

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061722\  
 Data File : BF128857.D  
 Acq On : 17 Jun 2022 16:39  
 Operator : CG\JU  
 Sample : N3373-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SC-1E

Quant Time: Jun 18 05:06:49 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 14 14:53:53 2022  
 Response via : Initial Calibration

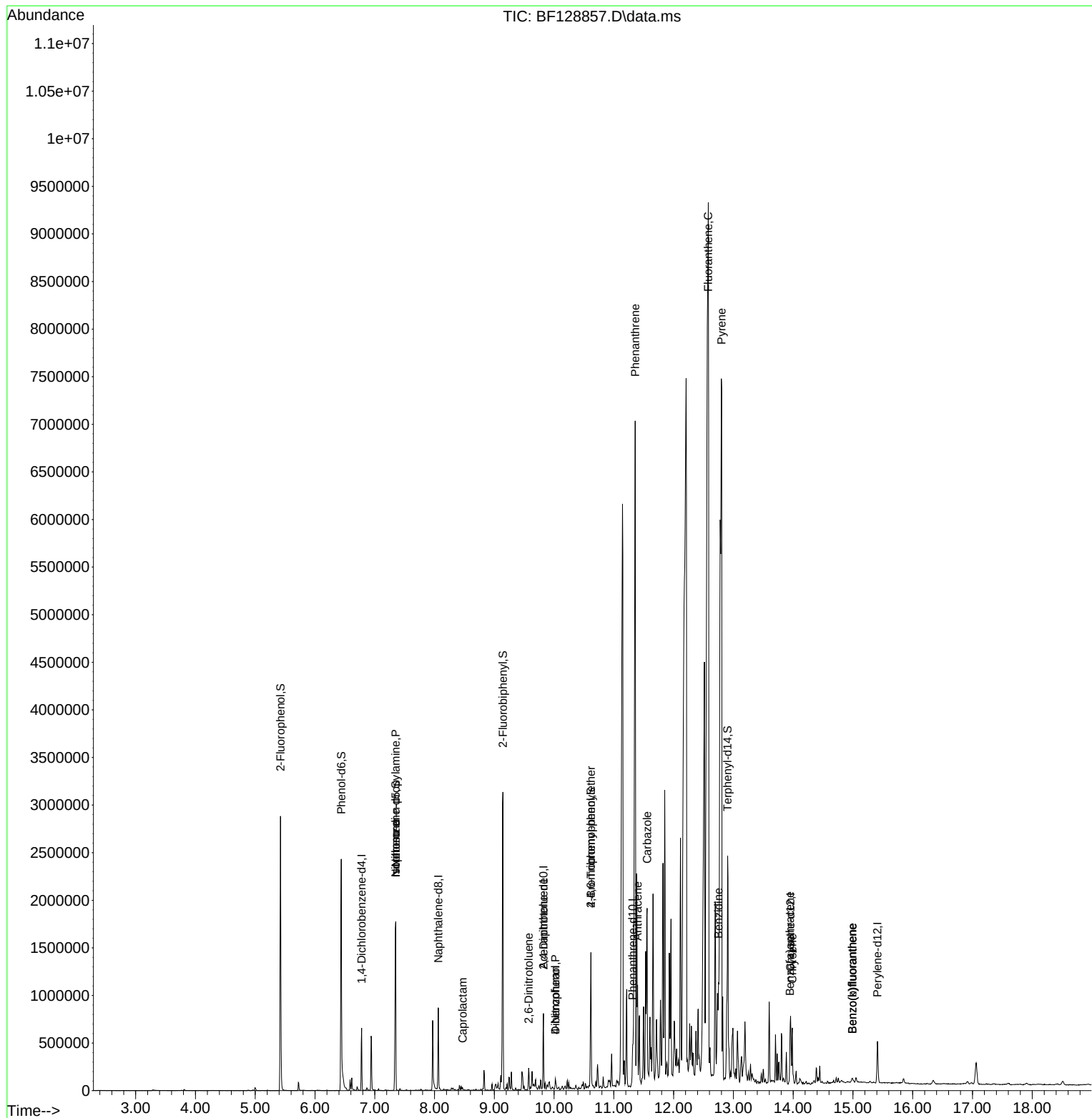
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 82988    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 319335   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.822  | 164  | 147477   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 217458   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.957 | 240  | 195070   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.409 | 264  | 190226   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 653893   | 125.505 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.439  | 99   | 849165   | 133.520 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 601070   | 87.635  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 164294   | 94.286  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 988172   | 93.861  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 796738   | 70.971  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 86703    | 21.926  | ng    | # 73     |
| 25) Isophorone                | 7.351  | 82   | 600982   | 57.693  | ng    | # 65     |
| 35) Caprolactam               | 8.469  | 113  | 3086     | 2.282   | ng    | # 85     |
| 51) 2,6-Dinitrotoluene        | 9.575  | 165  | 5195     | 2.607   | ng    | # 64     |
| 55) Dibenzofuran              | 10.022 | 168  | 30850    | 2.550   | ng    | # 91     |
| 56) 4-Nitrophenol             | 10.022 | 139  | 13527    | 8.630   | ng    | # 9      |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 18465    | 6.945   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 10293    | 4.244   | ng    | # 1      |
| 71) Phenanthrene              | 11.357 | 178  | 3691938  | 338.485 | ng    | 99       |
| 72) Anthracene                | 11.398 | 178  | 455753   | 42.216  | ng    | 98       |
| 73) Carbazole                 | 11.557 | 167  | 742949   | 74.094  | ng    | 98       |
| 75) Fluoranthene              | 12.580 | 202  | 8866788  | 777.698 | ng    | 95       |
| 77) Benzidine                 | 12.751 | 184  | 108467   | 27.893  | ng    | 95       |
| 78) Pyrene                    | 12.804 | 202  | 5337596  | 367.777 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.945 | 228  | 172244   | 14.166  | ng    | 98       |
| 83) Chrysene                  | 13.986 | 228  | 205447   | 17.722  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 24812    | 2.041   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 14.992 | 252  | 24812    | 2.170   | ng    | # 93     |

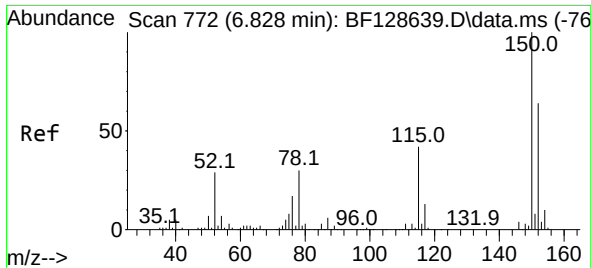
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061722\  
Data File : BF128857.D  
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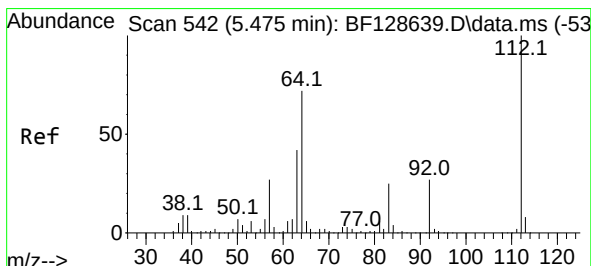
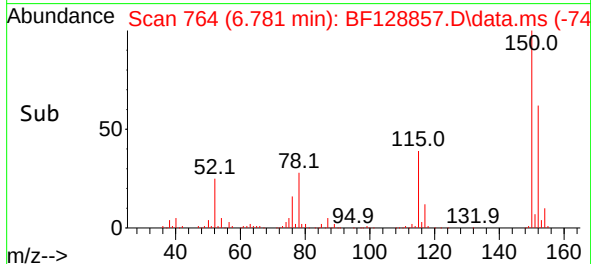
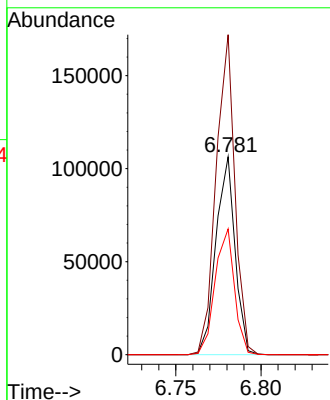
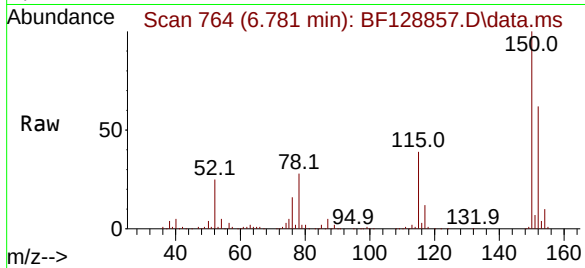




