

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082222\  
 Data File : BF129940.D  
 Acq On : 22 Aug 2022 14:58  
 Operator : CG\JU  
 Sample : N4142-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTH

Quant Time: Aug 23 04:47:01 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

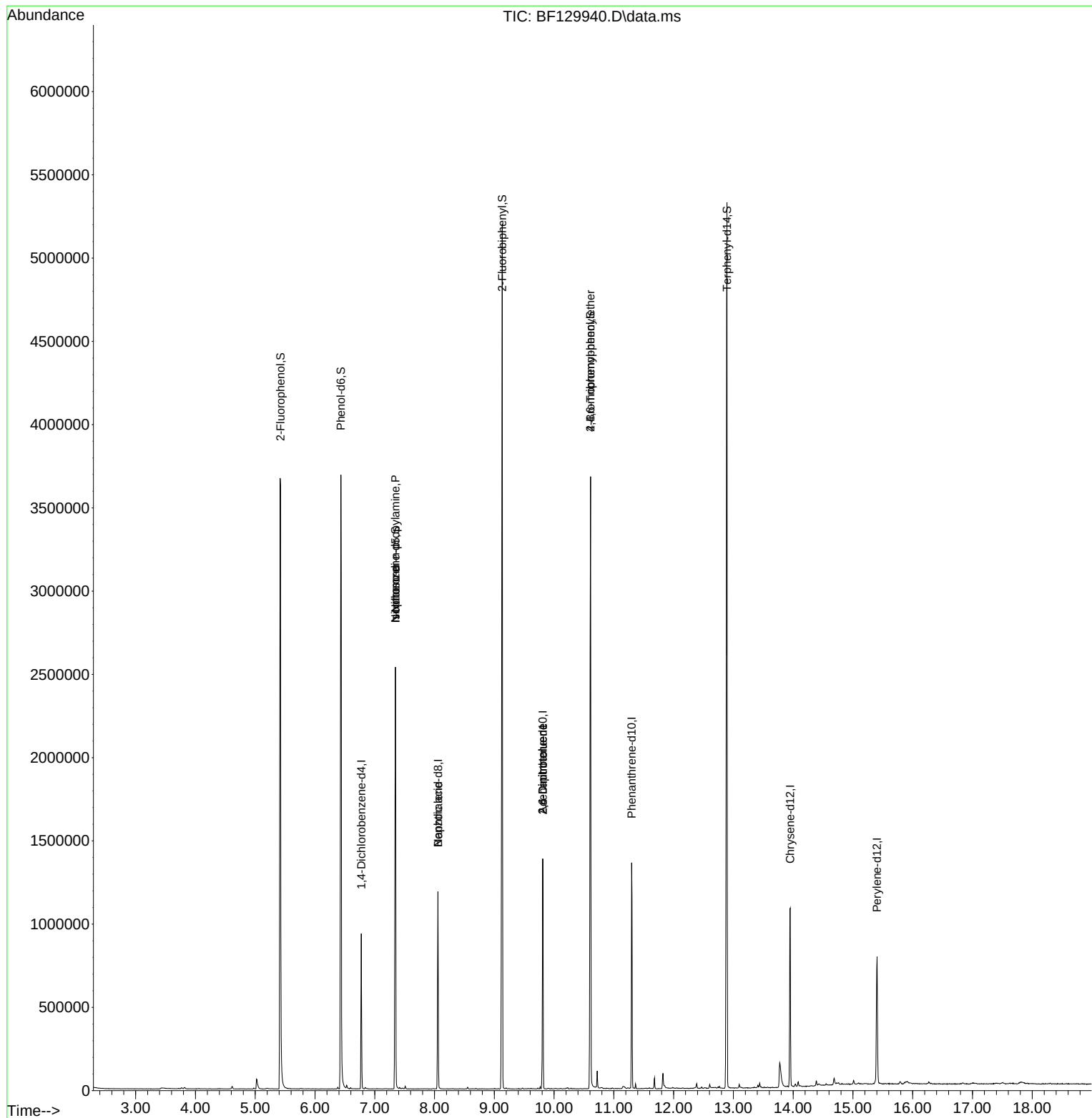
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.775  | 152  | 120777   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 501737   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.810  | 164  | 269927   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.298 | 188  | 465597   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 379052   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 338079   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1072933  | 147.086   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.434  | 99   | 1382767  | 151.372   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 885932   | 94.523    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 415929   | 153.529   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 1596579  | 89.835    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.892 | 244  | 1887891  | 82.873    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.434  | 77   | 2344     | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 119620   | 20.717    | ng     | # 81     |
| 25) Isophorone                | 7.345  | 82   | 885923   | 54.918    | ng     | # 65     |
| 32) Benzoic acid              | 8.057  | 122  | 134      | 2.208     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 35111    | 8.365     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 35111    | 6.444     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 25298    | 4.639     | ng     | # 1      |
| 77) Benzidine                 | 12.627 | 184  | 863      | Below Cal | #      | 67       |
| -----                         |        |      |          |           |        |          |

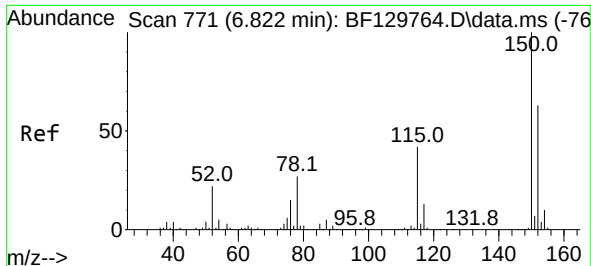
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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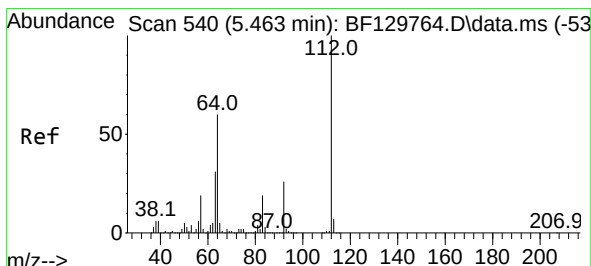
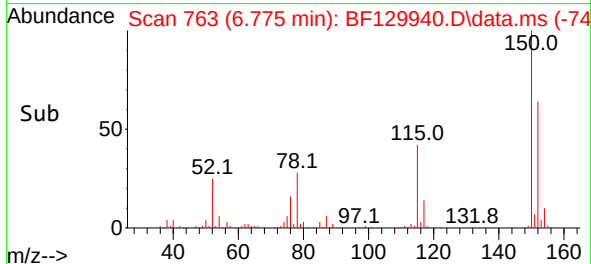
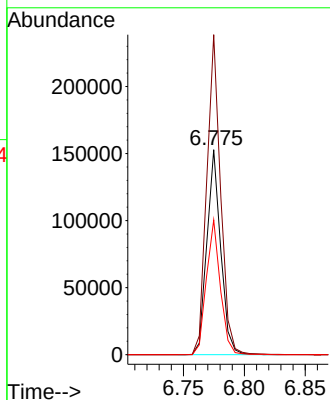
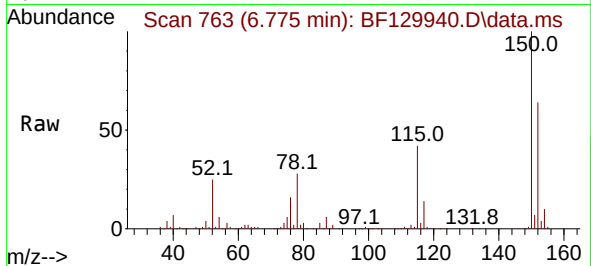




