

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021723\  
 Data File : BF132464.D  
 Acq On : 17 Feb 2023 22:48  
 Operator : CG\JU  
 Sample : 01595-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-322-3

Quant Time: Feb 18 01:02:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 18 00:58:25 2023  
 Response via : Initial Calibration

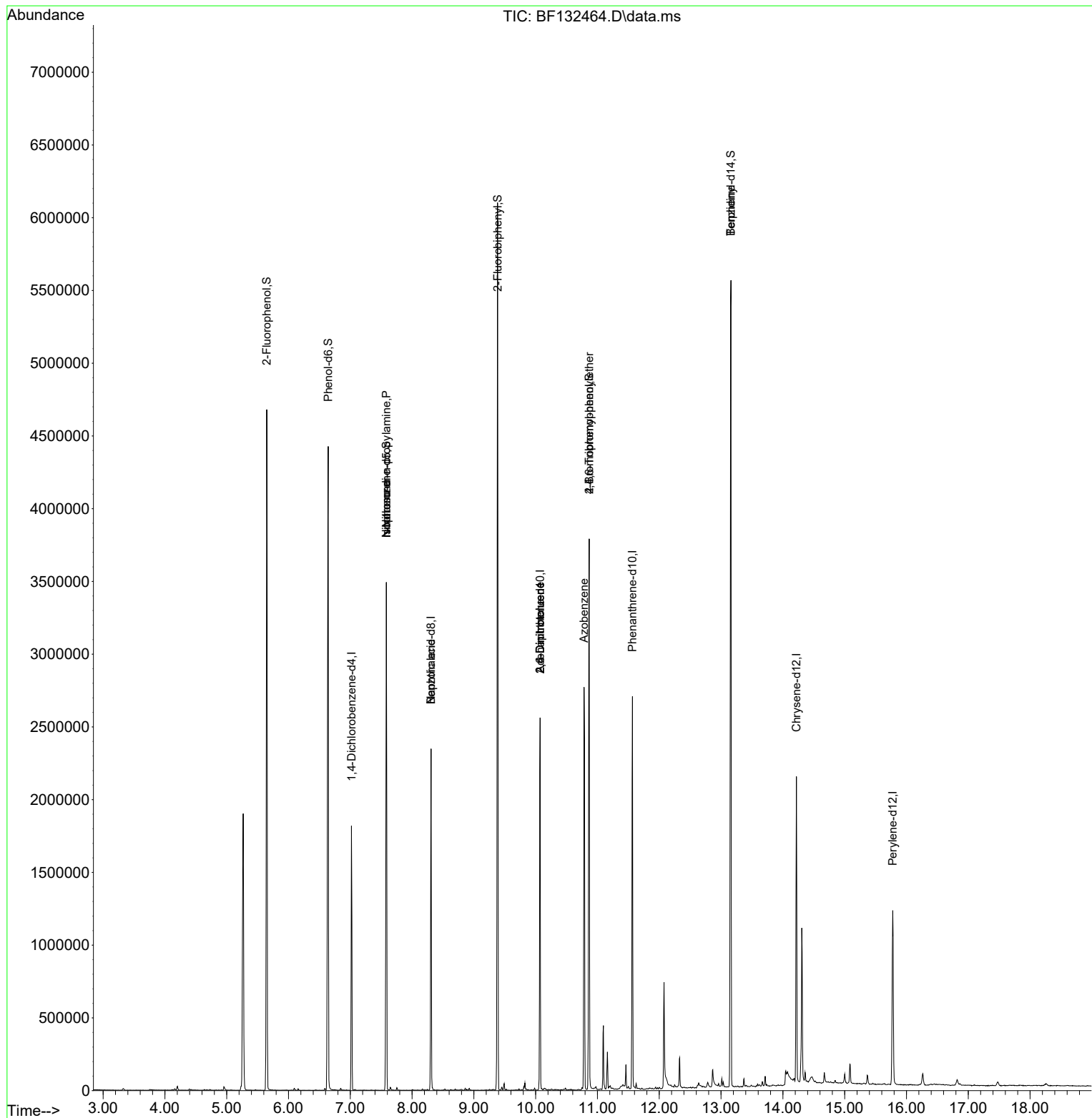
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.019  | 152  | 247547   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.307  | 136  | 911722   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.072 | 164  | 495771   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.566 | 188  | 948687   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.219 | 240  | 662246   | 20.000 | ng    | #-0.01   |
| 86) Perylene-d12              | 15.777 | 264  | 555986   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.648  | 112  | 1333099  | 86.291 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.643  | 99   | 1737205  | 86.117 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.584  | 82   | 1127210  | 59.406 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.866 | 330  | 444855   | 89.933 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.384  | 172  | 1835409  | 57.172 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.160 | 244  | 2119357  | 58.283 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.584  | 70   | 151593   | 12.258 | ng    | # 78     |
| 25) Isophorone                | 7.584  | 82   | 1124621  | 30.163 | ng    | # 68     |
| 32) Benzoic acid              | 8.307  | 122  | 266      | 7.171  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 10.072 | 165  | 65043    | 8.192  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 10.072 | 165  | 65043    | 6.223  | ng    | # 20     |
| 63) Azobenzene                | 10.783 | 77   | 538035   | 13.549 | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.866 | 248  | 30364    | 2.920  | ng    | # 1      |
| 77) Benzidine                 | 13.160 | 184  | 31815    | 2.256  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

