

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042021\  
 Data File : BF123656.D  
 Acq On : 20 Apr 2021 22:28  
 Operator : JU/CG  
 Sample : M2076-19  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-0-2.0

Quant Time: Apr 21 01:22:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF041521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 20 15:49:40 2021  
 Response via : Initial Calibration

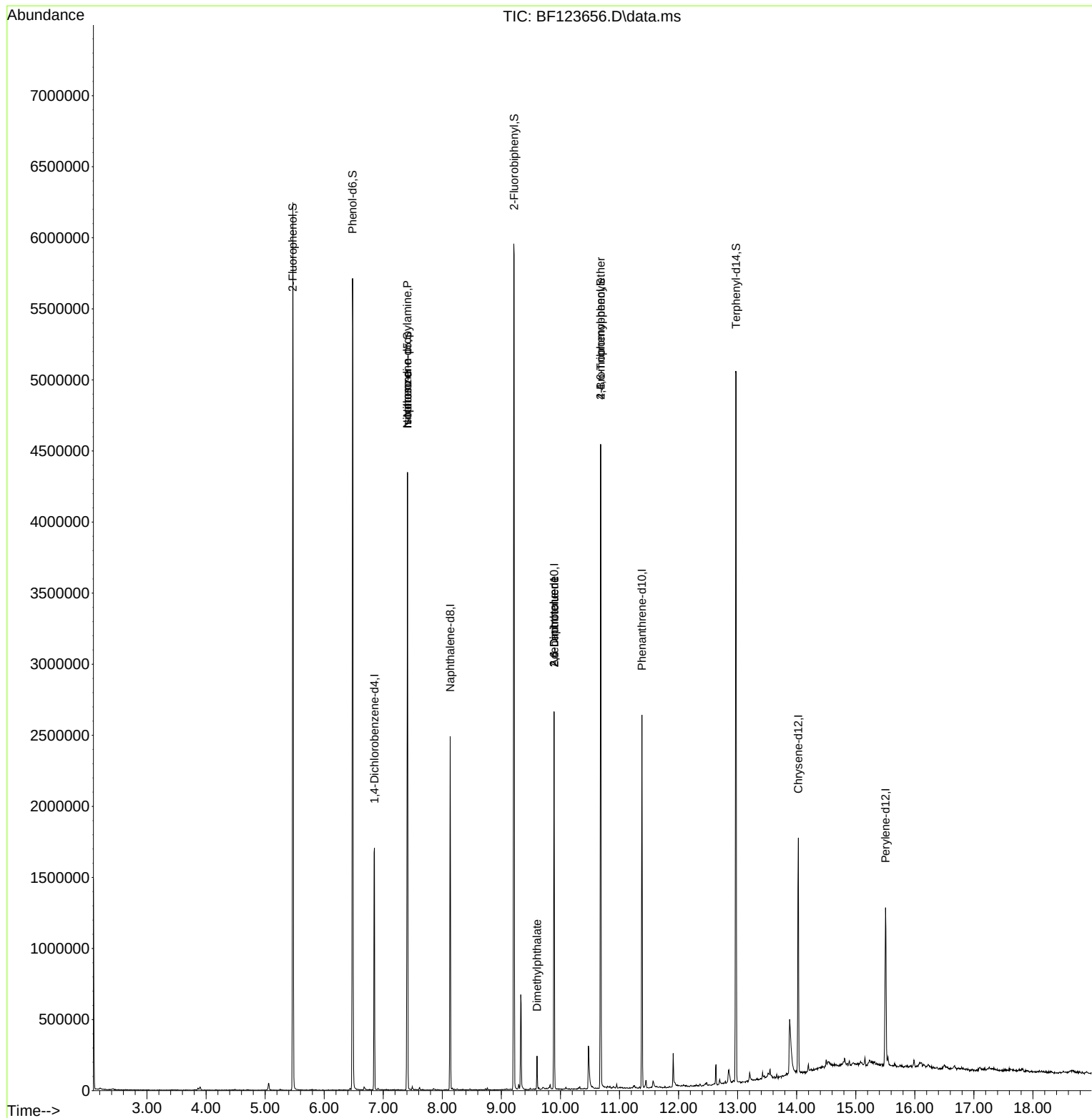
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.851  | 152  | 237225   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.133  | 136  | 901666   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.892  | 164  | 453036   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 826870   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 542495   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 521633   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1309987  | 89.25     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 1731291  | 85.12     | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 1200933  | 61.23     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 465390   | 90.72     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1832116  | 60.29     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1731196  | 62.02     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 162810   | 12.08     | ng    | # 73     |
| 25) Isophorone                | 7.410  | 82   | 1200918  | 31.56     | ng    | # 69     |
| 50) Dimethylphthalate         | 9.604  | 163  | 68932    | 2.20      | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.892  | 165  | 56864    | 8.28      | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 56864    | 6.20      | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 26427    | 3.06      | ng    | # 1      |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 2189     | Below Cal |       | # 1      |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 2198     | Below Cal |       | # 40     |
| -----                         |        |      |          |           |       |          |

