

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
 Data File : BF129907.D  
 Acq On : 19 Aug 2022 12:29  
 Operator : CG\JU  
 Sample : N4217-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP4-0815

Quant Time: Aug 20 07:42:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 18 12:03:10 2022  
 Response via : Initial Calibration

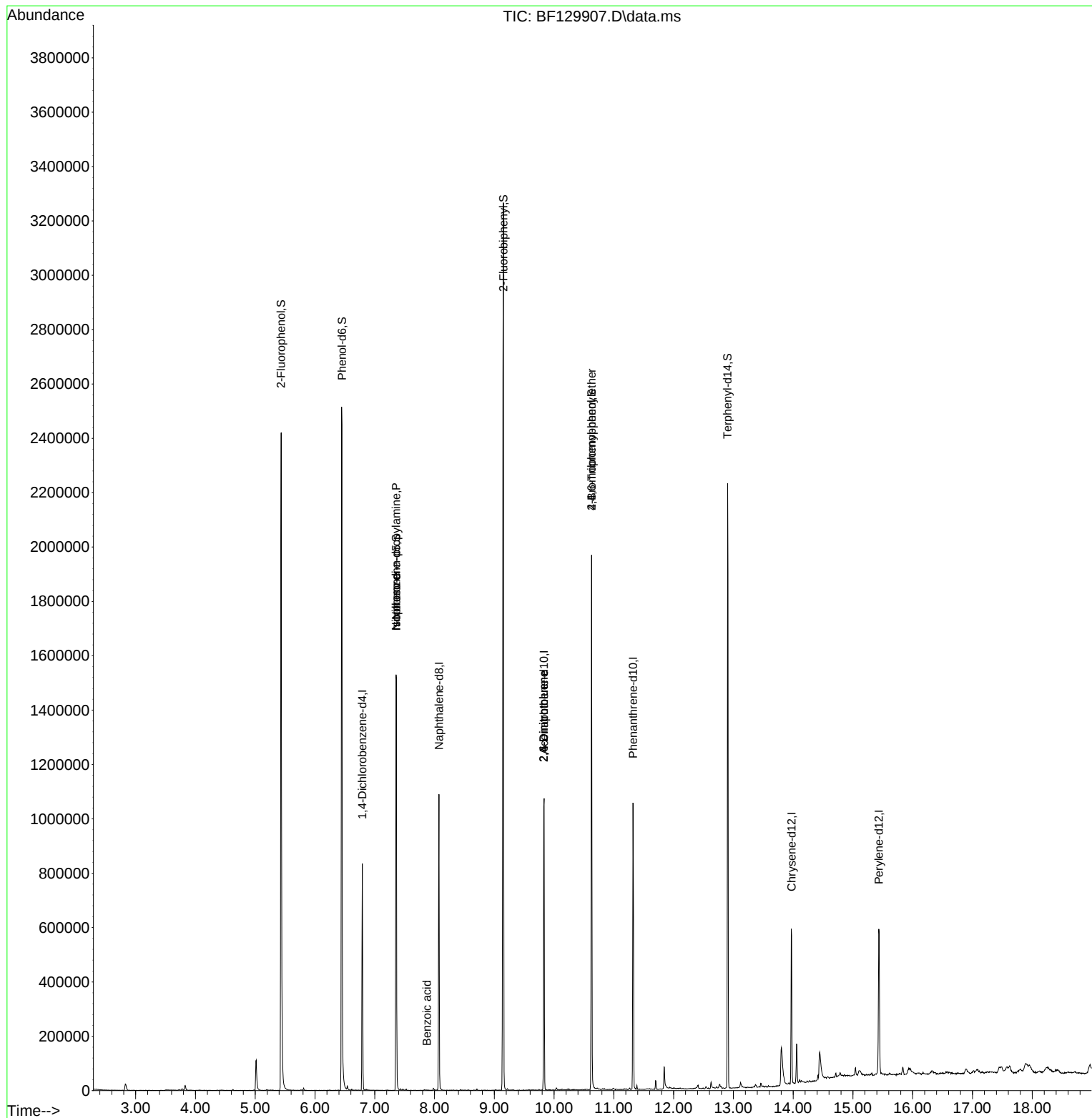
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 112541   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 446387   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 229121   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 338453   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 196473   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.433 | 264  | 247598   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 705631   | 103.812   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 898931   | 105.608   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 528714   | 63.405    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 212833   | 92.553    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 988741   | 65.542    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 720985   | 61.060    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.369  | 77   | 202      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 69408    | 12.900    | ng    | # 77     |
| 25) Isophorone                | 7.357  | 82   | 528709   | 36.838    | ng    | # 65     |
| 32) Benzoic acid              | 7.875  | 122  | 209      | 2.252     | ng    | # 33     |
| 51) 2,6-Dinitrotoluene        | 9.828  | 165  | 30303    | 8.505     | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.828  | 165  | 30303    | 6.552     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.628 | 248  | 13694    | 3.454     | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 9769     | Below Cal | #     | 92       |
| -----                         |        |      |          |           |       |          |

