

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082322\  
 Data File : BF129956.D  
 Acq On : 23 Aug 2022 16:35  
 Operator : CG\JU  
 Sample : N4142-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 24 01:55:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 04:41:40 2022  
 Response via : Initial Calibration

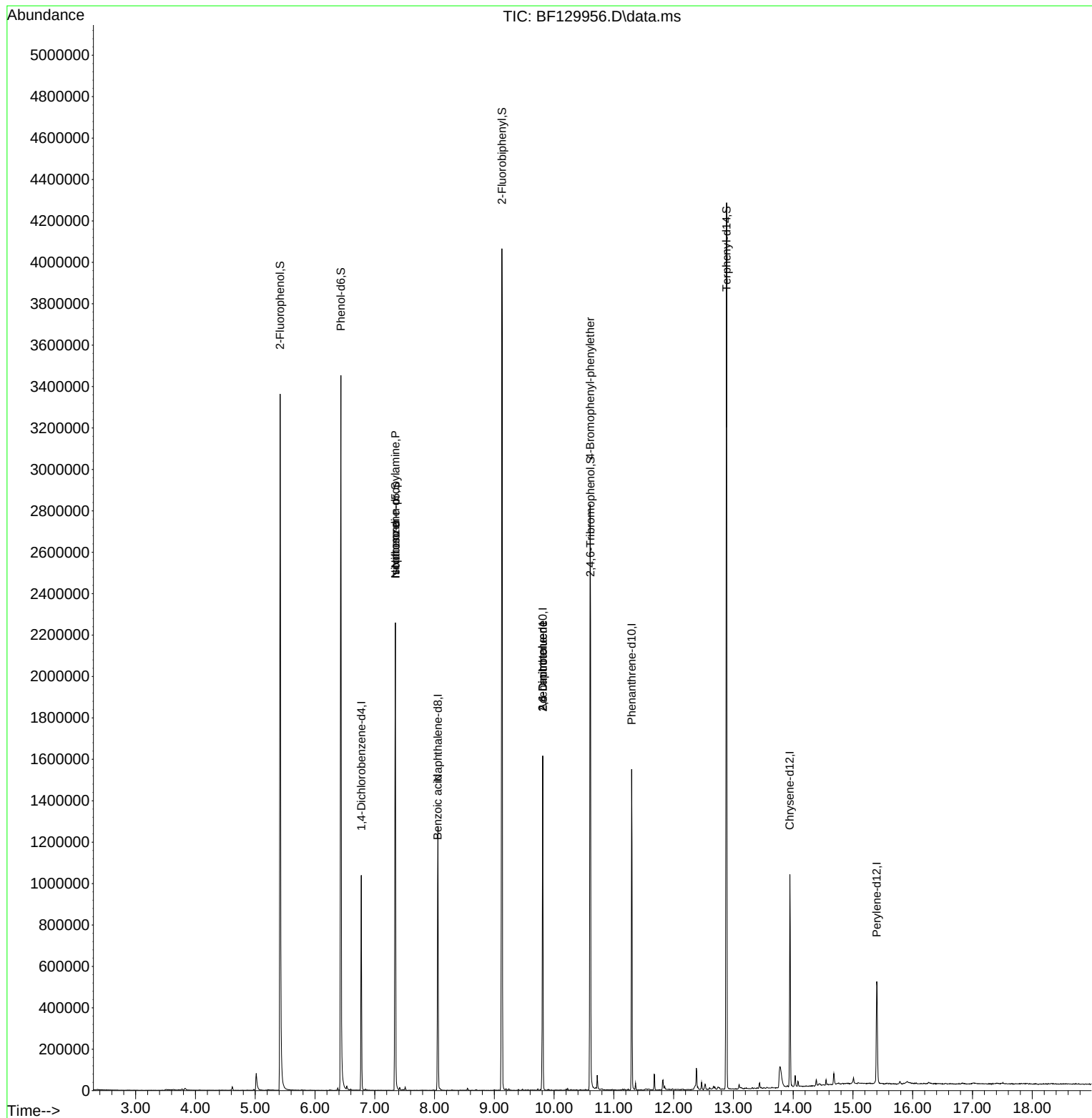
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.775  | 152  | 140013   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 571217   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.810  | 164  | 309785   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.298 | 188  | 525428   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 321747   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.398 | 264  | 227502   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 889936   | 105.238   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 1121607  | 105.914   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 742076   | 69.544    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 325001   | 104.530   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.128  | 172  | 1364749  | 66.911    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 1372443  | 70.977    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.434  | 77   | 2022     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 100228   | 14.974    | ng    | # 77     |
| 25) Isophorone                | 7.345  | 82   | 742069   | 40.405    | ng    | # 65     |
| 32) Benzoic acid              | 8.051  | 122  | 142      | 2.204     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 39627    | 8.226     | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 39627    | 6.337     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 20362    | 3.309     | ng    | # 1      |
| 77) Benzidine                 | 12.886 | 184  | 20191    | Below Cal | #     | 95       |
| -----                         |        |      |          |           |       |          |

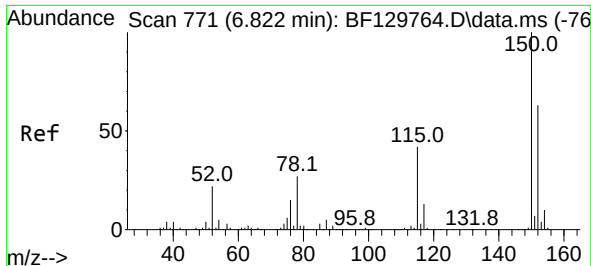
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082322\  
Data File : BF129956.D  
Acq On : 23 Aug 2022 16:35  
Operator : CG\JU  
Sample : N4142-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

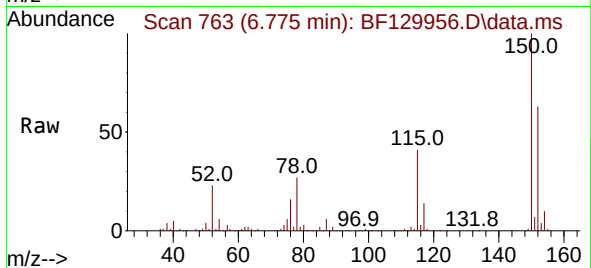
Quant Time: Aug 24 01:55:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 23 04:41:40 2022  
Response via : Initial Calibration



