

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110822\  
 Data File : BF131058.D  
 Acq On : 08 Nov 2022 10:16  
 Operator : CG\JU  
 Sample : PB148852BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148852BL

Quant Time: Nov 08 12:36:08 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 01:40:43 2022  
 Response via : Initial Calibration

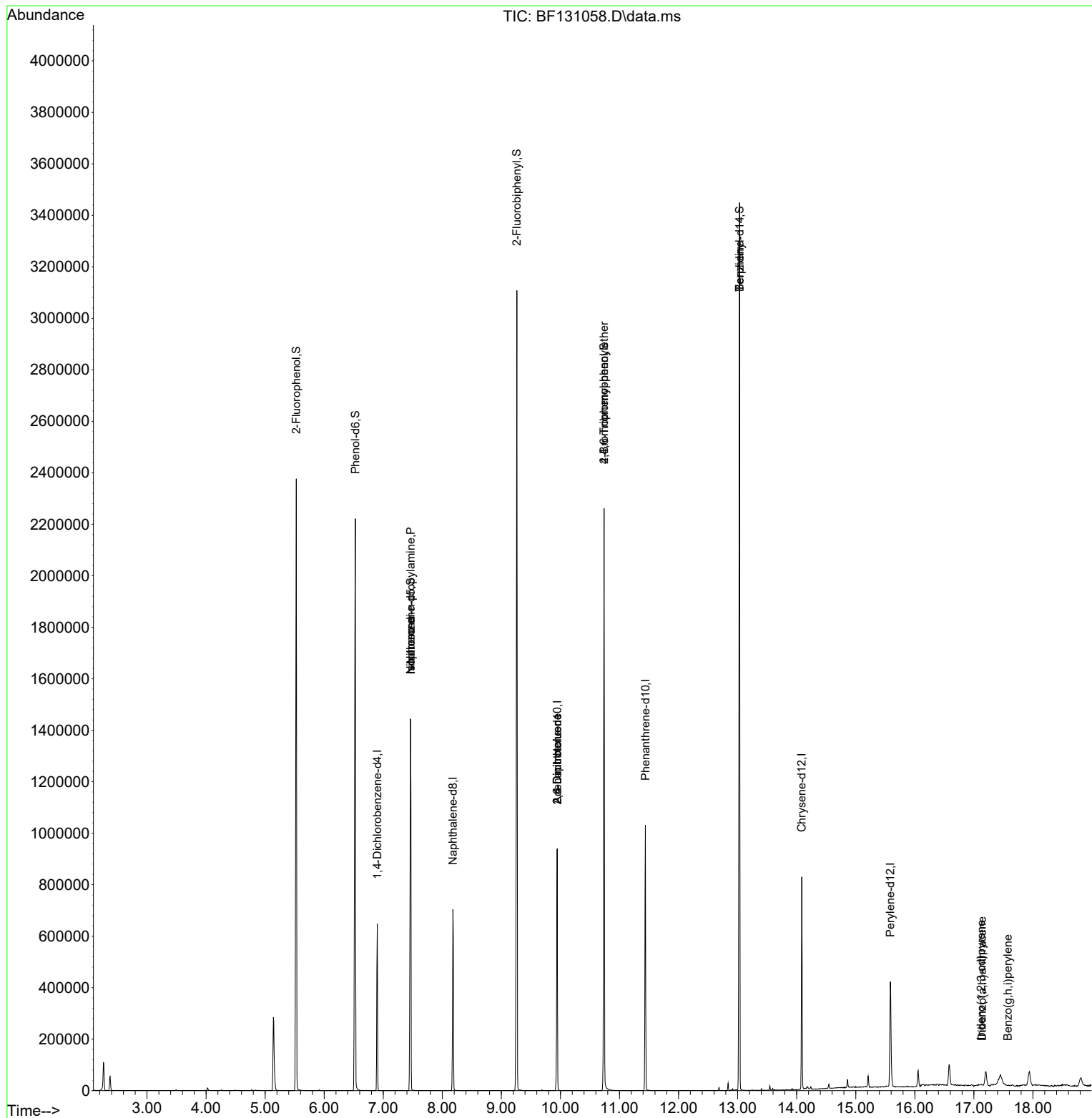
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 84049    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 330506   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.945  | 164  | 186824   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 350187   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 264886   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.586 | 264  | 188831   | 20.000    | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 606354   | 116.330   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.528  | 99   | 764966   | 120.240   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 544802   | 76.407    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.739 | 330  | 255048   | 123.997   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 1013895  | 73.961    | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1183407  | 71.627    | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 75112    | 16.567    | ng     | # 76     |
| 25) Isophorone                | 7.463  | 82   | 543412   | 44.464    | ng     | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 23659    | 7.703     | ng     | # 17     |
| 55) Dibenzofuran              | 10.139 | 168  | 56       | Below Cal |        | # 42     |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 23659    | 5.929     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.739 | 248  | 16533    | 3.758     | ng     | # 1      |
| 77) Benzidine                 | 13.033 | 184  | 18009    | 2.520     | ng     | # 91     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.121 | 276  | 624      | 3.358     | ng     | # 62     |
| 91) Dibenzo(a,h)anthracene    | 17.139 | 278  | 302      | 3.328     | ng     | # 57     |
| 92) Benzo(g,h,i)perylene      | 17.574 | 276  | 470      | 3.425     | ng     | # 54     |
| -----                         |        |      |          |           |        |          |

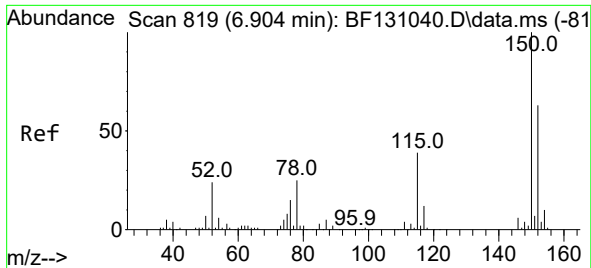
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110822\  
Data File : BF131058.D  
Acq On : 08 Nov 2022 10:16  
Operator : CG\JU  
Sample : PB148852BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

Quant Time: Nov 08 12:36:08 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 01:40:43 2022  
Response via : Initial Calibration