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

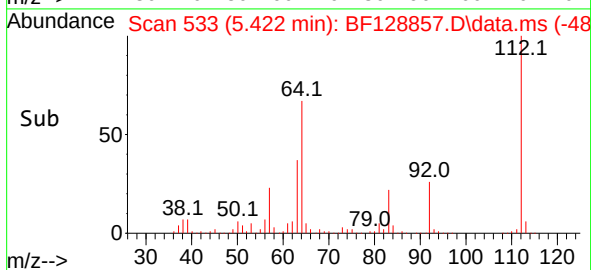
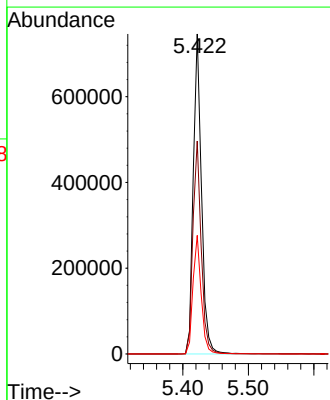
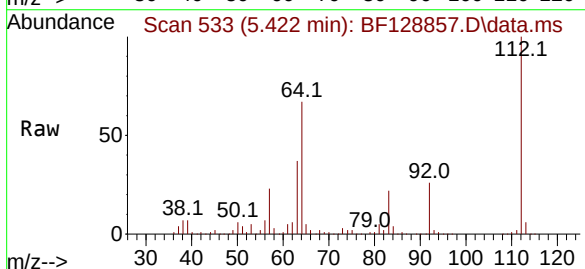
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BNA\_F  
ClientSampleId :  
SC-1E

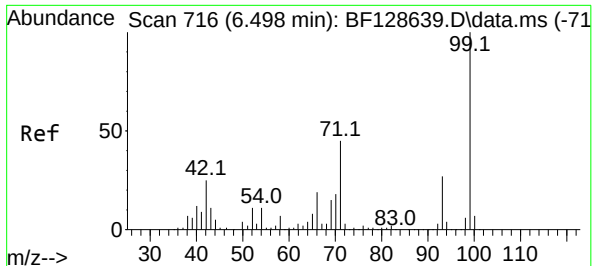
Tgt Ion:152 Resp: 82988  
Ion Ratio Lower Upper  
152 100  
150 161.6 123.7 185.5  
115 63.5 49.9 74.9



#5  
2-Fluorophenol  
Concen: 125.505 ng  
RT: 5.422 min Scan# 533  
Delta R.T. 0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:112 Resp: 653893  
Ion Ratio Lower Upper  
112 100  
64 66.5 53.3 79.9  
63 37.1 28.0 42.0

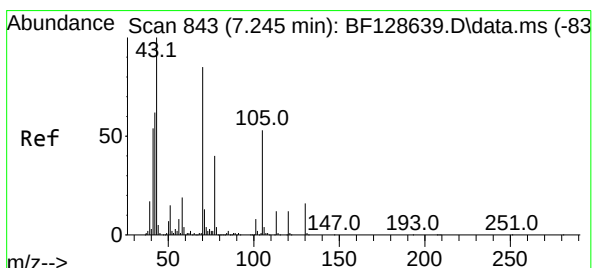
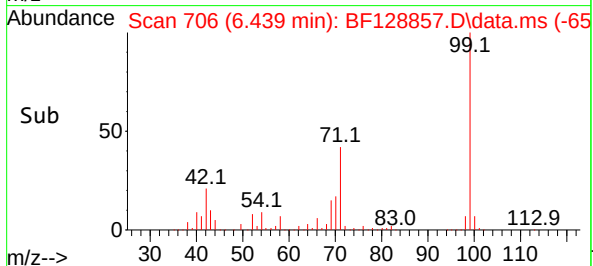
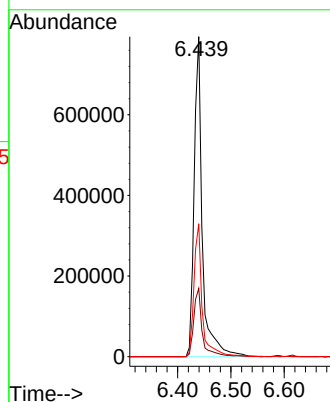
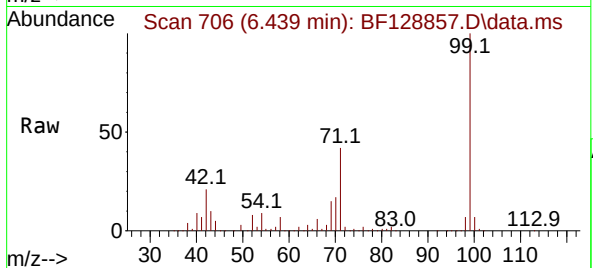




#7  
Phenol-d6  
Concen: 133.520 ng  
RT: 6.439 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

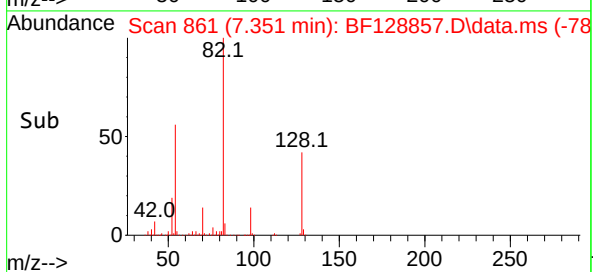
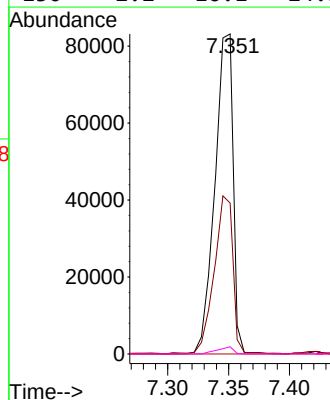
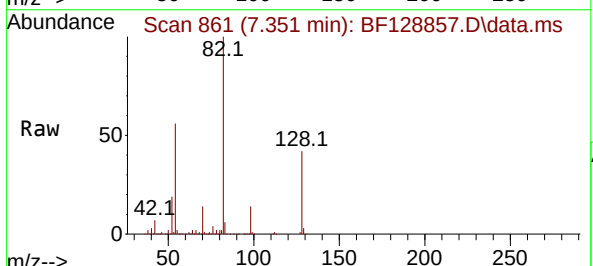
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

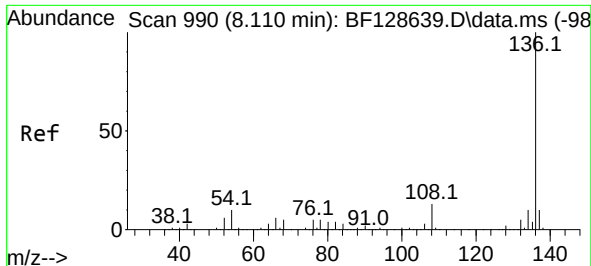
Tgt Ion: 99 Resp: 849165  
Ion Ratio Lower Upper  
99 100  
42 21.4 17.3 25.9  
71 41.6 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.926 ng  
RT: 7.351 min Scan# 861  
Delta R.T. 0.147 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion: 70 Resp: 86703  
Ion Ratio Lower Upper  
70 100  
42 47.1 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.2 16.1 24.1#

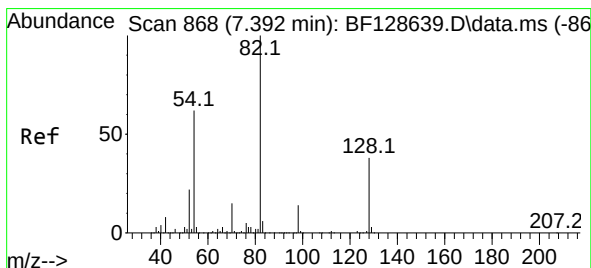
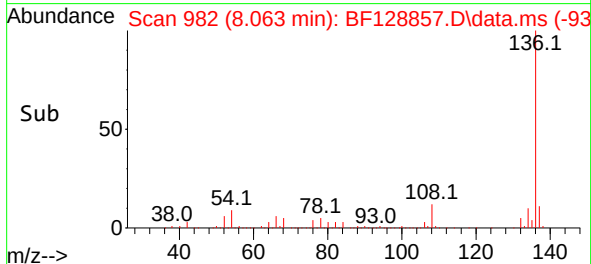
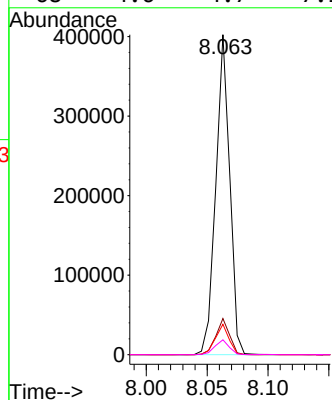
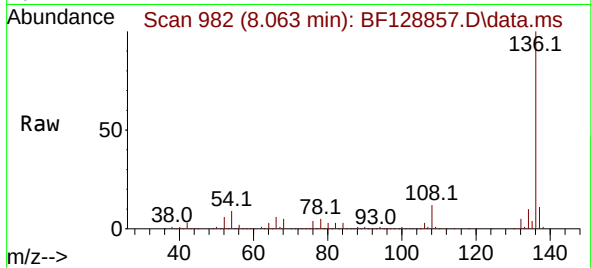