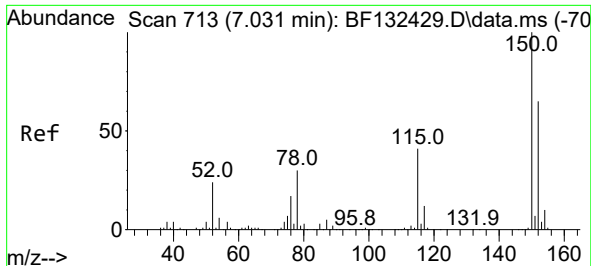
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021723\  
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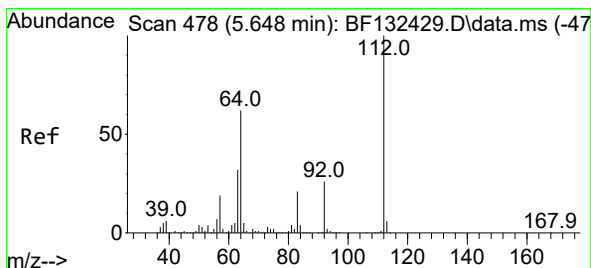
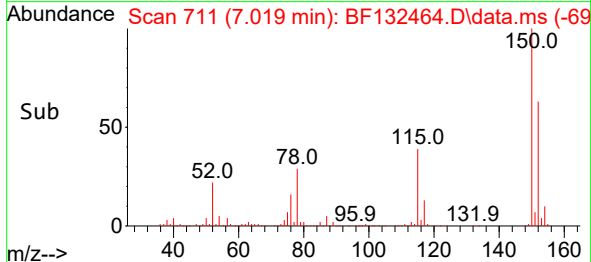
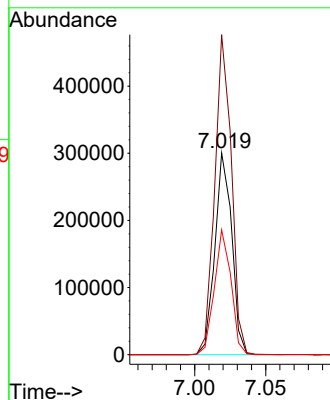
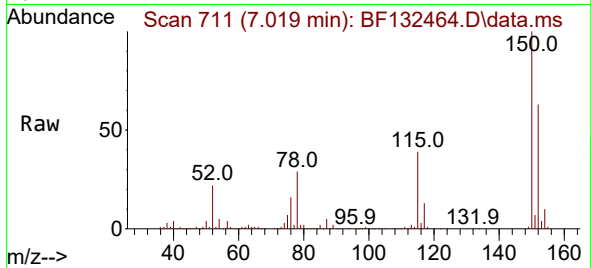




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.019 min Scan# 713  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

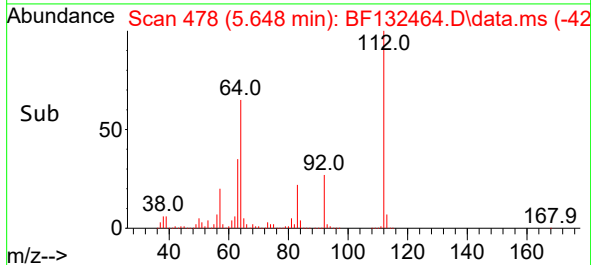
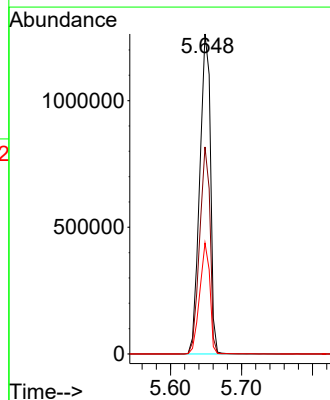
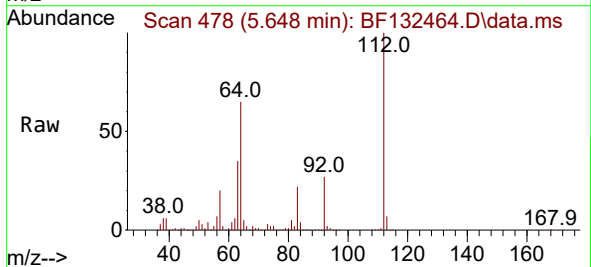
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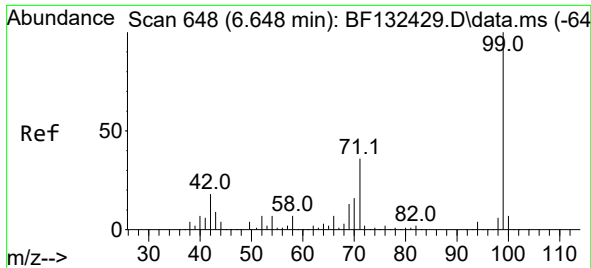
Tgt Ion:152 Resp: 247547  
Ion Ratio Lower Upper  
152 100  
150 158.6 123.8 185.8  
115 61.9 50.4 75.6



#5  
2-Fluorophenol  
Concen: 86.291 ng  
RT: 5.648 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion:112 Resp: 1333099  
Ion Ratio Lower Upper  
112 100  
64 64.7 49.7 74.5  
63 34.7 25.8 38.8

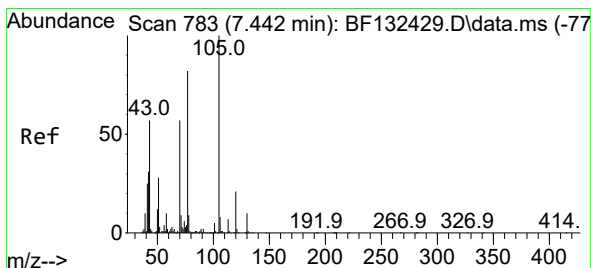
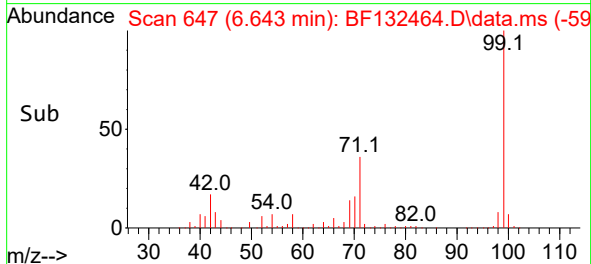
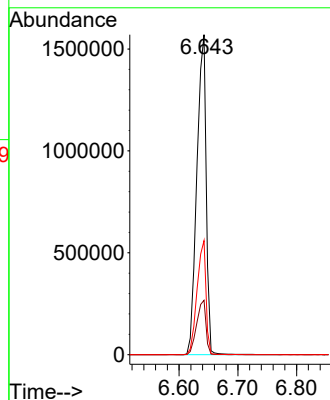
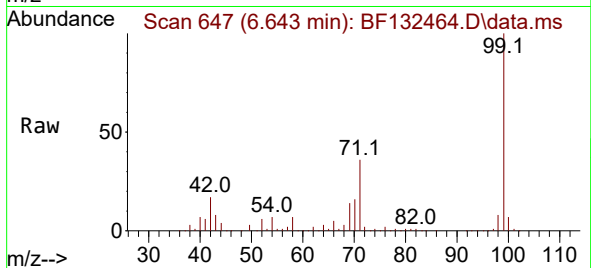




#7  
Phenol-d6  
Concen: 86.117 ng  
RT: 6.643 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

