

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012721\  
 Data File : BF123047.D  
 Acq On : 27 Jan 2021 17:20  
 Operator : JU/CG  
 Sample : PB134172BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134172BL

Quant Time: Jan 27 17:49:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 27 16:56:08 2021  
 Response via : Initial Calibration

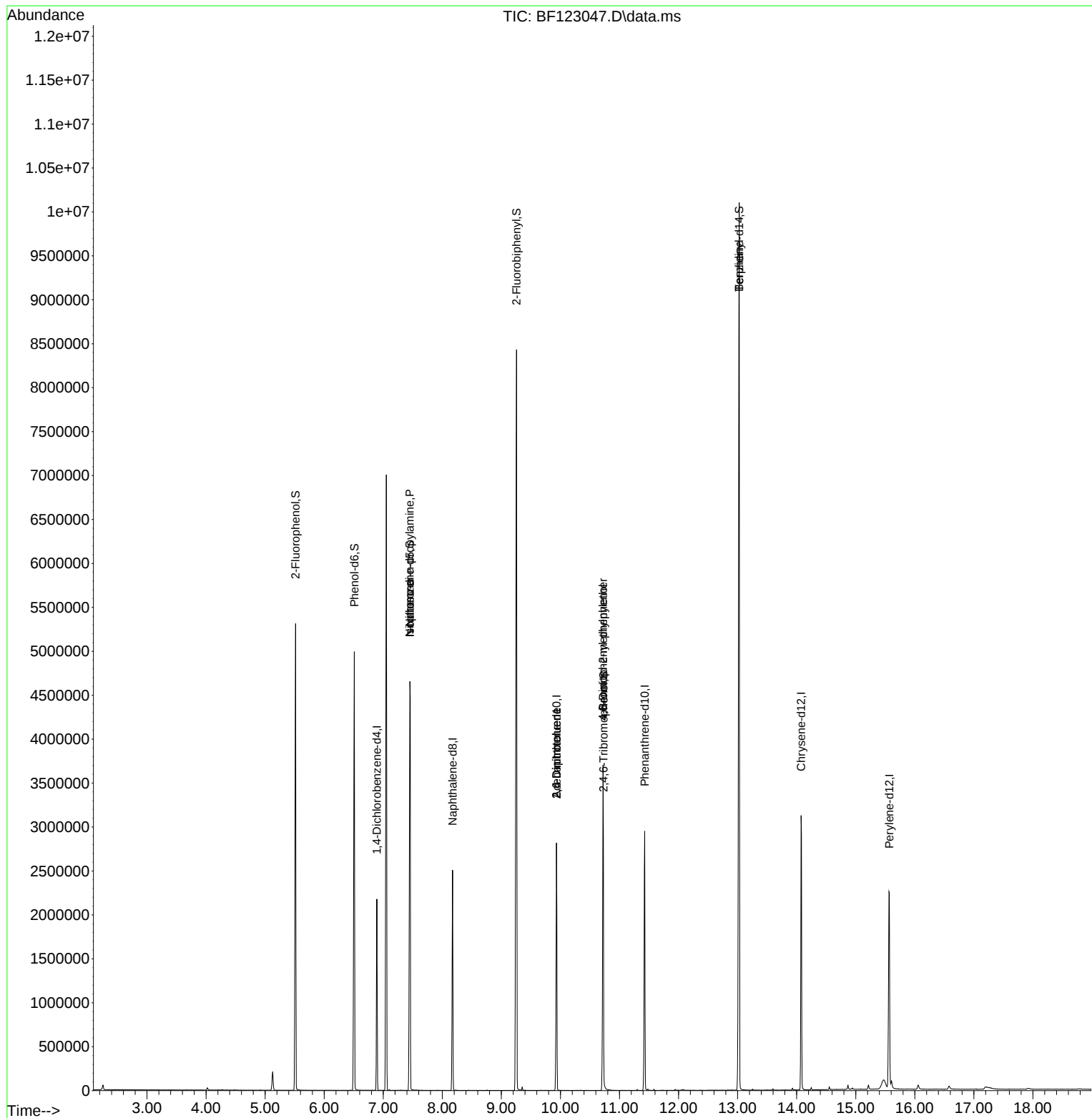
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 299632   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1162351  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 613623   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 1142820  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 1095092  | 20.00 | ng    | #-0.01   |
| 86) Perylene-d12              | 15.568 | 264  | 1089941  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1484903  | 76.45 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1853444  | 70.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1931373  | 83.62 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 484051   | 72.67 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 3246511  | 78.65 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 4212665  | 75.58 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 259762   | 16.41 | ng    | # 81     |
| 25) Isophorone                | 7.451  | 82   | 1924740  | 45.50 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 79269    | 7.73  | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 79269    | 5.94  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylph... | 10.722 | 198  | 1120     | 4.27  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 32381    | 2.22  | ng    | # 1      |
| 77) Benzydine                 | 13.027 | 184  | 54818    | 2.21  | ng    | # 92     |
| -----                         |        |      |          |       |       |          |