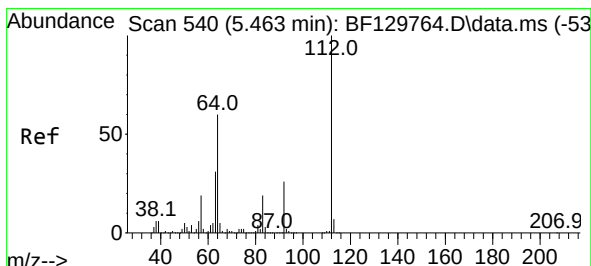
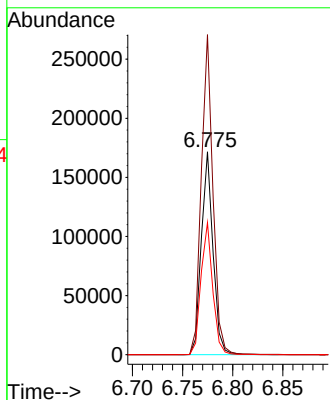
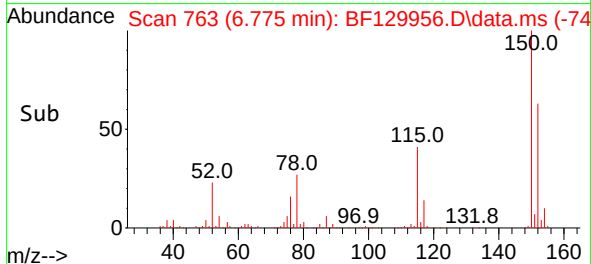


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.775 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

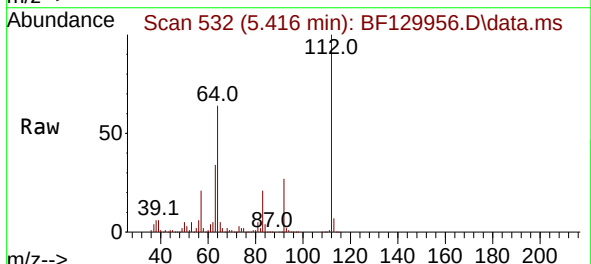
Instrument :  
BNA\_F  
ClientSampleId :



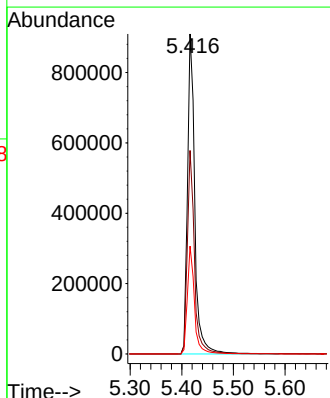
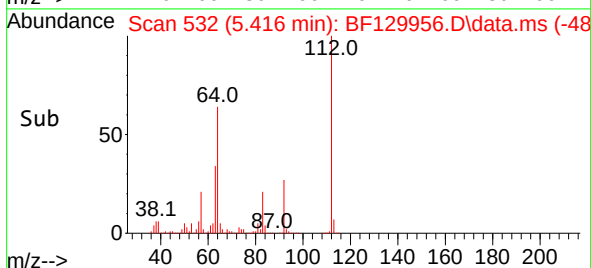
Tgt Ion:152 Resp: 140013  
Ion Ratio Lower Upper  
152 100  
150 157.8 126.9 190.3  
115 65.1 53.4 80.0

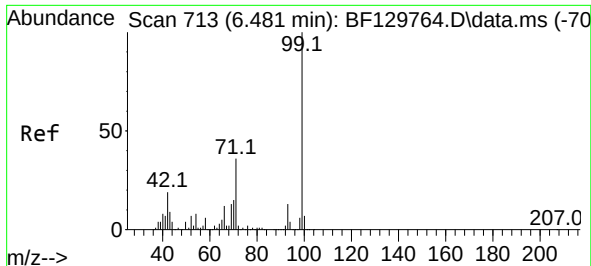


#5  
2-Fluorophenol  
Concen: 105.238 ng  
RT: 5.416 min Scan# 532  
Delta R.T. 0.006 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35



Tgt Ion:112 Resp: 889936  
Ion Ratio Lower Upper  
112 100  
64 63.6 47.6 71.4  
63 33.7 24.6 37.0

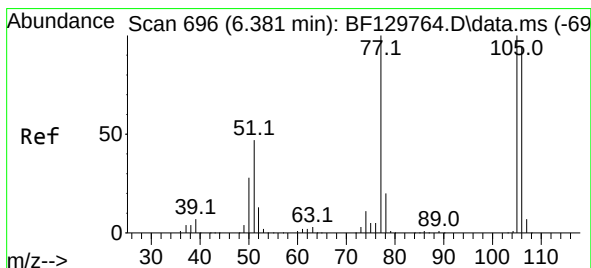
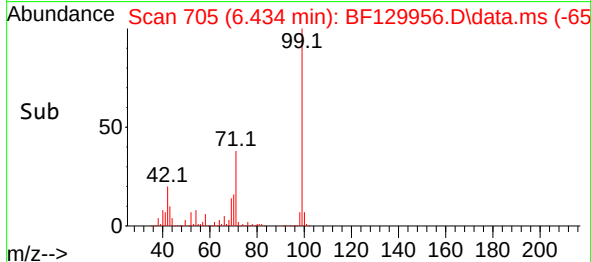
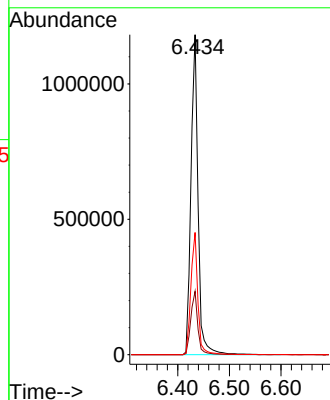
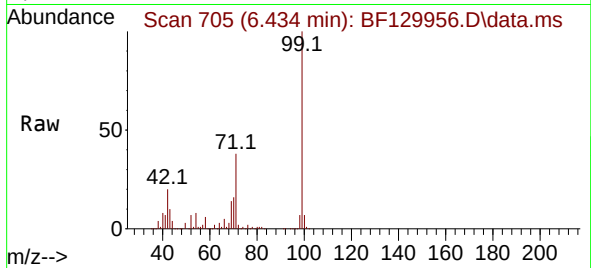