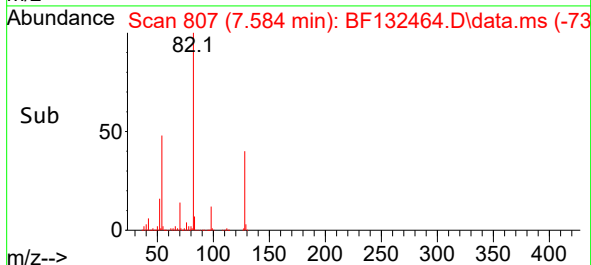
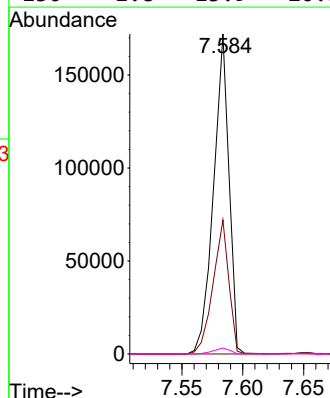
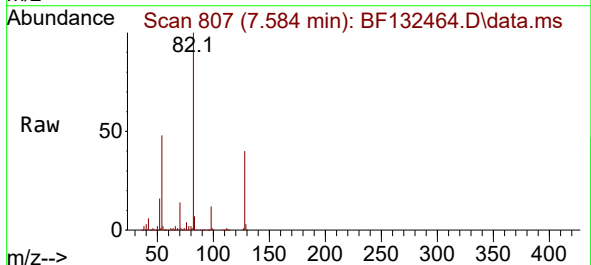
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

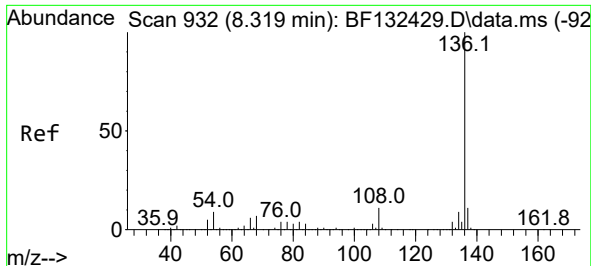
Tgt Ion: 99 Resp: 1737205  
Ion Ratio Lower Upper  
99 100  
42 17.0 14.6 21.8  
71 35.7 28.7 43.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.258 ng  
RT: 7.584 min Scan# 807  
Delta R.T. 0.147 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion: 70 Resp: 151593  
Ion Ratio Lower Upper  
70 100  
42 41.9 43.5 65.3#  
101 0.0 7.3 10.9#  
130 1.8 13.9 20.9#

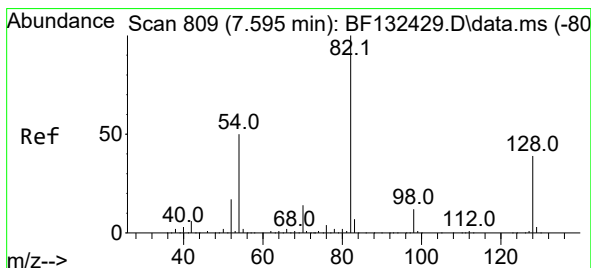
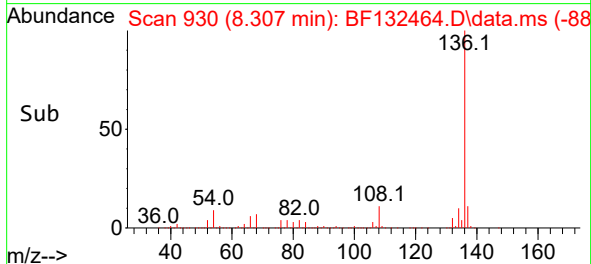
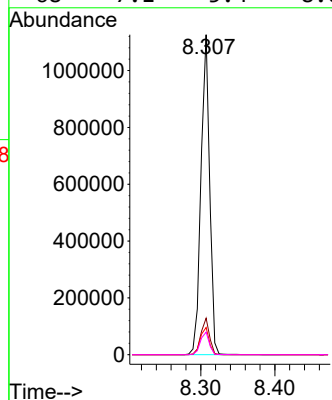
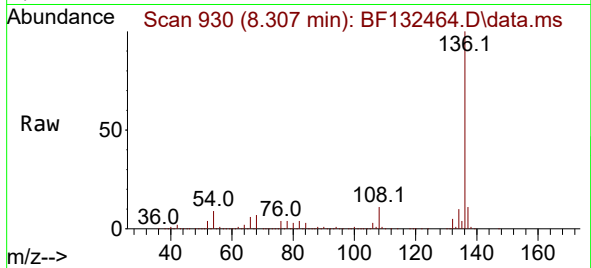




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.307 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

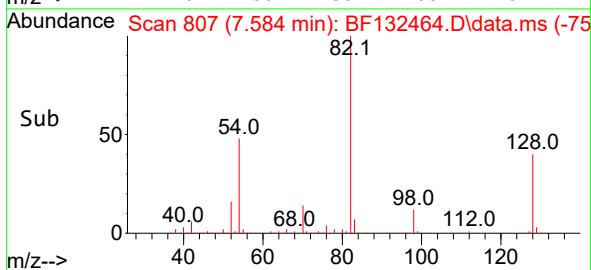
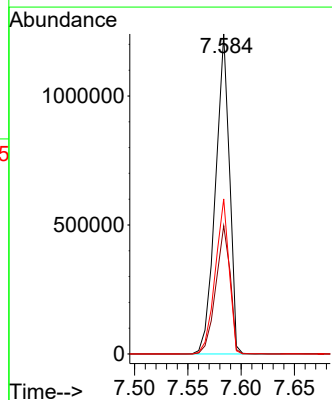
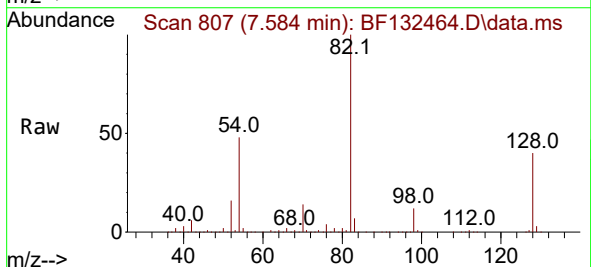
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