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

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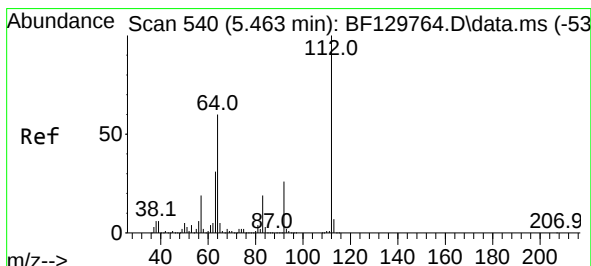
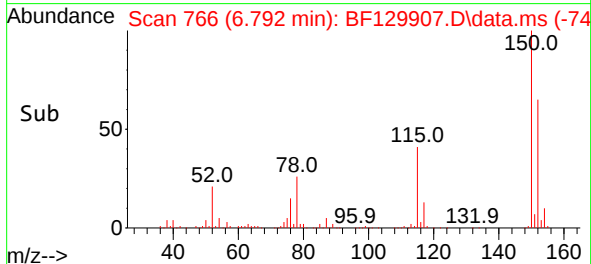
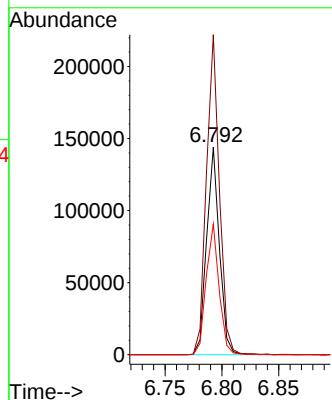
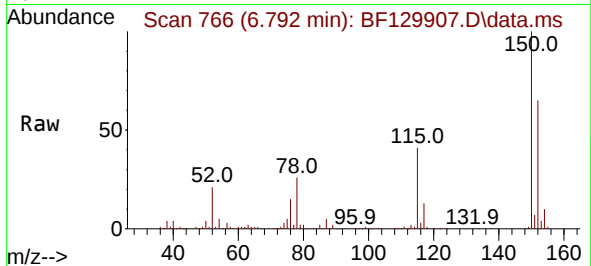




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

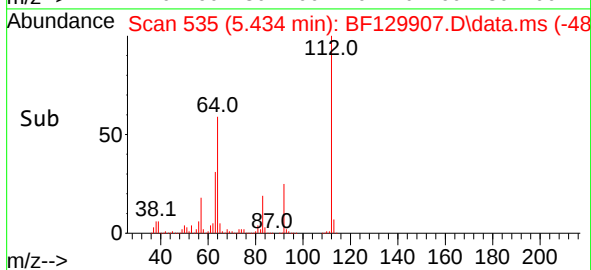
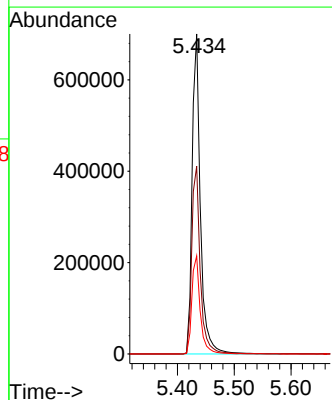
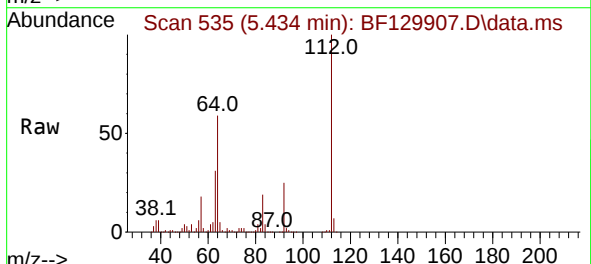
Instrument :  
BNA\_F  
ClientSampleId :  
TP4-0815

Tgt Ion:152 Resp: 112541  
Ion Ratio Lower Upper  
152 100  
150 154.1 126.9 190.3  
115 63.0 53.4 80.0



#5  
2-Fluorophenol  
Concen: 103.812 ng  
RT: 5.434 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion:112 Resp: 705631  
Ion Ratio Lower Upper  
112 100  
64 58.7 47.6 71.4  
63 30.6 24.6 37.0

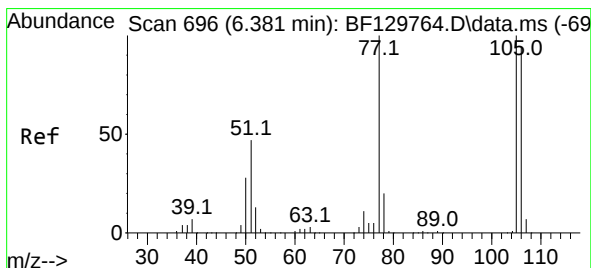
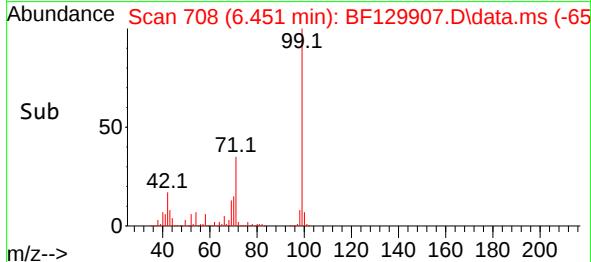
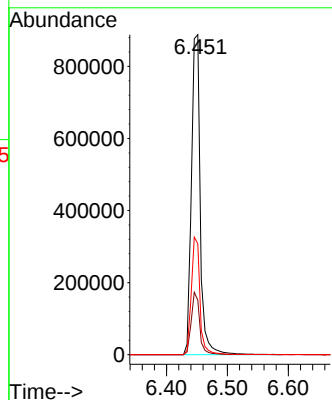
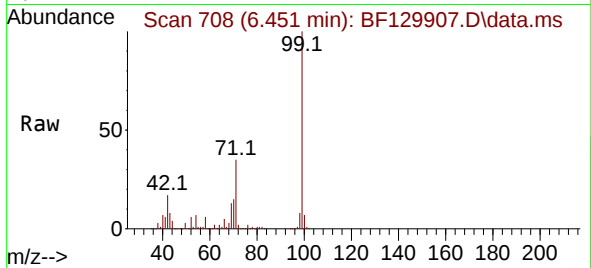




