

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110522\  
 Data File : BF131029.D  
 Acq On : 05 Nov 2022 20:25  
 Operator : CG\JU  
 Sample : N5378-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-20221028-10.5-11.5-A

Quant Time: Nov 07 00:51:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 07 00:46:02 2022  
 Response via : Initial Calibration

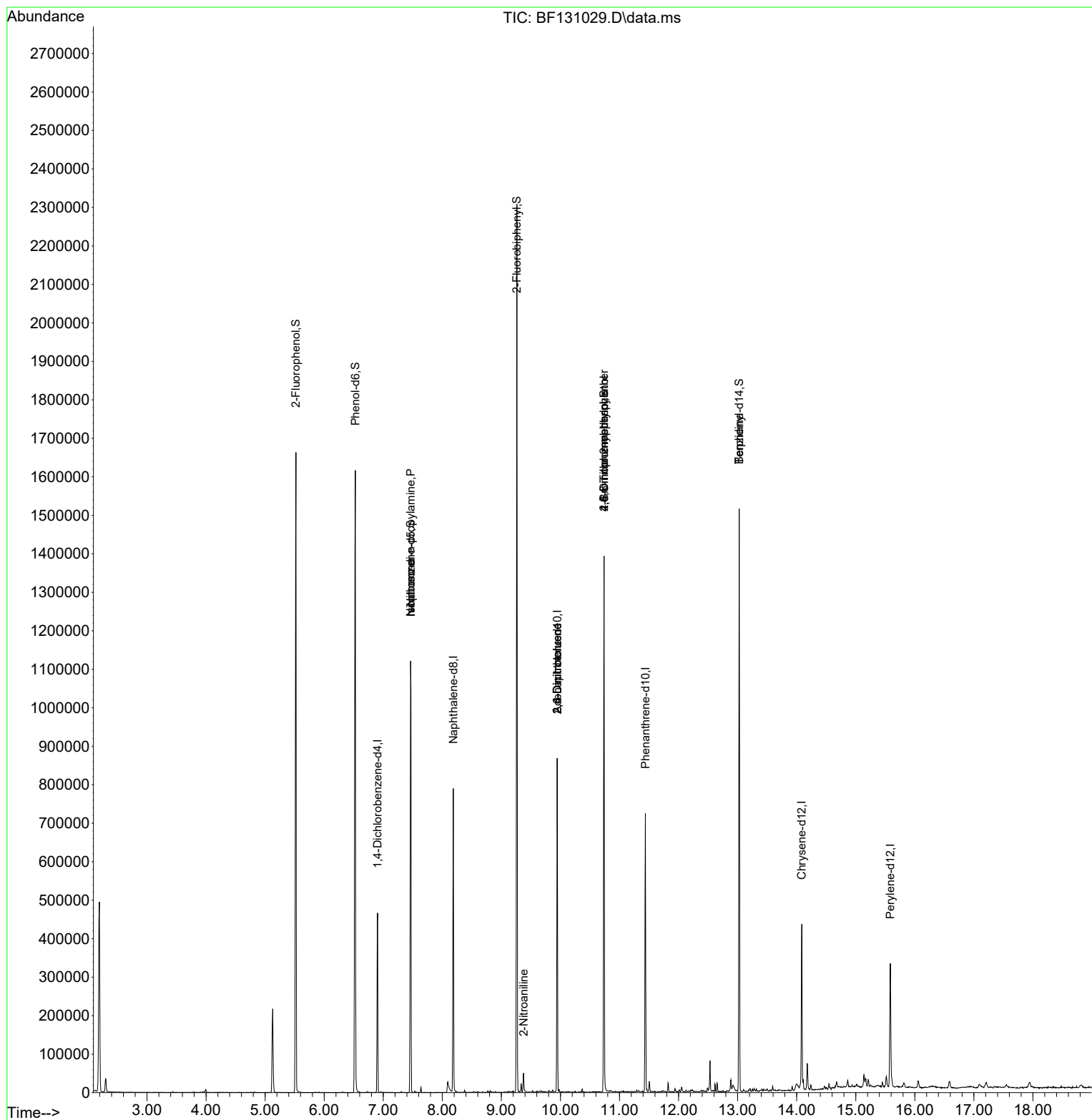
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 62787    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 305037   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.945  | 164  | 159533   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 240593   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 136580   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.586 | 264  | 140924   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 383089   | 105.775 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.528  | 99   | 501854   | 106.631 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 364277   | 72.009  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.739 | 330  | 139787   | 104.090 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 627206   | 59.440  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 470806   | 63.167  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 50085    | 15.641  | ng    | # 76     |
| 25) Isophorone                | 7.463  | 82   | 364271   | 34.919  | ng    | # 66     |
| 48) 2-Nitroaniline            | 9.380  | 65   | 605      | 4.336   | ng    | # 12     |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 20592    | 12.100  | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 20592    | 10.967  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.739 | 198  | 277      | 8.158   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.739 | 248  | 8786     | 3.631   | ng    | # 1      |
| 77) Benzidine                 | 13.027 | 184  | 7635     | 2.303   | ng    | # 87     |
| -----                         |        |      |          |         |       |          |

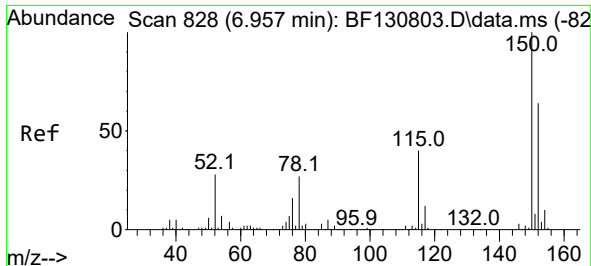
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110522\  
Data File : BF131029.D  
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Sample : N5378-05  
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Instrument :  
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SB-16-20221028-10.5-11.5-A

Quant Time: Nov 07 00:51:56 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 07 00:46:02 2022  
Response via : Initial Calibration

