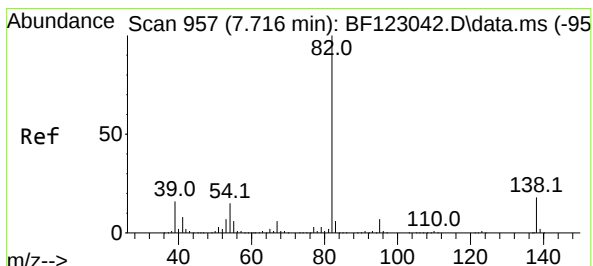
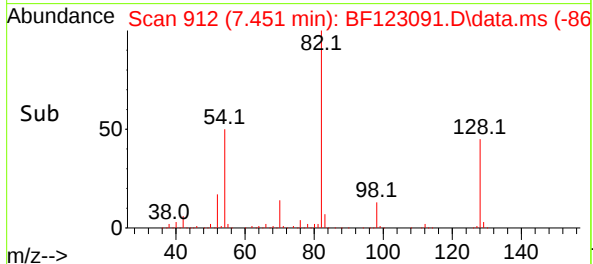
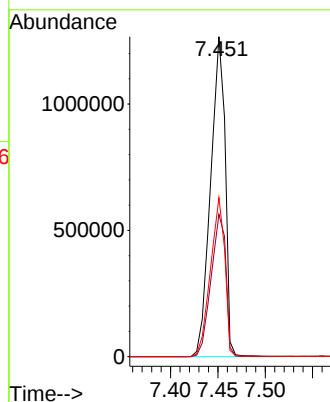
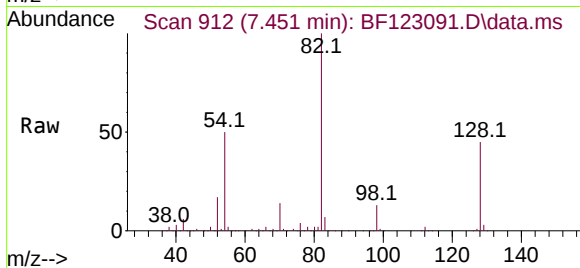
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.5  | 37.0  | 55.4  |
| 54  | 49.7  | 38.4  | 57.6  |

Instrument :

BNA\_F

ClientSampleId :

0048-042-COMP-B-ELUTRIATE



#25

Isophorone

Concen: 38.12 ng

RT: 7.451 min Scan# 912

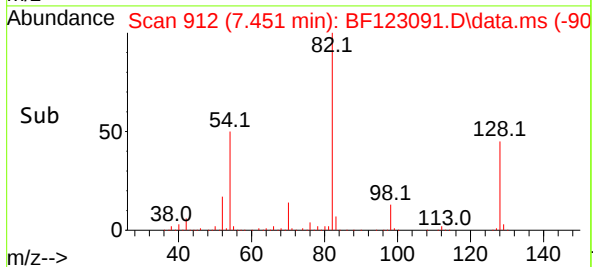
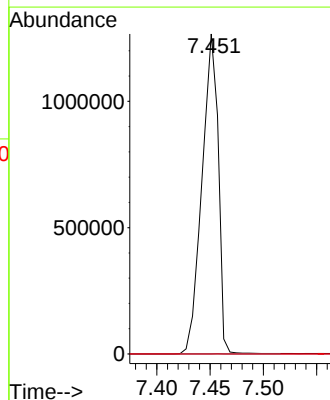
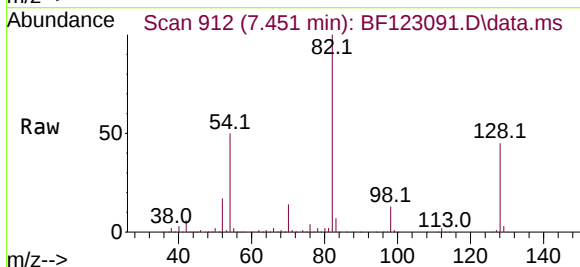
Delta R.T. -0.265 min

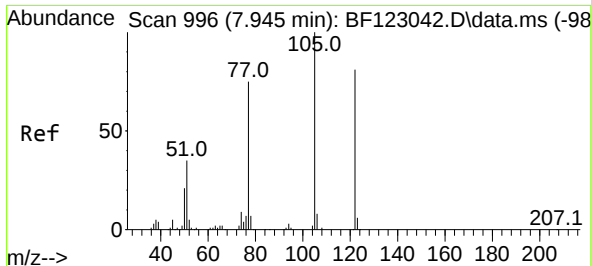
Lab File: BF123091.D

Acq: 29 Jan 2021 19:49

Tgt Ion: 82 Resp: 1351490

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.0   | 5.8   | 8.6#  |
| 138 | 0.0   | 14.6  | 21.8# |

