

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050621\  
 Data File : BF123848.D  
 Acq On : 6 May 2021 11:41  
 Operator : JU/CG  
 Sample : M2256-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R1-A-D-COMP

Quant Time: May 06 12:12:30 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 05 13:09:28 2021  
 Response via : Initial Calibration

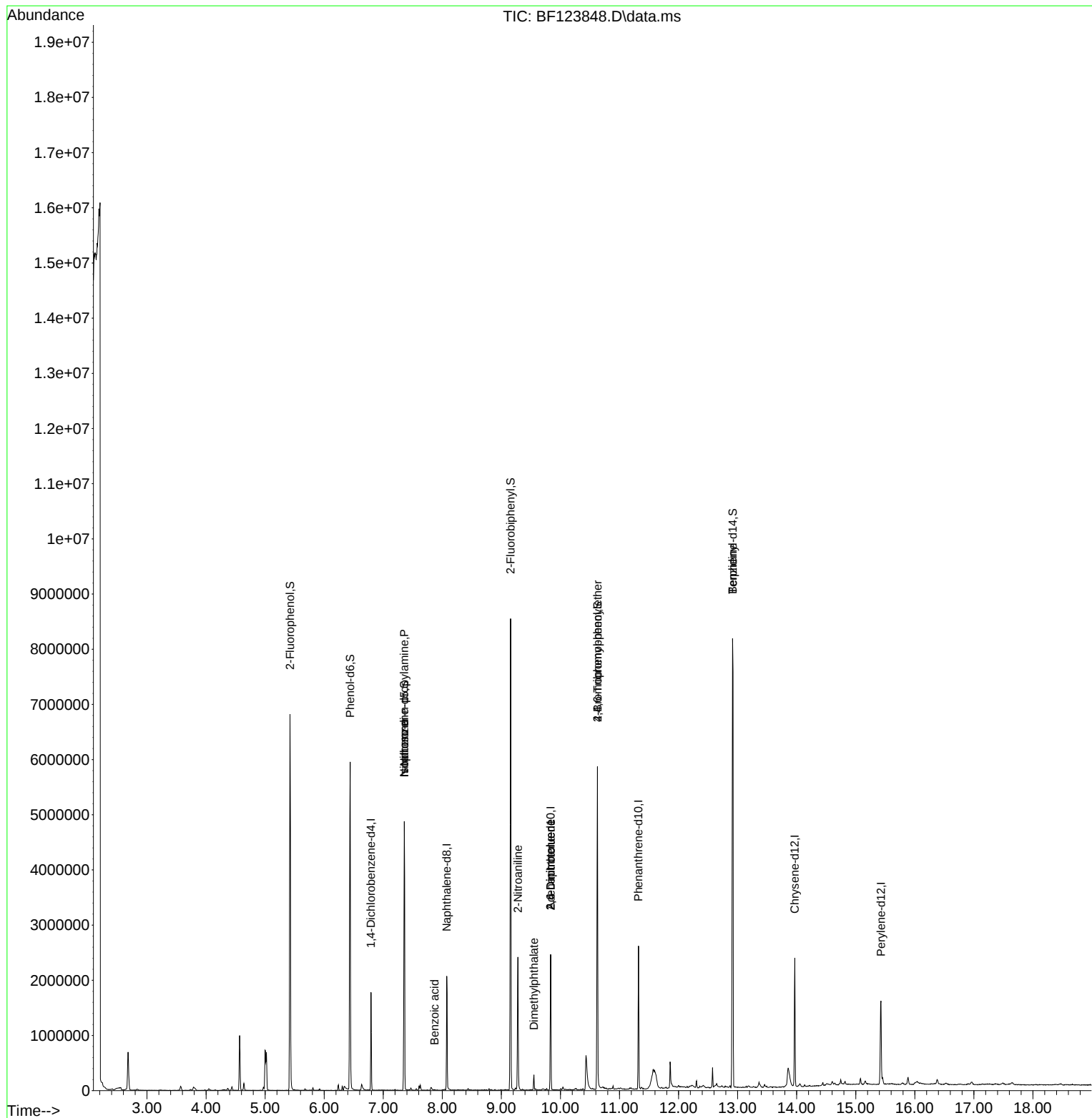
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 212369   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 830136   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.833  | 164  | 419815   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.321 | 188  | 844748   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 761698   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.427 | 264  | 705010   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1587777  | 118.45 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.439  | 99   | 1847067  | 100.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 1576776  | 85.74  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 685998   | 131.26 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 2466084  | 85.55  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.915 | 244  | 3004389  | 75.95  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 214657   | 18.83  | ng    | # 73     |
| 25) Isophorone                | 7.357  | 82   | 1576755  | 45.73  | ng    | # 69     |
| 32) Benzoic acid              | 7.869  | 122  | 4348     | 5.85   | ng    | # 53     |
| 48) 2-Nitroaniline            | 9.280  | 65   | 25639    | 2.24   | ng    | # 19     |
| 50) Dimethylphthalate         | 9.551  | 163  | 92437    | 3.13   | ng    | # 99     |
| 51) 2,6-Dinitrotoluene        | 9.833  | 165  | 53810    | 7.87   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.833  | 165  | 53810    | 5.77   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.627 | 248  | 38407    | 4.32   | ng    | # 1      |
| 77) Benzidine                 | 12.915 | 184  | 41981    | 2.13   | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

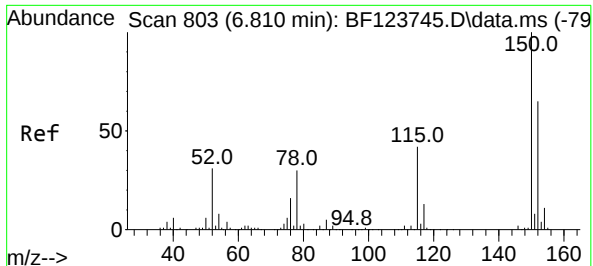
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050621\  
Data File : BF123848.D  
Acq On : 6 May 2021 11:41  
Operator : JU/CG  
Sample : M2256-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

Quant Time: May 06 12:12:30 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 05 13:09:28 2021  
Response via : Initial Calibration