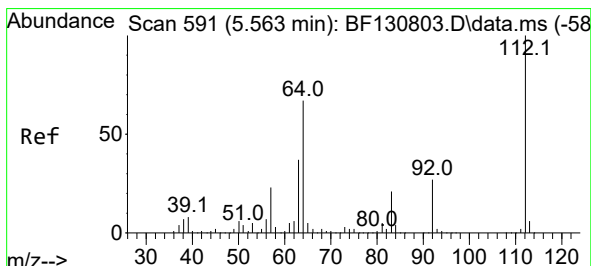
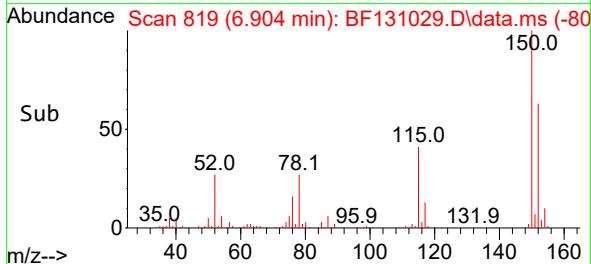
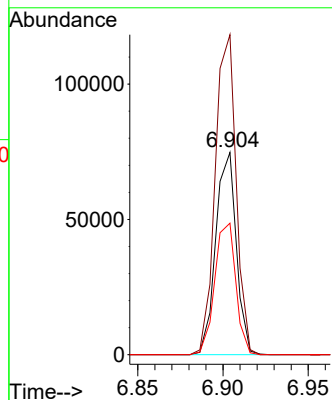
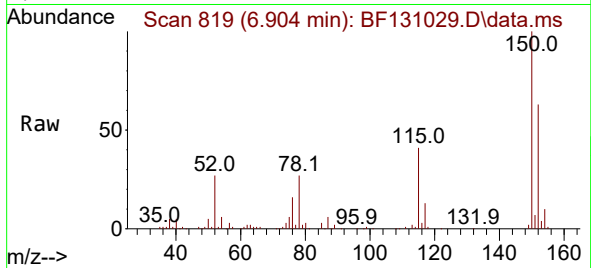




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

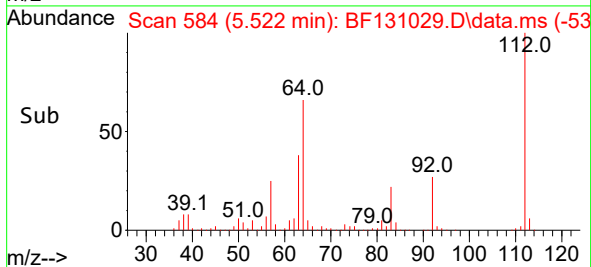
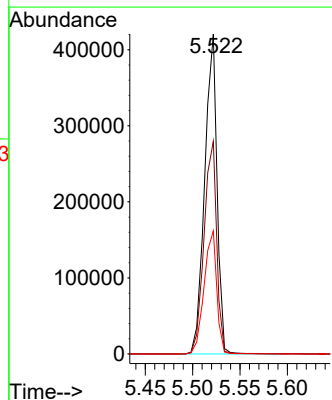
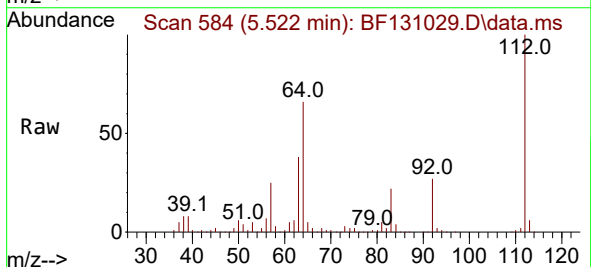
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

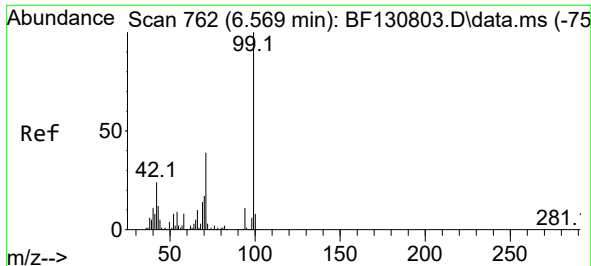
Tgt Ion:152 Resp: 62787  
Ion Ratio Lower Upper  
152 100  
150 158.2 124.1 186.1  
115 65.0 50.1 75.1



#5  
2-Fluorophenol  
Concen: 105.775 ng  
RT: 5.522 min Scan# 584  
Delta R.T. 0.006 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

Tgt Ion:112 Resp: 383089  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.9 80.9  
63 38.4 29.4 44.2

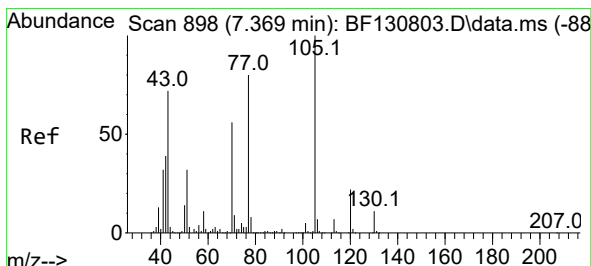
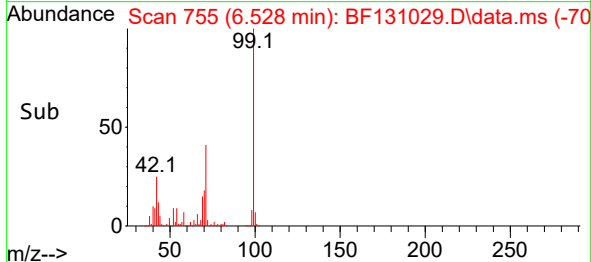
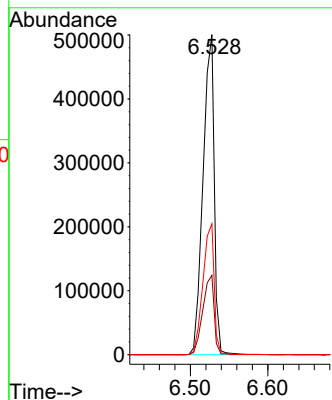
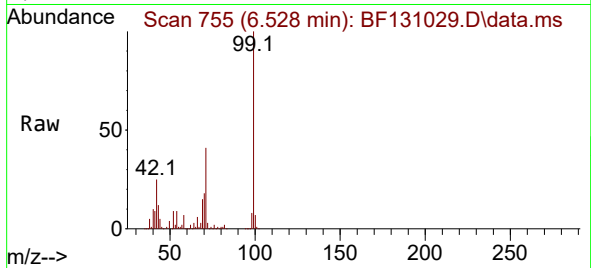