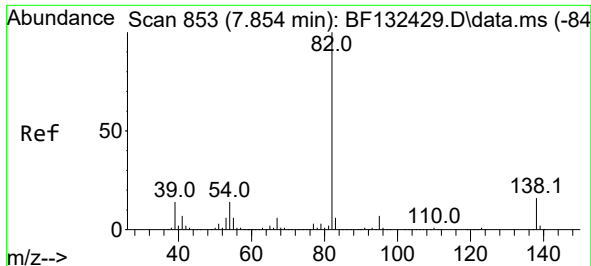
Tgt Ion:136 Resp: 911722  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 8.5 6.9 10.3  
68 7.1 5.4 8.0



#23  
Nitrobenzene-d5  
Concen: 59.406 ng  
RT: 7.584 min Scan# 807  
Delta R.T. -0.012 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion: 82 Resp: 1127210  
Ion Ratio Lower Upper  
82 100  
128 40.0 30.8 46.2  
54 48.5 40.2 60.4

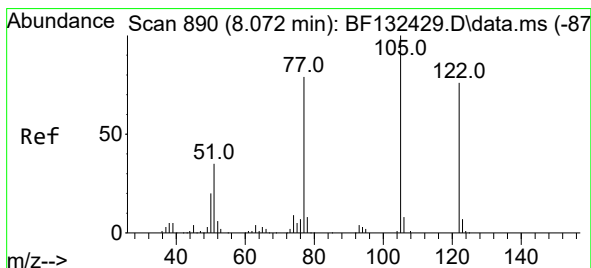
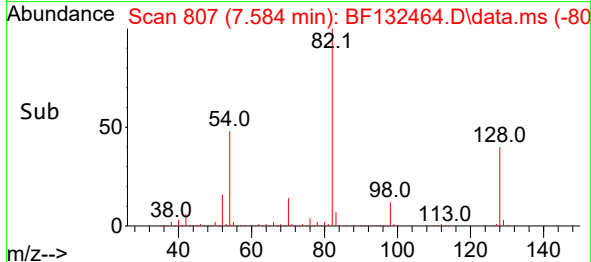
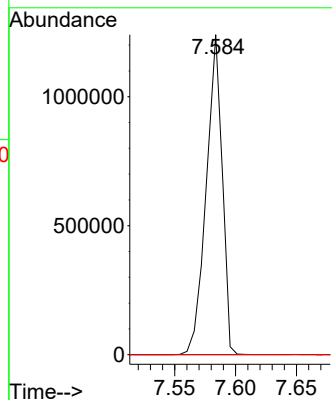
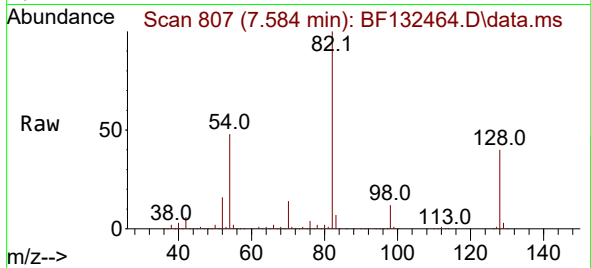




#25  
Isophorone  
Concen: 30.163 ng  
RT: 7.584 min Scan# 80  
Delta R.T. -0.265 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

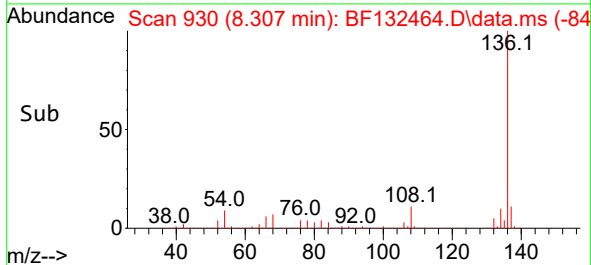
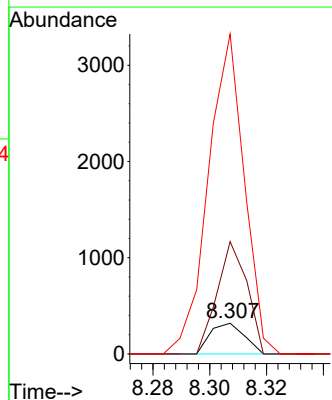
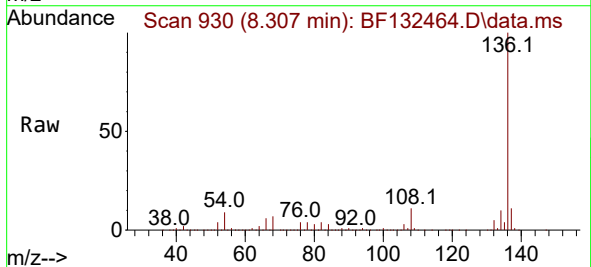
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

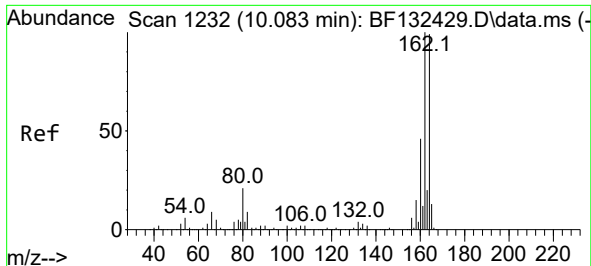
Tgt Ion: 82 Resp: 1124621  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 12.7 19.1#



#32  
Benzoic acid  
Concen: 7.171 ng  
RT: 8.307 min Scan# 930  
Delta R.T. 0.230 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion:122 Resp: 266  
Ion Ratio Lower Upper  
122 100  
105 365.8 109.7 149.7#  
77 1042.3 83.8 123.8#