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.775 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: BF129940.D  
 Acq: 22 Aug 2022 14:58

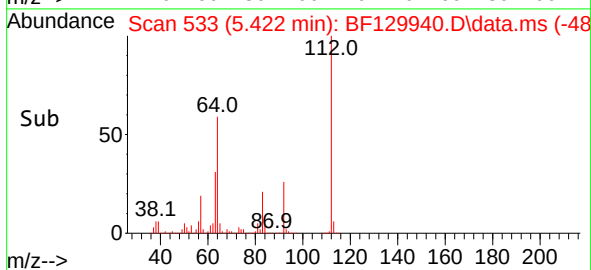
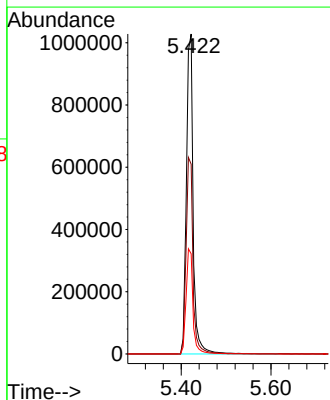
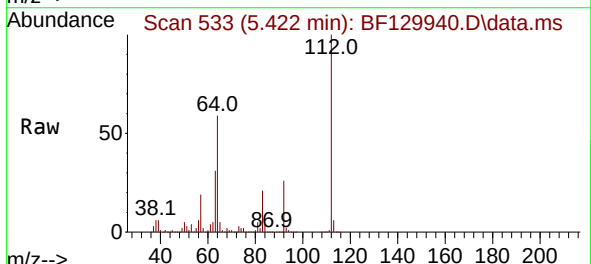
Instrument :  
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 ClientSampleId :  
 UST-NORTH

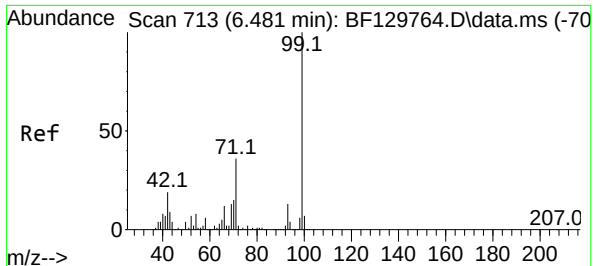
Tgt Ion:152 Resp: 120777  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 126.9 190.3  
 115 65.7 53.4 80.0



#5  
 2-Fluorophenol  
 Concen: 147.086 ng  
 RT: 5.422 min Scan# 533  
 Delta R.T. 0.012 min  
 Lab File: BF129940.D  
 Acq: 22 Aug 2022 14:58

Tgt Ion:112 Resp: 1072933  
 Ion Ratio Lower Upper  
 112 100  
 64 59.3 47.6 71.4  
 63 31.3 24.6 37.0



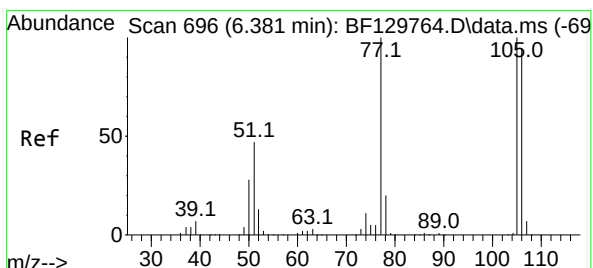
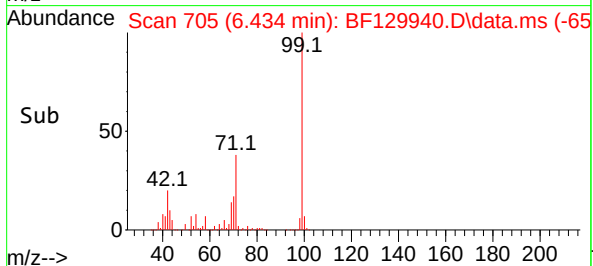
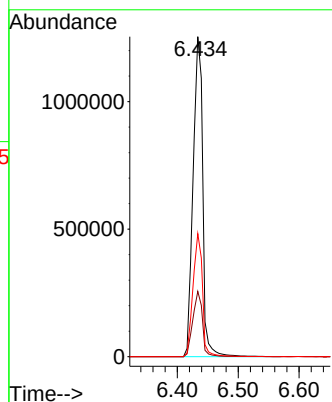
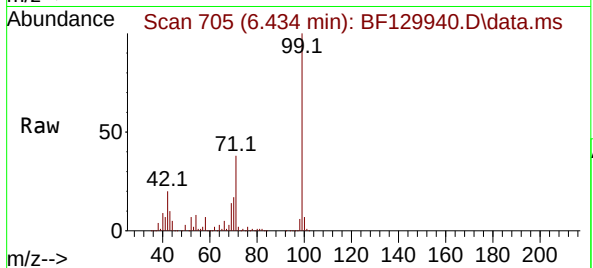


#7  
Phenol-d6  
Concen: 151.372 ng  
RT: 6.434 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTH