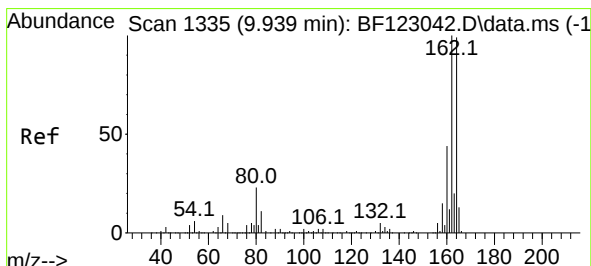
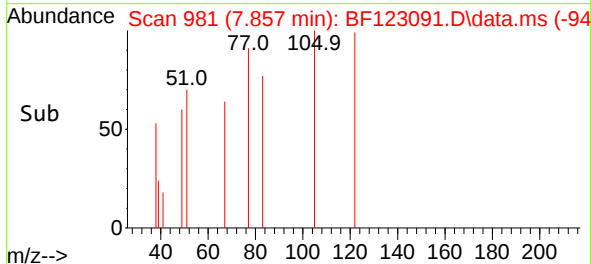
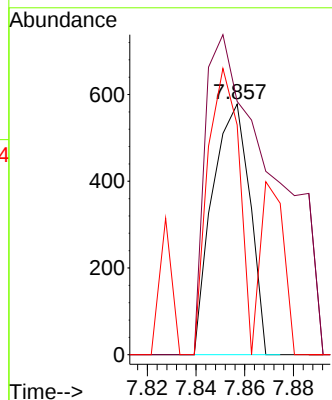
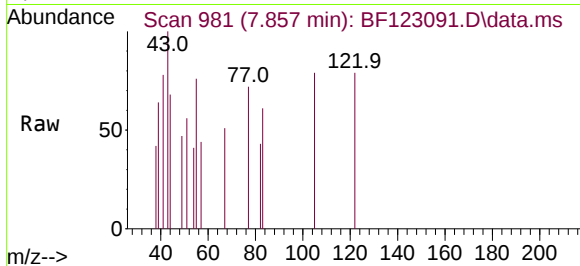




#32  
Benzoic acid  
Concen: 4.96 ng  
RT: 7.857 min Scan# 981  
Delta R.T. -0.088 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

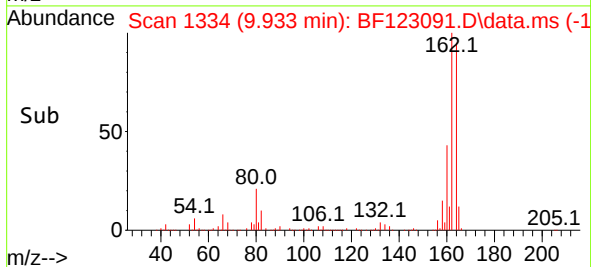
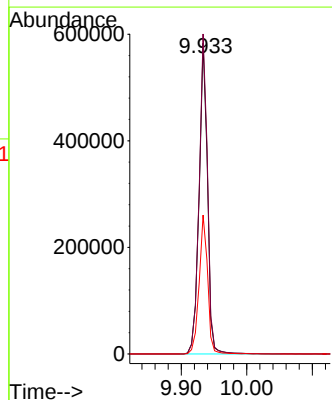
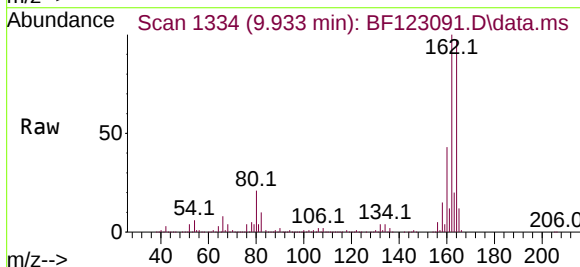
Instrument :  
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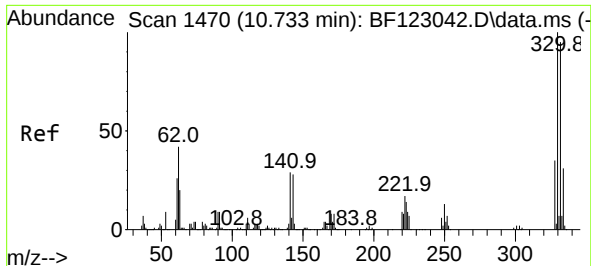
Tgt Ion:122 Resp: 618  
Ion Ratio Lower Upper  
122 100  
105 101.0 104.8 144.8#  
77 91.7 71.0 111.0