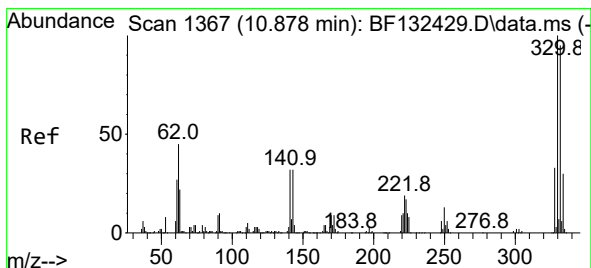
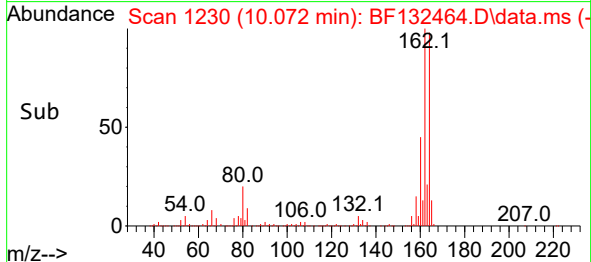
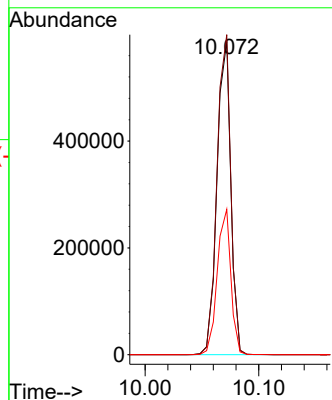
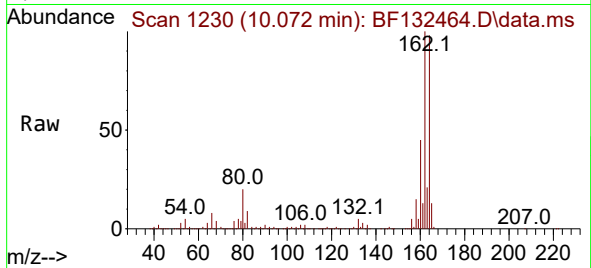




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.072 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

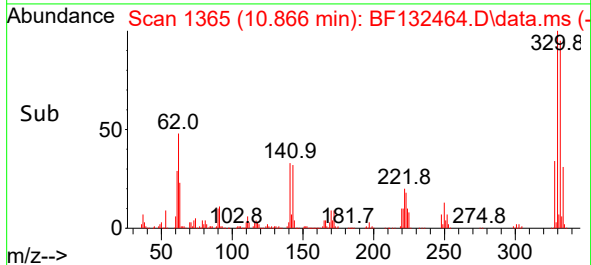
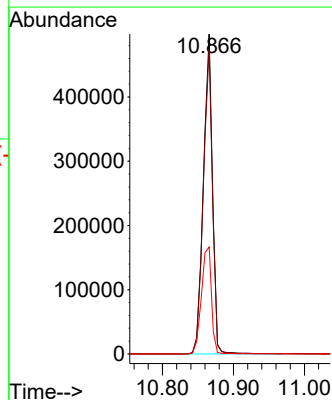
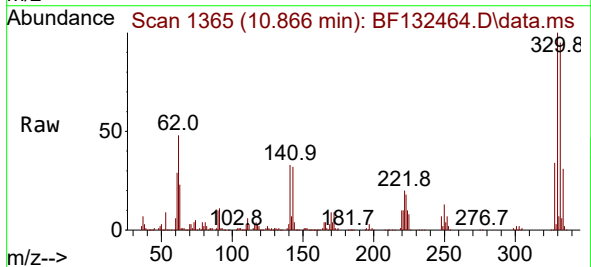
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

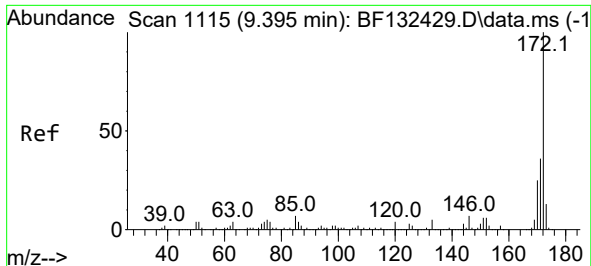
Tgt Ion:164 Resp: 495771  
Ion Ratio Lower Upper  
164 100  
162 102.1 80.8 121.2  
160 46.4 37.2 55.8



#42  
2,4,6-Tribromophenol  
Concen: 89.933 ng  
RT: 10.866 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion:330 Resp: 444855  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.3 114.5  
141 37.0 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 57.172 ng

RT: 9.384 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF132464.D

Acq: 17 Feb 2023 22:48

Instrument :

BNA\_F

ClientSampleId :

S-322-3

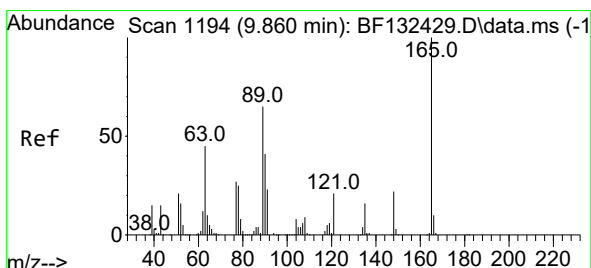
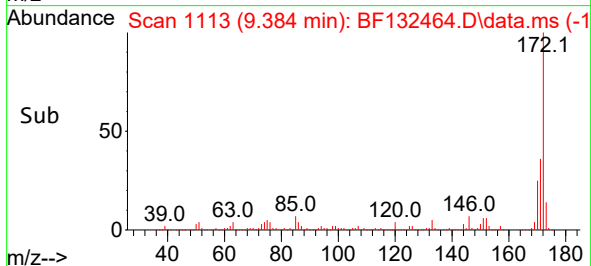
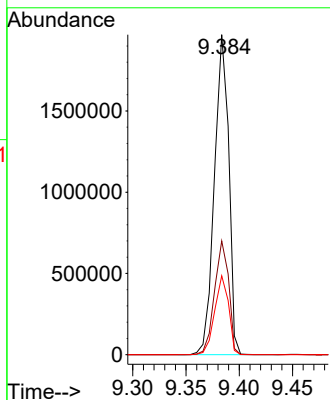
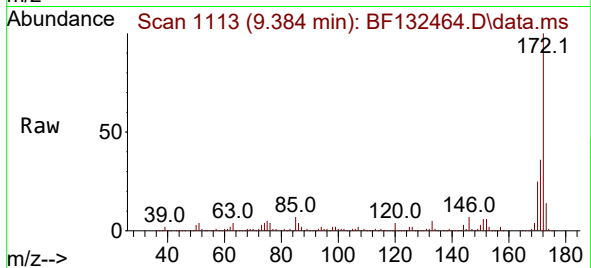
Tgt Ion:172 Resp: 1835409

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 24.7 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.192 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132464.D