Tgt Ion: 99 Resp: 1382767

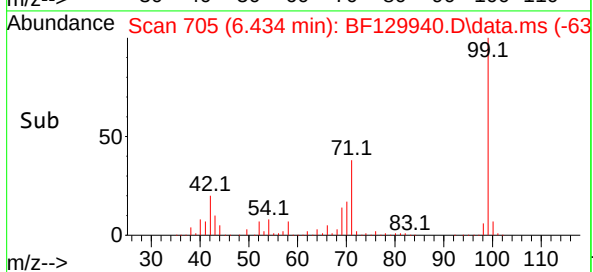
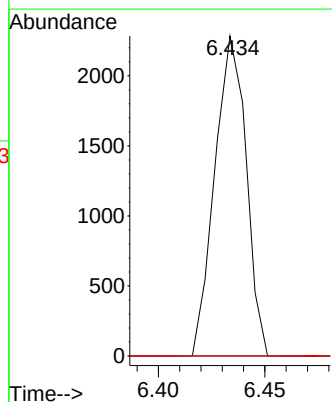
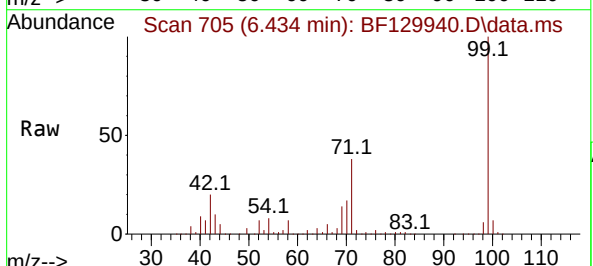
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.4  | 15.0  | 22.4  |
| 71  | 38.4  | 28.8  | 43.2  |

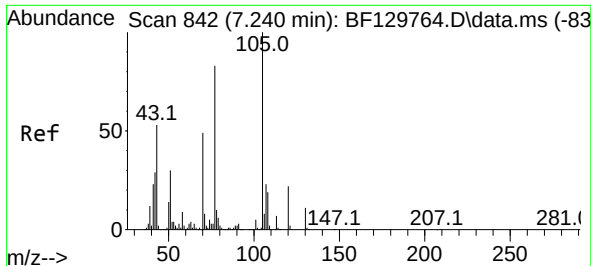


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.434 min Scan# 705  
Delta R.T. 0.100 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion: 77 Resp: 2344

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 80.3  | 120.3# |
| 106 | 0.0   | 74.3  | 114.3# |

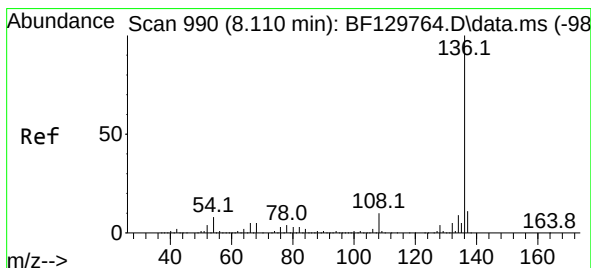
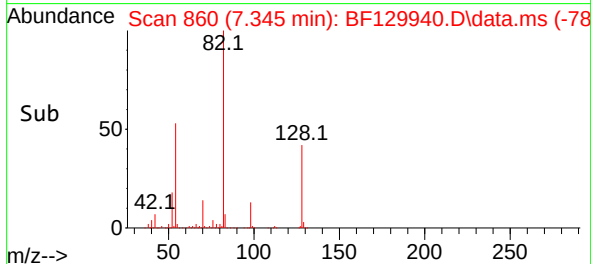
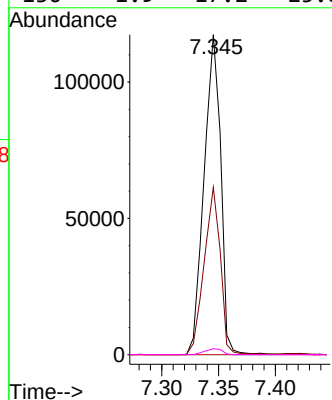
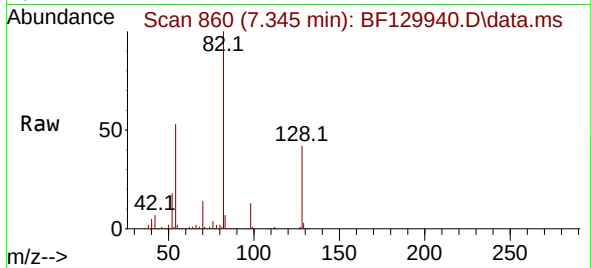




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.717 ng  
RT: 7.345 min Scan# 80  
Delta R.T. 0.147 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

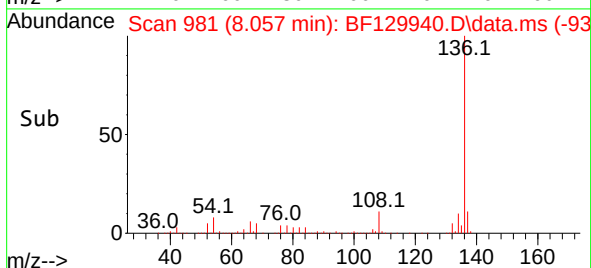
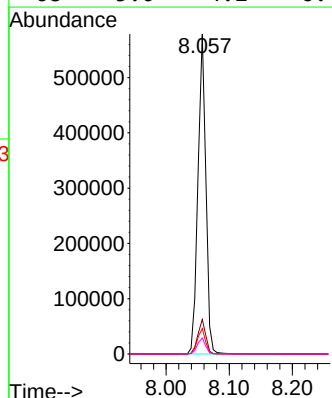
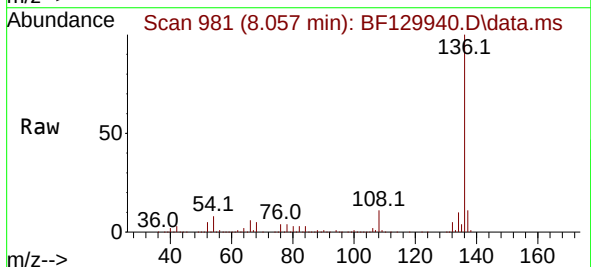
Instrument :  
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ClientSampleId :  
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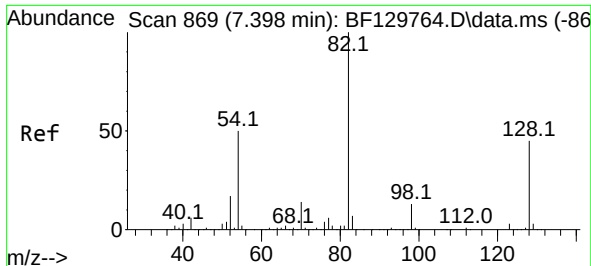
Tgt Ion: 70 Resp: 119620  
Ion Ratio Lower Upper  
70 100  
42 52.3 47.6 71.4  
101 0.0 8.1 12.1#  
130 1.9 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion: 136 Resp: 501737  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 8.0 6.2 9.2  
68 5.0 4.2 6.4