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:164 Resp: 521240  
Ion Ratio Lower Upper  
164 100  
162 102.9 80.8 121.2  
160 44.7 35.4 53.0

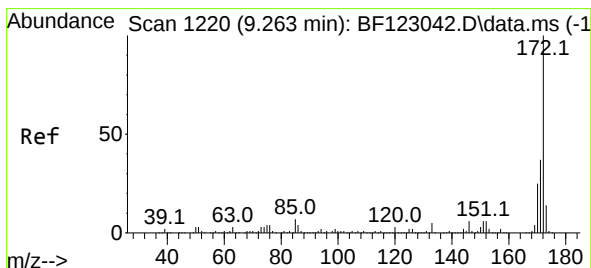
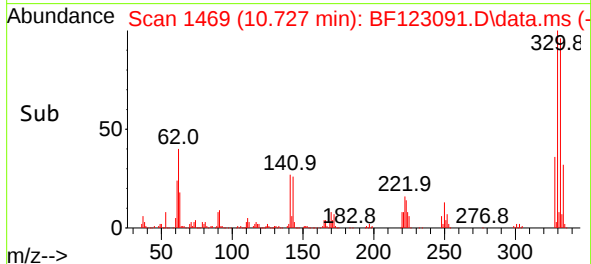
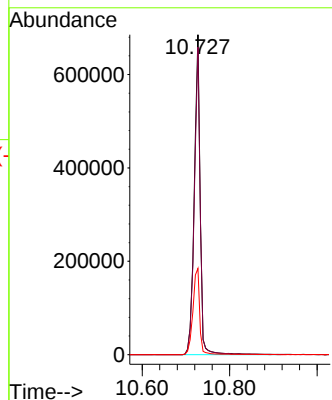
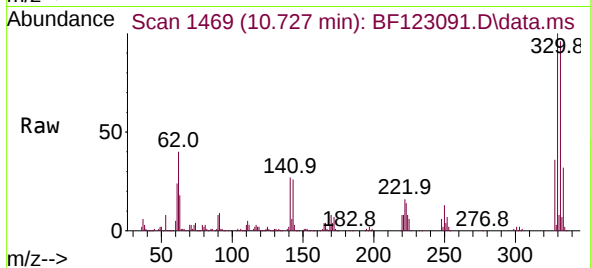




#42  
2,4,6-Tribromophenol  
Concen: 113.20 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

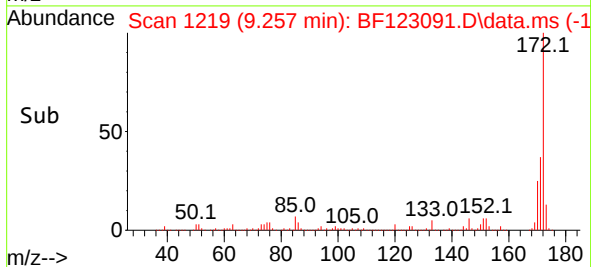
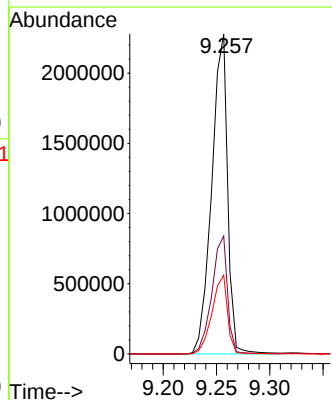
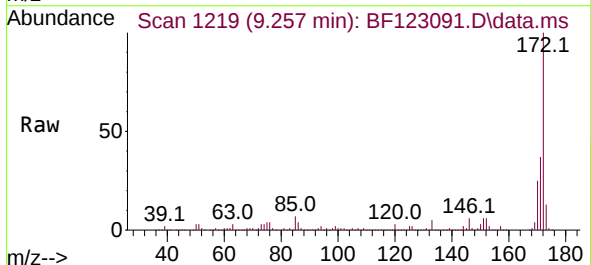
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