#7  
Phenol-d6  
Concen: 106.631 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

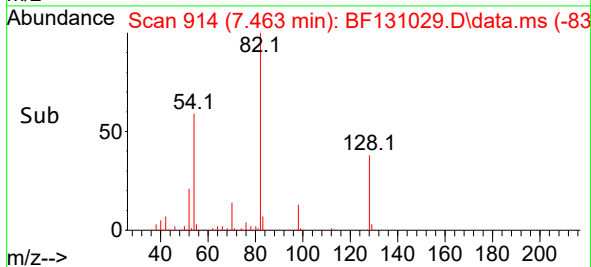
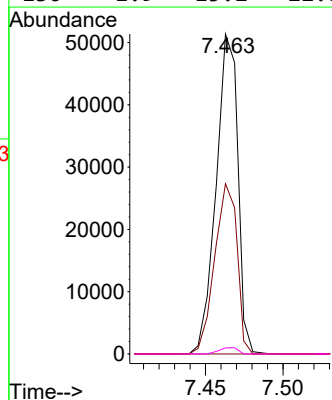
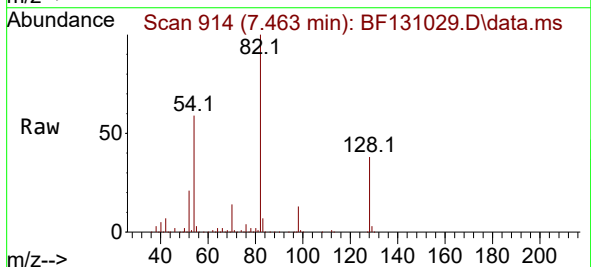
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

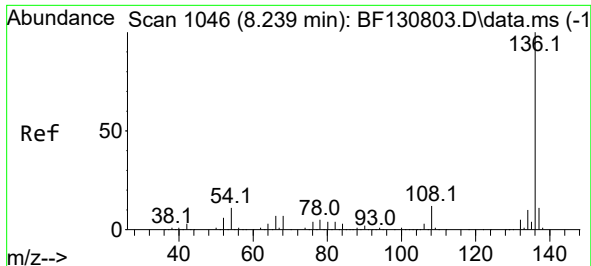
Tgt Ion: 99 Resp: 501854  
Ion Ratio Lower Upper  
99 100  
42 24.8 18.8 28.2  
71 40.9 31.4 47.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.641 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.141 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

Tgt Ion: 70 Resp: 50085  
Ion Ratio Lower Upper  
70 100  
42 53.2 56.1 84.1#  
101 0.0 7.3 10.9#  
130 1.9 15.2 22.8#

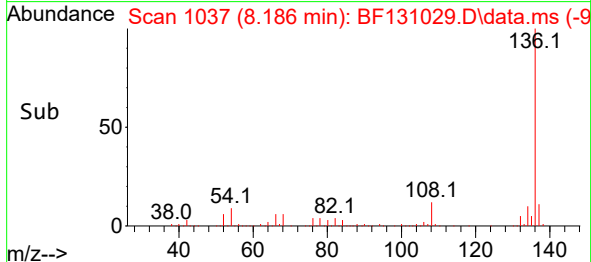
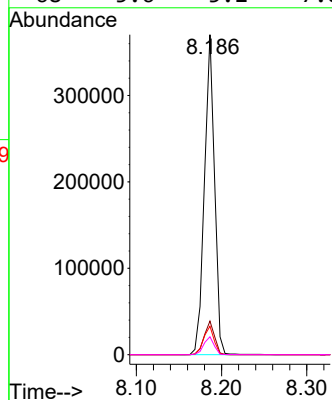
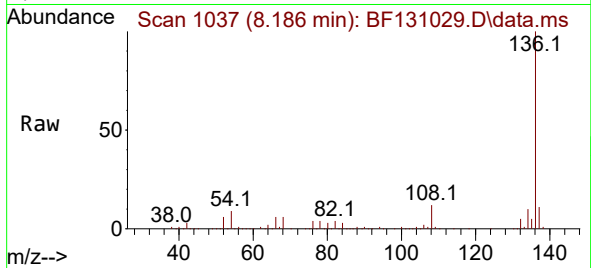




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.186 min Scan# 1046  
Delta R.T. -0.006 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

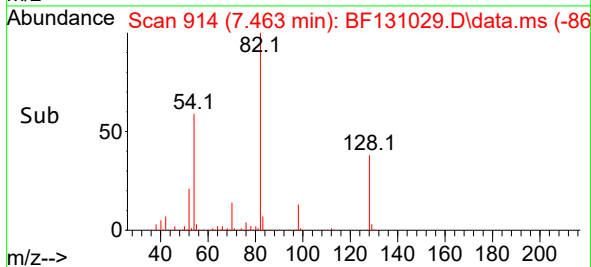
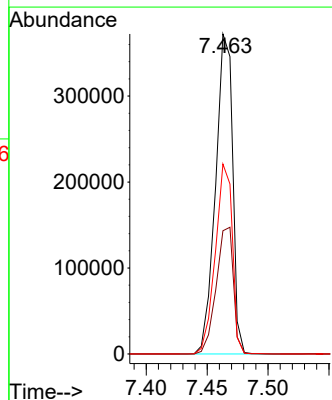
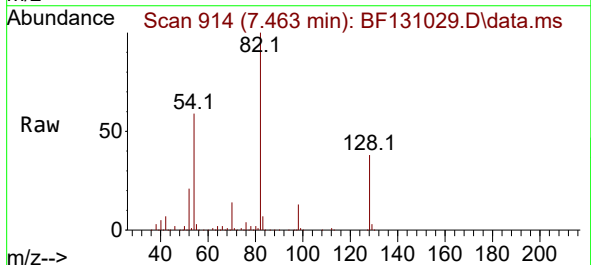
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 305037 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.5    | 9.2   | 13.8   |
| 54  | 8.9     | 8.8   | 13.2   |
| 68  | 5.6     | 5.2   | 7.8    |