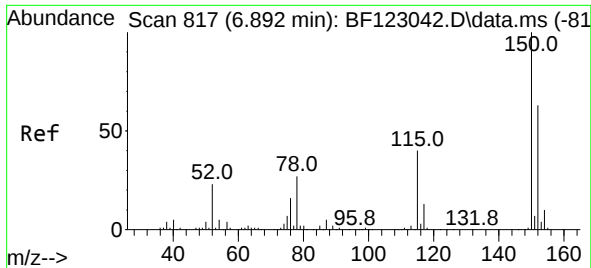
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012721\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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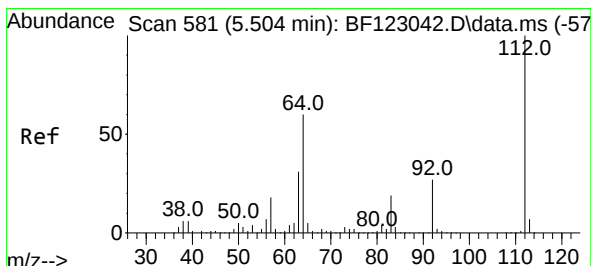
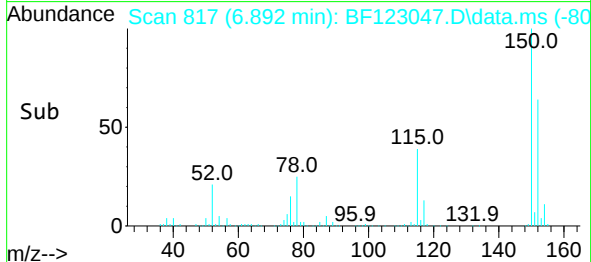
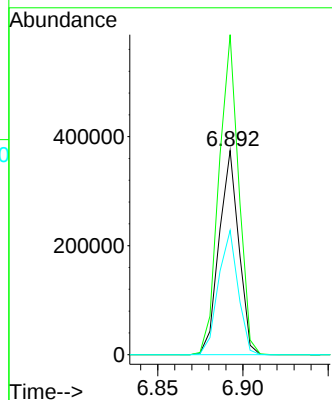
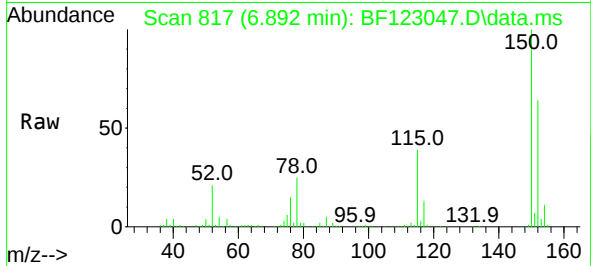




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.892 min Scan# 817  
Delta R.T. 0.000 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

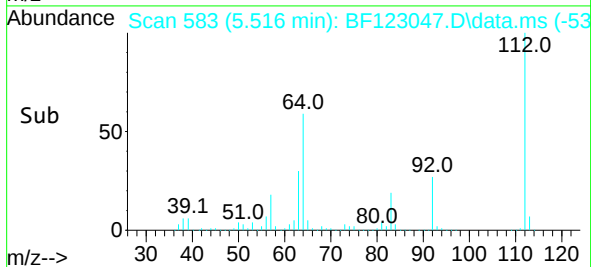
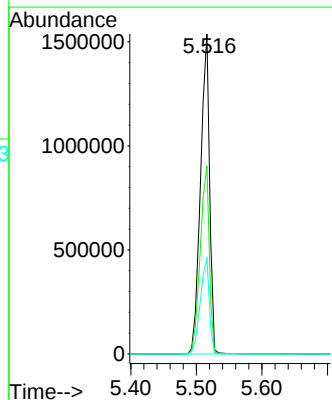
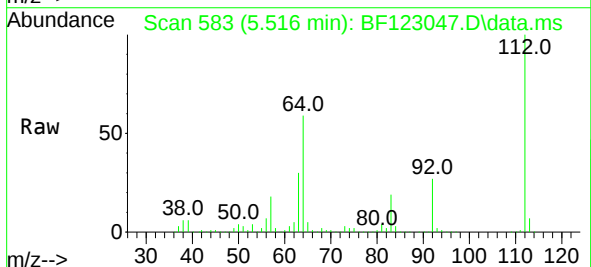
Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

Tgt Ion:152 Resp: 299632  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.8 188.6  
115 60.9 49.3 73.9



#5  
2-Fluorophenol  
Concen: 76.45 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.012 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion:112 Resp: 1484903  
Ion Ratio Lower Upper  
112 100  
64 58.8 46.9 70.3  
63 29.9 24.5 36.7

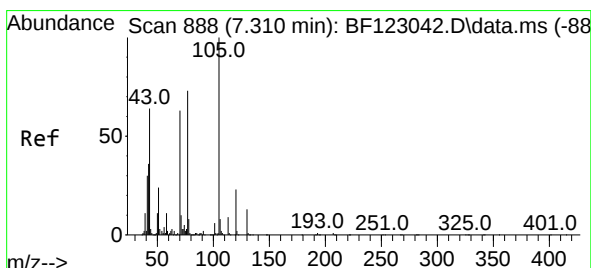
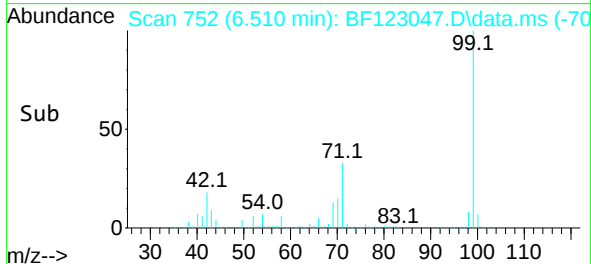
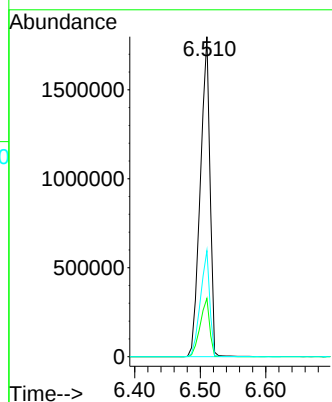
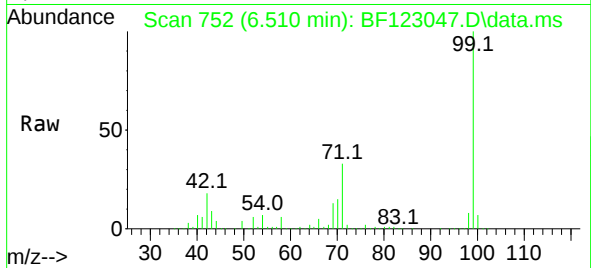