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

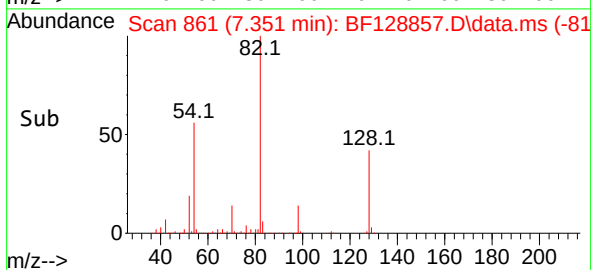
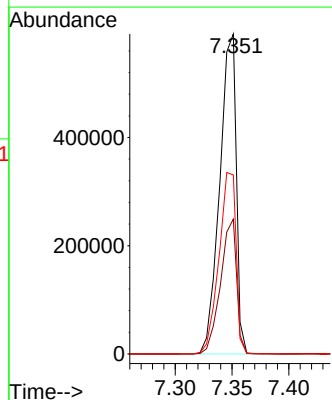
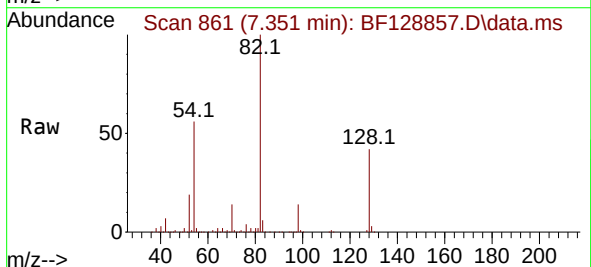
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

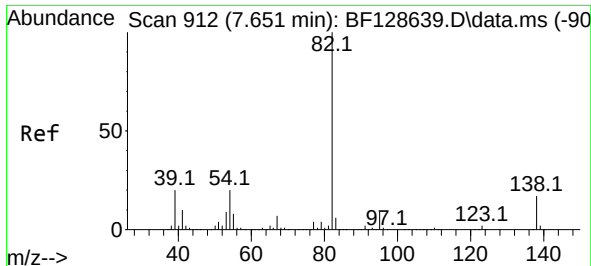
Tgt Ion:136 Resp: 319335  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 9.5 7.5 11.3  
68 4.6 4.7 7.1#



#23  
Nitrobenzene-d5  
Concen: 87.635 ng  
RT: 7.351 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion: 82 Resp: 601070  
Ion Ratio Lower Upper  
82 100  
128 42.1 34.0 51.0  
54 55.9 46.9 70.3

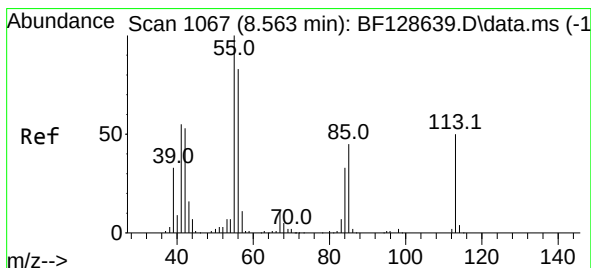
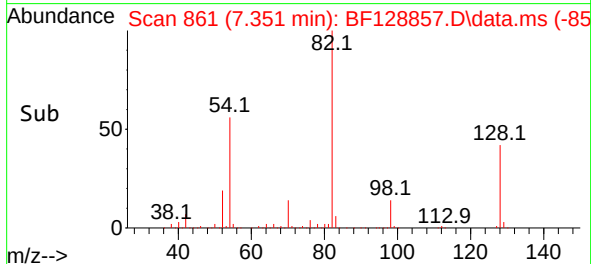
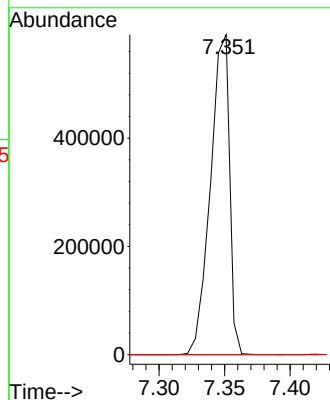
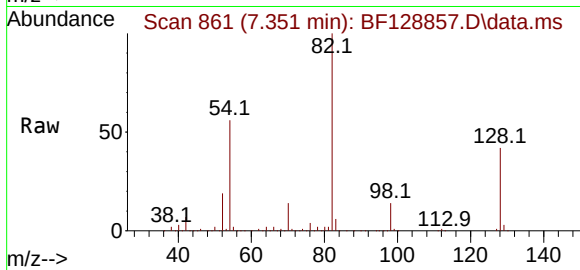




#25  
Isophorone  
Concen: 57.693 ng  
RT: 7.351 min Scan# 80  
Delta R.T. -0.259 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

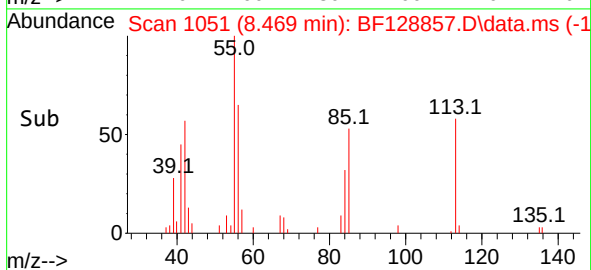
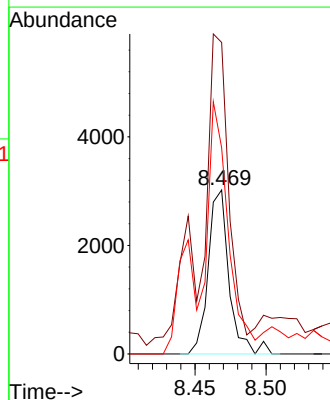
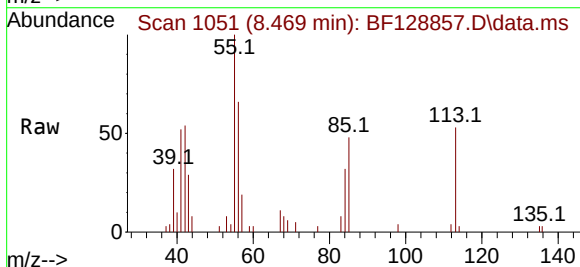
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ClientSampleId :  
SC-1E

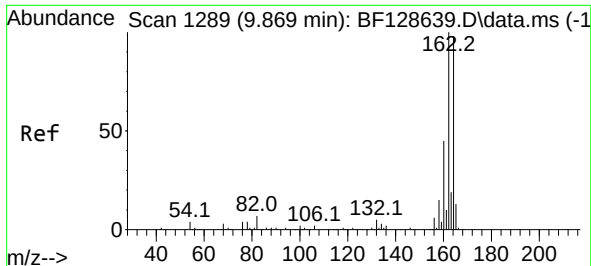
Tgt Ion: 82 Resp: 600982  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#35  
Caprolactam  
Concen: 2.282 ng  
RT: 8.469 min Scan# 1051  
Delta R.T. -0.059 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion: 113 Resp: 3086  
Ion Ratio Lower Upper  
113 100  
55 189.9 188.5 228.5  
56 125.7 130.6 170.6#

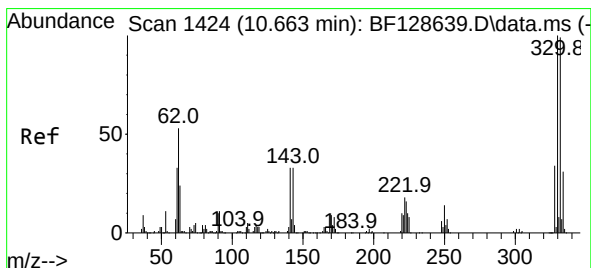
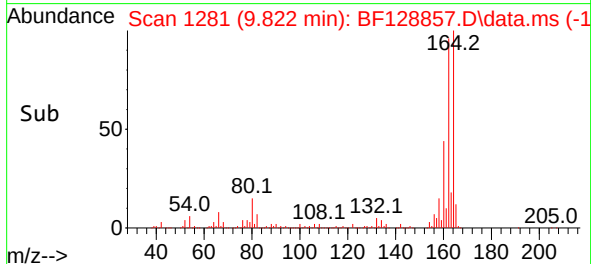
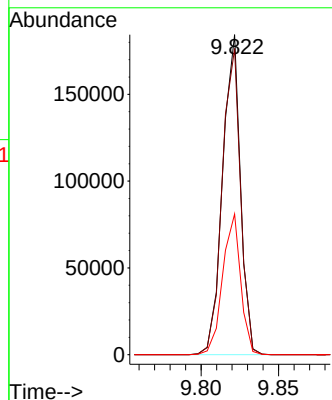
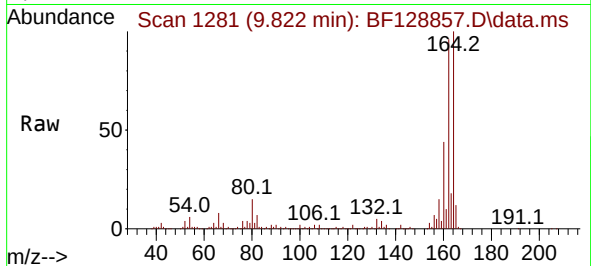