#7  
Phenol-d6  
Concen: 105.608 ng  
RT: 6.451 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

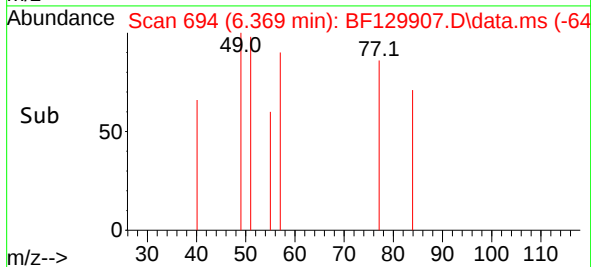
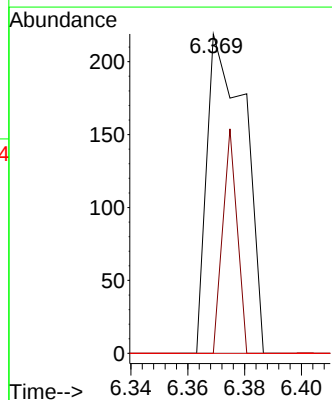
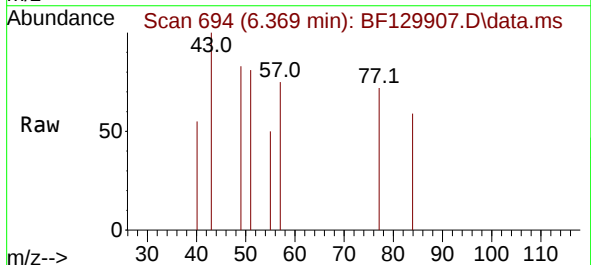
Instrument :  
BNA\_F  
ClientSampleId :  
TP4-0815

Tgt Ion: 99 Resp: 898931  
Ion Ratio Lower Upper  
99 100  
42 17.1 15.0 22.4  
71 34.7 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.369 min Scan# 694  
Delta R.T. 0.018 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion: 77 Resp: 202  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#

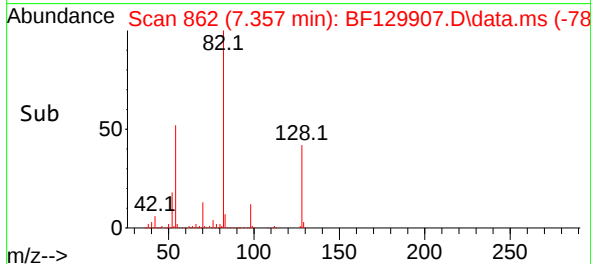
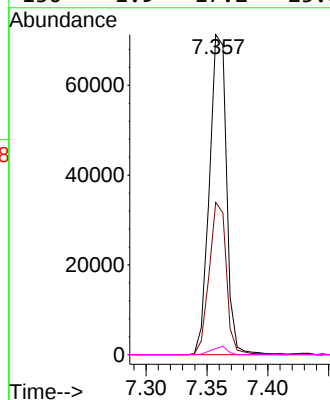
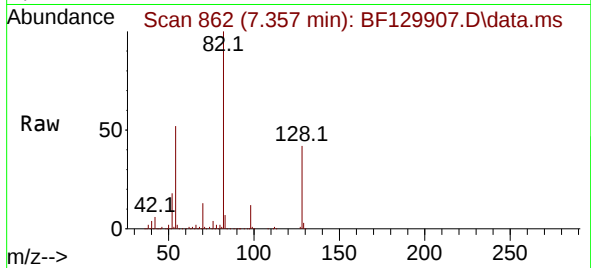




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.900 ng  
RT: 7.357 min Scan# 80  
Delta R.T. 0.147 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

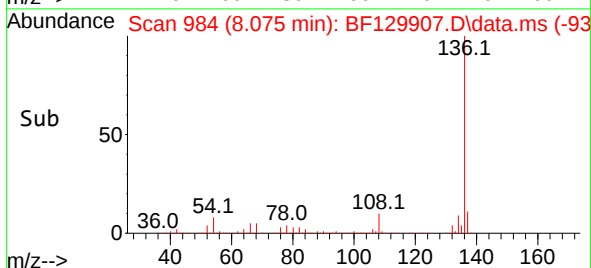
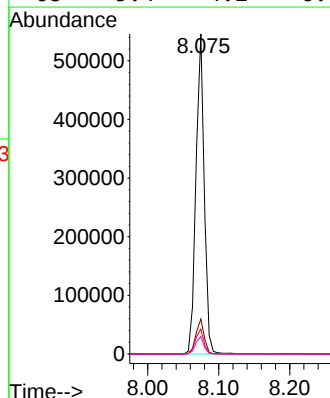
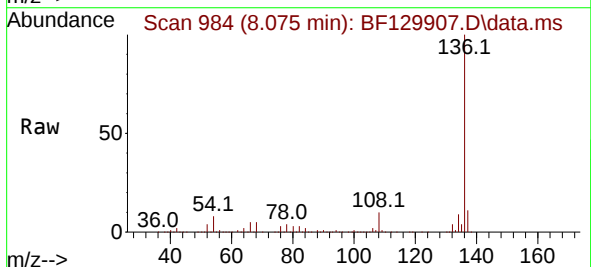
Instrument :  
BNA\_F  
ClientSampleId :  
TP4-0815

Tgt Ion: 70 Resp: 69408  
Ion Ratio Lower Upper  
70 100  
42 47.6 47.6 71.4  
101 0.0 8.1 12.1#  
130 1.9 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion: 136 Resp: 446387  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 7.8 6.2 9.2  
68 5.4 4.2 6.4