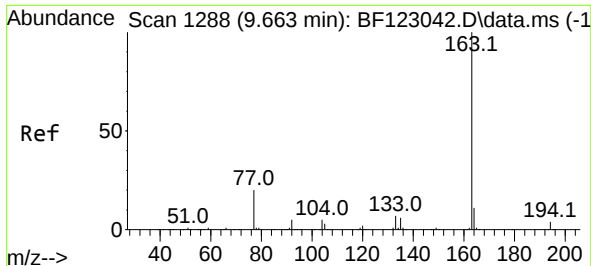
Tgt Ion:330 Resp: 640528  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.5 116.3  
141 31.0 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 67.73 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:172 Resp: 2374759  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.6 44.4  
170 24.6 19.5 29.3

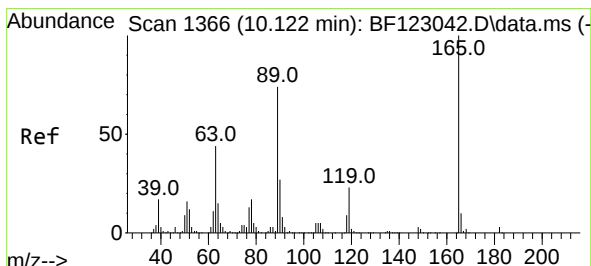
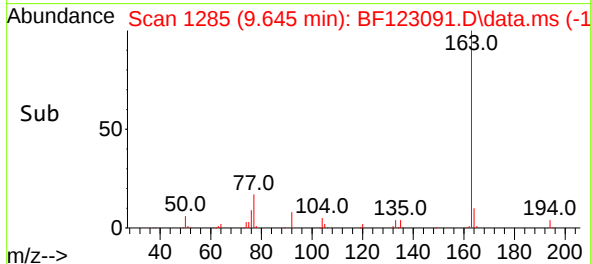
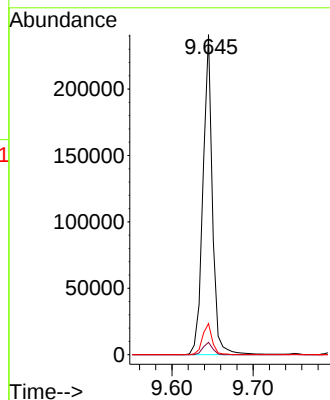
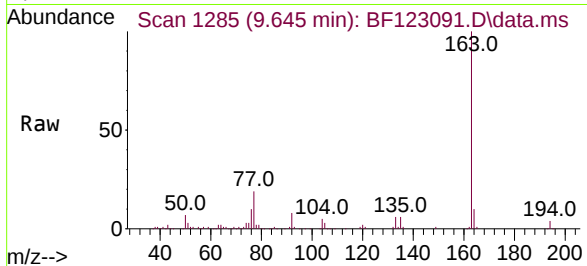




#50  
Dimethylphthalate  
Concen: 4.76 ng  
RT: 9.645 min Scan# 1285  
Delta R.T. -0.018 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

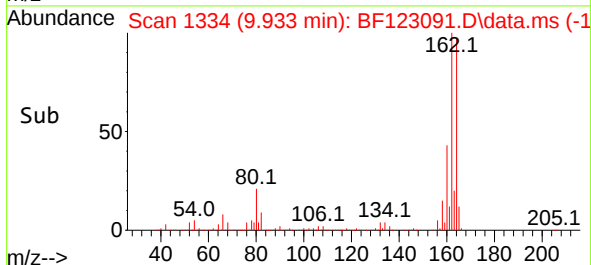
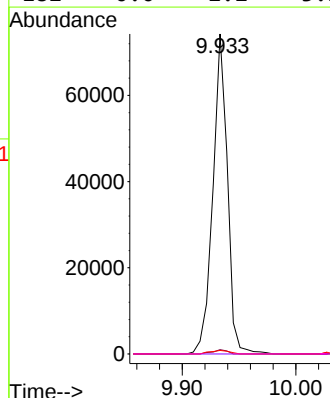
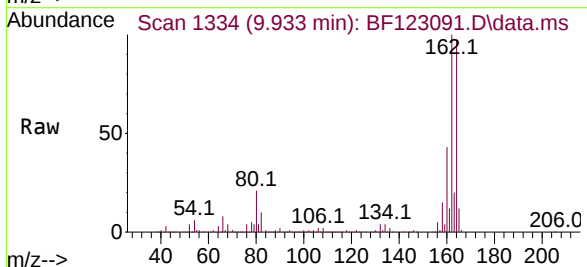
Instrument :  
BNA\_F  
ClientSampleId :  
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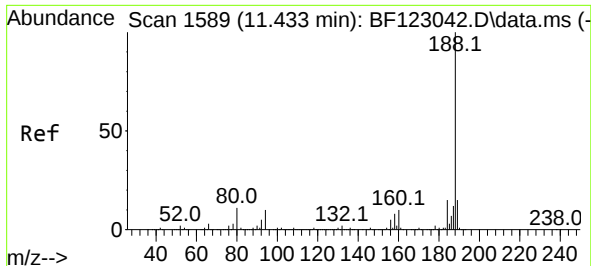
Tgt Ion:163 Resp: 194851  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.4 5.0  
164 9.7 8.1 12.1