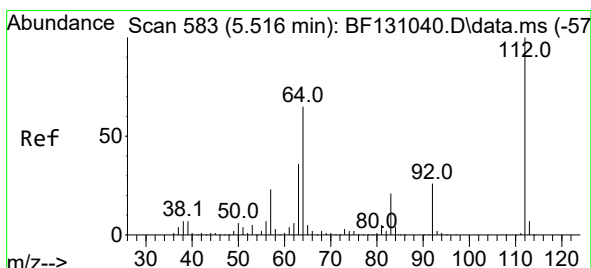
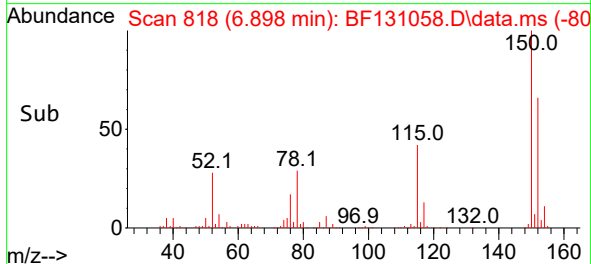
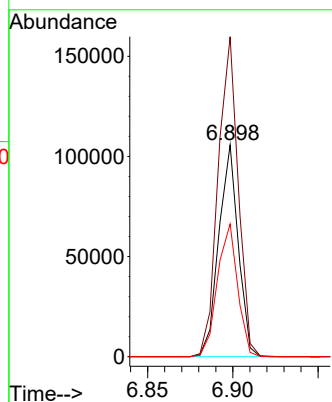
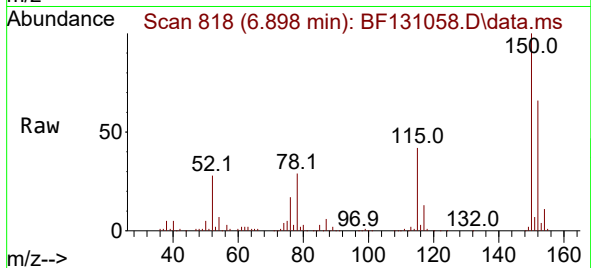




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

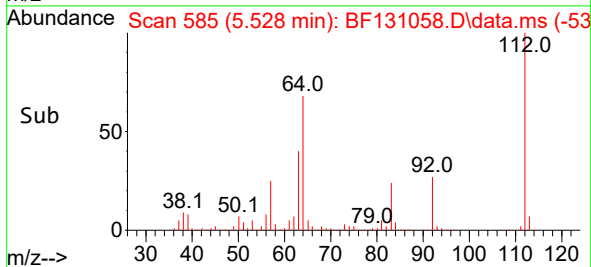
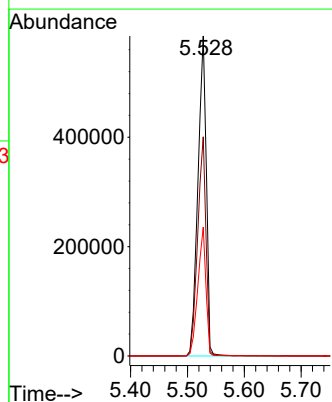
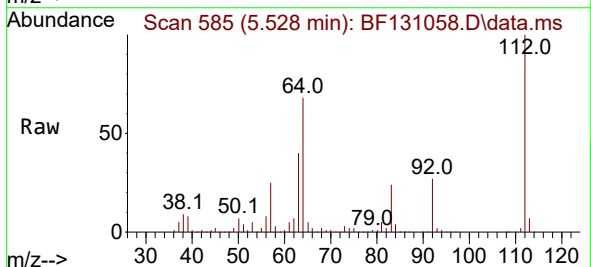
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

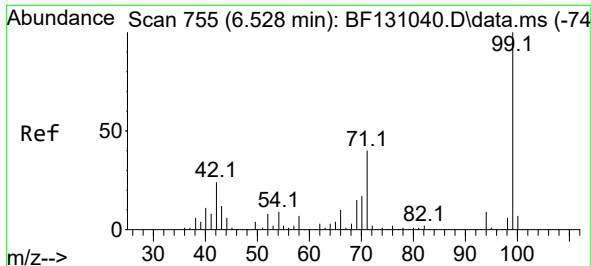
Tgt Ion:152 Resp: 84049  
Ion Ratio Lower Upper  
152 100  
150 151.1 126.6 189.8  
115 62.7 49.1 73.7



#5  
2-Fluorophenol  
Concen: 116.330 ng  
RT: 5.528 min Scan# 585  
Delta R.T. 0.012 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:112 Resp: 606354  
Ion Ratio Lower Upper  
112 100  
64 68.5 52.2 78.4  
63 40.2 29.0 43.4

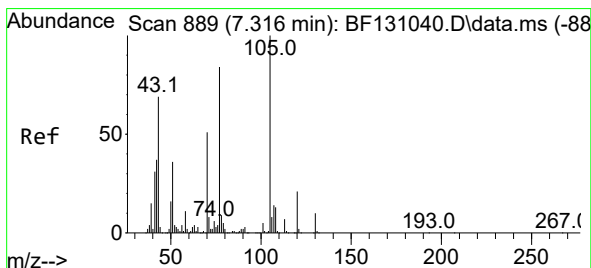
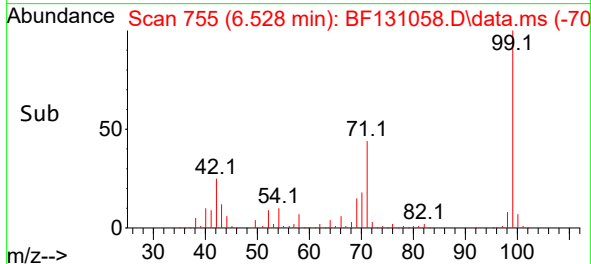
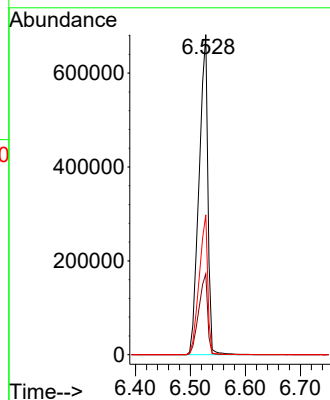
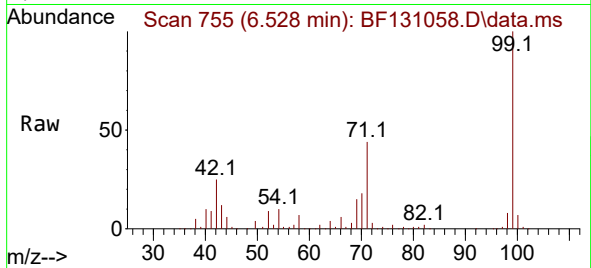




#7  
Phenol-d6  
Concen: 120.240 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