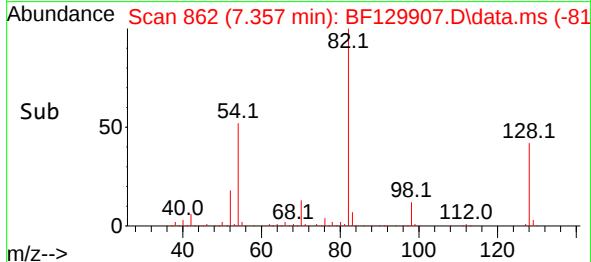
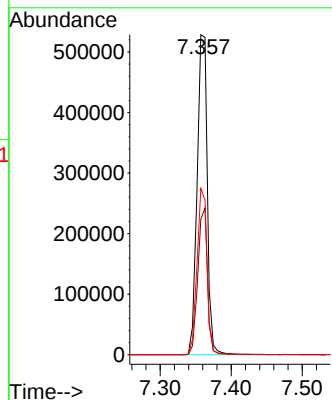
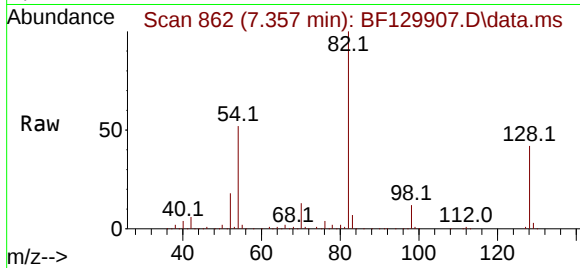




#23  
Nitrobenzene-d5  
Concen: 63.405 ng  
RT: 7.357 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

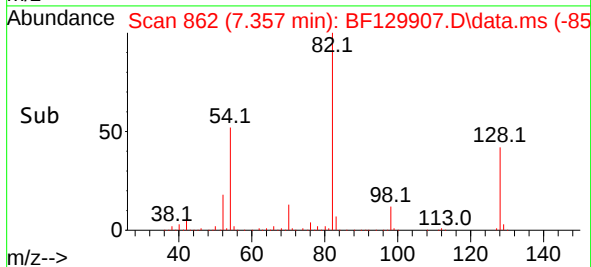
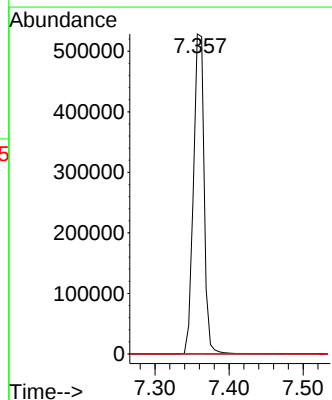
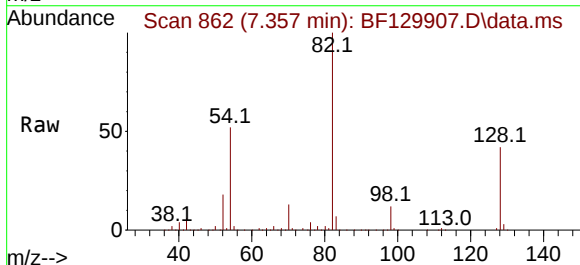
Instrument :  
BNA\_F  
ClientSampleId :  
TP4-0815

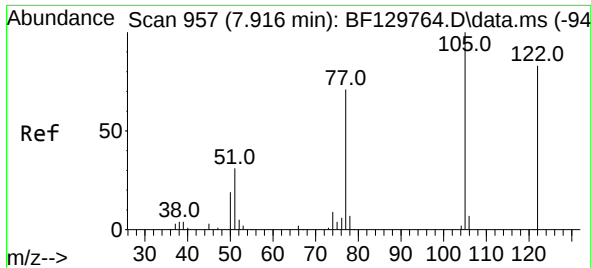
Tgt Ion: 82 Resp: 528714  
Ion Ratio Lower Upper  
82 100  
128 42.4 36.1 54.1  
54 52.0 40.0 60.0



#25  
Isophorone  
Concen: 36.838 ng  
RT: 7.357 min Scan# 862  
Delta R.T. -0.265 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion: 82 Resp: 528709  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#

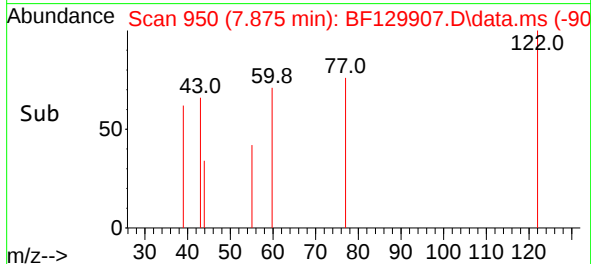
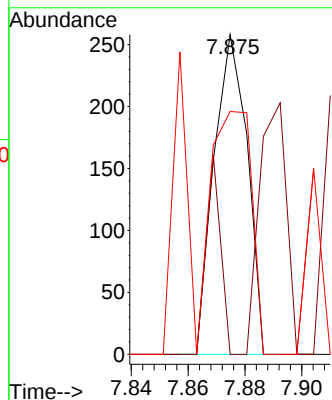
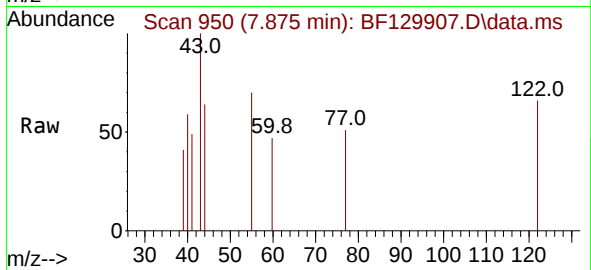




#32  
Benzoic acid  
Concen: 2.252 ng  
RT: 7.875 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