#7  
Phenol-d6  
Concen: 70.40 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

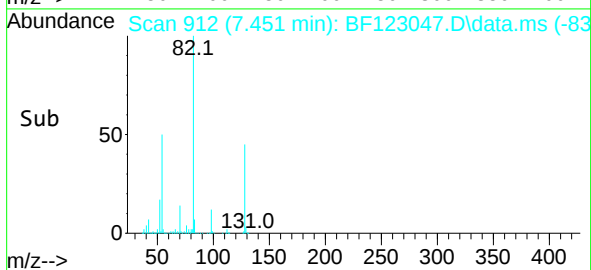
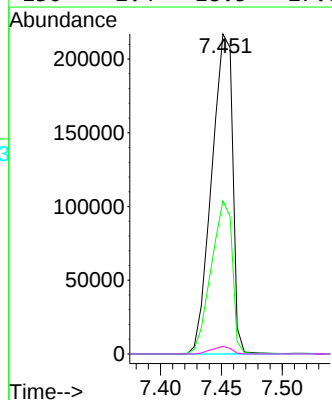
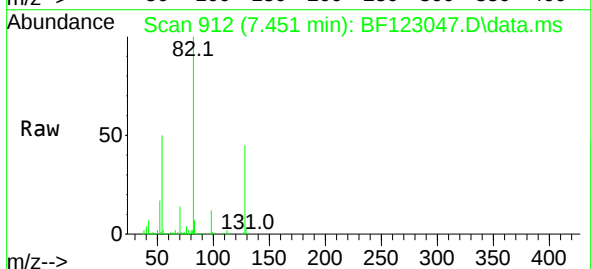
Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

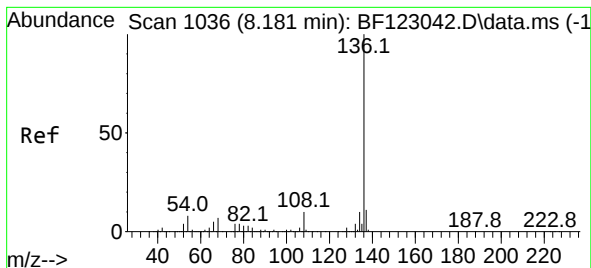
Tgt Ion: 99 Resp: 1853444  
Ion Ratio Lower Upper  
99 100  
42 18.2 13.8 20.6  
71 33.1 26.9 40.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.41 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion: 70 Resp: 259762  
Ion Ratio Lower Upper  
70 100  
42 47.9 43.0 64.4  
101 0.0 7.9 11.9#  
130 2.4 18.5 27.7#



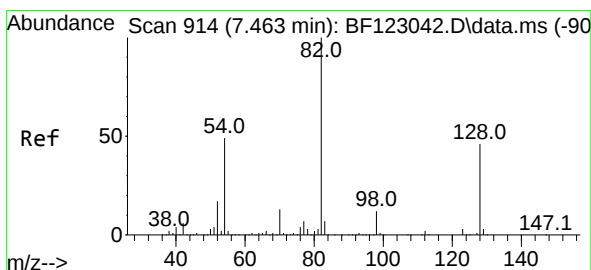
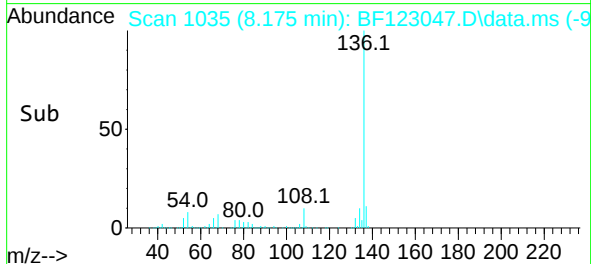
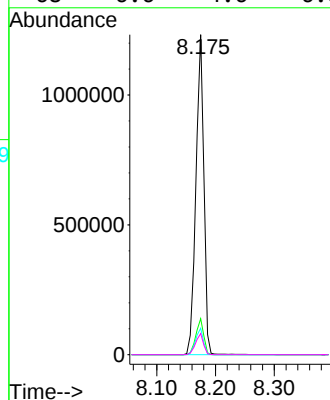
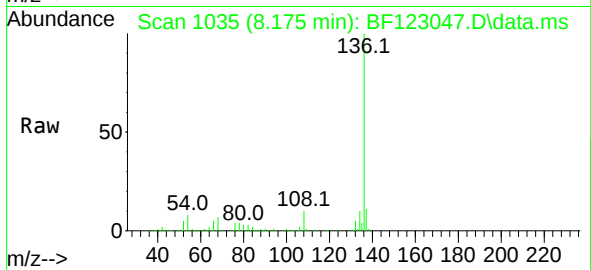


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

Tgt Ion:136 Resp: 1162351

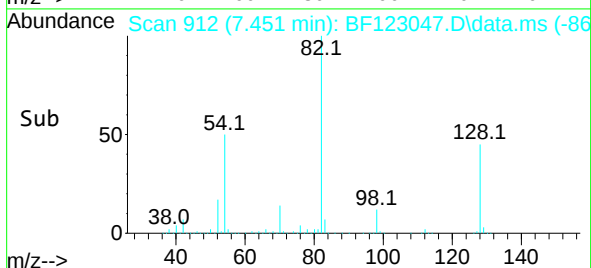
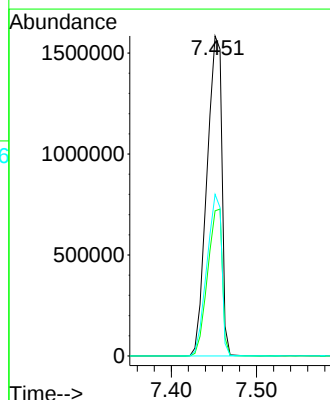
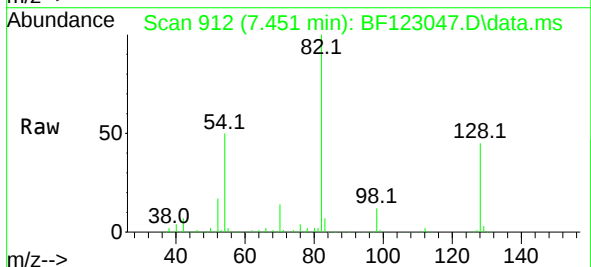
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.8   | 13.2  |
| 54  | 8.3   | 5.5   | 8.3   |
| 68  | 6.6   | 4.6   | 6.8   |