#7  
Phenol-d6  
Concen: 105.914 ng  
RT: 6.434 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

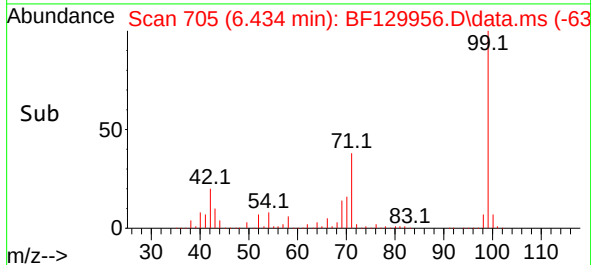
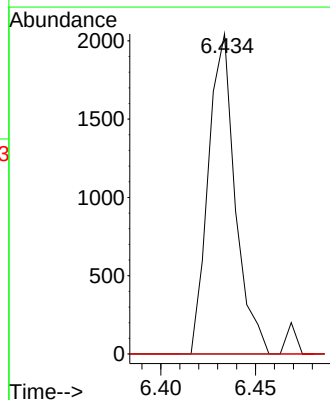
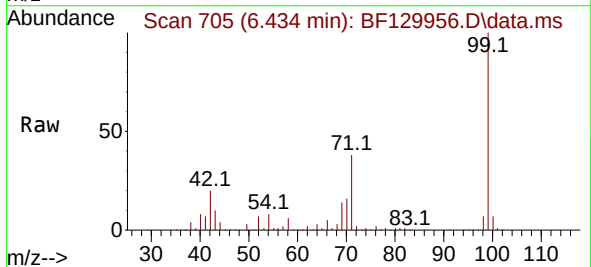
Instrument :  
BNA\_F  
ClientSampleId :

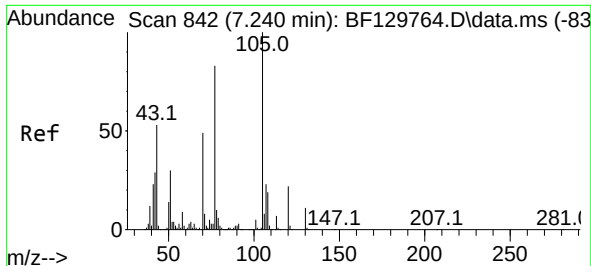
Tgt Ion: 99 Resp: 1121607  
Ion Ratio Lower Upper  
99 100  
42 19.8 15.0 22.4  
71 38.2 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.434 min Scan# 705  
Delta R.T. 0.100 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

Tgt Ion: 77 Resp: 2022  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#

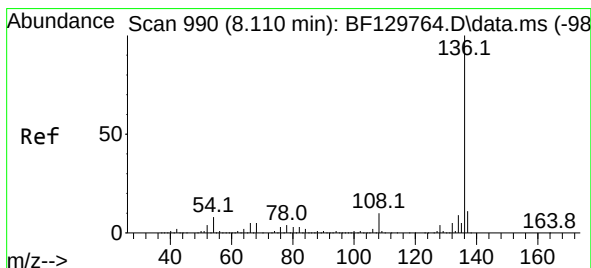
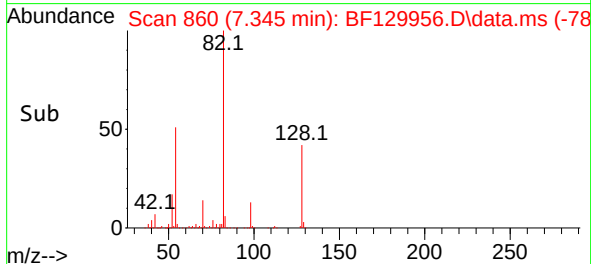
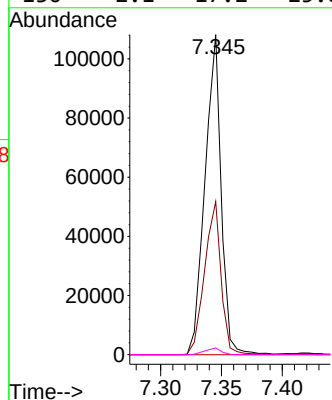
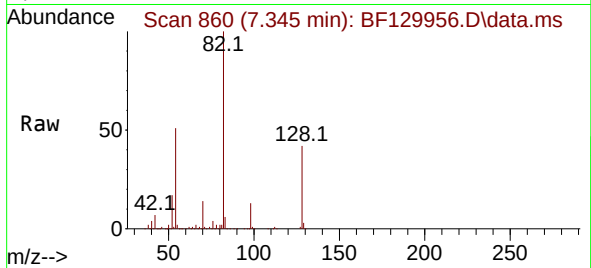




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.974 ng  
RT: 7.345 min Scan# 80  
Delta R.T. 0.147 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

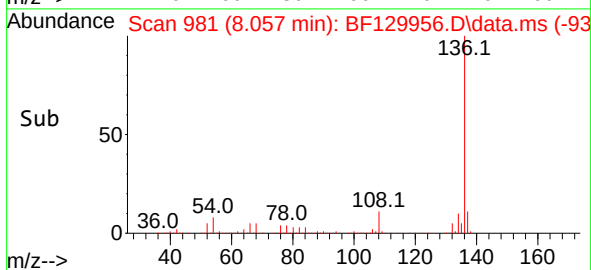
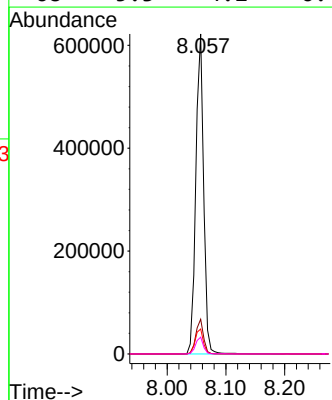
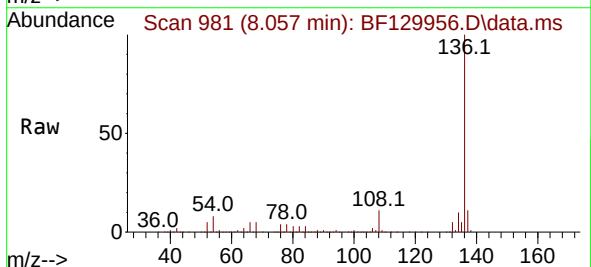
Instrument :  
BNA\_F  
ClientSampleId :