Acq: 17 Feb 2023 22:48

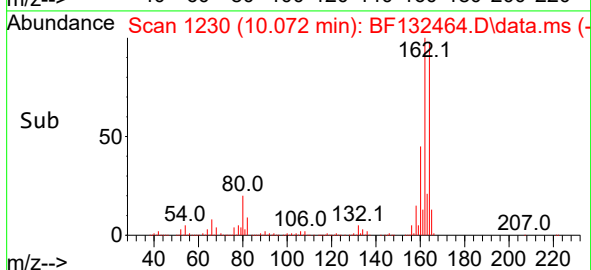
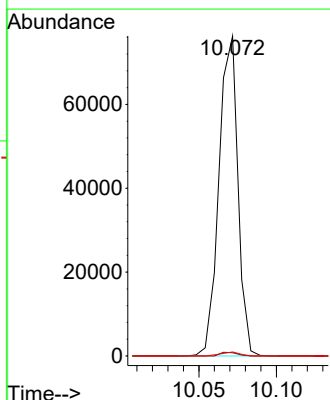
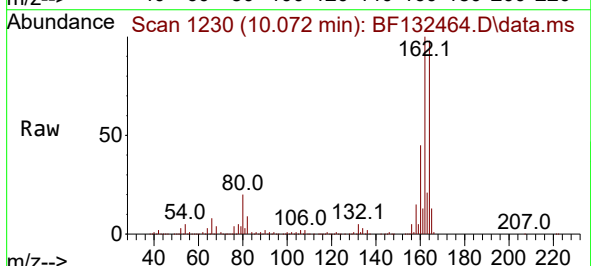
Tgt Ion:165 Resp: 65043

Ion Ratio Lower Upper

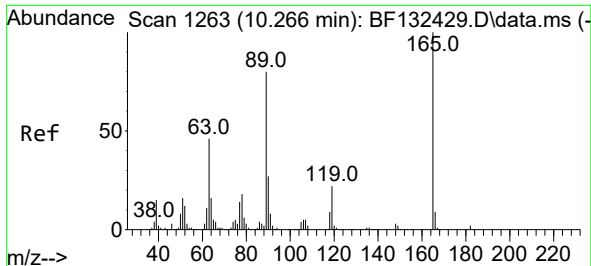
165 100

63 1.0 50.4 75.6#

89 1.2 52.2 78.2#



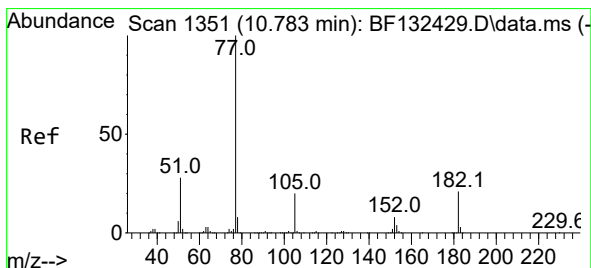
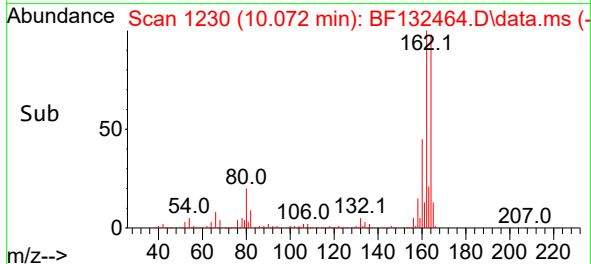
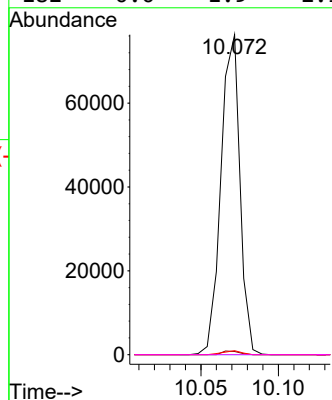
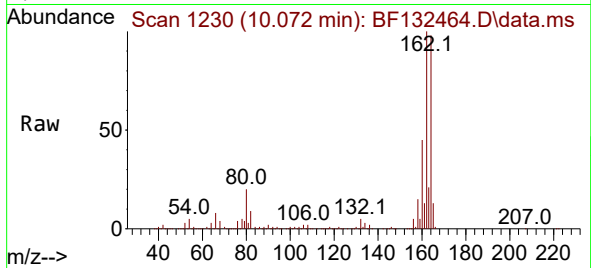




#57  
2,4-Dinitrotoluene  
Concen: 6.223 ng  
RT: 10.072 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

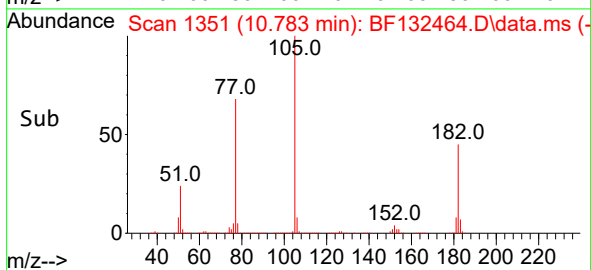
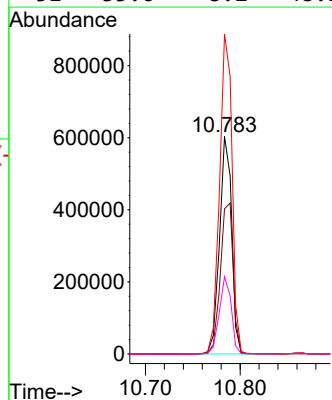
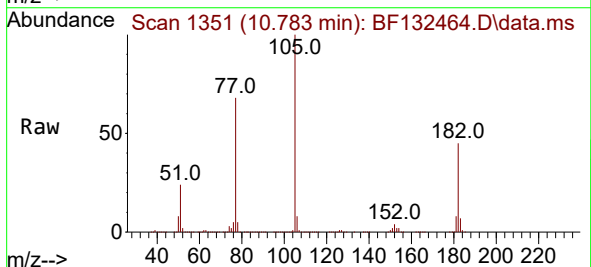
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

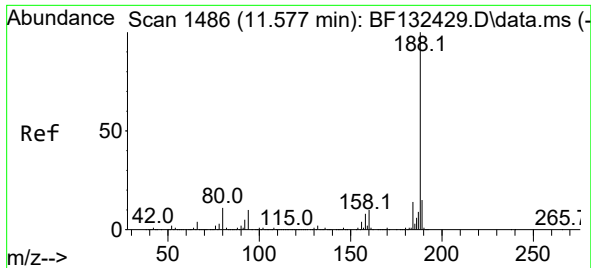
Tgt Ion:165 Resp: 65043  
Ion Ratio Lower Upper  
165 100  
63 1.0 37.1 55.7#  
89 1.2 63.6 95.4#  
182 0.0 1.9 2.9#