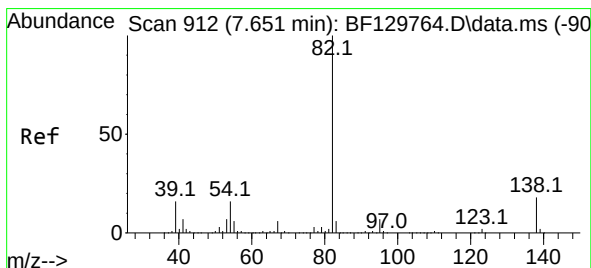
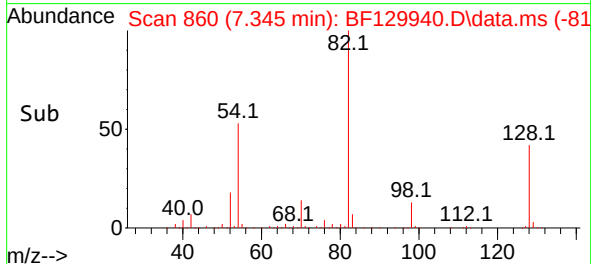
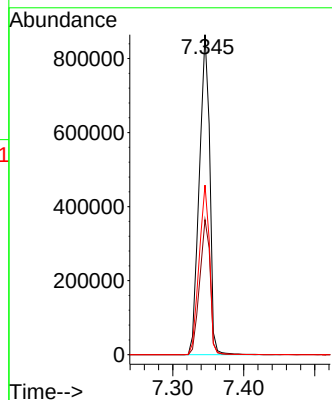
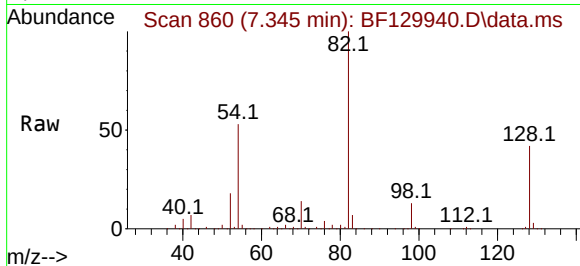




#23  
Nitrobenzene-d5  
Concen: 94.523 ng  
RT: 7.345 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

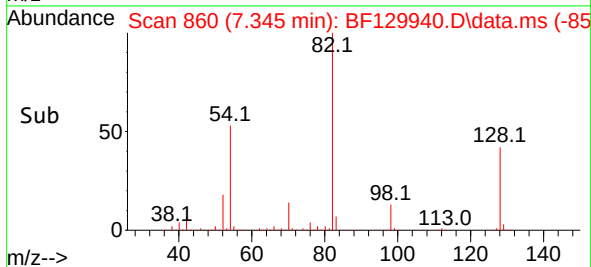
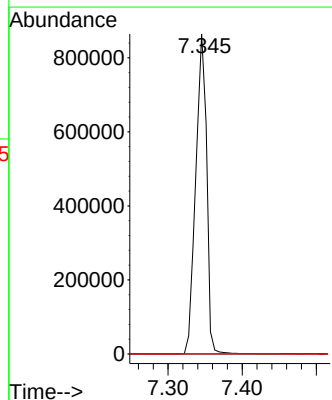
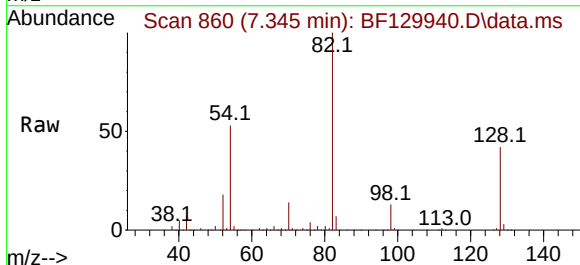
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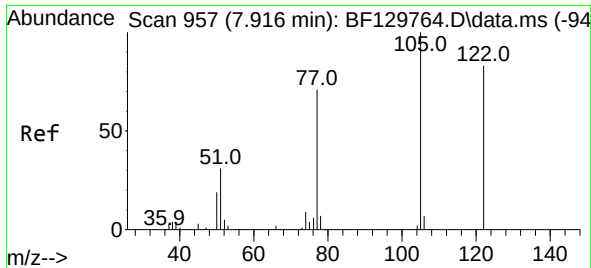
Tgt Ion: 82 Resp: 885932  
Ion Ratio Lower Upper  
82 100  
128 42.2 36.1 54.1  
54 53.0 40.0 60.0



#25  
Isophorone  
Concen: 54.918 ng  
RT: 7.345 min Scan# 860  
Delta R.T. -0.259 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion: 82 Resp: 885923  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#