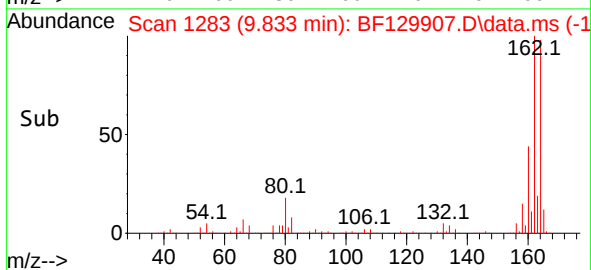
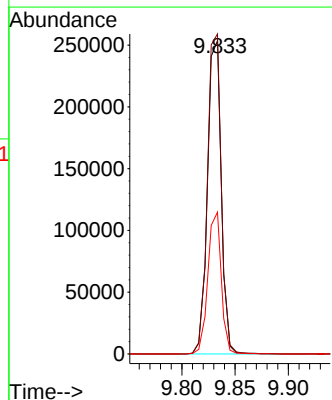
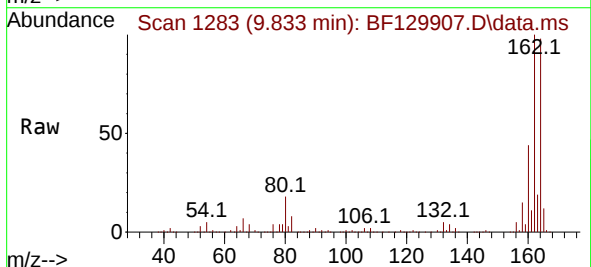
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TP4-0815

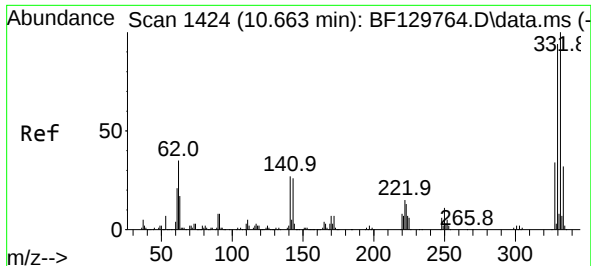
Tgt Ion:122 Resp: 209  
Ion Ratio Lower Upper  
122 100  
105 0.0 99.9 139.9#  
77 76.0 65.9 105.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion:164 Resp: 229121  
Ion Ratio Lower Upper  
164 100  
162 102.1 82.0 123.0  
160 45.2 35.4 53.0

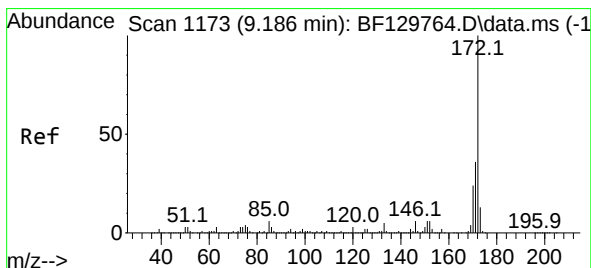
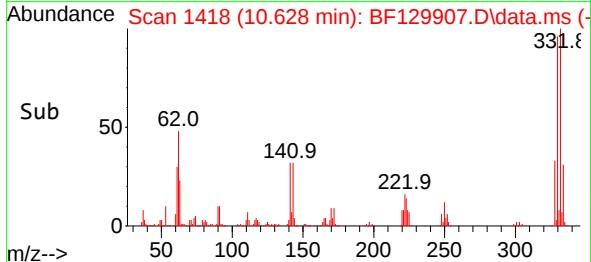
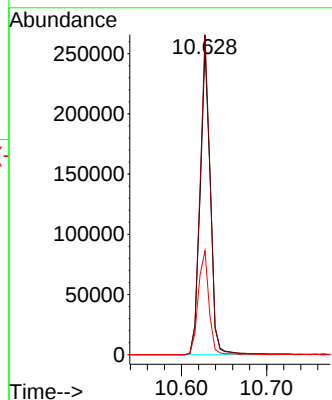
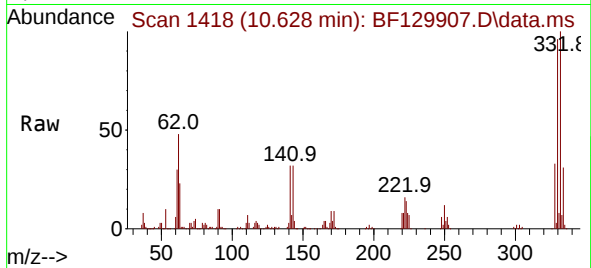




#42  
2,4,6-Tribromophenol  
Concen: 92.553 ng  
RT: 10.628 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

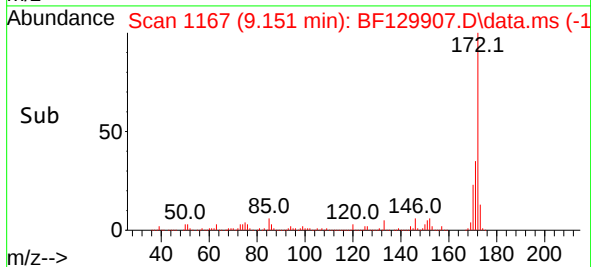
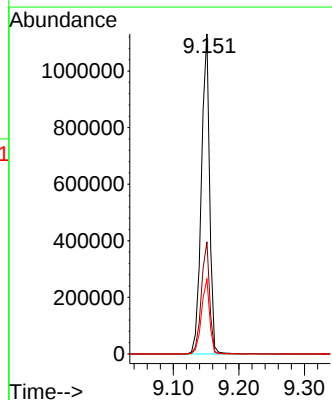
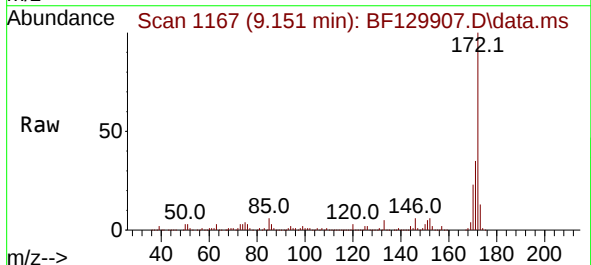
Instrument :  
BNA\_F  
ClientSampleId :  
TP4-0815