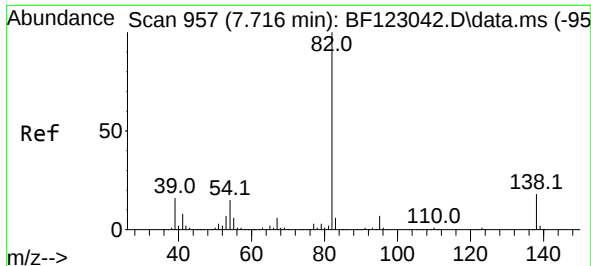


#23  
Nitrobenzene-d5  
Concen: 83.62 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion: 82 Resp: 1931373

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.4  | 37.0  | 55.4  |
| 54  | 50.5  | 38.4  | 57.6  |

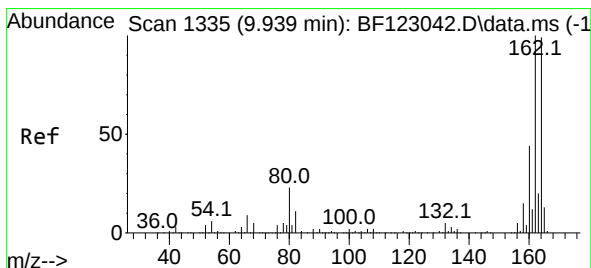
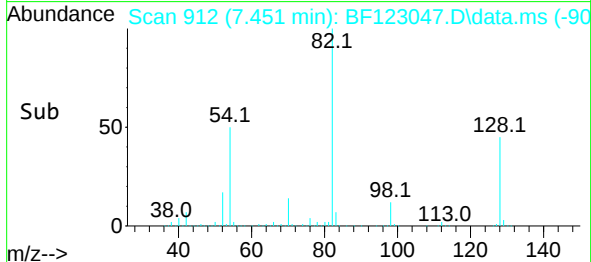
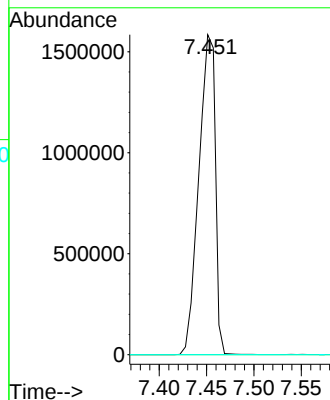
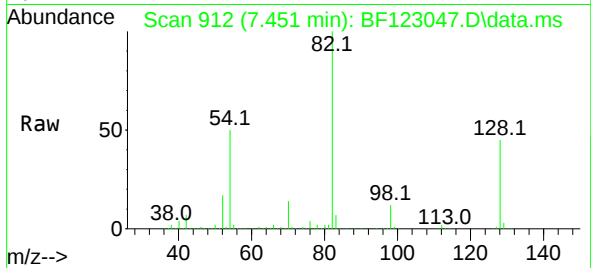




#25  
Isophorone  
Concen: 45.50 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.265 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

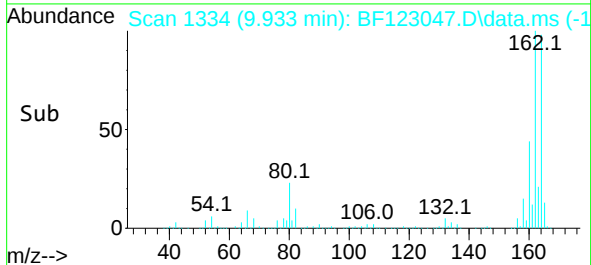
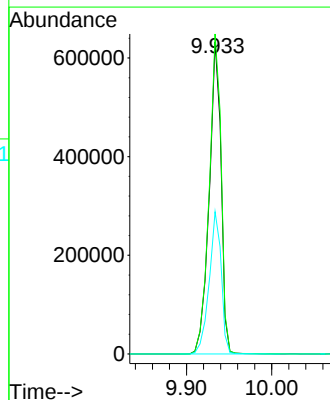
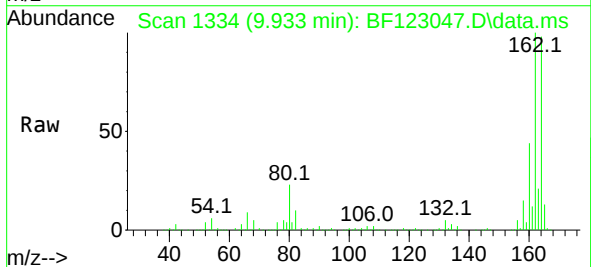
Instrument :  
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ClientSampleId :  
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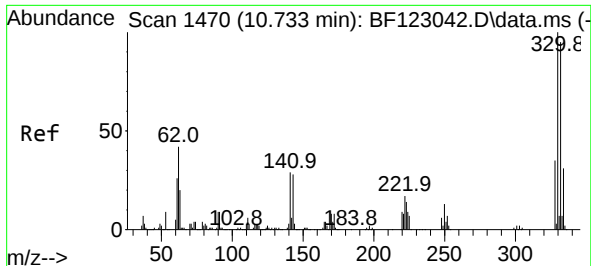
Tgt Ion: 82 Resp: 1924740  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion: 164 Resp: 613623  
Ion Ratio Lower Upper  
164 100  
162 102.6 80.8 121.2  
160 45.6 35.4 53.0