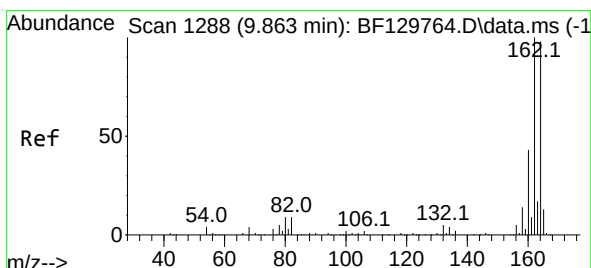
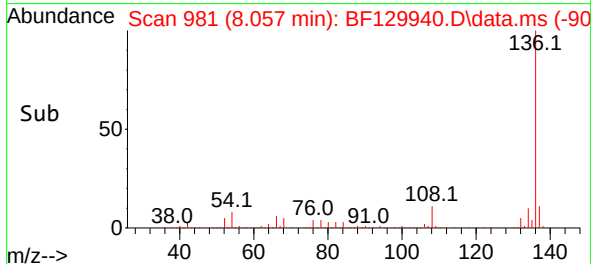
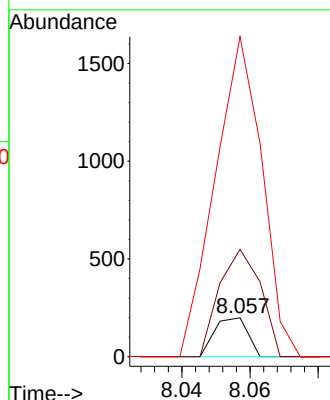
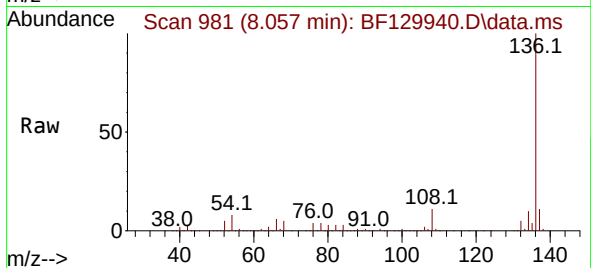




#32  
Benzoic acid  
Concen: 2.208 ng  
RT: 8.057 min Scan# 91  
Delta R.T. 0.177 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

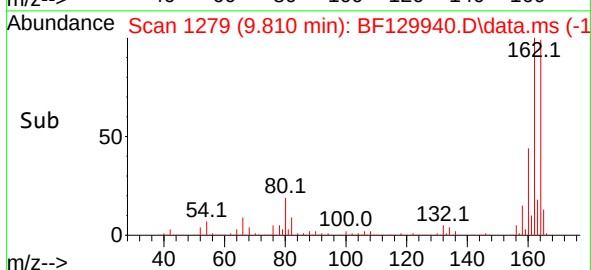
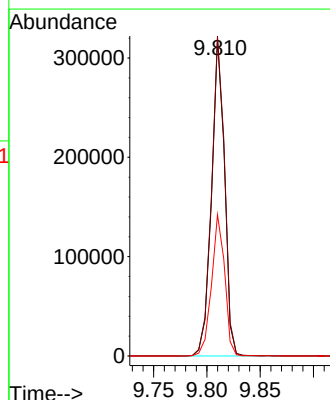
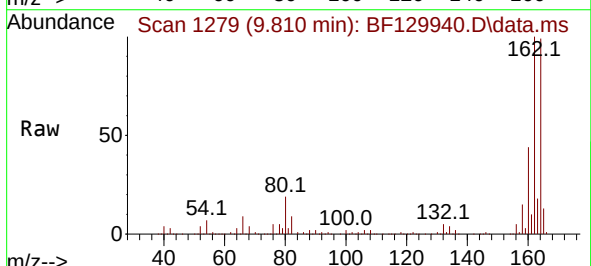
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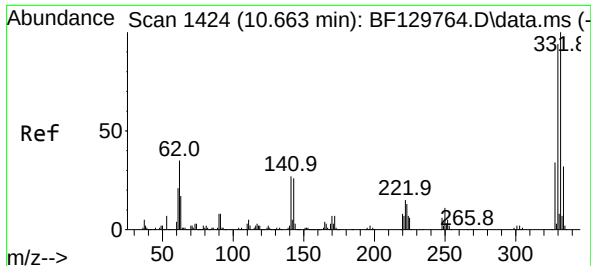
Tgt Ion:122 Resp: 134  
Ion Ratio Lower Upper  
122 100  
105 275.9 99.9 139.9#  
77 822.6 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 1279  
Delta R.T. -0.006 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion:164 Resp: 269927  
Ion Ratio Lower Upper  
164 100  
162 100.7 82.0 123.0  
160 44.5 35.4 53.0

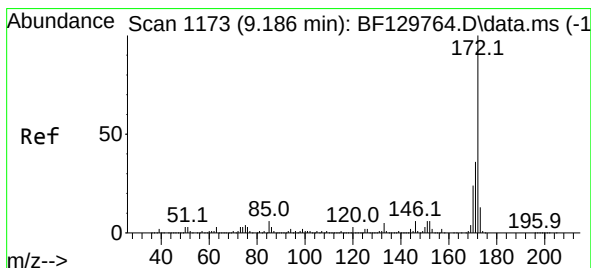
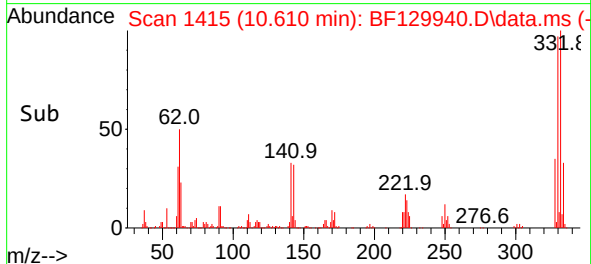
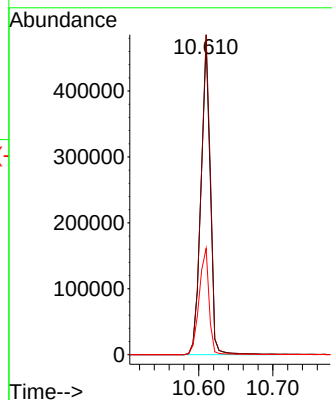
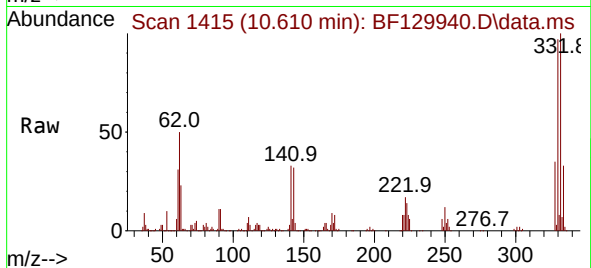




#42  
2,4,6-Tribromophenol  
Concen: 153.529 ng  
RT: 10.610 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