#23  
Nitrobenzene-d5  
Concen: 72.009 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.012 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 364277 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.5    | 31.2 46.8    |
| 54 59.4     | 48.0 72.0    |

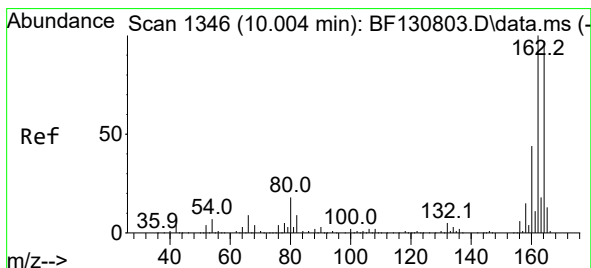
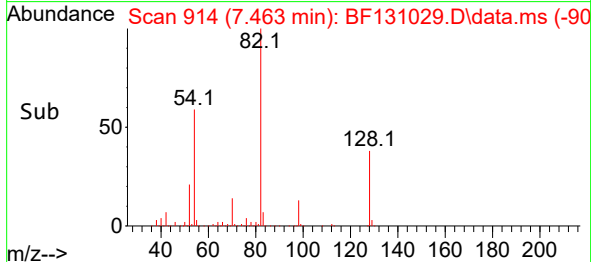
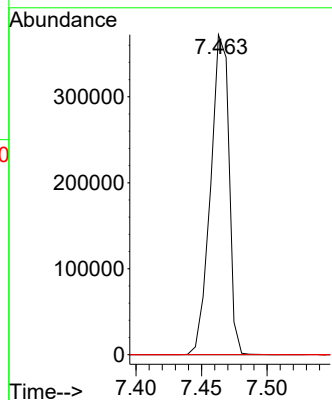
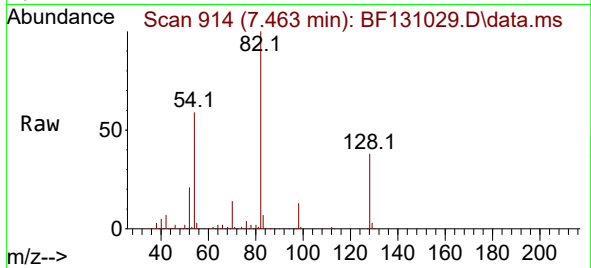




#25  
Isophorone  
Concen: 34.919 ng  
RT: 7.463 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

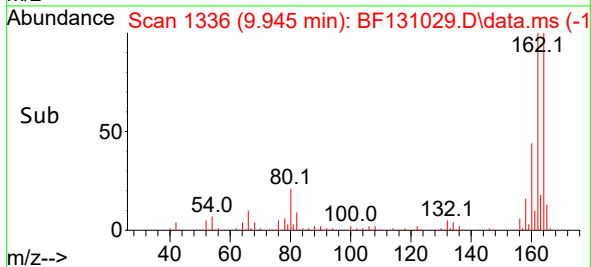
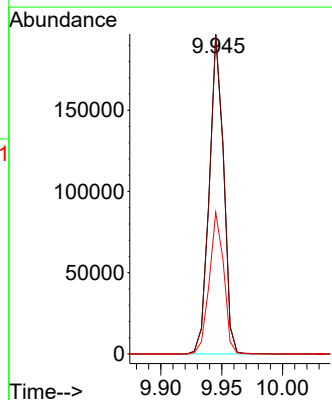
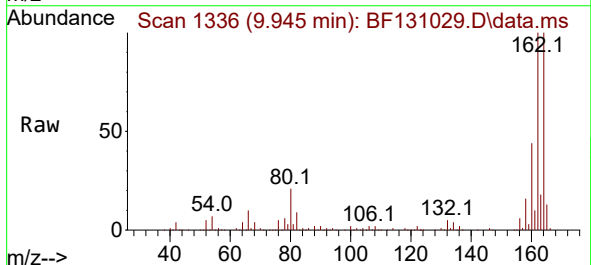
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

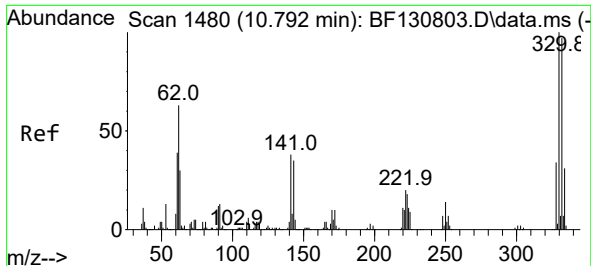
Tgt Ion: 82 Resp: 364271  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 13.8 20.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

Tgt Ion:164 Resp: 159533  
Ion Ratio Lower Upper  
164 100  
162 100.3 82.2 123.2  
160 44.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 104.090 ng

RT: 10.739 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF131029.D

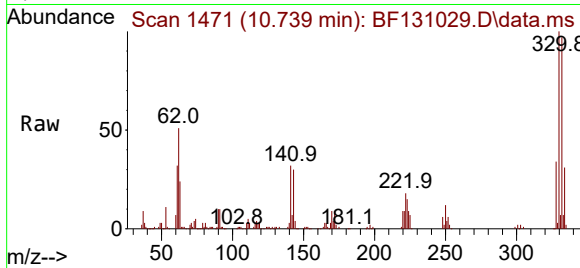
Acq: 05 Nov 2022 20:25

Instrument :

BNA\_F

ClientSampleId :

SB-16-20221028-10.5-11.5-A



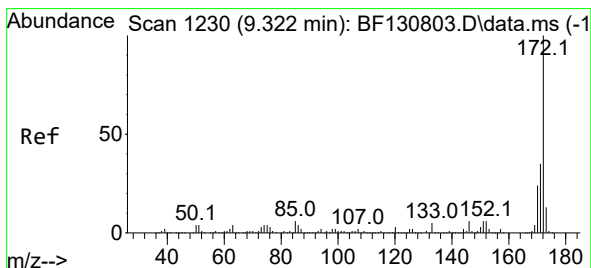
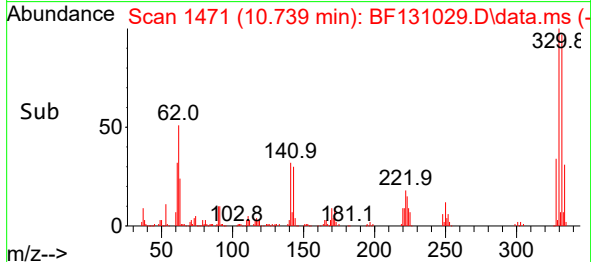
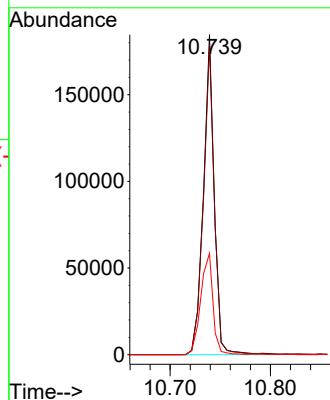
Tgt Ion:330 Resp: 139787

Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 35.7 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 59.440 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131029.D

Acq: 05 Nov 2022 20:25

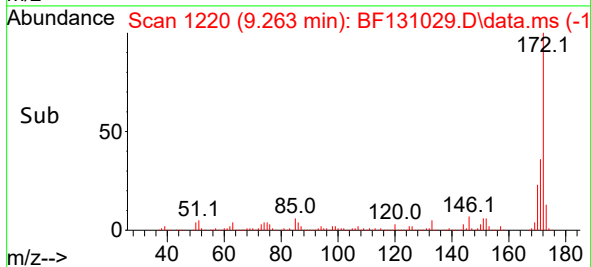
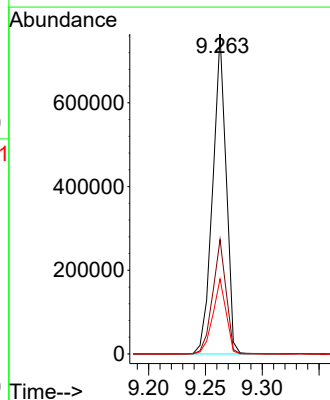
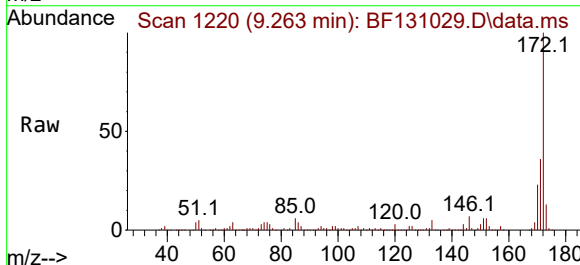
Tgt Ion:172 Resp: 627206

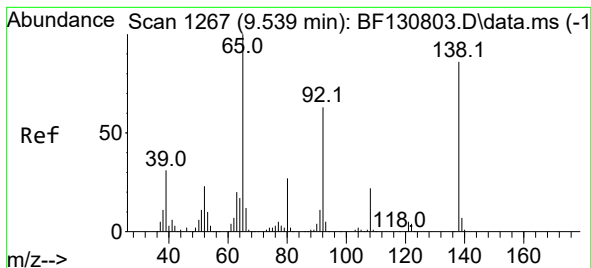
Ion Ratio Lower Upper

172 100

171 35.8 28.1 42.1

170 23.5 19.0 28.4





#48

2-Nitroaniline

Concen: 4.336 ng

RT: 9.380 min Scan# 11

Delta R.T. -0.112 min

Lab File: BF131029.D

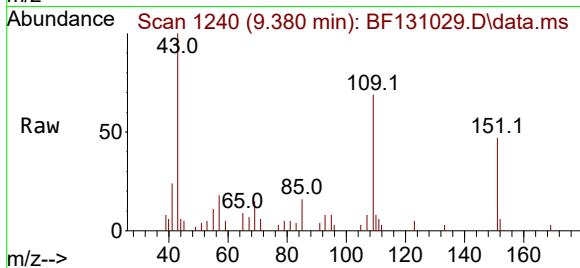
Acq: 05 Nov 2022 20:25

Instrument :

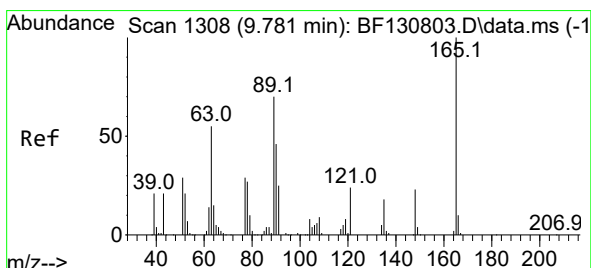
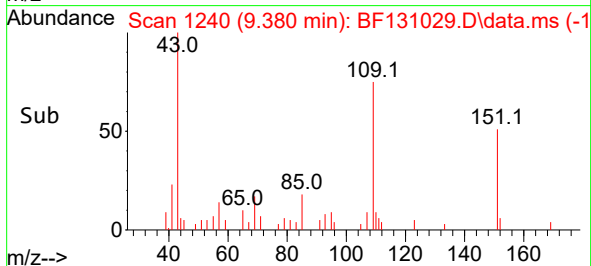
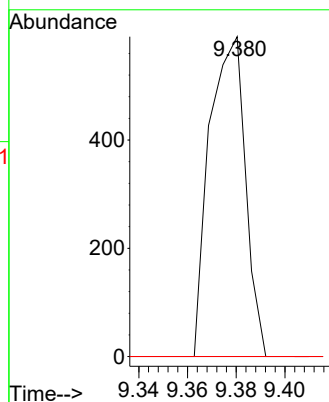
BNA\_F

ClientSampleId :

SB-16-20221028-10.5-11.5-A



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 605    |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 0.0   | 50.1  | 75.1#  |
| 138       | 0.0   | 69.2  | 103.8# |