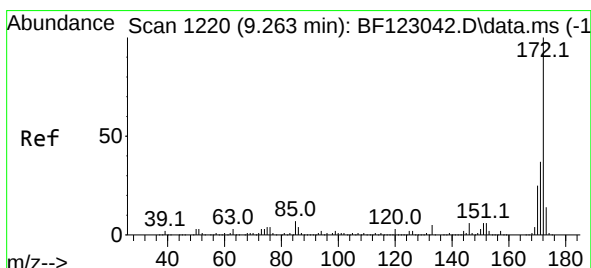
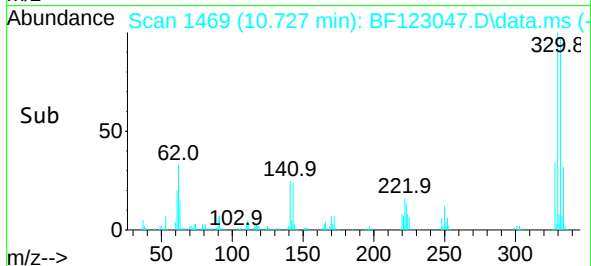
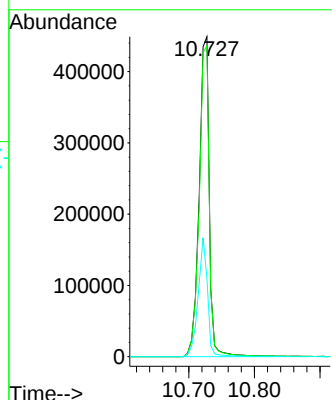
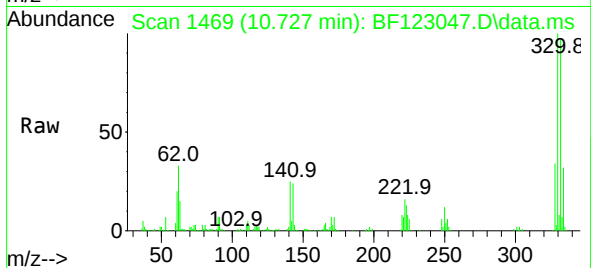




#42  
2,4,6-Tribromophenol  
Concen: 72.67 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

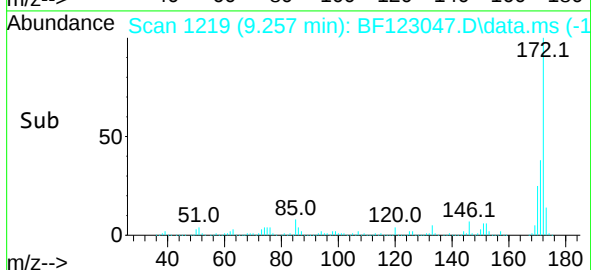
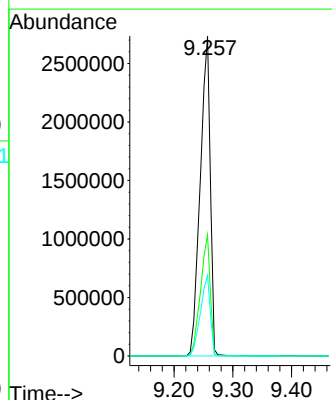
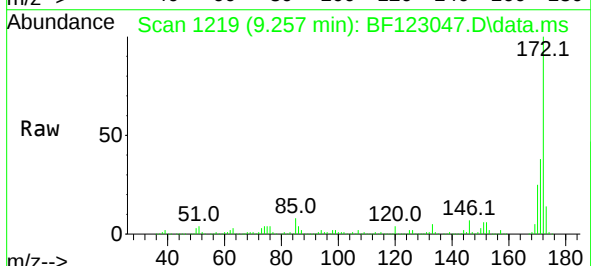
Instrument :  
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ClientSampleId :  
PB134172BL

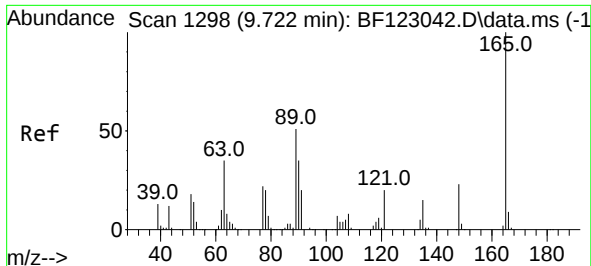
Tgt Ion: 330 Resp: 484051  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.5 116.3  
141 34.9 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 78.65 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion: 172 Resp: 3246511  
Ion Ratio Lower Upper  
172 100  
171 37.9 29.6 44.4  
170 25.3 19.5 29.3

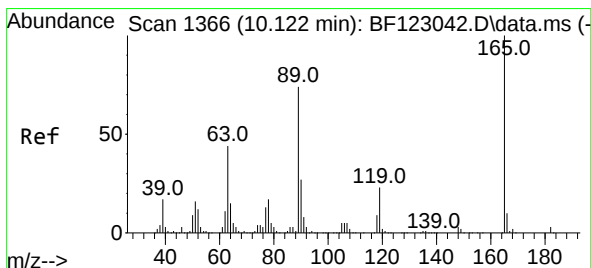
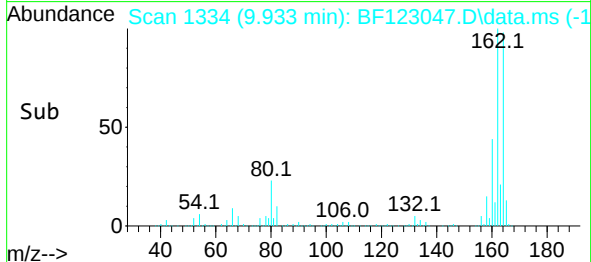
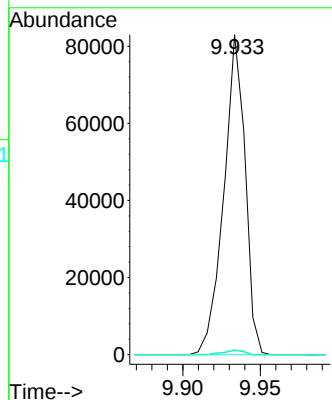
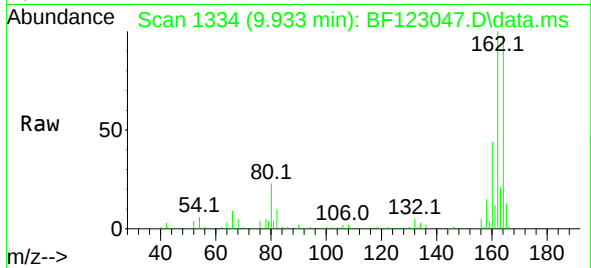