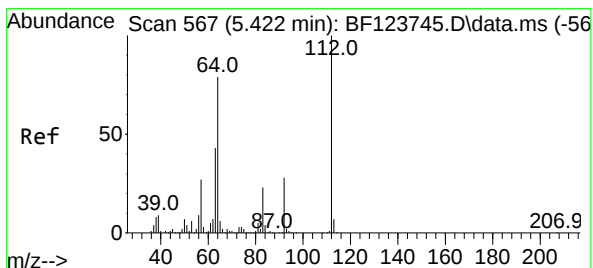
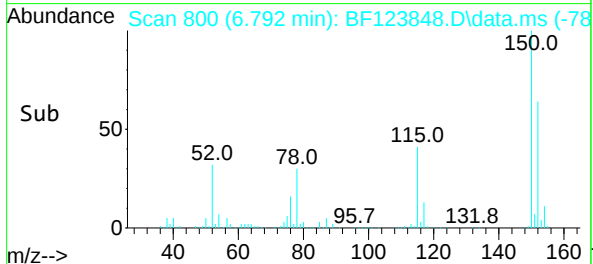
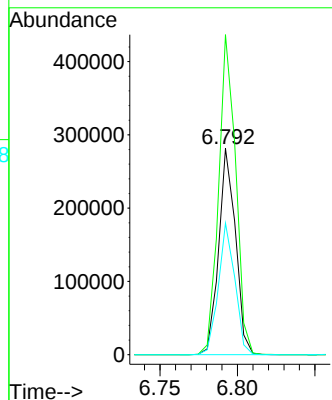
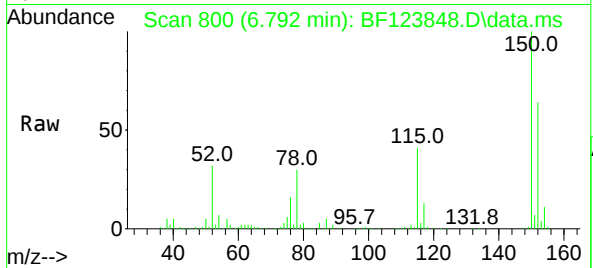




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.792 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

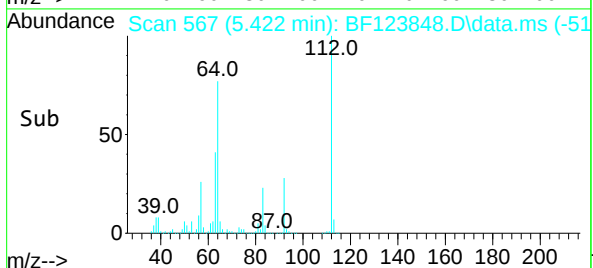
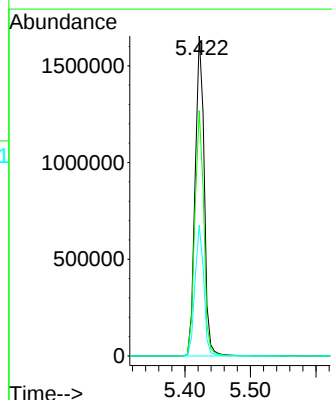
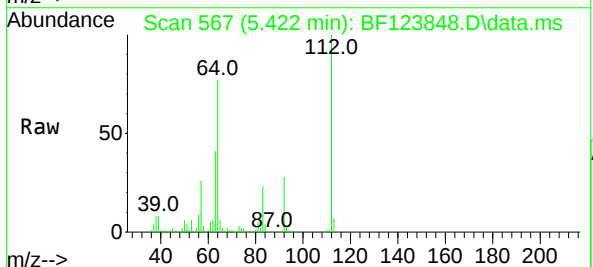
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

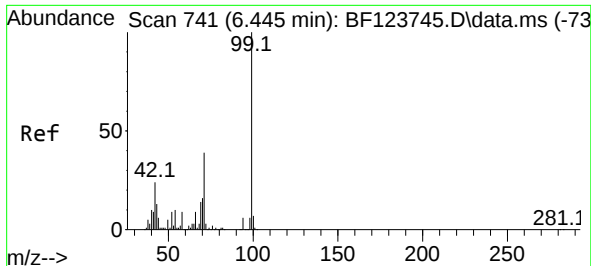
Tgt Ion:152 Resp: 212369  
Ion Ratio Lower Upper  
152 100  
150 155.2 127.0 190.6  
115 63.8 54.3 81.5



#5  
2-Fluorophenol  
Concen: 118.45 ng  
RT: 5.422 min Scan# 567  
Delta R.T. 0.011 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion:112 Resp: 1587777  
Ion Ratio Lower Upper  
112 100  
64 76.7 61.4 92.0  
63 40.9 33.0 49.4



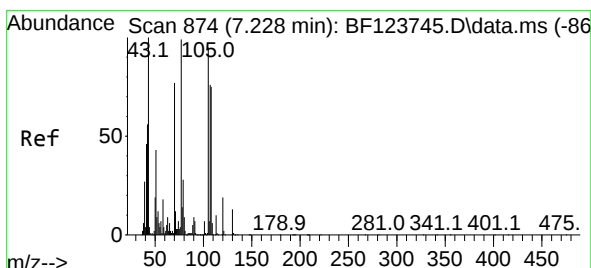
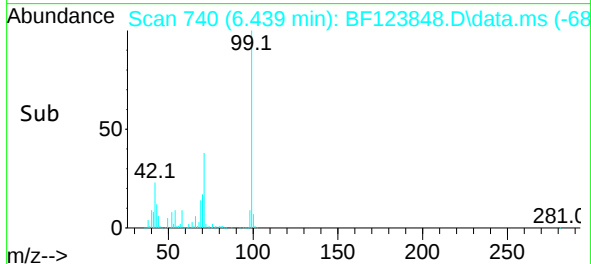
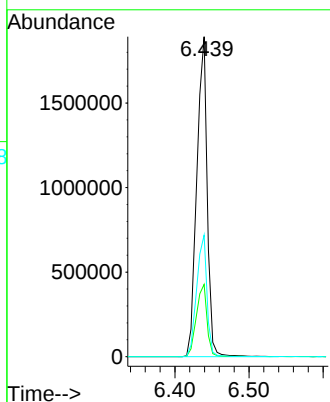
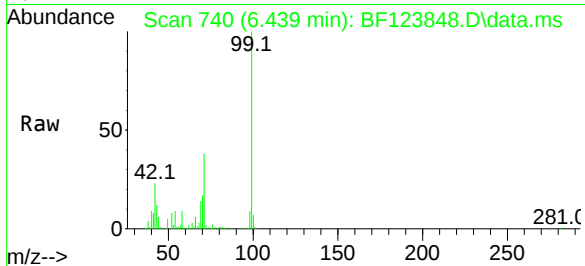


#7  
Phenol-d6  
Concen: 100.03 ng  
RT: 6.439 min Scan# 740  
Delta R.T. -0.000 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