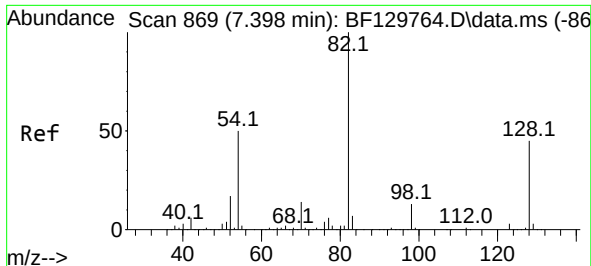
Tgt Ion: 70 Resp: 100228  
Ion Ratio Lower Upper  
70 100  
42 47.9 47.6 71.4  
101 0.0 8.1 12.1#  
130 2.1 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

Tgt Ion:136 Resp: 571217  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 7.8 6.2 9.2  
68 5.3 4.2 6.4

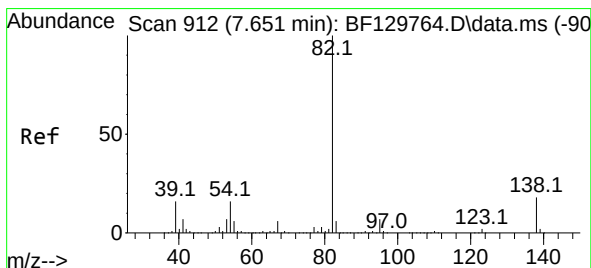
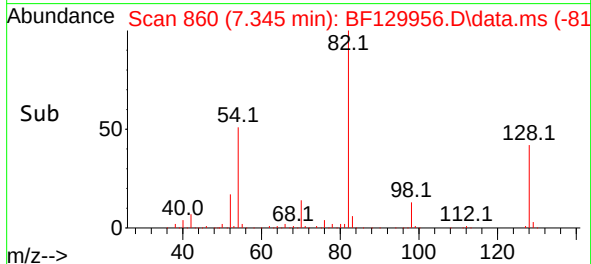
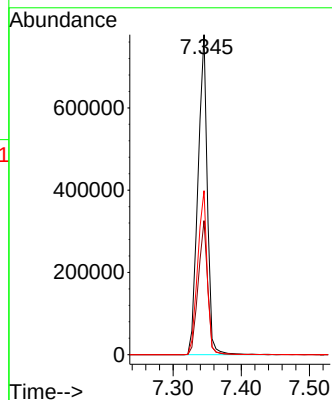
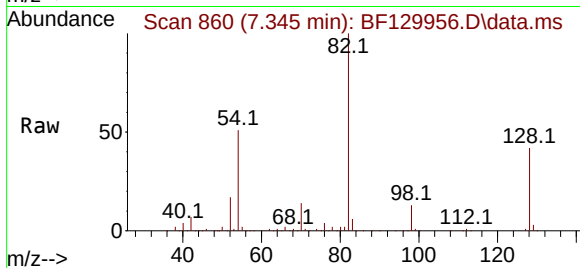




#23  
Nitrobenzene-d5  
Concen: 69.544 ng  
RT: 7.345 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

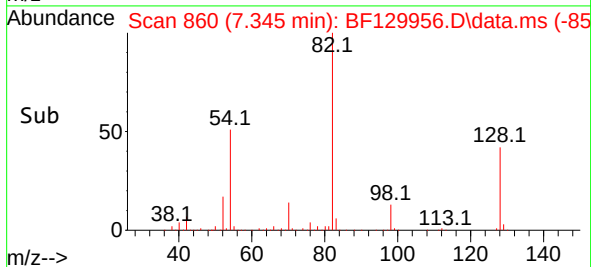
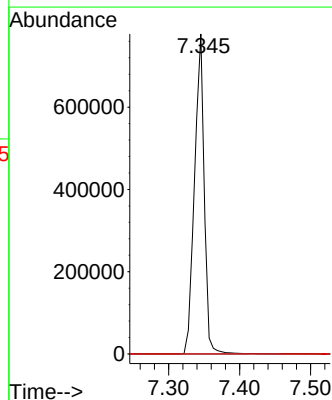
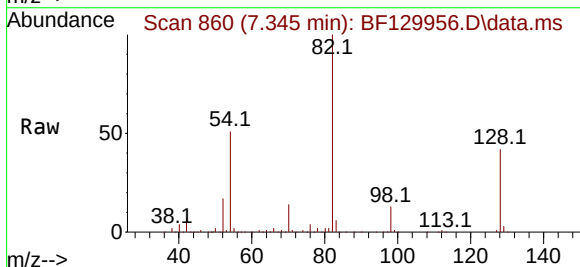
Instrument :  
BNA\_F  
ClientSampleId :

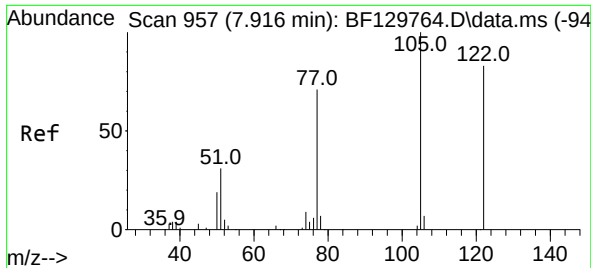
Tgt Ion: 82 Resp: 742076  
Ion Ratio Lower Upper  
82 100  
128 41.9 36.1 54.1  
54 51.3 40.0 60.0



#25  
Isophorone  
Concen: 40.405 ng  
RT: 7.345 min Scan# 860  
Delta R.T. -0.259 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