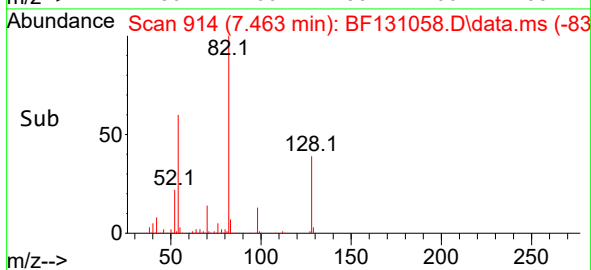
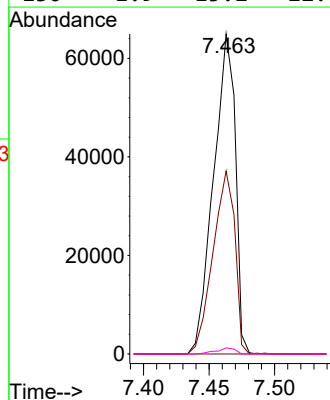
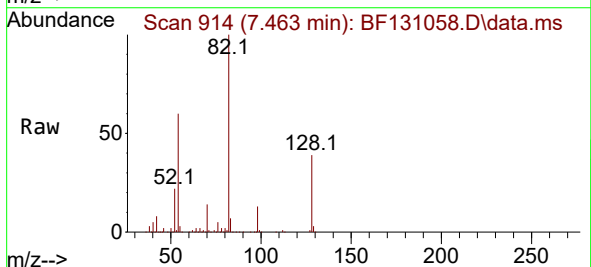
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

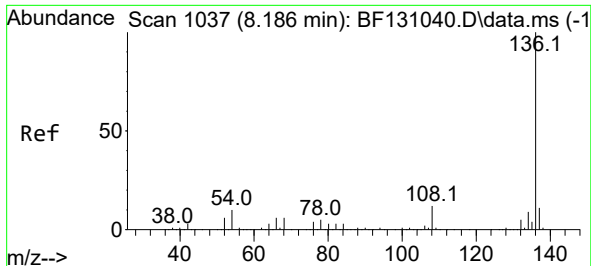
Tgt Ion: 99 Resp: 764966  
Ion Ratio Lower Upper  
99 100  
42 25.2 19.4 29.0  
71 43.7 31.8 47.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.567 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.147 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion: 70 Resp: 75112  
Ion Ratio Lower Upper  
70 100  
42 57.2 59.0 88.4#  
101 0.0 8.0 12.0#  
130 1.9 15.2 22.8#

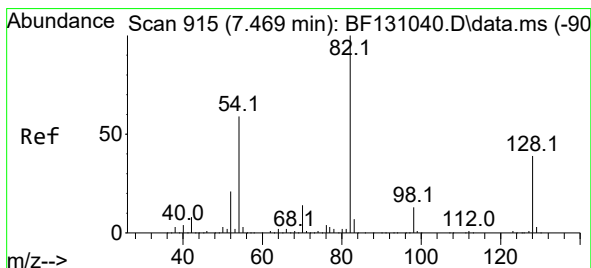
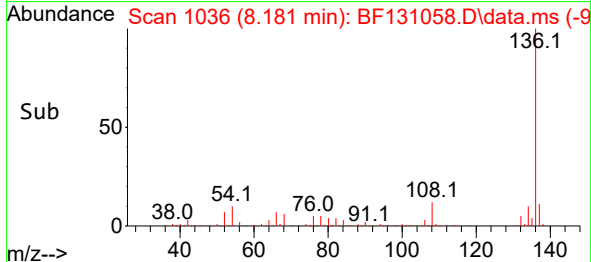
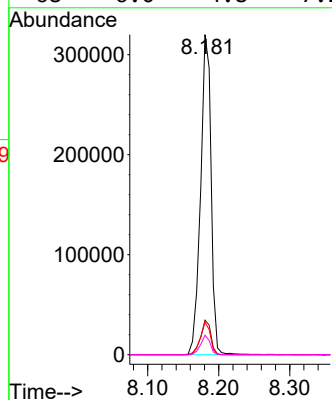
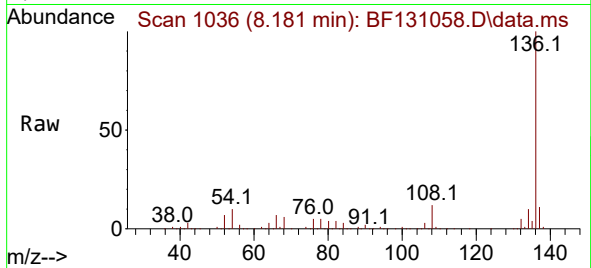




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

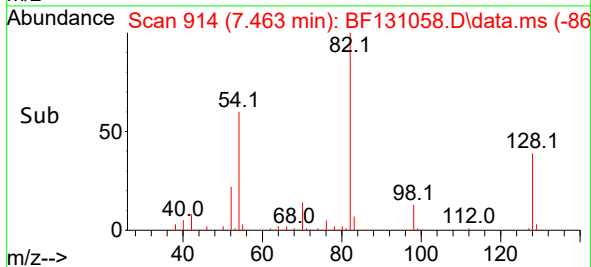
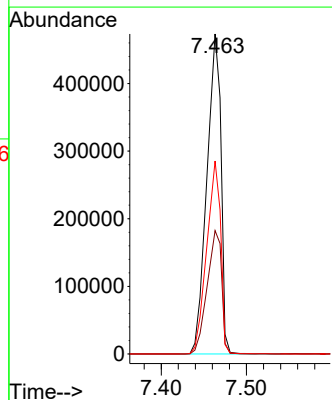
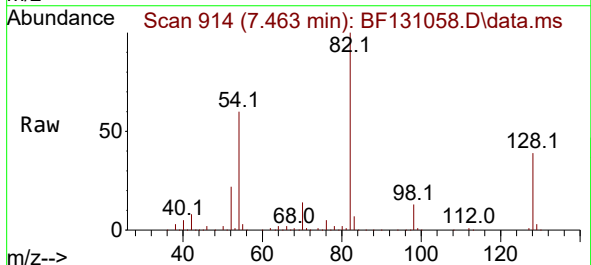
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

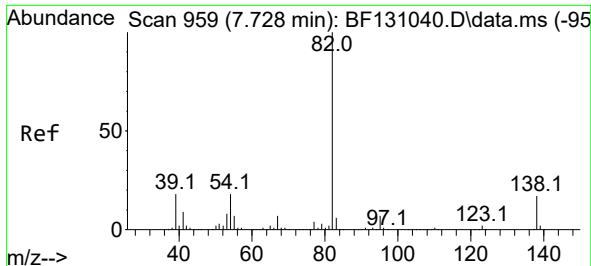
Tgt Ion:136 Resp: 330506  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 10.1 8.2 12.2  
68 6.0 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 76.407 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.006 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion: 82 Resp: 544802  
Ion Ratio Lower Upper  
82 100  
128 38.6 31.3 46.9  
54 60.3 47.2 70.8