#51

2,6-Dinitrotoluene

Concen: 12.100 ng

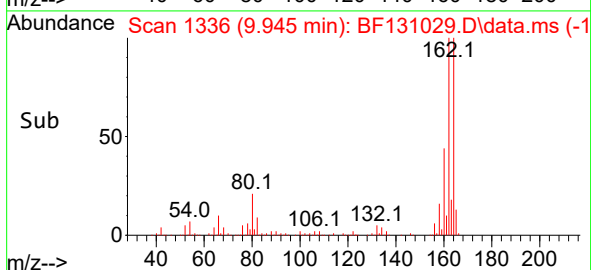
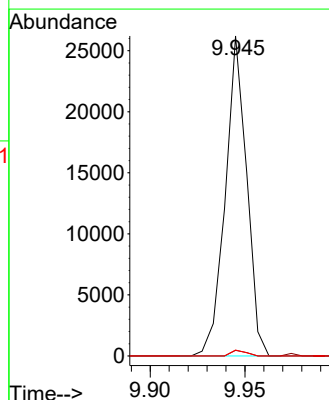
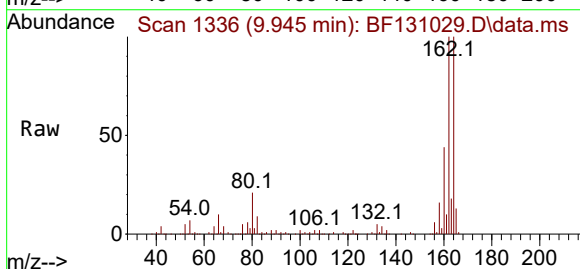
RT: 9.945 min Scan# 1336

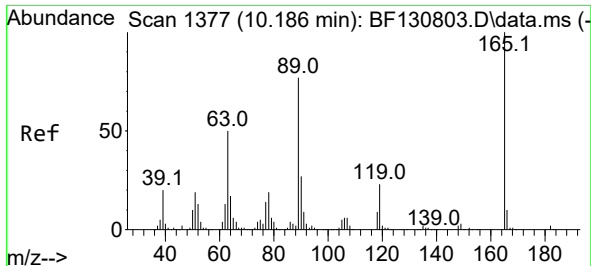
Delta R.T. 0.212 min

Lab File: BF131029.D

Acq: 05 Nov 2022 20:25

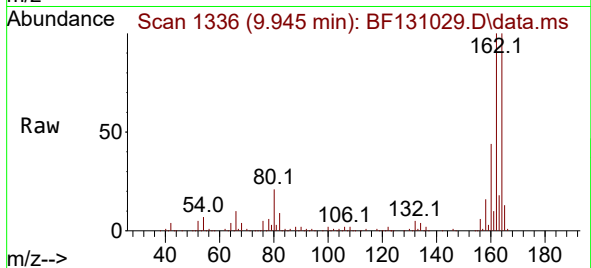
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 20592 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 1.7   | 61.8  | 92.8# |
| 89        | 1.9   | 56.2  | 84.4# |



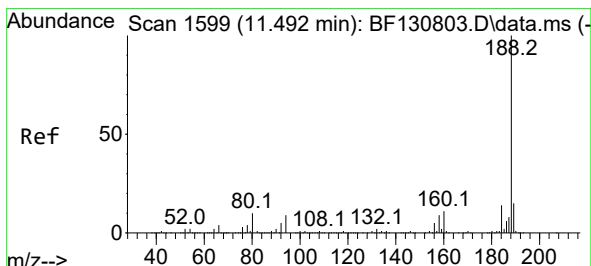
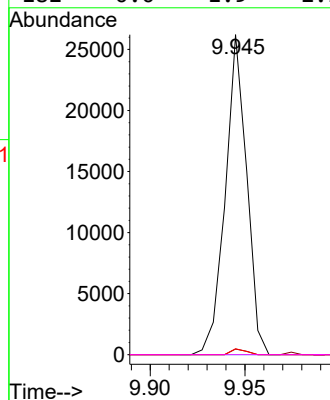
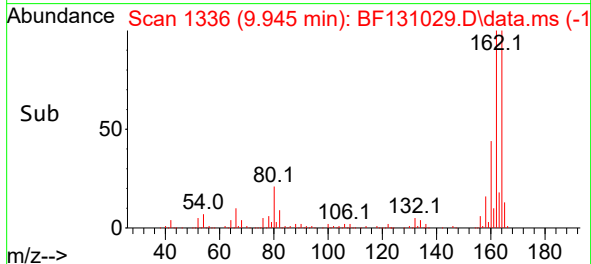


#57  
2,4-Dinitrotoluene  
Concen: 10.967 ng  
RT: 9.945 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

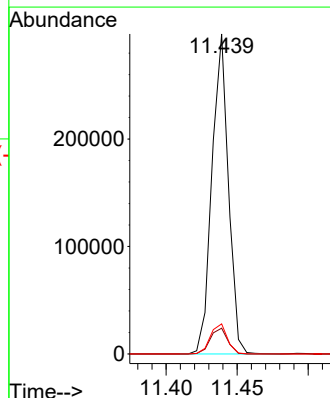
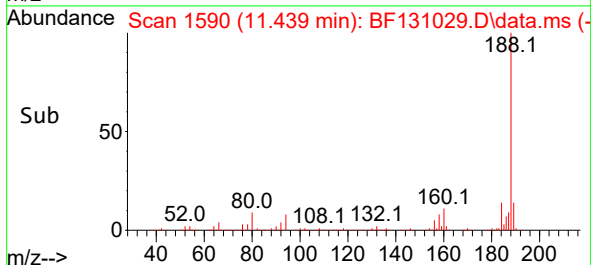
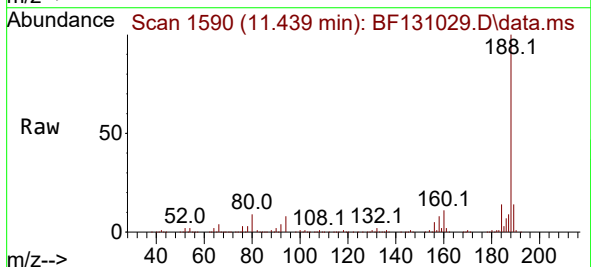


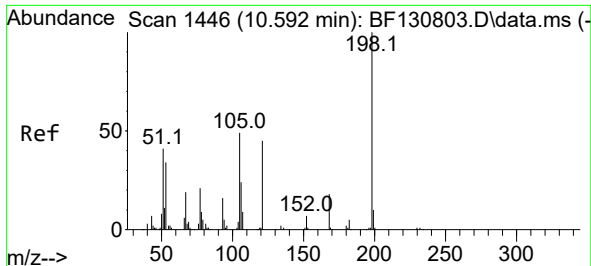
Tgt Ion:165 Resp: 20592  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.8 59.6#  
89 1.9 61.9 92.9#  
182 0.0 1.9 2.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.439 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