Tgt Ion: 82 Resp: 742069  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#

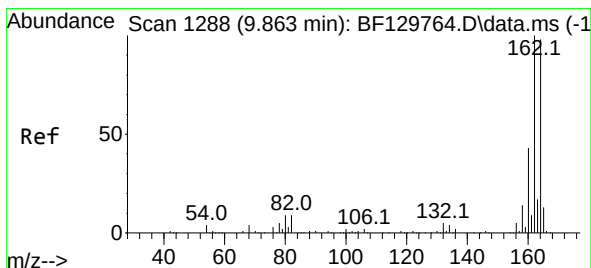
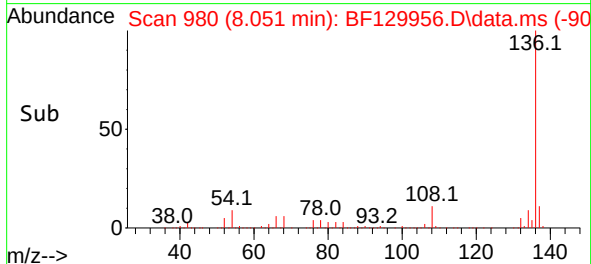
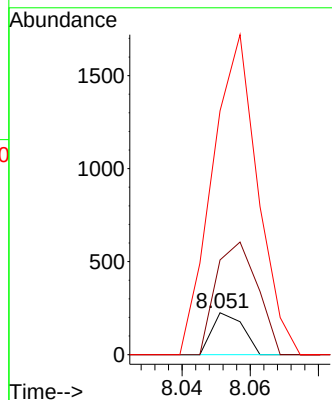
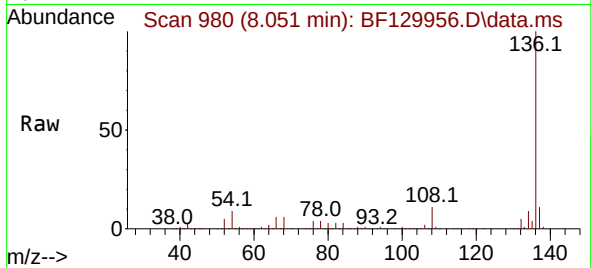




#32  
Benzoic acid  
Concen: 2.204 ng  
RT: 8.051 min Scan# 91  
Delta R.T. 0.171 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

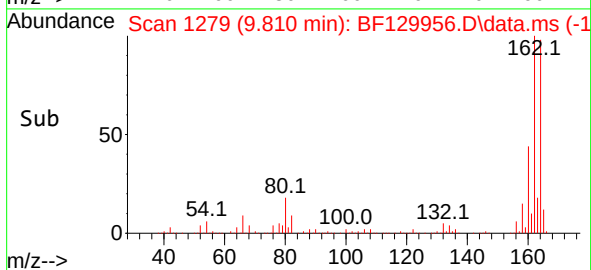
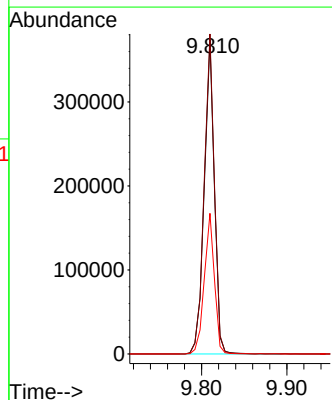
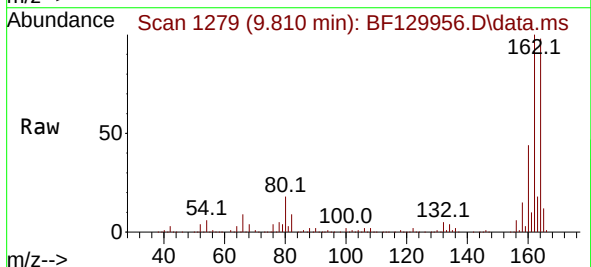
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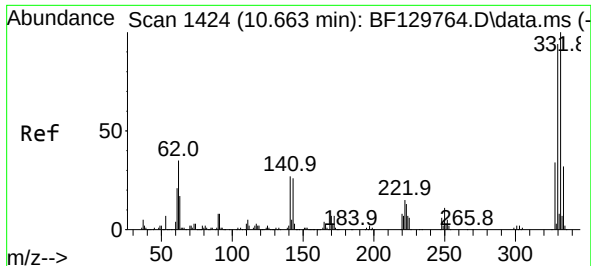
Tgt Ion:122 Resp: 142  
Ion Ratio Lower Upper  
122 100  
105 226.2 99.9 139.9#  
77 582.7 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 1279  
Delta R.T. -0.006 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

Tgt Ion:164 Resp: 309785  
Ion Ratio Lower Upper  
164 100  
162 101.9 82.0 123.0  
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 104.530 ng

RT: 10.610 min Scan# 1424

Delta R.T. -0.000 min

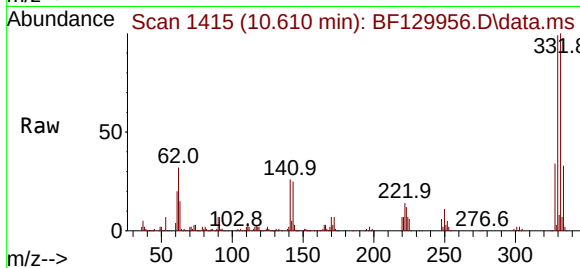
Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

Instrument :

BNA\_F

ClientSampleId :



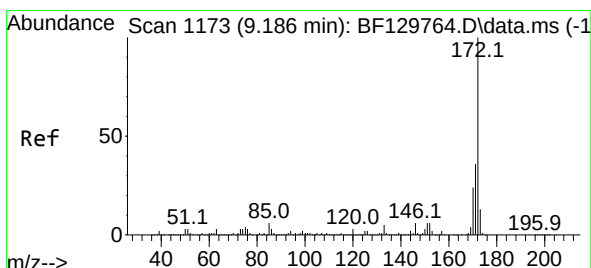
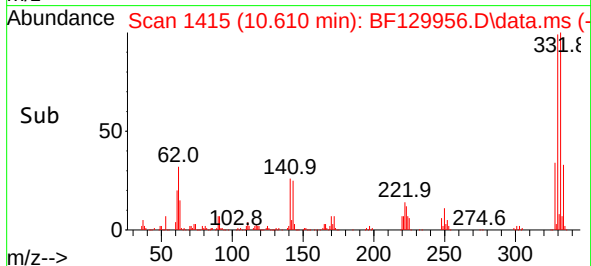
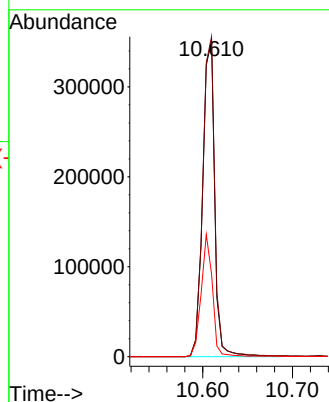
Tgt Ion:330 Resp: 325001