#51  
2,6-Dinitrotoluene  
Concen: 7.73 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.212 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

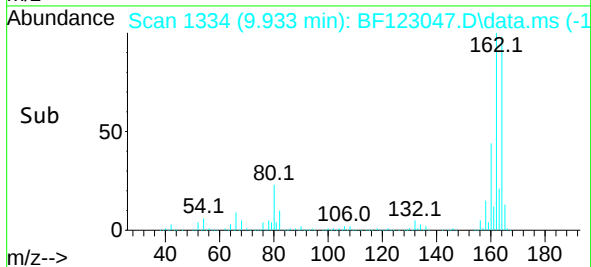
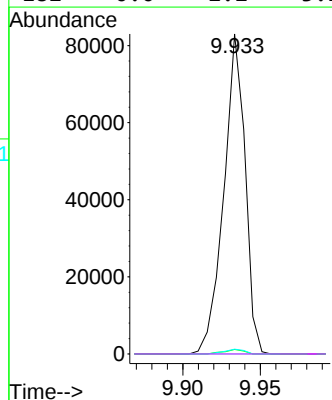
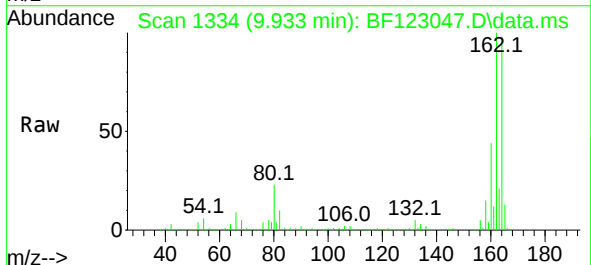
Instrument :  
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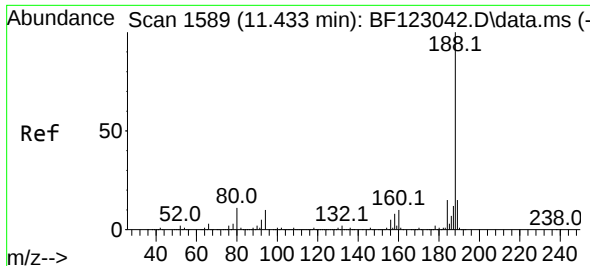
Tgt Ion:165 Resp: 79269  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.6 55.0#  
89 1.5 39.4 59.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.94 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.188 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion:165 Resp: 79269  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 1.5 55.2 82.8#  
182 0.0 2.2 3.2#

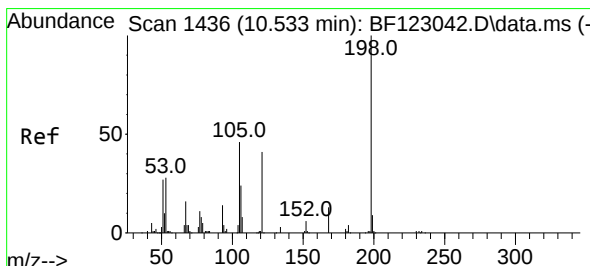
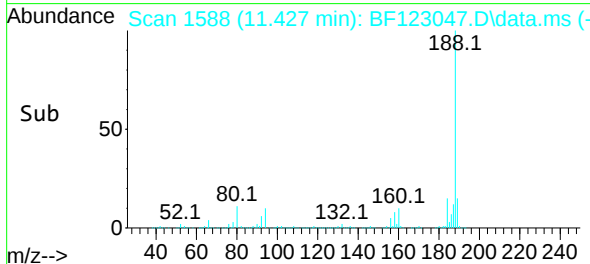
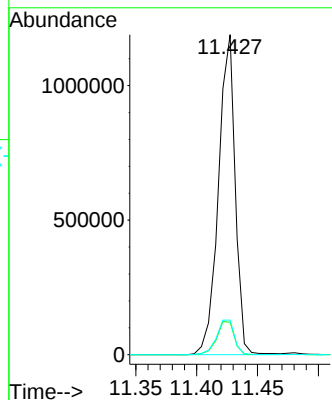
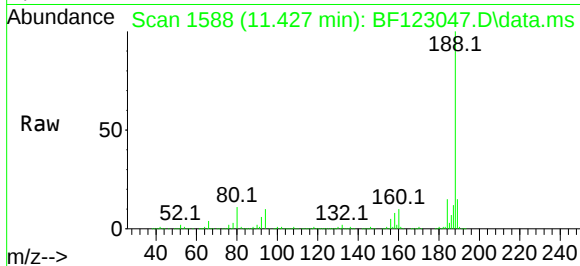