Tgt Ion: 99 Resp: 1847067

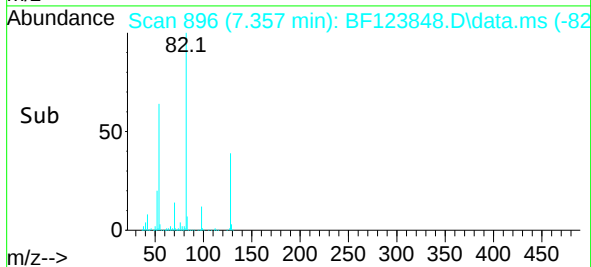
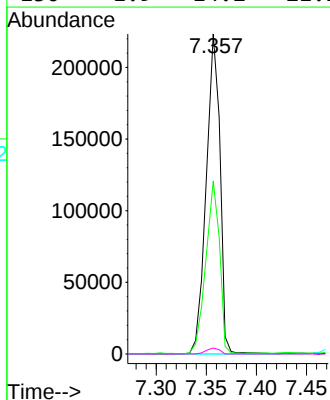
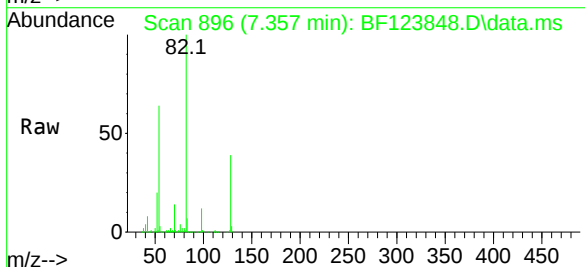
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.6  | 19.8  | 29.8  |
| 71  | 38.0  | 31.1  | 46.7  |

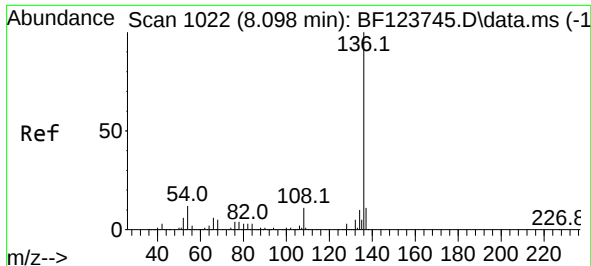


#19  
n-Nitroso-di-n-propylamine  
Concen: 18.83 ng  
RT: 7.357 min Scan# 896  
Delta R.T. 0.141 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion: 70 Resp: 214657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 54.1  | 60.1  | 90.1# |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 1.9   | 14.2  | 21.2# |

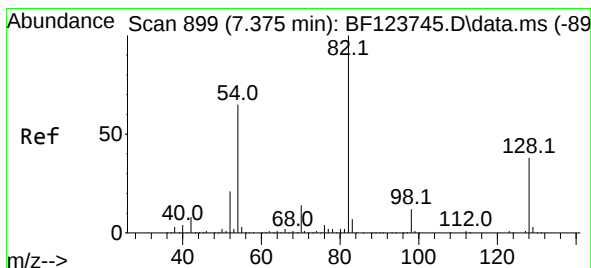
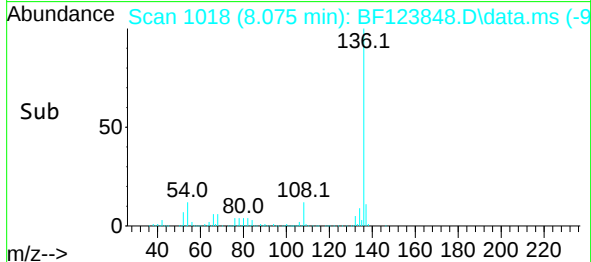
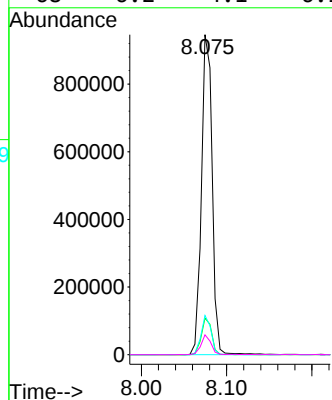
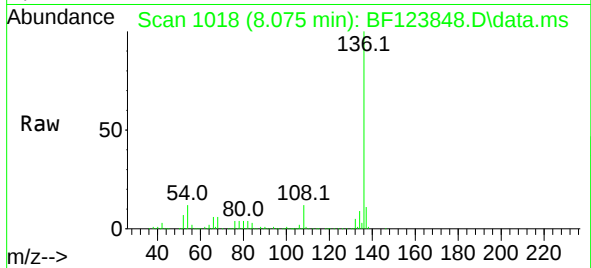




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

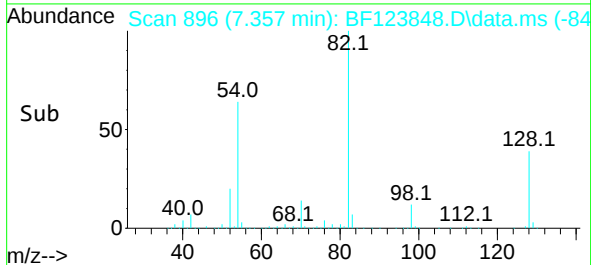
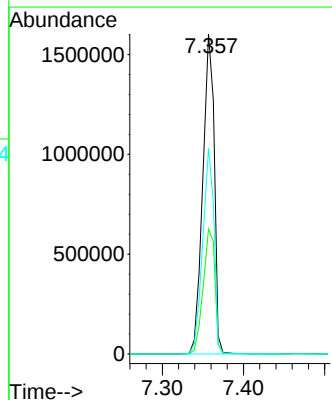
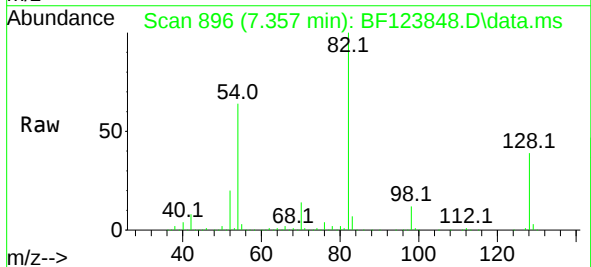
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

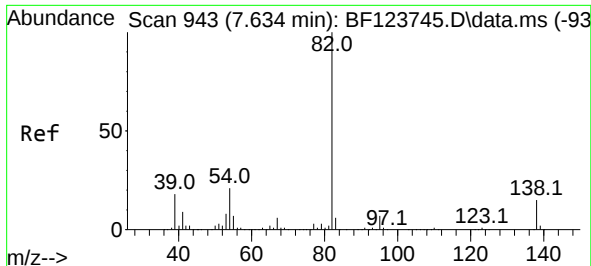
Tgt Ion:136 Resp: 830136  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.7 13.1  
54 12.2 9.8 14.6  
68 6.2 4.1 6.1#