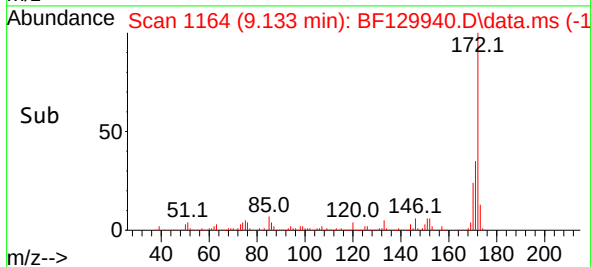
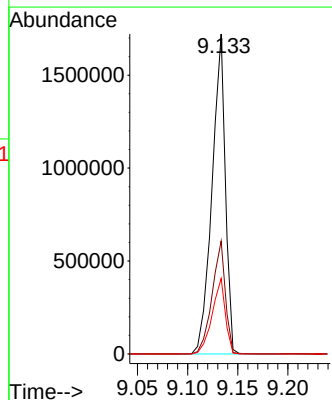
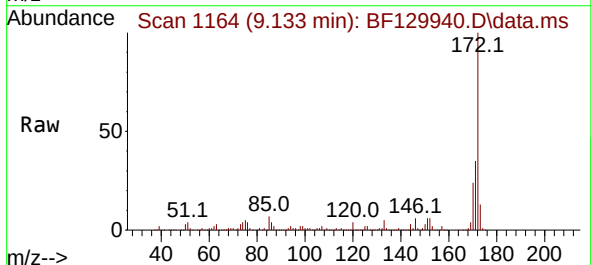
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTH

Tgt Ion:330 Resp: 415929  
Ion Ratio Lower Upper  
330 100  
332 102.6 82.6 124.0  
141 36.1 27.6 41.4

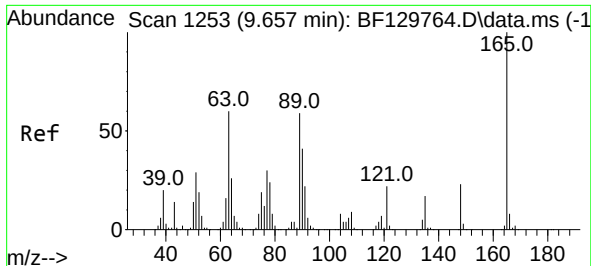


#45  
2-Fluorobiphenyl  
Concen: 89.835 ng  
RT: 9.133 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion:172 Resp: 1596579  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.6 19.1 28.7







#51

2,6-Dinitrotoluene

Concen: 8.365 ng

RT: 9.810 min Scan# 1279

Delta R.T. 0.194 min

Lab File: BF129940.D

Acq: 22 Aug 2022 14:58

Instrument :

BNA\_F

ClientSampleId :

UST-NORTH

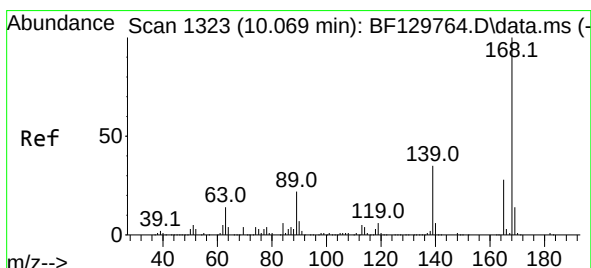
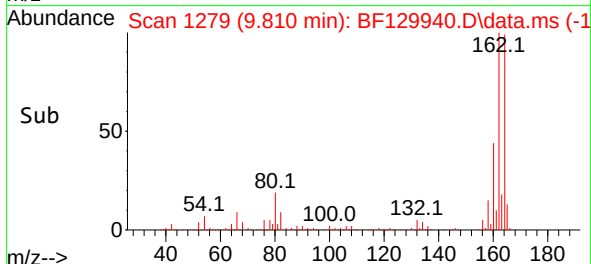
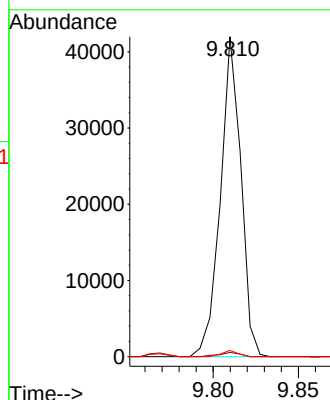
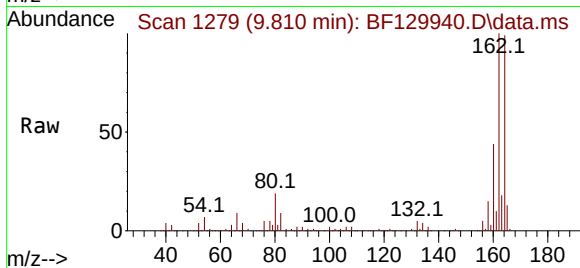
Tgt Ion:165 Resp: 35111

Ion Ratio Lower Upper

165 100

63 1.4 47.8 71.8#

89 2.0 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.444 ng

RT: 9.810 min Scan# 1279

Delta R.T. -0.212 min

Lab File: BF129940.D

Acq: 22 Aug 2022 14:58

Tgt Ion:165 Resp: 35111

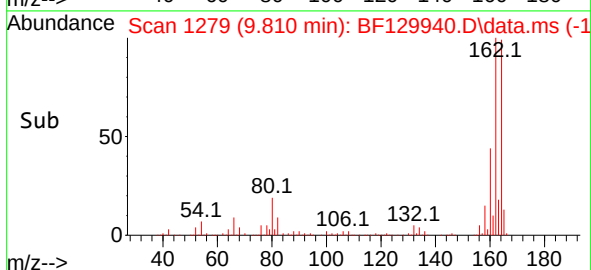
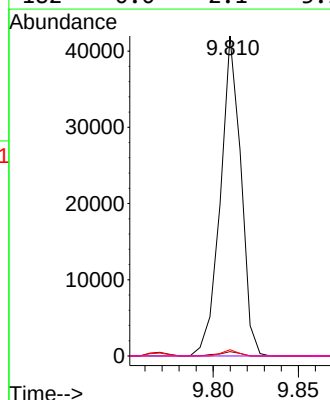
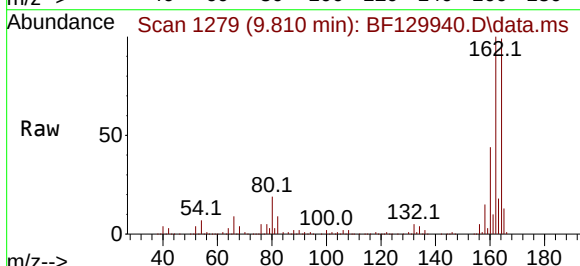
Ion Ratio Lower Upper