Ion Ratio Lower Upper

330 100

332 102.3 82.6 124.0

141 36.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 66.911 ng

RT: 9.128 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

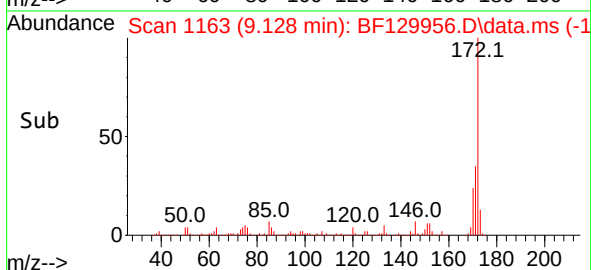
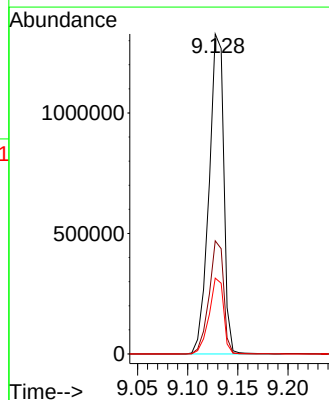
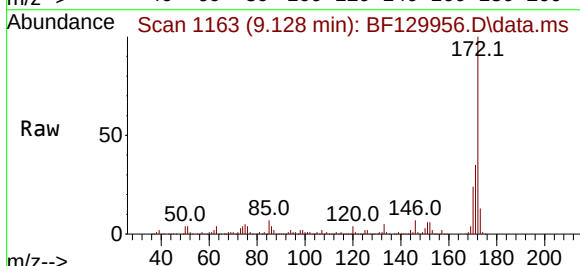
Tgt Ion:172 Resp: 1364749

Ion Ratio Lower Upper

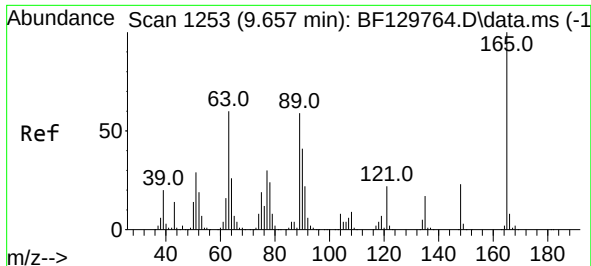
172 100

171 35.3 28.4 42.6

170 23.7 19.1 28.7







#51

2,6-Dinitrotoluene

Concen: 8.226 ng

RT: 9.810 min Scan# 1279

Delta R.T. 0.194 min

Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

Instrument :

BNA\_F

ClientSampleId :

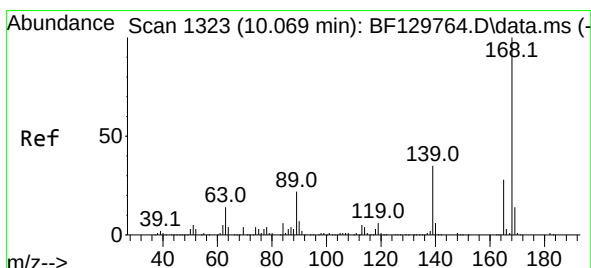
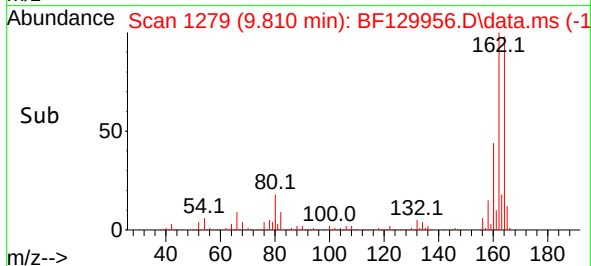
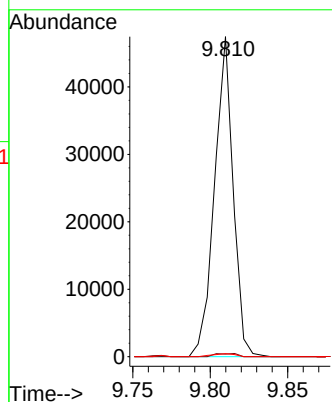
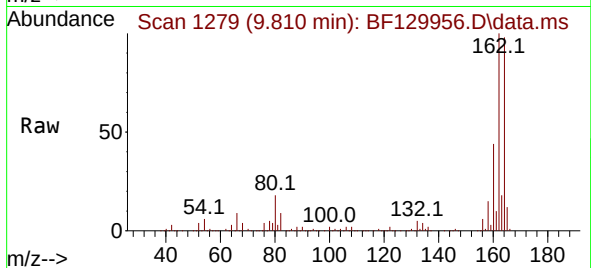
Tgt Ion:165 Resp: 39627

Ion Ratio Lower Upper

165 100

63 0.8 47.8 71.8#

89 1.0 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.337 ng

RT: 9.810 min Scan# 1279

Delta R.T. -0.212 min

Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

Tgt Ion:165 Resp: 39627

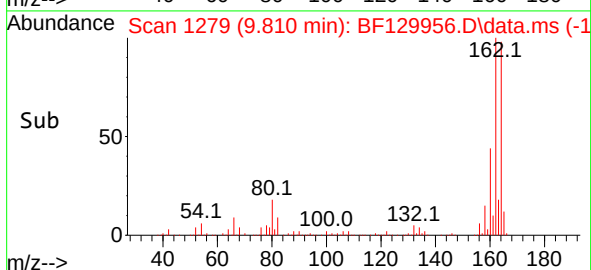
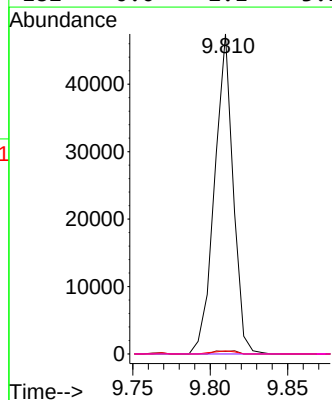
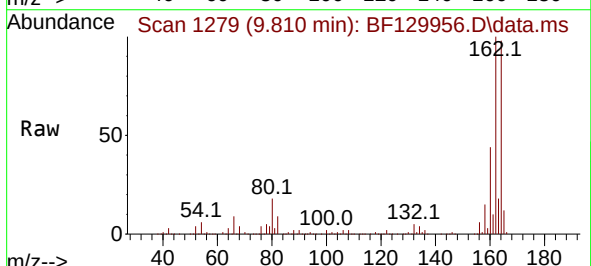
Ion Ratio Lower Upper