#23  
Nitrobenzene-d5  
Concen: 85.74 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion: 82 Resp: 1576776  
Ion Ratio Lower Upper  
82 100  
128 39.0 29.4 44.2  
54 64.4 54.1 81.1

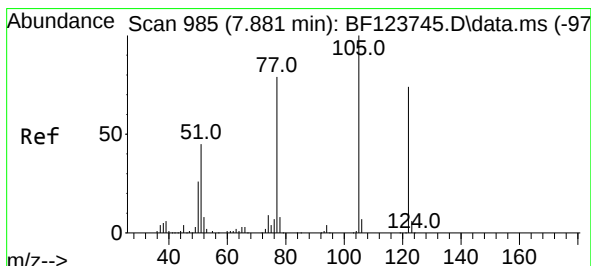
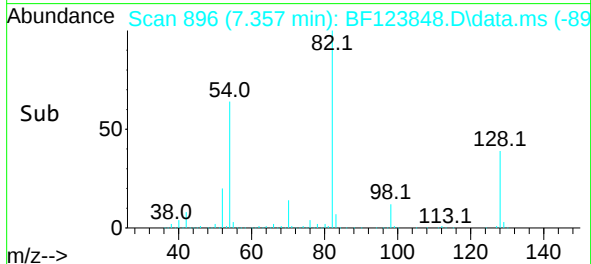
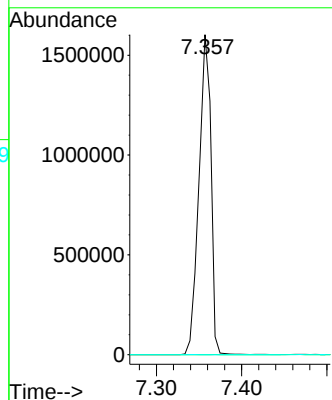
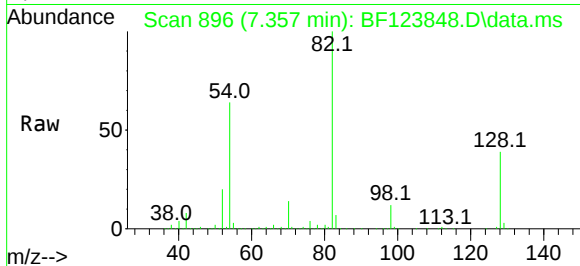




#25  
Isophorone  
Concen: 45.73 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

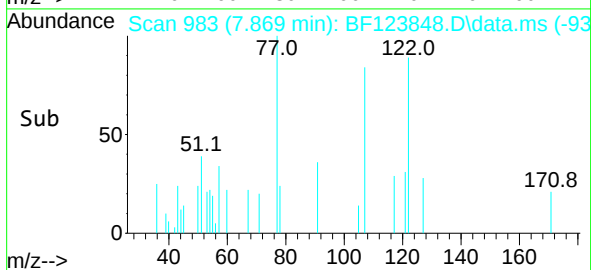
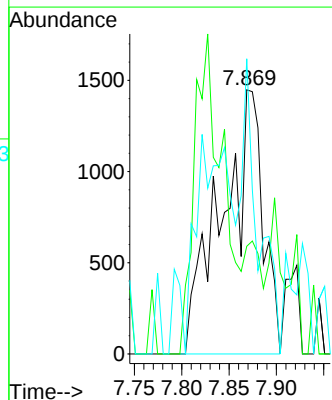
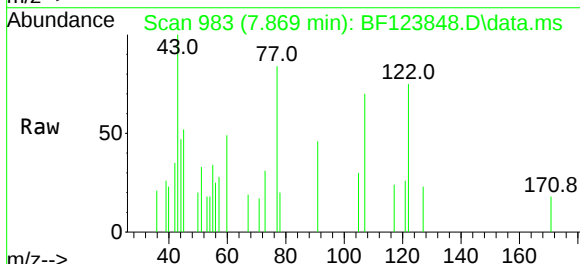
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

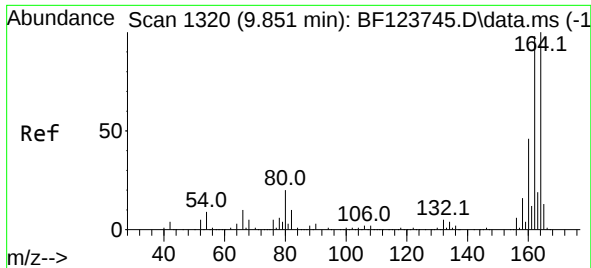
Tgt Ion: 82 Resp: 1576755  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#32  
Benzoic acid  
Concen: 5.85 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion:122 Resp: 4348  
Ion Ratio Lower Upper  
122 100  
105 40.7 107.8 147.8#  
77 111.7 81.6 121.6

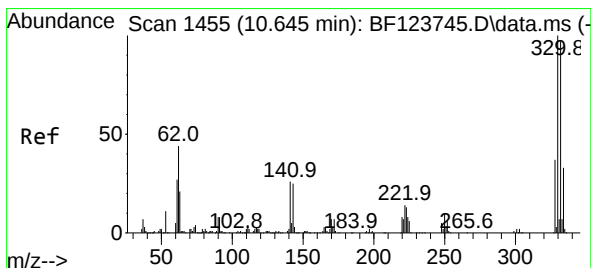
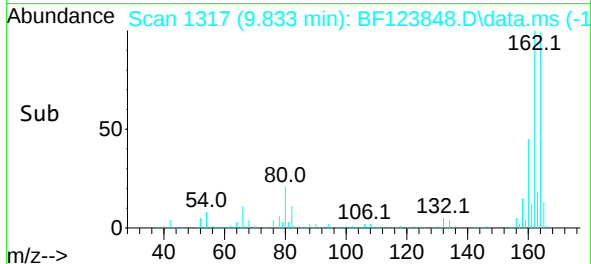
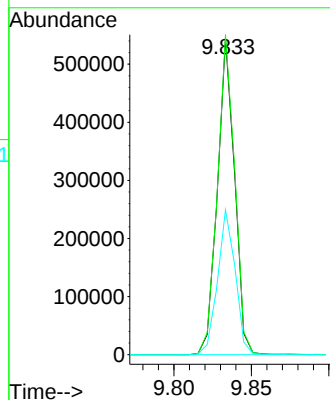
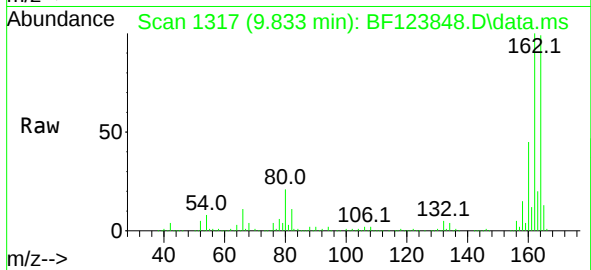