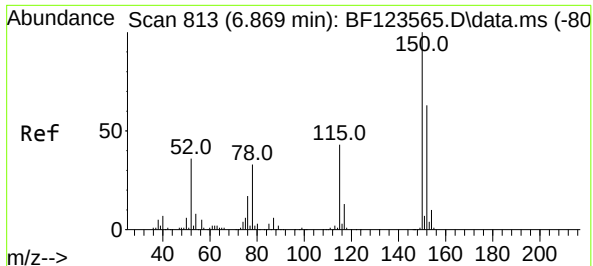
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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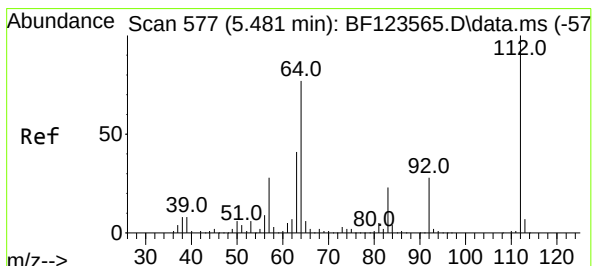
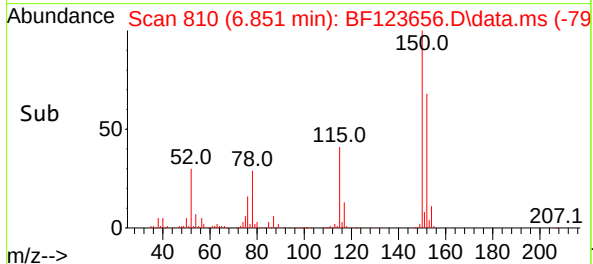
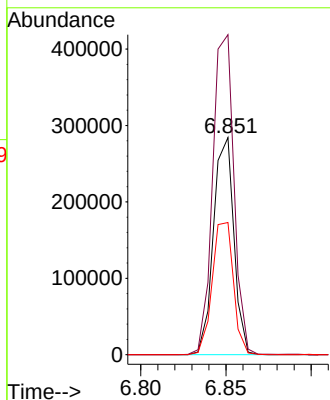
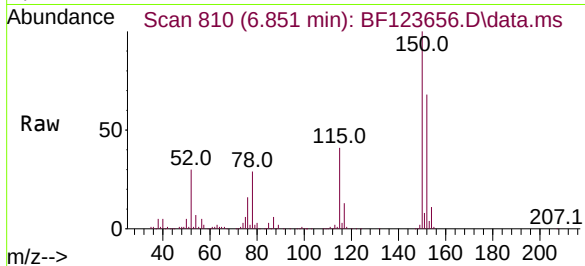




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.851 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

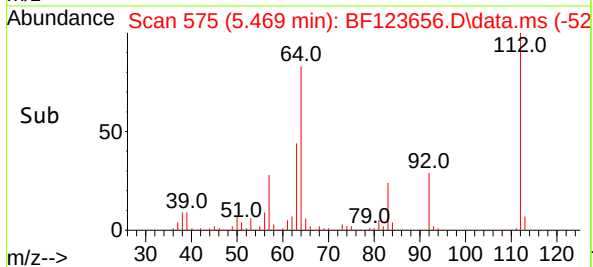
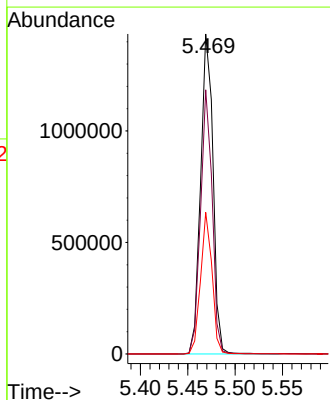
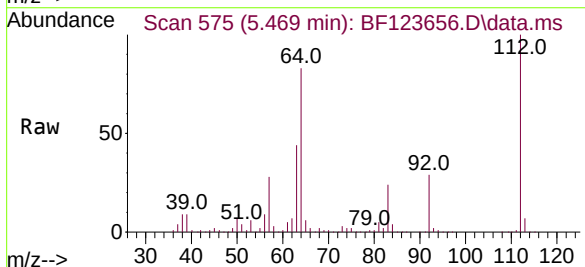
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BNA\_F  
ClientSampleId :  
SB-19-0-2.0

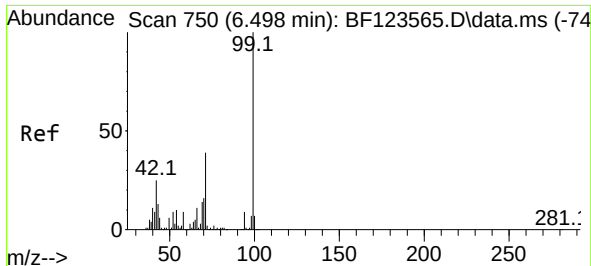
Tgt Ion:152 Resp: 237225  
Ion Ratio Lower Upper  
152 100  
150 147.4 127.0 190.6  
115 60.9 54.3 81.5



#5  
2-Fluorophenol  
Concen: 89.25 ng  
RT: 5.469 min Scan# 575  
Delta R.T. -0.000 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

Tgt Ion:112 Resp: 1309987  
Ion Ratio Lower Upper  
112 100  
64 82.6 61.4 92.0  
63 44.3 33.0 49.4

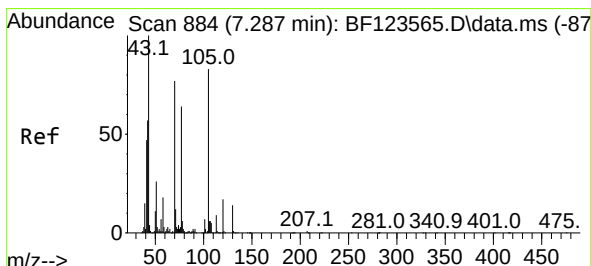
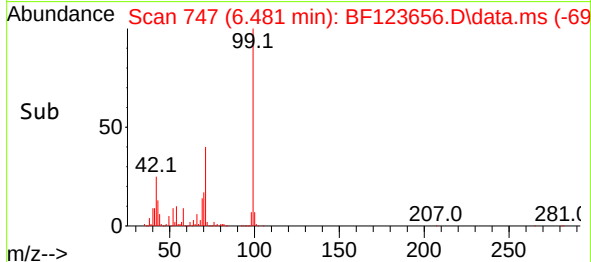
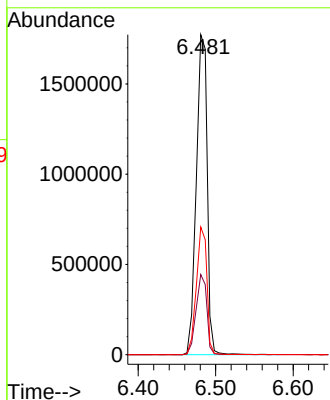
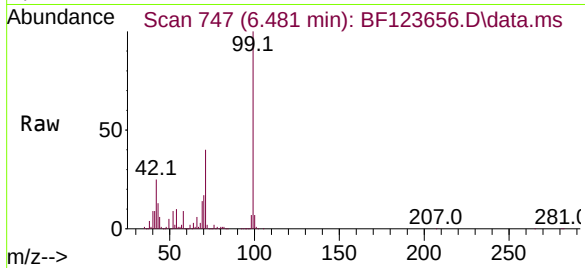