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

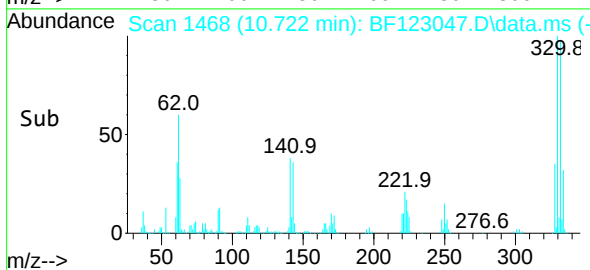
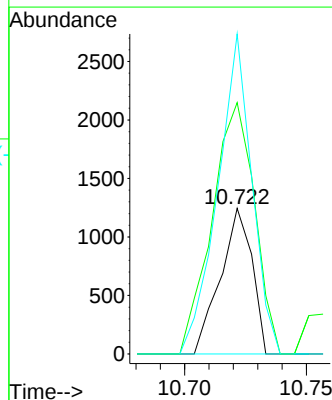
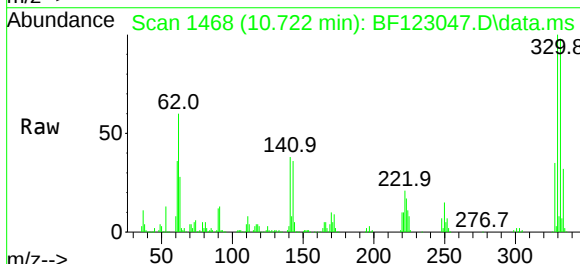
Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

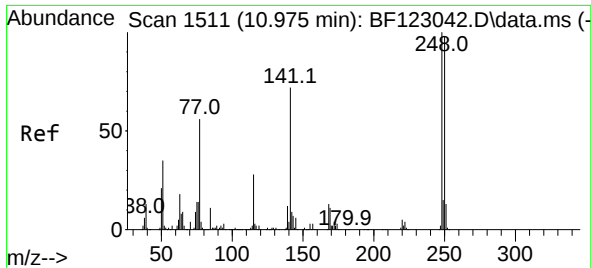
Tgt Ion:188 Resp: 1142820  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.4 11.2  
80 10.8 8.2 12.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.27 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. 0.189 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion:198 Resp: 1120  
Ion Ratio Lower Upper  
198 100  
51 172.7 20.3 60.3#  
105 219.9 23.0 63.0#

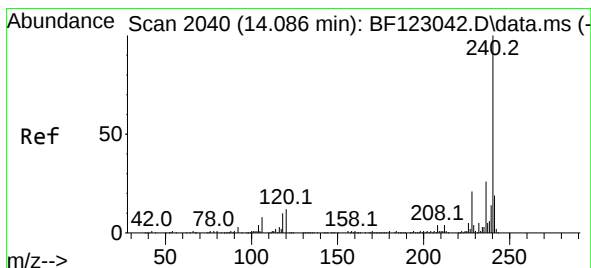
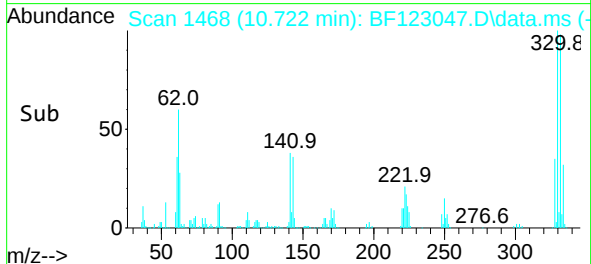
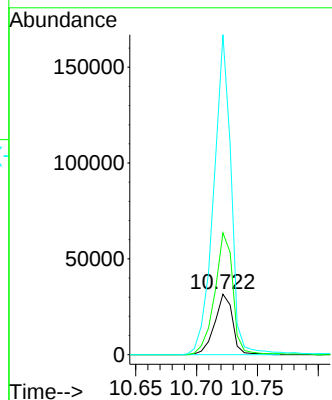
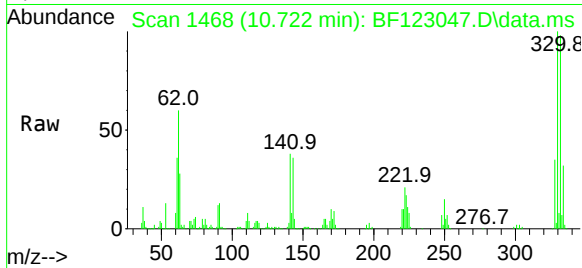




#67  
4-Bromophenyl-phenylether  
Concen: 2.22 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.253 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

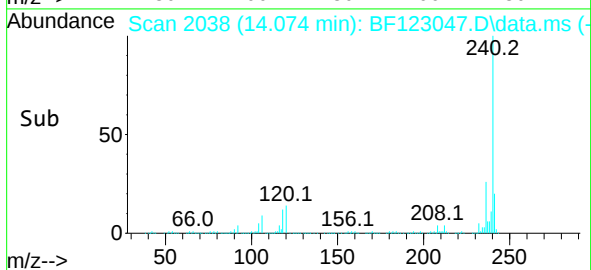
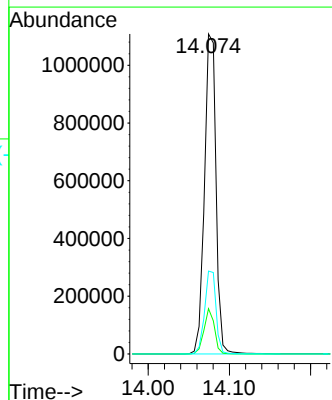
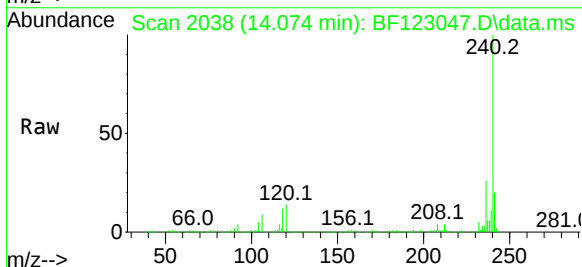
Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