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

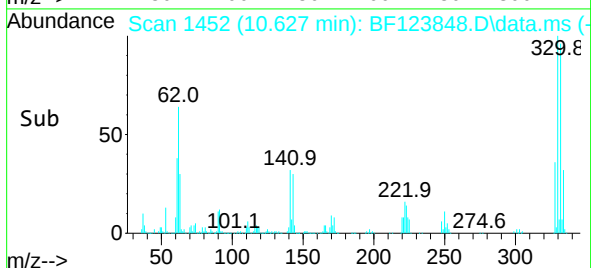
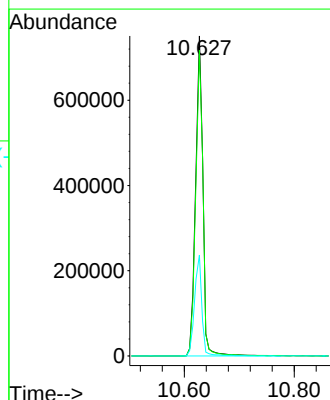
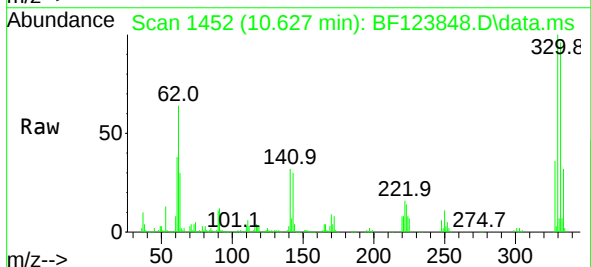
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

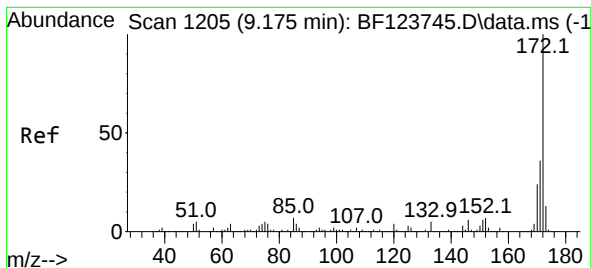
Tgt Ion:164 Resp: 419815  
Ion Ratio Lower Upper  
164 100  
162 101.1 80.7 121.1  
160 45.8 37.3 55.9



#42  
2,4,6-Tribromophenol  
Concen: 131.26 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion:330 Resp: 685998  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.1 115.7  
141 31.7 27.9 41.9

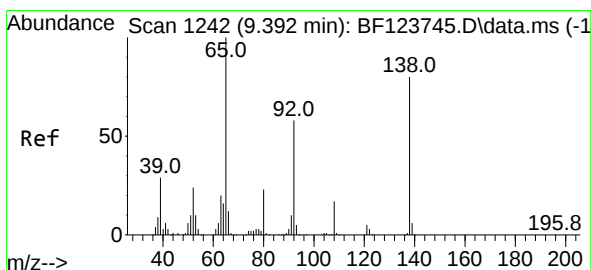
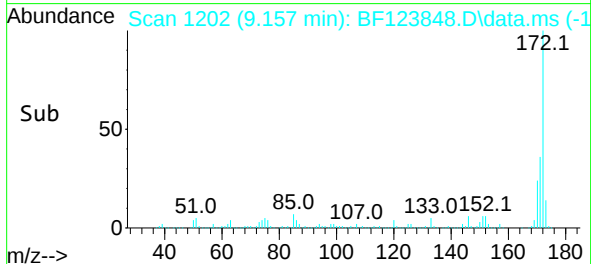
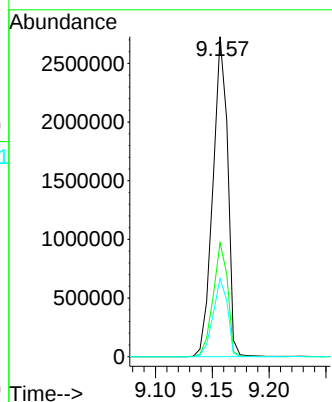
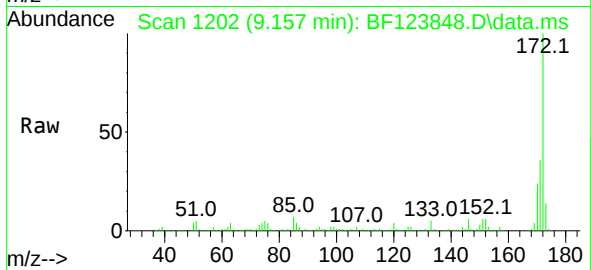




#45  
2-Fluorobiphenyl  
Concen: 85.55 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

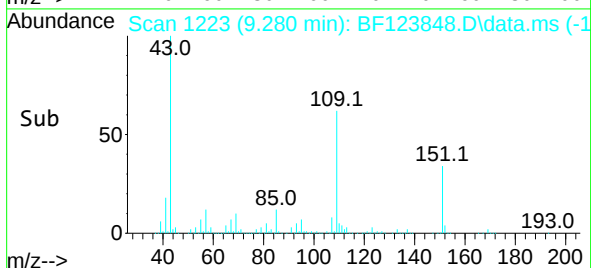
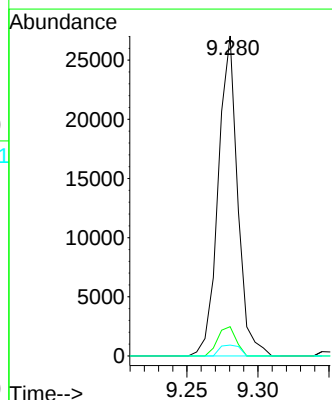
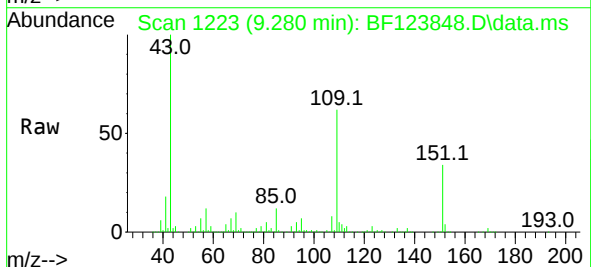
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