Tgt Ion: 330 Resp: 212833  
Ion Ratio Lower Upper  
330 100  
332 102.9 82.6 124.0  
141 35.5 27.6 41.4



#45  
2-Fluorobiphenyl  
Concen: 65.542 ng  
RT: 9.151 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion: 172 Resp: 988741  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.4 42.6  
170 23.4 19.1 28.7

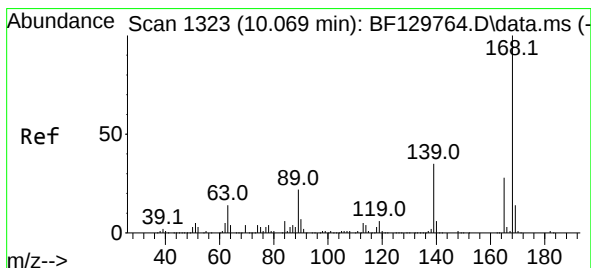
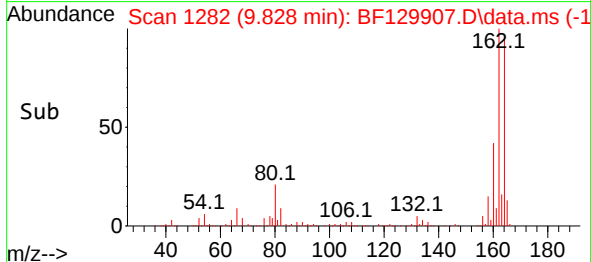
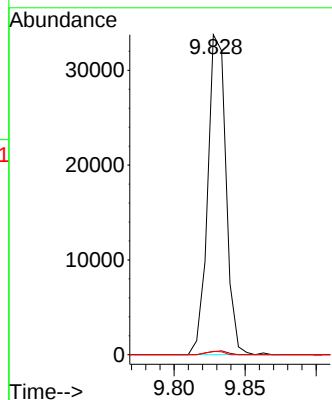
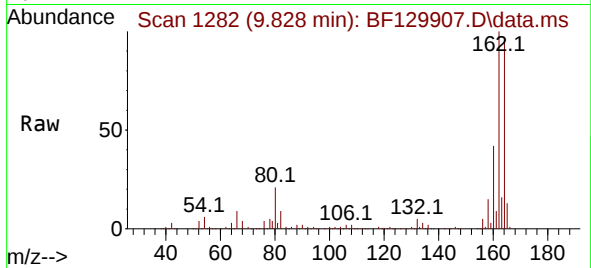




#51  
2,6-Dinitrotoluene  
Concen: 8.505 ng  
RT: 9.828 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

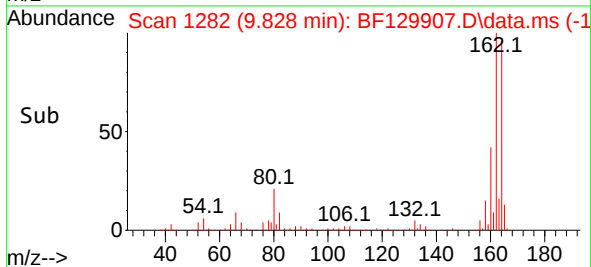
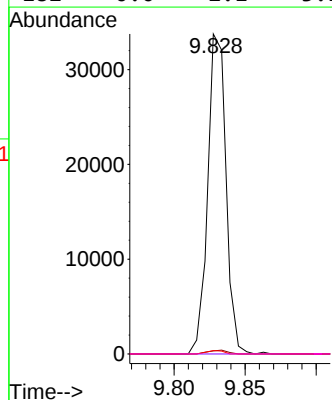
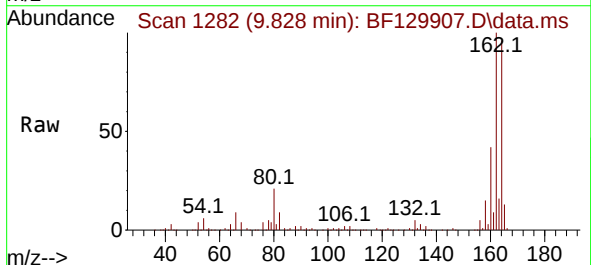
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BNA\_F  
ClientSampleId :  
TP4-0815

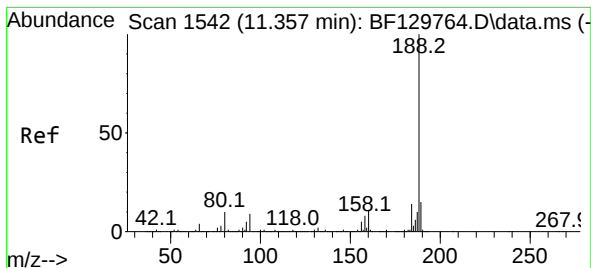
Tgt Ion:165 Resp: 30303  
Ion Ratio Lower Upper  
165 100  
63 1.0 47.8 71.8#  
89 1.0 47.2 70.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.552 ng  
RT: 9.828 min Scan# 1282  
Delta R.T. -0.212 min  
Lab File: BF129907.D  
Acq: 19 Aug 2022 12:29