#7  
Phenol-d6  
Concen: 85.12 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.012 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

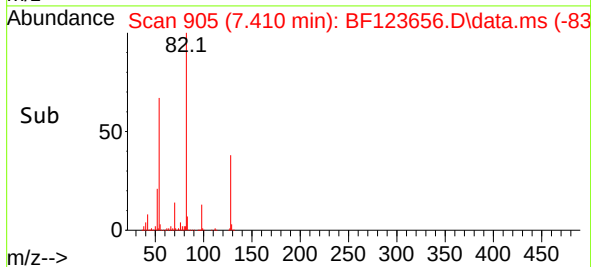
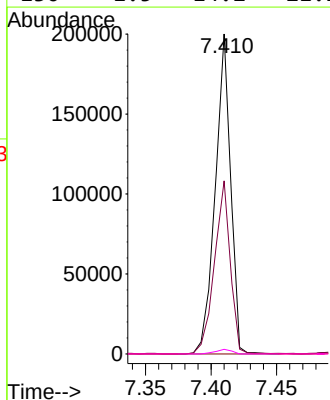
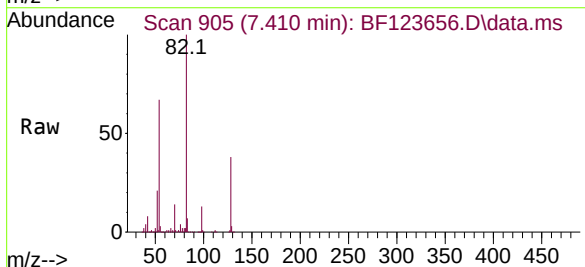
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ClientSampleId :  
SB-19-0-2.0

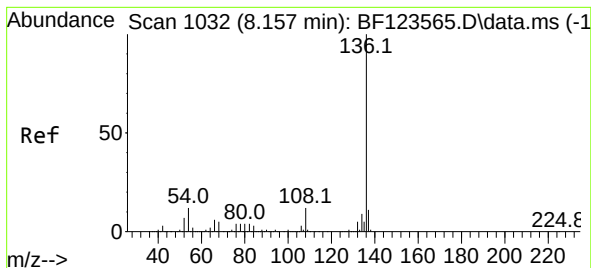
Tgt Ion: 99 Resp: 1731291  
Ion Ratio Lower Upper  
99 100  
42 25.1 19.8 29.8  
71 39.9 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.08 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

Tgt Ion: 70 Resp: 162810  
Ion Ratio Lower Upper  
70 100  
42 54.1 60.1 90.1#  
101 0.0 7.4 11.2#  
130 1.5 14.2 21.2#

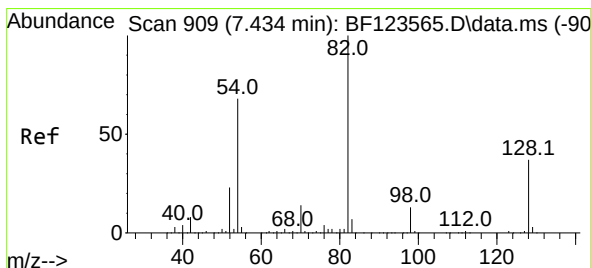
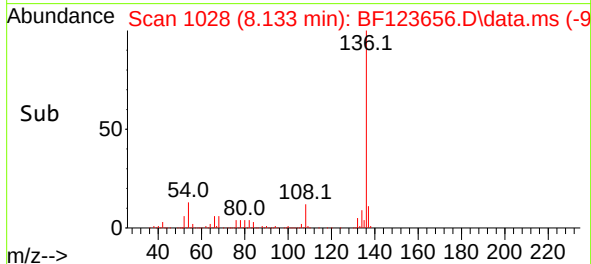
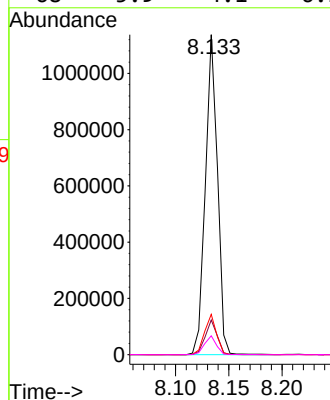
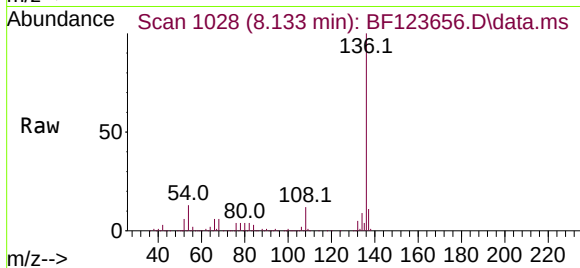