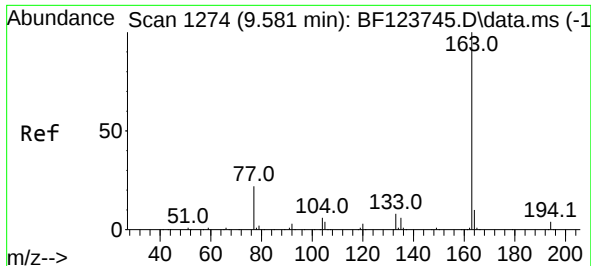
Tgt Ion:172 Resp: 2466084  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.1 42.1  
170 24.4 19.2 28.8



#48  
2-Nitroaniline  
Concen: 2.24 ng  
RT: 9.280 min Scan# 1223  
Delta R.T. -0.100 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Tgt Ion: 65 Resp: 25639  
Ion Ratio Lower Upper  
65 100  
92 9.2 47.1 70.7#  
138 3.4 70.2 105.2#

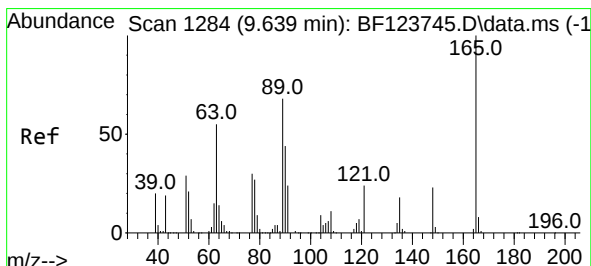
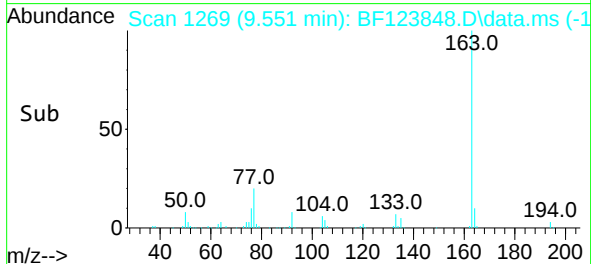
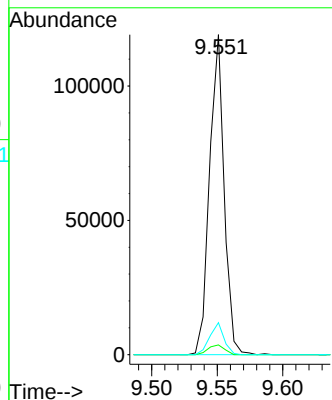
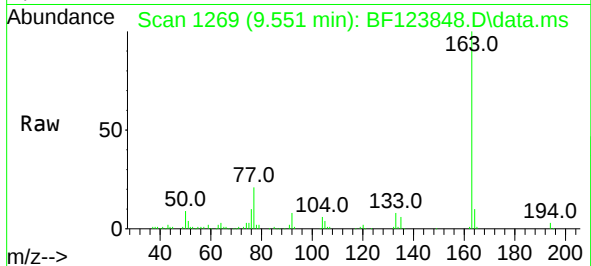




#50  
Dimethylphthalate  
Concen: 3.13 ng  
RT: 9.551 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

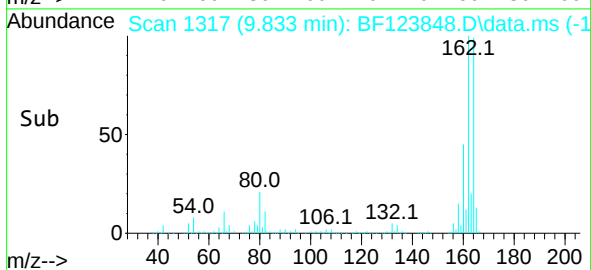
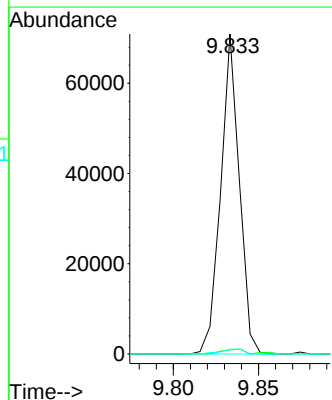
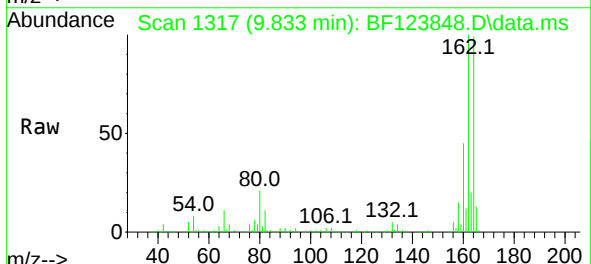
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

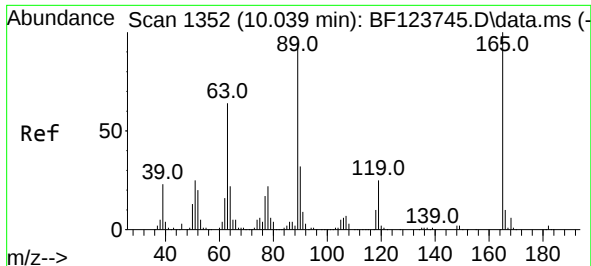
Tgt Ion:163 Resp: 92437  
Ion Ratio Lower Upper  
163 100  
194 3.0 3.1 4.7#  
164 10.0 8.2 12.2



#51  
2,6-Dinitrotoluene  
Concen: 7.87 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.206 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

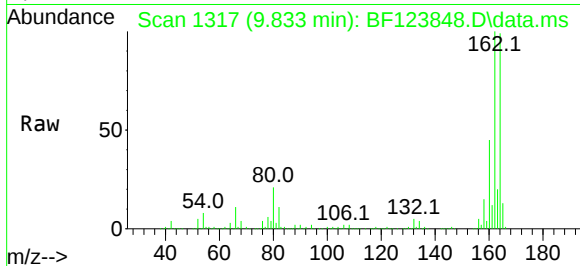
Tgt Ion:165 Resp: 53810  
Ion Ratio Lower Upper  
165 100  
63 1.2 67.7 101.5#  
89 1.5 58.8 88.2#