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

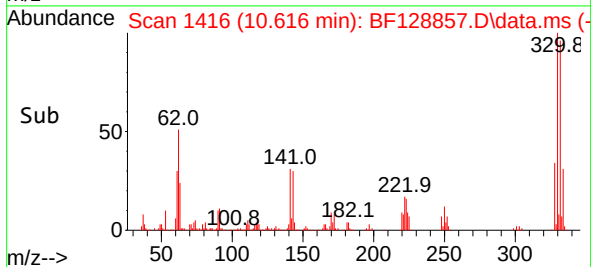
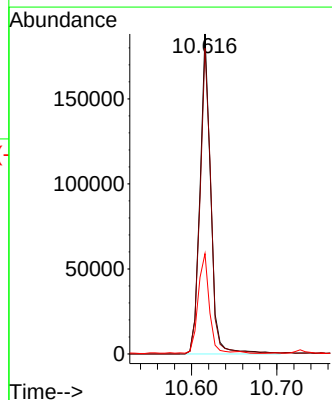
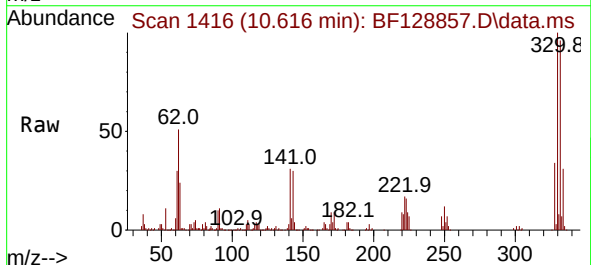
Instrument :  
BNA\_F  
ClientSampleId :  
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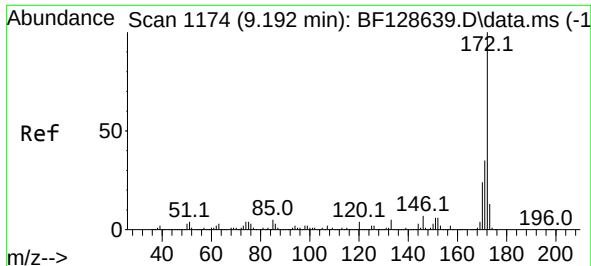
Tgt Ion:164 Resp: 147477  
Ion Ratio Lower Upper  
164 100  
162 95.7 79.5 119.3  
160 43.9 34.2 51.4



#42  
2,4,6-Tribromophenol  
Concen: 94.286 ng  
RT: 10.616 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:330 Resp: 164294  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.8 115.2  
141 32.7 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 93.861 ng

RT: 9.145 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

Instrument :

BNA\_F

ClientSampleId :

SC-1E

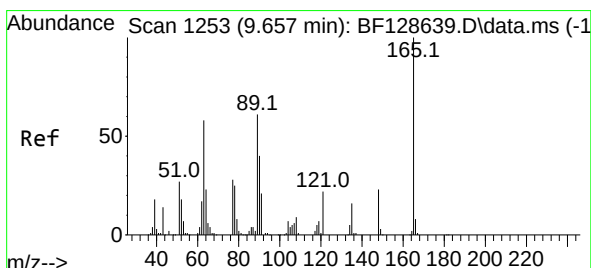
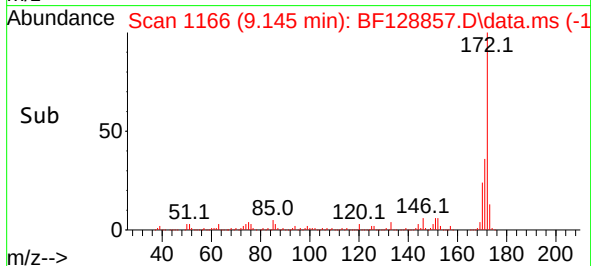
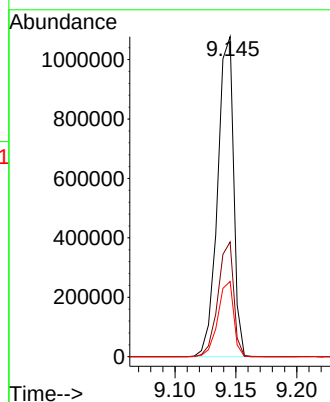
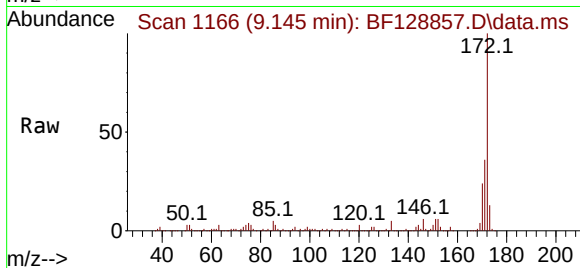
Tgt Ion:172 Resp: 988172

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.5 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 2.607 ng

RT: 9.575 min Scan# 1239

Delta R.T. -0.041 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

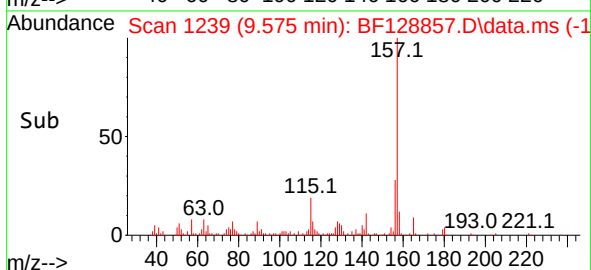
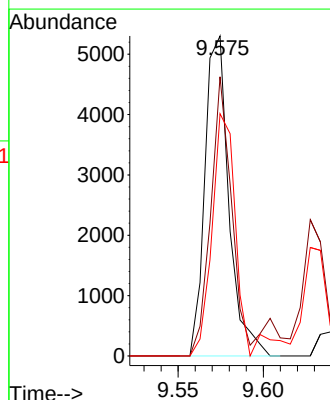
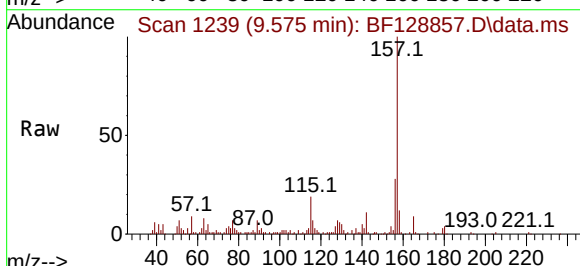
Tgt Ion:165 Resp: 5195

Ion Ratio Lower Upper

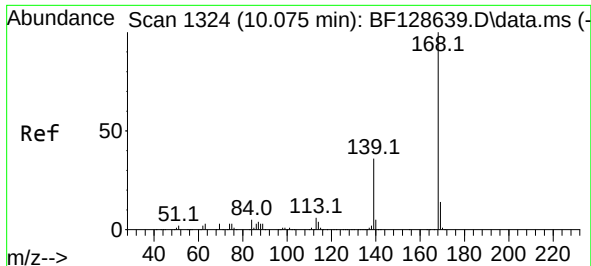
165 100

63 87.2 44.9 67.3#

89 75.7 43.6 65.4#



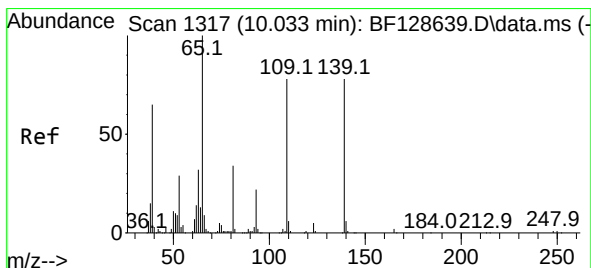
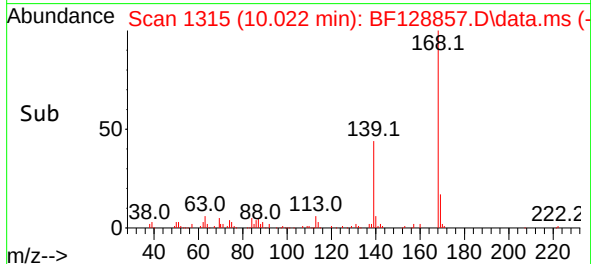
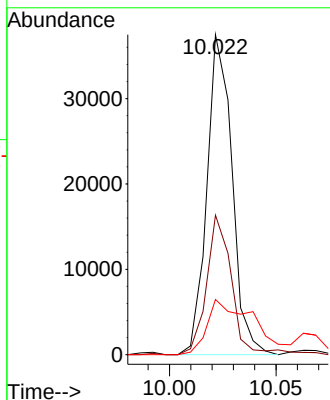
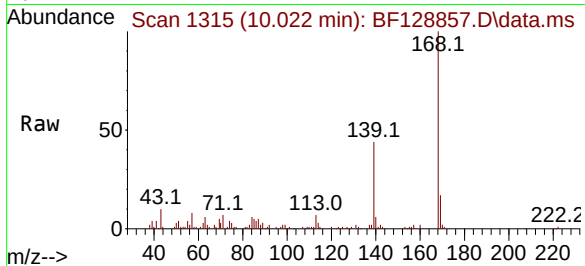




#55  
Dibenzenofuran  
Concen: 2.550 ng  
RT: 10.022 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

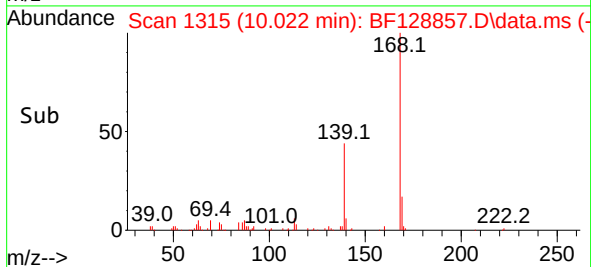
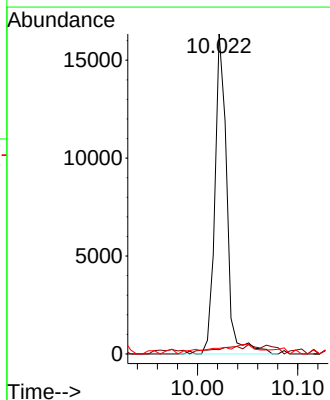
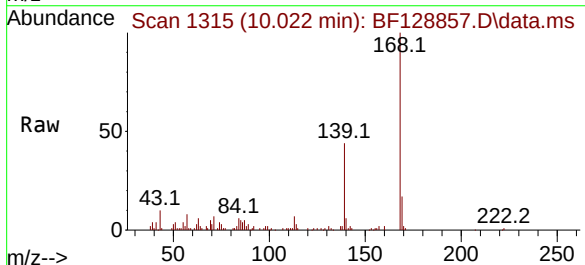
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