#57  
2,4-Dinitrotoluene  
Concen: 5.82 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.188 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:165 Resp: 65965  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 1.1 55.2 82.8#  
182 0.0 2.2 3.2#

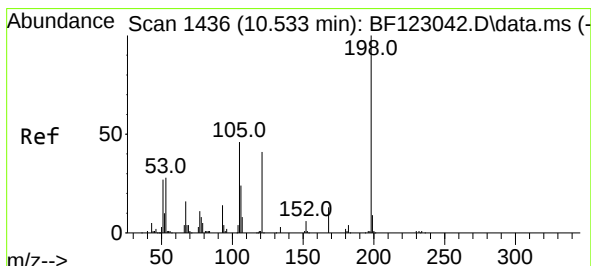
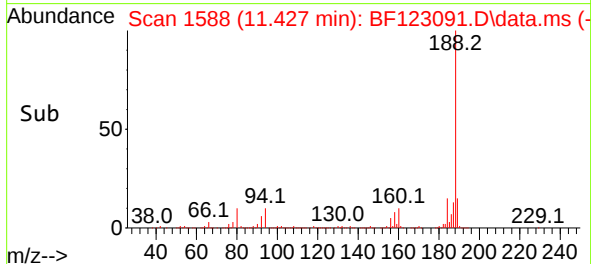
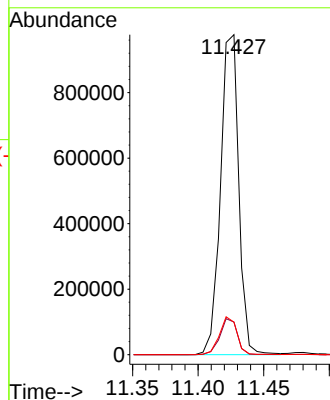
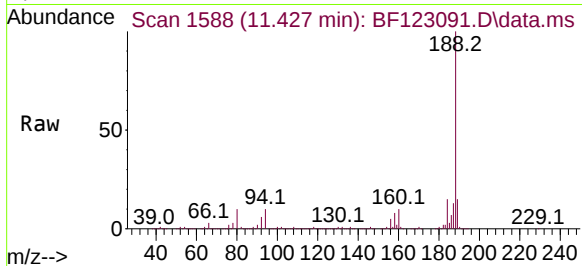




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

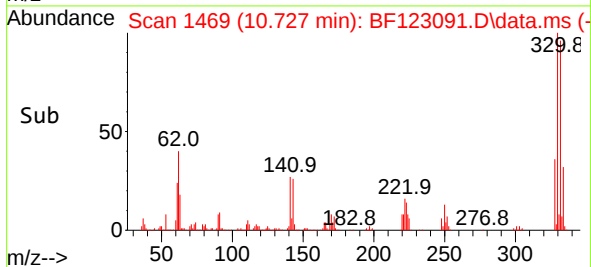
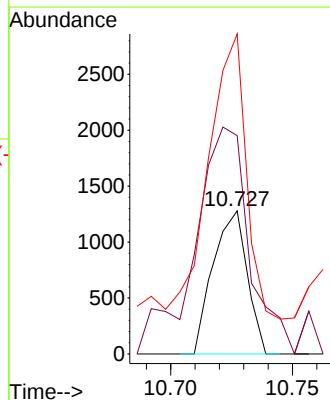
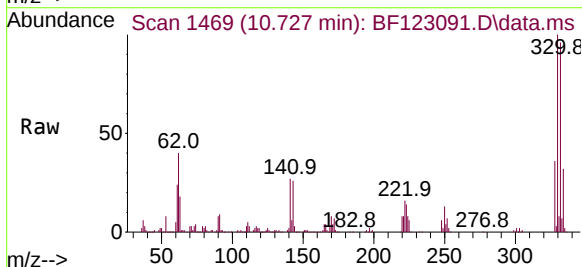
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