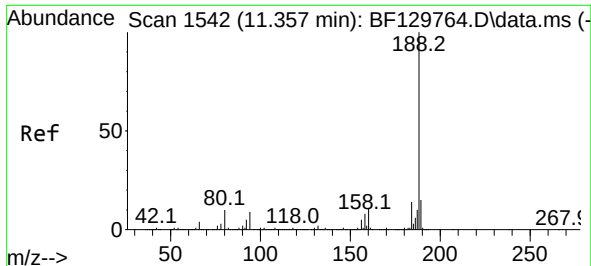
165 100

63 1.4 48.4 72.6#

89 2.0 62.3 93.5#

182 0.0 2.1 3.1#

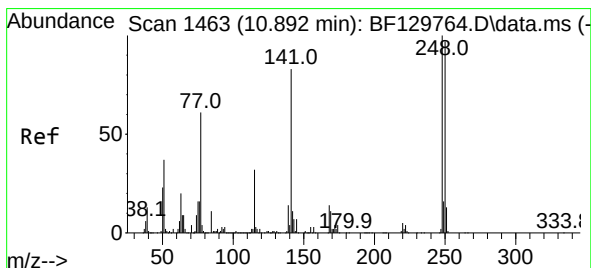
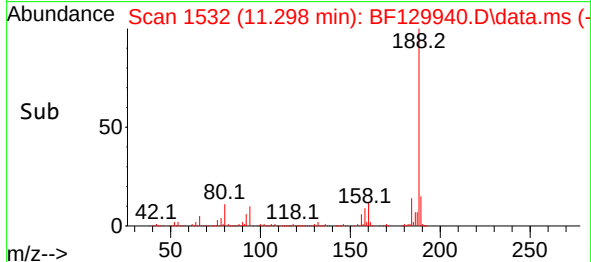
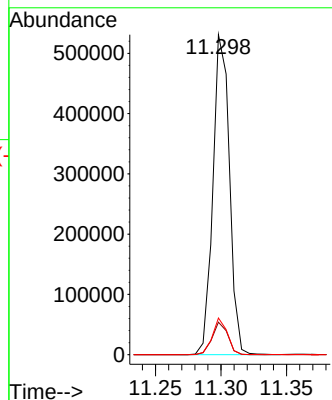
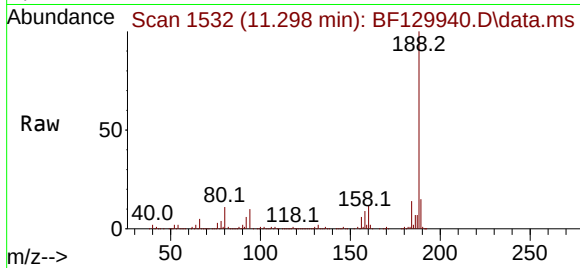




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

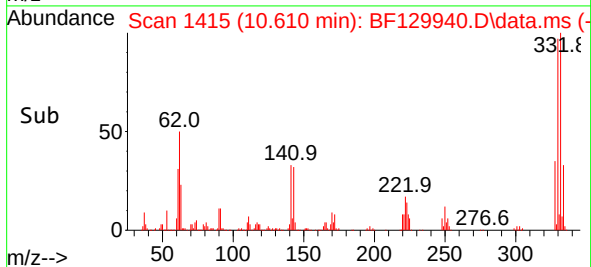
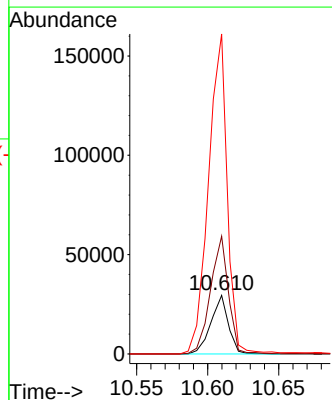
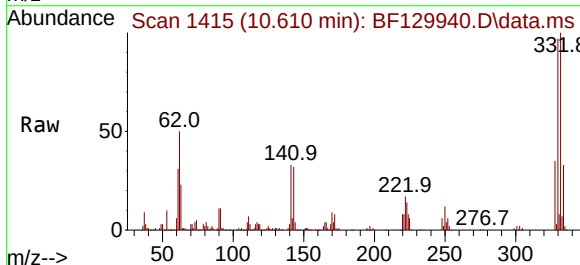
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTH

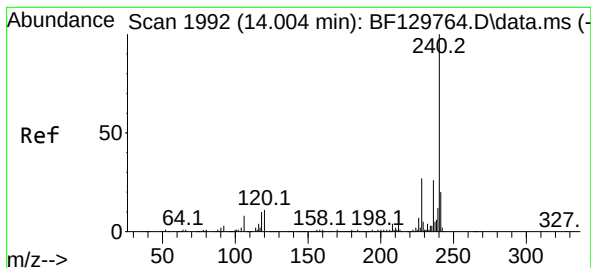
Tgt Ion:188 Resp: 465597  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.4 11.2  
80 11.4 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.639 ng  
RT: 10.610 min Scan# 1415  
Delta R.T. -0.235 min  
Lab File: BF129940.D  
Acq: 22 Aug 2022 14:58

Tgt Ion:248 Resp: 25298  
Ion Ratio Lower Upper  
248 100  
250 200.9 77.8 116.6#  
141 546.3 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF129940.D

Acq: 22 Aug 2022 14:58

Instrument :

BNA\_F

ClientSampleId :