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

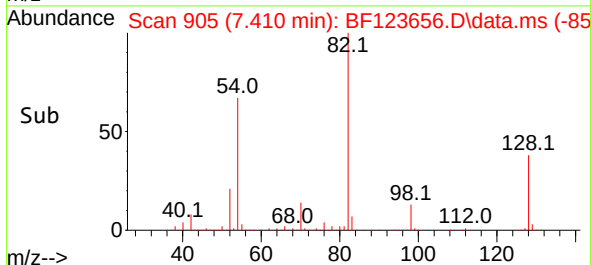
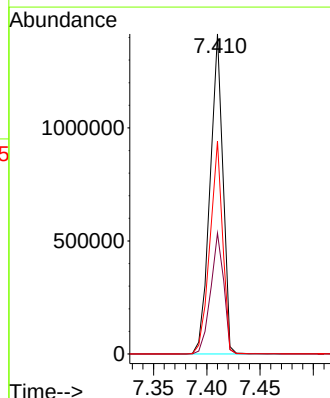
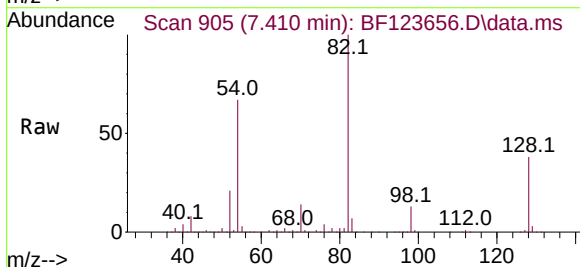
Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-0-2.0

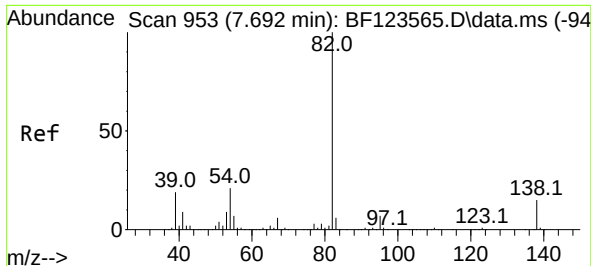
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 901666 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.7 13.1     |
| 54 12.6     | 9.8 14.6     |
| 68 5.9      | 4.1 6.1      |



#23  
Nitrobenzene-d5  
Concen: 61.23 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

|             |       |               |       |
|-------------|-------|---------------|-------|
| Tgt Ion: 82 |       | Resp: 1200933 |       |
| Ion         | Ratio | Lower         | Upper |
| 82          | 100   |               |       |
| 128         | 37.7  | 29.4          | 44.2  |
| 54          | 66.5  | 54.1          | 81.1  |

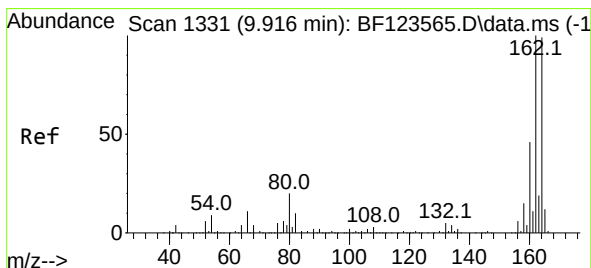
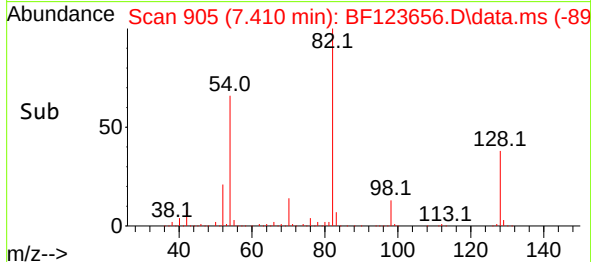
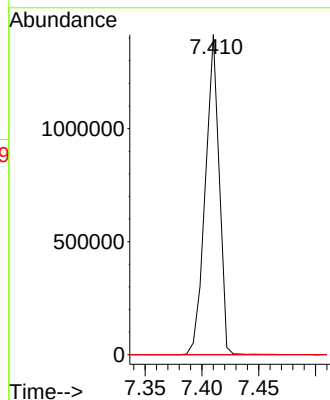
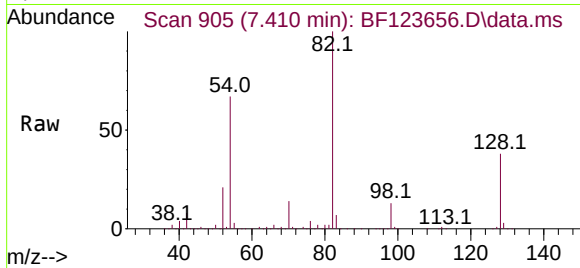




#25  
Isophorone  
Concen: 31.56 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.265 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

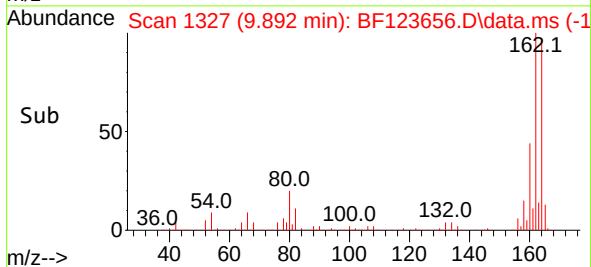
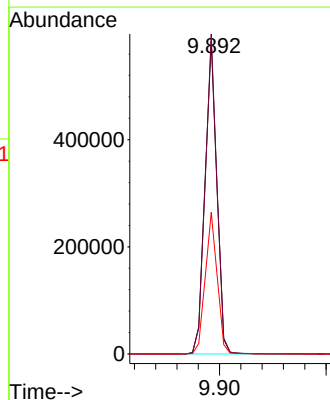
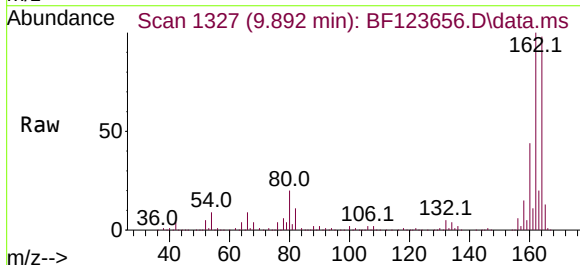
Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-0-2.0