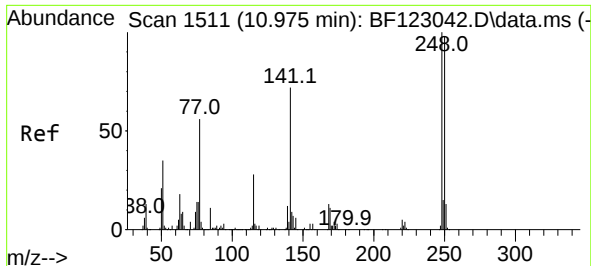
Tgt Ion:188 Resp: 943316  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.4 11.2  
80 10.2 8.2 12.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.19 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. 0.194 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:198 Resp: 1245  
Ion Ratio Lower Upper  
198 100  
51 152.6 20.3 60.3#  
105 223.7 23.0 63.0#

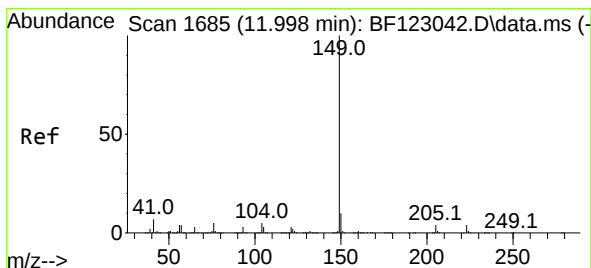
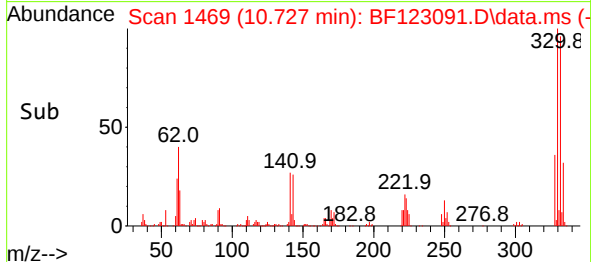
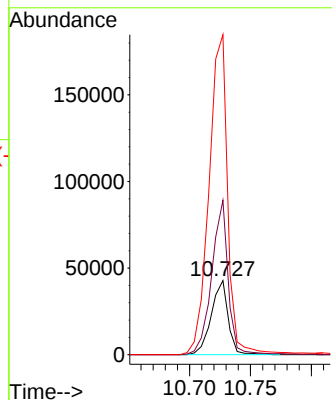
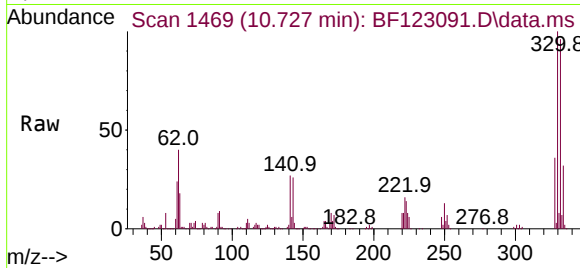




#67  
4-Bromophenyl-phenylether  
Concen: 3.43 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.247 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

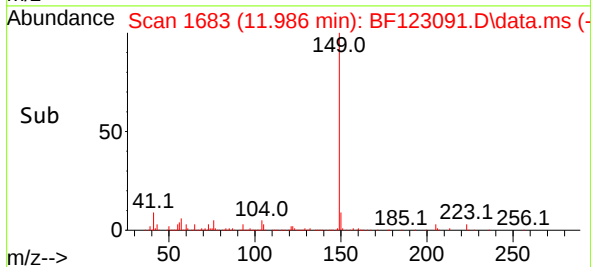
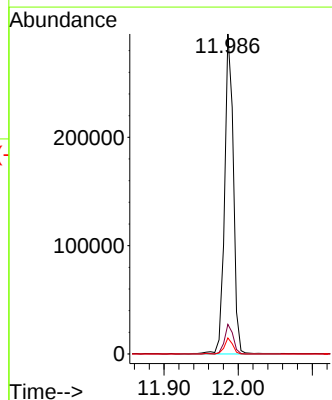
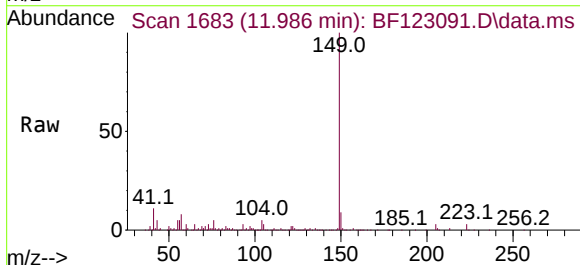
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