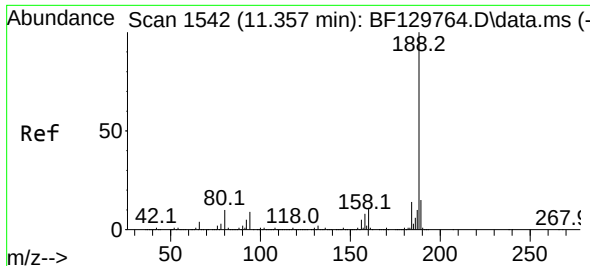
165 100

63 0.8 48.4 72.6#

89 1.0 62.3 93.5#

182 0.0 2.1 3.1#

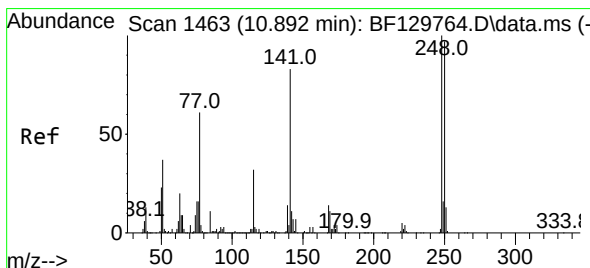
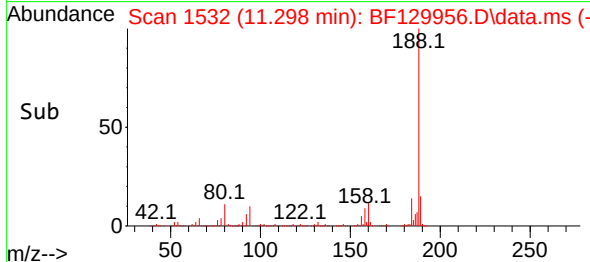
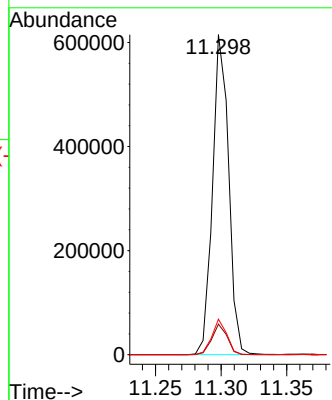
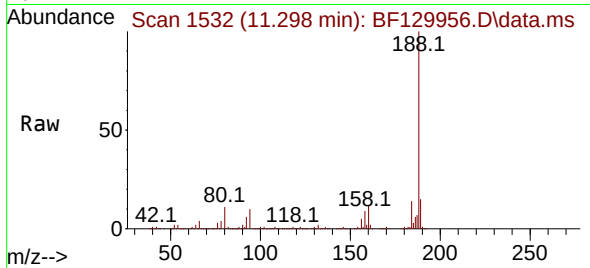




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

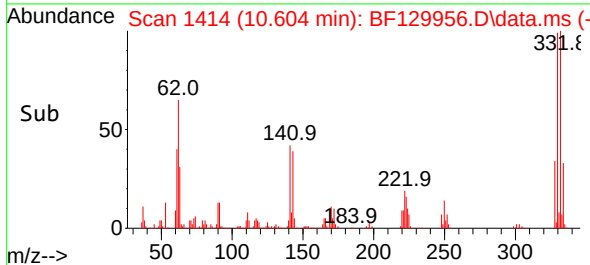
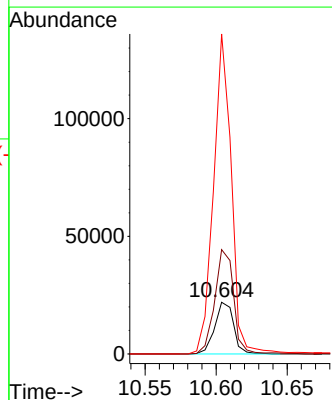
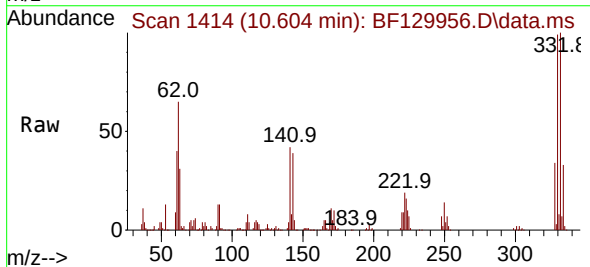
Instrument :  
BNA\_F  
ClientSampleId :

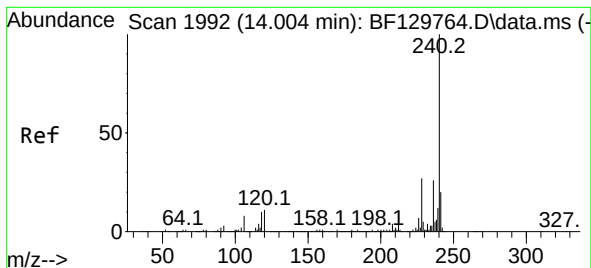
Tgt Ion:188 Resp: 525428  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.4 11.2  
80 11.1 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 3.309 ng  
RT: 10.604 min Scan# 1414  
Delta R.T. -0.241 min  
Lab File: BF129956.D  
Acq: 23 Aug 2022 16:35

Tgt Ion:248 Resp: 20362  
Ion Ratio Lower Upper  
248 100  
250 202.1 77.8 116.6#  
141 619.8 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

Instrument :

BNA\_F

ClientSampleId :