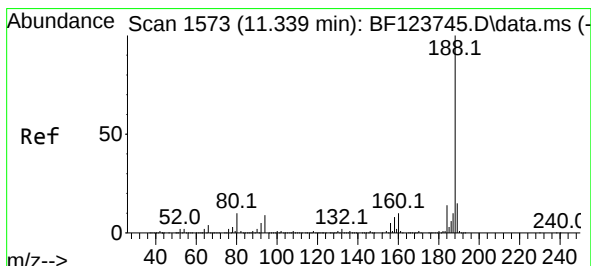
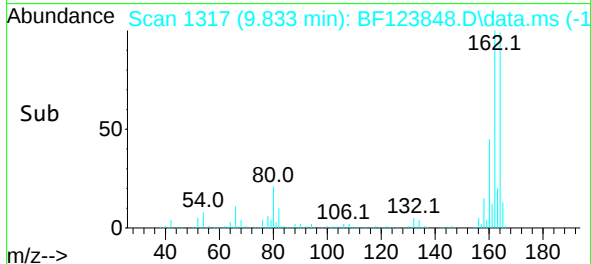
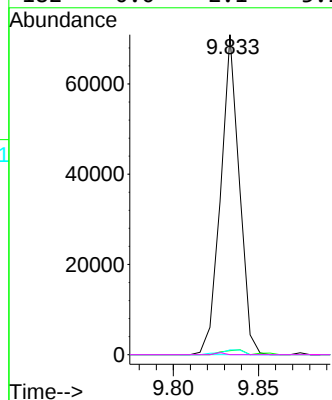


#57  
2,4-Dinitrotoluene  
Concen: 5.77 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. -0.200 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP

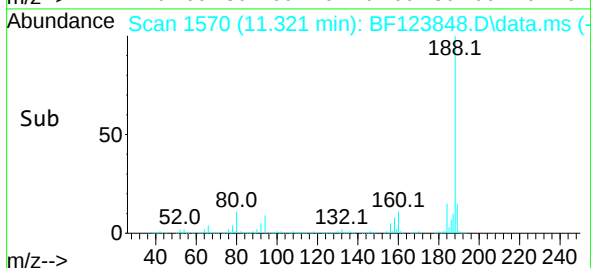
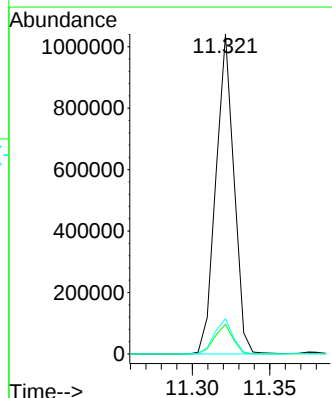
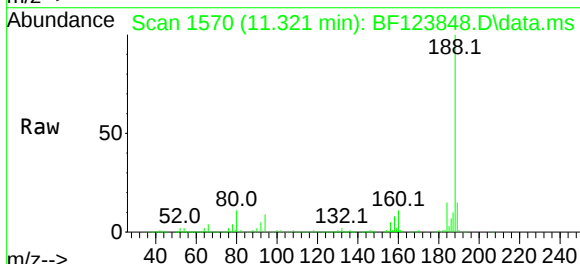


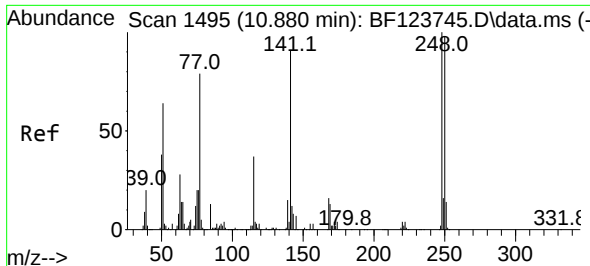
Tgt Ion:165 Resp: 53810  
Ion Ratio Lower Upper  
165 100  
63 1.2 43.5 65.3#  
89 1.5 67.7 101.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.321 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

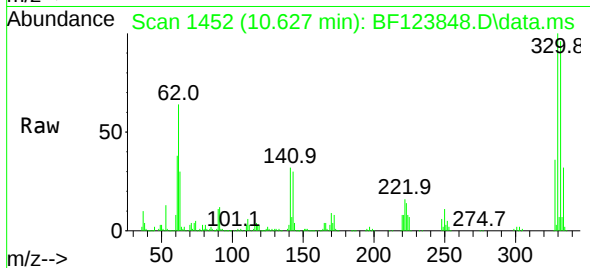
Tgt Ion:188 Resp: 844748  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.9 10.3  
80 11.0 8.2 12.2



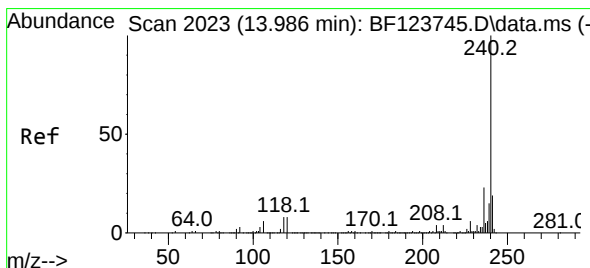
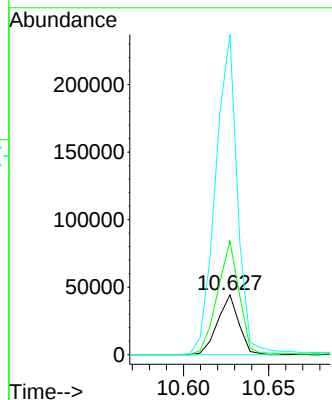
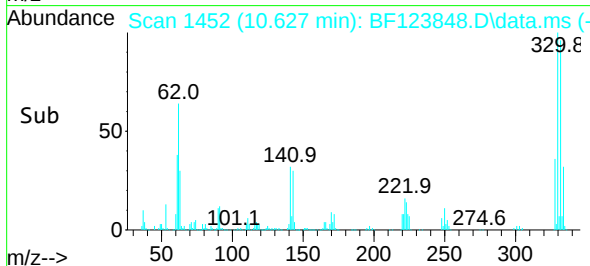


#67  
4-Bromophenyl-phenylether  
Concen: 4.32 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. -0.247 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41

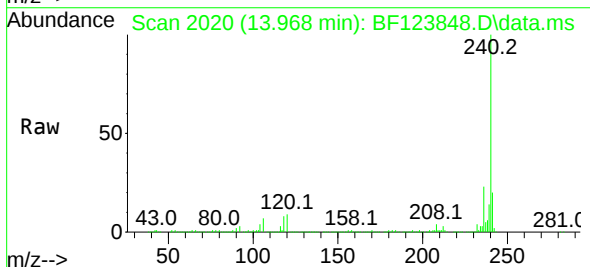
Instrument :  
BNA\_F  
ClientSampleId :  
R1-A-D-COMP