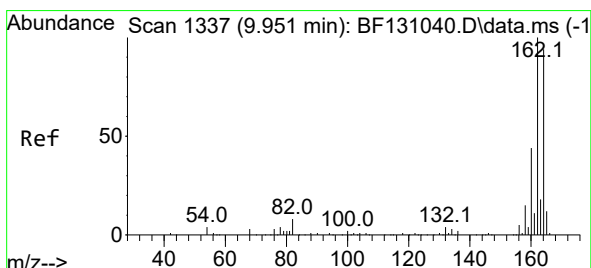
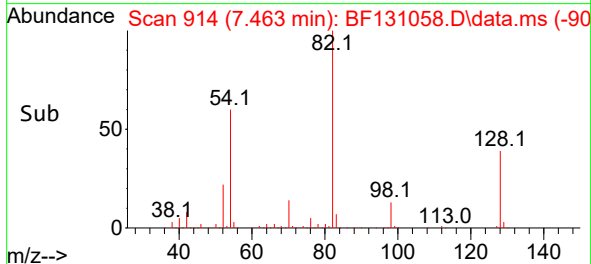
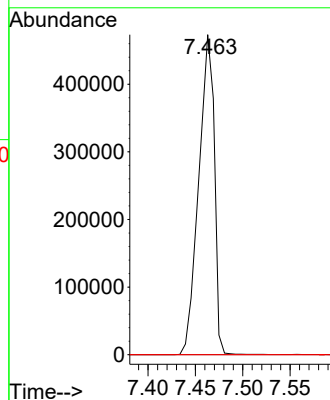
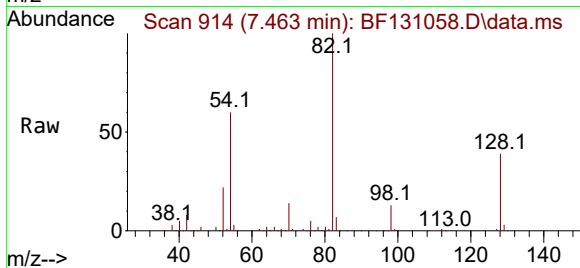




#25  
Isophorone  
Concen: 44.464 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.265 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

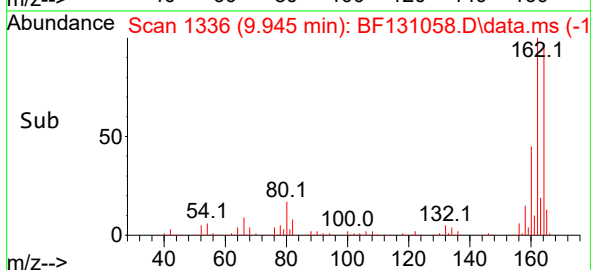
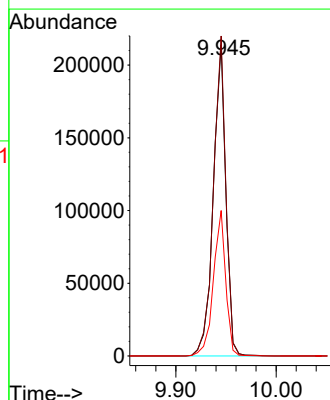
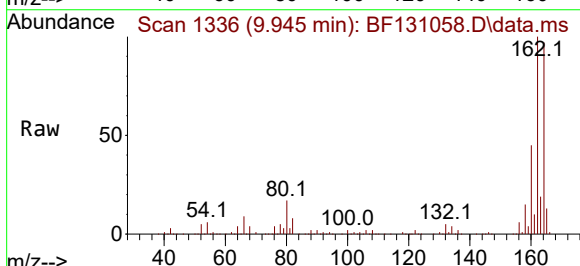
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

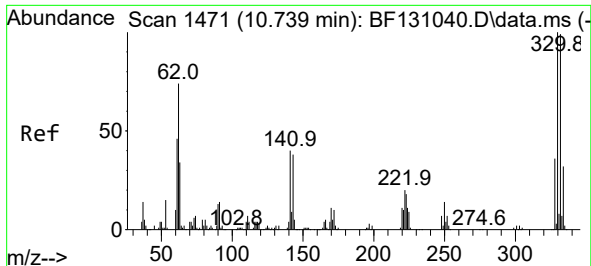
Tgt Ion: 82 Resp: 543412  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 13.5 20.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:164 Resp: 186824  
Ion Ratio Lower Upper  
164 100  
162 102.9 85.0 127.6  
160 46.8 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 123.997 ng

RT: 10.739 min Scan# 1471

Delta R.T. 0.000 min

Lab File: BF131058.D

Acq: 08 Nov 2022 10:16

Instrument :

BNA\_F

ClientSampleId :

PB148852BL

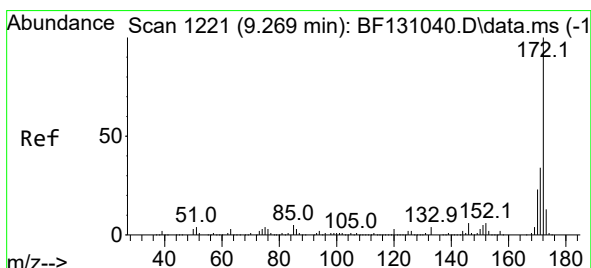
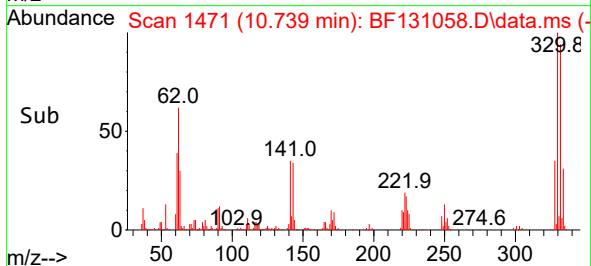
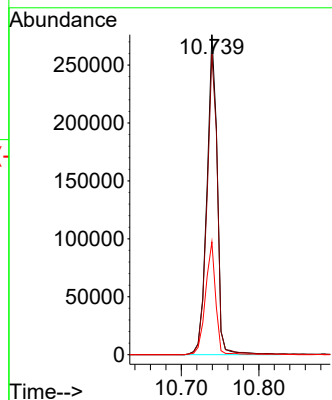
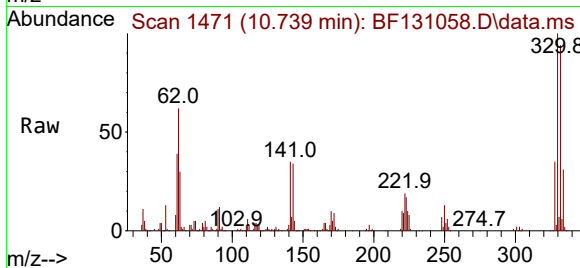
Tgt Ion:330 Resp: 255048

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.4

141 34.9 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 73.961 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131058.D