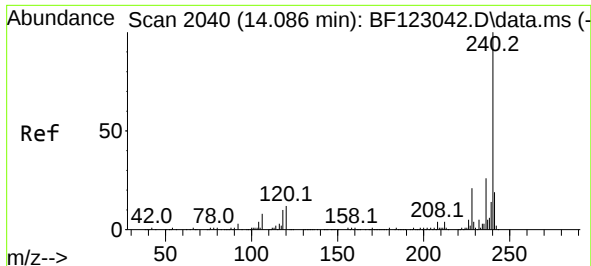
Tgt Ion:248 Resp: 41243  
Ion Ratio Lower Upper  
248 100  
250 208.4 76.8 115.2#  
141 432.2 59.8 89.8#



#74  
Di-n-butylphthalate  
Concen: 3.94 ng  
RT: 11.986 min Scan# 1683  
Delta R.T. -0.012 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:149 Resp: 243810  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.8 11.6  
104 5.0 4.2 6.4

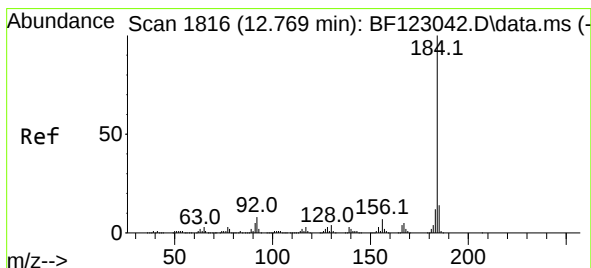
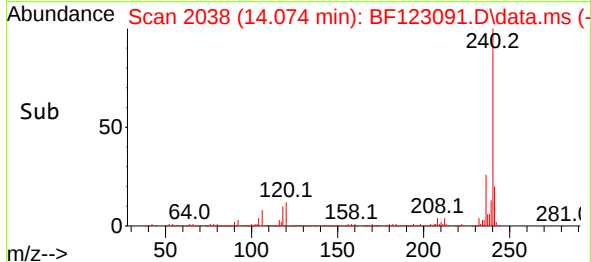
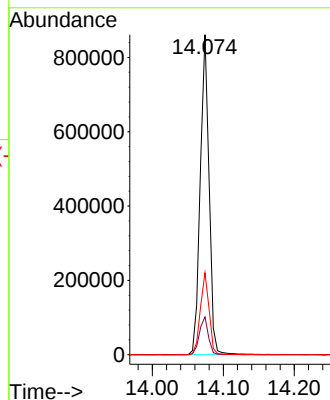
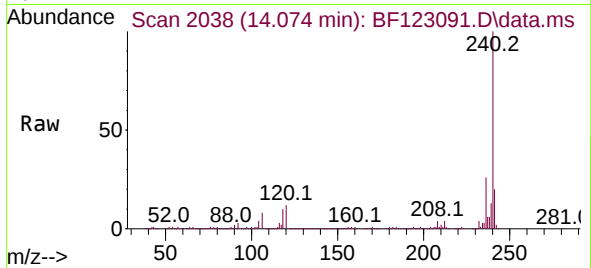




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.012 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

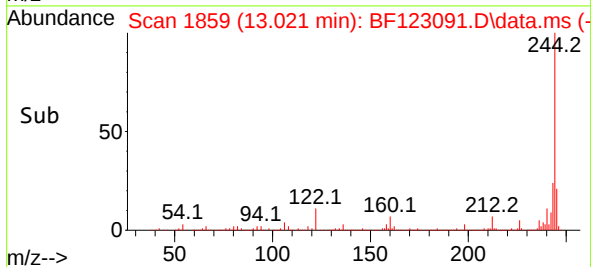
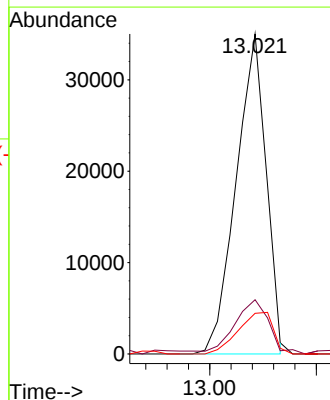
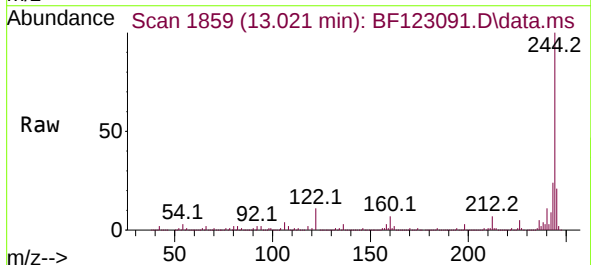
Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