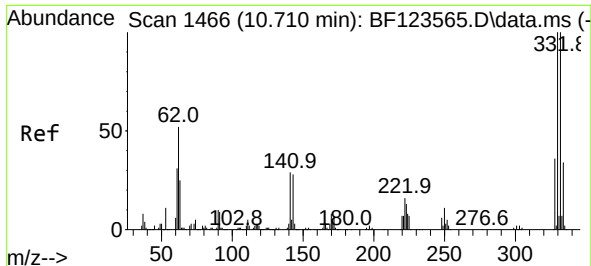
Tgt Ion: 82 Resp: 1200918  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

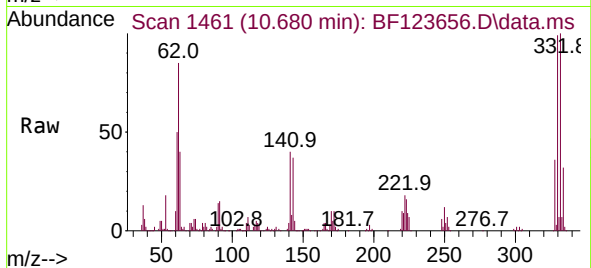
Tgt Ion: 164 Resp: 453036  
Ion Ratio Lower Upper  
164 100  
162 102.2 80.7 121.1  
160 45.3 37.3 55.9



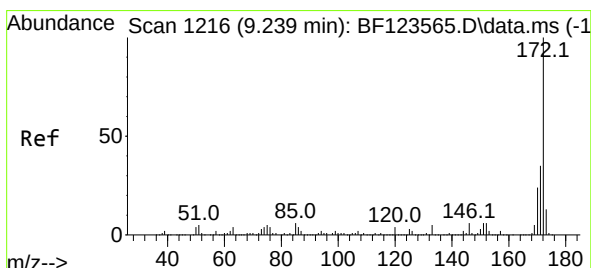
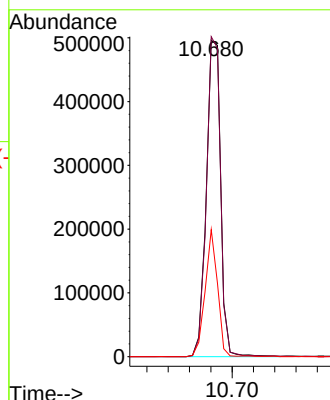
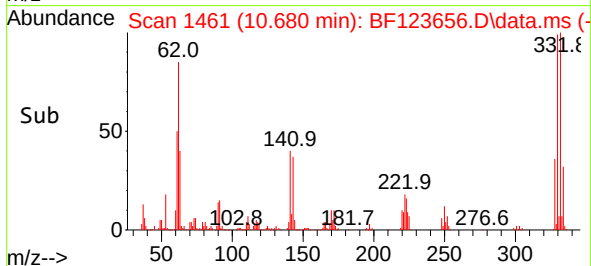


#42  
2,4,6-Tribromophenol  
Concen: 90.72 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

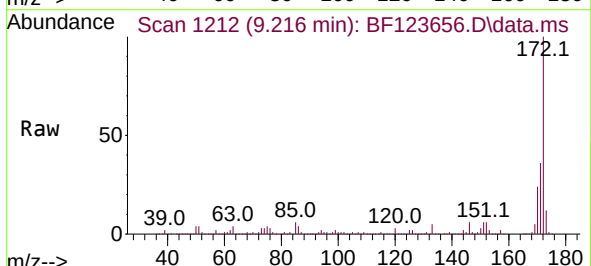
Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-0-2.0



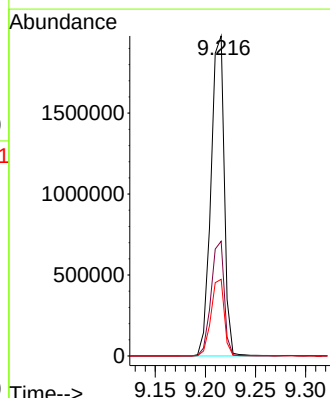
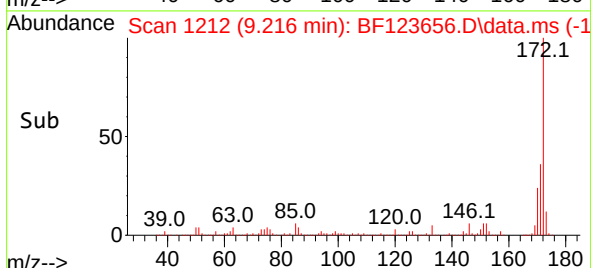
Tgt Ion: 330 Resp: 465390  
Ion Ratio Lower Upper  
330 100  
332 99.2 77.1 115.7  
141 34.8 27.9 41.9

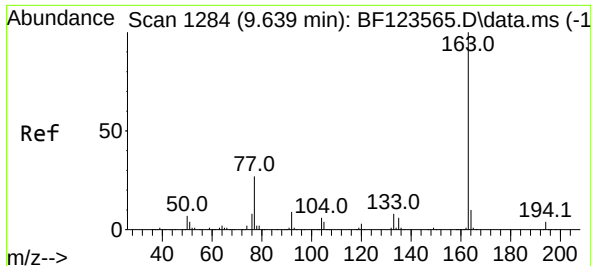


#45  
2-Fluorobiphenyl  
Concen: 60.29 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.000 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28