Acq: 08 Nov 2022 10:16

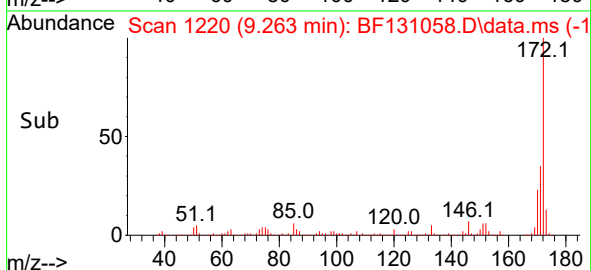
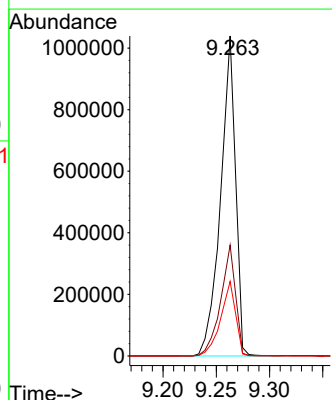
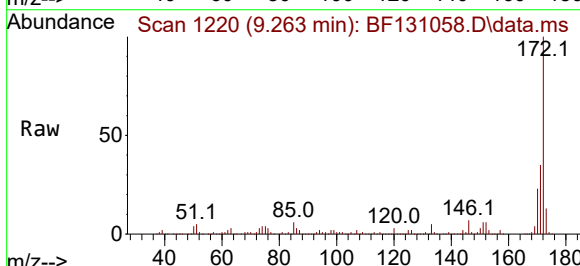
Tgt Ion:172 Resp: 1013895

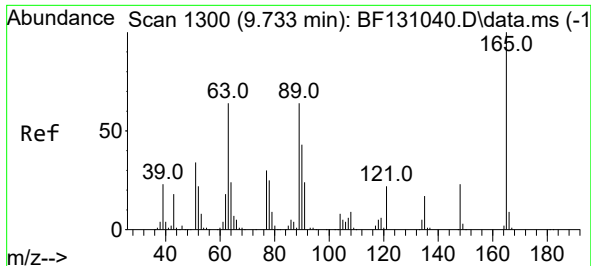
Ion Ratio Lower Upper

172 100

171 34.6 27.7 41.5

170 23.3 18.4 27.6

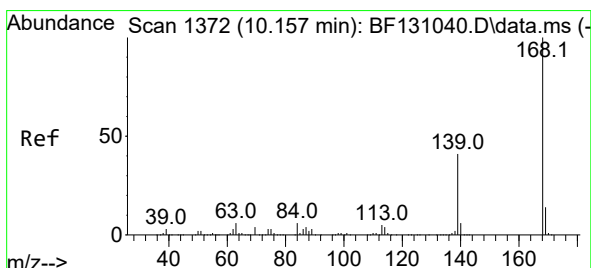
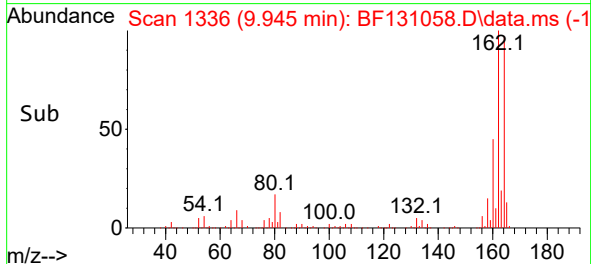
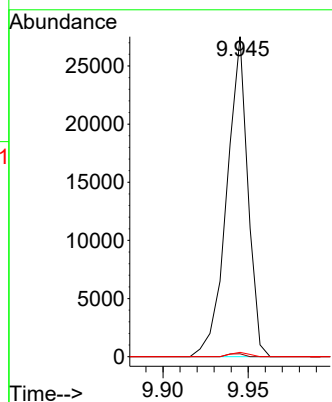
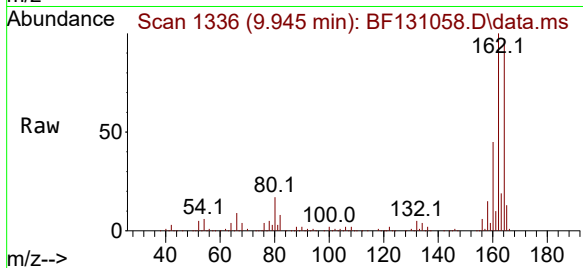




#51  
2,6-Dinitrotoluene  
Concen: 7.703 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

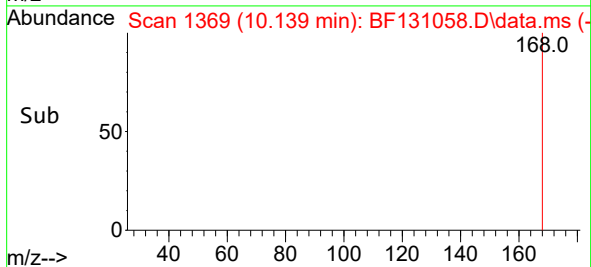
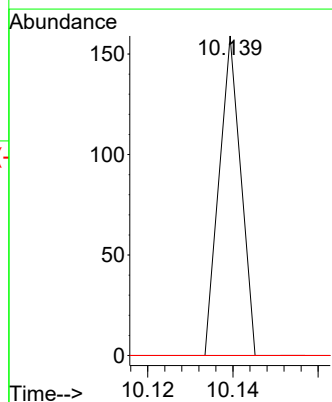
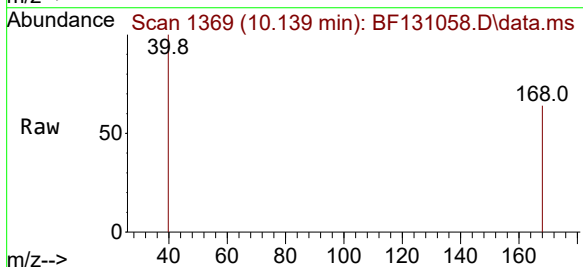
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

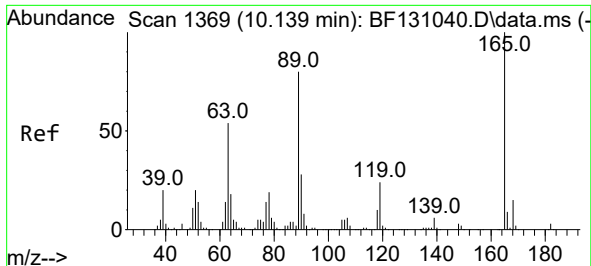
Tgt Ion:165 Resp: 23659  
Ion Ratio Lower Upper  
165 100  
63 0.9 57.2 85.8#  
89 1.4 51.4 77.2#



#55  
Dibenzofuran  
Concen: Below Cal  
RT: 10.139 min Scan# 1369  
Delta R.T. -0.018 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

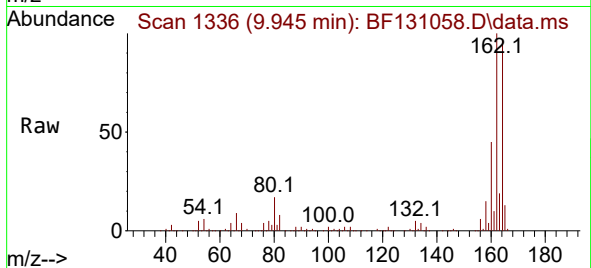
Tgt Ion:168 Resp: 56  
Ion Ratio Lower Upper  
168 100  
139 0.0 33.0 49.6#  
169 0.0 11.3 16.9#