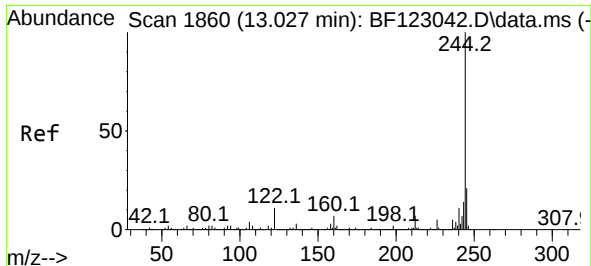
Tgt Ion:240 Resp: 746272  
Ion Ratio Lower Upper  
240 100  
120 11.8 8.6 12.8  
236 25.6 20.3 30.5



#77  
Benzidine  
Concen: 2.03 ng  
RT: 13.021 min Scan# 1859  
Delta R.T. 0.253 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:184 Resp: 34247  
Ion Ratio Lower Upper  
184 100  
185 16.9 11.8 17.6  
183 12.7 9.7 14.5

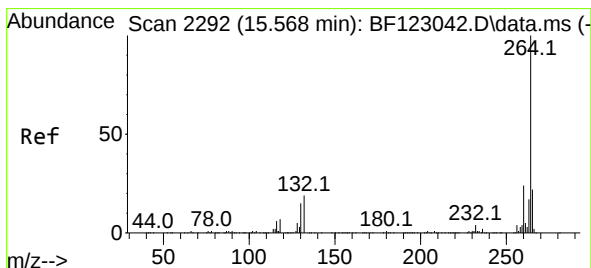
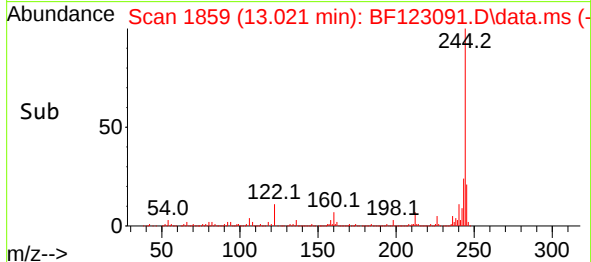
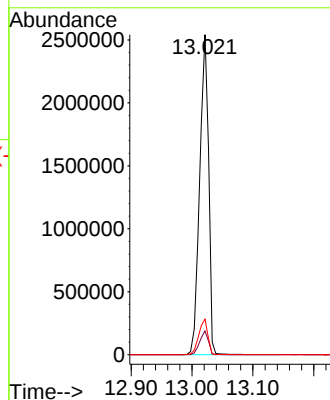
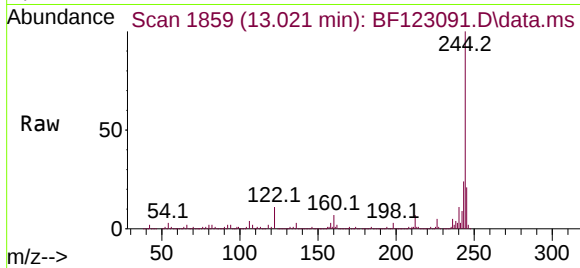




#79  
Terphenyl-d14  
Concen: 67.82 ng  
RT: 13.021 min Scan# 1859  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Instrument :  
BNA\_F  
ClientSampleId :  
0048-042-COMP-B-ELUTRIATE

Tgt Ion:244 Resp: 2576023  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.7 8.5  
122 11.1 8.3 12.5



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.562 min Scan# 2291  
Delta R.T. -0.006 min  
Lab File: BF123091.D  
Acq: 29 Jan 2021 19:49

Tgt Ion:264 Resp: 584460  
Ion Ratio Lower Upper  
264 100  
260 24.8 18.6 28.0  
265 21.6 17.0 25.6