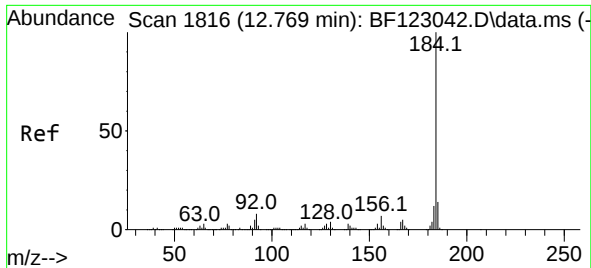
Tgt Ion:248 Resp: 32381  
Ion Ratio Lower Upper  
248 100  
250 201.0 76.8 115.2#  
141 528.4 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.012 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion:240 Resp: 1095092  
Ion Ratio Lower Upper  
240 100  
120 14.2 8.6 12.8#  
236 25.9 20.3 30.5

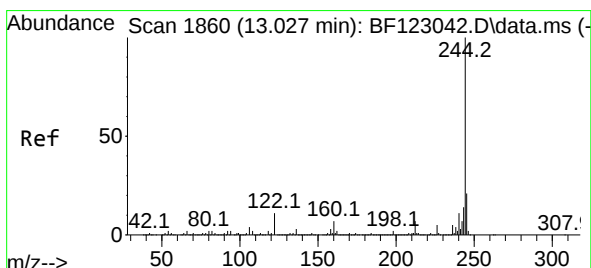
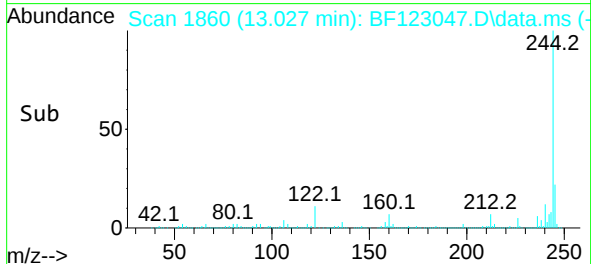
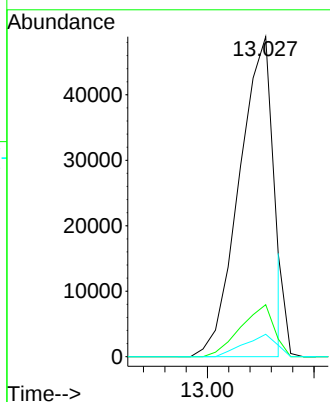
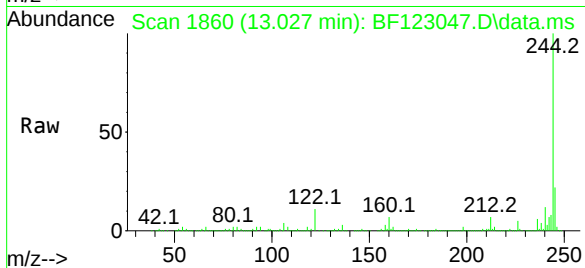




#77  
Benzidine  
Concen: 2.21 ng  
RT: 13.027 min Scan# 1860  
Delta R.T. 0.259 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

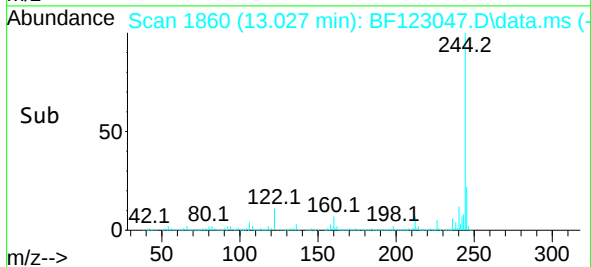
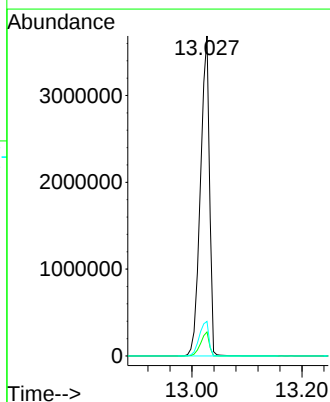
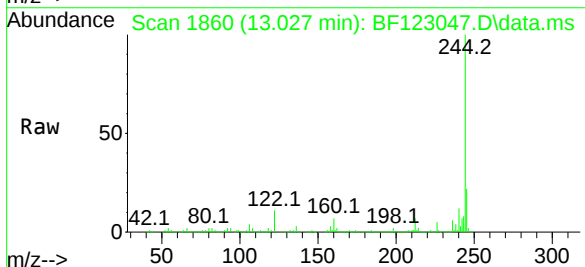
Instrument :  
BNA\_F  
ClientSampleId :  
PB134172BL

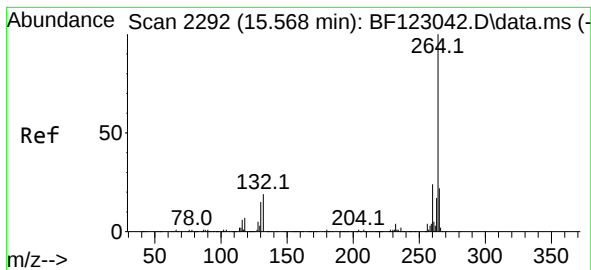
Tgt Ion:184 Resp: 54818  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.8 17.6  
183 7.0 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 75.58 ng  
RT: 13.027 min Scan# 1860  
Delta R.T. -0.000 min  
Lab File: BF123047.D  
Acq: 27 Jan 2021 17:20

Tgt Ion:244 Resp: 4212665  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.7 8.5  
122 10.8 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.568 min Scan# 2292  
 Delta R.T. -0.000 min  
 Lab File: BF123047.D  
 Acq: 27 Jan 2021 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134172BL

Tgt Ion:264 Resp: 1089941  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.6 28.0  
 265 21.4 17.0 25.6