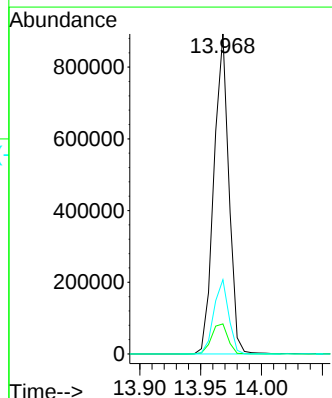
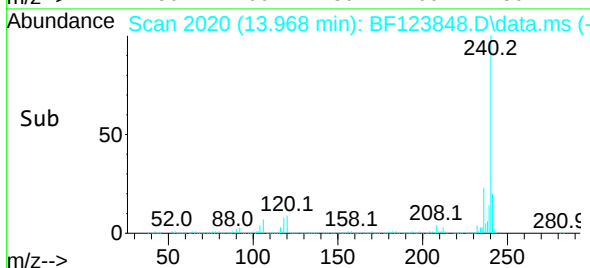
Tgt Ion:248 Resp: 38407  
Ion Ratio Lower Upper  
248 100  
250 189.7 77.4 116.2#  
141 535.1 63.7 95.5#

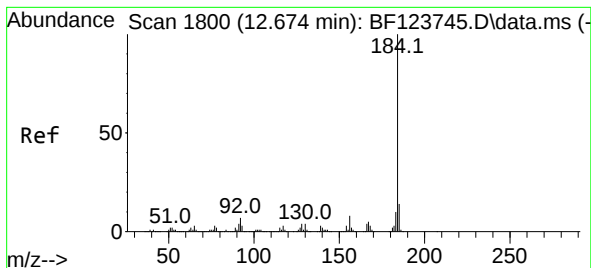


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF123848.D  
Acq: 6 May 2021 11:41



Tgt Ion:240 Resp: 761698  
Ion Ratio Lower Upper  
240 100  
120 9.4 7.2 10.8  
236 23.2 19.0 28.4





#77

Benzidine

Concen: 2.13 ng

RT: 12.915 min Scan# 1841

Delta R.T. 0.253 min

Lab File: BF123848.D

Acq: 6 May 2021 11:41

Instrument :

BNA\_F

ClientSampleId :

R1-A-D-COMP

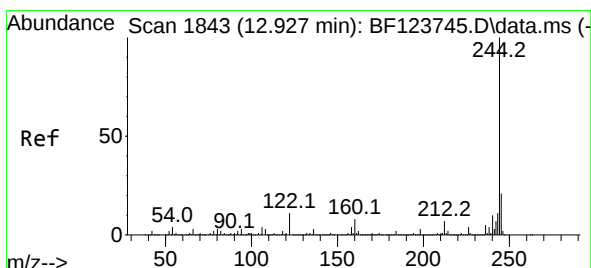
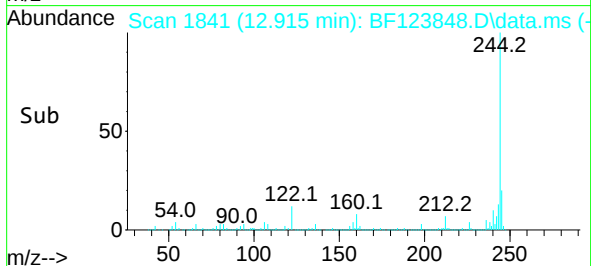
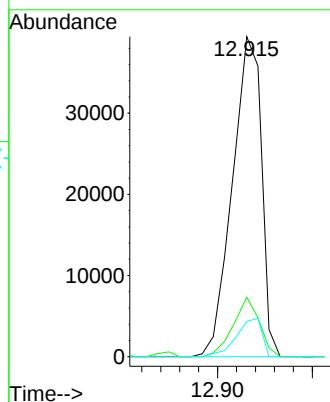
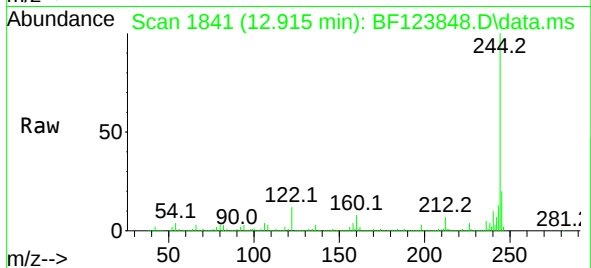
Tgt Ion:184 Resp: 41981

Ion Ratio Lower Upper

184 100

185 18.6 12.1 18.1#

183 11.1 7.8 11.8



#79

Terphenyl-d14

Concen: 75.95 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BF123848.D

Acq: 6 May 2021 11:41

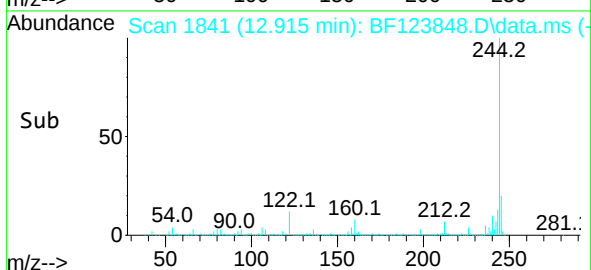
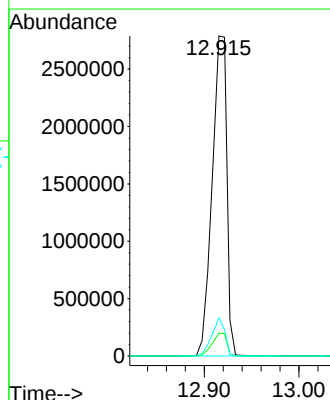
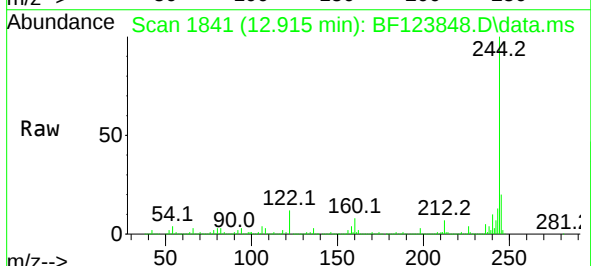
Tgt Ion:244 Resp: 3004389

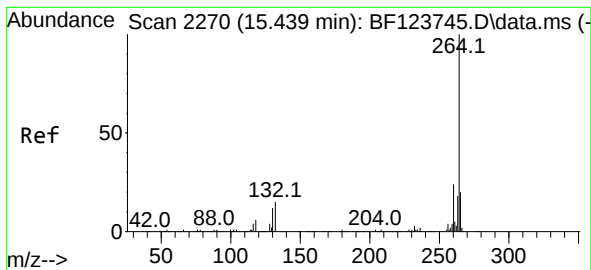
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 11.9 9.7 14.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.427 min Scan# 2268  
 Delta R.T. -0.000 min  
 Lab File: BF123848.D  
 Acq: 6 May 2021 11:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R1-A-D-COMP

Tgt Ion:264 Resp: 705010  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.7 28.1  
 265 22.2 17.8 26.8