Tgt Ion: 172 Resp: 1832116  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.1 42.1  
170 24.0 19.2 28.8

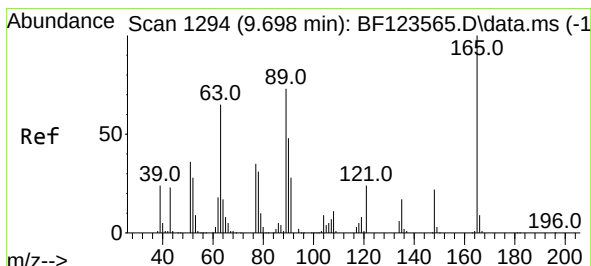
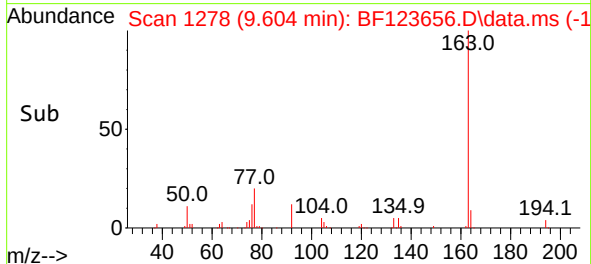
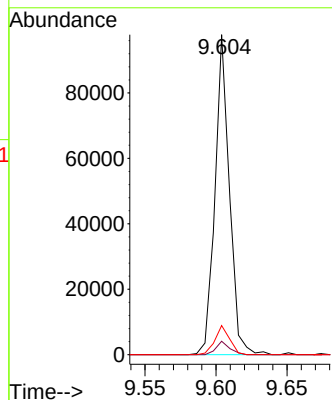
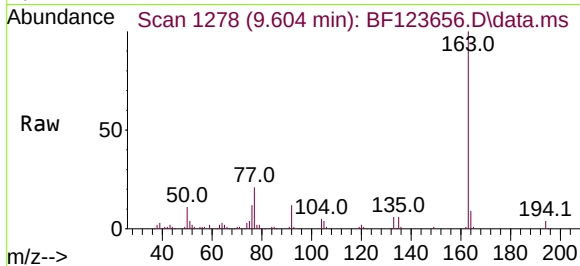




#50  
Dimethylphthalate  
Concen: 2.20 ng  
RT: 9.604 min Scan# 1278  
Delta R.T. -0.018 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

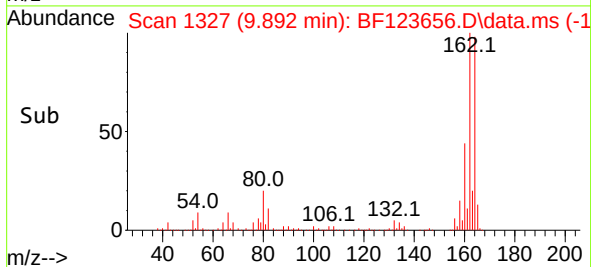
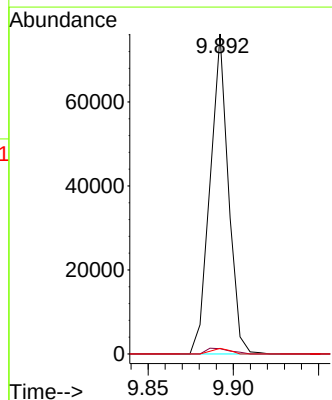
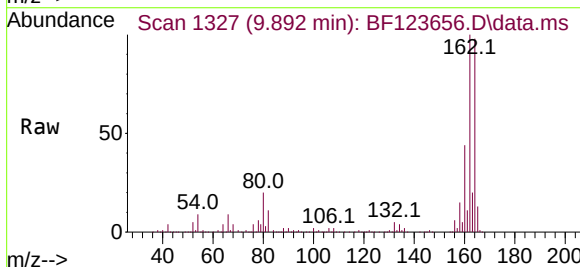
Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-0-2.0

Tgt Ion:163 Resp: 68932  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 9.1 8.2 12.2

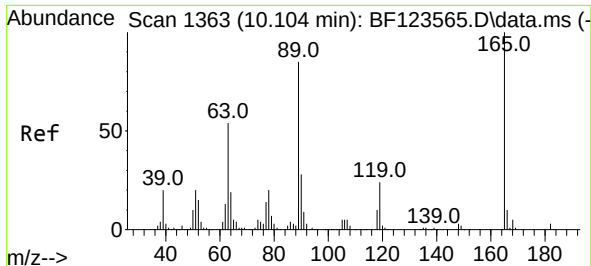


#51  
2,6-Dinitrotoluene  
Concen: 8.28 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.212 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

Tgt Ion:165 Resp: 56864  
Ion Ratio Lower Upper  
165 100  
63 1.7 67.7 101.5#  
89 1.7 58.8 88.2#