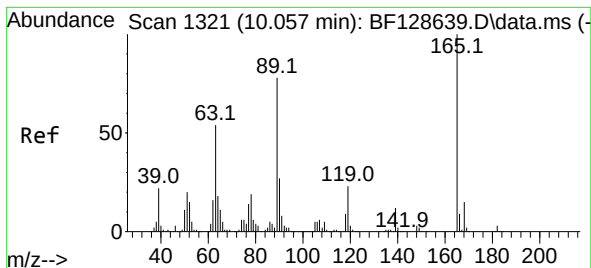
Tgt Ion:168 Resp: 30850  
Ion Ratio Lower Upper  
168 100  
139 43.6 30.6 46.0  
169 17.3 11.0 16.6#



#56  
4-Nitrophenol  
Concen: 8.630 ng  
RT: 10.022 min Scan# 1315  
Delta R.T. 0.041 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:139 Resp: 13527  
Ion Ratio Lower Upper  
139 100  
109 1.3 50.7 90.7#  
65 1.8 74.5 114.5#

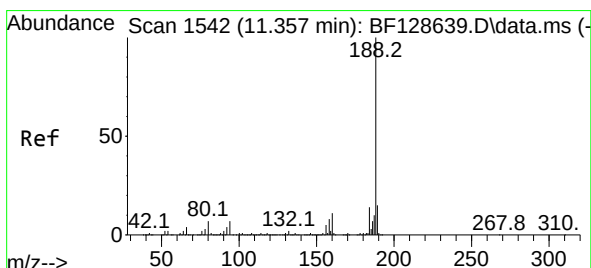
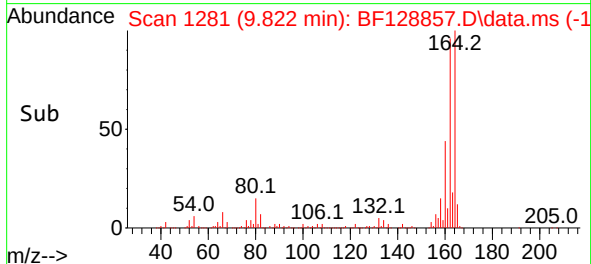
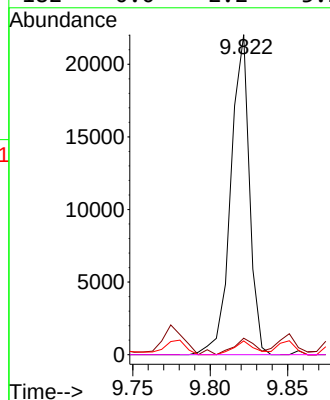
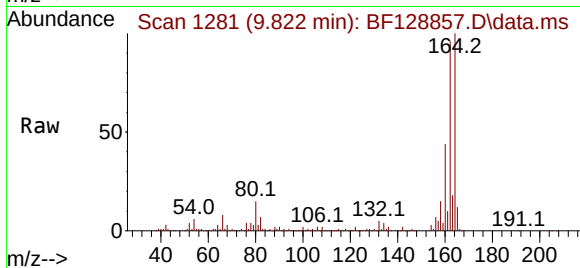




#57  
2,4-Dinitrotoluene  
Concen: 6.945 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

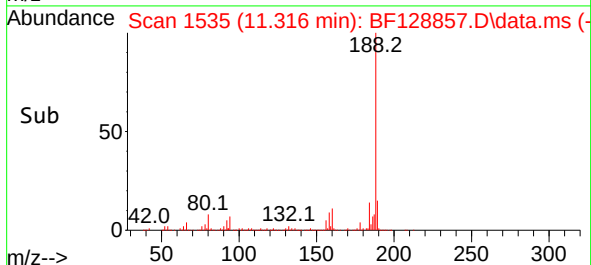
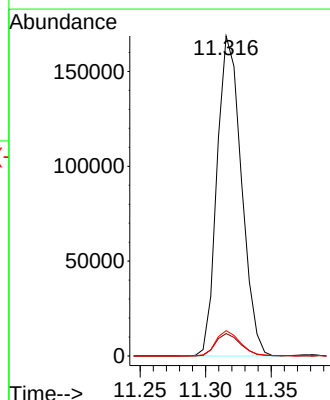
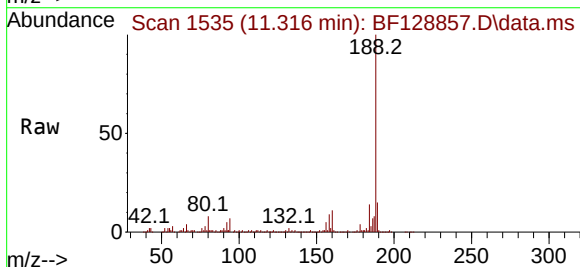
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

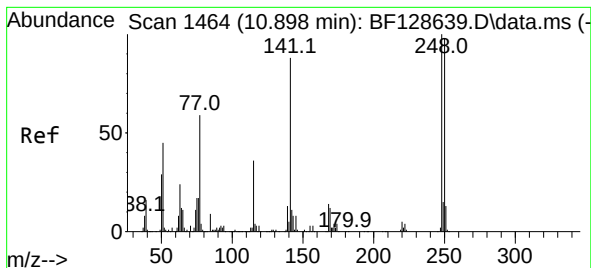
Tgt Ion:165 Resp: 18465  
Ion Ratio Lower Upper  
165 100  
63 5.2 39.8 59.6#  
89 4.3 60.2 90.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1535  
Delta R.T. -0.000 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:188 Resp: 217458  
Ion Ratio Lower Upper  
188 100  
94 7.0 7.0 10.6#  
80 7.9 7.6 11.4

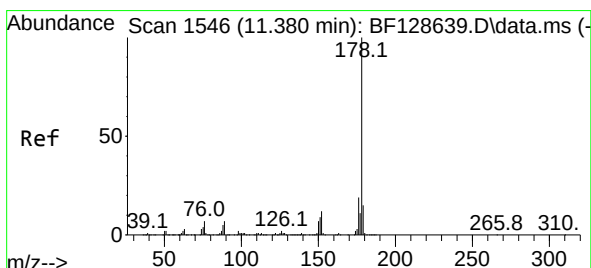
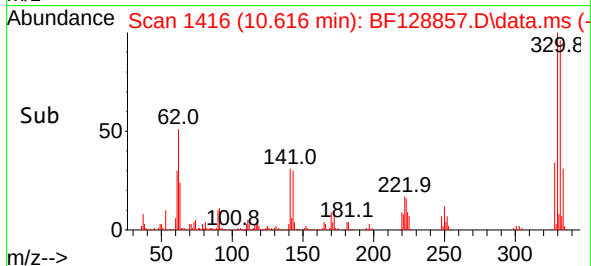
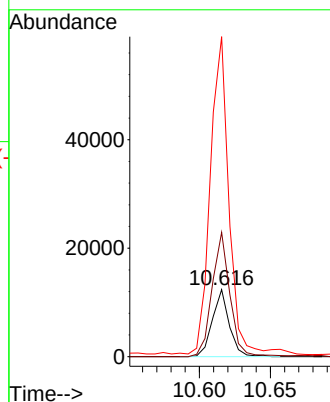
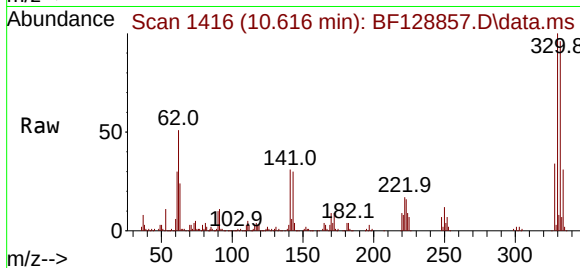




#67  
4-Bromophenyl-phenylether  
Concen: 4.244 ng  
RT: 10.616 min Scan# 1416  
Delta R.T. -0.241 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

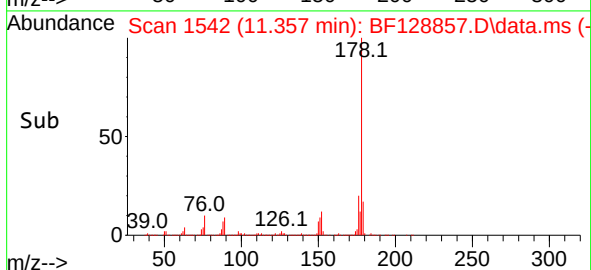
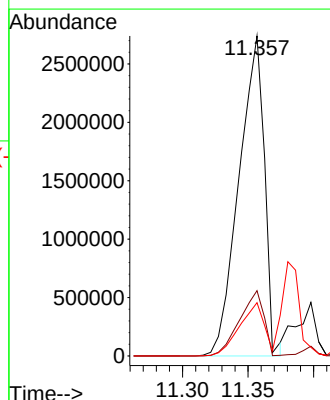
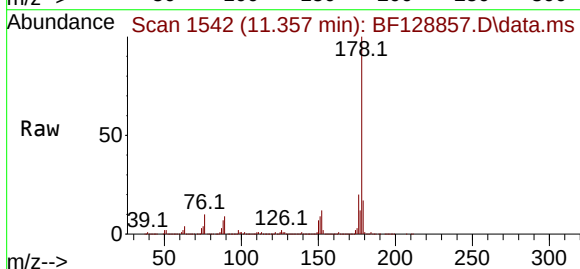
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