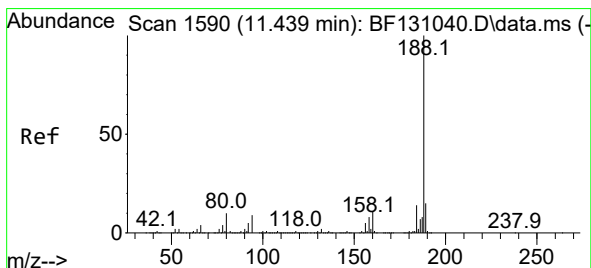
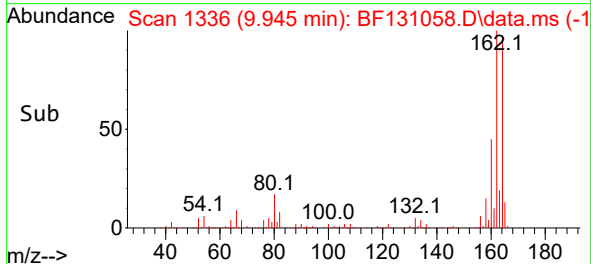
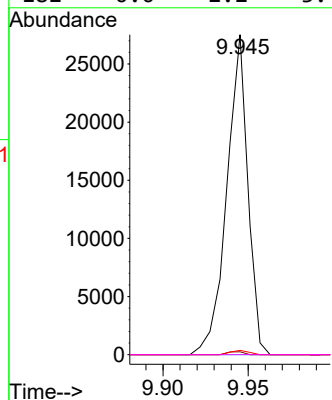


#57  
2,4-Dinitrotoluene  
Concen: 5.929 ng  
RT: 9.945 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

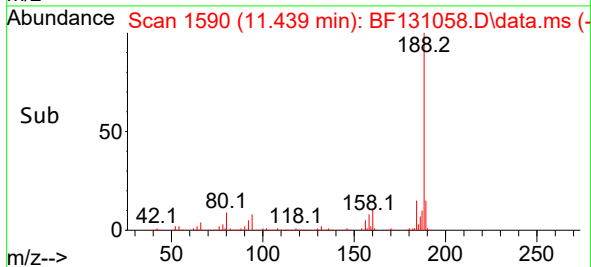
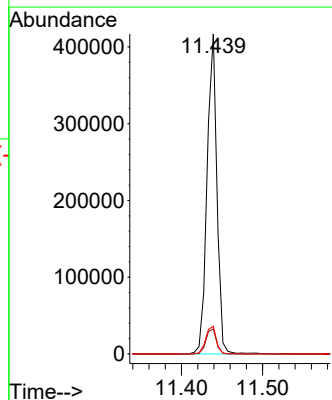
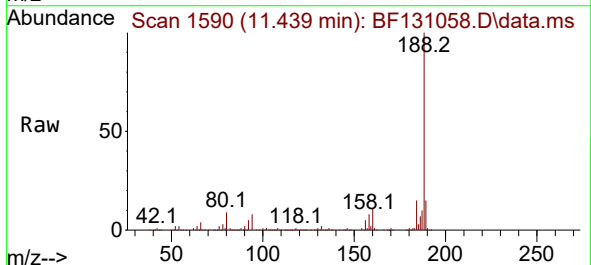


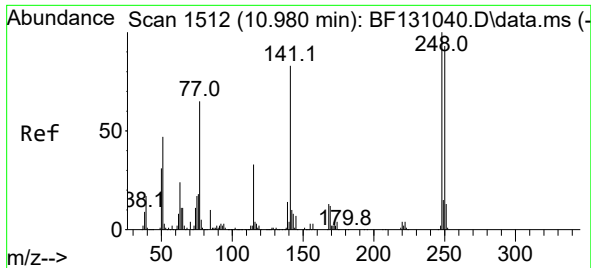
Tgt Ion:165 Resp: 23659  
Ion Ratio Lower Upper  
165 100  
63 0.9 43.4 65.0#  
89 1.4 64.0 96.0#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.439 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:188 Resp: 350187  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.0 10.6  
80 8.7 8.1 12.1

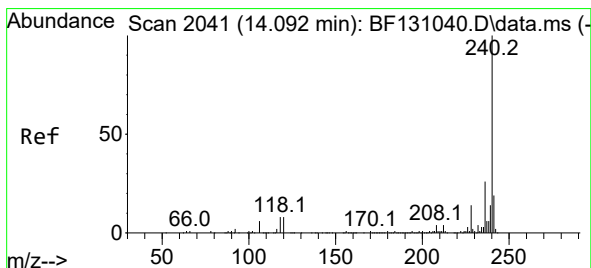
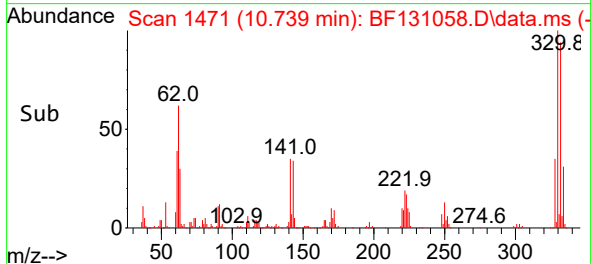
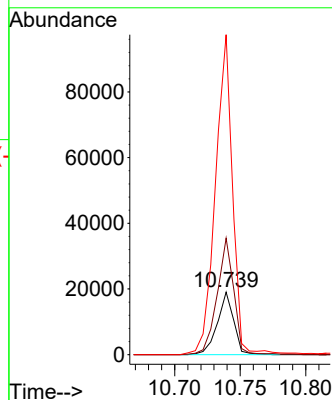
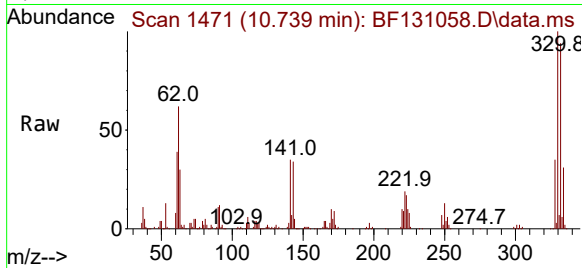




#67  
4-Bromophenyl-phenylether  
Concen: 3.758 ng  
RT: 10.739 min Scan# 14  
Delta R.T. -0.241 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