Tgt Ion:188 Resp: 240593  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.4 11.2  
80 9.4 8.0 12.0

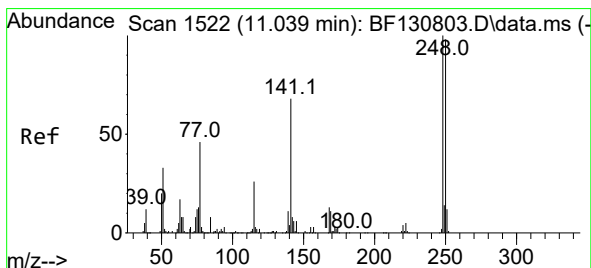
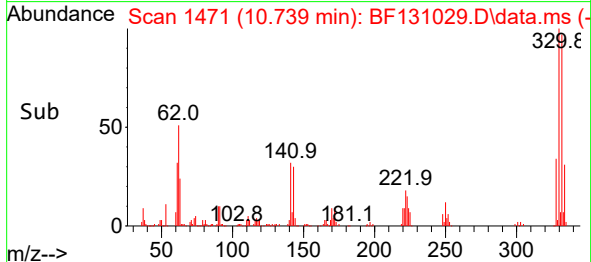
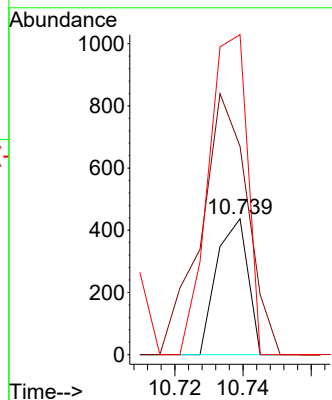
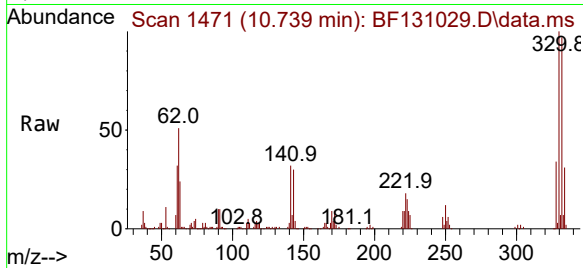




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.158 ng  
RT: 10.739 min Scan# 1446  
Delta R.T. 0.188 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

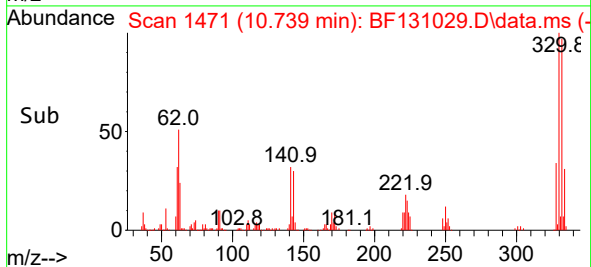
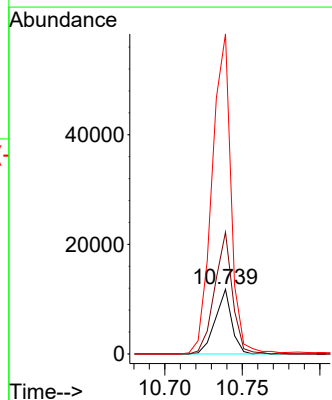
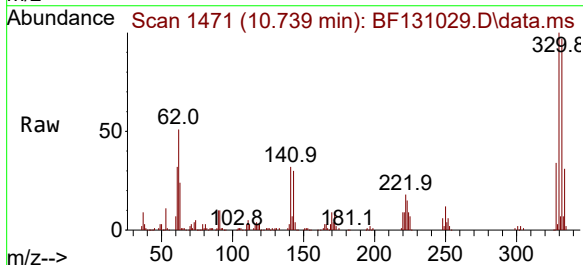
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A

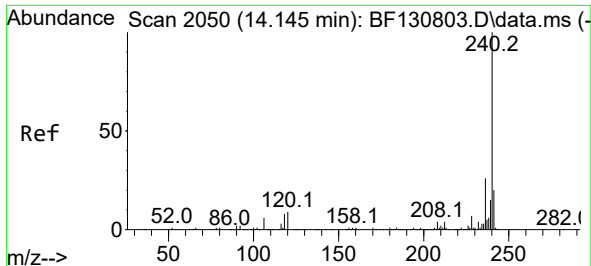
Tgt Ion:198 Resp: 277  
Ion Ratio Lower Upper  
198 100  
51 153.3 39.0 79.0#  
105 235.5 30.6 70.6#



#67  
4-Bromophenyl-phenylether  
Concen: 3.631 ng  
RT: 10.739 min Scan# 1471  
Delta R.T. -0.247 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

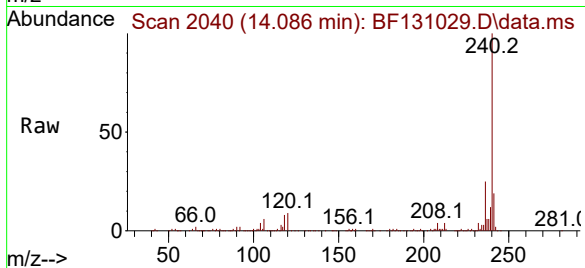
Tgt Ion:248 Resp: 8786  
Ion Ratio Lower Upper  
248 100  
250 188.1 78.6 117.8#  
141 494.5 54.2 81.4#