UST-NORTH

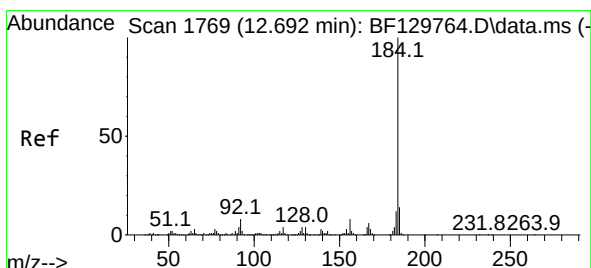
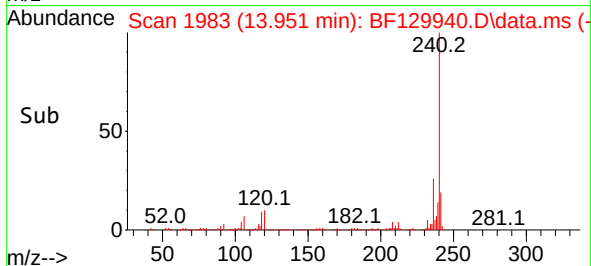
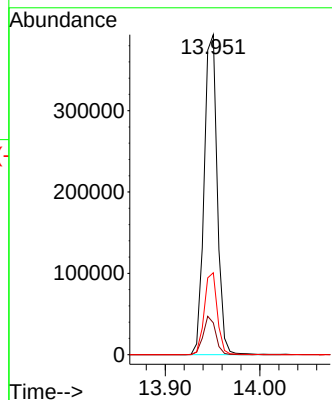
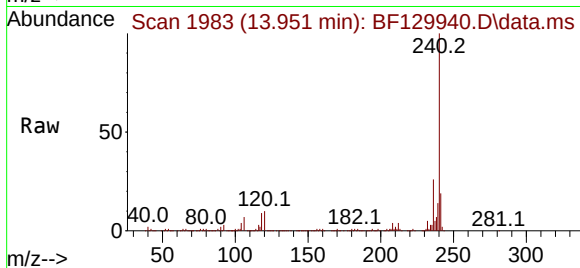
Tgt Ion:240 Resp: 379052

Ion Ratio Lower Upper

240 100

120 9.9 9.2 13.8

236 25.6 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.627 min Scan# 1758

Delta R.T. -0.018 min

Lab File: BF129940.D

Acq: 22 Aug 2022 14:58

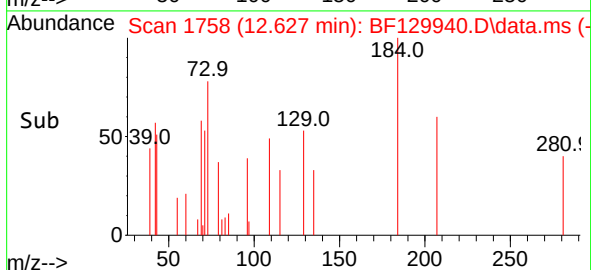
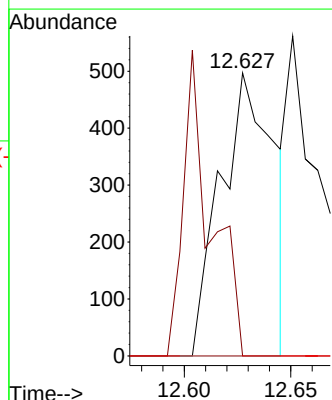
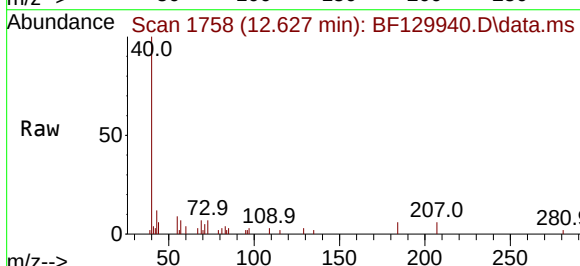
Tgt Ion:184 Resp: 863

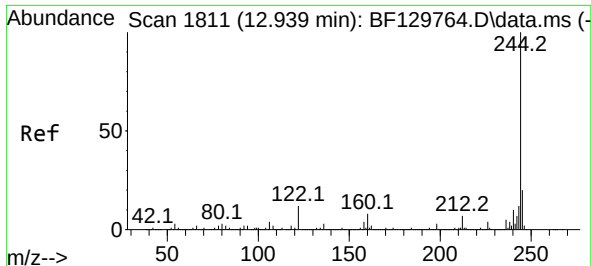
Ion Ratio Lower Upper

184 100

185 0.0 11.4 17.2#

183 0.0 9.4 14.2#

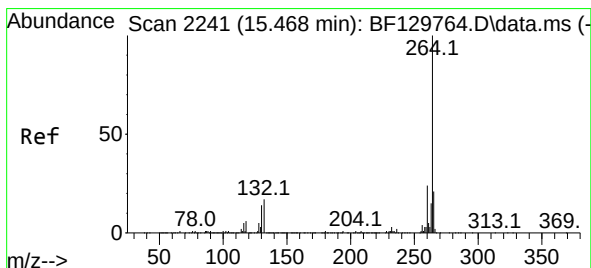
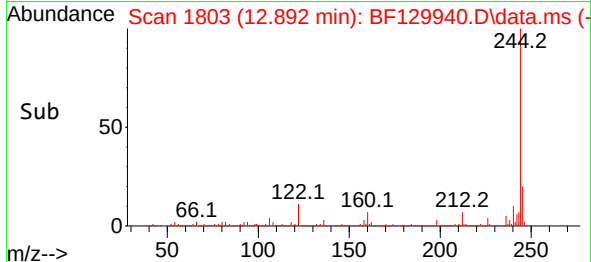
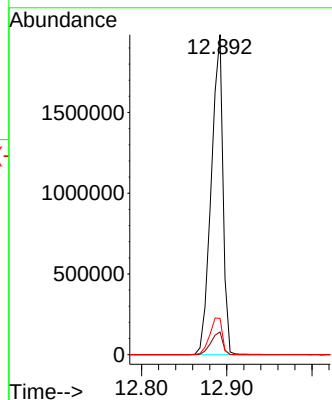
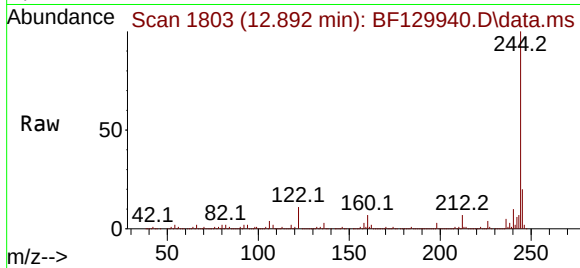




#79  
 Terphenyl-d14  
 Concen: 82.873 ng  
 RT: 12.892 min Scan# 1803  
 Delta R.T. 0.006 min  
 Lab File: BF129940.D  
 Acq: 22 Aug 2022 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTH

Tgt Ion:244 Resp: 1887891  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 11.4 9.9 14.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.404 min Scan# 2230  
 Delta R.T. 0.006 min  
 Lab File: BF129940.D  
 Acq: 22 Aug 2022 14:58

Tgt Ion:264 Resp: 338079  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.1 28.7  
 265 22.4 16.7 25.1