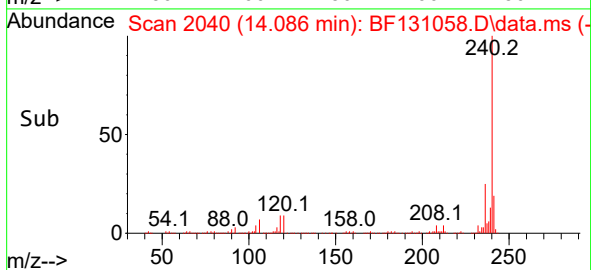
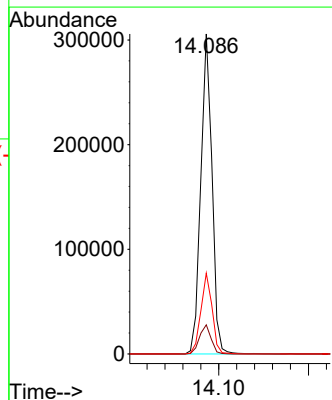
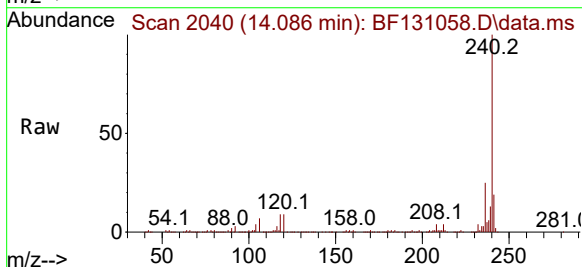
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

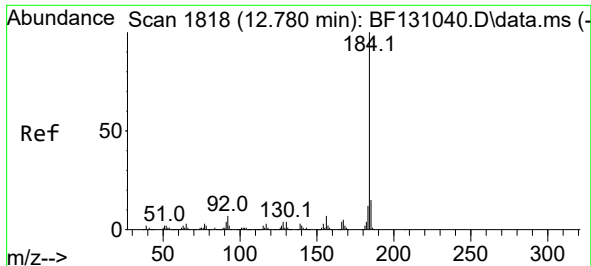
Tgt Ion:248 Resp: 16533  
Ion Ratio Lower Upper  
248 100  
250 186.0 74.6 112.0#  
141 510.8 66.2 99.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.086 min Scan# 2040  
Delta R.T. -0.006 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:240 Resp: 264886  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.7 10.1  
236 25.3 20.8 31.2

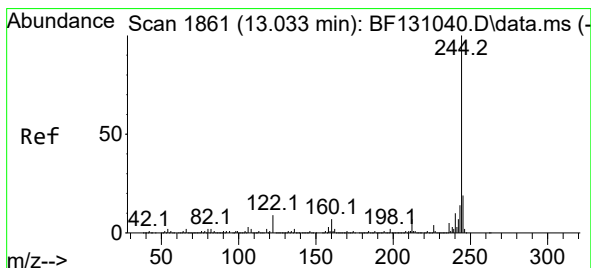
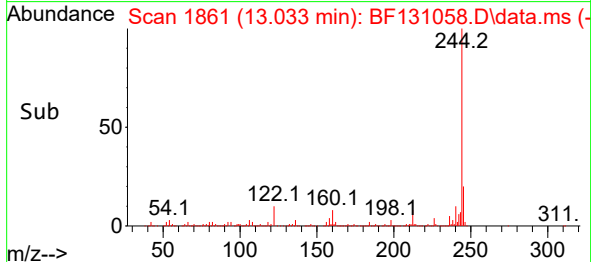
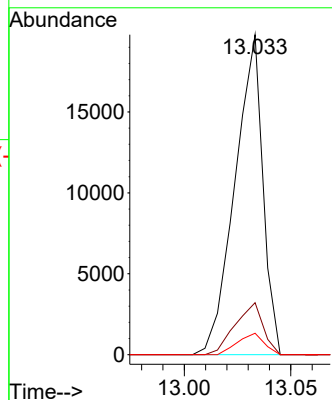
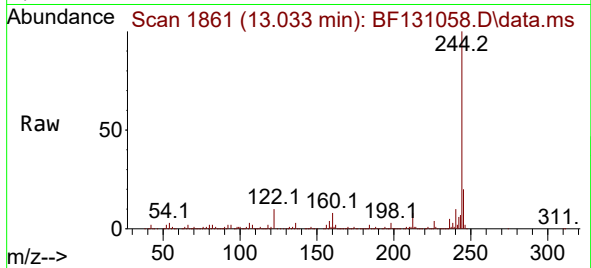




#77  
Benzidine  
Concen: 2.520 ng  
RT: 13.033 min Scan# 1861  
Delta R.T. 0.253 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

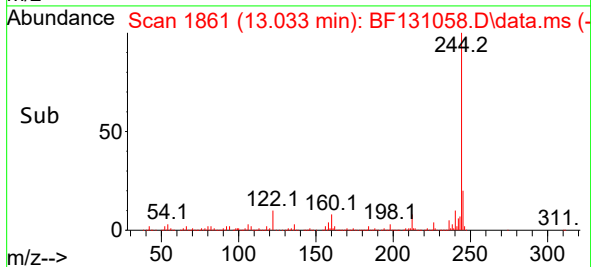
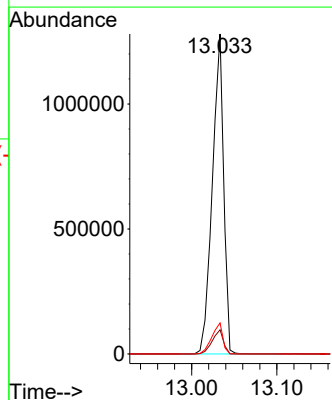
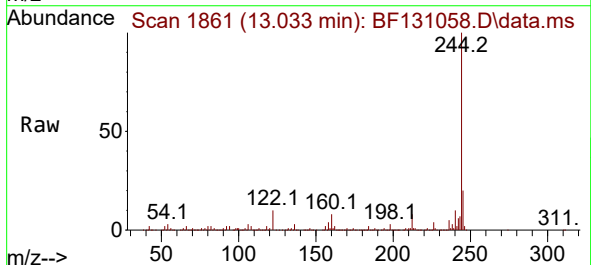
Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

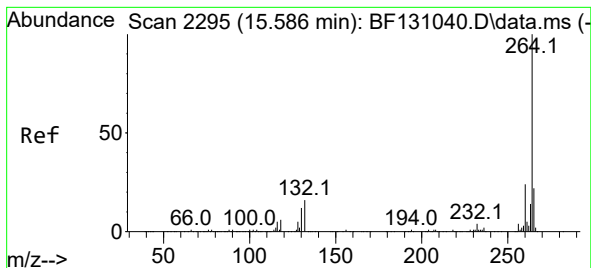
Tgt Ion:184 Resp: 18009  
Ion Ratio Lower Upper  
184 100  
185 16.3 11.7 17.5  
183 6.7 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 71.627 ng  
RT: 13.033 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:244 Resp: 1183407  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.8 8.6  
122 9.7 7.0 10.4