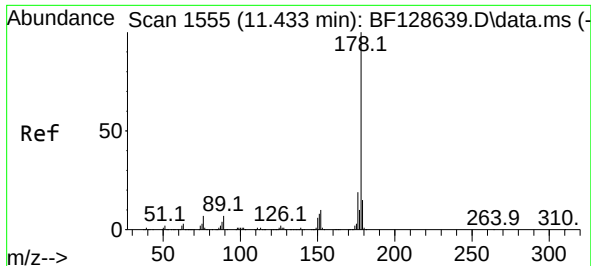
Tgt Ion:248 Resp: 10293  
Ion Ratio Lower Upper  
248 100  
250 185.4 80.6 120.8#  
141 477.0 58.9 88.3#



#71  
Phenanthrene  
Concen: 338.485 ng  
RT: 11.357 min Scan# 1542  
Delta R.T. 0.018 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:178 Resp: 3691938  
Ion Ratio Lower Upper  
178 100  
176 20.4 16.0 24.0  
179 16.6 12.6 19.0

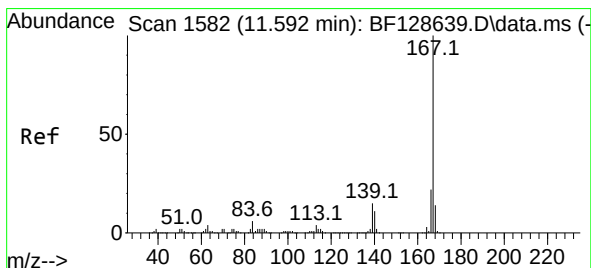
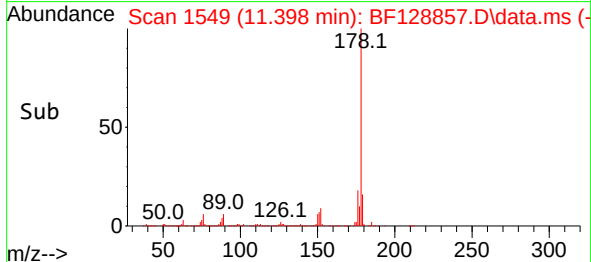
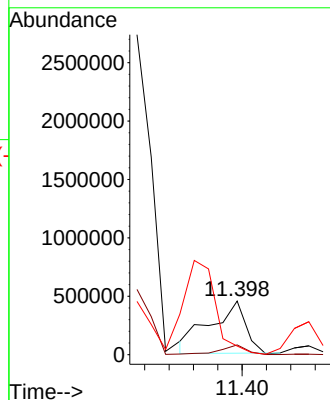
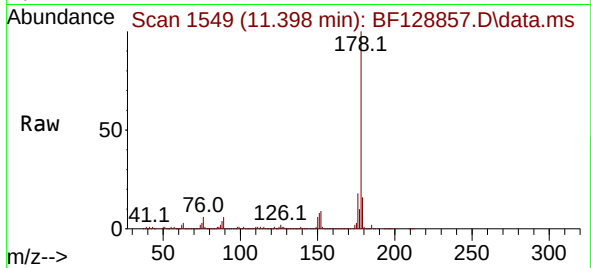




#72  
 Anthracene  
 Concen: 42.216 ng  
 RT: 11.398 min Scan# 1549  
 Delta R.T. 0.006 min  
 Lab File: BF128857.D  
 Acq: 17 Jun 2022 16:39

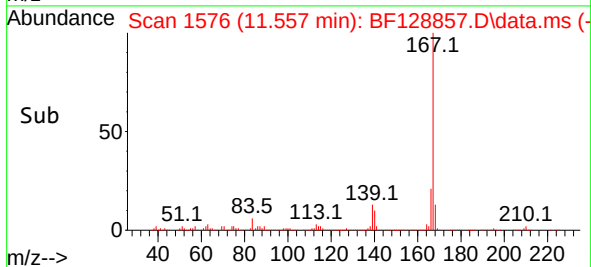
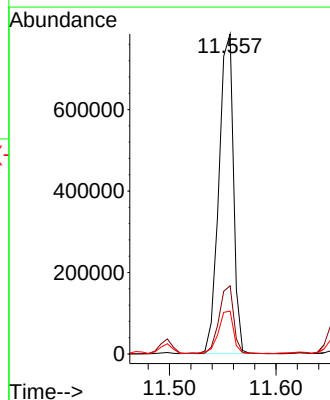
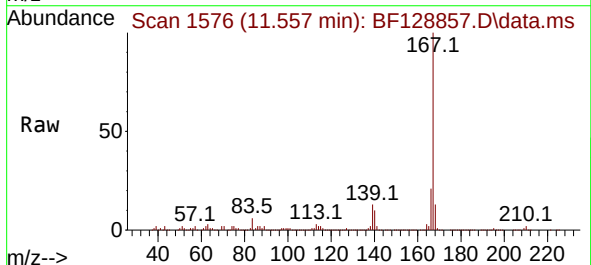
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SC-1E

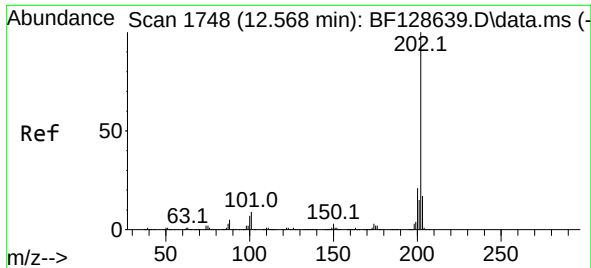
Tgt Ion:178 Resp: 455753  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.4 23.2  
 179 16.2 12.6 19.0



#73  
 Carbazole  
 Concen: 74.094 ng  
 RT: 11.557 min Scan# 1576  
 Delta R.T. 0.006 min  
 Lab File: BF128857.D  
 Acq: 17 Jun 2022 16:39

Tgt Ion:167 Resp: 742949  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.7 26.5  
 139 13.4 11.2 16.8

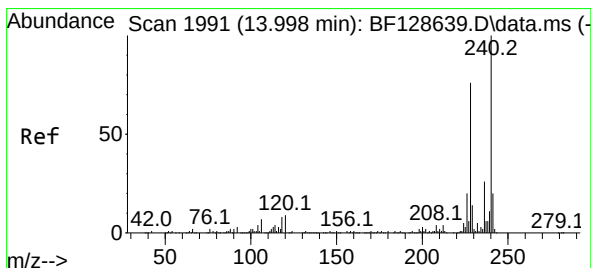
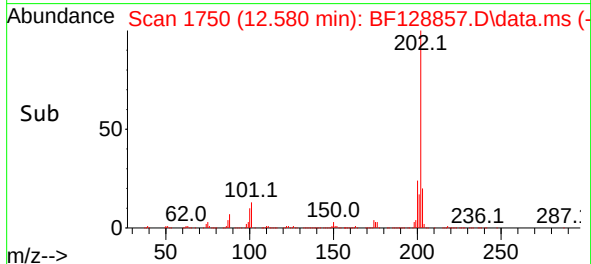
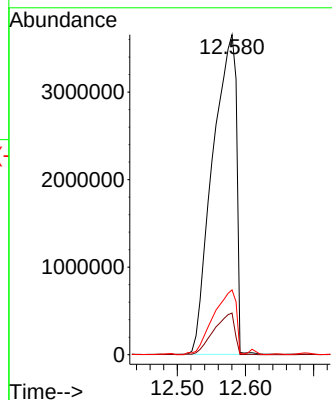
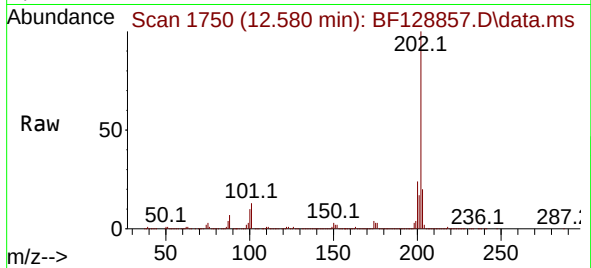




#75  
Fluoranthene  
Concen: 777.698 ng  
RT: 12.580 min Scan# 11  
Delta R.T. 0.053 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