#63  
Azobenzene  
Concen: 13.549 ng  
RT: 10.783 min Scan# 1351  
Delta R.T. 0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion: 77 Resp: 538035  
Ion Ratio Lower Upper  
77 100  
182 66.8 1.4 41.4#  
105 147.2 0.1 40.1#  
51 35.6 8.2 48.2

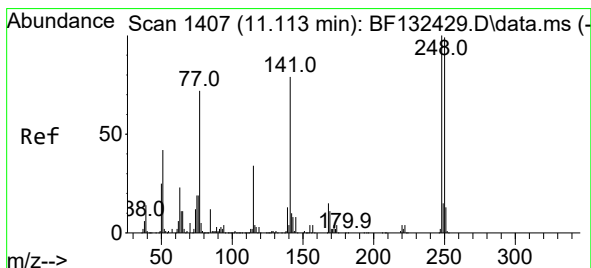
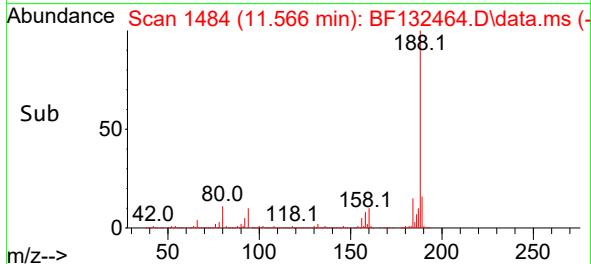
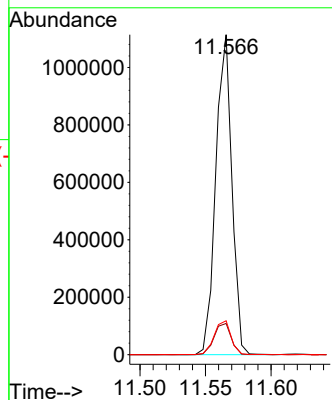
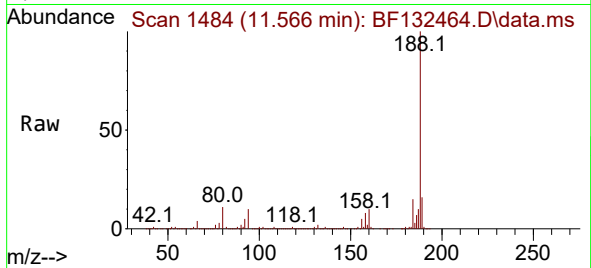




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.566 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

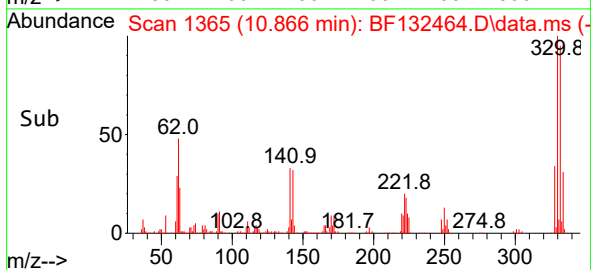
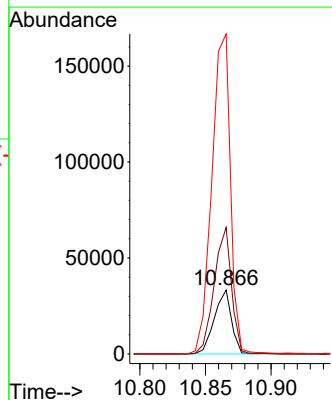
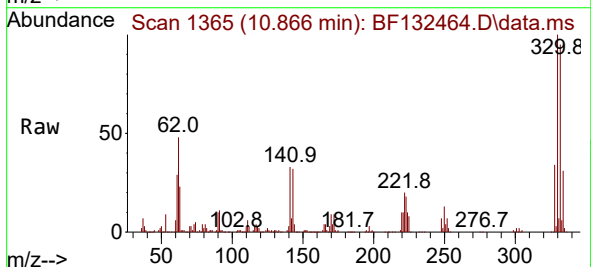
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

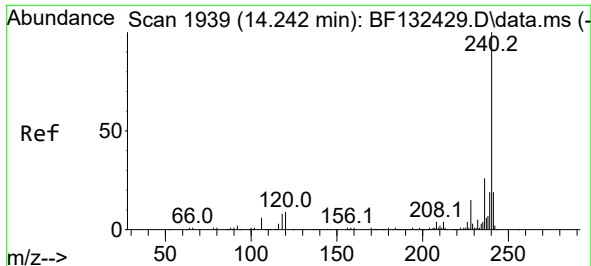
Tgt Ion:188 Resp: 948687  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.0 12.0  
80 10.6 8.6 12.8



#67  
4-Bromophenyl-phenylether  
Concen: 2.920 ng  
RT: 10.866 min Scan# 1365  
Delta R.T. -0.241 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion:248 Resp: 30364  
Ion Ratio Lower Upper  
248 100  
250 198.1 79.0 118.4#  
141 500.8 63.3 94.9#

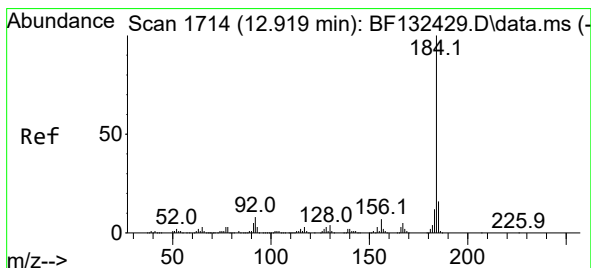
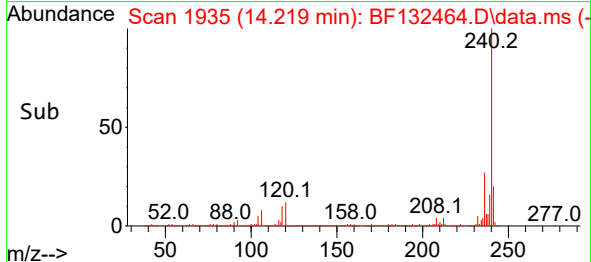
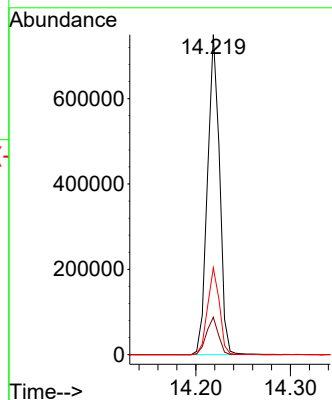
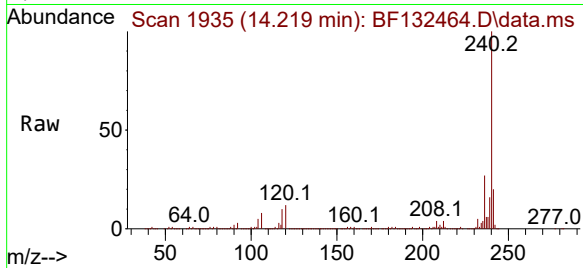