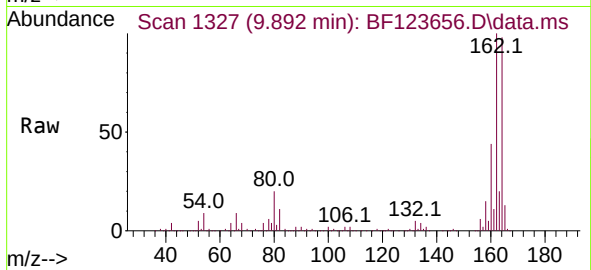




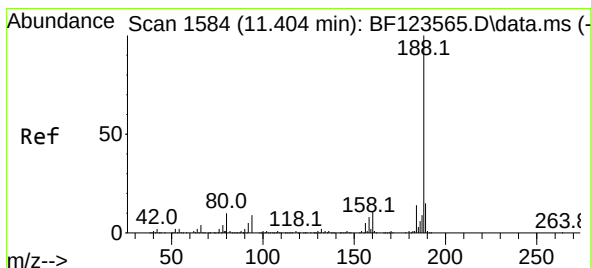
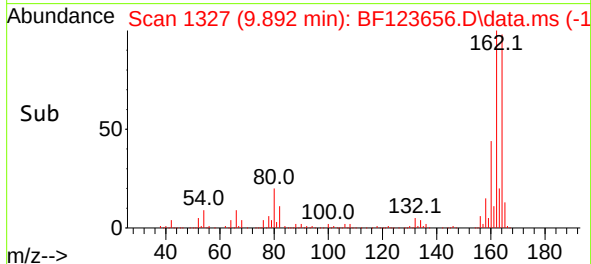
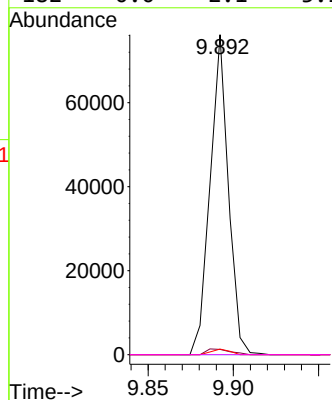


#57  
2,4-Dinitrotoluene  
Concen: 6.20 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.188 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
SB-19-0-2.0

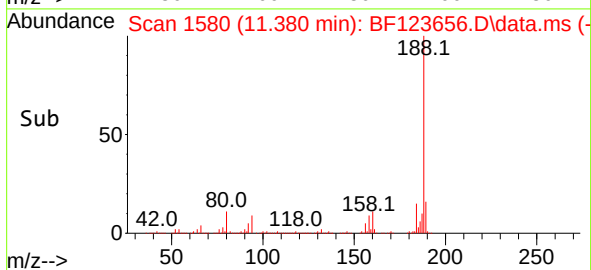
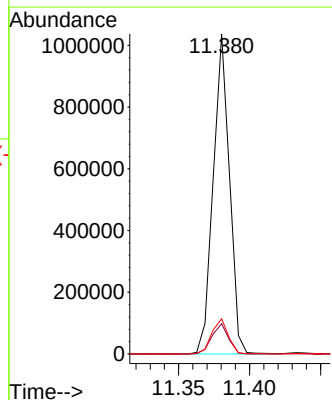
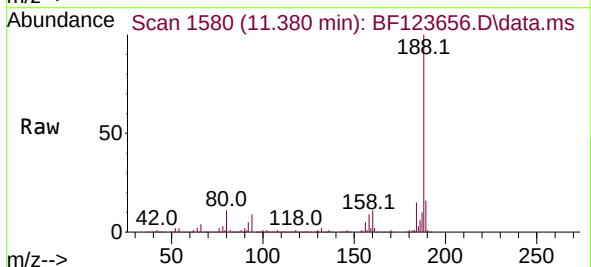


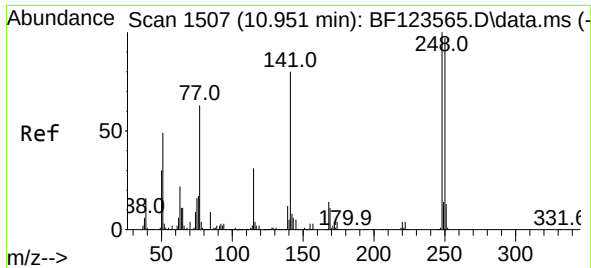
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 56864       |
| Ion Ratio   | Lower | Upper       |
| 165         | 100   |             |
| 63          | 1.7   | 43.5 65.3#  |
| 89          | 1.7   | 67.7 101.5# |
| 182         | 0.0   | 2.1 3.1#    |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 826870   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.4   | 6.9 10.3 |
| 80          | 11.0  | 8.2 12.2 |

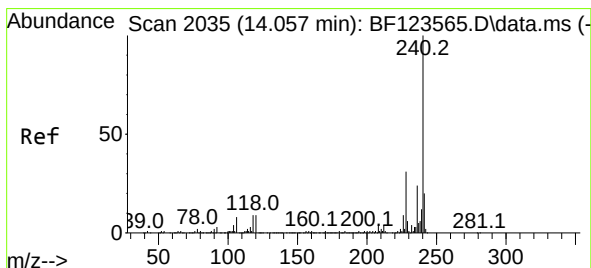
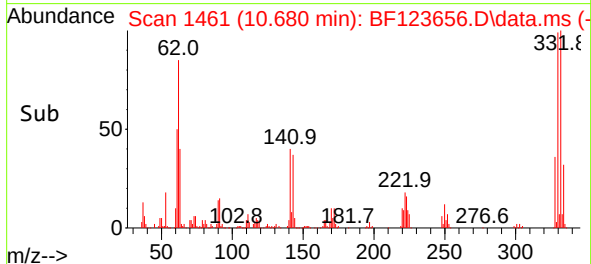
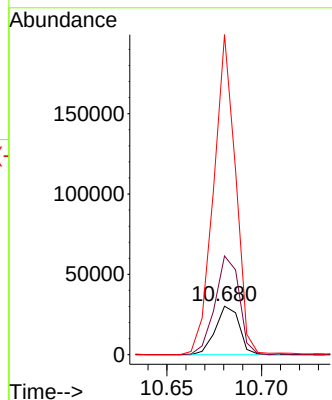
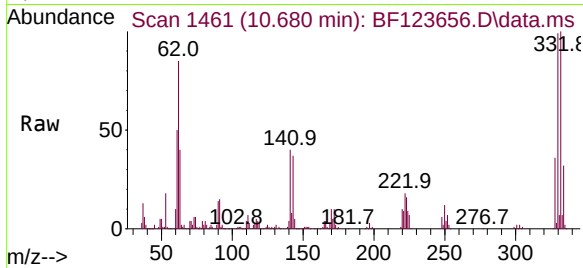