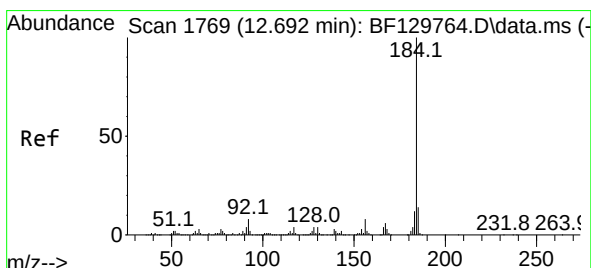
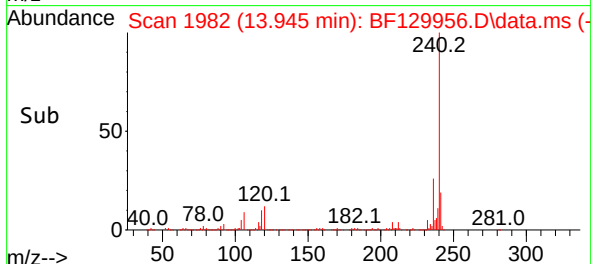
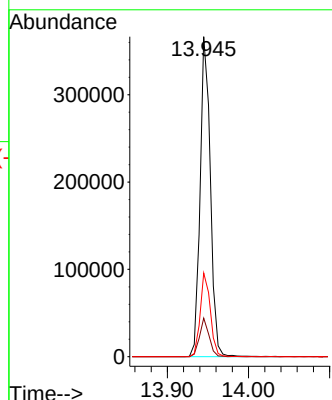
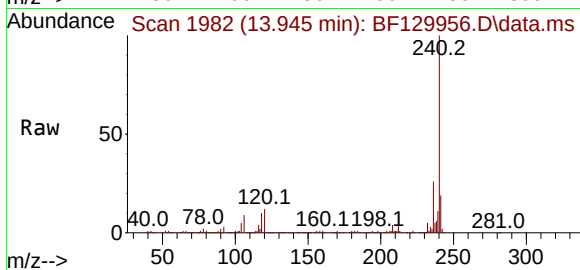
Tgt Ion:240 Resp: 321747

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

236 26.2 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.886 min Scan# 1802

Delta R.T. 0.241 min

Lab File: BF129956.D

Acq: 23 Aug 2022 16:35

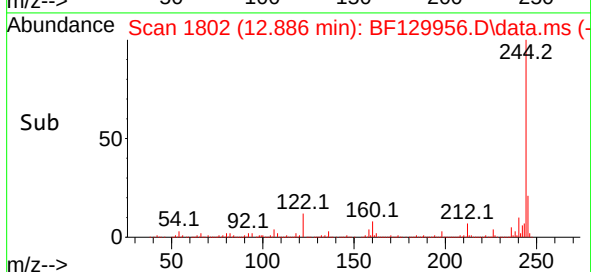
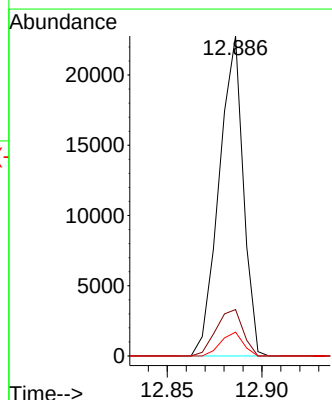
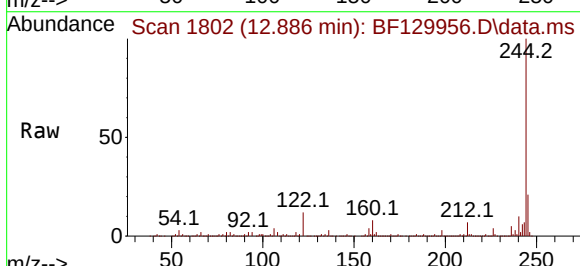
Tgt Ion:184 Resp: 20191

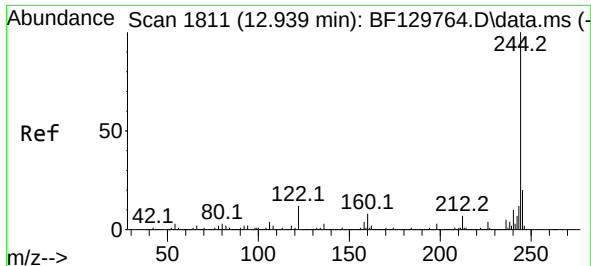
Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.2

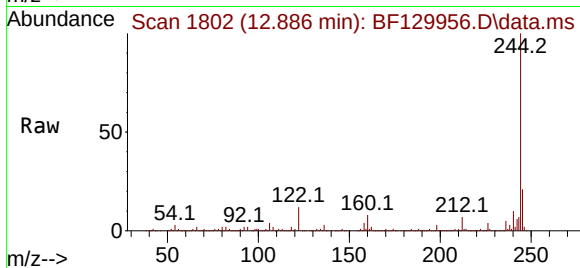
183 7.5 9.4 14.2#



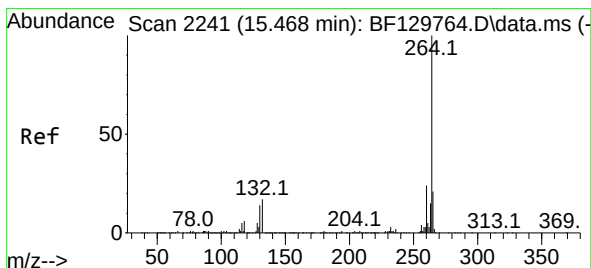
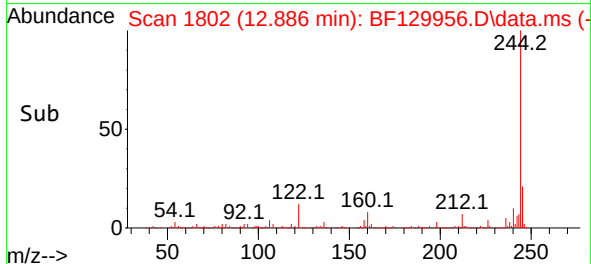
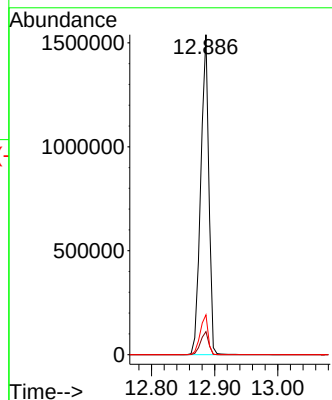


#79  
 Terphenyl-d14  
 Concen: 70.977 ng  
 RT: 12.886 min Scan# 1811  
 Delta R.T. -0.000 min  
 Lab File: BF129956.D  
 Acq: 23 Aug 2022 16:35

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1372443  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 12.5 9.9 14.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.398 min Scan# 2229  
 Delta R.T. -0.000 min  
 Lab File: BF129956.D  
 Acq: 23 Aug 2022 16:35

Tgt Ion:264 Resp: 227502  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.1 28.7  
 265 21.1 16.7 25.1