Tgt Ion:165 Resp: 30303  
Ion Ratio Lower Upper  
165 100  
63 1.0 48.4 72.6#  
89 1.0 62.3 93.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129907.D

Acq: 19 Aug 2022 12:29

Instrument :

BNA\_F

ClientSampleId :

TP4-0815

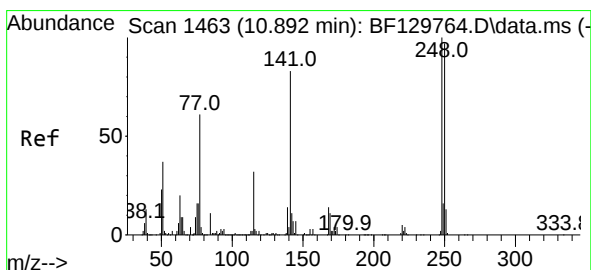
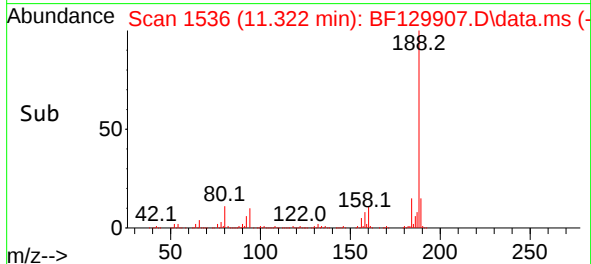
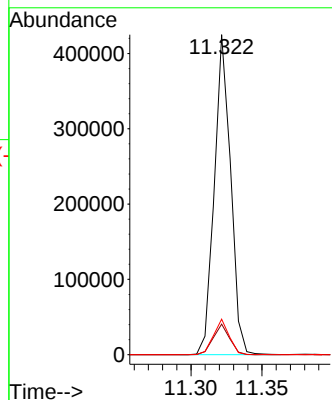
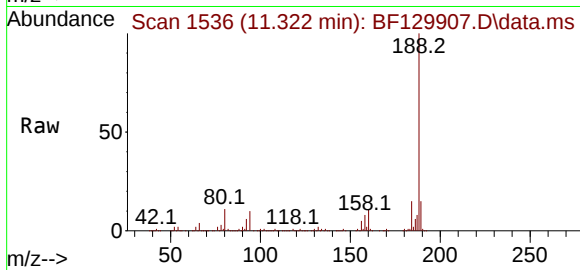
Tgt Ion:188 Resp: 338453

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 11.1 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.454 ng

RT: 10.628 min Scan# 1418

Delta R.T. -0.235 min

Lab File: BF129907.D

Acq: 19 Aug 2022 12:29

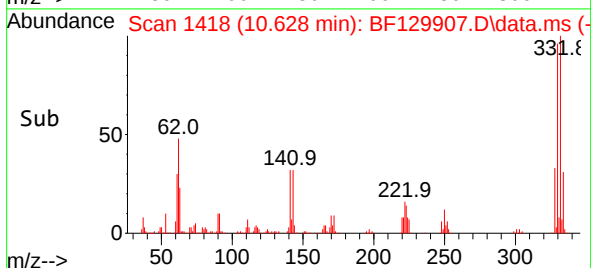
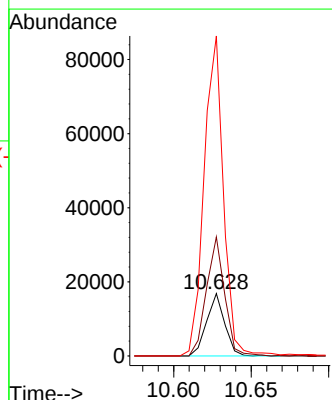
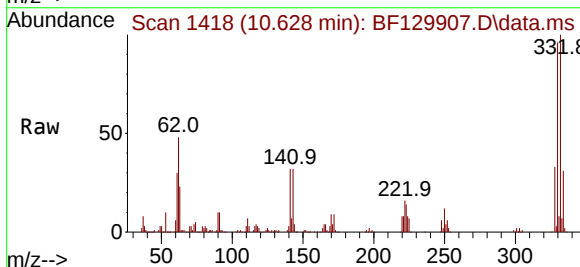
Tgt Ion:248 Resp: 13694

Ion Ratio Lower Upper

248 100

250 190.8 77.8 116.6#

141 512.8 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 1805

Delta R.T. 0.000 min

Lab File: BF129907.D

Acq: 19 Aug 2022 12:29

Instrument :

BNA\_F

ClientSampleId :

TP4-0815

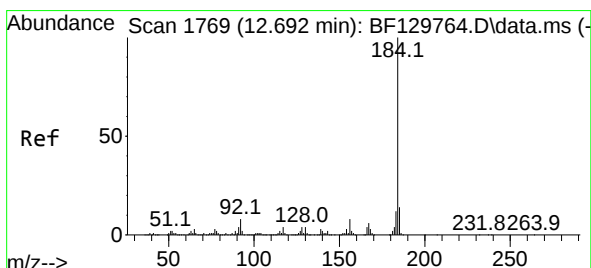
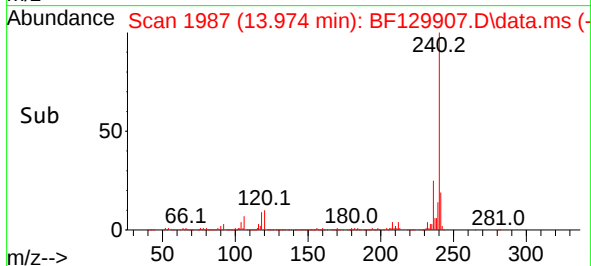
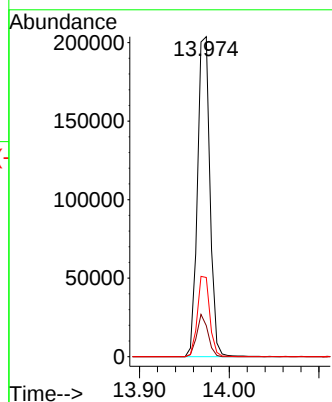
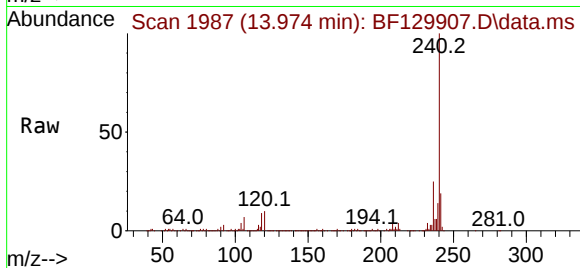
Tgt Ion:240 Resp: 196473