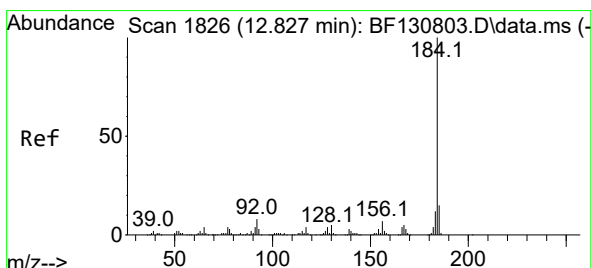
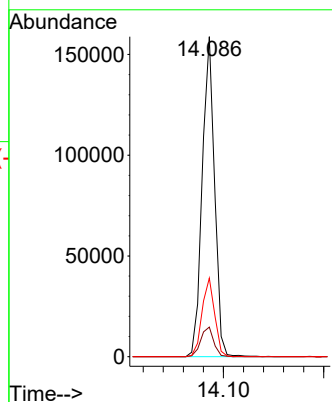
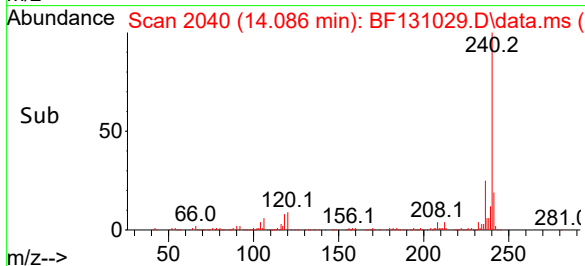


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.086 min Scan# 2050  
Delta R.T. -0.006 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25

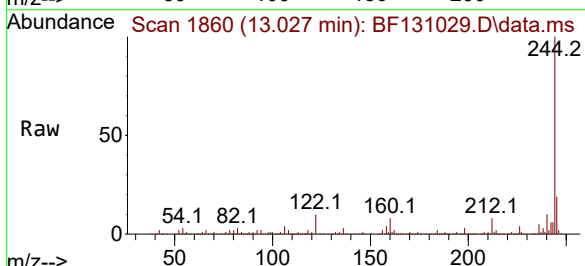
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-20221028-10.5-11.5-A



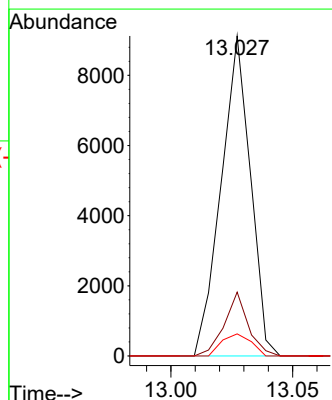
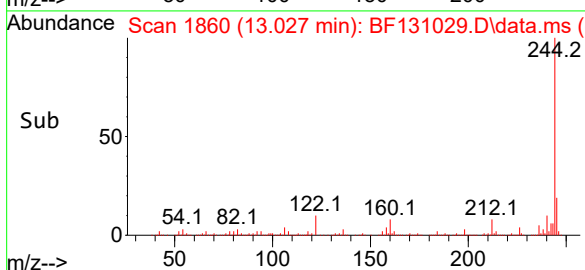
Tgt Ion:240 Resp: 136580  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.0 10.4  
236 24.6 20.5 30.7

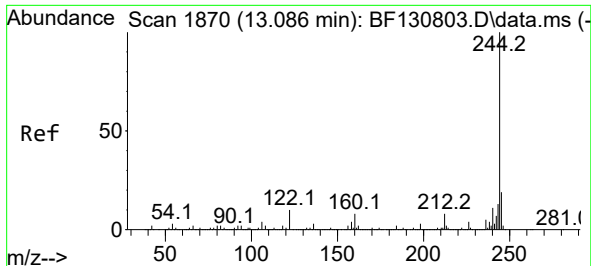


#77  
Benzidine  
Concen: 2.303 ng  
RT: 13.027 min Scan# 1860  
Delta R.T. 0.247 min  
Lab File: BF131029.D  
Acq: 05 Nov 2022 20:25



Tgt Ion:184 Resp: 7635  
Ion Ratio Lower Upper  
184 100  
185 20.0 11.8 17.8#  
183 6.9 9.7 14.5#

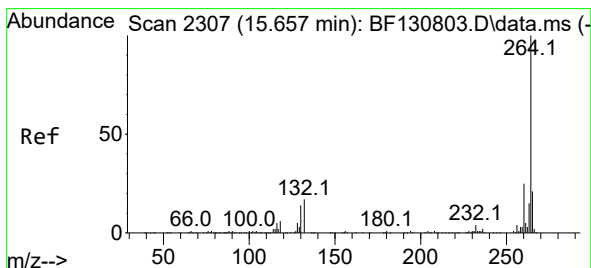
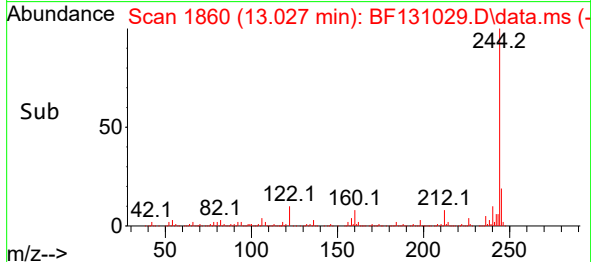
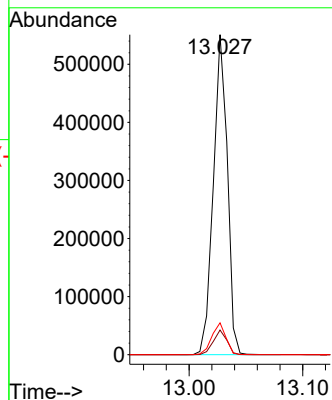
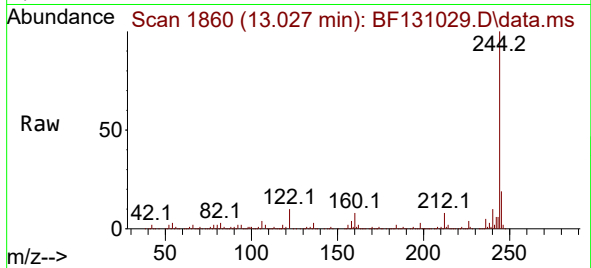




#79  
 Terphenyl-d14  
 Concen: 63.167 ng  
 RT: 13.027 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF131029.D  
 Acq: 05 Nov 2022 20:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-20221028-10.5-11.5-A

Tgt Ion:244 Resp: 470806  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 9.9 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.586 min Scan# 2295  
 Delta R.T. -0.006 min  
 Lab File: BF131029.D  
 Acq: 05 Nov 2022 20:25

Tgt Ion:264 Resp: 140924  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.9 29.9  
 265 20.2 17.0 25.6