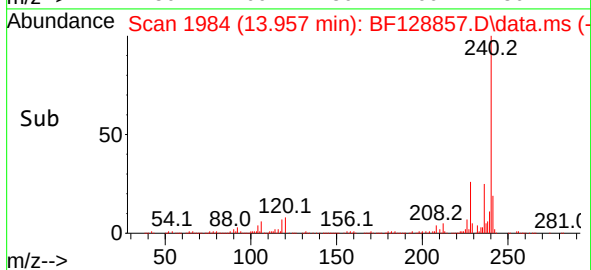
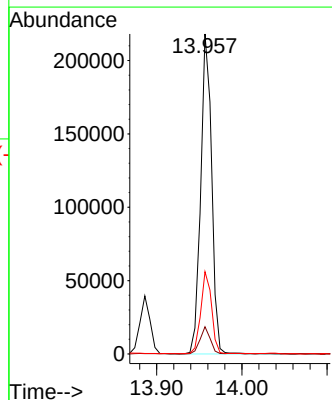
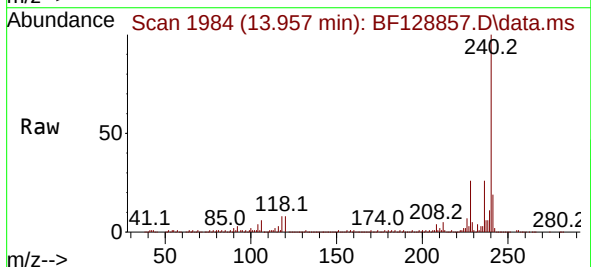
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

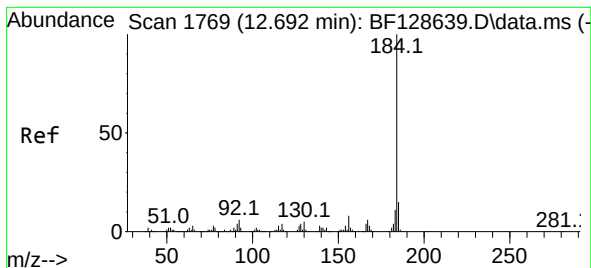
Tgt Ion:202 Resp: 8866788  
Ion Ratio Lower Upper  
202 100  
101 13.0 0.0 31.4  
203 20.2 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:240 Resp: 195070  
Ion Ratio Lower Upper  
240 100  
120 8.5 8.9 13.3#  
236 25.7 20.8 31.2





#77

Benzidine

Concen: 27.893 ng

RT: 12.751 min Scan# 1779

Delta R.T. 0.100 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

Instrument :

BNA\_F

ClientSampleId :

SC-1E

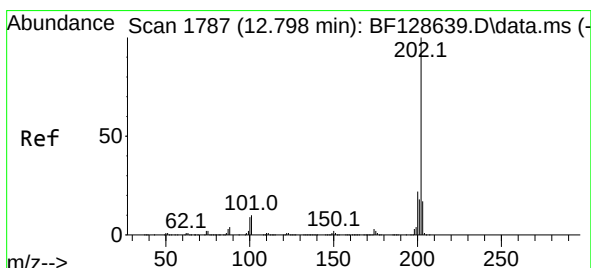
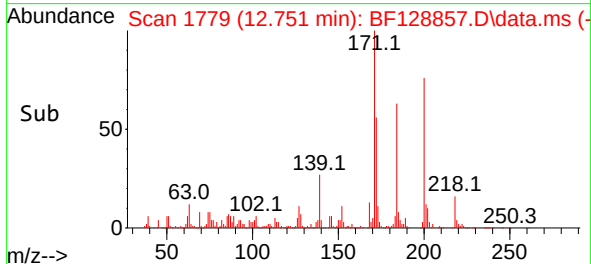
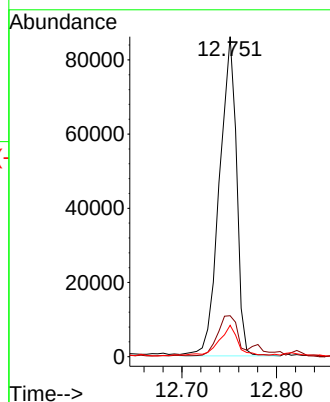
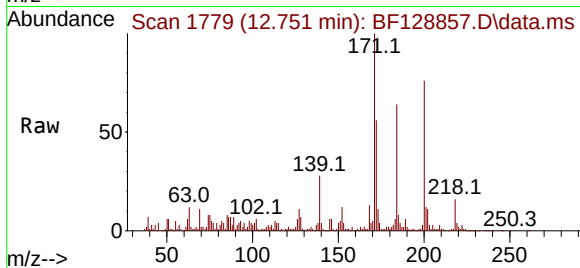
Tgt Ion:184 Resp: 108467

Ion Ratio Lower Upper

184 100

185 12.8 11.9 17.9

183 9.8 9.3 13.9



#78

Pyrene

Concen: 367.777 ng

RT: 12.804 min Scan# 1788

Delta R.T. 0.047 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

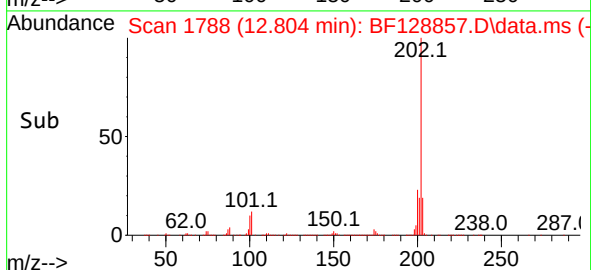
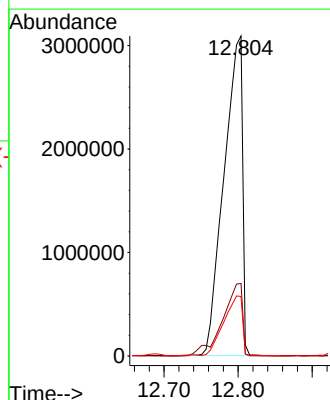
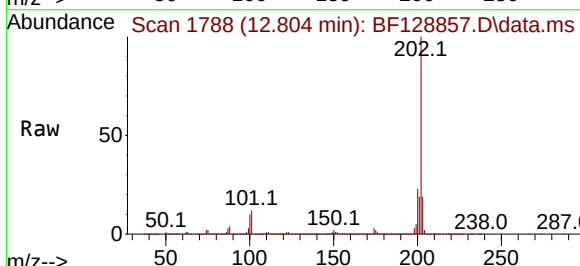
Tgt Ion:202 Resp: 5337596

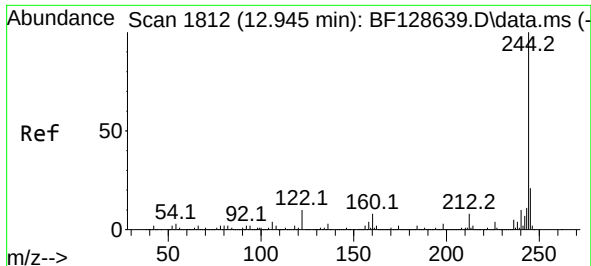
Ion Ratio Lower Upper

202 100

200 22.7 17.7 26.5

203 18.6 14.6 21.8

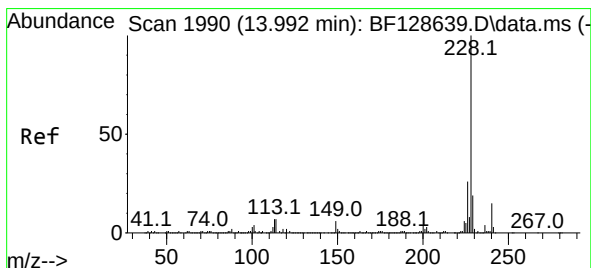
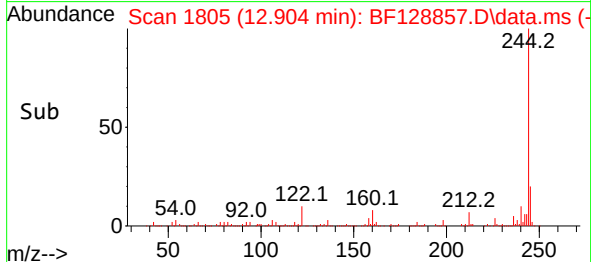
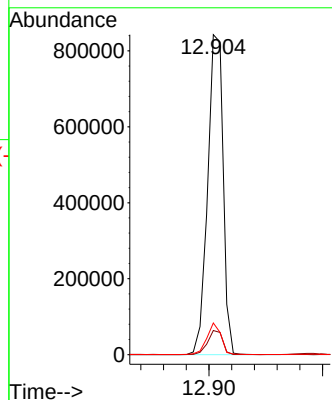
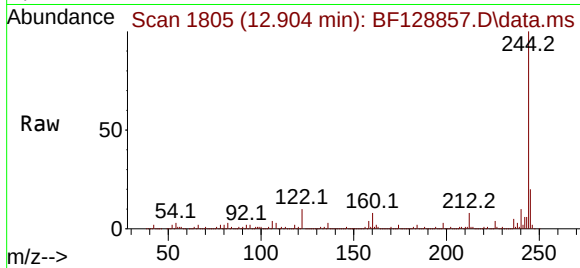




#79  
 Terphenyl-d14  
 Concen: 70.971 ng  
 RT: 12.904 min Scan# 1812  
 Delta R.T. -0.000 min  
 Lab File: BF128857.D  
 Acq: 17 Jun 2022 16:39