Ion Ratio Lower Upper

240 100

120 9.7 9.2 13.8

236 24.8 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.904 min Scan# 1805

Delta R.T. 0.241 min

Lab File: BF129907.D

Acq: 19 Aug 2022 12:29

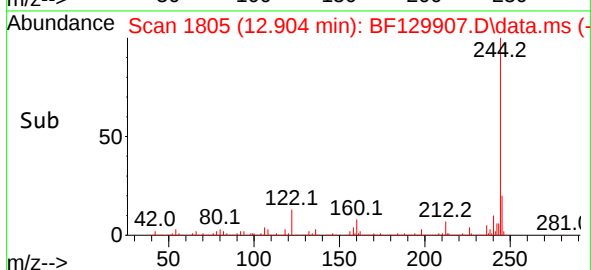
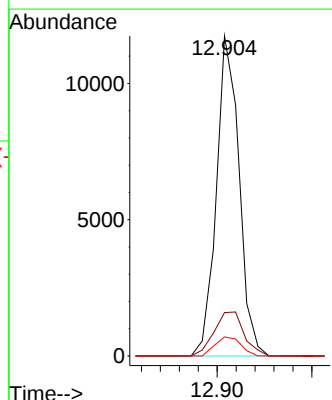
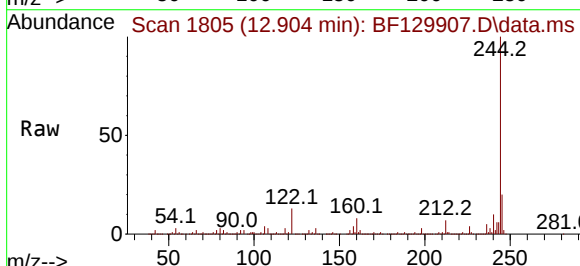
Tgt Ion:184 Resp: 9769

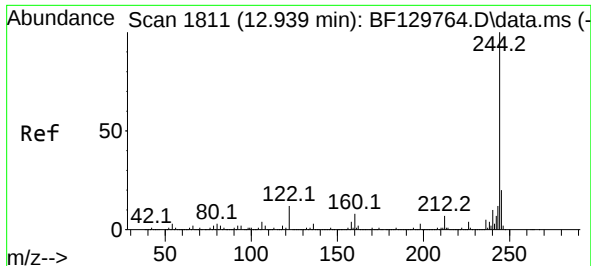
Ion Ratio Lower Upper

184 100

185 13.5 11.4 17.2

183 6.0 9.4 14.2#

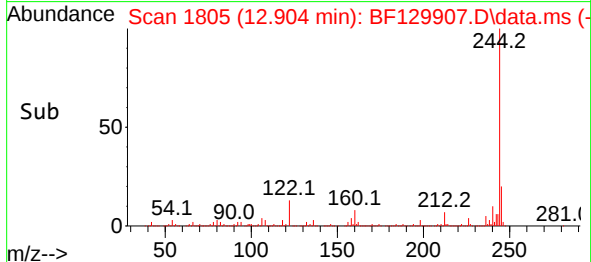
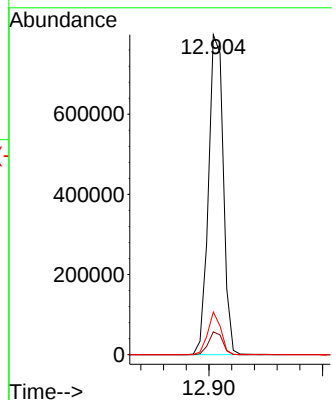
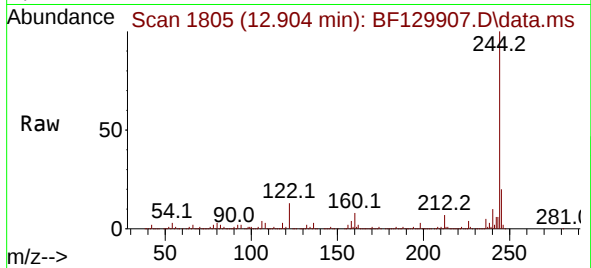




#79  
 Terphenyl-d14  
 Concen: 61.060 ng  
 RT: 12.904 min Scan# 1811  
 Delta R.T. -0.006 min  
 Lab File: BF129907.D  
 Acq: 19 Aug 2022 12:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP4-0815

Tgt Ion:244 Resp: 720985  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 13.4 9.9 14.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.433 min Scan# 2235  
 Delta R.T. 0.006 min  
 Lab File: BF129907.D  
 Acq: 19 Aug 2022 12:29

Tgt Ion:264 Resp: 247598  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.1 28.7  
 265 21.5 16.7 25.1