#67  
4-Bromophenyl-phenylether  
Concen: 3.06 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.247 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

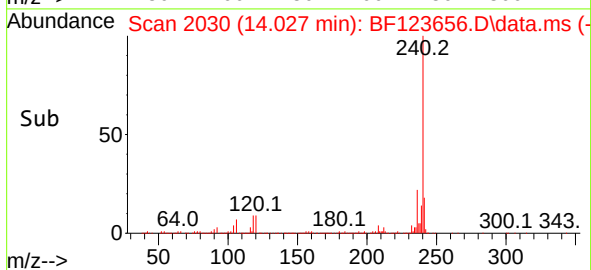
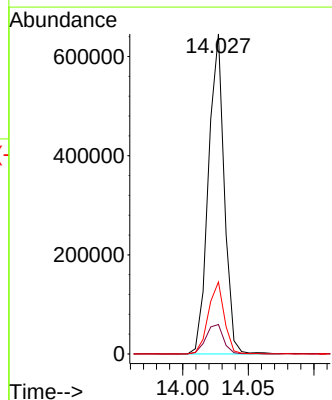
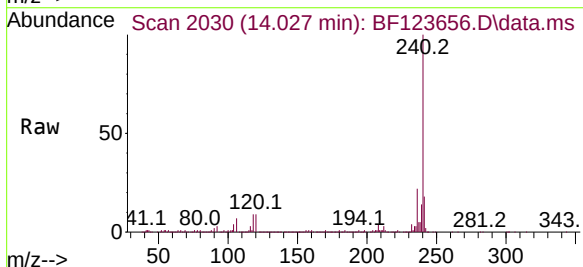
Instrument :  
BNA\_F  
ClientSampled :  
SB-19-0-2.0

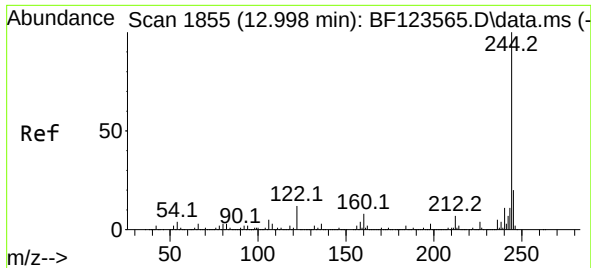
Tgt Ion:248 Resp: 26427  
Ion Ratio Lower Upper  
248 100  
250 203.1 77.4 116.2#  
141 658.8 63.7 95.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BF123656.D  
Acq: 20 Apr 2021 22:28

Tgt Ion:240 Resp: 542495  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.2 10.8  
236 22.5 19.0 28.4

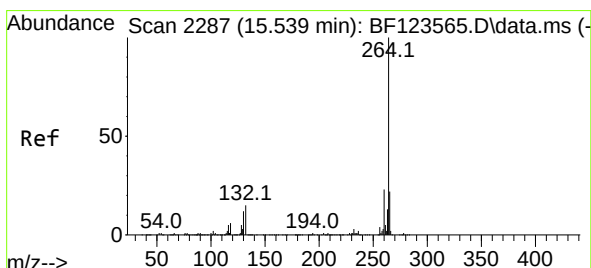
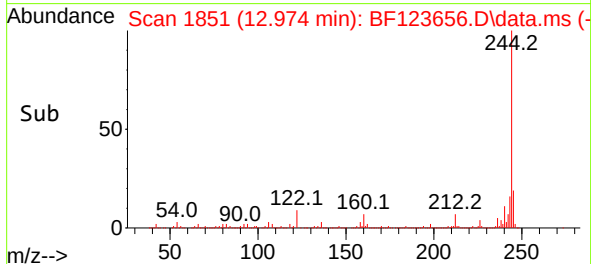
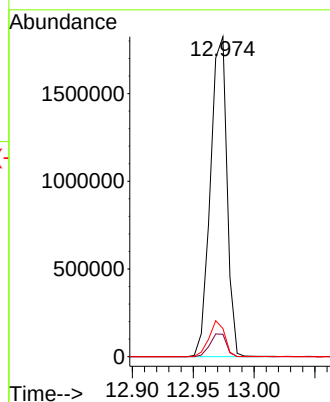
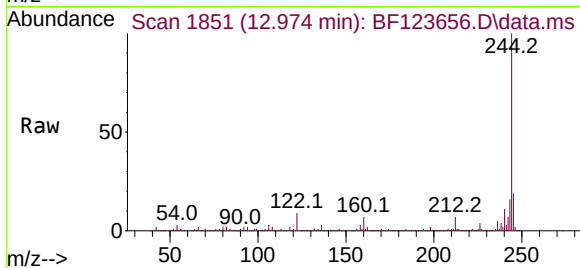




#79  
 Terphenyl-d14  
 Concen: 62.02 ng  
 RT: 12.974 min Scan# 1851  
 Delta R.T. -0.000 min  
 Lab File: BF123656.D  
 Acq: 20 Apr 2021 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-19-0-2.0

Tgt Ion:244 Resp: 1731196  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 8.8 9.7 14.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.504 min Scan# 2281  
 Delta R.T. -0.000 min  
 Lab File: BF123656.D  
 Acq: 20 Apr 2021 22:28

Tgt Ion:264 Resp: 521633  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 18.7 28.1  
 265 21.4 17.8 26.8