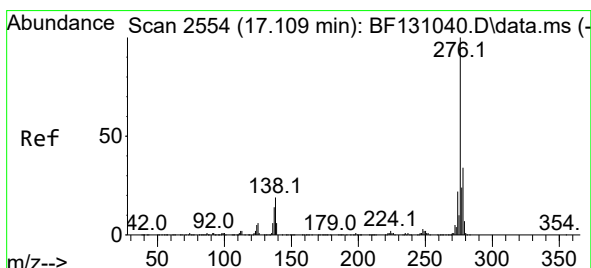
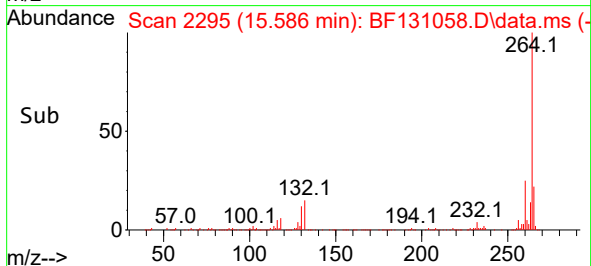
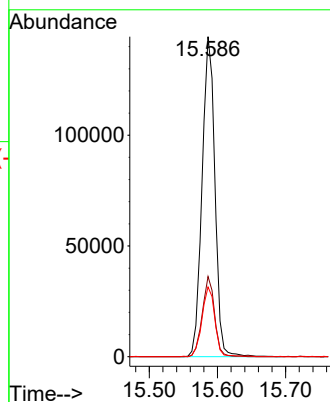
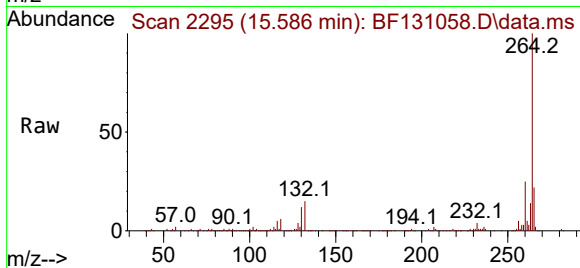


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.586 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

Tgt Ion:264 Resp: 188831  

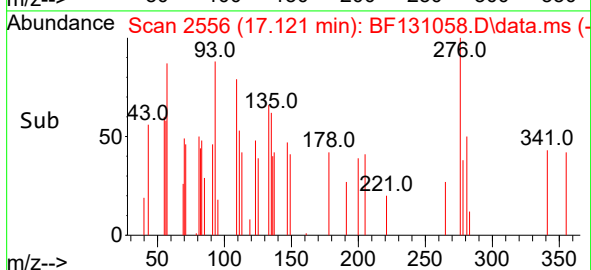
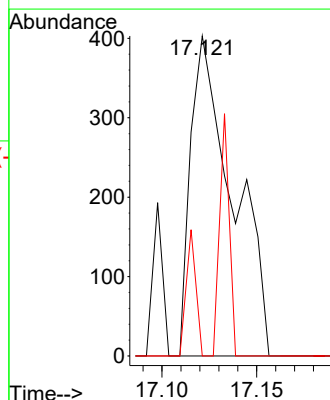
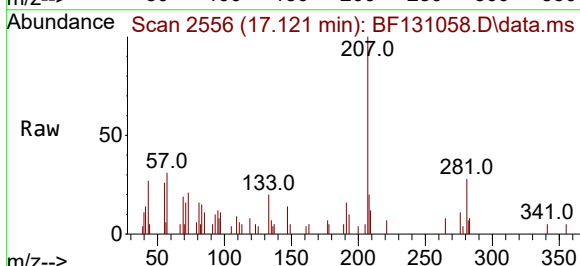
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 18.8  | 28.2  |
| 265 | 21.8  | 17.3  | 25.9  |

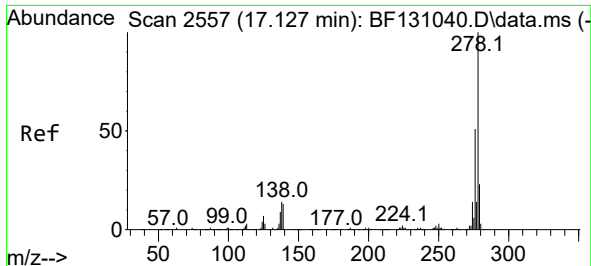


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.358 ng  
RT: 17.121 min Scan# 2556  
Delta R.T. 0.012 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:276 Resp: 624  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 0.0   | 17.3  | 25.9# |
| 277 | 9.0   | 20.2  | 30.4# |

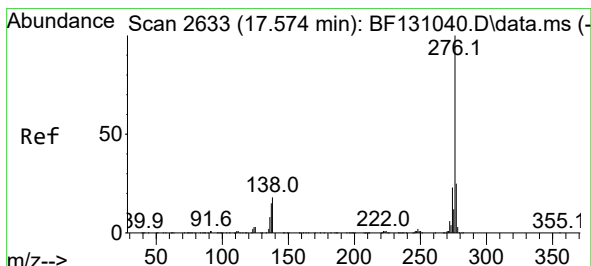
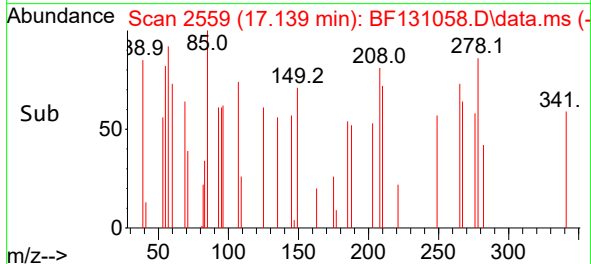
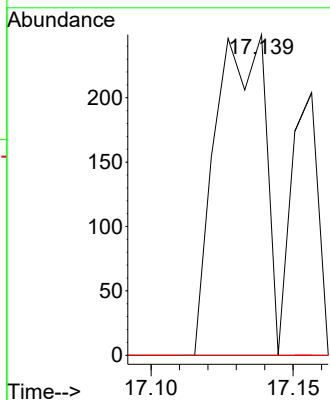
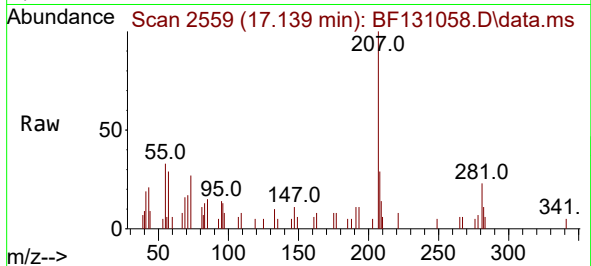




#91  
Dibenzo(a,h)anthracene  
Concen: 3.328 ng  
RT: 17.139 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB148852BL

Tgt Ion:278 Resp: 302  
Ion Ratio Lower Upper  
278 100  
139 0.0 10.8 16.2#  
279 0.0 18.7 28.1#



#92  
Benzo(g,h,i)perylene  
Concen: 3.425 ng  
RT: 17.574 min Scan# 2633  
Delta R.T. 0.000 min  
Lab File: BF131058.D  
Acq: 08 Nov 2022 10:16

Tgt Ion:276 Resp: 470  
Ion Ratio Lower Upper  
276 100  
277 0.0 20.0 30.0#  
138 0.0 14.8 22.2#