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.219 min Scan# 1935  
Delta R.T. -0.012 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

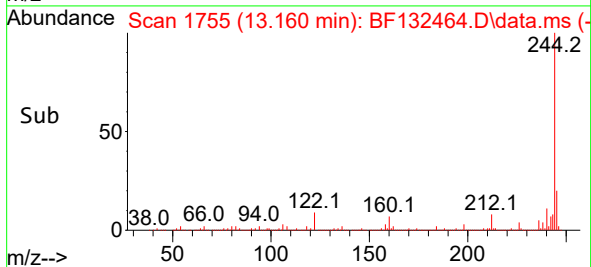
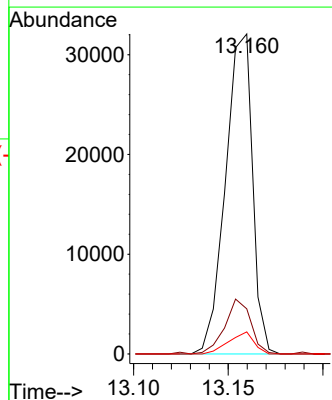
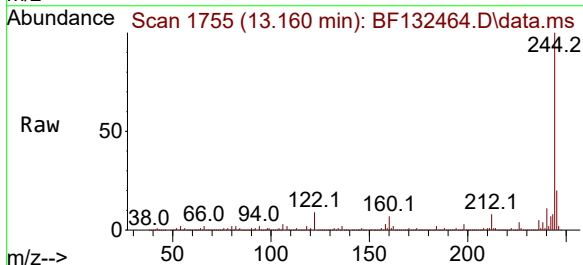
Instrument :  
BNA\_F  
ClientSampleId :  
S-322-3

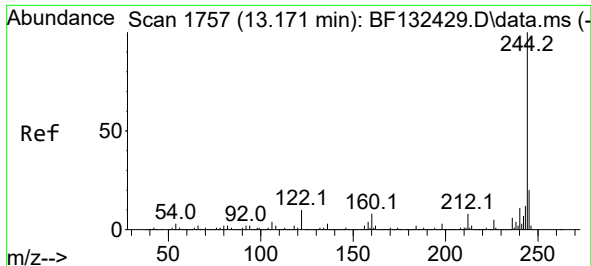
Tgt Ion:240 Resp: 662246  
Ion Ratio Lower Upper  
240 100  
120 11.7 7.5 11.3#  
236 27.1 21.0 31.6



#77  
Benzidine  
Concen: 2.256 ng  
RT: 13.160 min Scan# 1755  
Delta R.T. 0.247 min  
Lab File: BF132464.D  
Acq: 17 Feb 2023 22:48

Tgt Ion:184 Resp: 31815  
Ion Ratio Lower Upper  
184 100  
185 14.1 12.4 18.6  
183 6.9 9.2 13.8#

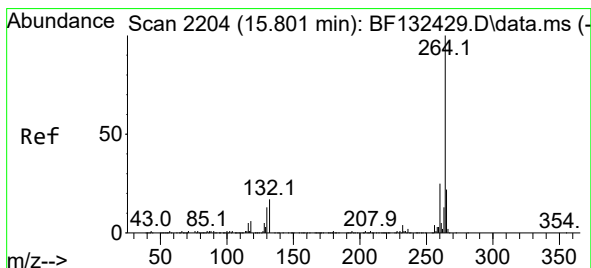
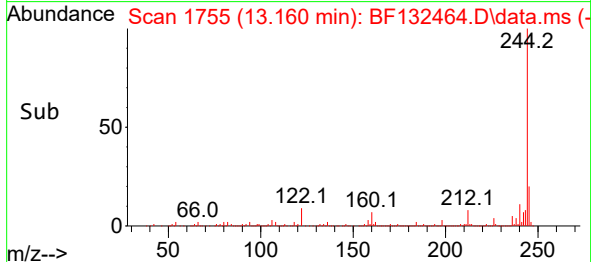
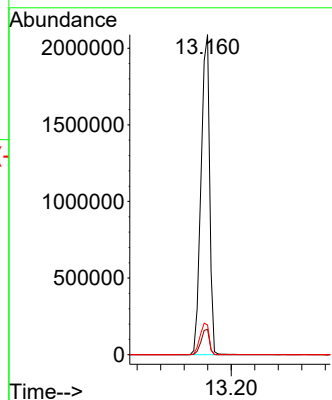
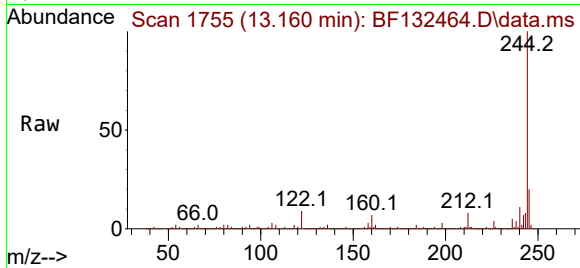




#79  
 Terphenyl-d14  
 Concen: 58.283 ng  
 RT: 13.160 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF132464.D  
 Acq: 17 Feb 2023 22:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-322-3

Tgt Ion:244 Resp: 2119357  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.7 10.1  
 122 9.3 7.7 11.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.777 min Scan# 2200  
 Delta R.T. -0.006 min  
 Lab File: BF132464.D  
 Acq: 17 Feb 2023 22:48

Tgt Ion:264 Resp: 555986  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 20.0 30.0  
 265 21.7 17.2 25.8