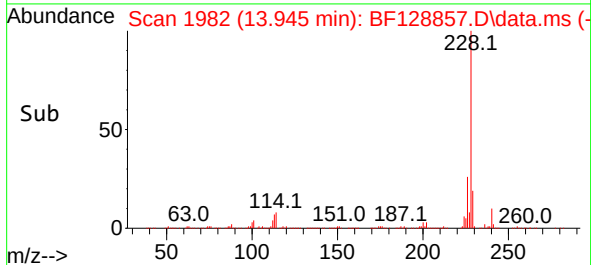
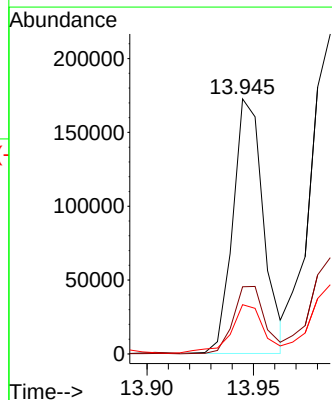
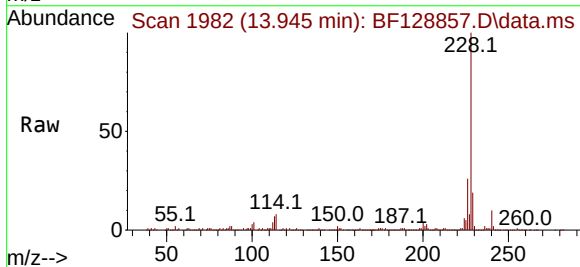
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SC-1E

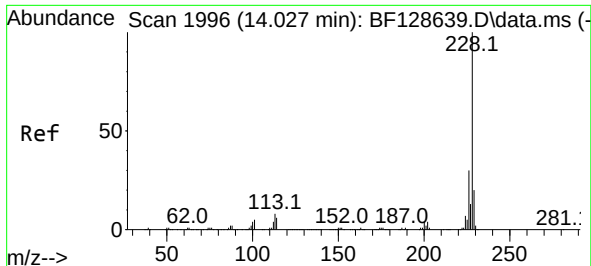
Tgt Ion:244 Resp: 796738  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.1 9.1  
 122 9.9 8.8 13.2



#81  
 Benzo(a)anthracene  
 Concen: 14.166 ng  
 RT: 13.945 min Scan# 1982  
 Delta R.T. -0.006 min  
 Lab File: BF128857.D  
 Acq: 17 Jun 2022 16:39

Tgt Ion:228 Resp: 172244  
 Ion Ratio Lower Upper  
 228 100  
 226 26.3 22.1 33.1  
 229 19.3 15.8 23.8

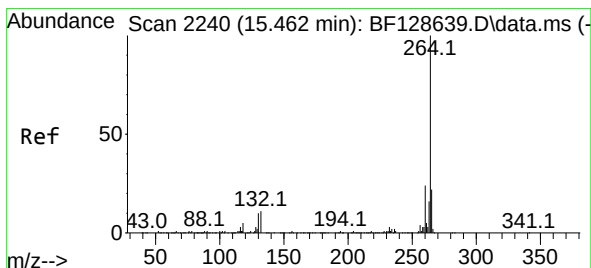
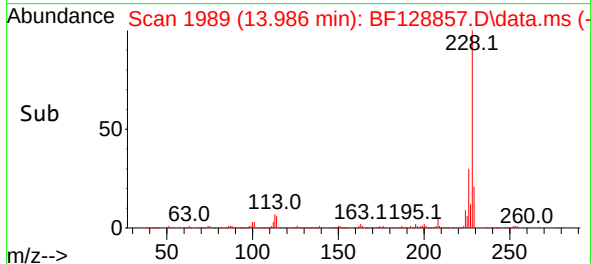
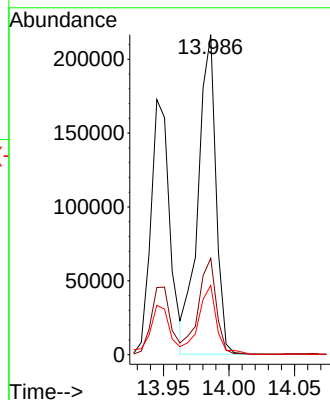
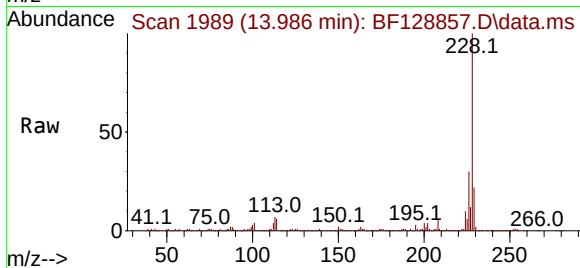




#83  
Chrysene  
Concen: 17.722 ng  
RT: 13.986 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

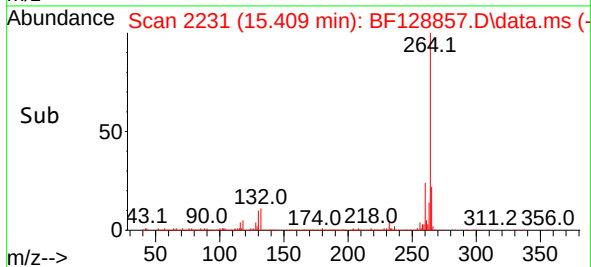
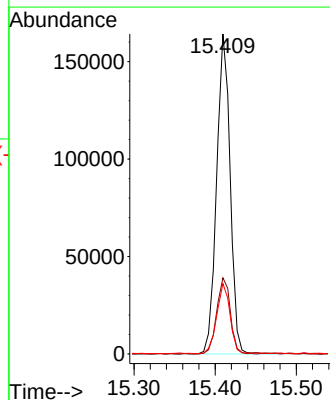
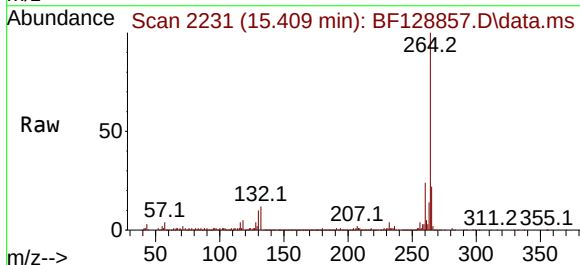
Instrument :  
BNA\_F  
ClientSampleId :  
SC-1E

Tgt Ion:228 Resp: 205447  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.3 36.5  
229 21.7 15.9 23.9

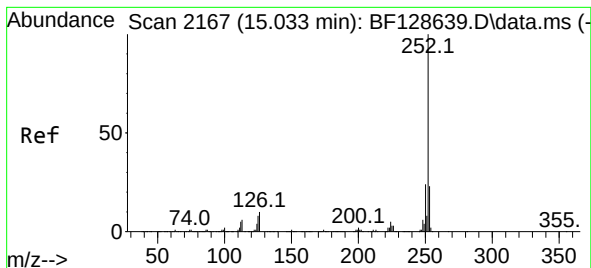


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.409 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: BF128857.D  
Acq: 17 Jun 2022 16:39

Tgt Ion:264 Resp: 190226  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.4 27.6  
265 22.0 17.2 25.8







#88

Benzo(b)fluoranthene

Concen: 2.041 ng

RT: 14.992 min Scan# 2160

Delta R.T. -0.000 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

Instrument :

BNA\_F

ClientSampleId :

SC-1E

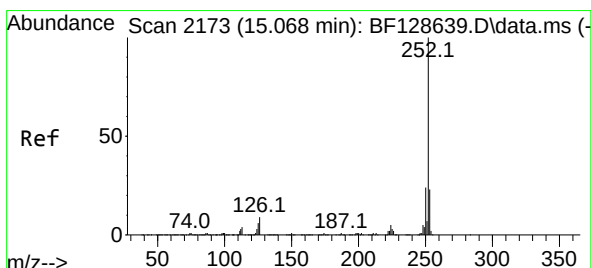
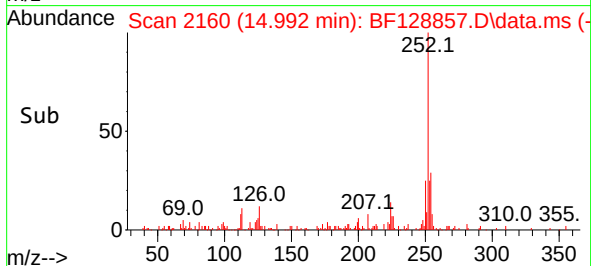
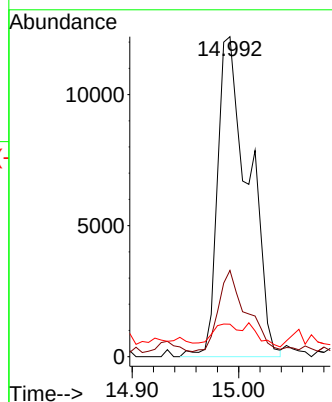
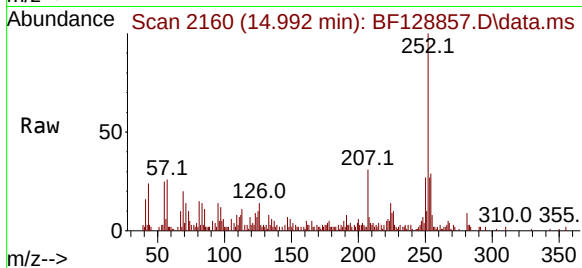
Tgt Ion:252 Resp: 24812

Ion Ratio Lower Upper

252 100

253 27.0 17.7 26.5#

125 10.1 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 2.170 ng

RT: 14.992 min Scan# 2160

Delta R.T. -0.035 min

Lab File: BF128857.D

Acq: 17 Jun 2022 16:39

Tgt Ion:252 Resp: 24812

Ion Ratio Lower Upper

252 100

253 27.0 17.8 26.6#

125 10.1 8.3 12.5

